ORIGINAL
(Red)

Versar INC.

1441352

SEMIVOLATILE ANALYSIS VOL. II
ANALYTICAL DATA PACKAGE

CLIENT : VERSAR DIV. 31
SITE : CDM
PROJECT: 420.1 B#4
CONTROL: 2565
DATE : 06/08/90

ORIGINAL
(Red)

Versar INC.

IV. STANDARDS DATA

ORIGINAL

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4

Instrument ID: T Calibration Date(s): 05/14/90 05/14/90

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = T2573 RRF50 = T2569
RRF80 = T2572 RRF120= T2571 RRF160= T2570

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	1.916	1.828	1.768	1.848	1.862	1.844	2.9*
bis(2-Chloroethyl)ether	1.735	1.703	1.597	1.564	1.570	1.634	4.9
2-Chlorophenol	1.335	1.289	1.277	1.217	1.267	1.277	3.3
3-Dichlorobenzene	1.503	1.453	1.436	1.409	1.429	1.446	2.5
,4-Dichlorobenzene *	1.589	1.536	1.504	1.475	1.459	1.513	3.4*
Benzyl alcohol	0.912	0.948	0.947	0.917	0.928	0.930	1.8
1,2-Dichlorobenzene	1.486	1.447	1.440	1.369	1.370	1.422	3.6
2-Methylphenol	1.383	1.396	1.348	1.292	1.301	1.344	3.5
bis(2-Chloroisopropyl)ether	4.113	4.046	3.921	3.712	3.576	3.874	5.8
4-Methylphenol	1.414	1.488	1.412	1.360	1.391	1.413	3.3
N-Nitroso-di-n-propylamine #	1.896	1.921	1.824	1.778	1.750	1.834	4.0#
Hexachloroethane	0.954	0.955	0.892	0.819	0.798	0.884	8.3
N robenzene	0.830	0.821	0.781	0.758	0.749	0.788	4.6
1 phorone	1.361	1.393	1.326	1.304	1.320	1.341	2.7
2-Nitrophenol *	0.243	0.256	0.251	0.248	0.253	0.250	2.0*
2,4-Dimethylphenol	0.572	0.579	0.568	0.548	0.561	0.566	2.1
Benzoic Acid	0.212	0.214	0.216	0.189	0.158	0.198	12.5
bis(2-Chloroethoxy)methane	0.749	0.787	0.737	0.729	0.747	0.750	3.0
2,4-Dichlorophenol *	0.397	0.380	0.390	0.380	0.380	0.385	2.0*
1,2,4-Trichlorobenzene	0.451	0.405	0.415	0.402	0.378	0.410	6.5
phthalene	1.378	1.351	1.299	1.265	1.214	1.301	5.1
-Chloroaniline	0.566	0.601	0.601	0.581	0.587	0.587	2.5
Hexachlorobutadiene *	0.312	0.266	0.281	0.260	0.235	0.271	10.5*
4-Chloro-3-methylphenol *	0.544	0.565	0.555	0.548	0.548	0.552	1.5*
2-Methylnaphthalene	0.862	0.839	0.829	0.783	0.759	0.814	5.2
Hexachlorocyclopentadiene #	0.434	0.440	0.449	0.444	0.435	0.440	1.4#
2,4,6-Trichlorophenol *	0.410	0.397	0.402	0.428	0.434	0.414	3.9*
2,4,5-Trichlorophenol	0.448	0.409	0.414	0.396	0.352	0.404	8.6
2-Chloronaphthalene	1.281	1.214	1.203	1.152	1.136	1.197	4.8
2-Nitroaniline	0.828	0.904	0.888	0.882	0.882	0.877	3.3
Dimethylphthalate	1.623	1.531	1.527	1.496	1.427	1.521	4.6
Acenaphthylene	2.139	2.027	1.989	1.906	1.887	1.990	5.1
2,6-Dinitrotoluene	0.379	0.387	0.386	0.379	0.360	0.378	2.9
3-Nitroaniline	0.436	0.455	0.455	0.444	0.428	0.444	2.7
Acenaphthene *	1.379	1.237	1.214	1.176	1.134	1.228	7.6*
2,4-Dinitrophenol #	0.168	0.229	0.242	0.250	0.257	0.229	15.6#
4-Nitrophenol #	0.281	0.294	0.349	0.342	0.302	0.314	9.6#

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4

Instrument ID: T Calibration Date(s): 05/14/90 05/14/90

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = T2573 RRF50 = T2569
RRF80 = T2572 RRF120= T2571 RRF160= T2570

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Dibenzofuran	1.974	1.770	1.724	1.676	1.621	1.753	7.7
2,4-Dinitrotoluene	0.531	0.530	0.531	0.511	0.486	0.518	3.8
Diethylphthalate	1.902	1.781	1.814	1.759	1.623	1.776	5.7
Chlorophenyl-phenylether	0.829	0.736	0.703	0.684	0.636	0.718	10.0
uorene	1.573	1.393	1.370	1.322	1.249	1.381	8.7
4-Nitroaniline	0.369	0.407	0.436	0.363	0.313	0.378	12.4
4,6-Dinitro-2-methylphenol	0.268	0.312	0.317	0.300	0.200	0.279	17.3
N-nitrosodiphenylamine (1) *	1.170	1.057	1.026	0.981	0.925	1.032	8.9*
4-Bromophenyl-phenylether	0.470	0.454	0.470	0.451	0.432	0.455	3.5
Hexachlorobenzene	0.598	0.537	0.553	0.525	0.493	0.541	7.1
Pentachlorophenol *	0.127	0.148	0.159	0.157	0.162	0.151	9.4*
Phenanthrene	1.203	1.114	1.059	1.047	0.993	1.083	7.3
hracene	1.219	1.092	1.006	0.912	0.812	1.008	15.6
n-butylphthalate	1.779	1.667	1.649	1.477	1.340	1.582	11.0
Fluoranthene *	1.214	1.109	1.076	0.963	0.876	1.048	12.5*
Pyrene	1.689	1.446	1.321	1.255	1.247	1.392	13.2
Butylbenzylphthalate	0.875	0.846	0.814	0.834	0.846	0.843	2.6
3,3'-Dichlorobenzidine	0.348	0.292	0.318	0.333	0.317	0.322	6.5
Benzo(a)anthracene	1.086	1.053	1.034	1.083	1.148	1.081	4.0
Chrysene	0.861	0.805	0.711	0.712	0.668	0.751	10.5
s(2-Ethylhexyl)phthalate	1.185	1.156	1.098	1.093	1.157	1.138	3.5
-n-octyl phthalate *	2.280	2.333	2.206	2.204	1.874	2.179	8.2*
Benzo(b)fluoranthene	1.251	1.200	1.209	1.201	1.163	1.205	2.6
Benzo(k)fluoranthene	1.165	1.108	0.936	0.954	0.906	1.014	11.4
Benzo(a)pyrene *	1.109	1.092	1.058	1.026	0.975	1.052	5.1*
Indeno(1,2,3-cd)pyrene	0.891	0.917	0.904	0.967	0.960	0.928	3.7
Dibenz(a,h)anthracene	0.814	0.822	0.819	0.899	0.896	0.850	5.1
Benzo(g,h,i)perylene	0.888	0.923	0.890	0.968	0.941	0.922	3.7
Nitrobenzene-d5	0.754	0.764	0.734	0.726	0.707	0.737	3.1
2-Fluorobiphenyl	1.381	1.281	1.257	1.231	1.189	1.268	5.7
Terphenyl-d14	1.083	0.943	0.900	0.880	0.872	0.936	9.3
Phenol-d5	1.700	1.620	1.609	1.592	1.622	1.629	2.6
2-Fluorophenol	1.191	1.052	1.106	1.158	1.138	1.129	4.7
2,4,6-Tribromophenol	0.301	0.271	0.310	0.286	0.271	0.288	6.1

(1) Cannot be separated from Diphenylamine

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4

Instrument ID: T Calibration Date(s): 05/16/90 05/16/90

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = T2628 RRF50 = T2624
RRF80 = T2627 RRF120= T2626 RRF160= T2625

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	2.356	2.069	2.179	2.095	2.000	2.140	6.4*
bis(2-Chloroethyl)ether	1.953	1.683	1.742	1.725	1.535	1.728	8.7
2-Chlorophenol	1.438	1.379	1.410	1.372	1.410	1.402	1.9
3-Dichlorobenzene	1.533	1.469	1.523	1.440	1.499	1.493	2.6
4-Dichlorobenzene *	1.620	1.567	1.599	1.513	1.473	1.554	3.9*
Benzyl alcohol	1.029	1.013	1.052	1.003	1.009	1.021	1.9
1,2-Dichlorobenzene	1.475	1.435	1.457	1.387	1.395	1.430	2.7
2-Methylphenol	1.554	1.472	1.474	1.412	1.375	1.457	4.7
bis(2-Chloroisopropyl)ether	3.821	3.707	3.741	3.471	3.231	3.594	6.7
4-Methylphenol	1.577	1.527	1.515	1.475	1.463	1.511	3.0
N-Nitroso-di-n-propylamine #	1.630	1.410	1.522	1.530	1.427	1.504	5.9#
Hexachloroethane	0.875	0.846	0.844	0.793	0.775	0.827	5.0
Nitrobenzene	0.797	0.702	0.736	0.731	0.663	0.726	6.8
Isophorone	1.354	1.244	1.335	1.268	1.203	1.281	4.9
2-Nitrophenol *	0.238	0.251	0.259	0.251	0.263	0.252	3.8*
2,4-Dimethylphenol	0.524	0.512	0.538	0.540	0.546	0.532	2.6
Benzoic Acid	0.197	0.187	0.245	0.173	0.032	0.167	48.0
bis(2-Chloroethoxy)methane	0.799	0.754	0.767	0.748	0.732	0.760	3.3
2,4-Dichlorophenol *	0.353	0.376	0.390	0.372	0.395	0.377	4.4*
1,2,4-Trichlorobenzene	0.372	0.387	0.395	0.383	0.384	0.384	2.2
Naphthalene	1.411	1.388	1.394	1.234	1.050	1.295	11.9
4-Chloroaniline	0.612	0.621	0.629	0.608	0.606	0.615	1.6
Hexachlorobutadiene *	0.293	0.283	0.276	0.258	0.243	0.271	7.4*
4-Chloro-3-methylphenol *	0.506	0.488	0.508	0.504	0.490	0.499	1.9*
2-Methylnaphthalene	0.796	0.833	0.852	0.806	0.740	0.805	5.3
Hexachlorocyclopentadiene #	0.481	0.513	0.505	0.487	0.497	0.497	2.6#
2,4,6-Trichlorophenol *	0.384	0.392	0.418	0.414	0.483	0.418	9.3*
2,4,5-Trichlorophenol	0.433	0.424	0.436	0.387	0.316	0.399	12.6
2-Chloronaphthalene	1.248	1.238	1.276	1.202	1.165	1.226	3.5
2-Nitroaniline	0.944	0.856	0.888	0.862	0.781	0.866	6.8
Dimethylphthalate	1.540	1.504	1.571	1.450	1.294	1.472	7.4
Acenaphthylene	2.040	2.019	2.085	1.882	1.795	1.964	6.2
2,6-Dinitrotoluene	0.366	0.346	0.373	0.346	0.314	0.349	6.6
3-Nitroaniline	0.485	0.455	0.491	0.451	0.422	0.461	6.1
Acenaphthene *	1.307	1.270	1.307	1.213	1.162	1.252	5.1*
2,4-Dinitrophenol #	0.183	0.226	0.251	0.245	0.147	0.210	21.1#
4-Nitrophenol #	0.391	0.430	0.445	0.390	0.247	0.381	20.6#

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4

Instrument ID: T Calibration Date(s): 05/16/90 05/16/90

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = T2628 RRF50 = T2624
RRF80 = T2627 RRF120= T2626 RRF160= T2625

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Dibenzofuran	1.977	1.911	1.933	1.742	1.537	1.820	10.0
2,4-Dinitrotoluene	0.566	0.515	0.522	0.491	0.432	0.505	9.7
Diethylphthalate	1.846	1.842	1.994	1.757	1.431	1.774	11.8
Chlorophenyl-phenylether	0.896	0.841	0.817	0.743	0.659	0.791	11.6
uorene	1.481	1.561	1.645	1.447	1.251	1.477	10.0
4-Nitroaniline	0.522	0.471	0.475	0.379	0.200	0.409	31.3
4,6-Dinitro-2-methylphenol	0.304	0.363	0.356	0.259	0.178	0.292	26.2
N-nitrosodiphenylamine (1) *	1.220	1.164	1.156	1.062	0.950	1.110	9.6*
4-Bromophenyl-phenylether	0.673	0.673	0.640	0.565	0.519	0.614	11.2
Hexachlorobenzene	0.925	0.899	0.823	0.690	0.632	0.794	16.2
Pentachlorophenol *	0.178	0.216	0.208	0.187	0.191	0.196	8.0*
Phenanthrene	1.168	1.074	1.107	1.052	0.954	1.071	7.3
hracene	1.173	1.101	1.073	0.904	0.731	0.996	17.9
n-butylphthalate	1.673	1.439	1.350	1.299	1.132	1.379	14.4
Fluoranthene *	1.459	1.403	1.302	1.037	0.838	1.208	21.8*
Pyrene	1.218	1.230	1.099	1.092	1.039	1.136	7.4
Butylbenzylphthalate	0.572	0.598	0.601	0.632	0.613	0.603	3.6
3,3'-Dichlorobenzidine	0.400	0.326	0.326	0.304	0.305	0.332	11.9
Benzo(a)anthracene	1.098	1.020	0.979	0.994	0.986	1.015	4.8
Chrysene	0.935	0.807	0.763	0.716	0.637	0.772	14.4
s(2-Ethylhexyl)phthalate	0.843	0.838	0.821	0.860	0.899	0.852	3.5
-n-octyl phthalate *	1.420	1.437	1.241	1.102	0.962	1.232	16.6*
Benzo(b)fluoranthene	1.157	1.156	1.077	0.991	0.843	1.045	12.6
Benzo(k)fluoranthene	1.115	1.086	0.935	0.710	0.596	0.888	25.8
Benzo(a)pyrene *	1.065	1.101	1.017	0.858	0.802	0.969	13.6*
Indeno(1,2,3-cd)pyrene	0.838	0.876	0.941	0.894	0.448	0.799	25.0
Dibenz(a,h)anthracene	0.836	0.831	0.869	0.789	0.745	0.814	5.9
Benzo(g,h,i)perylene	0.843	0.894	0.894	0.831	0.753	0.843	6.9
Nitrobenzene-d5	0.730	0.660	0.707	0.694	0.661	0.690	4.4
2-Fluorobiphenyl	1.316	1.330	1.350	1.254	1.186	1.287	5.2
Terphenyl-d14	0.914	0.946	0.845	0.824	0.815	0.869	6.7
Phenol-d5	2.028	1.807	1.839	1.818	1.786	1.856	5.3
2-Fluorophenol	1.438	1.255	1.312	1.354	1.321	1.336	5.0
2,4,6-Tribromophenol	0.415	0.441	0.432	0.384	0.340	0.402	10.2

(1) Cannot be separated from Diphenylamine

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

I Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4_CDM

Instrument ID: T Calibration Date(s): 05/18/90 05/18/90

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = T2661 RRF50 = T2657
RRF80 = T2660 RRF120= T2659 RRF160= T2658

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	2.106	1.897	1.787	1.630	1.499	1.784	13.2*
bis(2-Chloroethyl)ether	1.867	1.769	1.725	1.585	1.398	1.669	10.9
2-Chlorophenol	1.405	1.405	1.347	1.268	1.250	1.335	5.5
[illegible]-Dichlorobenzene	1.579	1.524	1.460	1.325	1.297	1.437	8.6
[illegible]-Dichlorobenzene *	1.637	1.560	1.474	1.333	1.230	1.447	11.4*
Benzyl alcohol	0.943	0.959	0.954	0.885	0.850	0.918	5.3
1,2-Dichlorobenzene	1.532	1.471	1.404	1.273	1.115	1.359	12.3
2-Methylphenol	1.391	1.346	1.304	1.204	1.183	1.286	7.0
bis(2-Chloroisopropyl)ether	3.434	3.478	3.352	3.188	3.097	3.310	4.9
4-Methylphenol	1.414	1.386	1.335	1.255	1.275	1.333	5.1
N-Nitroso-di-n-propylamine #	1.575	1.482	1.403	1.327	1.364	1.430	6.9#
Hexachloroethane	0.799	0.758	0.685	0.619	0.546	0.681	15.0
[illegible]robenzene	0.698	0.679	0.680	0.618	0.610	0.657	6.1
[illegible]ophorone	1.259	1.219	1.217	1.168	1.223	1.217	2.7
2-Nitrophenol *	0.256	0.255	0.264	0.246	0.277	0.260	4.5*
2,4-Dimethylphenol	0.523	0.492	0.491	0.466	0.501	0.495	4.1
Benzoic Acid	0.189	0.210	0.211	0.174	0.034	0.164	45.2
bis(2-Chloroethoxy)methane	0.795	0.773	0.760	0.695	0.744	0.753	5.0
2,4-Dichlorophenol *	0.380	0.392	0.375	0.348	0.382	0.375	4.4*
1,2,4-Trichlorobenzene	0.417	0.403	0.380	0.343	0.349	0.378	8.6
[illegible]phthalene	1.469	1.318	1.264	1.083	0.977	1.222	15.9
[illegible]-Chloroaniline	0.610	0.597	0.593	0.543	0.566	0.582	4.6
Hexachlorobutadiene *	0.265	0.250	0.235	0.213	0.200	0.233	11.4*
4-Chloro-3-methylphenol *	0.488	0.485	0.482	0.439	0.475	0.474	4.2*
2-Methylnaphthalene	0.845	0.815	0.770	0.687	0.674	0.758	10.0
Hexachlorocyclopentadiene #	0.419	0.441	0.422	0.408	0.422	0.422	2.8#
2,4,6-Trichlorophenol *	0.413	0.429	0.412	0.405	0.481	0.428	7.2*
2,4,5-Trichlorophenol	0.448	0.467	0.428	0.390	0.296	0.406	16.7
2-Chloronaphthalene	1.365	1.334	1.251	1.142	1.185	1.255	7.6
2-Nitroaniline	0.759	0.777	0.772	0.737	0.760	0.761	2.0
Dimethylphthalate	1.645	1.634	1.564	1.457	1.320	1.524	9.0
Acenaphthylene	2.231	2.103	2.003	1.810	1.715	1.972	10.7
2,6-Dinitrotoluene	0.373	0.404	0.402	0.379	0.375	0.387	3.9
3-Nitroaniline	0.419	0.478	0.449	0.428	0.374	0.430	9.0
Acenaphthene *	1.409	1.309	1.213	1.100	1.047	1.216	12.2*
2,4-Dinitrophenol #	0.135	0.226	0.221	0.219	0.237	0.208	19.8#
4-Nitrophenol #	0.214	0.248	0.240	0.235	0.133	0.214	22.0#

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

I Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4_CDM

Instrument ID: T Calibration Date(s): 05/18/90 05/18/90

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = T2661 RRF50 = T2657
RRF80 = T2660 RRF120= T2659 RRF160= T2658

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Dibenzofuran	2.025	1.876	1.763	1.603	1.559	1.765	10.9
2,4-Dinitrotoluene	0.523	0.554	0.541	0.511	0.474	0.521	5.9
Diethylphthalate	1.952	1.858	1.692	1.514	1.211	1.645	17.9
/ Chlorophenyl-phenylether	0.798	0.783	0.714	0.636	0.447	0.676	21.2
Fluorene	1.552	1.401	1.280	1.146	0.963	1.268	17.9
4-Nitroaniline	0.341	0.402	0.363	0.250	0.201	0.311	26.8
4,6-Dinitro-2-methylphenol	0.223	0.322	0.287	0.236	0.168	0.247	24.1
N-nitrosodiphenylamine (1) *	1.142	1.108	1.026	0.916	0.554	0.949	25.0*
4-Bromophenyl-phenylether	0.484	0.528	0.476	0.444	0.421	0.471	8.7
Hexachlorobenzene	0.658	0.680	0.600	0.554	0.523	0.603	11.0
Pentachlorophenol *	0.112	0.164	0.151	0.151	0.132	0.142	14.3*
Phenanthrene	1.180	1.109	1.069	1.003	1.099	1.092	5.9
Anthracene	1.200	1.109	1.006	0.887	0.691	0.979	20.3
Di-n-butylphthalate	1.589	1.637	1.463	1.289	1.180	1.432	13.6
Fluoranthene *	1.046	1.043	0.976	0.930	0.875	0.974	7.6*
Pyrene	1.366	1.312	1.242	1.194	1.179	1.259	6.3
Butylbenzylphthalate	0.787	0.743	0.749	0.741	0.987	0.801	13.2
3,3'-Dichlorobenzidine	0.342	0.328	0.329	0.327	0.286	0.322	6.6
Benzo(a)anthracene	1.043	0.980	0.979	1.014	1.329	1.069	13.8
Chrysene	0.848	0.743	0.741	0.714	0.752	0.760	6.8
bis(2-Ethylhexyl)phthalate	1.107	1.053	1.027	1.038	1.279	1.101	9.5
Di-n-octyl phthalate *	2.210	2.101	2.160	1.891	1.342	1.941	18.4*
Benzo(b)fluoranthene	1.235	1.273	1.218	1.132	1.071	1.186	6.9
Benzo(k)fluoranthene	1.095	0.972	1.011	0.916	0.786	0.956	12.0
Benzo(a)pyrene *	1.082	1.066	1.020	0.960	0.972	1.020	5.3*
Indeno(1,2,3-cd)pyrene	0.888	0.916	0.963	0.938	1.182	0.977	12.0
Dibenz(a,h)anthracene	0.831	0.850	0.894	0.888	1.064	0.905	10.2
Benzo(g,h,i)perylene	0.942	0.918	0.973	0.955	1.032	0.964	4.5
Nitrobenzene-d5	0.644	0.643	0.638	0.604	0.608	0.627	3.1
2-Fluorobiphenyl	1.476	1.374	1.294	1.187	1.188	1.304	9.5
Terphenyl-d14	0.918	0.897	0.885	0.828	0.864	0.878	3.9
Phenol-d5	1.803	1.707	1.672	1.535	1.434	1.630	8.9
2-Fluorophenol	1.301	1.282	1.276	1.195	1.237	1.258	3.4
2,4,6-Tribromophenol	0.333	0.385	0.350	0.331	0.322	0.344	7.3

/ Cannot be separated from Diphenylamine

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 04

Instrument ID: Z Calibration Date(s): 05/15/90 05/15/90

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = Z4718 RRF50 = Z4713
RRF80 = Z4717 RRF120= Z4716 RRF160= Z4715

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	1.745	1.680	1.730	1.856	1.709	1.744	3.9*
bis(2-Chloroethyl)ether	1.591	1.564	1.565	1.593	1.540	1.571	1.4
2-Chlorophenol	1.443	1.393	1.389	1.479	1.372	1.415	3.1
3-Dichlorobenzene	1.593	1.532	1.485	1.521	1.421	1.510	4.2
,4-Dichlorobenzene *	1.666	1.570	1.511	1.552	1.437	1.547	5.4*
Benzyl alcohol	0.791	0.783	0.830	0.858	0.843	0.821	4.0
1,2-Dichlorobenzene	1.543	1.458	1.424	1.470	1.370	1.453	4.4
2-Methylphenol	1.183	1.127	1.171	1.236	1.188	1.181	3.3
bis(2-Chloroisopropyl)ether	2.219	2.154	2.220	2.305	2.299	2.239	2.8
4-Methylphenol	1.169	1.121	1.194	1.262	1.235	1.196	4.6
N-Nitroso-di-n-propylamine #	1.274	1.197	1.278	1.339	1.348	1.287	4.7#
Hexachloroethane	0.769	0.743	0.755	0.774	0.741	0.756	2.0
itrobenzene	0.631	0.591	0.605	0.631	0.579	0.607	3.9
ophorone	1.047	1.015	1.009	1.066	1.007	1.029	2.6
2-Nitrophenol *	0.280	0.332	0.254	0.260	0.240	0.273	13.1*
2,4-Dimethylphenol	0.488	0.457	0.467	0.488	0.458	0.472	3.3
Benzoic Acid	0.204	0.221	0.250	0.262	0.218	0.231	10.4
bis(2-Chloroethoxy)methane	0.671	0.665	0.647	0.657	0.647	0.657	1.6
2,4-Dichlorophenol *	0.378	0.376	0.361	0.375	0.353	0.369	3.0*
1,2,4-Trichlorobenzene	0.417	0.403	0.370	0.372	0.344	0.381	7.6
phthalene	1.406	1.353	1.268	1.256	1.056	1.268	10.5
-Chloroaniline	0.406	0.323	0.406	0.461	0.489	0.417	15.3
Hexachlorobutadiene *	0.249	0.239	0.212	0.208	0.186	0.219	11.6*
4-Chloro-3-methylphenol *	0.449	0.434	0.445	0.454	0.432	0.443	2.2*
2-Methylnaphthalene	0.776	0.750	0.721	0.703	0.666	0.723	5.9
Hexachlorocyclopentadiene #	0.331	0.344	0.364	0.395	0.354	0.358	6.8#
2,4,6-Trichlorophenol *	0.407	0.392	0.393	0.413	0.392	0.399	2.5*
2,4,5-Trichlorophenol	0.437	0.417	0.418	0.424	0.384	0.416	4.7
2-Chloronaphthalene	1.363	1.283	1.262	1.330	1.189	1.285	5.2
2-Nitroaniline	0.544	0.495	0.567	0.558	0.525	0.538	5.3
Dimethylphthalate	1.643	1.525	1.494	1.441	1.370	1.495	6.8
Acenaphthylene	2.164	2.053	2.035	2.104	1.769	2.025	7.5
2,6-Dinitrotoluene	0.350	0.348	0.350	0.358	0.338	0.349	2.0
3-Nitroaniline	0.318	0.101	0.125	0.150	0.159	0.171	50.0
Acenaphthene *	1.427	1.304	1.275	1.310	1.158	1.295	7.4*
2,4-Dinitrophenol #	0.129	0.167	0.176	0.201	0.194	0.173	16.4#
4-Nitrophenol #	0.235	0.213	0.252	0.262	0.234	0.239	7.9#

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 04

Instrument ID: Z Calibration Date(s): 05/15/90 05/15/90

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = Z4718 RRF50 = Z4713
RRF80 = Z4717 RRF120= Z4716 RRF160= Z4715

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Dibenzofuran	1.959	1.826	1.737	1.670	1.542	1.747	9.0
2,4-Dinitrotoluene	0.441	0.414	0.425	0.438	0.414	0.426	3.0
Diethylphthalate	1.840	1.635	1.617	1.561	1.466	1.624	8.5
Chlorophenyl-phenylether	0.721	0.680	0.604	0.574	0.528	0.621	12.6
Fluorene	1.442	1.297	1.206	1.211	1.074	1.246	10.9
4-Nitroaniline	0.138	0.196	0.173	0.204	0.150	0.172	16.6
4,6-Dinitro-2-methylphenol	0.108	0.136	0.140	0.156	0.149	0.138	13.3
N-nitrosodiphenylamine (1) *	0.556	0.480	0.508	0.510	0.461	0.503	7.2*
4-Bromophenyl-phenylether	0.211	0.218	0.213	0.209	0.196	0.209	3.9
Hexachlorobenzene	0.239	0.241	0.224	0.222	0.207	0.227	6.1
Pentachlorophenol *	0.101	0.129	0.126	0.136	0.134	0.125	11.3*
Phenanthrene	1.175	1.106	1.056	1.092	0.968	1.079	7.0
Anthracene	1.169	1.127	1.097	1.115	0.997	1.101	5.8
Di-n-butylphthalate	1.430	1.354	1.428	1.449	1.328	1.398	3.8
Fluoranthene *	0.960	0.972	0.919	1.003	0.928	0.956	3.6*
Pyrene	1.794	1.611	1.467	1.426	1.218	1.503	14.3
Butylbenzylphthalate	0.881	0.818	0.854	0.836	0.773	0.832	4.9
3,3'-Dichlorobenzidine	0.258	0.165	0.152	0.172	0.144	0.178	25.8
Benzo(a)anthracene	1.083	1.006	0.991	1.037	0.918	1.007	6.1
Chrysene	0.928	0.819	0.791	0.799	0.715	0.810	9.5
bis(2-Ethylhexyl)phthalate	1.270	1.179	1.221	1.184	1.066	1.184	6.4
Di-n-octyl phthalate *	2.440	2.423	2.456	2.365	1.959	2.329	9.0*
Benzo(b)fluoranthene	1.217	1.195	1.102	1.157	1.017	1.138	7.1
Benzo(k)fluoranthene	1.218	1.077	1.052	1.034	0.921	1.060	10.0
Benzo(a)pyrene *	1.086	1.068	1.029	1.075	0.972	1.046	4.5*
Indeno(1,2,3-cd)pyrene	0.968	0.877	0.896	0.975	0.890	0.921	5.0
Dibenz(a,h)anthracene	0.754	0.684	0.767	0.810	0.709	0.745	6.6
Benzo(g,h,i)perylene	0.806	0.756	0.787	0.874	0.764	0.797	5.9
Nitrobenzene-d5	0.572	0.547	0.565	0.603	0.554	0.568	3.8
2-Fluorobiphenyl	1.487	1.361	1.324	1.371	1.214	1.351	7.3
Terphenyl-d14	1.018	0.905	0.863	0.843	0.732	0.872	11.9
Phenol-d5	1.623	1.652	1.671	1.858	1.665	1.694	5.5
2-Fluorophenol	0.487	1.272	0.392	0.854	0.584	0.718	49.4
2,4,6-Tribromophenol	0.187	0.178	0.171	0.175	0.165	0.175	4.7

(1) Cannot be separated from Diphenylamine

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4

Instrument ID: T Calibration date: 05/15/90 Time: 2257

Lab File ID: T2598 Init. Calib. Date(s): 05/14/90 05/14/90

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		$\overline{RRF}$	RRF50	%D	
Phenol	*	1.844	2.028	-10.0	*
bis(2-Chloroethyl)ether		1.634	1.706	-4.4	
2-Chlorophenol		1.277	1.316	-3.1	
1,3-Dichlorobenzene		1.446	1.451	-0.3	
1,4-Dichlorobenzene	*	1.513	1.547	-2.2	*
Benzyl alcohol		0.930	1.006	-8.2	
1,2-Dichlorobenzene		1.422	1.456	-2.4	
2-Methylphenol		1.344	1.416	-5.4	
bis(2-Chloroisopropyl)ether		3.874	4.360	-12.6	
4-Methylphenol		1.413	1.479	-4.7	
N-Nitroso-di-n-propylamine	#	1.834	1.997	-8.9	#
Hexachloroethane		0.884	0.978	-10.6	
Nitrobenzene		0.788	0.864	-9.6	
Isophorone		1.341	1.434	-6.9	
2-Nitrophenol	*	0.250	0.252	-0.8	*
2,4-Dimethylphenol		0.566	0.574	-1.4	
Benzoic Acid		0.198	0.190	4.0	
bis(2-Chloroethoxy)methane		0.750	0.763	-1.7	
2,4-Dichlorophenol	*	0.385	0.401	-4.2	*
1,2,4-Trichlorobenzene		0.410	0.436	-6.3	
Naphthalene		1.301	1.360	-4.5	
4-Chloroaniline		0.587	0.604	-2.9	
Hexachlorobutadiene	*	0.271	0.322	-18.8	*
4-Chloro-3-methylphenol	*	0.552	0.571	-3.4	*
2-Methylnaphthalene		0.814	0.850	-4.4	
Hexachlorocyclopentadiene	#	0.440	0.483	-9.8	#
2,4,6-Trichlorophenol	*	0.414	0.406	1.9	*
2,4,5-Trichlorophenol		0.404	0.443	-9.7	
2-Chloronaphthalene		1.197	1.213	-1.3	
2-Nitroaniline		0.877	0.902	-2.9	
Dimethylphthalate		1.521	1.564	-2.8	
Acenaphthylene		1.990	1.999	-0.5	
2,6-Dinitrotoluene		0.378	0.373	1.3	
3-Nitroaniline		0.444	0.433	2.5	
Acenaphthene	*	1.228	1.228	0.0	*
2,4-Dinitrophenol	#	0.229	0.250	-9.2	#
4-Nitrophenol	#	0.314	0.400	-27.4	#

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4

Instrument ID: T Calibration date: 05/15/90 Time: 2257

Lab File ID: T2598 Init. Calib. Date(s): 05/14/90 05/14/90

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		$\overline{RRF}$	RRF50	%D	
Dibenzofuran		1.753	1.844	-5.2	
2,4-Dinitrotoluene		0.518	0.530	-2.3	
Diethylphthalate		1.776	1.882	-6.0	
4-Chlorophenyl-phenylether		0.718	0.799	-11.3	
Fluorene		1.381	1.464	-6.0	
4-Nitroaniline		0.378	0.436	-15.3	
4,6-Dinitro-2-methylphenol		0.279	0.342	-22.6	
N-nitrosodiphenylamine (1)	*	1.032	1.141	-10.6	*
4-Bromophenyl-phenylether		0.455	0.543	-19.3	
Hexachlorobenzene		0.541	0.665	-22.9	
Pentachlorophenol	*	0.151	0.172	-13.9	*
Phenanthrene		1.083	1.089	-0.6	
Anthracene		1.008	1.094	-8.5	
Di-n-butylphthalate		1.582	1.691	-6.9	
Fluoranthene	*	1.048	1.278	-22.0	*
Pyrene		1.392	1.332	4.3	
Butylbenzylphthalate		0.843	0.846	-0.4	
3,3'-Dichlorobenzidine		0.322	0.321	0.3	
Benzo(a)anthracene		1.081	1.039	3.9	
Chrysene		0.751	0.799	-6.4	
bis(2-Ethylhexyl)phthalate		1.138	1.172	-3.0	
Di-n-octyl phthalate	*	2.179	2.177	0.1	*
Benzo(b)fluoranthene		1.205	1.231	-2.2	
Benzo(k)fluoranthene		1.014	0.998	1.6	
Benzo(a)pyrene	*	1.052	1.079	-2.6	*
Indeno(1,2,3-cd)pyrene		0.928	0.917	1.2	
Dibenz(a,h)anthracene		0.850	0.815	4.1	
Benzo(g,h,i)perylene		0.922	0.915	0.8	
Nitrobenzene-d5		0.737	0.811	-10.0	
2-Fluorobiphenyl		1.268	1.294	-2.0	
Terphenyl-d14		0.936	0.919	1.8	
Phenol-d5		1.629	1.810	-11.1	
2-Fluorophenol		1.129	1.219	-8.0	
2,4,6-Tribromophenol		0.288	0.349	-21.2	

(1) Cannot be separated from Diphenylamine

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

I Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4_CDM

Instrument ID: T Calibration date: 05/23/90 Time: 1204

Lab File ID: T2726 Init. Calib. Date(s): 05/18/90 05/18/90

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		$\overline{RRF}$	RRF50	%D	
Phenol	*	1.784	1.842	-3.3	*
bis(2-Chloroethyl)ether		1.669	1.674	-0.3	
2-Chlorophenol		1.335	1.267	5.1	
1,3-Dichlorobenzene		1.437	1.382	3.8	
1,4-Dichlorobenzene	*	1.447	1.420	1.9	*
Benzyl alcohol		0.918	0.855	6.9	
1,2-Dichlorobenzene		1.359	1.357	0.1	
2-Methylphenol		1.286	1.249	2.9	
bis(2-Chloroisopropyl)ether		3.310	3.122	5.7	
4-Methylphenol		1.333	1.281	3.9	
N-Nitroso-di-n-propylamine	#	1.430	1.326	7.3	#
Hexachloroethane		0.681	0.704	-3.4	
Nitrobenzene		0.657	0.617	6.1	
Isophorone		1.217	1.166	4.2	
2-Nitrophenol	*	0.260	0.242	6.9	*
2,4-Dimethylphenol		0.495	0.466	5.9	
Benzoic Acid		0.164	0.181	-10.4	
bis(2-Chloroethoxy)methane		0.753	0.715	5.0	
2,4-Dichlorophenol	*	0.375	0.368	1.9	*
1,2,4-Trichlorobenzene		0.378	0.380	-0.5	
Naphthalene		1.222	1.313	-7.4	
4-Chloroaniline		0.582	0.554	4.8	
Hexachlorobutadiene	*	0.233	0.221	5.2	*
4-Chloro-3-methylphenol	*	0.474	0.444	6.3	*
2-Methylnaphthalene		0.758	0.738	2.6	
Hexachlorocyclopentadiene	#	0.422	0.379	10.2	#
2,4,6-Trichlorophenol	*	0.428	0.399	6.8	*
2,4,5-Trichlorophenol		0.406	0.397	2.2	
2-Chloronaphthalene		1.255	1.156	7.9	
2-Nitroaniline		0.761	0.597	21.6	
Dimethylphthalate		1.524	1.376	9.7	
Acenaphthylene		1.972	1.990	-0.9	
2,6-Dinitrotoluene		0.387	0.355	8.3	
3-Nitroaniline		0.430	0.420	2.3	
Acenaphthene	*	1.216	1.220	-0.3	*
2,4-Dinitrophenol	#	0.208	0.203	2.4	#
4-Nitrophenol	#	0.214	0.210	1.9	#

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

I Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4_CDM

Instrument ID: T Calibration date: 05/23/90 Time: 1204

Lab File ID: T2726 Init. Calib. Date(s): 05/18/90 05/18/90

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	$\overline{RRF}$	RRF50	%D
Dibenzofuran	1.765	1.693	4.1
2,4-Dinitrotoluene	0.521	0.487	6.5
Diethylphthalate	1.645	1.565	4.9
4-Chlorophenyl-phenylether	0.676	0.693	-2.5
Fluorene	1.268	1.376	-8.5
4-Nitroaniline	0.311	0.407	-30.9
4,6-Dinitro-2-methylphenol	0.247	0.298	-20.6
N-nitrosodiphenylamine (1) *	0.949	0.984	-3.7 *
4-Bromophenyl-phenylether	0.471	0.416	11.7
Hexachlorobenzene	0.603	0.524	13.1
Pentachlorophenol *	0.142	0.139	2.1 *
Phenanthrene	1.092	1.088	0.4
Anthracene	0.979	1.071	-9.4
Di-n-butylphthalate	1.432	1.376	3.9
Fluoranthene *	0.974	1.115	-14.5 *
Pyrene	1.259	1.355	-7.6
Butylbenzylphthalate	0.801	0.686	14.4
3,3'-Dichlorobenzidine	0.322	0.362	-12.4
Benzo(a)anthracene	1.069	1.021	4.5
Chrysene	0.760	0.732	3.7
bis(2-Ethylhexyl)phthalate	1.101	0.979	11.1
Di-n-octyl phthalate *	1.941	1.795	7.5 *
Benzo(b)fluoranthene	1.186	1.251	-5.5
Benzo(k)fluoranthene	0.956	0.900	5.9
Benzo(a)pyrene *	1.020	1.060	-3.9 *
Indeno(1,2,3-cd)pyrene	0.977	0.907	7.2
Dibenz(a,h)anthracene	0.905	0.845	6.6
Benzo(g,h,i)perylene	0.964	0.913	5.3
Nitrobenzene-d5	0.627	0.606	3.3
2-Fluorobiphenyl	1.304	1.326	-1.7
Terphenyl-d14	0.878	0.897	-2.2
Phenol-d5	1.630	1.766	-8.3
2-Fluorophenol	1.258	1.317	-4.7
2,4,6-Tribromophenol	0.344	0.280	18.6

(1) Cannot be separated from Diphenylamine

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

I Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4_CDM

Instrument ID: T Calibration date: 05/25/90 Time: 848

Lab File ID: T2767 Init. Calib. Date(s): 05/18/90 05/18/90

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		$\overline{RRF}$	RRF50	%D	
Phenol	*	1.784	2.112	-18.4	*
bis(2-Chloroethyl)ether		1.669	1.923	-15.2	
2-Chlorophenol		1.335	1.534	-14.9	
1,3-Dichlorobenzene		1.437	1.640	-14.1	
1,4-Dichlorobenzene	*	1.447	1.697	-17.3	*
Benzyl alcohol		0.918	0.988	-7.6	
1,2-Dichlorobenzene		1.359	1.599	-17.7	
2-Methylphenol		1.286	1.469	-14.2	
bis(2-Chloroisopropyl)ether		3.310	3.606	-8.9	
4-Methylphenol		1.333	1.497	-12.3	
N-Nitroso-di-n-propylamine	#	1.430	1.533	-7.2	#
Hexachloroethane		0.681	0.815	-19.7	
Nitrobenzene		0.657	0.702	-6.8	
Isophorone		1.217	1.266	-4.0	
2-Nitrophenol	*	0.260	0.284	-9.2	*
2,4-Dimethylphenol		0.495	0.547	-10.5	
Benzoic Acid		0.164	0.170	-3.7	
bis(2-Chloroethoxy)methane		0.753	0.795	-5.6	
2,4-Dichlorophenol	*	0.375	0.428	-14.1	*
1,2,4-Trichlorobenzene		0.378	0.440	-16.4	
Naphthalene		1.222	1.443	-18.1	
4-Chloroaniline		0.582	0.626	-7.6	
Hexachlorobutadiene	*	0.233	0.256	-9.9	*
4-Chloro-3-methylphenol	*	0.474	0.513	-8.2	*
2-Methylnaphthalene		0.758	0.839	-10.7	
Hexachlorocyclopentadiene	#	0.422	0.451	-6.9	#
2,4,6-Trichlorophenol	*	0.428	0.447	-4.4	*
2,4,5-Trichlorophenol		0.406	0.467	-15.0	
2-Chloronaphthalene		1.255	1.372	-9.3	
2-Nitroaniline		0.761	0.675	11.3	
Dimethylphthalate		1.524	1.614	-5.9	
Acenaphthylene		1.972	2.238	-13.5	
2,6-Dinitrotoluene		0.387	0.411	-6.2	
3-Nitroaniline		0.430	0.469	-9.1	
Acenaphthene	*	1.216	1.380	-13.5	*
2,4-Dinitrophenol	#	0.208	0.187	10.1	#
4-Nitrophenol	#	0.214	0.216	-0.9	#

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

I Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4_CDM

Instrument ID: T Calibration date: 05/25/90 Time: 848

Lab File ID: T2767 Init. Calib. Date(s): 05/18/90 05/18/90

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	$\overline{RRF}$	RRF50	%D
Dibenzofuran	1.765	1.937	-9.7
2,4-Dinitrotoluene	0.521	0.565	-8.4
Diethylphthalate	1.645	1.794	-9.1
4-Chlorophenyl-phenylether	0.676	0.793	-17.3
Fluorene	1.268	1.486	-17.2
4-Nitroaniline	0.311	0.408	-31.2
4,6-Dinitro-2-methylphenol	0.247	0.291	-17.8
N-nitrosodiphenylamine (1) *	0.949	1.132	-19.3 *
4-Bromophenyl-phenylether	0.471	0.466	1.1
Hexachlorobenzene	0.603	0.603	0.0
Pentachlorophenol *	0.142	0.113	20.4 *
Phenanthrene	1.092	1.234	-13.0
Anthracene	0.979	1.187	-21.2
Di-n-butylphthalate	1.432	1.634	-14.1
Fluoranthene *	0.974	1.185	-21.7 *
Pyrene	1.259	1.432	-13.7
Butylbenzylphthalate	0.801	0.761	5.0
3,3'-Dichlorobenzidine	0.322	0.383	-18.9
Benzo(a)anthracene	1.069	1.121	-4.9
Chrysene	0.760	0.831	-9.3
bis(2-Ethylhexyl)phthalate	1.101	1.072	2.6
Di-n-octyl phthalate *	1.941	2.034	-4.8 *
Benzo(b)fluoranthene	1.186	1.237	-4.3
Benzo(k)fluoranthene	0.956	1.145	-19.8
Benzo(a)pyrene *	1.020	1.152	-12.9 *
Indeno(1,2,3-cd)pyrene	0.977	1.012	-3.6
Dibenz(a,h)anthracene	0.905	0.995	-9.9
Benzo(g,h,i)perylene	0.964	1.032	-7.1
Nitrobenzene-d5	0.627	0.662	-5.6
2-Fluorobiphenyl	1.304	1.462	-12.1
Terphenyl-d14	0.878	0.946	-7.7
Phenol-d5	1.630	1.961	-20.3
2-Fluorophenol	1.258	1.454	-15.6
2,4,6-Tribromophenol	0.344	0.301	12.5

(1) Cannot be separated from Diphenylamine

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 04

Instrument ID: Z Calibration date: 05/18/90 Time: 1656

Lab File ID: Z4754 Init. Calib. Date(s): 05/15/90 05/15/90

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		$\overline{RRF}$	RRF50	%D	
Phenol	*	1.744	1.541	11.6	*
bis(2-Chloroethyl)ether		1.571	1.441	8.3	
2-Chlorophenol		1.415	1.304	7.8	
1,3-Dichlorobenzene		1.510	1.468	2.8	
1,4-Dichlorobenzene	*	1.547	1.510	2.4	*
Benzyl alcohol		0.821	0.721	12.2	
1,2-Dichlorobenzene		1.453	1.438	1.0	
2-Methylphenol		1.181	1.103	6.6	
bis(2-Chloroisopropyl)ether		2.239	2.272	-1.5	
4-Methylphenol		1.196	1.117	6.6	
N-Nitroso-di-n-propylamine	#	1.287	1.282	0.4	#
Hexachloroethane		0.756	0.755	0.1	
Nitrobenzene		0.607	0.575	5.3	
Isophorone		1.029	1.002	2.6	
2-Nitrophenol	*	0.273	0.271	0.7	*
2,4-Dimethylphenol		0.472	0.445	5.7	
Benzoic Acid		0.231	0.160	30.7	
bis(2-Chloroethoxy)methane		0.657	0.651	0.9	
2,4-Dichlorophenol	*	0.369	0.365	1.1	*
1,2,4-Trichlorobenzene		0.381	0.392	-2.9	
Naphthalene		1.268	1.325	-4.5	
4-Chloroaniline		0.417	0.413	1.0	
Hexachlorobutadiene	*	0.219	0.238	-8.7	*
4-Chloro-3-methylphenol	*	0.443	0.431	2.7	*
2-Methylnaphthalene		0.723	0.728	-0.7	
Hexachlorocyclopentadiene	#	0.358	0.344	3.9	#
2,4,6-Trichlorophenol	*	0.399	0.398	0.3	*
2,4,5-Trichlorophenol		0.416	0.409	1.7	
2-Chloronaphthalene		1.285	1.309	-1.9	
2-Nitroaniline		0.538	0.498	7.4	
Dimethylphthalate		1.495	1.464	2.1	
Acenaphthylene		2.025	2.087	-3.1	
2,6-Dinitrotoluene		0.349	0.303	13.2	
3-Nitroaniline		0.171	0.135	21.0	
Acenaphthene	*	1.295	1.360	-5.0	*
2,4-Dinitrophenol	#	0.173	0.142	17.9	#
4-Nitrophenol	#	0.239	0.208	13.0	#

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 04

Instrument ID: Z Calibration date: 05/18/90 Time: 1656

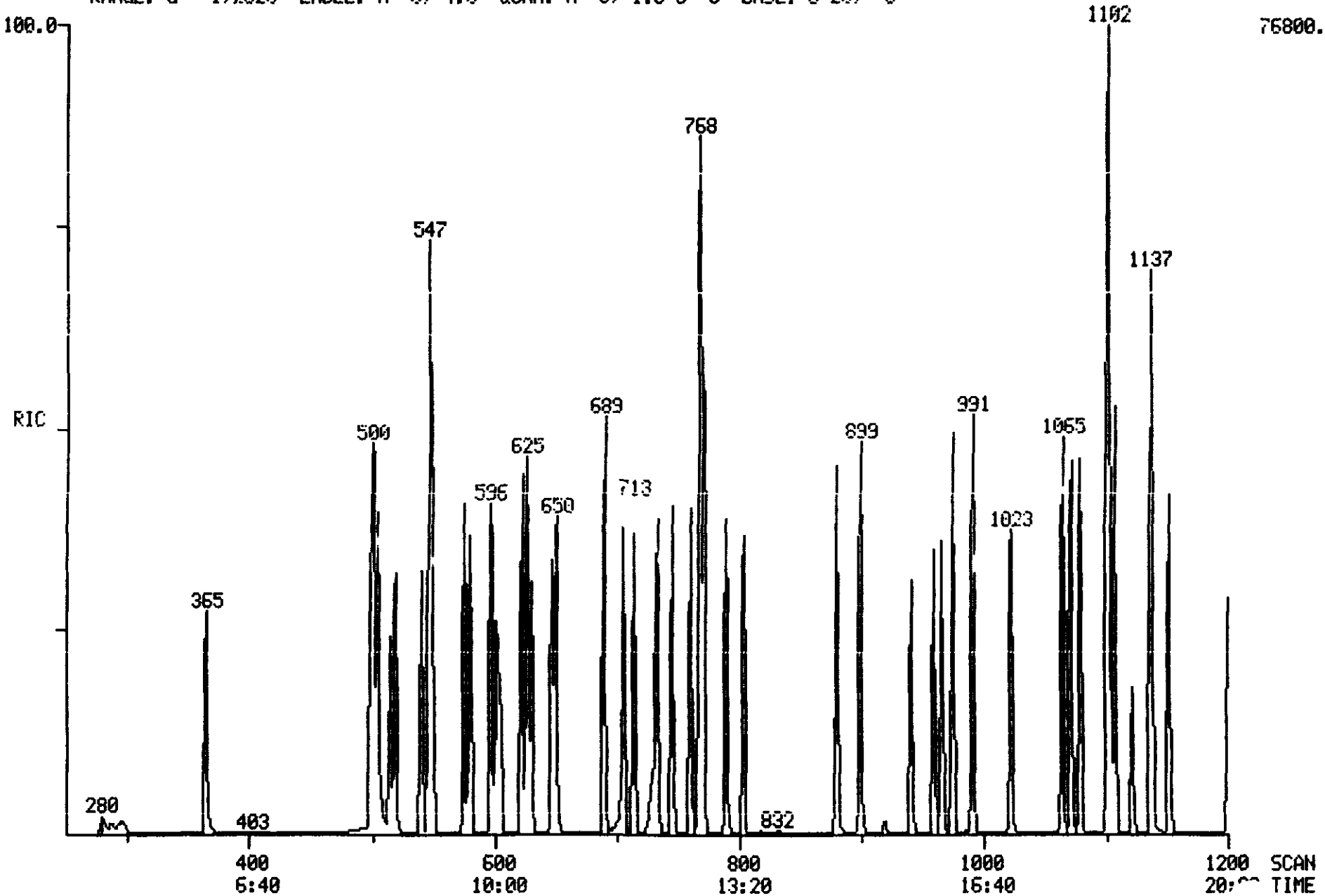
Lab File ID: Z4754 Init. Calib. Date(s): 05/15/90 05/15/90

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		$\overline{RRF}$	RRF50	%D	
Dibenzofuran		1.747	1.836	-5.1	
2,4-Dinitrotoluene		0.426	0.366	14.1	
Diethylphthalate		1.624	1.559	4.0	
4-Chlorophenyl-phenylether		0.621	0.672	-8.2	
Fluorene		1.246	1.298	-4.2	
4-Nitroaniline		0.172	0.174	-1.2	
4,6-Dinitro-2-methylphenol		0.138	0.126	8.7	
N-nitrosodiphenylamine (1)	*	0.503	0.500	0.6	*
4-Bromophenyl-phenylether		0.209	0.224	-7.2	
Hexachlorobenzene		0.227	0.254	-11.9	
Pentachlorophenol	*	0.125	0.129	-3.2	*
Phenanthrene		1.079	1.118	-3.6	
Anthracene		1.101	1.144	-3.9	
Di-n-butylphthalate		1.398	1.357	2.9	
Fluoranthene	*	0.956	0.995	-4.1	*
Pyrene		1.503	1.438	4.3	
Butylbenzylphthalate		0.832	0.774	7.0	
3,3'-Dichlorobenzidine		0.178	0.172	3.4	
Benzo(a)anthracene		1.007	0.990	1.7	
Chrysene		0.810	0.811	-0.1	
bis(2-Ethylhexyl)phthalate		1.184	1.173	0.9	
Di-n-octyl phthalate	*	2.329	2.274	2.4	*
Benzo(b)fluoranthene		1.138	1.154	-1.4	
Benzo(k)fluoranthene		1.060	1.033	2.5	
Benzo(a)pyrene	*	1.046	1.041	0.5	*
Indeno(1,2,3-cd)pyrene		0.921	0.971	-5.4	
Dibenz(a,h)anthracene		0.745	0.815	-9.4	
Benzo(g,h,i)perylene		0.797	0.853	-7.0	
Nitrobenzene-d5		0.568	0.510	10.2	
2-Fluorobiphenyl		1.351	1.399	-3.6	
Terphenyl-d14		0.872	0.826	5.3	
Phenol-d5		1.694	1.532	9.6	
2-Fluorophenol		0.718	1.202	-67.4	
2,4,6-Tribromophenol		0.175	0.185	-5.7	

(1) Cannot be separated from Diphenylamine

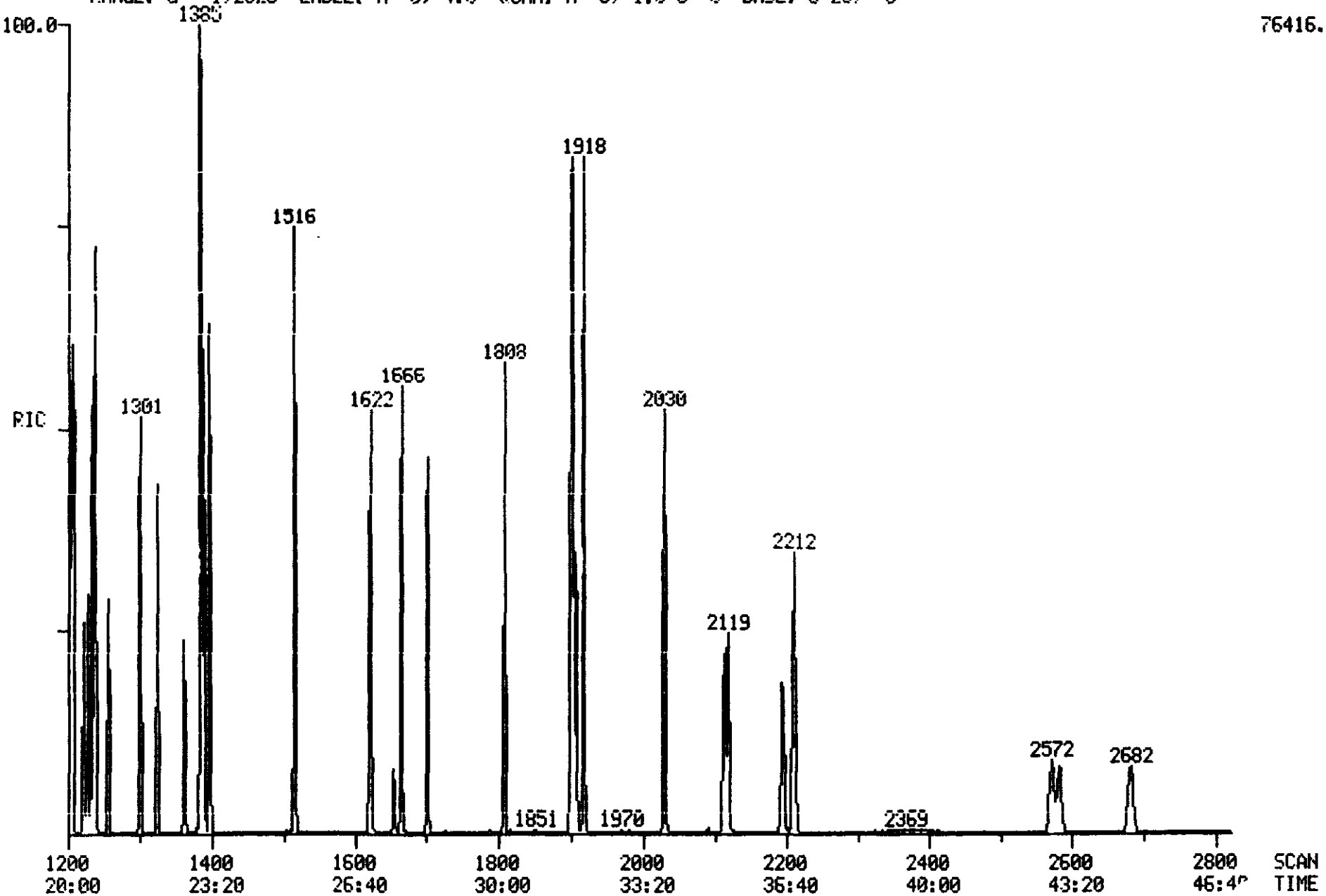
RIC DATA: T2573 #2391 SCANS 250 TO 1200
05/14/90 22:07:00 CALI: T2573 #2
SAMPLE: CLP,,,SSTD2C,,,22662,B,IC20,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: G 1,2820 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



200018

RIC DATA: T2573 #2391 SCANS 1200 TO 2820
05/14/90 22:07:00 CALI: T2573 #2
SAMPLE: CLP,,,SSTD20,,,22662,B,IC20,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: G 1,2820 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

200019



Quantitation Report File: T2573

Data: T2573.TI
05/14/90 22:07:00
Sample: CLP,,,SSTD20,,,22662,B,IC20,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: ---

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	547	9:07	1	1.000	A BB	14214.	40.000	NG/UL	2.41
2	128	518	8:38	1	0.947	A BB	9491.	20.000	NG.	1.20
3	94	501	8:21	1	0.916	A BB	13614.	20.000	NG.	1.20
4	93	514	8:34	1	0.940	A BB	12331.	20.000	NG	1.20
5	146	540	9:00	1	0.987	A BB	10684.	20.000	NG	1.20
6	146	549	9:09	1	1.004	A BB	11293.	20.000	NG.	1.20
7	146	580	9:40	1	1.060	A BB	10560.	20.000	NG	1.20
8	108	575	9:35	1	1.051	A BB	6483.	20.000	NG	1.20
9	45	601	10:01	1	1.099	A BB	29234.	20.000	NG	1.20
10	108	596	9:56	1	1.090	A BB	9831.	20.000	NG	1.20
11	117	629	10:29	1	1.150	A BB	6782.	20.000	NG	1.20
12	108	621	10:21	1	1.135	A BB	10051.	20.000	NG	1.20
13	70	625	10:25	1	1.143	A BB	13474.	20.000	NG.	1.20
14	112	365	6:05	1	0.667	A BB	8466.	20.000	NG*A1	1.20
15	99	499	8:19	1	0.912	A BB	12081.	20.000	NG*A2	1.20
16	136	767	12:47	16	1.000	A BB	47653.	40.000	NG/UL	2.41
17	77	650	10:50	16	0.847	A BB	19777.	20.000	NG	1.20
18	82	689	11:29	16	0.898	A BB	32421.	20.000	NG	1.20
19	139	705	11:45	16	0.919	A BB	5800.	20.000	NG	1.20
20	107	713	11:53	16	0.930	A BB	13628.	20.000	NG	1.20
21	93	733	12:13	16	0.956	A BB	17841.	20.000	NG	1.20
22	162	745	12:25	16	0.971	A BB	9467.	20.000	NG	1.20
23	180	760	12:40	16	0.991	A BB	10749.	20.000	NG.	1.20
24	128	771	12:51	16	1.005	A BB	32837.	20.000	NG	1.20
25	122	731	12:11	16	0.953	A BB	5053.	20.000	NG	1.20
26	127	789	13:09	16	1.029	A BB	13493.	20.000	NG	1.20
27	225	803	13:23	16	1.047	A BB	7440.	20.000	NG	1.20
28	107	880	14:40	16	1.147	A BB	12962.	20.000	NG.	1.20
29	142	899	14:59	16	1.172	A BB	20538.	20.000	NG	1.20
30	82	646	10:46	16	0.842	A BB	17963.	20.000	NG*B1	1.20
31	164	1101	18:21	31	1.000	A BB	35828.	40.000	NG/UL	2.41
32	237	941	15:41	31	0.855	A BB	7774.	20.000	NG	1.20
33	196	959	15:59	31	0.871	A BB	7336.	20.000	NG	1.20
34	196	966	16:06	31	0.877	A BB	8026.	20.000	NG	1.20
35	162	991	16:31	31	0.900	A BB	22939.	20.000	NG	1.20
36	65	1023	17:03	31	0.929	A BB	14831.	20.000	NG	1.20
37	152	1072	17:52	31	0.974	A BB	38323.	20.000	NG	1.20
38	163	1065	17:45	31	0.967	A BB	29066.	20.000	NG	1.20
39	165	1079	17:59	31	0.980	A BB	6786.	20.000	NG	1.20
40	153	1107	18:27	31	1.005	A BB	24709.	20.000	NG.	1.20
41	138	1103	18:23	31	1.002	A BB	7811.	20.000	NG	1.20
42	184	1122	18:42	31	1.019	A BB	3002.	20.000	NG	1.20
43	168	1138	18:58	31	1.034	A BB	35367.	20.000	NG	1.20
44	109	1137	18:57	31	1.033	A BB	5040.	20.000	NG.	1.20
45	165	1152	19:12	31	1.046	A BB	9508.	20.000	NG.	1.20
46	166	1204	20:04	31	1.094	A BB	28178.	20.000	NG	1.20
47	204	1207	20:07	31	1.096	A BB	14853.	20.000	NG	1.20
48	149	1201	20:01	31	1.091	A BB	34072.	20.000	NG	1.20
49	138	1222	20:22	31	1.110	A BB	6616.	20.000	NG	1.20
50	198	1228	20:28	31	1.115	A BB	4797.	20.000	NG	1.20

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:38	1.00	0.947	1.00	20.00	20.00	1.335	1.335	1.00
3	8:21	1.00	0.916	1.00	20.00	20.00	1.916	1.916	1.00
4	8:34	1.00	0.940	1.00	20.00	20.00	1.735	1.735	1.00
5	9:00	1.00	0.987	1.00	20.00	20.00	1.503	1.503	1.00
6	9:09	1.00	1.004	1.00	20.00	20.00	1.589	1.589	1.00
7	9:40	1.00	1.060	1.00	20.00	20.00	1.486	1.486	1.00
8	9:35	1.00	1.051	1.00	20.00	20.00	0.912	0.912	1.00
9	10:01	1.00	1.099	1.00	20.00	20.00	4.113	4.113	1.00
10	9:56	1.00	1.090	1.00	20.00	20.00	1.383	1.383	1.00
11	10:29	1.00	1.150	1.00	20.00	20.00	0.954	0.954	1.00
12	10:21	1.00	1.135	1.00	20.00	20.00	1.414	1.414	1.00
13	10:25	1.00	1.143	1.00	20.00	20.00	1.896	1.896	1.00
14	6:05	1.00	0.667	1.00	20.00	20.00	1.191	1.191	1.00
15	8:19	1.00	0.912	1.00	20.00	20.00	1.700	1.700	1.00
16	12:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:50	1.00	0.847	1.00	20.00	20.00	0.830	0.830	1.00
18	11:29	1.00	0.898	1.00	20.00	20.00	1.361	1.361	1.00
19	11:45	1.00	0.919	1.00	20.00	20.00	0.243	0.243	1.00
20	11:53	1.00	0.930	1.00	20.00	20.00	0.572	0.572	1.00
21	12:13	1.00	0.956	1.00	20.00	20.00	0.749	0.749	1.00
22	12:25	1.00	0.971	1.00	20.00	20.00	0.397	0.397	1.00
23	12:40	1.00	0.991	1.00	20.00	20.00	0.451	0.451	1.00
24	12:51	1.00	1.005	1.00	20.00	20.00	1.378	1.378	1.00
25	12:11	1.00	0.953	1.00	20.00	20.00	0.212	0.212	1.00
26	13:09	1.00	1.029	1.00	20.00	20.00	0.566	0.566	1.00
27	13:23	1.00	1.047	1.00	20.00	20.00	0.312	0.312	1.00
28	14:40	1.00	1.147	1.00	20.00	20.00	0.544	0.544	1.00
29	14:59	1.00	1.172	1.00	20.00	20.00	0.862	0.862	1.00
30	10:46	1.00	0.842	1.00	20.00	20.00	0.754	0.754	1.00
31	18:21	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:41	1.00	0.855	1.00	20.00	20.00	0.434	0.434	1.00
33	15:59	1.00	0.871	1.00	20.00	20.00	0.410	0.410	1.00
34	16:06	1.00	0.877	1.00	20.00	20.00	0.448	0.448	1.00
35	16:31	1.00	0.900	1.00	20.00	20.00	1.281	1.281	1.00
36	17:03	1.00	0.929	1.00	20.00	20.00	0.828	0.828	1.00
37	17:52	1.00	0.974	1.00	20.00	20.00	2.139	2.139	1.00
38	17:45	1.00	0.967	1.00	20.00	20.00	1.623	1.623	1.00
39	17:59	1.00	0.980	1.00	20.00	20.00	0.379	0.379	1.00
40	18:27	1.00	1.005	1.00	20.00	20.00	1.379	1.379	1.00
41	18:23	1.00	1.002	1.00	20.00	20.00	0.436	0.436	1.00
42	18:42	1.00	1.019	1.00	20.00	20.00	0.168	0.168	1.00
43	18:58	1.00	1.034	1.00	20.00	20.00	1.974	1.974	1.00
44	18:57	1.00	1.033	1.00	20.00	20.00	0.281	0.281	1.00
45	19:12	1.00	1.046	1.00	20.00	20.00	0.531	0.531	1.00
46	20:04	1.00	1.094	1.00	20.00	20.00	1.573	1.573	1.00
47	20:07	1.00	1.096	1.00	20.00	20.00	0.829	0.829	1.00
48	20:01	1.00	1.091	1.00	20.00	20.00	1.902	1.902	1.00
49	20:22	1.00	1.110	1.00	20.00	20.00	0.369	0.369	1.00
50	20:28	1.00	1.115	1.00	20.00	20.00	0.268	0.268	1.00

Quantitation Report File: T2573

Data: T2573.TI
05/14/90 22:07:00
Sample: CLP,,,SSTD20,,,22662,B,IC20,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: ---

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

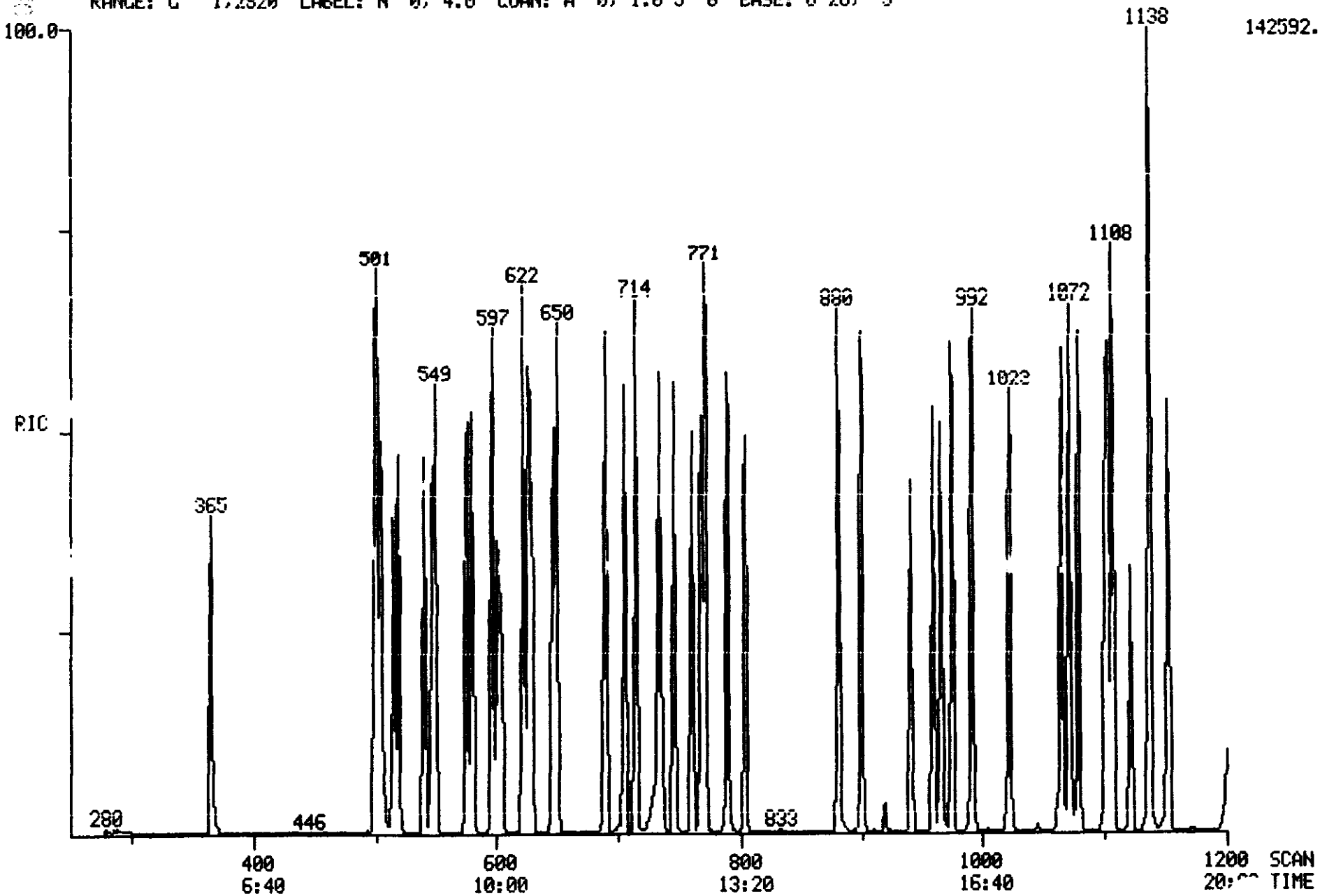
No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	169	1233	20:33	31	1.120	A BB	20964.	20.000 NG	1.20
52	248	1301	21:41	31	1.182	A BB	8415.	20.000 NG	1.20
53	284	1325	22:05	31	1.203	A BB	10715.	20.000 NG	1.20
54	172	975	16:15	31	0.886	A BB	24745.	20.000 NG*B2	1.20
55	188	1385	23:05	55	1.000	A BV	74969.	40.000 NG/UL	2.41
56	266	1362	22:42	55	0.983	A BB	4767.	20.000 NG.	1.20
57	178	1390	23:10	55	1.004	A BV	45094.	20.000 NG	1.20
58	178	1398	23:18	55	1.009	A VB	45709.	20.000 NG	1.20
59	149	1516	25:16	55	1.095	A BB	66674.	20.000 NG	1.20
60	202	1622	27:02	55	1.171	A BB	45522.	20.000 NG	1.20
61	202	1666	27:46	63	0.875	A BB	45559.	20.000 NG.	1.20
62	330	1255	20:55	31	1.140	A BB	5396.	20.000 NG*A3	1.20
63	240	1903	31:43	63	1.000	A BB	53961.	40.000 NG/UL	2.41
64	149	1808	30:08	63	0.950	A BB	23617.	20.000 NG	1.20
65	228	1899	31:39	63	0.998	A BV	29309.	20.000 NG	1.20
66	228	1907	31:47	63	1.002	A VB	23237.	20.000 NG	1.20

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
67	252	1901	31:41	63	0.999	A BB	9390.	20.000 NG	1.20
68	149	1918	31:58	63	1.008	A BB	31981.	20.000 NG	1.20
69	244	1702	28:22	63	0.894	A BB	29210.	20.000 NG*B3	1.20
70	264	2212	36:52	70	1.000	A BB	42822.	40.000 NG/UL	2.41
71	149	2030	33:50	70	0.918	A BB	48812.	20.000 NG	1.20
72	252	2113	35:13	70	0.955	A BV	26780.	20.000 NG	1.20
73	252	2119	35:19	70	0.958	A VB	24940.	20.000 NG	1.20
74	252	2195	36:35	70	0.992	A BB	23746.	20.000 NG	1.20
75	276	2572	42:52	70	1.163	A BV	19076.	20.000 NG	1.20
76	278	2583	43:03	70	1.168	A BB	17434.	20.000 NG	1.20
77	276	2681	44:41	70	1.212	A BB	19004.	20.000 NG	1.20

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:33	1.00	1.120	1.00	20.00	20.00	1.170	1.170	1.00
52	21:41	1.00	1.182	1.00	20.00	20.00	0.470	0.470	1.00
53	22:05	1.00	1.203	1.00	20.00	20.00	0.598	0.598	1.00
54	16:15	1.00	0.886	1.00	20.00	20.00	1.381	1.381	1.00
55	23:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:42	1.00	0.983	1.00	20.00	20.00	0.127	0.127	1.00
57	23:10	1.00	1.004	1.00	20.00	20.00	1.203	1.203	1.00
58	23:18	1.00	1.009	1.00	20.00	20.00	1.219	1.219	1.00
59	25:16	1.00	1.095	1.00	20.00	20.00	1.779	1.779	1.00
60	27:02	1.00	1.171	1.00	20.00	20.00	1.214	1.214	1.00
61	27:46	1.00	0.875	1.00	20.00	20.00	1.689	1.689	1.00
62	20:55	1.00	1.140	1.00	20.00	20.00	0.301	0.301	1.00
63	31:43	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	30:08	1.00	0.950	1.00	20.00	20.00	0.875	0.875	1.00
65	31:39	1.00	0.998	1.00	20.00	20.00	1.086	1.086	1.00
66	31:47	1.00	1.002	1.00	20.00	20.00	0.861	0.861	1.00
67	31:41	1.00	0.999	1.00	20.00	20.00	0.348	0.348	1.00
68	31:58	1.00	1.008	1.00	20.00	20.00	1.185	1.185	1.00
69	28:22	1.00	0.894	1.00	20.00	20.00	1.083	1.083	1.00
70	36:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:50	1.00	0.918	1.00	20.00	20.00	2.280	2.280	1.00
72	35:13	1.00	0.955	1.00	20.00	20.00	1.251	1.251	1.00
73	35:19	1.00	0.958	1.00	20.00	20.00	1.165	1.165	1.00
74	36:35	1.00	0.992	1.00	20.00	20.00	1.109	1.109	1.00
75	42:52	1.00	1.163	1.00	20.00	20.00	0.891	0.891	1.00
76	43:03	1.00	1.168	1.00	20.00	20.00	0.814	0.814	1.00
77	44:41	1.00	1.212	1.00	20.00	20.00	0.888	0.888	1.00

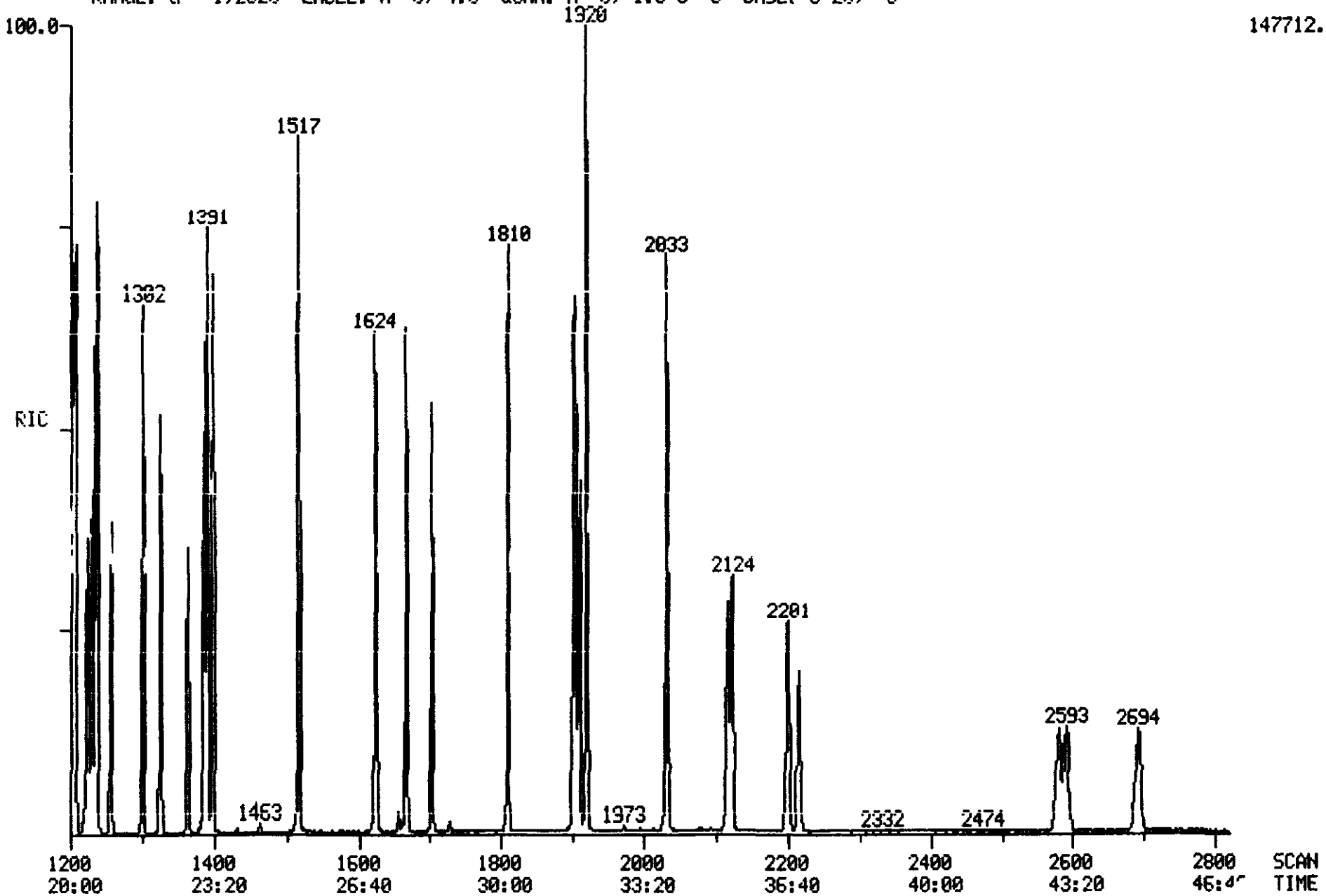
RIC DATA: T2569 #1 SCANS 250 TO 1200
05/14/90 17:42:00 CALI: T2569 #2
SAMPLE: CLP,,,SSTD50,,,22658,6,IC50,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: G 1,2820 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



200025

RIC DATA: T2569 #1 SCANS 1200 TO 2820
05/14/90 17:42:00 CALI: T2569 #2
SAMPLE: CLP,,,SSTD50,,,22658,B,IC50,,1UL,
CONDS.· INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: G 1,2820 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

200026



Quantitation Report File: T2569

Data: T2569.TI
05/14/90 17:42:00
Sample: CLP,,,SSTD50,,,22658,B,IC50,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: --

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	547	9:07	1	1.000	A BB	15621.	40.000	NG/UL	1.06
2	128	519	8:39	1	0.949	A BB	25165.	50.000	NG.	1.32
3	94	501	8:21	1	0.916	A BB	35694.	50.000	NG.	1.32
4	93	515	8:35	1	0.941	A VB	33251.	50.000	NG	1.32
5	146	540	9:00	1	0.987	A BB	28368.	50.000	NG	1.32
6	146	549	9:09	1	1.004	A BB	29990.	50.000	NG.	1.32
7	146	580	9:40	1	1.060	A BB	28248.	50.000	NG	1.32
8	108	575	9:35	1	1.051	A BB	18519.	50.000	NG	1.32
9	45	601	10:01	1	1.099	A BB	79012.	50.000	NG	1.32
10	108	597	9:57	1	1.091	A BB	27267.	50.000	NG	1.32
11	117	629	10:29	1	1.150	A BB	18654.	50.000	NG	1.32
12	108	622	10:22	1	1.137	A BB	29046.	50.000	NG	1.32
13	70	626	10:26	1	1.144	A BB	37511.	50.000	NG.	1.32
14	112	365	6:05	1	0.667	A BB	20548.	50.000	NG*A1	1.32
15	99	499	8:19	1	0.912	A BB	31626.	50.000	NG*A2	1.32
16	136	768	12:48	16	1.000	A BB	52080.	40.000	NG/UL	1.06
17	77	650	10:50	16	0.846	A BB	53433.	50.000	NG	1.32
18	82	689	11:29	16	0.897	A BB	90702.	50.000	NG	1.32
19	139	705	11:45	16	0.918	A BB	16679.	50.000	NG	1.32
20	107	714	11:54	16	0.930	A BB	37663.	50.000	NG	1.32
21	93	734	12:14	16	0.956	A BB	51224.	50.000	NG	1.32
22	162	746	12:26	16	0.971	A BB	24762.	50.000	NG	1.32
23	180	760	12:40	16	0.990	A BB	26359.	50.000	NG.	1.32
24	128	771	12:51	16	1.004	A BB	87935.	50.000	NG	1.32
25	122	736	12:16	16	0.958	A BB	13954.	50.000	NG	1.32
26	127	789	13:09	16	1.027	A BB	39132.	50.000	NG	1.32
27	225	803	13:23	16	1.046	A BB	17332.	50.000	NG	1.32
28	107	880	14:40	16	1.146	A BB	36793.	50.000	NG.	1.32
29	142	899	14:59	16	1.171	A BB	54639.	50.000	NG	1.32
30	82	647	10:47	16	0.842	A BB	49713.	50.000	NG*B1	1.32
31	164	1102	18:22	31	1.000	A BB	37455.	40.000	NG/UL	1.06
32	237	941	15:41	31	0.854	A BB	20609.	50.000	NG	1.32
33	196	960	16:00	31	0.871	A BV	18582.	50.000	NG	1.32
34	196	966	16:06	31	0.877	A VB	19169.	50.000	NG	1.32
35	162	992	16:32	31	0.900	A BB	56832.	50.000	NG	1.32
36	65	1023	17:03	31	0.928	A BB	42308.	50.000	NG	1.32
37	152	1072	17:52	31	0.973	A BB	94880.	50.000	NG	1.32
38	163	1066	17:46	31	0.967	A BB	71668.	50.000	NG	1.32
39	165	1080	18:00	31	0.980	A BB	18134.	50.000	NG	1.32
40	153	1108	18:28	31	1.005	A BB	57936.	50.000	NG.	1.32
41	138	1104	18:24	31	1.002	A BB	21297.	50.000	NG	1.32
42	184	1123	18:43	31	1.019	A BB	10715.	50.000	NG	1.32
43	168	1138	18:58	31	1.033	A BB	82874.	50.000	NG	1.32
44	109	1138	18:58	31	1.033	A BB	13742.	50.000	NG.	1.32
45	165	1153	19:13	31	1.046	A BB	24810.	50.000	NG.	1.32
46	166	1205	20:05	31	1.093	A BB	65220.	50.000	NG	1.32
47	204	1208	20:08	31	1.096	A BB	34449.	50.000	NG	1.32
48	149	1202	20:02	31	1.091	A BB	83379.	50.000	NG	1.32
49	138	1224	20:24	31	1.111	A BB	19051.	50.000	NG	1.32
50	198	1229	20:29	31	1.115	A BB	14622.	50.000	NG	1.32

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	9:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:39	1.00	0.949	1.00	50.00	50.00	1.289	1.289	1.00
3	8:21	1.00	0.916	1.00	50.00	50.00	1.828	1.828	1.00
4	8:35	1.00	0.941	1.00	50.00	50.00	1.703	1.703	1.00
5	9:00	1.00	0.987	1.00	50.00	50.00	1.453	1.453	1.00
6	9:09	1.00	1.004	1.00	50.00	50.00	1.536	1.536	1.00
7	9:40	1.00	1.060	1.00	50.00	50.00	1.447	1.447	1.00
8	9:35	1.00	1.051	1.00	50.00	50.00	0.948	0.948	1.00
9	10:01	1.00	1.099	1.00	50.00	50.00	4.046	4.046	1.00
10	9:57	1.00	1.091	1.00	50.00	50.00	1.396	1.396	1.00
11	10:29	1.00	1.150	1.00	50.00	50.00	0.955	0.955	1.00
12	10:22	1.00	1.137	1.00	50.00	50.00	1.488	1.488	1.00
13	10:26	1.00	1.144	1.00	50.00	50.00	1.921	1.921	1.00
14	6:05	1.00	0.667	1.00	50.00	50.00	1.052	1.052	1.00
15	8:19	1.00	0.912	1.00	50.00	50.00	1.620	1.620	1.00
16	12:48	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:50	1.00	0.846	1.00	50.00	50.00	0.821	0.821	1.00
18	11:29	1.00	0.897	1.00	50.00	50.00	1.393	1.393	1.00
19	11:45	1.00	0.918	1.00	50.00	50.00	0.256	0.256	1.00
20	11:54	1.00	0.930	1.00	50.00	50.00	0.579	0.579	1.00
21	12:14	1.00	0.956	1.00	50.00	50.00	0.787	0.787	1.00
22	12:26	1.00	0.971	1.00	50.00	50.00	0.380	0.380	1.00
23	12:40	1.00	0.990	1.00	50.00	50.00	0.405	0.405	1.00
24	12:51	1.00	1.004	1.00	50.00	50.00	1.351	1.351	1.00
25	12:16	1.00	0.958	1.00	50.00	50.00	0.214	0.214	1.00
26	13:09	1.00	1.027	1.00	50.00	50.00	0.601	0.601	1.00
27	13:23	1.00	1.046	1.00	50.00	50.00	0.266	0.266	1.00
28	14:40	1.00	1.146	1.00	50.00	50.00	0.565	0.565	1.00
29	14:59	1.00	1.171	1.00	50.00	50.00	0.839	0.839	1.00
30	10:47	1.00	0.842	1.00	50.00	50.00	0.764	0.764	1.00
31	18:22	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:41	1.00	0.854	1.00	50.00	50.00	0.440	0.440	1.00
33	16:00	1.00	0.871	1.00	50.00	50.00	0.397	0.397	1.00
34	16:06	1.00	0.877	1.00	50.00	50.00	0.409	0.409	1.00
35	16:32	1.00	0.900	1.00	50.00	50.00	1.214	1.214	1.00
36	17:03	1.00	0.928	1.00	50.00	50.00	0.904	0.904	1.00
37	17:52	1.00	0.973	1.00	50.00	50.00	2.027	2.027	1.00
38	17:46	1.00	0.967	1.00	50.00	50.00	1.531	1.531	1.00
39	18:00	1.00	0.980	1.00	50.00	50.00	0.387	0.387	1.00
40	18:28	1.00	1.005	1.00	50.00	50.00	1.237	1.237	1.00
41	18:24	1.00	1.002	1.00	50.00	50.00	0.455	0.455	1.00
42	18:43	1.00	1.019	1.00	50.00	50.00	0.229	0.229	1.00
43	18:58	1.00	1.033	1.00	50.00	50.00	1.770	1.770	1.00
44	18:58	1.00	1.033	1.00	50.00	50.00	0.294	0.294	1.00
45	19:13	1.00	1.046	1.00	50.00	50.00	0.530	0.530	1.00
46	20:05	1.00	1.093	1.00	50.00	50.00	1.393	1.393	1.00
47	20:08	1.00	1.096	1.00	50.00	50.00	0.736	0.736	1.00
48	20:02	1.00	1.091	1.00	50.00	50.00	1.781	1.781	1.00
49	20:24	1.00	1.111	1.00	50.00	50.00	0.407	0.407	1.00
50	20:29	1.00	1.115	1.00	50.00	50.00	0.312	0.312	1.00

Quantitation Report File: T2569

Data: T2569.TI
05/14/90 17:42:00
Sample: CLP,,,SSTD50,,,22658,B,IC50,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: --

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

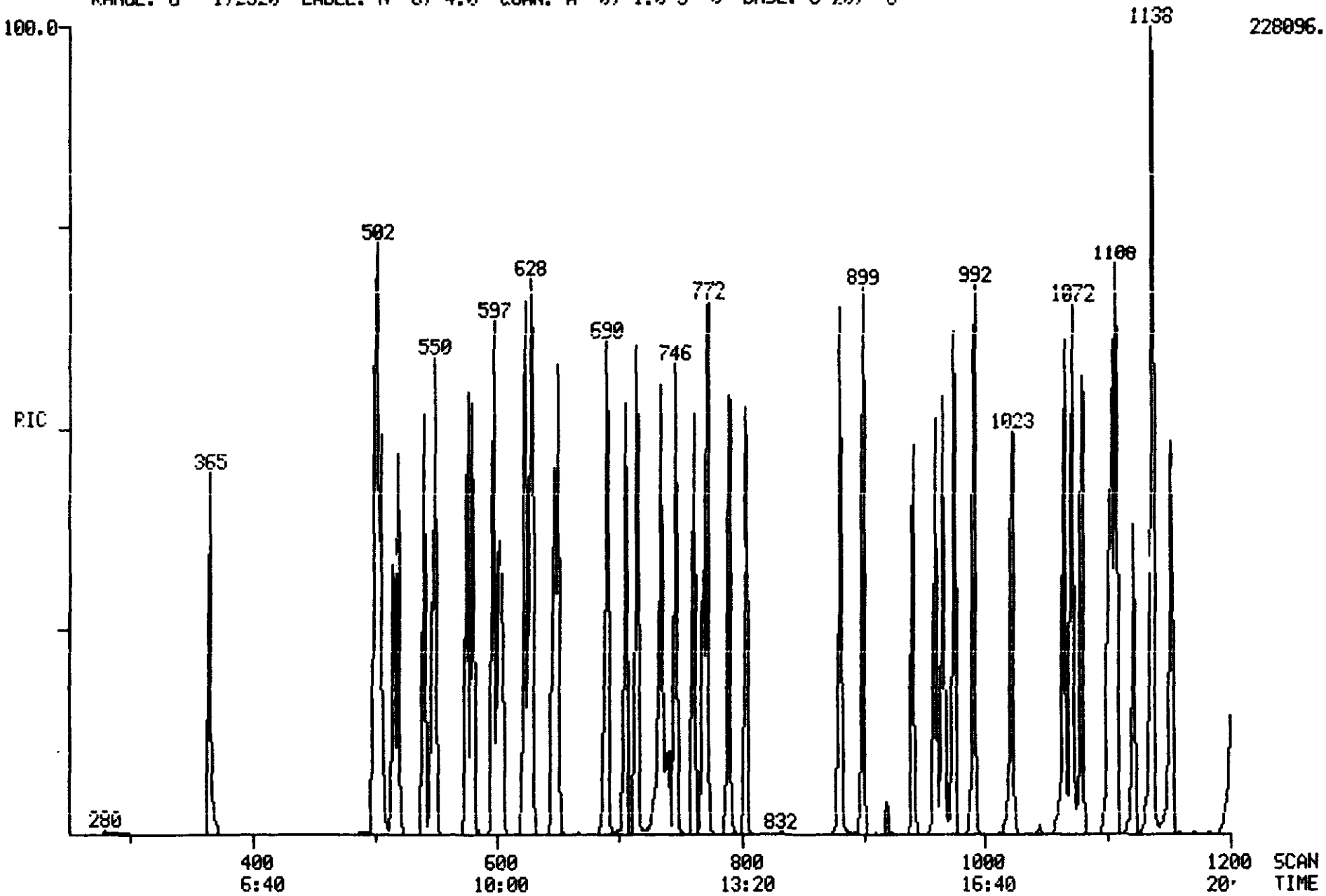
No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	169	1234	20:34	31	1.120	A BB	49488.	50.000	NG	1.32
52	248	1301	21:41	31	1.181	A BB	21260.	50.000	NG	1.32
53	284	1326	22:06	31	1.203	A BB	25148.	50.000	NG	1.32
54	172	975	16:15	31	0.885	A BB	59968.	50.000	NG*B2	1.32
55	188	1386	23:06	55	1.000	A BB	75538.	40.000	NG/UL	1.06
56	266	1363	22:43	55	0.983	A BB	13999.	50.000	NG.	1.32
57	178	1391	23:11	55	1.004	A BV	105164.	50.000	NG	1.32
58	178	1399	23:19	55	1.009	A VB	103153.	50.000	NG	1.32
59	149	1517	25:17	55	1.095	A BV	157368.	50.000	NG	1.32
60	202	1624	27:04	55	1.172	A BB	104709.	50.000	NG	1.32
61	202	1668	27:48	63	0.876	A BB	102146.	50.000	NG.	1.32
62	330	1256	20:56	31	1.140	A BB	12678.	50.000	NG*A3	1.32
63	240	1905	31:45	63	1.000	A BB	56496.	40.000	NG/UL	1.06
64	149	1810	30:10	63	0.950	A BB	59766.	50.000	NG	1.32
65	228	1902	31:42	63	0.998	A BV	74370.	50.000	NG	1.32
66	228	1910	31:50	63	1.003	A VB	56857.	50.000	NG	1.32

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
67	252	1903	31:43	63	0.999	A BB	20611.	50.000 NG	1.32
68	149	1920	32:00	63	1.008	A BB	81602.	50.000 NG	1.32
69	244	1703	28:23	63	0.894	A BB	66579.	50.000 NG*B3	1.32
70	264	2216	36:56	70	1.000	A BB	45334.	40.000 NG/UL	1.06
71	149	2033	33:53	70	0.917	A BB	132179.	50.000 NG	1.32
72	252	2117	35:17	70	0.955	A BV	68027.	50.000 NG	1.32
73	252	2123	35:23	70	0.958	A VB	62799.	50.000 NG	1.32
74	252	2200	36:40	70	0.993	A BB	61879.	50.000 NG	1.32
75	276	2581	43:01	70	1.165	A BV	51958.	50.000 NG	1.32
76	278	2593	43:13	70	1.170	A BB	46607.	50.000 NG	1.32
77	276	2693	44:53	70	1.215	A BB	52321.	50.000 NG	1.32

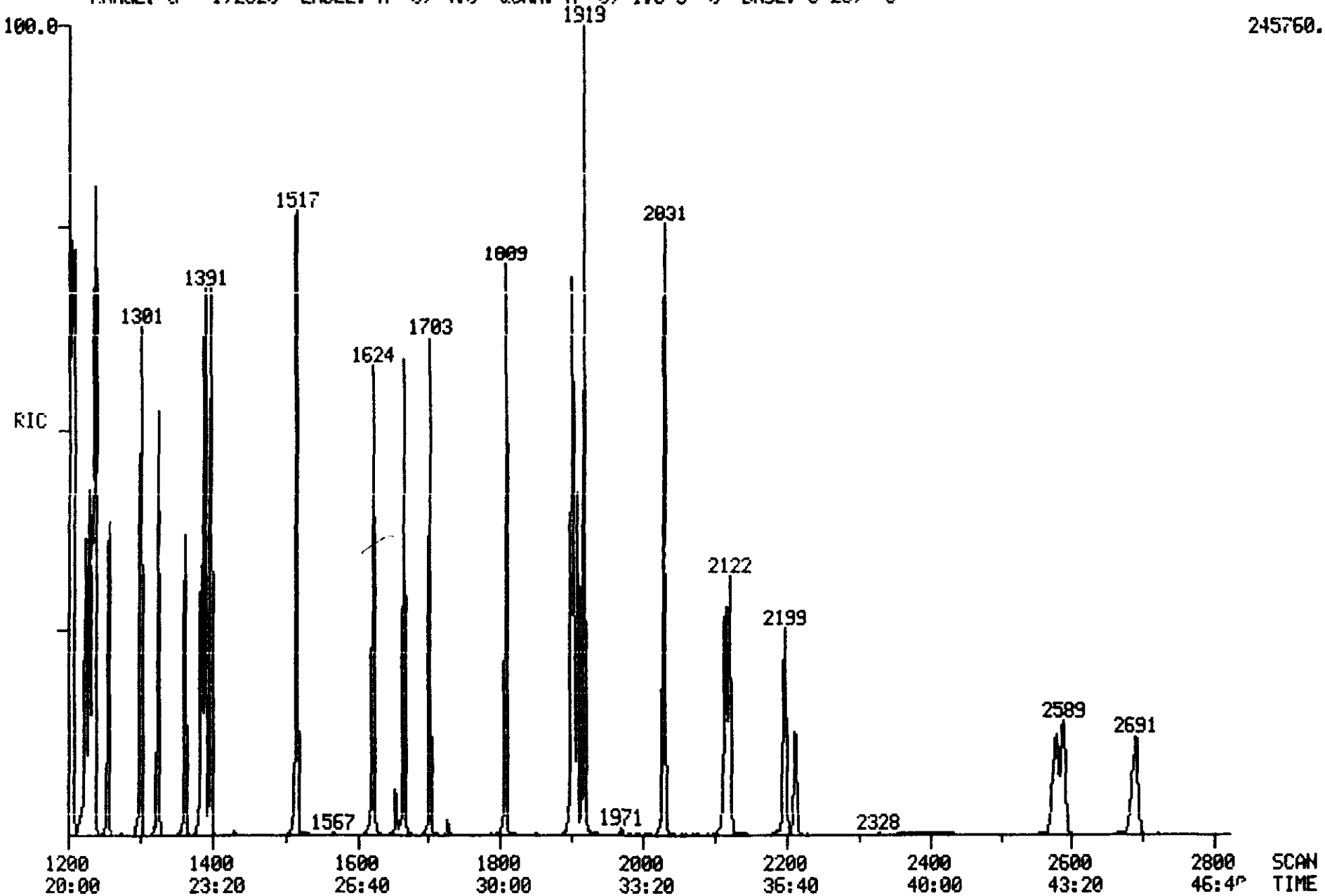
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:34	1.00	1.120	1.00	50.00	50.00	1.057	1.057	1.00
52	21:41	1.00	1.181	1.00	50.00	50.00	0.454	0.454	1.00
53	22:06	1.00	1.203	1.00	50.00	50.00	0.537	0.537	1.00
54	16:15	1.00	0.885	1.00	50.00	50.00	1.281	1.281	1.00
55	23:06	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:43	1.00	0.983	1.00	50.00	50.00	0.148	0.148	1.00
57	23:11	1.00	1.004	1.00	50.00	50.00	1.114	1.114	1.00
58	23:19	1.00	1.009	1.00	50.00	50.00	1.092	1.092	1.00
59	25:17	1.00	1.095	1.00	50.00	50.00	1.667	1.667	1.00
60	27:04	1.00	1.172	1.00	50.00	50.00	1.109	1.109	1.00
61	27:48	1.00	0.876	1.00	50.00	50.00	1.446	1.446	1.00
62	20:56	1.00	1.140	1.00	50.00	50.00	0.271	0.271	1.00
63	31:45	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	30:10	1.00	0.950	1.00	50.00	50.00	0.846	0.846	1.00
65	31:42	1.00	0.998	1.00	50.00	50.00	1.053	1.053	1.00
66	31:50	1.00	1.003	1.00	50.00	50.00	0.805	0.805	1.00
67	31:43	1.00	0.999	1.00	50.00	50.00	0.292	0.292	1.00
68	32:00	1.00	1.008	1.00	50.00	50.00	1.156	1.156	1.00
69	28:23	1.00	0.894	1.00	50.00	50.00	0.943	0.943	1.00
70	36:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:53	1.00	0.917	1.00	50.00	50.00	2.333	2.333	1.00
72	35:17	1.00	0.955	1.00	50.00	50.00	1.200	1.200	1.00
73	35:23	1.00	0.958	1.00	50.00	50.00	1.108	1.108	1.00
74	36:40	1.00	0.993	1.00	50.00	50.00	1.092	1.092	1.00
75	43:01	1.00	1.165	1.00	50.00	50.00	0.917	0.917	1.00
76	43:13	1.00	1.170	1.00	50.00	50.00	0.822	0.822	1.00
77	44:53	1.00	1.215	1.00	50.00	50.00	0.923	0.923	1.00

RIC DATA: T2572 #2391 SCANS 250 TO 1200
05/14/90 21:13:00 CALI: T2572 #2
SAMPLE: CLP,,,SSTD80,,,22661,B,IC80,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
RANGE: G 1,2920 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



200032

RIC DATA: T2572 #2391 SCANS 1200 TO 2820
05/14/90 21:13:00 CALI: T2572 #2
SAMPLE: CLP,,,SSTD80,,,22661,B,IC20,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
RANGE: G 1,2820 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



200033

Quantitation Report File: T2572

Data: T2572.TI
05/14/90 21:13:00
Sample: CLP,,,SSTD80,,,22661,B,IC80,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: ---

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	547	9:07	1	1.000	A BB	16068.	40.000 NG/UL	0.69
2	128	519	8:39	1	0.949	A BB	41052.	80.000 NG.	1.35
3	94	502	8:22	1	0.918	A BB	56825.	80.000 NG.	1.35
4	93	515	8:35	1	0.941	A VB	51311.	80.000 NG	1.35
5	146	541	9:01	1	0.989	A BB	46160.	80.000 NG	1.35
6	146	550	9:10	1	1.005	A BB	48323.	80.000 NG.	1.35
7	146	580	9:40	1	1.060	A BB	46291.	80.000 NG	1.35
8	108	576	9:36	1	1.053	A BB	30427.	80.000 NG	1.35
9	45	602	10:02	1	1.101	A BB	125990.	80.000 NG	1.35
10	108	597	9:57	1	1.091	A BB	43318.	80.000 NG	1.35
11	117	629	10:29	1	1.150	A BB	28665.	80.000 NG	1.35
12	108	623	10:23	1	1.139	A BB	45373.	80.000 NG	1.35
13	70	627	10:27	1	1.146	A BB	58607.	80.000 NG.	1.35
14	112	365	6:05	1	0.667	A BB	35530.	80.000 NG*A1	1.35
15	99	500	8:20	1	0.914	A BB	51722.	80.000 NG*A2	1.35
16	136	768	12:48	16	1.000	A BB	54192.	40.000 NG/UL	0.69
17	77	651	10:51	16	0.848	A BB	84682.	80.000 NG	1.35
18	82	690	11:30	16	0.898	A BB	143669.	80.000 NG	1.35
19	139	705	11:45	16	0.918	A BB	27248.	80.000 NG	1.35
20	107	714	11:54	16	0.930	A BB	61596.	80.000 NG	1.35
21	93	734	12:14	16	0.956	A BB	79832.	80.000 NG	1.35
22	162	746	12:26	16	0.971	A BB	42297.	80.000 NG	1.35
23	180	760	12:40	16	0.990	A BB	44939.	80.000 NG.	1.35
24	128	771	12:51	16	1.004	A BB	140750.	80.000 NG	1.35
25	122	741	12:21	16	0.965	A BB	23365.	80.000 NG	1.35
26	127	789	13:09	16	1.027	A BB	65174.	80.000 NG	1.35
27	225	803	13:23	16	1.046	A BB	30483.	80.000 NG	1.35
28	107	880	14:40	16	1.146	A BB	60171.	80.000 NG.	1.35
29	142	899	14:59	16	1.171	A BB	89824.	80.000 NG	1.35
30	82	647	10:47	16	0.842	A BB	79530.	80.000 NG*B1	1.35
31	164	1101	18:21	31	1.000	A BB	40078.	40.000 NG/UL	0.69
32	237	941	15:41	31	0.855	A BB	35977.	80.000 NG	1.35
33	196	960	16:00	31	0.872	A BV	32226.	80.000 NG	1.35
34	196	966	16:06	31	0.877	A VB	33216.	80.000 NG	1.35
35	162	992	16:32	31	0.901	A BB	96437.	80.000 NG	1.35
36	65	1024	17:04	31	0.930	A BB	71191.	80.000 NG	1.35
37	152	1072	17:52	31	0.974	A BB	159468.	80.000 NG	1.35
38	163	1066	17:46	31	0.968	A BB	122438.	80.000 NG	1.35
39	165	1080	18:00	31	0.981	A BB	30950.	80.000 NG	1.35
40	153	1108	18:28	31	1.006	A BB	97302.	80.000 NG.	1.35
41	138	1105	18:25	31	1.004	A BB	36450.	80.000 NG	1.35
42	184	1123	18:43	31	1.020	A BB	19387.	80.000 NG	1.35
43	168	1138	18:58	31	1.034	A BB	138211.	80.000 NG	1.35
44	109	1138	18:58	31	1.034	A BB	27942.	80.000 NG.	1.35
45	165	1153	19:13	31	1.047	A BB	42583.	80.000 NG.	1.35
46	166	1205	20:05	31	1.094	A BB	109827.	80.000 NG	1.35
47	204	1208	20:08	31	1.097	A BB	56311.	80.000 NG	1.35
48	149	1203	20:03	31	1.093	A BB	145422.	80.000 NG	1.35
49	138	1225	20:25	31	1.113	A BB	34932.	80.000 NG	1.35
50	198	1230	20:30	31	1.117	A BB	25445.	80.000 NG	1.35

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:39	1.00	0.949	1.00	80.00	80.00	1.277	1.277	1.00
3	8:22	1.00	0.918	1.00	80.00	80.00	1.768	1.768	1.00
4	8:35	1.00	0.941	1.00	80.00	80.00	1.597	1.597	1.00
5	9:01	1.00	0.989	1.00	80.00	80.00	1.436	1.436	1.00
6	9:10	1.00	1.005	1.00	80.00	80.00	1.504	1.504	1.00
7	9:40	1.00	1.060	1.00	80.00	80.00	1.440	1.440	1.00
8	9:36	1.00	1.053	1.00	80.00	80.00	0.947	0.947	1.00
9	10:02	1.00	1.101	1.00	80.00	80.00	3.921	3.921	1.00
10	9:57	1.00	1.091	1.00	80.00	80.00	1.348	1.348	1.00
11	10:29	1.00	1.150	1.00	80.00	80.00	0.892	0.892	1.00
12	10:23	1.00	1.139	1.00	80.00	80.00	1.412	1.412	1.00
13	10:27	1.00	1.146	1.00	80.00	80.00	1.824	1.824	1.00
14	6:05	1.00	0.667	1.00	80.00	80.00	1.106	1.106	1.00
15	8:20	1.00	0.914	1.00	80.00	80.00	1.609	1.609	1.00
16	12:48	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:51	1.00	0.848	1.00	80.00	80.00	0.781	0.781	1.00
18	11:30	1.00	0.898	1.00	80.00	80.00	1.326	1.326	1.00
19	11:45	1.00	0.918	1.00	80.00	80.00	0.251	0.251	1.00
20	11:54	1.00	0.930	1.00	80.00	80.00	0.568	0.568	1.00
21	12:14	1.00	0.956	1.00	80.00	80.00	0.737	0.737	1.00
22	12:26	1.00	0.971	1.00	80.00	80.00	0.390	0.390	1.00
23	12:40	1.00	0.990	1.00	80.00	80.00	0.415	0.415	1.00
24	12:51	1.00	1.004	1.00	80.00	80.00	1.299	1.299	1.00
25	12:21	1.00	0.965	1.00	80.00	80.00	0.216	0.216	1.00
26	13:09	1.00	1.027	1.00	80.00	80.00	0.601	0.601	1.00
27	13:23	1.00	1.046	1.00	80.00	80.00	0.281	0.281	1.00
28	14:40	1.00	1.146	1.00	80.00	80.00	0.555	0.555	1.00
29	14:59	1.00	1.171	1.00	80.00	80.00	0.829	0.829	1.00
30	10:47	1.00	0.842	1.00	80.00	80.00	0.734	0.734	1.00
31	18:21	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:41	1.00	0.855	1.00	80.00	80.00	0.449	0.449	1.00
33	16:00	1.00	0.872	1.00	80.00	80.00	0.402	0.402	1.00
34	16:06	1.00	0.877	1.00	80.00	80.00	0.414	0.414	1.00
35	16:32	1.00	0.901	1.00	80.00	80.00	1.203	1.203	1.00
36	17:04	1.00	0.930	1.00	80.00	80.00	0.888	0.888	1.00
37	17:52	1.00	0.974	1.00	80.00	80.00	1.989	1.989	1.00
38	17:46	1.00	0.968	1.00	80.00	80.00	1.527	1.527	1.00
39	18:00	1.00	0.981	1.00	80.00	80.00	0.386	0.386	1.00
40	18:28	1.00	1.006	1.00	80.00	80.00	1.214	1.214	1.00
41	18:25	1.00	1.004	1.00	80.00	80.00	0.455	0.455	1.00
42	18:43	1.00	1.020	1.00	80.00	80.00	0.242	0.242	1.00
43	18:58	1.00	1.034	1.00	80.00	80.00	1.724	1.724	1.00
44	18:58	1.00	1.034	1.00	80.00	80.00	0.349	0.349	1.00
45	19:13	1.00	1.047	1.00	80.00	80.00	0.531	0.531	1.00
46	20:05	1.00	1.094	1.00	80.00	80.00	1.370	1.370	1.00
47	20:08	1.00	1.097	1.00	80.00	80.00	0.703	0.703	1.00
48	20:03	1.00	1.093	1.00	80.00	80.00	1.814	1.814	1.00
49	20:25	1.00	1.113	1.00	80.00	80.00	0.436	0 436	1.00
50	20:30	1.00	1.117	1.00	80.00	80.00	0.317	0.317	1.00

Quantitation Report File: T2572

Data: T2572.TI
05/14/90 21:13:00
Sample: CLP,,,SSTD80,,,22661,B,IC80,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
ormula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: ---

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

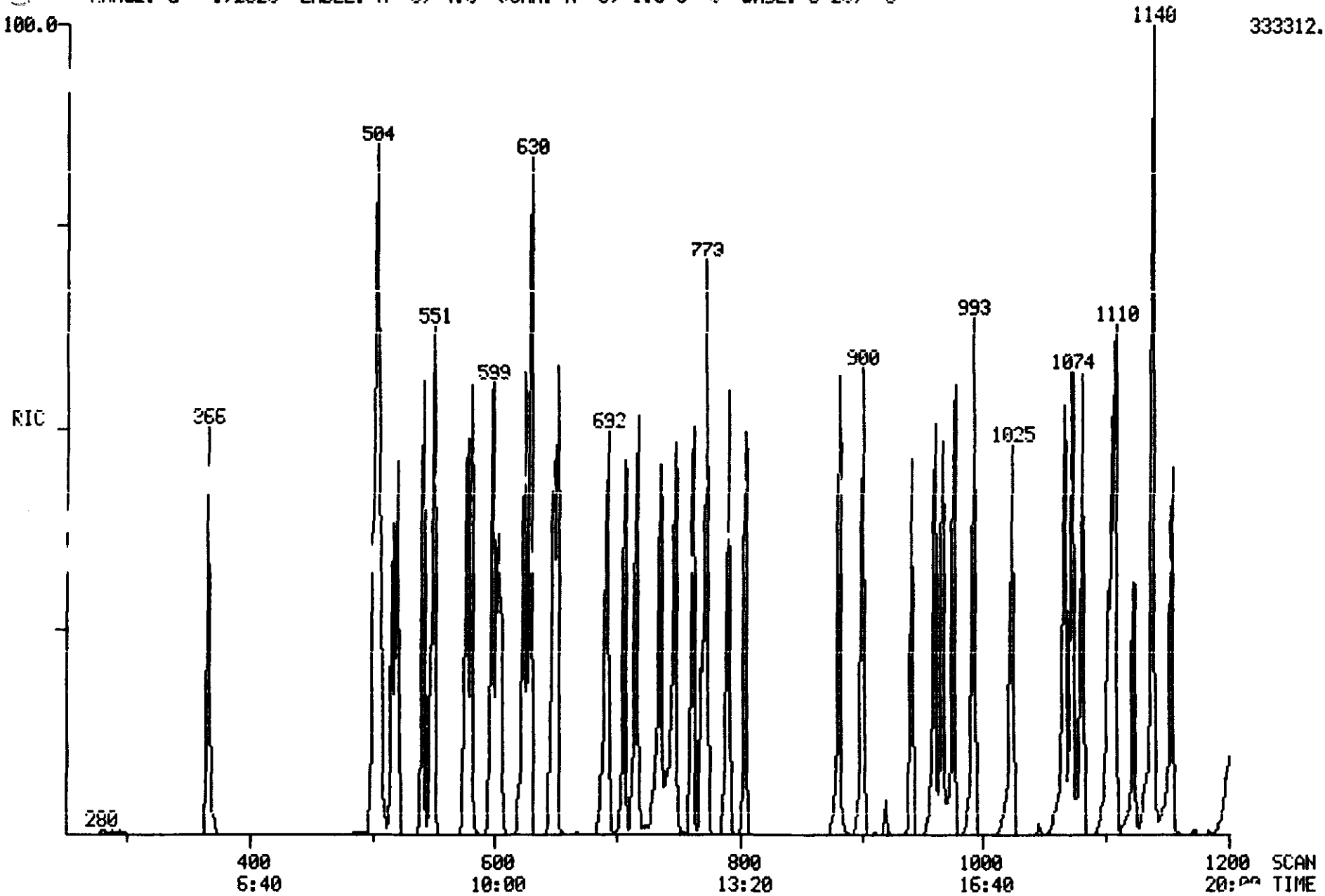
No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	169	1235	20:35	31	1.122	A BB	82270.	80.000 NG	1.35
52	248	1301	21:41	31	1.182	A BB	37698.	80.000 NG	1.35
53	284	1326	22:06	31	1.204	A BB	44324.	80.000 NG	1.35
54	172	975	16:15	31	0.886	A BB	100749.	80.000 NG*B2	1.35
55	188	1386	23:06	55	1.000	A BB	80782.	40.000 NG/UL	0.68
56	266	1363	22:43	55	0.983	A BB	25637.	80.000 NG.	1.35
57	178	1391	23:11	55	1.004	A BV	171019.	80.000 NG	1.35
58	178	1399	23:19	55	1.009	A VB	162544.	80.000 NG	1.35
59	149	1516	25:16	55	1.094	A BV	266470.	80.000 NG	1.35
60	202	1623	27:03	55	1.171	A BB	173889.	80.000 NG	1.35
61	202	1667	27:47	63	0.876	A BB	169269.	80.000 NG.	1.35
62	330	1256	20:56	31	1.141	A BB	24816.	80.000 NG*A3	1.35
63	240	1904	31:44	63	1.000	A BB	64051.	40.000 NG/UL	0.68
64	149	1809	30:09	63	0.950	A BB	104320.	80.000 NG	1.35
65	228	1901	31:41	63	0.998	A BV	132512.	80.000 NG	1.35
66	228	1909	31:49	63	1.003	A VB	91112.	80.000 NG	1.35

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	1902	31:42	63	0.999	A BB	40743.	80.000	NG	1.35
68	149	1919	31:59	63	1.008	A BB	140652.	80.000	NG	1.35
69	244	1703	28:23	63	0.894	A BB	115309.	80.000	NG*B3	1.35
70	264	2213	36:53	70	1.000	A BB	51458.	40.000	NG/UL	0.68
71	149	2031	33:51	70	0.918	A BB	226991.	80.000	NG	1.35
72	252	2116	35:16	70	0.956	A BV	124381.	80.000	NG	1.35
73	252	2122	35:22	70	0.959	A VB	96333.	80.000	NG	1.35
74	252	2199	36:39	70	0.994	A BB	108866.	80.000	NG	1.35
75	276	2579	42:59	70	1.165	A BV	93014.	80.000	NG	1.35
76	278	2589	43:09	70	1.170	A BB	84260.	80.000	NG	1.35
77	276	2691	44:51	70	1.216	A BB	91596.	80.000	NG	1.35

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:35	1.00	1.122	1.00	80.00	80.00	1.026	1.026	1.00
52	21:41	1.00	1.182	1.00	80.00	80.00	0.470	0.470	1.00
53	22:06	1.00	1.204	1.00	80.00	80.00	0.553	0.553	1.00
54	16:15	1.00	0.886	1.00	80.00	80.00	1.257	1.257	1.00
55	23:06	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:43	1.00	0.983	1.00	80.00	80.00	0.159	0.159	1.00
57	23:11	1.00	1.004	1.00	80.00	80.00	1.059	1.059	1.00
58	23:19	1.00	1.009	1.00	80.00	80.00	1.006	1.006	1.00
59	25:16	1.00	1.094	1.00	80.00	80.00	1.649	1.649	1.00
60	27:03	1.00	1.171	1.00	80.00	80.00	1.076	1.076	1.00
61	27:47	1.00	0.876	1.00	80.00	80.00	1.321	1.321	1.00
62	20:56	1.00	1.141	1.00	80.00	80.00	0.310	0.310	1.00
63	31:44	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	30:09	1.00	0.950	1.00	80.00	80.00	0.814	0.814	1.00
65	31:41	1.00	0.998	1.00	80.00	80.00	1.034	1.034	1.00
66	31:49	1.00	1.003	1.00	80.00	80.00	0.711	0.711	1.00
67	31:42	1.00	0.999	1.00	80.00	80.00	0.318	0.318	1.00
68	31:59	1.00	1.008	1.00	80.00	80.00	1.098	1.098	1.00
69	28:23	1.00	0.894	1.00	80.00	80.00	0.900	0.900	1.00
70	36:53	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:51	1.00	0.918	1.00	80.00	80.00	2.206	2.206	1.00
72	35:16	1.00	0.956	1.00	80.00	80.00	1.209	1.209	1.00
73	35:22	1.00	0.959	1.00	80.00	80.00	0.936	0.936	1.00
74	36:39	1.00	0.994	1.00	80.00	80.00	1.058	1.058	1.00
75	42:59	1.00	1.165	1.00	80.00	80.00	0.904	0.904	1.00
76	43:09	1.00	1.170	1.00	80.00	80.00	0.819	0.819	1.00
77	44:51	1.00	1.216	1.00	80.00	80.00	0.890	0.890	1.00

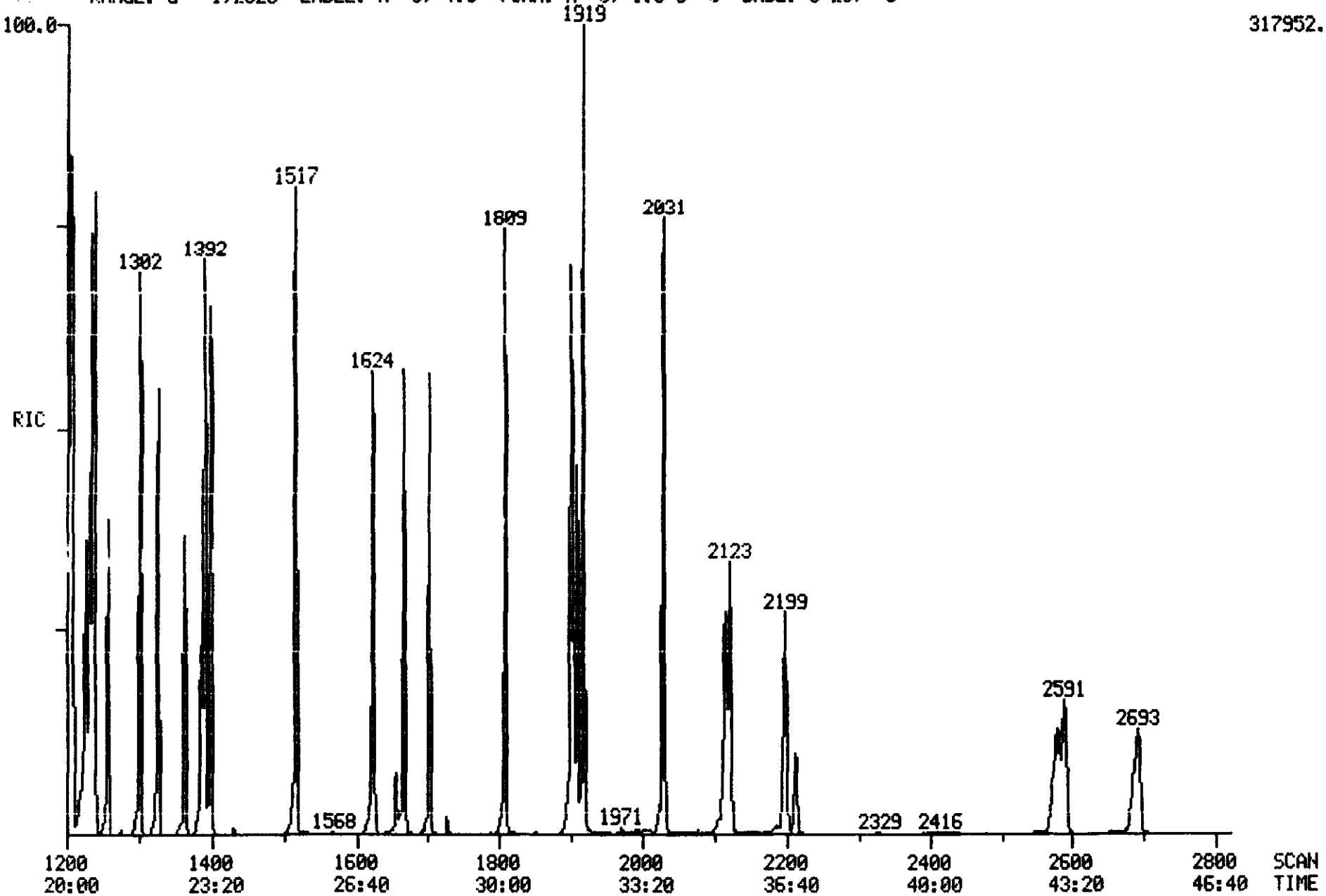
RIC DATA: T2571 #1 SCANS 250 TO 1200
05/14/90 19:50:00 CALI: T2571 #2
SAMPLE: CLP,,,SSTD120,,,22660,B,IC120,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: C 1,2820 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



200039

RIC DATA: T2571 #1 SCANS 1200 TO 2820
05/14/90 19:50:00 CALI: T2571 #2
SAMPLE: CLP,,,SSTD120,,,22660,B,IC120,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302C@C/MIN
RANGE: G 1,2820 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

200040



Quantitation Report File: T2571

Data: T2571.TI
05/14/90 19:50:00
Sample: CLP,,,SSTD120,,,22660,B,IC120,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: ---

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	548	9:08	1	1.000	A BB	17383.	40.000	NG/UL	0.16
2	128	520	8:40	1	0.949	A BB	63449.	120.000	NG.	1.37
3	94	504	8:24	1	0.920	A BB	96354.	120.000	NG.	1.37
4	93	517	8:37	1	0.943	A VB	81538.	120.000	NG	1.37
5	146	542	9:02	1	0.989	A BB	73469.	120.000	NG	1.37
6	146	551	9:11	1	1.005	A BB	76936.	120.000	NG.	1.37
7	146	581	9:41	1	1.060	A BB	71388.	120.000	NG	1.37
8	108	578	9:38	1	1.055	A BB	47802.	120.000	NG	1.37
9	45	603	10:03	1	1.100	A BB	193597.	120.000	NG	1.37
10	108	598	9:58	1	1.091	A BB	67373.	120.000	NG	1.37
11	117	630	10:30	1	1.150	A BB	42734.	120.000	NG	1.37
12	108	624	10:24	1	1.139	A BB	70923.	120.000	NG	1.37
13	70	629	10:29	1	1.148	A BB	92744.	120.000	NG.	1.37
14	112	366	6:06	1	0.668	A BB	60406.	120.000	NG*A1	1.37
15	99	502	8:22	1	0.916	A BB	83036.	120.000	NG*A2	1.37
16	136	769	12:49	16	1.000	A BB	55552.	40.000	NG/UL	0.16
17	77	652	10:52	16	0.848	A BB	126325.	120.000	NG	1.37
18	82	692	11:32	16	0.900	A BB	217390.	120.000	NG	1.37
19	139	706	11:46	16	0.918	A BB	41393.	120.000	NG	1.37
20	107	716	11:56	16	0.931	A BB	91263.	120.000	NG	1.37
21	93	735	12:15	16	0.956	A BB	121459.	120.000	NG	1.37
22	162	747	12:27	16	0.971	A BB	63349.	120.000	NG	1.37
23	180	761	12:41	16	0.990	A BB	66943.	120.000	NG.	1.37
24	128	773	12:53	16	1.005	A BB	210869.	120.000	NG	1.37
25	122	744	12:24	16	0.967	A BB	31434.	120.000	NG	1.37
26	127	791	13:11	16	1.029	A BB	96897.	120.000	NG	1.37
27	225	804	13:24	16	1.046	A BB	43399.	120.000	NG	1.37
28	107	881	14:41	16	1.146	A BB	91248.	120.000	NG.	1.37
29	142	900	15:00	16	1.170	A BB	130566.	120.000	NG	1.37
30	82	649	10:49	16	0.844	A BB	121065.	120.000	NG*B1	1.37
31	164	1102	18:22	31	1.000	A BB	39921.	40.000	NG/UL	0.16
32	237	942	15:42	31	0.855	A BB	53150.	120.000	NG	1.37
33	196	961	16:01	31	0.872	A BV	51235.	120.000	NG	1.37
34	196	967	16:07	31	0.877	A VB	47415.	120.000	NG	1.37
35	162	993	16:33	31	0.901	A BB	137962.	120.000	NG	1.37
36	65	1025	17:05	31	0.930	A BB	105581.	120.000	NG	1.37
37	152	1073	17:53	31	0.974	A BB	228235.	120.000	NG	1.37
38	163	1067	17:47	31	0.968	A BB	179144.	120.000	NG	1.37
39	165	1082	18:02	31	0.982	A VB	45401.	120.000	NG	1.37
40	153	1110	18:30	31	1.007	A BB	140845.	120.000	NG.	1.37
41	138	1106	18:26	31	1.004	A BB	53153.	120.000	NG	1.37
42	184	1124	18:44	31	1.020	A BB	29890.	120.000	NG	1.37
43	168	1140	19:00	31	1.034	A BB	200762.	120.000	NG	1.37
44	109	1140	19:00	31	1.034	A BB	40911.	120.000	NG.	1.37
45	165	1155	19:15	31	1.048	A BB	61185.	120.000	NG.	1.37
46	166	1206	20:06	31	1.094	A BB	158326.	120.000	NG	1.37
47	204	1209	20:09	31	1.097	A BB	81925.	120.000	NG	1.37
48	149	1204	20:04	31	1.093	A BB	210613.	120.000	NG	1.37
49	138	1227	20:27	31	1.113	A BV	43477.	120.000	NG	1.37
50	198	1232	20:32	31	1.118	A BB	35896.	120.000	NG	1.37

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	9:08	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:40	1.00	0.949	1.00	120.00	120.00	1.217	1.217	1.00
3	8:24	1.00	0.920	1.00	120.00	120.00	1.848	1.848	1.00
4	8:37	1.00	0.943	1.00	120.00	120.00	1.564	1.564	1.00
5	9:02	1.00	0.989	1.00	120.00	120.00	1.409	1.409	1.00
6	9:11	1.00	1.005	1.00	120.00	120.00	1.475	1.475	1.00
7	9:41	1.00	1.060	1.00	120.00	120.00	1.369	1.369	1.00
8	9:38	1.00	1.055	1.00	120.00	120.00	0.917	0.917	1.00
9	10:03	1.00	1.100	1.00	120.00	120.00	3.712	3.712	1.00
10	9:58	1.00	1.091	1.00	120.00	120.00	1.292	1.292	1.00
11	10:30	1.00	1.150	1.00	120.00	120.00	0.819	0.819	1.00
12	10:24	1.00	1.139	1.00	120.00	120.00	1.360	1.360	1.00
13	10:29	1.00	1.148	1.00	120.00	120.00	1.778	1.778	1.00
14	6:06	1.00	0.668	1.00	120.00	120.00	1.158	1.158	1.00
15	8:22	1.00	0.916	1.00	120.00	120.00	1.592	1.592	1.00
16	12:49	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:52	1.00	0.848	1.00	120.00	120.00	0.758	0.758	1.00
18	11:32	1.00	0.900	1.00	120.00	120.00	1.304	1.304	1.00
19	11:46	1.00	0.918	1.00	120.00	120.00	0.248	0.248	1.00
20	11:56	1.00	0.931	1.00	120.00	120.00	0.548	0.548	1.00
21	12:15	1.00	0.956	1.00	120.00	120.00	0.729	0.729	1.00
22	12:27	1.00	0.971	1.00	120.00	120.00	0.380	0.380	1.00
23	12:41	1.00	0.990	1.00	120.00	120.00	0.402	0.402	1.00
24	12:53	1.00	1.005	1.00	120.00	120.00	1.265	1.265	1.00
25	12:24	1.00	0.967	1.00	120.00	120.00	0.189	0.189	1.00
26	13:11	1.00	1.029	1.00	120.00	120.00	0.581	0.581	1.00
27	13:24	1.00	1.046	1.00	120.00	120.00	0.260	0.260	1.00
28	14:41	1.00	1.146	1.00	120.00	120.00	0.548	0.548	1.00
29	15:00	1.00	1.170	1.00	120.00	120.00	0.783	0.783	1.00
30	10:49	1.00	0.844	1.00	120.00	120.00	0.726	0.726	1.00
31	18:22	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:42	1.00	0.855	1.00	120.00	120.00	0.444	0.444	1.00
33	16:01	1.00	0.872	1.00	120.00	120.00	0.428	0.428	1.00
34	16:07	1.00	0.877	1.00	120.00	120.00	0.396	0.396	1.00
35	16:33	1.00	0.901	1.00	120.00	120.00	1.152	1.152	1.00
36	17:05	1.00	0.930	1.00	120.00	120.00	0.882	0.882	1.00
37	17:53	1.00	0.974	1.00	120.00	120.00	1.906	1.906	1.00
38	17:47	1.00	0.968	1.00	120.00	120.00	1.496	1.496	1.00
39	18:02	1.00	0.982	1.00	120.00	120.00	0.379	0.379	1.00
40	18:30	1.00	1.007	1.00	120.00	120.00	1.176	1.176	1.00
41	18:26	1.00	1.004	1.00	120.00	120.00	0.444	0.444	1.00
42	18:44	1.00	1.020	1.00	120.00	120.00	0.250	0.250	1.00
43	19:00	1.00	1.034	1.00	120.00	120.00	1.676	1.676	1.00
44	19:00	1.00	1.034	1.00	120.00	120.00	0.342	0.342	1.00
45	19:15	1.00	1.048	1.00	120.00	120.00	0.511	0.511	1.00
46	20:06	1.00	1.094	1.00	120.00	120.00	1.322	1.322	1.00
47	20:09	1.00	1.097	1.00	120.00	120.00	0.684	0.684	1.00
48	20:04	1.00	1.093	1.00	120.00	120.00	1.759	1.759	1.00
49	20:27	1.00	1.113	1.00	120.00	120.00	0.363	0.363	1.00
50	20:32	1.00	1.118	1.00	120.00	120.00	0.300	0.300	1.00

Quantitation Report File: T2571

Data: T2571.TI
05/14/90 19:50:00
Sample: CLP,,,SSTD120,,,22660,B,IC120,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: ---

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

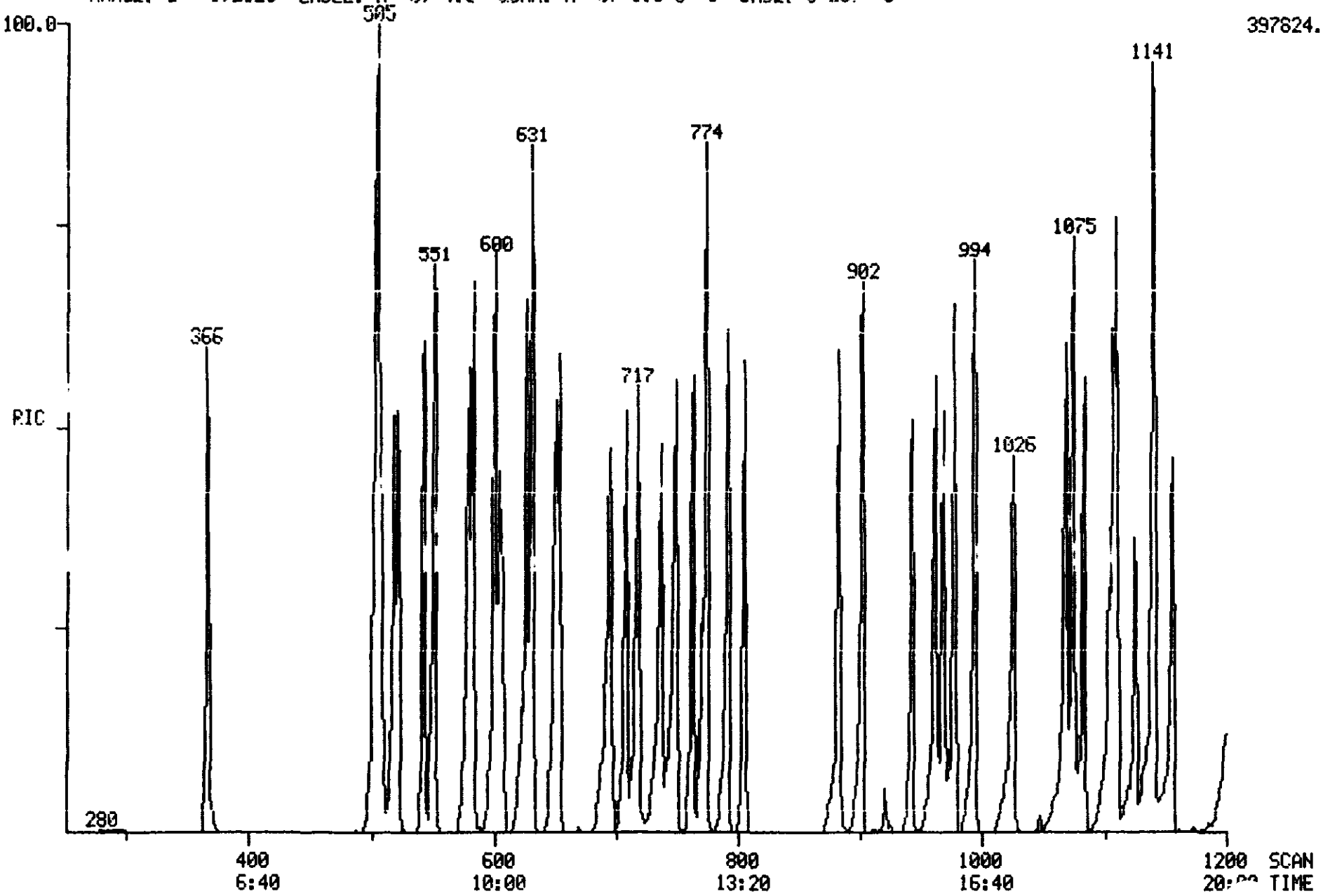
No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	169	1236	20:36	31	1.122	A BB	117439.	120.000	NG	1.37
52	248	1302	21:42	31	1.181	A BB	54025.	120.000	NG	1.37
53	284	1327	22:07	31	1.204	A BB	62867.	120.000	NG	1.37
54	172	976	16:16	31	0.886	A BB	147459.	120.000	NG*B2	1.37
55	188	1386	23:06	55	1.000	A BB	77945.	40.000	NG/UL	0.46
56	266	1364	22:44	55	0.984	A BB	36699.	120.000	NG.	1.37
57	178	1392	23:12	55	1.004	A BV	244789.	120.000	NG	1.37
58	178	1400	23:20	55	1.010	A VB	213274.	120.000	NG	1.37
59	149	1517	25:17	55	1.095	A BB	345461.	120.000	NG	1.37
60	202	1624	27:04	55	1.172	A BB	225257.	120.000	NG	1.37
61	202	1668	27:48	63	0.876	A BB	222089.	120.000	NG.	1.37
62	330	1257	20:57	31	1.141	A BB	34299.	120.000	NG*A3	1.37
63	240	1904	31:44	63	1.000	A VB	58996.	40.000	NG/UL	0.46
64	149	1809	30:09	63	0.950	A BB	147644.	120.000	NG	1.37
65	228	1901	31:41	63	0.998	A BV	191625.	120.000	NG	1.37
66	228	1909	31:49	63	1.003	A VB	125987.	120.000	NG	1.37

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	1902	31:42	63	0.999	A BB	58908.	120.000	NG	1.37
68	149	1918	31:58	63	1.007	A BB	193507.	120.000	NG	1.37
69	244	1703	28:23	63	0.894	A BB	155700.	120.000	NG*B3	1.37
70	264	2213	36:53	70	1.000	A VB	48058.	40.000	NG/UL	0.46
71	149	2031	33:51	70	0.918	A BB	317713.	120.000	NG	1.37
72	252	2116	35:16	70	0.956	A BV	173161.	120.000	NG	1.37
73	252	2123	35:23	70	0.959	A VB	137612.	120.000	NG	1.37
74	252	2199	36:39	70	0.994	A VB	147877.	120.000	NG	1.37
75	276	2580	43:00	70	1.166	A BV	139361.	120.000	NG	1.37
76	278	2591	43:11	70	1.171	A BB	129607.	120.000	NG	1.37
77	276	2693	44:53	70	1.217	A BB	139583.	120.000	NG	1.37

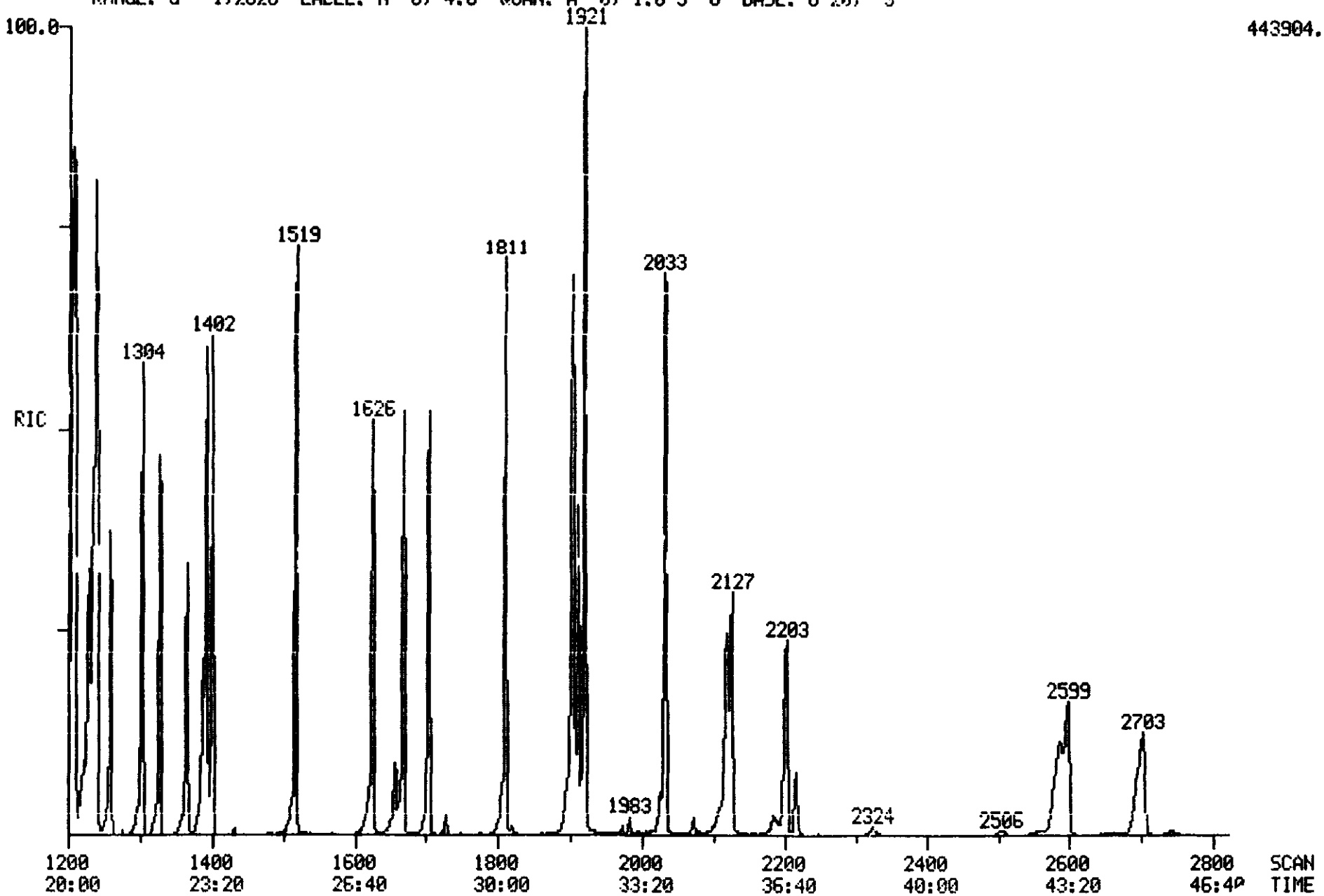
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:36	1.00	1.122	1.00	120.00	120.00	0.981	0.981	1.00
52	21:42	1.00	1.181	1.00	120.00	120.00	0.451	0.451	1.00
53	22:07	1.00	1.204	1.00	120.00	120.00	0.525	0.525	1.00
54	16:16	1.00	0.886	1.00	120.00	120.00	1.231	1.231	1.00
55	23:06	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:44	1.00	0.984	1.00	120.00	120.00	0.157	0.157	1.00
57	23:12	1.00	1.004	1.00	120.00	120.00	1.047	1.047	1.00
58	23:20	1.00	1.010	1.00	120.00	120.00	0.912	0.912	1.00
59	25:17	1.00	1.095	1.00	120.00	120.00	1.477	1.477	1.00
60	27:04	1.00	1.172	1.00	120.00	120.00	0.963	0.963	1.00
61	27:48	1.00	0.876	1.00	120.00	120.00	1.255	1.255	1.00
62	20:57	1.00	1.141	1.00	120.00	120.00	0.286	0.286	1.00
63	31:44	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	30:09	1.00	0.950	1.00	120.00	120.00	0.834	0.834	1.00
65	31:41	1.00	0.998	1.00	120.00	120.00	1.083	1.083	1.00
66	31:49	1.00	1.003	1.00	120.00	120.00	0.712	0.712	1.00
67	31:42	1.00	0.999	1.00	120.00	120.00	0.333	0.333	1.00
68	31:58	1.00	1.007	1.00	120.00	120.00	1.093	1.093	1.00
69	28:23	1.00	0.894	1.00	120.00	120.00	0.880	0.880	1.00
70	36:53	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:51	1.00	0.918	1.00	120.00	120.00	2.204	2.204	1.00
72	35:16	1.00	0.956	1.00	120.00	120.00	1.201	1.201	1.00
73	35:23	1.00	0.959	1.00	120.00	120.00	0.954	0.954	1.00
74	36:39	1.00	0.994	1.00	120.00	120.00	1.026	1.026	1.00
75	43:00	1.00	1.166	1.00	120.00	120.00	0.967	0.967	1.00
76	43:11	1.00	1.171	1.00	120.00	120.00	0.899	0.899	1.00
77	44:53	1.00	1.217	1.00	120.00	120.00	0.968	0.968	1.00

RIC DATA: T2570 #1 SCANS 250 TO 1200
05/14/90 18:56:00 CALI: T2570 #2
SAMPLE. CLP,,,SSTD160,,,22653,B,IC160,,1UL
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN038C TO 30208C/MIN
RANGE: G 1,2820 LABEL: N 0, 4.0 CUAN: A 0, 1.0 J 0 BASE: U 20, 3



200046

RIC DATA: T2570 #1 SCANS 1200 TO 2820
05/14/90 18:56:00 CALI: T2570 #2
SAMPLE: CLP,,,SSTD160,,,22659,B,IC160,,1UL
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
RANGE: G 1,2820 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



000047

Quantitation Report File: T2570

Data: T2570.TI
05/14/90 18:56:00
Sample: CLP,,,SSTD160,,,22659,B,IC160,,1UL
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: --

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	548	9:08	1	1.000	A BB	20282.	40.000	NG/UL	0.34
2	128	521	8:41	1	0.951	A BB	102825.	160.000	NG.	1.38
3	94	505	8:25	1	0.922	A BV	151079.	160.000	NG.	1.38
4	93	518	8:38	1	0.945	A VB	127377.	160.000	NG	1.38
5	146	542	9:02	1	0.989	A BV	115936.	160.000	NG	1.38
6	146	551	9:11	1	1.005	A VB	118346.	160.000	NG.	1.38
7	146	582	9:42	1	1.062	A BB	111135.	160.000	NG	1.38
8	108	579	9:39	1	1.057	A BB	75320.	160.000	NG	1.38
9	45	604	10:04	1	1.102	A BB	290105.	160.000	NG	1.38
10	108	600	10:00	1	1.095	A BB	105561.	160.000	NG	1.38
11	117	630	10:30	1	1.150	A BB	64706.	160.000	NG	1.38
12	108	626	10:26	1	1.142	A BB	112812.	160.000	NG	1.38
13	70	632	10:32	1	1.153	A BB	141991.	160.000	NG.	1.38
14	112	366	6:06	1	0.668	A BB	92303.	160.000	NG*A1	1.38
15	99	503	8:23	1	0.918	A BB	131614.	160.000	NG*A2	1.38
16	136	770	12:50	16	1.000	A BB	65796.	40.000	NG/UL	0.34
17	77	653	10:53	16	0.848	A BB	197046.	160.000	NG	1.38
18	82	694	11:34	16	0.901	A BB	347501.	160.000	NG	1.38
19	139	707	11:47	16	0.918	A BB	66477.	160.000	NG	1.38
20	107	717	11:57	16	0.931	A BB	147672.	160.000	NG	1.38
21	93	736	12:16	16	0.956	A BB	196639.	160.000	NG	1.38
22	162	748	12:28	16	0.971	A BB	99941.	160.000	NG	1.38
23	180	762	12:42	16	0.990	A BB	99439.	160.000	NG.	1.38
24	128	774	12:54	16	1.005	A BB	319615.	160.000	NG	1.38
25	122	748	12:28	16	0.971	A BB	41503.	160.000	NG	1.38
26	127	792	13:12	16	1.029	A BB	154504.	160.000	NG	1.38
27	225	805	13:25	16	1.045	A BB	61914.	160.000	NG	1.38
28	107	882	14:42	16	1.145	A BB	144217.	160.000	NG.	1.38
29	142	902	15:02	16	1.171	A BB	199678.	160.000	NG	1.38
30	82	650	10:50	16	0.844	A BB	186015.	160.000	NG*B1	1.38
31	164	1104	18:24	31	1.000	A BB	45409.	40.000	NG/UL	0.34
32	237	942	15:42	31	0.853	A BB	78981.	160.000	NG	1.38
33	196	962	16:02	31	0.871	A BV	78920.	160.000	NG	1.38
34	196	968	16:08	31	0.877	A VB	63954.	160.000	NG	1.38
35	162	994	16:34	31	0.900	A BB	206261.	160.000	NG	1.38
36	65	1026	17:06	31	0.929	A BB	160195.	160.000	NG	1.38
37	152	1075	17:55	31	0.974	A BB	342668.	160.000	NG	1.38
38	163	1069	17:49	31	0.968	A BB	259281.	160.000	NG	1.38
39	165	1083	18:03	31	0.981	A VB	65416.	160.000	NG	1.38
40	153	1111	18:31	31	1.006	A BB	206047.	160.000	NG.	1.38
41	138	1108	18:28	31	1.004	A BB	77777.	160.000	NG	1.38
42	184	1126	18:46	31	1.020	A BB	46771.	160.000	NG	1.38
43	168	1141	19:01	31	1.034	A BB	294406.	160.000	NG	1.38
44	109	1142	19:02	31	1.034	A BB	54793.	160.000	NG.	1.38
45	165	1157	19:17	31	1.048	A BB	88276.	160.000	NG.	1.38
46	166	1208	20:08	31	1.094	A BB	226882.	160.000	NG	1.38
47	204	1210	20:10	31	1.096	A BB	115497.	160.000	NG	1.38
48	149	1205	20:05	31	1.091	A BB	294808.	160.000	NG	1.38
49	138	1229	20:29	31	1.113	A BB	56864.	160.000	NG	1.38
50	198	1234	20:34	31	1.118	A VB	36326.	160.000	NG	1.38

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	9:08	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:41	1.00	0.951	1.00	160.00	160.00	1.267	1.267	1.00
3	8:25	1.00	0.922	1.00	160.00	160.00	1.862	1.862	1.00
4	8:38	1.00	0.945	1.00	160.00	160.00	1.570	1.570	1.00
5	9:02	1.00	0.989	1.00	160.00	160.00	1.429	1.429	1.00
6	9:11	1.00	1.005	1.00	160.00	160.00	1.459	1.459	1.00
7	9:42	1.00	1.062	1.00	160.00	160.00	1.370	1.370	1.00
8	9:39	1.00	1.057	1.00	160.00	160.00	0.928	0.928	1.00
9	10:04	1.00	1.102	1.00	160.00	160.00	3.576	3.576	1.00
10	10:00	1.00	1.095	1.00	160.00	160.00	1.301	1.301	1.00
11	10:30	1.00	1.150	1.00	160.00	160.00	0.798	0.798	1.00
12	10:26	1.00	1.142	1.00	160.00	160.00	1.391	1.391	1.00
13	10:32	1.00	1.153	1.00	160.00	160.00	1.750	1.750	1.00
14	6:06	1.00	0.668	1.00	160.00	160.00	1.138	1.138	1.00
15	8:23	1.00	0.918	1.00	160.00	160.00	1.622	1.622	1.00
16	12:50	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:53	1.00	0.848	1.00	160.00	160.00	0.749	0.749	1.00
18	11:34	1.00	0.901	1.00	160.00	160.00	1.320	1.320	1.00
19	11:47	1.00	0.918	1.00	160.00	160.00	0.253	0.253	1.00
20	11:57	1.00	0.931	1.00	160.00	160.00	0.561	0.561	1.00
21	12:16	1.00	0.956	1.00	160.00	160.00	0.747	0.747	1.00
22	12:28	1.00	0.971	1.00	160.00	160.00	0.380	0.380	1.00
23	12:42	1.00	0.990	1.00	160.00	160.00	0.378	0.378	1.00
24	12:54	1.00	1.005	1.00	160.00	160.00	1.214	1.214	1.00
25	12:28	1.00	0.971	1.00	160.00	160.00	0.158	0.158	1.00
26	13:12	1.00	1.029	1.00	160.00	160.00	0.587	0.587	1.00
27	13:25	1.00	1.045	1.00	160.00	160.00	0.235	0.235	1.00
28	14:42	1.00	1.145	1.00	160.00	160.00	0.548	0.548	1.00
29	15:02	1.00	1.171	1.00	160.00	160.00	0.759	0.759	1.00
30	10:50	1.00	0.844	1.00	160.00	160.00	0.707	0.707	1.00
31	18:24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:42	1.00	0.853	1.00	160.00	160.00	0.435	0.435	1.00
33	16:02	1.00	0.871	1.00	160.00	160.00	0.434	0.434	1.00
34	16:08	1.00	0.877	1.00	160.00	160.00	0.352	0.352	1.00
35	16:34	1.00	0.900	1.00	160.00	160.00	1.136	1.136	1.00
36	17:06	1.00	0.929	1.00	160.00	160.00	0.882	0.882	1.00
37	17:55	1.00	0.974	1.00	160.00	160.00	1.887	1.887	1.00
38	17:49	1.00	0.968	1.00	160.00	160.00	1.427	1.427	1.00
39	18:03	1.00	0.981	1.00	160.00	160.00	0.360	0.360	1.00
40	18:31	1.00	1.006	1.00	160.00	160.00	1.134	1.134	1.00
41	18:28	1.00	1.004	1.00	160.00	160.00	0.428	0.428	1.00
42	18:46	1.00	1.020	1.00	160.00	160.00	0.257	0.257	1.00
43	19:01	1.00	1.034	1.00	160.00	160.00	1.621	1.621	1.00
44	19:02	1.00	1.034	1.00	160.00	160.00	0.302	0.302	1.00
45	19:17	1.00	1.048	1.00	160.00	160.00	0.486	0.486	1.00
46	20:08	1.00	1.094	1.00	160.00	160.00	1.249	1.249	1.00
47	20:10	1.00	1.096	1.00	160.00	160.00	0.636	0.636	1.00
48	20:05	1.00	1.091	1.00	160.00	160.00	1.623	1.623	1.00
49	20:29	1.00	1.113	1.00	160.00	160.00	0.313	0.313	1.00
50	20:34	1.00	1.118	1.00	160.00	160.00	0.200	0.200	1.00

Quantitation Report File: T2570

Data: T2570.TI
05/14/90 18:56:00
Sample: CLP,,,SSTD160,,,22659,B,IC160,,1UL
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
ormula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: --

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

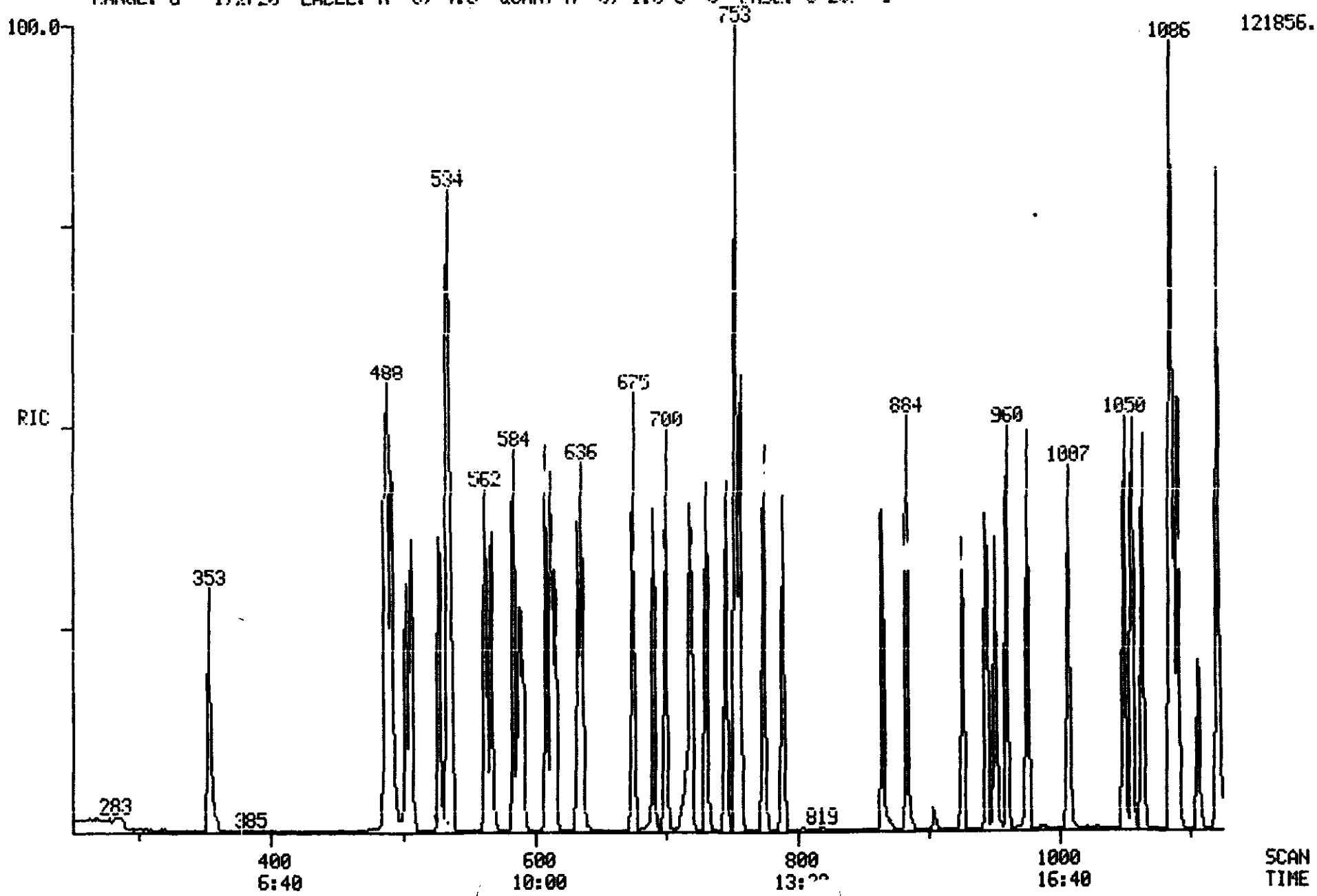
No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	169	1238	20:38	31	1.121	A BB	167955.	160.000	NG	1.38
52	248	1303	21:43	31	1.180	A BB	78410.	160.000	NG	1.38
53	284	1328	22:08	31	1.203	A BB	89603.	160.000	NG	1.38
54	172	978	16:18	31	0.886	A BB	215882.	160.000	NG*B2	1.38
55	188	1388	23:08	55	1.000	A BB	85615.	40.000	NG/UL	0.34
56	266	1365	22:45	55	0.983	A BB	55455.	160.000	NG.	1.38
57	178	1393	23:13	55	1.004	A BV	340098.	160.000	NG	1.38
58	178	1402	23:22	55	1.010	A VB	277988.	160.000	NG	1.38
59	149	1519	25:19	55	1.094	A BB	459053.	160.000	NG	1.38
60	202	1626	27:06	55	1.171	A BB	300116.	160.000	NG	1.38
61	202	1670	27:50	63	0.876	A BB	303471.	160.000	NG.	1.38
62	330	1259	20:59	31	1.140	A BB	49198.	160.000	NG*A3	1.38
63	240	1906	31:46	63	1.000	A VB	60818.	40.000	NG/UL	0.34
64	149	1811	30:11	63	0.950	A BB	205802.	160.000	NG	1.38
65	228	1903	31:43	63	0.998	A BV	279375.	160.000	NG	1.38
66	228	1911	31:51	63	1.003	A VB	162429.	160.000	NG	1.38

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	1904	31:44	63	0.999	A BB	77082.	160.000	NG	1.38
68	149	1921	32:01	63	1.008	A VB	281407.	160.000	NG	1.38
69	244	1705	28:25	63	0.895	A BB	212033.	160.000	NG*B3	1.38
70	264	2216	36:56	70	1.000	A VB	51864.	40.000	NG/UL	0.34
71	149	2033	33:53	70	0.917	A VB	388751.	160.000	NG	1.38
72	252	2120	35:20	70	0.957	A BV	241287.	160.000	NG	1.38
73	252	2126	35:26	70	0.959	A VB	187902.	160.000	NG	1.38
74	252	2203	36:43	70	0.994	A VB	202203.	160.000	NG	1.38
75	276	2587	43:07	70	1.167	A BV	199186.	160.000	NG	1.38
76	278	2599	43:19	70	1.173	A BB	185883.	160.000	NG	1.38
77	276	2703	45:03	70	1.220	A BB	195194.	160.000	NG	1.38

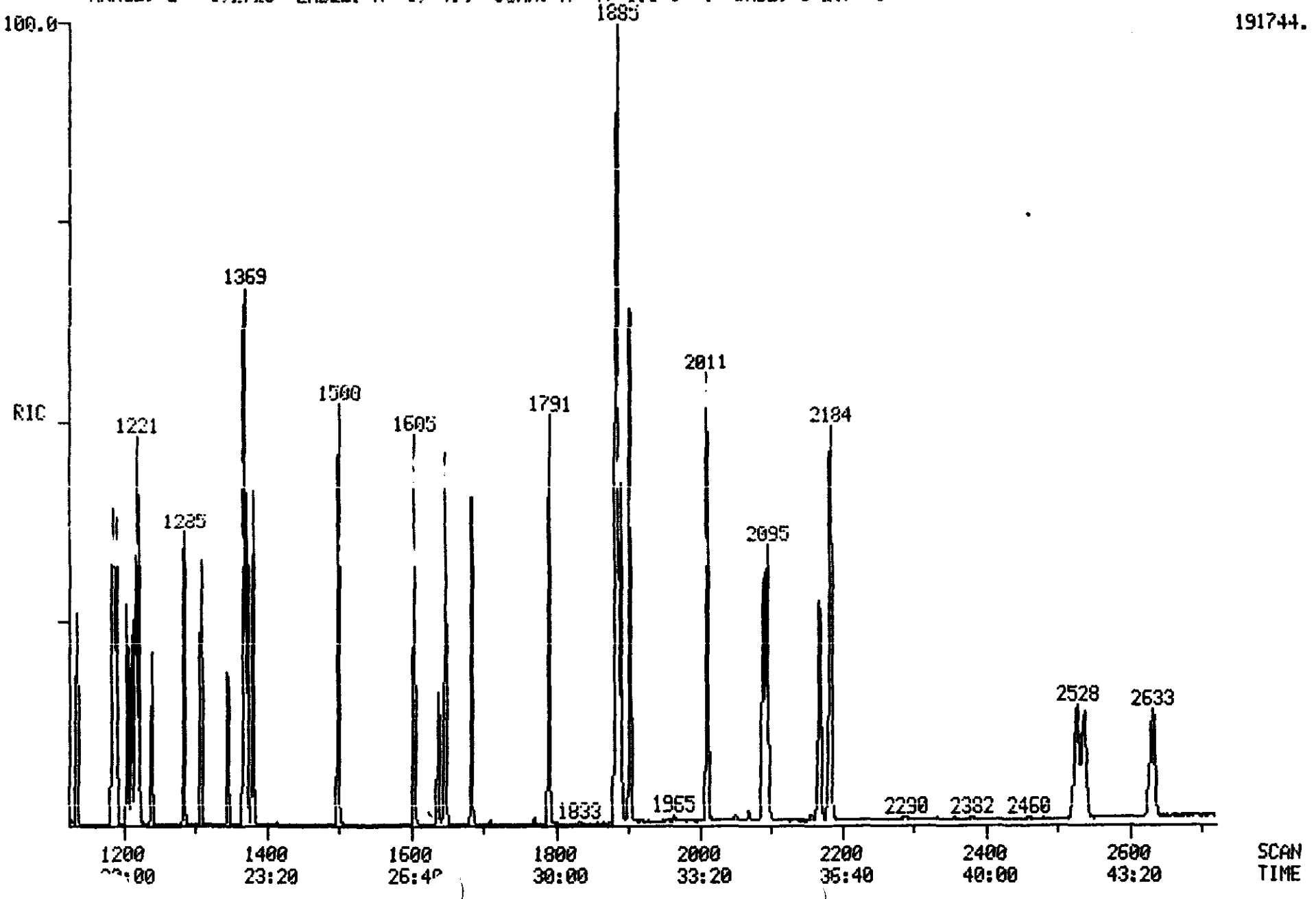
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:38	1.00	1.121	1.00	160.00	160.00	0.925	0.925	1.00
52	21:43	1.00	1.180	1.00	160.00	160.00	0.432	0.432	1.00
53	22:08	1.00	1.203	1.00	160.00	160.00	0.493	0.493	1.00
54	16:18	1.00	0.886	1.00	160.00	160.00	1.189	1.189	1.00
55	23:08	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:45	1.00	0.983	1.00	160.00	160.00	0.162	0.162	1.00
57	23:13	1.00	1.004	1.00	160.00	160.00	0.993	0.993	1.00
58	23:22	1.00	1.010	1.00	160.00	160.00	0.812	0.812	1.00
59	25:19	1.00	1.094	1.00	160.00	160.00	1.340	1.340	1.00
60	27:06	1.00	1.171	1.00	160.00	160.00	0.876	0.876	1.00
61	27:50	1.00	0.876	1.00	160.00	160.00	1.247	1.247	1.00
62	20:59	1.00	1.140	1.00	160.00	160.00	0.271	0.271	1.00
63	31:46	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	30:11	1.00	0.950	1.00	160.00	160.00	0.846	0.846	1.00
65	31:43	1.00	0.998	1.00	160.00	160.00	1.148	1.148	1.00
66	31:51	1.00	1.003	1.00	160.00	160.00	0.668	0.668	1.00
67	31:44	1.00	0.999	1.00	160.00	160.00	0.317	0.317	1.00
68	32:01	1.00	1.008	1.00	160.00	160.00	1.157	1.157	1.00
69	28:25	1.00	0.895	1.00	160.00	160.00	0.872	0.872	1.00
70	36:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:53	1.00	0.917	1.00	160.00	160.00	1.874	1.874	1.00
72	35:20	1.00	0.957	1.00	160.00	160.00	1.163	1.163	1.00
73	35:26	1.00	0.959	1.00	160.00	160.00	0.906	0.906	1.00
74	36:43	1.00	0.994	1.00	160.00	160.00	0.975	0.975	1.00
75	43:07	1.00	1.167	1.00	160.00	160.00	0.960	0.960	1.00
76	43:19	1.00	1.173	1.00	160.00	160.00	0.896	0.896	1.00
77	45:03	1.00	1.220	1.00	160.00	160.00	0.941	0.941	1.00

RIC DATA: T2628 #1 SCANS 250 TO 1125
05/16/90 21:32:00 CALI: T2628 #2
SAMPLE. CLP,,.SSTD20,,,22662,B,IC20,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: C 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 PASE: U 20, 3



200054

RIC DATA: T2628 #1 SCANS 1125 TO 2720
05/16/90 21:32:00 CALI: T2628 #2
SAMPLE: CLP,,,SSTD20,,,22662,B,IC20,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: T2628

Data: T2628.TI
05/16/90 21:32:00
Sample: CLP,,,SSTD20,,,22662,B,IC20,,1UL,
onds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: - -

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	534	8:54	1	1.000	A BB	26734.	40.000	NG/UL	2.41
2	128	506	8:26	1	0.948	A BB	19226.	20.000	NG.	1.20
3	94	488	8:08	1	0.914	A BB	31493.	20.000	NG.	1.20
4	93	502	8:22	1	0.940	A VB	26112.	20.000	NG	1.20
5	146	527	8:47	1	0.987	A BB	20494.	20.000	NG	1.20
6	146	536	8:56	1	1.004	A BB	21652.	20.000	NG.	1.20
7	146	566	9:26	1	1.060	A BB	19716.	20.000	NG	1.20
8	108	562	9:22	1	1.052	A BB	13759.	20.000	NG	1.20
9	45	588	9:48	1	1.101	A BB	51081.	20.000	NG	1.20
10	108	584	9:44	1	1.094	A BB	20776.	20.000	NG	1.20
11	117	615	10:15	1	1.152	A BB	11690.	20.000	NG	1.20
12	108	608	10:08	1	1.139	A BB	21077.	20.000	NG	1.20
13	70	612	10:12	1	1.146	A BB	21784.	20.000	NG.	1.20
14	112	353	5:53	1	0.661	A BB	19228.	20.000	NG*A1	1.20
15	99	486	8:06	1	0.910	A BB	27114.	20.000	NG*A2	1.20
16	136	753	12:33	16	1.000	A BB	84808.	40.000	NG/UL	2.41
17	77	636	10:36	16	0.845	A BB	33778.	20.000	NG	1.20
18	82	675	11:15	16	0.896	A BB	57398.	20.000	NG	1.20
19	139	691	11:31	16	0.918	A BB	10092.	20.000	NG	1.20
20	107	700	11:40	16	0.930	A BB	22201.	20.000	NG	1.20
21	93	719	11:59	16	0.955	A BB	33878.	20.000	NG	1.20
22	162	731	12:11	16	0.971	A BB	14987.	20.000	NG	1.20
23	180	746	12:26	16	0.991	A BB	15795.	20.000	NG.	1.20
24	128	757	12:37	16	1.005	A BB	59833.	20.000	NG	1.20
25	122	717	11:57	16	0.952	A BB	8335.	20.000	NG	1.20
26	127	775	12:55	16	1.029	A BB	25970.	20.000	NG	1.20
27	225	789	13:09	16	1.048	A BB	12419.	20.000	NG	1.20
28	107	865	14:25	16	1.149	A BB	21447.	20.000	NG.	1.20
29	142	884	14:44	16	1.174	A BB	33740.	20.000	NG	1.20
30	82	633	10:33	16	0.841	A BB	30941.	20.000	NG*B1	1.20
31	164	1085	18:05	31	1.000	A BB	55975.	40.000	NG/UL	2.41
32	237	926	15:26	31	0.853	A BB	13465.	20.000	NG	1.20
33	196	944	15:44	31	0.870	A BV	10740.	20.000	NG	1.20
34	196	950	15:50	31	0.876	A VB	12121.	20.000	NG	1.20
35	162	975	16:15	31	0.899	A BB	34920.	20.000	NG	1.20
36	65	1007	16:47	31	0.928	A BB	26428.	20.000	NG	1.20
37	152	1056	17:36	31	0.973	A BB	57108.	20.000	NG	1.20
38	163	1050	17:30	31	0.968	A BB	43097.	20.000	NG	1.20
39	165	1064	17:44	31	0.981	A BB	10238.	20.000	NG	1.20
40	153	1091	18:11	31	1.006	A BB	36575.	20.000	NG.	1.20
41	138	1088	18:08	31	1.003	A BB	13565.	20.000	NG	1.20
42	184	1106	18:26	31	1.019	A BB	5125.	20.000	NG	1.20
43	168	1122	18:42	31	1.034	A BB	55330.	20.000	NG	1.20
44	109	1122	18:42	31	1.034	A BB	10946.	20.000	NG.	1.20
45	165	1136	18:56	31	1.047	A BB	15833.	20.000	NG.	1.20
46	166	1188	19:48	31	1.095	A BB	41445.	20.000	NG	1.20
47	204	1191	19:51	31	1.098	A BB	25080.	20.000	NG	1.20
48	149	1186	19:46	31	1.093	A BB	51653.	20.000	NG	1.20
49	138	1206	20:06	31	1.112	A BB	14623.	20.000	NG	1.20
50	198	1212	20:12	31	1.117	A BB	8520.	20.000	NG	1.20

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:26	1.00	0.948	1.00	20.00	20.00	1.438	1.438	1.00
3	8:08	1.00	0.914	1.00	20.00	20.00	2.356	2.356	1.00
4	8:22	1.00	0.940	1.00	20.00	20.00	1.953	1.953	1.00
5	8:47	1.00	0.987	1.00	20.00	20.00	1.533	1.533	1.00
6	8:56	1.00	1.004	1.00	20.00	20.00	1.620	1.620	1.00
7	9:26	1.00	1.060	1.00	20.00	20.00	1.475	1.475	1.00
8	9:22	1.00	1.052	1.00	20.00	20.00	1.029	1.029	1.00
9	9:48	1.00	1.101	1.00	20.00	20.00	3.821	3.821	1.00
10	9:44	1.00	1.094	1.00	20.00	20.00	1.554	1.554	1.00
11	10:15	1.00	1.152	1.00	20.00	20.00	0.875	0.875	1.00
12	10:08	1.00	1.139	1.00	20.00	20.00	1.577	1.577	1.00
13	10:12	1.00	1.146	1.00	20.00	20.00	1.630	1.630	1.00
14	5:53	1.00	0.661	1.00	20.00	20.00	1.438	1.438	1.00
15	8:06	1.00	0.910	1.00	20.00	20.00	2.028	2.028	1.00
16	12:33	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:36	1.00	0.845	1.00	20.00	20.00	0.797	0.797	1.00
18	11:15	1.00	0.896	1.00	20.00	20.00	1.354	1.354	1.00
19	11:31	1.00	0.918	1.00	20.00	20.00	0.238	0.238	1.00
20	11:40	1.00	0.930	1.00	20.00	20.00	0.524	0.524	1.00
21	11:59	1.00	0.955	1.00	20.00	20.00	0.799	0.799	1.00
22	12:11	1.00	0.971	1.00	20.00	20.00	0.353	0.353	1.00
23	12:26	1.00	0.991	1.00	20.00	20.00	0.372	0.372	1.00
24	12:37	1.00	1.005	1.00	20.00	20.00	1.411	1.411	1.00
25	11:57	1.00	0.952	1.00	20.00	20.00	0.197	0.197	1.00
26	12:55	1.00	1.029	1.00	20.00	20.00	0.612	0.612	1.00
27	13:09	1.00	1.048	1.00	20.00	20.00	0.293	0.293	1.00
28	14:25	1.00	1.149	1.00	20.00	20.00	0.506	0.506	1.00
29	14:44	1.00	1.174	1.00	20.00	20.00	0.796	0.796	1.00
30	10:33	1.00	0.841	1.00	20.00	20.00	0.730	0.730	1.00
31	18:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:26	1.00	0.853	1.00	20.00	20.00	0.481	0.481	1.00
33	15:44	1.00	0.870	1.00	20.00	20.00	0.384	0.384	1.00
34	15:50	1.00	0.876	1.00	20.00	20.00	0.433	0.433	1.00
35	16:15	1.00	0.899	1.00	20.00	20.00	1.248	1.248	1.00
36	16:47	1.00	0.928	1.00	20.00	20.00	0.944	0.944	1.00
37	17:36	1.00	0.973	1.00	20.00	20.00	2.040	2.040	1.00
38	17:30	1.00	0.968	1.00	20.00	20.00	1.540	1.540	1.00
39	17:44	1.00	0.981	1.00	20.00	20.00	0.366	0.366	1.00
40	18:11	1.00	1.006	1.00	20.00	20.00	1.307	1.307	1.00
41	18:08	1.00	1.003	1.00	20.00	20.00	0.485	0.485	1.00
42	18:26	1.00	1.019	1.00	20.00	20.00	0.183	0.183	1.00
43	18:42	1.00	1.034	1.00	20.00	20.00	1.977	1.977	1.00
44	18:42	1.00	1.034	1.00	20.00	20.00	0.391	0.391	1.00
45	18:56	1.00	1.047	1.00	20.00	20.00	0.566	0.566	1.00
46	19:48	1.00	1.095	1.00	20.00	20.00	1.481	1.481	1.00
47	19:51	1.00	1.098	1.00	20.00	20.00	0.896	0.896	1.00
48	19:46	1.00	1.093	1.00	20.00	20.00	1.846	1.846	1.00
49	20:06	1.00	1.112	1.00	20.00	20.00	0.522	0.522	1.00
50	20:12	1.00	1.117	1.00	20.00	20.00	0.304	0.304	1.00

Quantitation Report File: T2628

Data: T2628.TI
05/16/90 21:32:00
Sample: CLP,,,SSTD20,,,22662,B,IC20,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: ---

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

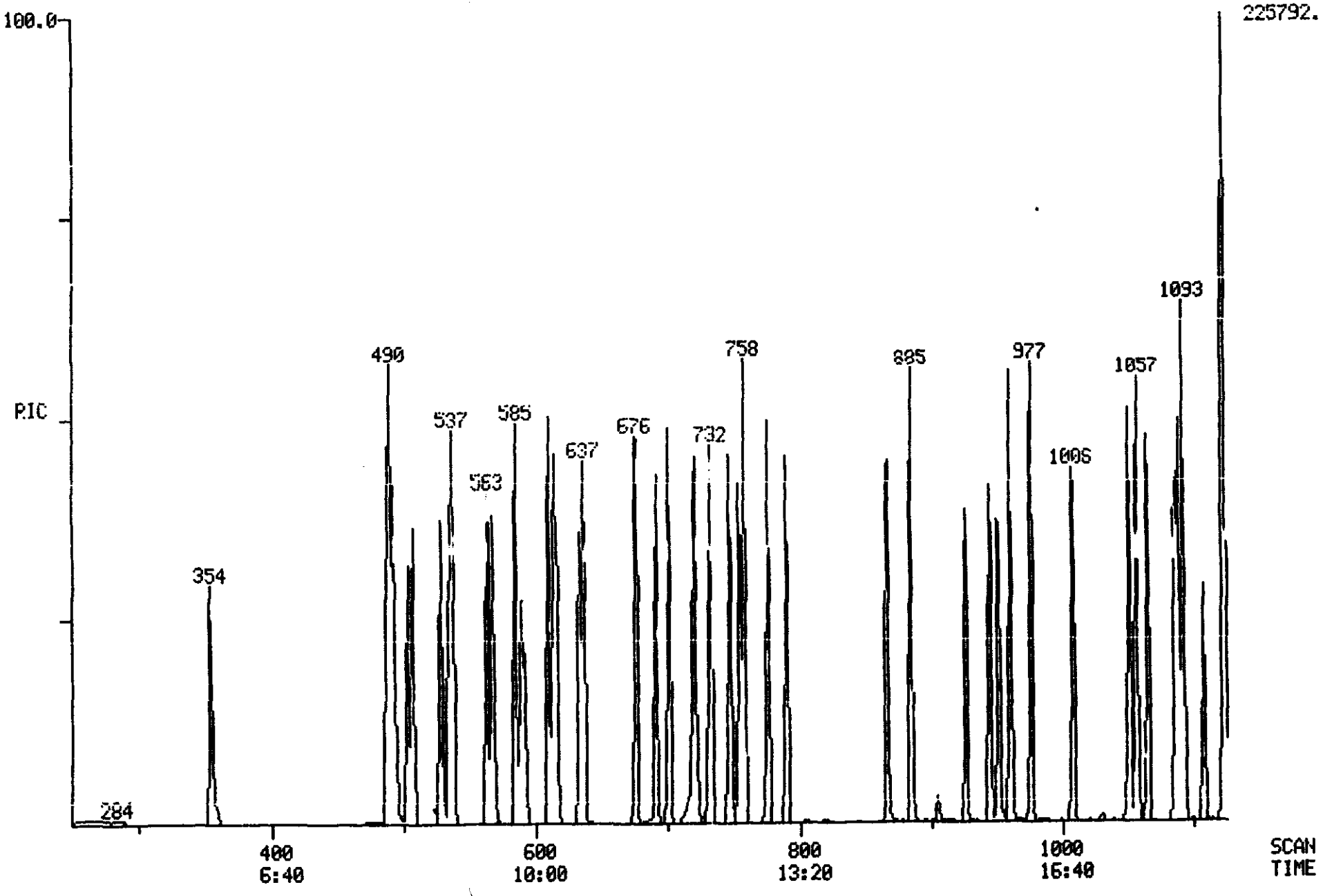
No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	169	1217	20:17	31	1.122	A BB	34156.	20.000 NG	1.20
52	248	1284	21:24	31	1.183	A BB	18839.	20.000 NG	1.20
53	284	1308	21:48	31	1.206	A BB	25882.	20.000 NG	1.20
54	172	960	16:00	31	0.885	A BB	36837.	20.000 NG*B2	1.20
55	188	1368	22:48	55	1.000	A BV	130774.	40.000 NG/UL	2.41
56	266	1345	22:25	55	0.983	A BB	11621.	20.000 NG.	1.20
57	178	1373	22:53	55	1.004	A BV	76396.	20.000 NG	1.20
58	178	1381	23:01	55	1.010	A VB	76667.	20.000 NG	1.20
59	149	1500	25:00	55	1.096	A BB	109376.	20.000 NG	1.20
60	202	1605	26:45	55	1.173	A BB	95369.	20.000 NG	1.20
61	202	1648	27:28	63	0.874	A BB	97873.	20.000 NG.	1.20
62	330	1239	20:39	31	1.142	A BB	11605.	20.000 NG*A3	1.20
63	240	1886	31:26	63	1.000	A BB	160737.	40.000 NG/UL	2.41
64	149	1791	29:51	63	0.950	A BB	45998.	20.000 NG	1.20
65	228	1882	31:22	63	0.998	A BV	88206.	20.000 NG	1.20
66	228	1890	31:30	63	1.002	A VB	75136.	20.000 NG	1.20

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	1884	31:24	63	0.999	A BB	32119.	20.000	NG	1.20
68	149	1902	31:42	63	1.008	A BB	67739.	20.000	NG	1.20
69	244	1684	28:04	63	0.893	A BB	73468.	20.000	NG*B3	1.20
70	264	2184	36:24	70	1.000	A BB	159460.	40.000	NG/UL	2.41
71	149	2011	33:31	70	0.921	A BB	113199.	20.000	NG	1.20
72	252	2090	34:50	70	0.957	A BV	92279.	20.000	NG	1.20
73	252	2095	34:55	70	0.959	A VB	88877.	20.000	NG	1.20
74	252	2168	36:08	70	0.993	A BV	84914.	20.000	NG	1.20
75	276	2528	42:08	70	1.158	A BV	66797.	20.000	NG	1.20
76	278	2538	42:18	70	1.162	A BB	66618.	20.000	NG	1.20
77	276	2633	43:53	70	1.206	A BB	67213.	20.000	NG	1.20

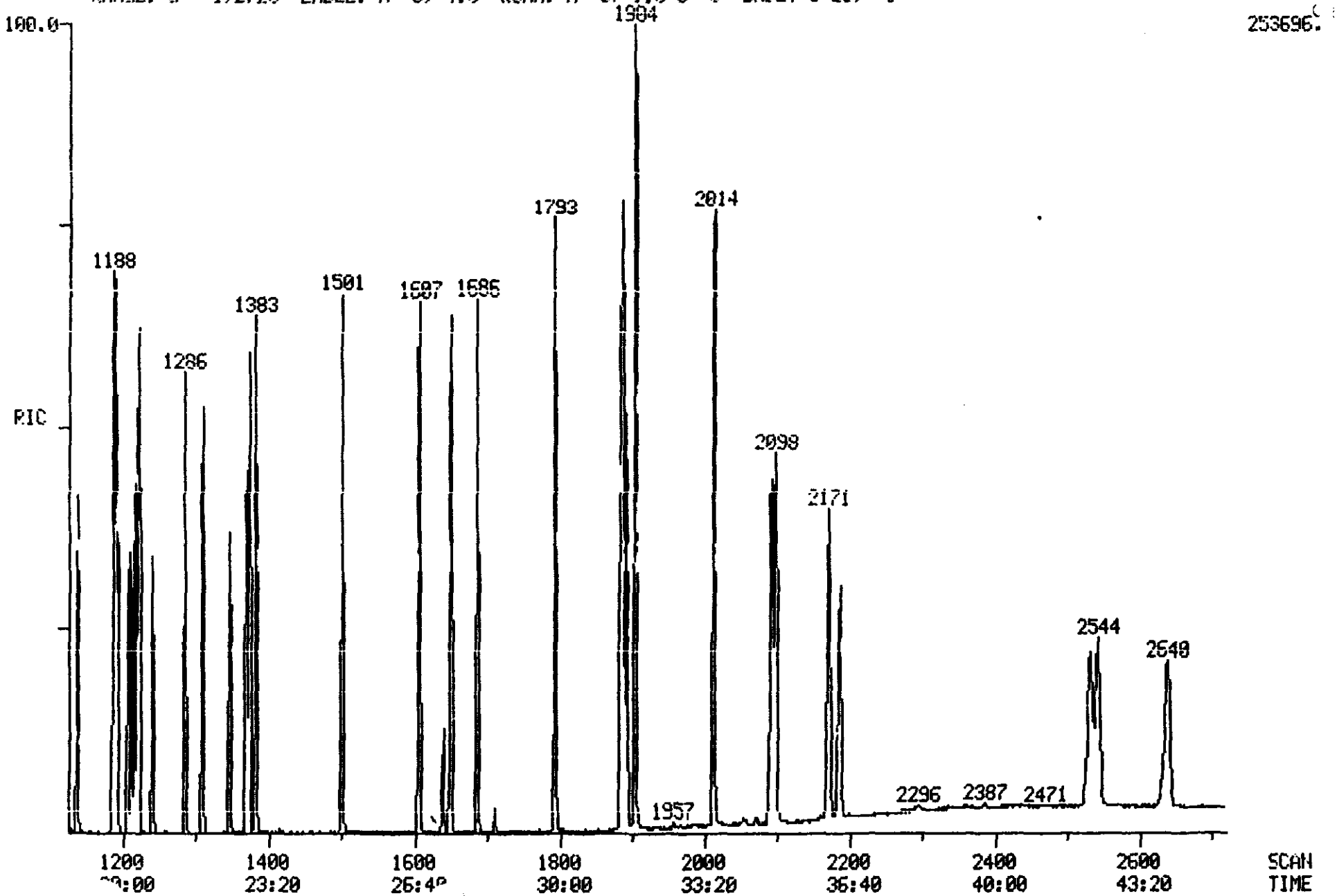
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:17	1.00	1.122	1.00	20.00	20.00	1.220	1.220	1.00
52	21:24	1.00	1.183	1.00	20.00	20.00	0.673	0.673	1.00
53	21:48	1.00	1.206	1.00	20.00	20.00	0.925	0.925	1.00
54	16:00	1.00	0.885	1.00	20.00	20.00	1.316	1.316	1.00
55	22:48	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:25	1.00	0.983	1.00	20.00	20.00	0.178	0.178	1.00
57	22:53	1.00	1.004	1.00	20.00	20.00	1.168	1.168	1.00
58	23:01	1.00	1.010	1.00	20.00	20.00	1.173	1.173	1.00
59	25:00	1.00	1.096	1.00	20.00	20.00	1.673	1.673	1.00
60	26:45	1.00	1.173	1.00	20.00	20.00	1.459	1.459	1.00
61	27:28	1.00	0.874	1.00	20.00	20.00	1.218	1.218	1.00
62	20:39	1.00	1.142	1.00	20.00	20.00	0.415	0.415	1.00
63	31:26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	29:51	1.00	0.950	1.00	20.00	20.00	0.572	0.572	1.00
65	31:22	1.00	0.998	1.00	20.00	20.00	1.098	1.098	1.00
66	31:30	1.00	1.002	1.00	20.00	20.00	0.935	0.935	1.00
67	31:24	1.00	0.999	1.00	20.00	20.00	0.400	0.400	1.00
68	31:42	1.00	1.008	1.00	20.00	20.00	0.843	0.843	1.00
69	28:04	1.00	0.893	1.00	20.00	20.00	0.914	0.914	1.00
70	36:24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:31	1.00	0.921	1.00	20.00	20.00	1.420	1.420	1.00
72	34:50	1.00	0.957	1.00	20.00	20.00	1.157	1.157	1.00
73	34:55	1.00	0.959	1.00	20.00	20.00	1.115	1.115	1.00
74	36:08	1.00	0.993	1.00	20.00	20.00	1.065	1.065	1.00
75	42:08	1.00	1.158	1.00	20.00	20.00	0.838	0.838	1.00
76	42:18	1.00	1.162	1.00	20.00	20.00	0.836	0.836	1.00
77	43:53	1.00	1.206	1.00	20.00	20.00	0.843	0.843	1.00

RIC DATA: T2624 #1 SCANS 250 TO 1125
05/16/90 17:01:00 CALI: T2624 #2
SAMPLE: CLP,,,SSTD50,,,22653,B,CC050,,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 5



000060

RIC DATA: T2624 #1 SCANS 1125 TO 2720
05/16/90 17:01:00 CALI: T2624 #2
SAMPLE: CLP,,,SSTD50,,,22659,B,CC050,,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



19000

Quantitation Report File: T2624

Data: T2624.TI
05/16/90 17:01:00
Sample: CLP,,,SSTD50,,,22658,B,CC050,,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: ____

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR. **
15	CS45 PHENOL-D5**ACID SURR. **
16	CI40 NAPHTHALENE-D8**INT. STD. #2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR. **
31	CI50 ACENAPHTHENE-D10**INT. STD. #3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

ORIGINAL (Red)

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	534	8:54	1	1.000	A BB	21230.	40.000	NG/UL	1.06
2	128	507	8:27	1	0.949	A BB	36608.	50.000	NG.	1.32
3	94	490	8:10	1	0.918	A BB	54898.	50.000	NG.	1.32
4	93	503	8:23	1	0.942	A VB	44653.	50.000	NG	1.32
5	146	528	8:48	1	0.969	A BB	38980.	50.000	NG	1.32
6	146	537	8:57	1	1.006	A BB	41589.	50.000	NG.	1.32
7	146	567	9:27	1	1.062	A BB	38083.	50.000	NG	1.32
8	108	563	9:23	1	1.054	A BB	26892.	50.000	NG	1.32
9	45	589	9:49	1	1.103	A BB	98374.	50.000	NG	1.32
10	108	585	9:45	1	1.096	A BB	39070.	50.000	NG	1.32
11	117	616	10:16	1	1.154	A BB	22445.	50.000	NG	1.32
12	108	610	10:10	1	1.142	A BB	40529.	50.000	NG	1.32
13	170	614	10:14	1	1.150	A BB	37430.	50.000	NG.	1.32
14	112	354	5:54	1	0.663	A BB	33295.	50.000	NG*A1	1.32
15	99	488	8:08	1	0.914	A BB	47962.	50.000	NG*A2	1.32
16	136	754	12:34	16	1.000	A BB	67127.	40.000	NG/UL	1.06
17	77	637	10:37	16	0.845	A BB	58903.	50.000	NG	1.32
18	82	676	11:16	16	0.897	A BB	104361.	50.000	NG	1.32
19	139	692	11:32	16	0.918	A BB	21051.	50.000	NG	1.32
20	107	701	11:41	16	0.930	A BB	42947.	50.000	NG	1.32
21	93	721	12:01	16	0.956	A BB	63230.	50.000	NG	1.32
22	162	732	12:12	16	0.971	A BB	31544.	50.000	NG	1.32
23	180	747	12:27	16	0.991	A BB	32481.	50.000	NG.	1.32
24	128	758	12:38	16	1.005	A BB	116499.	50.000	NG	1.32
25	122	722	12:02	16	0.958	A BB	15668.	50.000	NG	1.32
26	127	776	12:56	16	1.029	A BB	52086.	50.000	NG	1.32
27	225	790	13:10	16	1.048	A BB	23783.	50.000	NG	1.32
28	107	866	14:26	16	1.149	A BB	40916.	50.000	NG.	1.32
29	142	885	14:45	16	1.174	A BB	69896.	50.000	NG	1.32
30	82	634	10:34	16	0.841	A BB	55416.	50.000	NG*B1	1.32
31	164	1086	18:06	31	1.000	A BB	45485.	40.000	NG/UL	1.06
32	237	927	15:27	31	0.854	A BB	29154.	50.000	NG	1.32
33	196	945	15:45	31	0.870	A BV	22277.	50.000	NG	1.32
34	196	951	15:51	31	0.876	A VB	24109.	50.000	NG	1.32
35	162	977	16:17	31	0.900	A BB	70415.	50.000	NG	1.32
36	65	1008	16:48	31	0.928	A BB	48677.	50.000	NG	1.32
37	152	1057	17:37	31	0.973	A BB	114817.	50.000	NG	1.32
38	163	1051	17:31	31	0.968	A BB	85537.	50.000	NG	1.32
39	165	1065	17:45	31	0.981	A BB	19682.	50.000	NG	1.32
40	153	1093	18:13	31	1.006	A BB	72228.	50.000	NG.	1.32
41	138	1089	18:09	31	1.003	A BB	25893.	50.000	NG	1.32
42	184	1108	18:28	31	1.020	A BB	12867.	50.000	NG	1.32
43	168	1123	18:43	31	1.034	A BB	108646.	50.000	NG	1.32
44	109	1123	18:43	31	1.034	A BB	24464.	50.000	NG.	1.32
45	165	1138	18:58	31	1.048	A BB	29278.	50.000	NG.	1.32
46	166	1189	19:49	31	1.095	A BB	88732.	50.000	NG	1.32
47	204	1192	19:52	31	1.098	A BB	47836.	50.000	NG	1.32
48	149	1187	19:47	31	1.093	A BB	104717.	50.000	NG	1.32
49	138	1209	20:09	31	1.113	A BB	26769.	50.000	NG	1.32
50	198	1214	20:14	31	1.118	A BB	20653.	50.000	NG	1.32

ORIGINAL

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:27	1.00	0.949	1.00	50.00	50.00	1.379	1.379	1.00
3	8:10	1.00	0.918	1.00	50.00	50.00	2.069	2.069	1.00
4	8:23	1.00	0.942	1.00	50.00	50.00	1.683	1.683	1.00
5	8:48	1.00	0.989	1.00	50.00	50.00	1.469	1.469	1.00
6	8:57	1.00	1.006	1.00	50.00	50.00	1.567	1.567	1.00
7	9:27	1.00	1.062	1.00	50.00	50.00	1.435	1.435	1.00
8	9:23	1.00	1.054	1.00	50.00	50.00	1.013	1.013	1.00
9	9:49	1.00	1.103	1.00	50.00	50.00	3.707	3.707	1.00
10	9:45	1.00	1.096	1.00	50.00	50.00	1.472	1.472	1.00
11	10:16	1.00	1.154	1.00	50.00	50.00	0.846	0.846	1.00
12	10:10	1.00	1.142	1.00	50.00	50.00	1.527	1.527	1.00
13	10:14	1.00	1.150	1.00	50.00	50.00	1.410	1.410	1.00
14	5:54	1.00	0.663	1.00	50.00	50.00	1.255	1.255	1.00
15	8:08	1.00	0.914	1.00	50.00	50.00	1.807	1.807	1.00
16	12:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:37	1.00	0.845	1.00	50.00	50.00	0.702	0.702	1.00
18	11:16	1.00	0.897	1.00	50.00	50.00	1.244	1.244	1.00
19	11:32	1.00	0.918	1.00	50.00	50.00	0.251	0.251	1.00
20	11:41	1.00	0.930	1.00	50.00	50.00	0.512	0.512	1.00
21	12:01	1.00	0.956	1.00	50.00	50.00	0.754	0.754	1.00
22	12:12	1.00	0.971	1.00	50.00	50.00	0.376	0.376	1.00
23	12:27	1.00	0.991	1.00	50.00	50.00	0.387	0 387	1.00
24	12:38	1.00	1.005	1.00	50.00	50.00	1.388	1.388	1.00
25	12:02	1.00	0.958	1.00	50.00	50.00	0.187	0.187	1.00
26	12:56	1.00	1.029	1.00	50.00	50.00	0.621	0.621	1.00
27	13:10	1.00	1.048	1.00	50.00	50.00	0.283	0.283	1.00
28	14:26	1.00	1.149	1.00	50.00	50.00	0.488	0.488	1.00
29	14:45	1.00	1.174	1.00	50.00	50.00	0.833	0.833	1.00
30	10:34	1.00	0.841	1.00	50.00	50.00	0.660	0.660	1.00
31	18:06	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:27	1.00	0.854	1.00	50.00	50.00	0.513	0.513	1.00
33	15:45	1.00	0.870	1.00	50.00	50.00	0.392	0.392	1.00
34	15:51	1.00	0.876	1.00	50.00	50.00	0.424	0.424	1.00
35	16:17	1.00	0.900	1.00	50.00	50.00	1.238	1.238	1.00
36	16:48	1.00	0.928	1.00	50.00	50.00	0.856	0.856	1.00
37	17:37	1.00	0.973	1.00	50.00	50.00	2.019	2.019	1.00
38	17:31	1.00	0.968	1.00	50.00	50.00	1.504	1.504	1.00
39	17:45	1.00	0.981	1.00	50.00	50.00	0.346	0.346	1.00
40	18:13	1.00	1.006	1.00	50.00	50.00	1.270	1.270	1.00
41	18:09	1.00	1.003	1.00	50.00	50.00	0.455	0.455	1.00
42	18:28	1.00	1.020	1.00	50.00	50.00	0.226	0.226	1.00
43	18:43	1.00	1.034	1.00	50.00	50.00	1.911	1.911	1.00
44	18:43	1.00	1.034	1.00	50.00	50.00	0.430	0.430	1.00
45	18:58	1.00	1.048	1.00	50.00	50.00	0.515	0.515	1.00
46	19:49	1.00	1.095	1.00	50.00	50.00	1.561	1.561	1.00
47	19:52	1.00	1.098	1.00	50.00	50.00	0.841	0.841	1.00
48	19:47	1.00	1.093	1.00	50.00	50.00	1.842	1.842	1.00
49	20:09	1.00	1.113	1.00	50.00	50.00	0.471	0.471	1.00
50	20:14	1.00	1.118	1.00	50.00	50.00	0.363	0.363	1.00

Quantitation Report File: T2624

ORIGINAL

Data: T2624.TI
05/16/90 17:01:00
Sample: CLP,,,SSTD50,,,22658,B,CC050,,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: ____

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

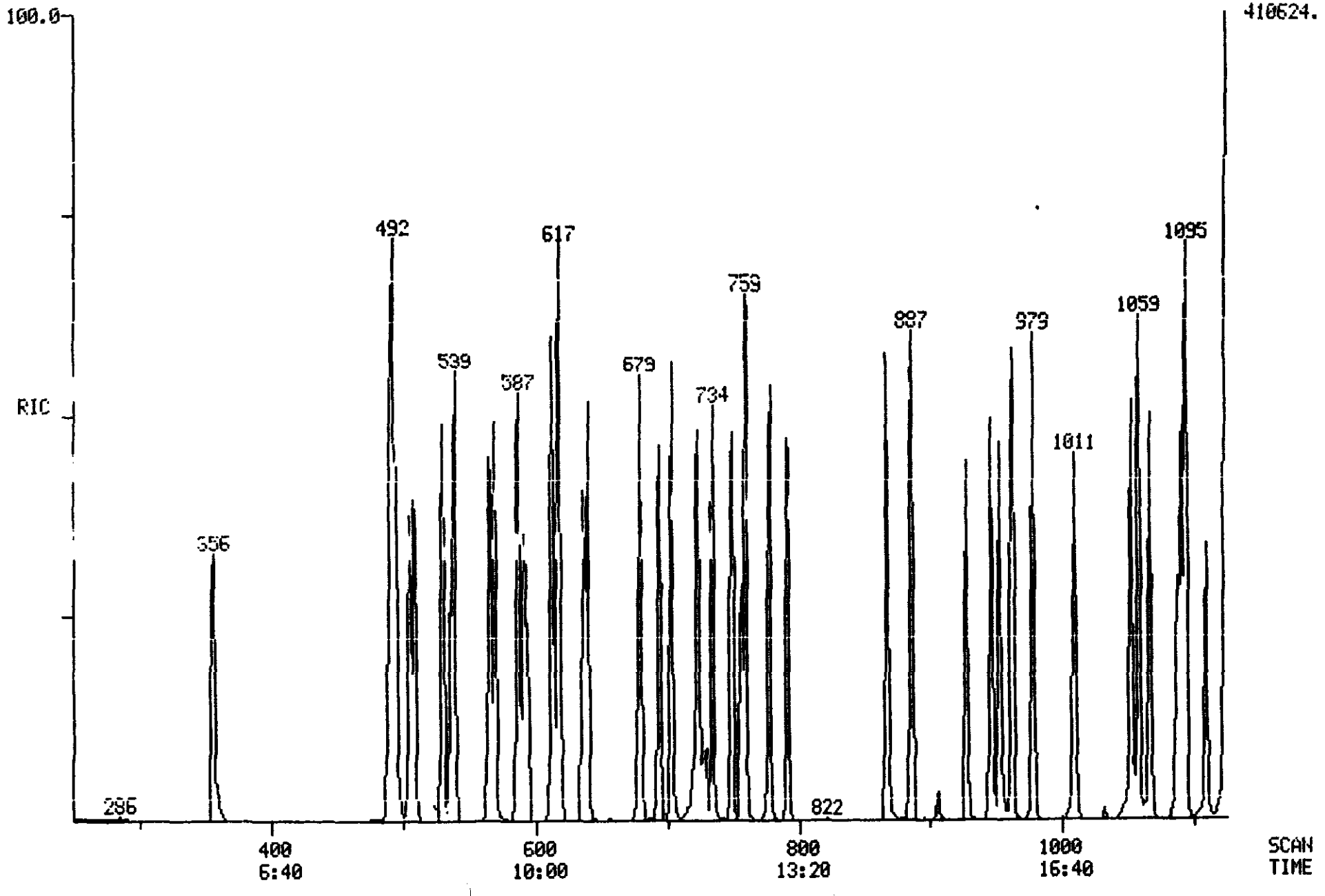
No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	169	1219	20:19	31	1.122	A BB	66193.	50.000 NG	1.32
52	248	1286	21:26	31	1.184	A BB	38270.	50.000 NG	1.32
53	284	1310	21:50	31	1.206	A BB	51119.	50.000 NG	1.32
54	172	961	16:01	31	0.885	A BB	75617.	50.000 NG*B2	1.32
55	188	1370	22:50	55	1.000	A BV	109533.	40.000 NG/UL	1.06
56	266	1347	22:27	55	0.983	A BB	29553.	50.000 NG.	1.32
57	178	1374	22:54	55	1.003	A BV	147008.	50.000 NG	1.32
58	178	1383	23:03	55	1.009	A VB	150695.	50.000 NG	1.32
59	149	1501	25:01	55	1.096	A BB	196999.	50.000 NG	1.32
60	202	1607	26:47	55	1.173	A BB	192155.	50.000 NG	1.32
61	202	1650	27:30	63	0.874	A BB	199171.	50.000 NG.	1.32
62	330	1240	20:40	31	1.142	A BB	25060.	50.000 NG*A3	1.32
63	240	1887	31:27	63	1.000	A BB	129519.	40.000 NG/UL	1.06
64	149	1793	29:53	63	0.950	A BB	96760.	50.000 NG	1.32
65	228	1884	31:24	63	0.998	A BV	165129.	50.000 NG	1.32
66	228	1892	31:32	63	1.003	A VB	130732.	50.000 NG	1.32

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tol
67	252	1886	31:26	63	0.999	A BB	52799.	50.000	NG	1.32
68	149	1904	31:44	63	1.009	A BB	135627.	50.000	NG	1.32
69	244	1686	28:06	63	0.893	A BB	153106.	50.000	NG*BB	1.32
70	264	2186	36:26	70	1.000	A BB	121131.	40.000	NG/UL	1.06
71	149	2013	33:33	70	0.921	A BB	217608.	50.000	NG	1.32
72	252	2093	34:53	70	0.957	A BV	175044.	50.000	NG	1.32
73	252	2098	34:58	70	0.960	A VB	164422.	50.000	NG	1.32
74	252	2171	36:11	70	0.993	A BV	166670.	50.000	NG	1.32
75	276	2533	42:13	70	1.159	A BV	132613.	50.000	NG	1.32
76	278	2544	42:24	70	1.164	A BB	125799.	50.000	NG	1.32
77	276	2640	44:00	70	1.208	A BB	135361.	50.000	NG	1.32

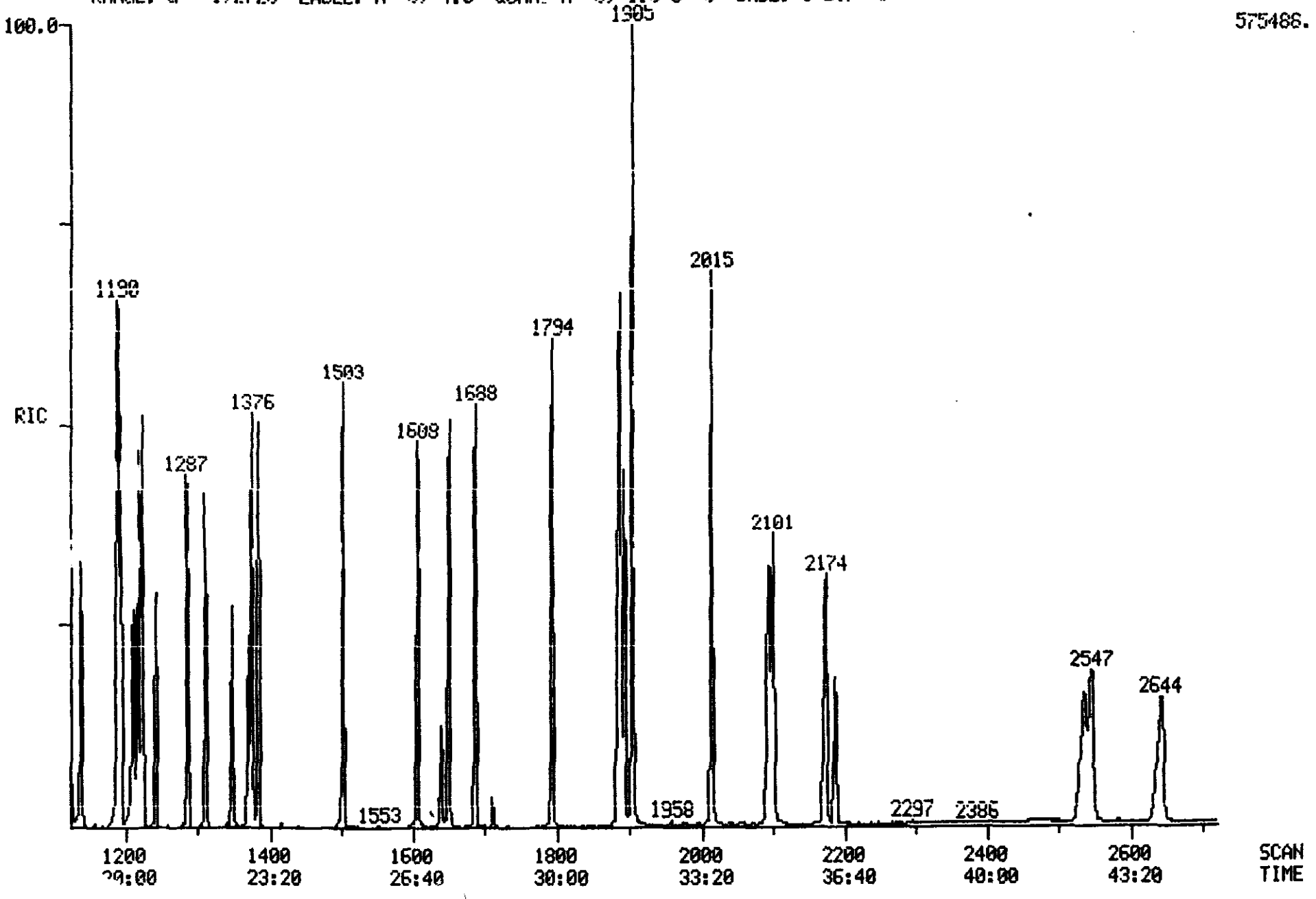
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:19	1.00	1.122	1.00	50.00	50.00	1.164	1.164	1.00
52	21:26	1.00	1.184	1.00	50.00	50.00	0.673	0.673	1.00
53	21:50	1.00	1.206	1.00	50.00	50.00	0.899	0.899	1.00
54	16:01	1.00	0.885	1.00	50.00	50.00	1.330	1.330	1.00
55	22:50	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:27	1.00	0.983	1.00	50.00	50.00	0.216	0.216	1.00
57	22:54	1.00	1.003	1.00	50.00	50.00	1.074	1.074	1.00
58	23:03	1.00	1.009	1.00	50.00	50.00	1.101	1.101	1.00
59	25:01	1.00	1.096	1.00	50.00	50.00	1.439	1.439	1.00
60	26:47	1.00	1.173	1.00	50.00	50.00	1.403	1.403	1.00
61	27:30	1.00	0.874	1.00	50.00	50.00	1.230	1.230	1.00
62	20:40	1.00	1.142	1.00	50.00	50.00	0.441	0.441	1.00
63	31:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	29:53	1.00	0.950	1.00	50.00	50.00	0.598	0.598	1.00
65	31:24	1.00	0.998	1.00	50.00	50.00	1.020	1.020	1.00
66	31:32	1.00	1.003	1.00	50.00	50.00	0.807	0.807	1.00
67	31:26	1.00	0.999	1.00	50.00	50.00	0.326	0.326	1.00
68	31:44	1.00	1.009	1.00	50.00	50.00	0.838	0.838	1.00
69	28:06	1.00	0.893	1.00	50.00	50.00	0.946	0.946	1.00
70	36:26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:33	1.00	0.921	1.00	50.00	50.00	1.437	1.437	1.00
72	34:53	1.00	0.957	1.00	50.00	50.00	1.156	1.156	1.00
73	34:58	1.00	0.960	1.00	50.00	50.00	1.086	1.086	1.00
74	36:11	1.00	0.993	1.00	50.00	50.00	1.101	1.101	1.00
75	42:13	1.00	1.159	1.00	50.00	50.00	0.876	0.876	1.00
76	42:24	1.00	1.164	1.00	50.00	50.00	0.831	0.831	1.00
77	44:00	1.00	1.208	1.00	50.00	50.00	0.894	0.894	1.00

RIC DATA: T2627 #1 SCANS 250 TO 1125
05/16/90 20:23:00 CALI: T2627 #2
SAMPLE: CLP,,,SSTD80,,22661,6,IC80,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



ORIGINAL (Red)

RIC DATA: T2627 #1 SCANS 1125 TO 2720
05/15/90 20:23:00 CALI: T2627 #2
SAMPLE: CLP,,,SSTD80,,22661,B,IC80,,1UL,
CONDS.: INST T COLUMN=PESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



200068

Quantitation Report File: T2627

Data: T2627.TI
05/16/90 20:23:00
Sample: CLP,,,SSTD80,,22661,B,IC80,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: ---

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	536	8:56	1	1.000	A BB	28730.	40.000	NG/UL	0.68
2	128	508	8:28	1	0.948	A BB	81021.	60.000	NG.	1.35
3	94	492	8:12	1	0.918	A BV	125178.	60.000	NG.	1.35
4	93	505	8:25	1	0.942	A VB	100113.	80.000	NG	1.35
5	146	530	8:50	1	0.989	A BB	87500.	80.000	NG	1.35
6	146	539	8:59	1	1.006	A BB	91880.	80.000	NG.	1.35
7	146	569	9:29	1	1.062	A BB	83741.	80.000	NG	1.35
8	108	565	9:25	1	1.054	A BB	60432.	80.000	NG	1.35
9	45	591	9:51	1	1.103	A BB	214971.	80.000	NG	1.35
10	108	587	9:47	1	1.095	A BB	84690.	80.000	NG	1.35
11	117	618	10:18	1	1.153	A BB	48478.	80.000	NG	1.35
12	108	612	10:12	1	1.142	A BB	87049.	80.000	NG	1.35
13	170	616	10:16	1	1.149	A BB	87465.	80.000	NG.	1.35
14	112	355	5:55	1	0.662	A BB	75369.	80.000	NG*A1	1.35
15	99	490	8:10	1	0.914	A BB	105641.	80.000	NG*A2	1.35
16	136	756	12:36	16	1.000	A BB	88990.	40.000	NG/UL	0.68
17	77	639	10:39	16	0.845	A BB	130935.	80.000	NG	1.35
18	82	679	11:19	16	0.898	A BB	237612.	80.000	NG	1.35
19	139	694	11:34	16	0.918	A BB	46040.	80.000	NG	1.35
20	107	703	11:43	16	0.930	A BB	95778.	80.000	NG	1.35
21	93	723	12:03	16	0.956	A BB	136469.	80.000	NG	1.35
22	162	734	12:14	16	0.971	A BB	69392.	80.000	NG	1.35
23	180	748	12:28	16	0.989	A BB	70299.	80.000	NG.	1.35
24	128	759	12:39	16	1.004	A BB	248043.	80.000	NG	1.35
25	122	729	12:09	16	0.964	A VB	43608.	80.000	NG	1.35
26	127	778	12:58	16	1.029	A BB	111879.	80.000	NG	1.35
27	225	791	13:11	16	1.046	A BB	49196.	80.000	NG	1.35
28	107	868	14:28	16	1.148	A BB	90418.	80.000	NG.	1.35
29	142	887	14:47	16	1.173	A BB	151623.	80.000	NG	1.35
30	82	636	10:36	16	0.841	A BB	125837.	80.000	NG*B1	1.35
31	164	1088	18:08	31	1.000	A BB	59320.	40.000	NG/UL	0.68
32	237	928	15:28	31	0.853	A BB	59967.	80.000	NG	1.35
33	196	947	15:47	31	0.870	A BV	49582.	80.000	NG	1.35
34	196	953	15:53	31	0.876	A VB	51714.	80.000	NG	1.35
35	162	979	16:19	31	0.900	A BB	151357.	80.000	NG	1.35
36	65	1011	16:51	31	0.929	A BB	105384.	80.000	NG	1.35
37	152	1059	17:39	31	0.973	A BB	247408.	80.000	NG	1.35
38	163	1053	17:33	31	0.968	A BB	186418.	80.000	NG	1.35
39	165	1067	17:47	31	0.981	A BB	44285.	80.000	NG	1.35
40	153	1095	18:15	31	1.006	A BB	155074.	80.000	NG.	1.35
41	138	1091	18:11	31	1.003	A BB	58242.	80.000	NG	1.35
42	184	1110	18:30	31	1.020	A BB	29745.	80.000	NG	1.35
43	168	1125	18:45	31	1.034	A BB	229373.	80.000	NG	1.35
44	109	1125	18:45	31	1.034	A BV	52839.	80.000	NG.	1.35
45	165	1140	19:00	31	1.048	A BB	61906.	80.000	NG.	1.35
46	166	1191	19:51	31	1.095	A BB	195146.	80.000	NG	1.35
47	204	1194	19:54	31	1.097	A BB	96971.	80.000	NG	1.35
48	149	1189	19:49	31	1.093	A BB	236527.	80.000	NG	1.35
49	138	1212	20:12	31	1.114	A BV	56364.	80.000	NG	1.35
50	198	1216	20:16	31	1.118	A BB	42187.	80.000	NG	1.35

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:28	1.00	0.948	1.00	80.00	80.00	1.410	1.410	1.00
3	8:12	1.00	0.918	1.00	80.00	80.00	2.179	2.179	1.00
4	8:25	1.00	0.942	1.00	80.00	80.00	1.742	1.742	1.00
5	8:50	1.00	0.989	1.00	80.00	80.00	1.523	1.523	1.00
6	8:59	1.00	1.006	1.00	80.00	80.00	1.599	1.599	1.00
7	9:29	1.00	1.062	1.00	80.00	80.00	1.457	1.457	1.00
8	9:25	1.00	1.054	1.00	80.00	80.00	1.052	1.052	1.00
9	9:51	1.00	1.103	1.00	80.00	80.00	3.741	3.741	1.00
10	9:47	1.00	1.095	1.00	80.00	80.00	1.474	1.474	1.00
11	10:18	1.00	1.153	1.00	80.00	80.00	0.844	0.844	1.00
12	10:12	1.00	1.142	1.00	80.00	80.00	1.515	1.515	1.00
13	10:16	1.00	1.149	1.00	80.00	80.00	1.522	1.522	1.00
14	5:55	1.00	0.662	1.00	80.00	80.00	1.312	1.312	1.00
15	8:10	1.00	0.914	1.00	80.00	80.00	1.839	1.839	1.00
16	12:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:39	1.00	0.845	1.00	80.00	80.00	0.736	0.736	1.00
18	11:19	1.00	0.898	1.00	80.00	80.00	1.335	1.335	1.00
19	11:34	1.00	0.918	1.00	80.00	80.00	0.259	0.259	1.00
20	11:43	1.00	0.930	1.00	80.00	80.00	0.538	0.538	1.00
21	12:03	1.00	0.956	1.00	80.00	80.00	0.767	0.767	1.00
22	12:14	1.00	0.971	1.00	80.00	80.00	0.390	0.390	1.00
23	12:28	1.00	0.989	1.00	80.00	80.00	0.395	0.395	1.00
24	12:39	1.00	1.004	1.00	80.00	80.00	1.394	1.394	1.00
25	12:09	1.00	0.964	1.00	80.00	80.00	0.245	0.245	1.00
26	12:58	1.00	1.029	1.00	80.00	80.00	0.629	0.629	1.00
27	13:11	1.00	1.046	1.00	80.00	80.00	0.276	0.276	1.00
28	14:28	1.00	1.148	1.00	80.00	80.00	0.508	0.508	1.00
29	14:47	1.00	1.173	1.00	80.00	80.00	0.852	0.852	1.00
30	10:36	1.00	0.841	1.00	80.00	80.00	0.707	0.707	1.00
31	18:08	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:28	1.00	0.853	1.00	80.00	80.00	0.505	0.505	1.00
33	15:47	1.00	0.870	1.00	80.00	80.00	0.418	0.418	1.00
34	15:53	1.00	0.876	1.00	80.00	80.00	0.436	0.436	1.00
35	16:19	1.00	0.900	1.00	80.00	80.00	1.276	1.276	1.00
36	16:51	1.00	0.929	1.00	80.00	80.00	0.889	0.889	1.00
37	17:39	1.00	0.973	1.00	80.00	80.00	2.085	2.085	1.00
38	17:33	1.00	0.968	1.00	80.00	80.00	1.571	1.571	1.00
39	17:47	1.00	0.981	1.00	80.00	80.00	0.373	0.373	1.00
40	18:15	1.00	1.006	1.00	80.00	80.00	1.307	1.307	1.00
41	18:11	1.00	1.003	1.00	80.00	80.00	0.491	0.491	1.00
42	18:30	1.00	1.020	1.00	80.00	80.00	0.251	0.251	1.00
43	18:45	1.00	1.034	1.00	80.00	80.00	1.933	1.933	1.00
44	18:45	1.00	1.034	1.00	80.00	80.00	0.445	0.445	1.00
45	19:00	1.00	1.048	1.00	80.00	80.00	0.522	0.522	1.00
46	19:51	1.00	1.095	1.00	80.00	80.00	1.645	1.645	1.00
47	19:54	1.00	1.097	1.00	80.00	80.00	0.817	0.817	1.00
48	19:49	1.00	1.093	1.00	80.00	80.00	1.994	1.994	1.00
49	20:12	1.00	1.114	1.00	80.00	80.00	0.475	0.475	1.00
50	20:16	1.00	1.118	1.00	80.00	80.00	0.356	0.356	1.00

Quantitation Report File: T2627

Data: T2627.TI
05/16/90 20:23:00
Sample: CLP,,,SSTD80,,22661,B,IC80,,1UL
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: ---

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

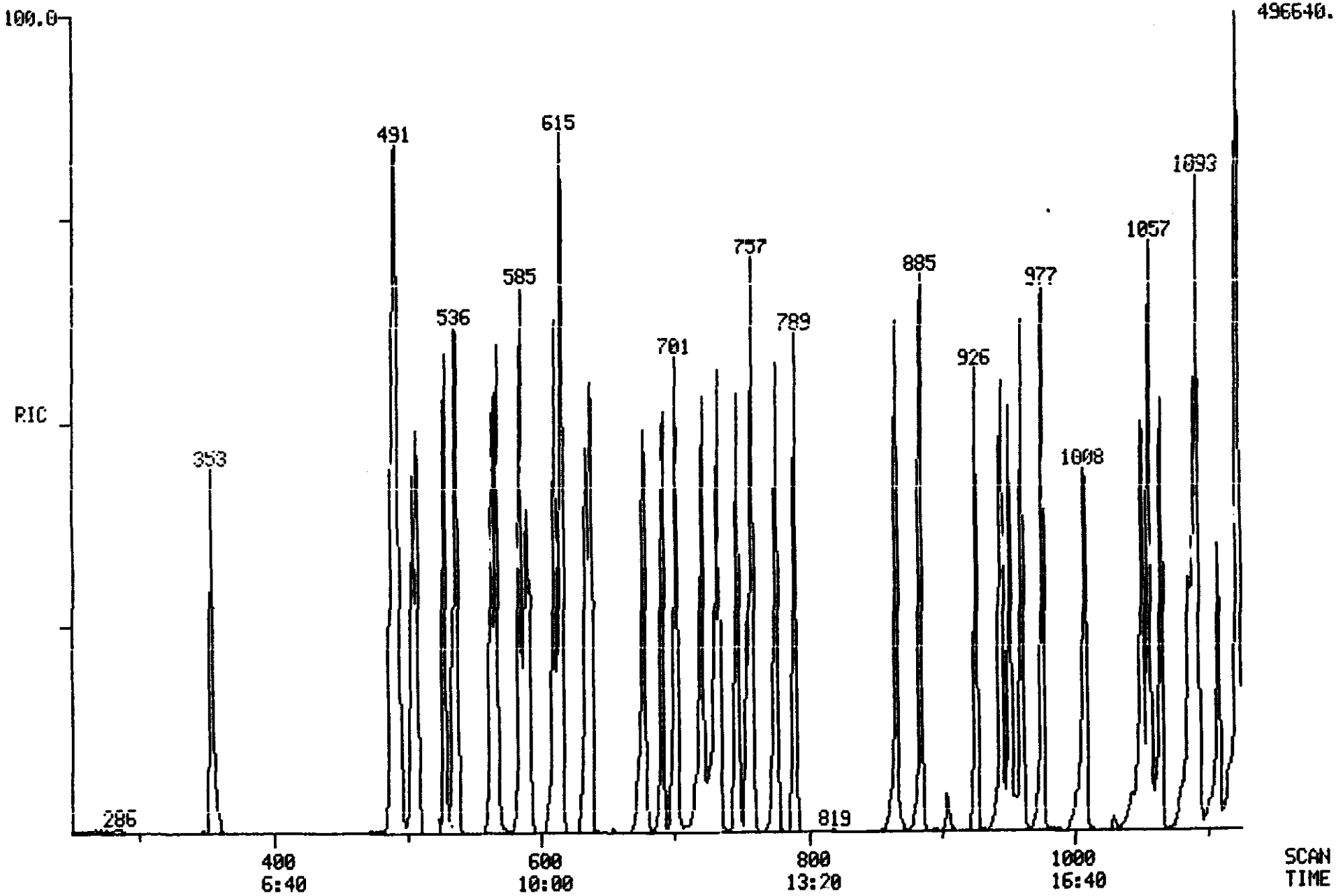
No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	169	1221	20:21	31	1.122	A BB	137182.	80.000 NG	1.35
52	248	1287	21:27	31	1.183	A BB	75917.	80.000 NG	1.35
53	284	1311	21:51	31	1.205	A BB	97632.	80.000 NG	1.35
54	172	963	16:03	31	0.885	A BB	160127.	80.000 NG*B2	1.35
55	188	1371	22:51	55	1.000	A BV	136430.	40.000 NG/UL	0.68
56	266	1348	22:28	55	0.983	A BB	56853.	80.000 NG.	1.35
57	178	1376	22:56	55	1.004	A BV	302079.	80.000 NG	1.35
58	178	1385	23:05	55	1.010	A VB	292686.	80.000 NG	1.35
59	149	1503	25:03	55	1.096	A BB	368490.	80.000 NG	1.35
60	202	1608	26:48	55	1.173	A BB	355380.	80.000 NG	1.35
61	202	1652	27:32	63	0.875	A BB	351222.	80.000 NG.	1.35
62	330	1242	20:42	31	1.142	A BB	51234.	80.000 NG*A3	1.35
63	240	1889	31:29	63	1.000	A BB	159758.	40.000 NG/UL	0.68
64	149	1794	29:54	63	0.950	A BB	192062.	80.000 NG	1.35
65	228	1885	31:25	63	0.998	A BV	312755.	80.000 NG	1.35
66	228	1894	31:34	63	1.003	A VB	243714.	80.000 NG	1.35

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
67	252	1888	31:28	63	0.999	A BB	104170.	80.000 NG	1.35
68	149	1905	31:45	63	1.008	A VB	262416.	80.000 NG	1.35
69	244	1688	28:08	63	0.894	A BB	269906.	80.000 NG→B3	1.35
70	264	2188	36:28	70	1.000	A VB	165988.	40.000 NG/UL	0.68
71	149	2014	33:34	70	0.920	A BB	411882.	80.000 NG	1.35
72	252	2094	34:54	70	0.957	A BV	357622.	80.000 NG	1.35
73	252	2101	35:01	70	0.960	A VB	310446.	80.000 NG	1.35
74	252	2174	36:14	70	0.994	A BV	337763.	80.000 NG	1.35
75	276	2537	42:17	70	1.160	A BV	312517.	80.000 NG	1.35
76	278	2547	42:27	70	1.164	A BB	288610.	80.000 NG	1.35
77	276	2644	44:04	70	1.208	A BB	296857.	80.000 NG	1.35

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:21	1.00	1.122	1.00	80.00	80.00	1.156	1.156	1.00
52	21:27	1.00	1.183	1.00	80.00	80.00	0.640	0.640	1.00
53	21:51	1.00	1.205	1.00	80.00	80.00	0.823	0.823	1.00
54	16:03	1.00	0.885	1.00	80.00	80.00	1.350	1.350	1.00
55	22:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:28	1.00	0.983	1.00	80.00	80.00	0.208	0.208	1.00
57	22:56	1.00	1.004	1.00	80.00	80.00	1.107	1.107	1.00
58	23:05	1.00	1.010	1.00	80.00	80.00	1.073	1.073	1.00
59	25:03	1.00	1.096	1.00	80.00	80.00	1.350	1.350	1.00
60	26:48	1.00	1.173	1.00	80.00	80.00	1.302	1.302	1.00
61	27:32	1.00	0.875	1.00	80.00	80.00	1.099	1.099	1.00
62	20:42	1.00	1.142	1.00	80.00	80.00	0.432	0.432	1.00
63	31:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	29:54	1.00	0.950	1.00	80.00	80.00	0.601	0.601	1.00
65	31:25	1.00	0.998	1.00	80.00	80.00	0.979	0.979	1.00
66	31:34	1.00	1.003	1.00	80.00	80.00	0.763	0.763	1.00
67	31:28	1.00	0.999	1.00	80.00	80.00	0.326	0.326	1.00
68	31:45	1.00	1.008	1.00	80.00	80.00	0.821	0.821	1.00
69	28:08	1.00	0.894	1.00	80.00	80.00	0.845	0.845	1.00
70	36:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:34	1.00	0.920	1.00	80.00	80.00	1.241	1.241	1.00
72	34:54	1.00	0.957	1.00	80.00	80.00	1.077	1.077	1.00
73	35:01	1.00	0.960	1.00	80.00	80.00	0.935	0.935	1.00
74	36:14	1.00	0.994	1.00	80.00	80.00	1.017	1.017	1.00
75	42:17	1.00	1.160	1.00	80.00	80.00	0.941	0.941	1.00
76	42:27	1.00	1.164	1.00	80.00	80.00	0.869	0.869	1.00
77	44:04	1.00	1.208	1.00	80.00	80.00	0.894	0.894	1.00

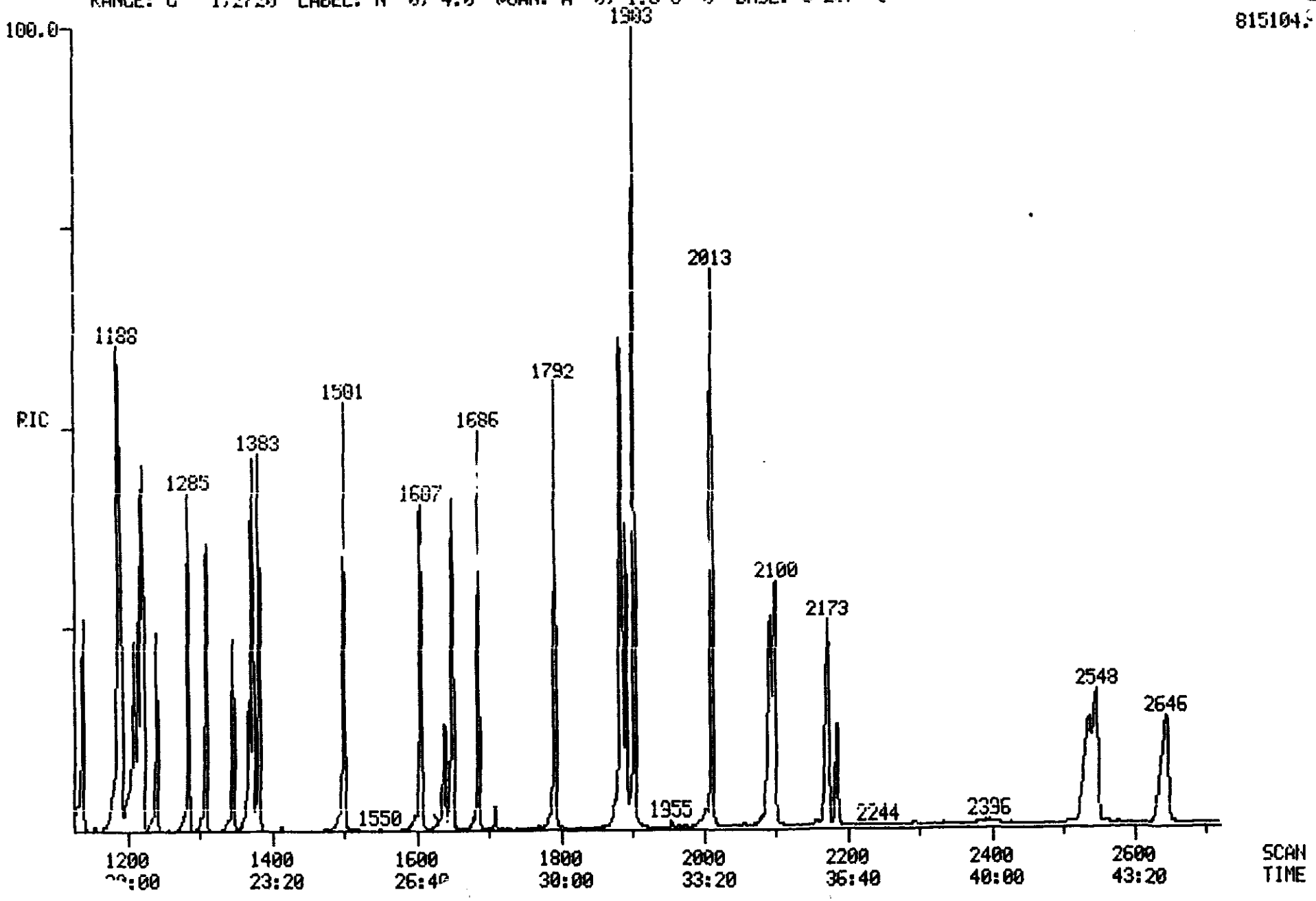
RIC DATA: T2626 #1 SCANS 250 TO 1125
05/16/90 19:09:00 CALI: T2626 #2
SAMPLE: CLP,,,SSTD120,,,22739,P,IC120,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



200074

RIC DATA: T2626 #1 SCANS 1125 TO 2720
05/16/90 19:09:00 CALI: T2626 #2
SAMPLE: CLP,,,SSTD120,,,22729,P,IC120,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN038C TO 30208C/MIN
RANGE: C 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 2

815104.



Quantitation Report File: T2626

Data: T2626.TI
05/16/90 19:09:00
Sample: CLP,,,SSTD120,,,P2739,B,IC120,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: ---

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	534	8:54	1	1.000	A BB	29943.	40.000	NG/UL	0.46
2	128	506	8:26	1	0.948	A BB	123201.	120.000	NG.	1.37
3	94	490	8:10	1	0.918	A BV	188151.	120.000	NG.	1.37
4	93	503	8:23	1	0.942	A VB	154995.	120.000	NG	1.37
5	146	528	8:48	1	0.989	A BV	129380.	120.000	NG	1.37
6	146	536	8:56	1	1.004	A VB	135956.	120.000	NG.	1.37
7	146	567	9:27	1	1.062	A BB	124606.	120.000	NG	1.37
8	108	563	9:23	1	1.054	A BB	90109.	120.000	NG	1.37
9	45	589	9:49	1	1.103	A BB	311837.	120.000	NG	1.37
10	108	585	9:45	1	1.096	A BB	126872.	120.000	NG	1.37
11	117	615	10:15	1	1.152	A BB	71231.	120.000	NG	1.37
12	108	610	10:10	1	1.142	A BB	132514.	120.000	NG	1.37
13	70	615	10:15	1	1.152	A BB	137456.	120.000	NG.	1.37
14	112	353	5:53	1	0.661	A BB	121617.	120.000	NG*A1	1.37
15	99	488	8:08	1	0.914	A BB	163279.	120.000	NG*A2	1.37
16	136	753	12:33	16	1.000	A BB	90925.	40.000	NG/UL	0.46
17	77	637	10:37	16	0.846	A BB	199281.	120.000	NG	1.37
18	82	677	11:17	16	0.899	A BB	345890.	120.000	NG	1.37
19	139	691	11:31	16	0.918	A BB	68438.	120.000	NG	1.37
20	107	701	11:41	16	0.931	A BB	147417.	120.000	NG	1.37
21	93	721	12:01	16	0.958	A BB	204010.	120.000	NG	1.37
22	162	732	12:12	16	0.972	A BB	101511.	120.000	NG	1.37
23	180	746	12:26	16	0.991	A BB	104452.	120.000	NG.	1.37
24	128	757	12:37	16	1.005	A BB	336486.	120.000	NG	1.37
25	122	729	12:09	16	0.968	A BB	47219.	120.000	NG	1.37
26	127	775	12:55	16	1.029	A BB	165954.	120.000	NG	1.37
27	225	789	13:09	16	1.048	A BB	70285.	120.000	NG	1.37
28	107	866	14:26	16	1.150	A BB	137539.	120.000	NG.	1.37
29	142	885	14:45	16	1.175	A BB	219988.	120.000	NG	1.37
30	82	634	10:34	16	0.842	A BB	189362.	120.000	NG*B1	1.37
31	164	1086	18:06	31	1.000	A BB	62201.	40.000	NG/UL	0.46
32	237	926	15:26	31	0.853	A BB	90840.	120.000	NG	1.37
33	196	945	15:45	31	0.870	A BV	77222.	120.000	NG	1.37
34	196	951	15:51	31	0.876	A VB	72286.	120.000	NG	1.37
35	162	976	16:16	31	0.899	A BB	224226.	120.000	NG	1.37
36	65	1008	16:48	31	0.928	A BB	160777.	120.000	NG	1.37
37	152	1057	17:37	31	0.973	A BB	351144.	120.000	NG	1.37
38	163	1051	17:31	31	0.968	A BB	270490.	120.000	NG	1.37
39	165	1065	17:45	31	0.981	A VB	64651.	120.000	NG	1.37
40	153	1093	18:13	31	1.006	A BB	226315.	120.000	NG.	1.37
41	138	1090	18:10	31	1.004	A BB	84193.	120.000	NG	1.37
42	184	1108	18:28	31	1.020	A BB	45734.	120.000	NG	1.37
43	168	1123	18:43	31	1.034	A VB	325122.	120.000	NG	1.37
44	109	1124	18:44	31	1.035	A BB	72760.	120.000	NG.	1.37
45	165	1138	18:58	31	1.048	A BB	91617.	120.000	NG.	1.37
46	166	1189	19:49	31	1.095	A BB	270056.	120.000	NG	1.37
47	204	1192	19:52	31	1.098	A BB	138579.	120.000	NG	1.37
48	149	1187	19:47	31	1.093	A BB	327940.	120.000	NG	1.37
49	138	1210	20:10	31	1.114	A BB	70783.	120.000	NG	1.37
50	198	1215	20:15	31	1.119	A VB	48262.	120.000	NG	1.37

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:26	1.00	0.948	1.00	120.00	120.00	1.372	1.372	1.00
3	8:10	1.00	0.918	1.00	120.00	120.00	2.095	2.095	1.00
4	8:23	1.00	0.942	1.00	120.00	120.00	1.725	1.725	1.00
5	8:48	1.00	0.989	1.00	120.00	120.00	1.440	1.440	1.00
6	8:56	1.00	1.004	1.00	120.00	120.00	1.513	1.513	1.00
7	9:27	1.00	1.062	1.00	120.00	120.00	1.387	1.387	1.00
8	9:23	1.00	1.054	1.00	120.00	120.00	1.003	1.003	1.00
9	9:49	1.00	1.103	1.00	120.00	120.00	3.471	3.471	1.00
10	9:45	1.00	1.096	1.00	120.00	120.00	1.412	1.412	1.00
11	10:15	1.00	1.152	1.00	120.00	120.00	0.793	0.793	1.00
12	10:10	1.00	1.142	1.00	120.00	120.00	1.475	1.475	1.00
13	10:15	1.00	1.152	1.00	120.00	120.00	1.530	1.530	1.00
14	5:53	1.00	0.661	1.00	120.00	120.00	1.354	1.354	1.00
15	8:08	1.00	0.914	1.00	120.00	120.00	1.818	1.818	1.00
16	12:33	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:37	1.00	0.846	1.00	120.00	120.00	0.731	0.731	1.00
18	11:17	1.00	0.899	1.00	120.00	120.00	1.268	1.268	1.00
19	11:31	1.00	0.918	1.00	120.00	120.00	0.251	0.251	1.00
20	11:41	1.00	0.931	1.00	120.00	120.00	0.540	0.540	1.00
21	12:01	1.00	0.958	1.00	120.00	120.00	0.748	0.748	1.00
22	12:12	1.00	0.972	1.00	120.00	120.00	0.372	0.372	1.00
23	12:26	1.00	0.991	1.00	120.00	120.00	0.383	0.383	1.00
24	12:37	1.00	1.005	1.00	120.00	120.00	1.234	1.234	1.00
25	12:09	1.00	0.968	1.00	120.00	120.00	0.173	0.173	1.00
26	12:55	1.00	1.029	1.00	120.00	120.00	0.608	0.608	1.00
27	13:09	1.00	1.048	1.00	120.00	120.00	0.258	0.258	1.00
28	14:26	1.00	1.150	1.00	120.00	120.00	0.504	0.504	1.00
29	14:45	1.00	1.175	1.00	120.00	120.00	0.806	0.806	1.00
30	10:34	1.00	0.842	1.00	120.00	120.00	0.694	0.694	1.00
31	18:06	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:26	1.00	0.853	1.00	120.00	120.00	0.487	0.487	1.00
33	15:45	1.00	0.870	1.00	120.00	120.00	0.414	0.414	1.00
34	15:51	1.00	0.876	1.00	120.00	120.00	0.387	0.387	1.00
35	16:16	1.00	0.899	1.00	120.00	120.00	1.202	1.202	1.00
36	16:48	1.00	0.928	1.00	120.00	120.00	0.862	0.862	1.00
37	17:37	1.00	0.973	1.00	120.00	120.00	1.882	1.882	1.00
38	17:31	1.00	0.968	1.00	120.00	120.00	1.450	1.450	1.00
39	17:45	1.00	0.981	1.00	120.00	120.00	0.346	0.346	1.00
40	18:13	1.00	1.006	1.00	120.00	120.00	1.213	1.213	1.00
41	18:10	1.00	1.004	1.00	120.00	120.00	0.451	0.451	1.00
42	18:28	1.00	1.020	1.00	120.00	120.00	0.245	0.245	1.00
43	18:43	1.00	1.034	1.00	120.00	120.00	1.742	1.742	1.00
44	18:44	1.00	1.035	1.00	120.00	120.00	0.390	0.390	1.00
45	18:58	1.00	1.048	1.00	120.00	120.00	0.491	0.491	1.00
46	19:49	1.00	1.095	1.00	120.00	120.00	1.447	1.447	1.00
47	19:52	1.00	1.098	1.00	120.00	120.00	0.743	0.743	1.00
48	19:47	1.00	1.093	1.00	120.00	120.00	1.757	1.757	1.00
49	20:10	1.00	1.114	1.00	120.00	120.00	0.379	0.379	1.00
50	20:15	1.00	1.119	1.00	120.00	120.00	0.259	0.259	1.00

Quantitation Report File: T2626

Data: T2626.TI
05/16/90 19:09:00
Sample: CLP,,,SSTD120,,,22739,B,IC120,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: - -

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

No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

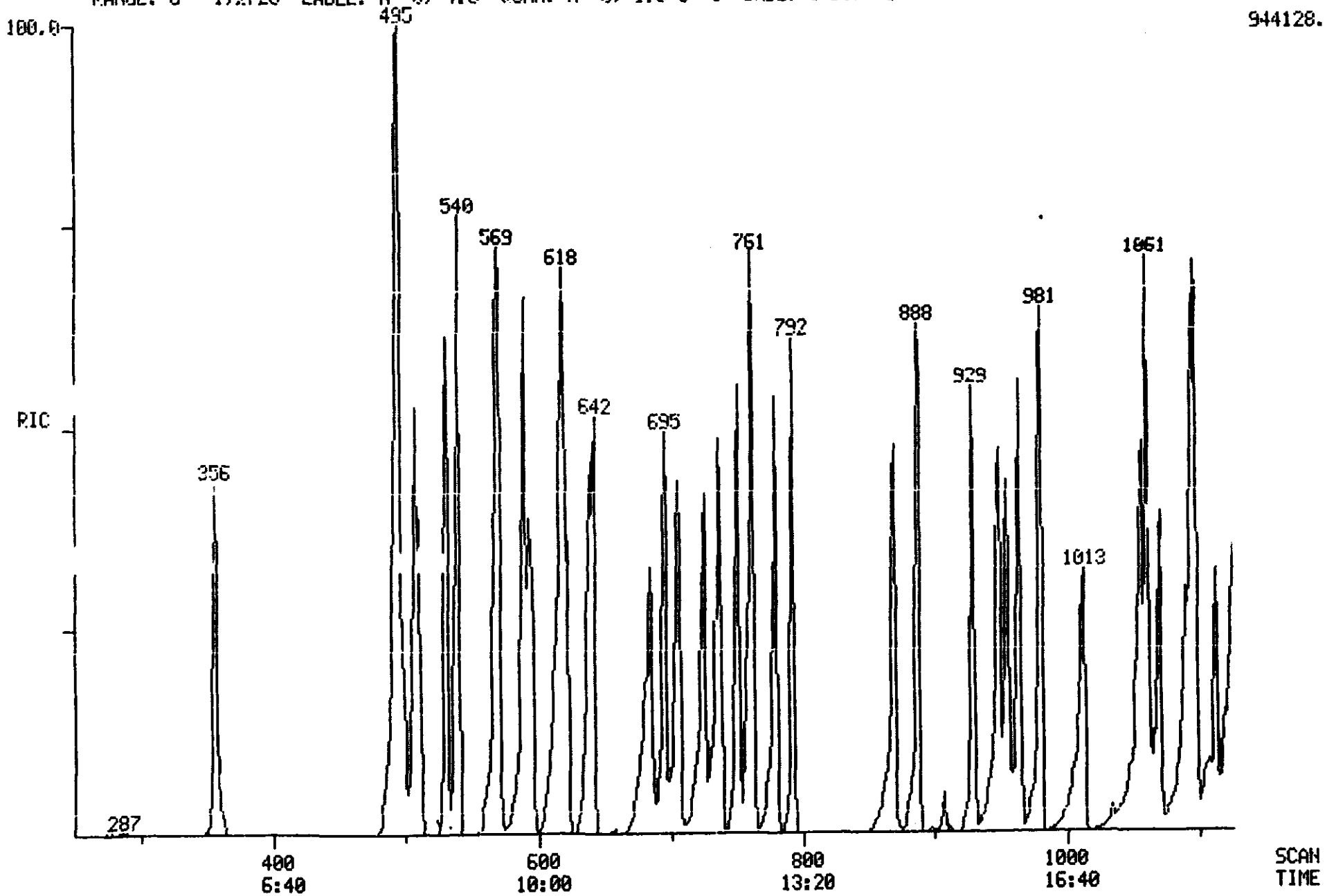
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	169	1219	20:19	31	1.122	A BB	198223.	120.000	NG	1.37
52	248	1285	21:25	31	1.183	A BB	105392.	120.000	NG	1.37
53	284	1309	21:49	31	1.205	A BB	128828.	120.000	NG	1.37
54	172	960	16:00	31	0.884	A BB	234079.	120.000	NG*B2	1.37
55	188	1369	22:49	55	1.000	A BB	132563.	40.000	NG/UL	0.46
56	266	1346	22:26	55	0.983	A BB	74392.	120.000	NG.	1.37
57	178	1374	22:54	55	1.004	A BV	418518.	120.000	NG	1.37
58	178	1383	23:03	55	1.010	A VB	359672.	120.000	NG	1.37
59	149	1500	25:00	55	1.096	A BB	516597.	120.000	NG	1.37
60	202	1606	26:46	55	1.173	A VB	412352.	120.000	NG	1.37
61	202	1650	27:30	63	0.874	A BB	457364.	120.000	NG.	1.37
62	330	1240	20:40	31	1.142	A BB	71726.	120.000	NG*A3	1.37
63	240	1887	31:27	63	1.000	A VB	139673.	40.000	NG/UL	0.46
64	149	1792	29:52	63	0.950	A BB	264712.	120.000	NG	1.37
65	228	1884	31:24	63	0.998	A BV	416676.	120.000	NG	1.37
66	228	1892	31:32	63	1.003	A VB	300022.	120.000	NG	1.37

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	1885	31:25	63	0.999	A VB	127397.	120.000	NG	1.37
68	149	1903	31:43	63	1.008	A BB	360522.	120.000	NG	1.37
69	244	1686	28:06	63	0.893	A BB	345213.	120.000	NG+B3	1.37
70	264	2186	36:26	70	1.000	A VB	165314.	40.000	NG/UL	0.46
71	149	2012	33:32	70	0.920	A BB	546486.	120.000	NG	1.37
72	252	2093	34:53	70	0.957	A BV	491527.	120.000	NG	1.37
73	252	2099	34:59	70	0.960	A VB	351996.	120.000	NG	1.37
74	252	2173	36:13	70	0.994	A VB	425484.	120.000	NG	1.37
75	276	2538	42:18	70	1.161	A BV	443432.	120.000	NG	1.37
76	278	2548	42:28	70	1.166	A BB	391524.	120.000	NG	1.37
77	276	2646	44:06	70	1.210	A BB	412106.	120.000	NG	1.37

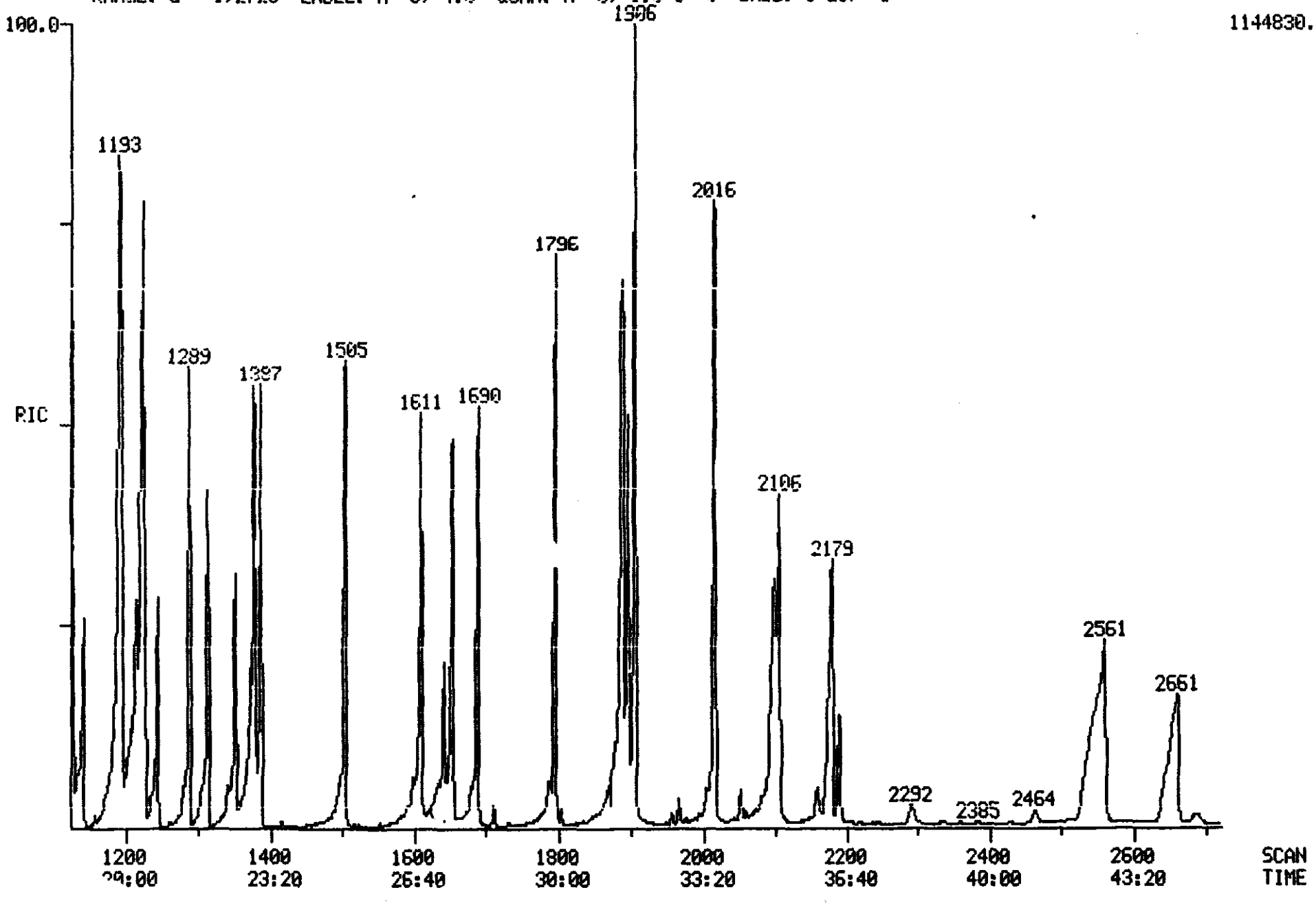
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:19	1.00	1.122	1.00	120.00	120.00	1.062	1.062	1.00
52	21:25	1.00	1.183	1.00	120.00	120.00	0.565	0.565	1.00
53	21:49	1.00	1.205	1.00	120.00	120.00	0.690	0.690	1.00
54	16:00	1.00	0.884	1.00	120.00	120.00	1.254	1.254	1.00
55	22:49	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:26	1.00	0.983	1.00	120.00	120.00	0.187	0.187	1.00
57	22:54	1.00	1.004	1.00	120.00	120.00	1.052	1.052	1.00
58	23:03	1.00	1.010	1.00	120.00	120.00	0.904	0.904	1.00
59	25:00	1.00	1.096	1.00	120.00	120.00	1.299	1.299	1.00
60	26:46	1.00	1.173	1.00	120.00	120.00	1.037	1.037	1.00
61	27:30	1.00	0.874	1.00	120.00	120.00	1.092	1.092	1.00
62	20:40	1.00	1.142	1.00	120.00	120.00	0.384	0.384	1.00
63	31:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	29:52	1.00	0.950	1.00	120.00	120.00	0.632	0.632	1.00
65	31:24	1.00	0.998	1.00	120.00	120.00	0.994	0.994	1.00
66	31:32	1.00	1.003	1.00	120.00	120.00	0.716	0.716	1.00
67	31:25	1.00	0.999	1.00	120.00	120.00	0.304	0.304	1.00
68	31:43	1.00	1.008	1.00	120.00	120.00	0.860	0.860	1.00
69	28:06	1.00	0.893	1.00	120.00	120.00	0.824	0.824	1.00
70	36:26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:32	1.00	0.920	1.00	120.00	120.00	1.102	1.102	1.00
72	34:53	1.00	0.957	1.00	120.00	120.00	0.991	0.991	1.00
73	34:59	1.00	0.960	1.00	120.00	120.00	0.710	0.710	1.00
74	36:13	1.00	0.994	1.00	120.00	120.00	0.858	0.858	1.00
75	42:18	1.00	1.161	1.00	120.00	120.00	0.894	0.894	1.00
76	42:28	1.00	1.166	1.00	120.00	120.00	0.789	0.789	1.00
77	44:06	1.00	1.210	1.00	120.00	120.00	0.831	0.831	1.00

RIC DATA: T2625 #1 SCANS 250 TO 1125
05/16/90 18:16:00 CALI: T2625 #2
SAMPLE: CLP,,,SSTD160,,,22659,B,IC160,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

200081



RIC DATA: T2625 #1 SCANS 1125 TO 2720
05/16/90 18:16:00 CALI: T2625 #2
SAMPLE. CLP,,,SSTD160,,,22659,B,IC160,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 CUAN: A 0, 1.0 J 0 BASE: U 20, 3



200082

Quantitation Report File: T2625

Data: T2625.TI
05/16/90 18:16:00
Sample: CLP,,,SSTD160,,,22659,B,IC160,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: ____

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	537	8:57	1	1.000	A BB	52204.	40.000	NG/UL	0.34
2	128	510	8:30	1	0.950	A BB	294474.	160.000	NG.	1.38
3	94	495	8:15	1	0.922	A BV	417611.	160.000	NG.	1.38
4	93	507	8:27	1	0.944	A VB	320458.	160.000	NG	1.38
5	146	531	8:51	1	0.989	A BV	313046.	160.000	NG	1.38
6	146	540	9:00	1	1.006	A VB	307528.	160.000	NG.	1.38
7	146	570	9:30	1	1.061	A BB	291231.	160.000	NG	1.38
8	108	567	9:27	1	1.056	A BB	210691.	160.000	NG	1.38
9	45	593	9:53	1	1.104	A BB	674595.	160.000	NG	1.38
10	108	589	9:49	1	1.097	A BB	287189.	160.000	NG	1.38
11	117	618	10:18	1	1.151	A BB	161757.	160.000	NG	1.38
12	108	615	10:15	1	1.145	A BB	305416.	160.000	NG	1.38
13	70	622	10:22	1	1.158	A BB	297896.	160.000	NG.	1.38
14	112	356	5:56	1	0.663	A BB	275917.	160.000	NG*A1	1.38
15	99	493	8:13	1	0.918	A BB	372854.	160.000	NG*A2	1.38
16	136	757	12:37	16	1.000	A BB	159478.	40.000	NG/UL	0.31
17	77	642	10:42	16	0.848	A BB	423219.	160.000	NG	1.38
18	82	684	11:24	16	0.904	A BB	767415.	160.000	NG	1.38
19	139	695	11:35	16	0.918	A VB	167512.	160.000	NG	1.38
20	107	705	11:45	16	0.931	A BB	348368.	160.000	NG	1.38
21	93	725	12:05	16	0.958	A BB	467194.	160.000	NG	1.38
22	162	736	12:16	16	0.972	A BB	251859.	160.000	NG	1.38
23	180	750	12:30	16	0.991	A BB	244897.	160.000	NG.	1.38
24	128	761	12:41	16	1.005	A BB	669823.	160.000	NG	1.38
25	122	725	12:05	16	0.958	A BV	20684.	160.000	NG	1.38
26	127	779	12:59	16	1.029	A BB	386701.	160.000	NG	1.38
27	225	792	13:12	16	1.046	A BB	155264.	160.000	NG	1.38
28	107	870	14:30	16	1.149	A BB	312654.	160.000	NG.	1.38
29	142	888	14:48	16	1.173	A BB	471772.	160.000	NG	1.38
30	82	638	10:38	16	0.843	A BB	421528.	160.000	NG*B1	1.38
31	164	1090	18:10	31	1.000	A BB	104475.	40.000	NG/UL	0.34
32	237	929	15:29	31	0.852	A BB	207805.	160.000	NG	1.38
33	196	949	15:49	31	0.871	A BV	201788.	160.000	NG	1.38
34	196	955	15:55	31	0.876	A VB	132139.	160.000	NG	1.38
35	162	981	16:21	31	0.900	A BB	486701.	160.000	NG	1.38
36	65	1013	16:53	31	0.929	A BB	326293.	160.000	NG	1.38
37	152	1061	17:41	31	0.973	A BB	750202.	160.000	NG	1.38
38	163	1056	17:36	31	0.969	A BB	540566.	160.000	NG	1.38
39	165	1070	17:50	31	0.982	A VB	131189.	160.000	NG	1.38
40	153	1097	18:17	31	1.006	A BB	485462.	160.000	NG.	1.38
41	138	1095	18:15	31	1.005	A BB	176415.	160.000	NG	1.38
42	184	1113	18:33	31	1.021	A VB	61240.	160.000	NG	1.38
43	168	1127	18:47	31	1.034	A BB	642112.	160.000	NG	1.38
44	109	1129	18:49	31	1.036	A VB	103393.	160.000	NG.	1.38
45	165	1143	19:03	31	1.049	A BB	180413.	160.000	NG.	1.38
46	166	1194	19:54	31	1.095	A BB	522688.	160.000	NG	1.38
47	204	1196	19:56	31	1.097	A BB	275319.	160.000	NG	1.38
48	149	1192	19:52	31	1.094	A BB	598210.	160.000	NG	1.38
49	138	1216	20:16	31	1.116	A VB	83674.	160.000	NG	1.38
50	198	1221	20:21	31	1.120	A VB	74493.	160.000	NG	1.38

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:30	1.00	0.950	1.00	160.00	160.00	1.410	1.410	1.00
3	8:15	1.00	0.922	1.00	160.00	160.00	2.000	2.000	1.00
4	8:27	1.00	0.944	1.00	160.00	160.00	1.535	1.535	1.00
5	8:51	1.00	0.989	1.00	160.00	160.00	1.499	1.499	1.00
6	9:00	1.00	1.006	1.00	160.00	160.00	1.473	1.473	1.00
7	9:30	1.00	1.061	1.00	160.00	160.00	1.395	1.395	1.00
8	9:27	1.00	1.056	1.00	160.00	160.00	1.009	1.009	1.00
9	9:53	1.00	1.104	1.00	160.00	160.00	3.231	3.231	1.00
10	9:49	1.00	1.097	1.00	160.00	160.00	1.375	1.375	1.00
11	10:18	1.00	1.151	1.00	160.00	160.00	0.775	0.775	1.00
12	10:15	1.00	1.145	1.00	160.00	160.00	1.463	1.463	1.00
13	10:22	1.00	1.158	1.00	160.00	160.00	1.427	1.427	1.00
14	5:56	1.00	0.663	1.00	160.00	160.00	1.321	1.321	1.00
15	8:13	1.00	0.918	1.00	160.00	160.00	1.786	1.786	1.00
16	12:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:42	1.00	0.848	1.00	160.00	160.00	0.663	0.663	1.00
18	11:24	1.00	0.904	1.00	160.00	160.00	1.203	1.203	1.00
19	11:35	1.00	0.918	1.00	160.00	160.00	0.263	0.263	1.00
20	11:45	1.00	0.931	1.00	160.00	160.00	0.546	0.546	1.00
21	12:05	1.00	0.958	1.00	160.00	160.00	0.732	0.732	1.00
22	12:16	1.00	0.972	1.00	160.00	160.00	0.395	0.395	1.00
23	12:30	1.00	0.991	1.00	160.00	160.00	0.384	0.384	1.00
24	12:41	1.00	1.005	1.00	160.00	160.00	1.050	1.050	1.00
25	12:05	1.00	0.958	1.00	160.00	160.00	0.032	0.032	1.00
26	12:59	1.00	1.029	1.00	160.00	160.00	0.606	0.606	1.00
27	13:12	1.00	1.046	1.00	160.00	160.00	0.243	0.243	1.00
28	14:30	1.00	1.149	1.00	160.00	160.00	0.490	0.490	1.00
29	14:48	1.00	1.173	1.00	160.00	160.00	0.740	0.740	1.00
30	10:38	1.00	0.843	1.00	160.00	160.00	0.661	0.661	1.00
31	18:10	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:29	1.00	0.852	1.00	160.00	160.00	0.497	0.497	1.00
33	15:49	1.00	0.871	1.00	160.00	160.00	0.483	0.483	1.00
34	15:55	1.00	0.876	1.00	160.00	160.00	0.316	0.316	1.00
35	16:21	1.00	0.900	1.00	160.00	160.00	1.165	1.165	1.00
36	16:53	1.00	0.929	1.00	160.00	160.00	0.781	0.781	1.00
37	17:41	1.00	0.973	1.00	160.00	160.00	1.795	1.795	1.00
38	17:36	1.00	0.969	1.00	160.00	160.00	1.294	1.294	1.00
39	17:50	1.00	0.982	1.00	160.00	160.00	0.314	0.314	1.00
40	18:17	1.00	1.006	1.00	160.00	160.00	1.162	1.162	1.00
41	18:15	1.00	1.005	1.00	160.00	160.00	0.422	0.422	1.00
42	18:33	1.00	1.021	1.00	160.00	160.00	0.147	0.147	1.00
43	18:47	1.00	1.034	1.00	160.00	160.00	1.537	1.537	1.00
44	18:49	1.00	1.036	1.00	160.00	160.00	0.247	0.247	1.00
45	19:03	1.00	1.049	1.00	160.00	160.00	0.432	0.432	1.00
46	19:54	1.00	1.095	1.00	160.00	160.00	1.251	1.251	1.00
47	19:56	1.00	1.097	1.00	160.00	160.00	0.659	0.659	1.00
48	19:52	1.00	1.094	1.00	160.00	160.00	1.431	1.431	1.00
49	20:16	1.00	1.116	1.00	160.00	160.00	0.200	0.200	1.00
50	20:21	1.00	1.120	1.00	160.00	160.00	0.178	0.178	1.00

Quantitation Report File: T2625

Data: T2625.TI
05/16/90 18:16:00
Sample: CLP,,,SSTD160,,,22659,B,IC160,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: ____

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

No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

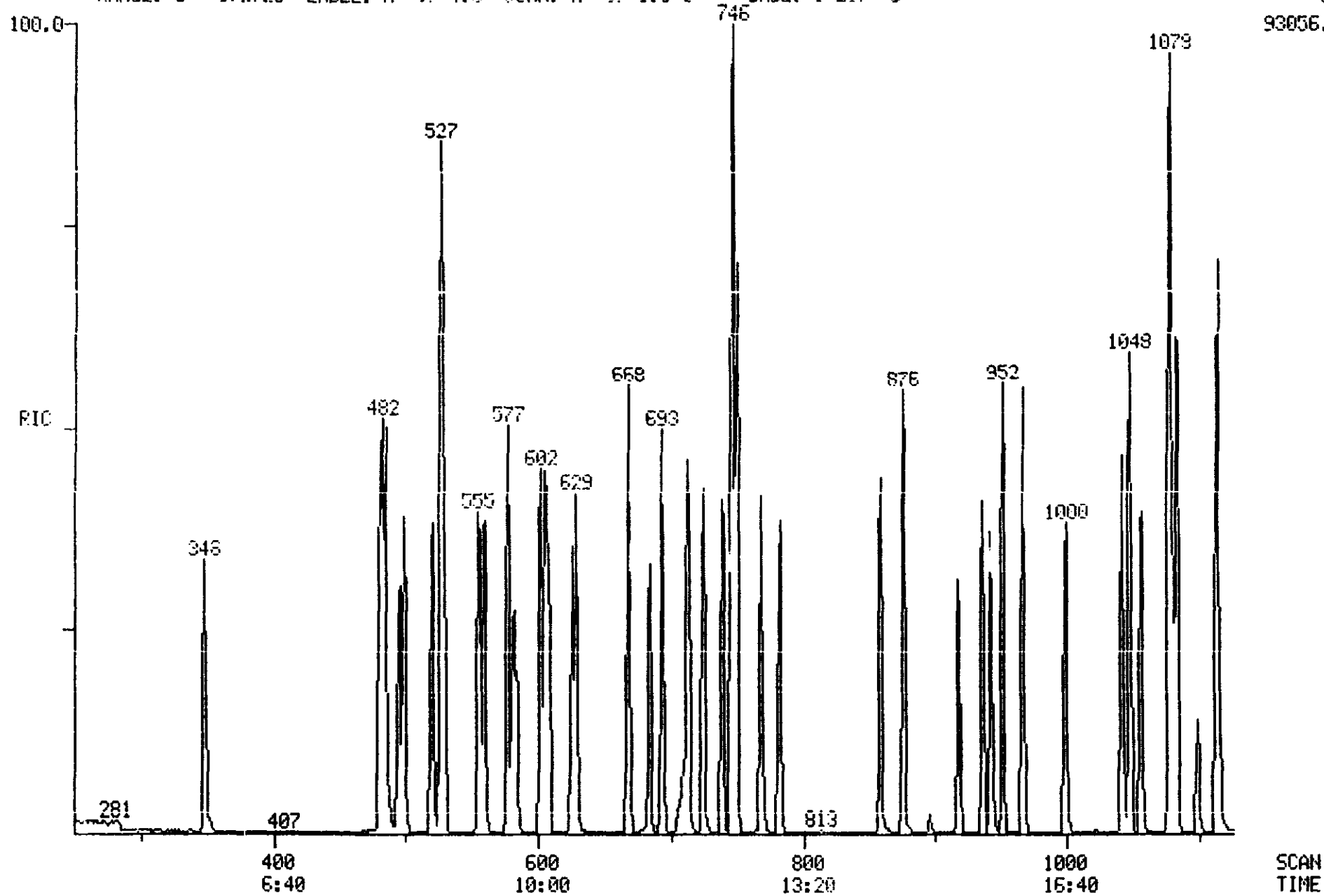
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	169	1224	20:24	31	1.123	A BB	397022.	160.000	NG	1.38
52	248	1289	21:29	31	1.183	A BB	216986.	160.000	NG	1.38
53	284	1313	21:53	31	1.205	A BB	264131.	160.000	NG	1.38
54	172	964	16:04	31	0.884	A BB	495799.	160.000	NG*B2	1.38
55	188	1372	22:52	55	1.000	A BB	195338.	40.000	NG/UL	0.34
56	266	1351	22:31	55	0.985	A BB	149439.	160.000	NG.	1.38
57	178	1378	22:58	55	1.004	A BV	745792.	160.000	NG	1.38
58	178	1387	23:07	55	1.011	A VB	571520.	160.000	NG	1.38
59	149	1504	25:04	55	1.096	A BB	884830.	160.000	NG	1.38
60	202	1611	26:51	55	1.174	A VB	654504.	160.000	NG	1.38
61	202	1654	27:34	63	0.875	A BB	760764.	160.000	NG.	1.38
62	330	1244	20:44	31	1.141	A BB	141977.	160.000	NG*A3	1.38
63	240	1890	31:30	63	1.000	A VB	183018.	40.000	NG/UL	0.34
64	149	1796	29:56	63	0.950	A BB	448764.	160.000	NG	1.38
65	228	1887	31:27	63	0.998	A VV	721776.	160.000	NG	1.38
66	228	1896	31:36	63	1.003	A VB	466496.	160.000	NG	1.38

200086

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	1889	31:29	63	0.999	A VB	222972.	160.000	NG	1.38
68	149	1906	31:46	63	1.008	A BB	658090.	160.000	NG	1.38
69	244	1690	28:10	63	0.894	A BB	596924.	160.000	NG+B3	1.38
70	264	2190	36:30	70	1.000	A BB	243684.	40.000	NG/UL	0.34
71	149	2016	33:36	70	0.921	A BB	937704.	160.000	NG	1.38
72	252	2099	34:59	70	0.958	A BV	821562.	160.000	NG	1.38
73	252	2106	35:06	70	0.962	A VB	580720.	160.000	NG	1.38
74	252	2179	36:19	70	0.995	A BB	781339.	160.000	NG	1.38
75	276	2549	42:29	70	1.164	A VB	436316.	160.000	NG	1.38
76	278	2561	42:41	70	1.169	A BB	726366.	160.000	NG	1.38
77	276	2661	44:21	70	1.215	A BB	733832.	160.000	NG	1.38

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:24	1.00	1.123	1.00	160.00	160.00	0.950	0.950	1.00
52	21:29	1.00	1.183	1.00	160.00	160.00	0.519	0.519	1.00
53	21:53	1.00	1.205	1.00	160.00	160.00	0.632	0.632	1.00
54	16:04	1.00	0.884	1.00	160.00	160.00	1.186	1.186	1.00
55	22:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:31	1.00	0.985	1.00	160.00	160.00	0.191	0.191	1.00
57	22:58	1.00	1.004	1.00	160.00	160.00	0.954	0.954	1.00
58	23:07	1.00	1.011	1.00	160.00	160.00	0.731	0.731	1.00
59	25:04	1.00	1.096	1.00	160.00	160.00	1.132	1.132	1.00
60	26:51	1.00	1.174	1.00	160.00	160.00	0.838	0.838	1.00
61	27:34	1.00	0.875	1.00	160.00	160.00	1.039	1.039	1.00
62	20:44	1.00	1.141	1.00	160.00	160.00	0.340	0.340	1.00
63	31:30	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	29:56	1.00	0.950	1.00	160.00	160.00	0.613	0.613	1.00
65	31:27	1.00	0.998	1.00	160.00	160.00	0.986	0.986	1.00
66	31:36	1.00	1.003	1.00	160.00	160.00	0.637	0.637	1.00
67	31:29	1.00	0.999	1.00	160.00	160.00	0.305	0.305	1.00
68	31:46	1.00	1.008	1.00	160.00	160.00	0.899	0.899	1.00
69	28:10	1.00	0.894	1.00	160.00	160.00	0.815	0.815	1.00
70	36:30	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:36	1.00	0.921	1.00	160.00	160.00	0.962	0.962	1.00
72	34:59	1.00	0.958	1.00	160.00	160.00	0.843	0.843	1.00
73	35:06	1.00	0.962	1.00	160.00	160.00	0.596	0.596	1.00
74	36:19	1.00	0.995	1.00	160.00	160.00	0.802	0.802	1.00
75	42:29	1.00	1.164	1.00	160.00	160.00	0.448	0.448	1.00
76	42:41	1.00	1.169	1.00	160.00	160.00	0.745	0.745	1.00
77	44:21	1.00	1.215	1.00	160.00	160.00	0.753	0.753	1.00

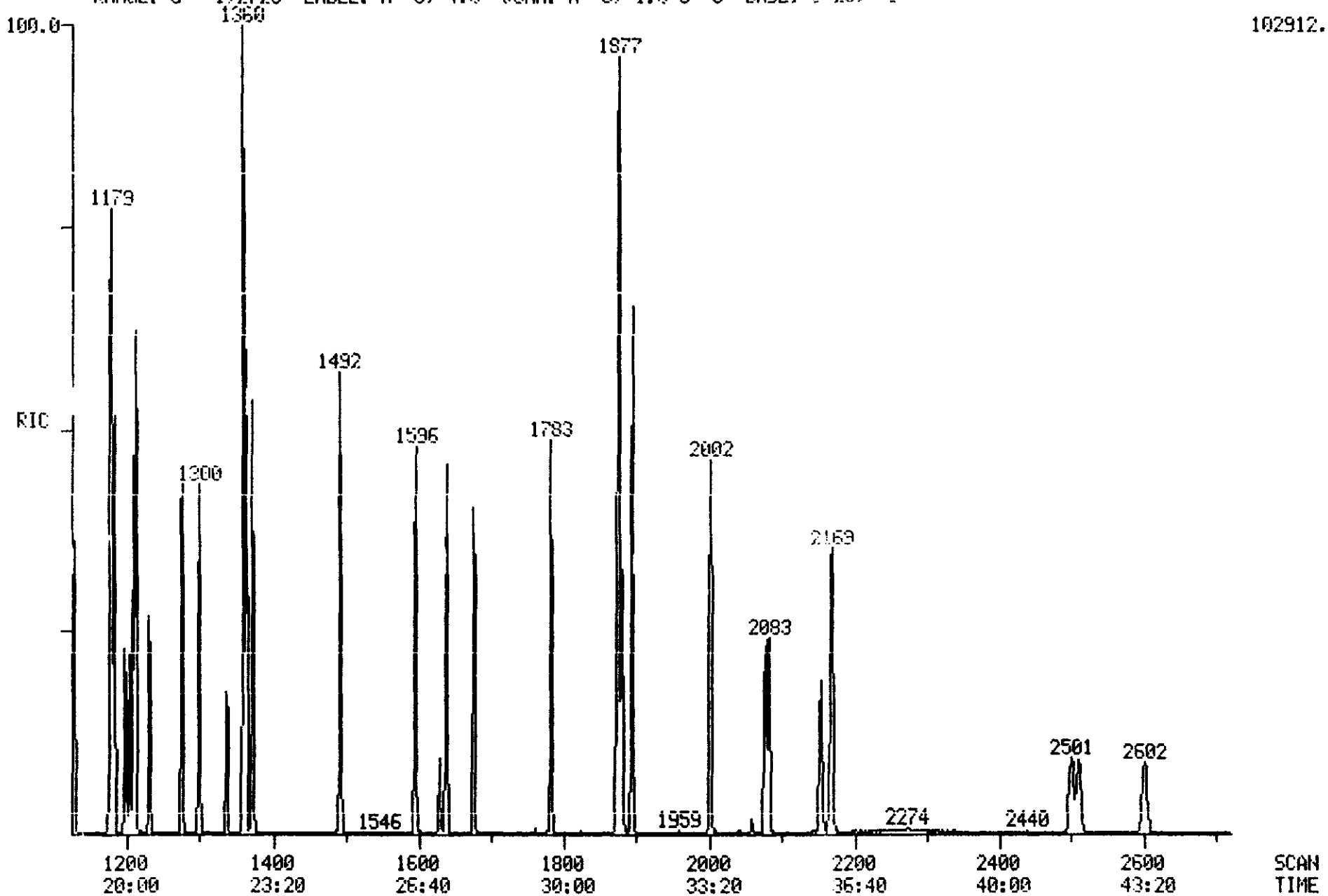
RIC DATA: T2661 #1 SCANS 250 TO 1125
05/18/90 19:36:00 CALI: T2661 #2
SAMPLE: CLP,,,SSTD20,,,22662,B,IC20,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
RANGE: C 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



000088

RIC DATA: T2661 #1 SCANS 1125 TO 2720
05/18/90 19:36:00 CALI: T2661 #2
SAMPLE: CLP,,SSTD20,,22662,B,IC20,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN038C TO 302080/MIN
RANGE: C 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

200089



Quantitation Report File: T2661

Data: T2661.TI
05/18/90 19:36:00
Sample: CLP,,,SSTD20,,,22662,B,IC20,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: ---

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	527	8:47	1	1.000	A BB	26257.	40.000	NG/UL	2.41
2	128	499	8:19	1	0.947	A BB	18452.	20.000	NG.	1.20
3	94	482	8:02	1	0.915	A BB	27652.	20.000	NG.	1.20
4	93	495	8:15	1	0.939	A VB	24511.	20.000	NG	1.20
5	146	520	8:40	1	0.987	A BB	20735.	20.000	NG	1.20
6	146	529	8:49	1	1.004	A BB	21487.	20.000	NG.	1.20
7	146	559	9:19	1	1.061	A BB	20110.	20.000	NG	1.20
8	108	555	9:15	1	1.053	A BB	12382.	20.000	NG	1.20
9	45	582	9:42	1	1.104	A BB	45086.	20.000	NG	1.20
10	108	577	9:37	1	1.095	A BB	18258.	20.000	NG	1.20
11	117	608	10:08	1	1.154	A BB	10496.	20.000	NG	1.20
12	108	602	10:02	1	1.142	A BB	18569.	20.000	NG	1.20
13	70	605	10:05	1	1.148	A BB	20682.	20.000	NG.	1.20
14	112	348	5:48	1	0.660	A BB	17086.	20.000	NG*A1	1.20
15	99	481	8:01	1	0.913	A BB	23676.	20.000	NG*A2	1.20
16	136	745	12:25	16	1.000	A BB	80173.	40.000	NG/UL	2.41
17	77	629	10:29	16	0.844	A BB	27997.	20.000	NG	1.20
18	82	668	11:08	16	0.897	A BB	50452.	20.000	NG	1.20
19	139	684	11:24	16	0.918	A BB	10277.	20.000	NG	1.20
20	107	693	11:33	16	0.930	A BB	20952.	20.000	NG	1.20
21	93	712	11:52	16	0.956	A BB	31888.	20.000	NG	1.20
22	162	724	12:04	16	0.972	A BB	15227.	20.000	NG	1.20
23	180	738	12:18	16	0.991	A BB	16726.	20.000	NG.	1.20
24	128	749	12:29	16	1.005	A BB	58878.	20.000	NG	1.20
25	122	711	11:51	16	0.954	A BB	7559.	20.000	NG	1.20
26	127	767	12:47	16	1.030	A BB	24449.	20.000	NG	1.20
27	225	782	13:02	16	1.050	A BB	10615.	20.000	NG	1.20
28	107	859	14:19	16	1.153	A BB	19559.	20.000	NG.	1.20
29	142	876	14:36	16	1.176	A BB	33883.	20.000	NG	1.20
30	82	626	10:26	16	0.840	A BB	25814.	20.000	NG*B1	1.20
31	164	1078	17:58	31	1.000	A BB	49231.	40.000	NG/UL	2.41
32	237	918	15:18	31	0.852	A BB	10318.	20.000	NG	1.20
33	196	937	15:37	31	0.869	A BV	10172.	20.000	NG	1.20
34	196	943	15:43	31	0.875	A VB	11029.	20.000	NG	1.20
35	162	968	16:08	31	0.898	A BB	33597.	20.000	NG	1.20
36	65	1000	16:40	31	0.928	A BB	18680.	20.000	NG	1.20
37	152	1048	17:28	31	0.972	A BB	54923.	20.000	NG	1.20
38	163	1042	17:22	31	0.967	A BB	40504.	20.000	NG	1.20
39	165	1056	17:36	31	0.980	A BB	9174.	20.000	NG	1.20
40	153	1083	18:03	31	1.005	A BB	34686.	20.000	NG.	1.20
41	138	1080	18:00	31	1.002	A BB	10302.	20.000	NG	1.20
42	184	1099	18:19	31	1.019	A BB	3335.	20.000	NG	1.20
43	168	1114	18:34	31	1.033	A BB	49855.	20.000	NG	1.20
44	109	1115	18:35	31	1.034	A BB	5264.	20.000	NG.	1.20
45	165	1129	18:49	31	1.047	A BB	12884.	20.000	NG.	1.20
46	166	1180	19:40	31	1.095	A BB	38208.	20.000	NG	1.20
47	204	1183	19:43	31	1.097	A BB	19646.	20.000	NG	1.20
48	149	1178	19:38	31	1.093	A BB	48041.	20.000	NG	1.20
49	138	1198	19:58	31	1.111	A BB	8404.	20.000	NG	1.20
50	198	1204	20:04	31	1.117	A BB	5478.	20.000	NG	1.20

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:19	1.00	0.947	1.00	20.00	20.00	1.405	1.405	1.00
3	8:02	1.00	0.915	1.00	20.00	20.00	2.106	2.106	1.00
4	8:15	1.00	0.939	1.00	20.00	20.00	1.867	1.867	1.00
5	8:40	1.00	0.987	1.00	20.00	20.00	1.579	1.579	1.00
6	8:49	1.00	1.004	1.00	20.00	20.00	1.637	1.637	1.00
7	9:19	1.00	1.061	1.00	20.00	20.00	1.532	1.532	1.00
8	9:15	1.00	1.053	1.00	20.00	20.00	0.943	0.943	1.00
9	9:42	1.00	1.104	1.00	20.00	20.00	3.434	3.434	1.00
10	9:37	1.00	1.095	1.00	20.00	20.00	1.391	1.391	1.00
11	10:08	1.00	1.154	1.00	20.00	20.00	0.799	0.799	1.00
12	10:02	1.00	1.142	1.00	20.00	20.00	1.414	1.414	1.00
13	10:05	1.00	1.148	1.00	20.00	20.00	1.575	1.575	1.00
14	5:48	1.00	0.660	1.00	20.00	20.00	1.301	1.301	1.00
15	8:01	1.00	0.913	1.00	20.00	20.00	1.803	1.803	1.00
16	12:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:29	1.00	0.844	1.00	20.00	20.00	0.698	0.698	1.00
18	11:08	1.00	0.897	1.00	20.00	20.00	1.259	1.259	1.00
19	11:24	1.00	0.918	1.00	20.00	20.00	0.256	0.256	1.00
20	11:33	1.00	0.930	1.00	20.00	20.00	0.523	0.523	1.00
21	11:52	1.00	0.956	1.00	20.00	20.00	0.795	0.795	1.00
22	12:04	1.00	0.972	1.00	20.00	20.00	0.380	0.380	1.00
23	12:18	1.00	0.991	1.00	20.00	20.00	0.417	0.417	1.00
24	12:29	1.00	1.005	1.00	20.00	20.00	1.469	1.469	1.00
25	11:51	1.00	0.954	1.00	20.00	20.00	0.189	0.189	1.00
26	12:47	1.00	1.030	1.00	20.00	20.00	0.610	0.610	1.00
27	13:02	1.00	1.050	1.00	20.00	20.00	0.265	0.265	1.00
28	14:19	1.00	1.153	1.00	20.00	20.00	0.488	0.488	1.00
29	14:36	1.00	1.176	1.00	20.00	20.00	0.845	0.845	1.00
30	10:26	1.00	0.840	1.00	20.00	20.00	0.644	0.644	1.00
31	17:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:18	1.00	0.852	1.00	20.00	20.00	0.419	0.419	1.00
33	15:37	1.00	0.869	1.00	20.00	20.00	0.413	0.413	1.00
34	15:43	1.00	0.875	1.00	20.00	20.00	0.448	0.448	1.00
35	16:08	1.00	0.898	1.00	20.00	20.00	1.365	1.365	1.00
36	16:40	1.00	0.928	1.00	20.00	20.00	0.759	0.759	1.00
37	17:28	1.00	0.972	1.00	20.00	20.00	2.231	2.231	1.00
38	17:22	1.00	0.967	1.00	20.00	20.00	1.645	1.645	1.00
39	17:36	1.00	0.980	1.00	20.00	20.00	0.373	0.373	1.00
40	18:03	1.00	1.005	1.00	20.00	20.00	1.409	1.409	1.00
41	18:00	1.00	1.002	1.00	20.00	20.00	0.419	0.419	1.00
42	18:19	1.00	1.019	1.00	20.00	20.00	0.135	0.135	1.00
43	18:34	1.00	1.033	1.00	20.00	20.00	2.025	2.025	1.00
44	18:35	1.00	1.034	1.00	20.00	20.00	0.214	0.214	1.00
45	18:49	1.00	1.047	1.00	20.00	20.00	0.523	0.523	1.00
46	19:40	1.00	1.095	1.00	20.00	20.00	1.552	1.552	1.00
47	19:43	1.00	1.097	1.00	20.00	20.00	0.798	0.798	1.00
48	19:38	1.00	1.093	1.00	20.00	20.00	1.952	1.952	1.00
49	19:58	1.00	1.111	1.00	20.00	20.00	0.341	0.341	1.00
50	20:04	1.00	1.117	1.00	20.00	20.00	0.223	0.223	1.00

Quantitation Report File: T2661

Data: T2661.TI
05/18/90 19:36:00
Sample: CLP,,,SSTD20,,,22662,3,IC20,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: ---

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

No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

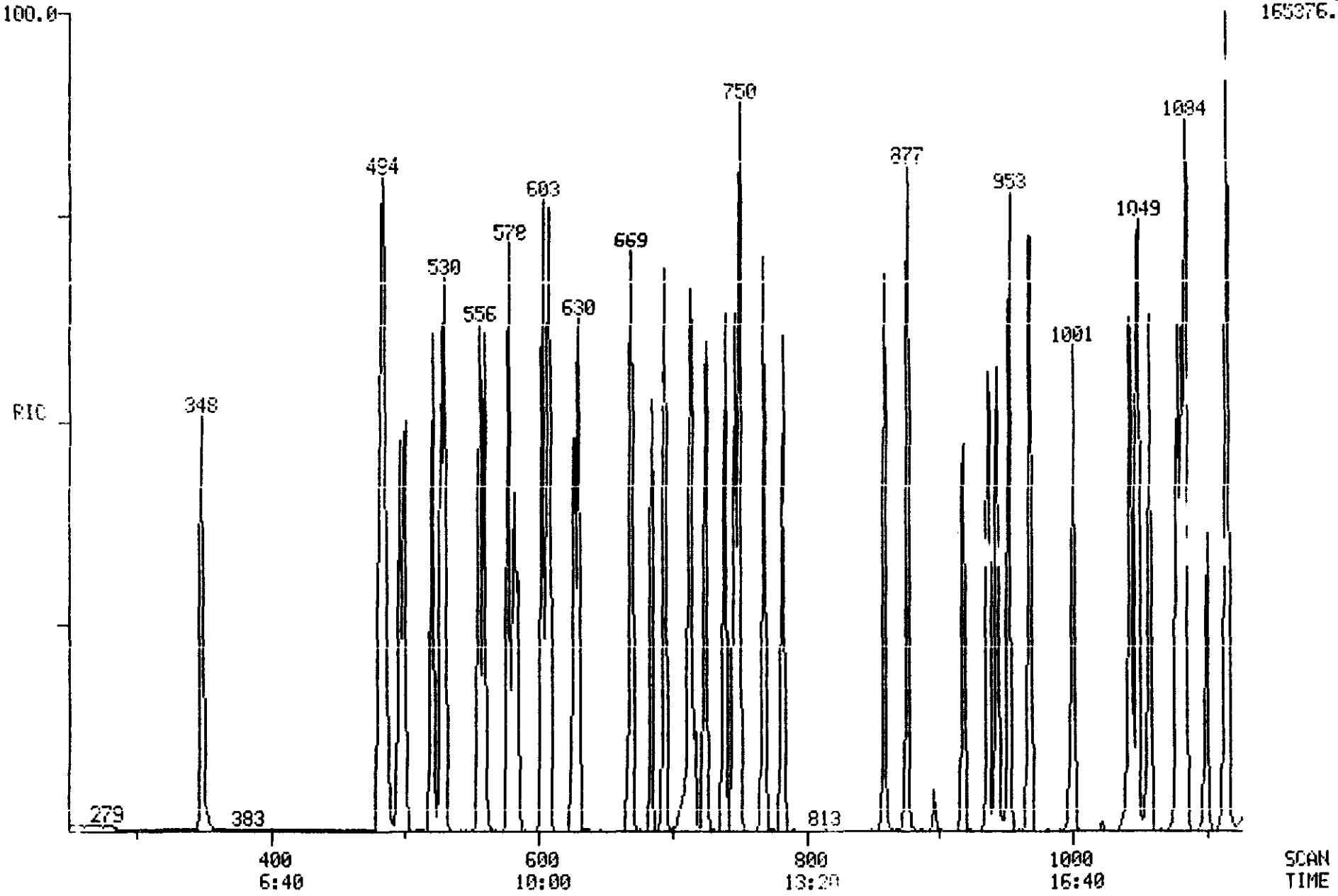
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	169	1209	20:09	31	1.122	A BB	28111.	20.000 NG	1.20
52	248	1276	21:16	31	1.184	A BB	11907.	20.000 NG	1.20
53	284	1300	21:40	31	1.206	A BB	16185.	20.000 NG	1.20
54	172	952	15:52	31	0.883	A BB	36336.	20.000 NG*B2	1.20
55	188	1360	22:40	55	1.000	A BV	96290.	40.000 NG/UL	2.41
56	266	1337	22:17	55	0.983	A BB	5370.	20.000 NG.	1.20
57	178	1364	22:44	55	1.003	A BV	56832.	20.000 NG	1.20
58	178	1373	22:53	55	1.010	A VB	57795.	20.000 NG	1.20
59	149	1492	24:52	55	1.097	A BB	76486.	20.000 NG	1.20
60	202	1596	26:36	55	1.174	A BB	50352.	20.000 NG	1.20
61	202	1639	27:19	63	0.873	A BB	50805.	20.000 NG.	1.20
62	330	1231	20:31	31	1.142	A BB	8195.	20.000 NG*A3	1.20
63	240	1877	31:17	63	1.000	A BB	74359.	40.000 NG/UL	2.41
64	149	1783	29:43	63	0.950	A BB	29244.	20.000 NG	1.20
65	228	1873	31:13	63	0.998	A BV	38791.	20.000 NG	1.20
66	228	1881	31:21	63	1.002	A VB	31543.	20.000 NG	1.20

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
67	252	1876	31:16	63	0.999	A BB	12698.	20.000 NG	1.20
68	149	1895	31:35	63	1.010	A BB	41144.	20.000 NG	1.20
69	244	1676	27:56	63	0.893	A BB	34117.	20.000 NG→B3	1.20
70	264	2169	36:09	70	1.000	A BB	58565.	40.000 NG/UL	2.41
71	149	2002	33:22	70	0.923	A BB	64709.	20.000 NG	1.20
72	252	2077	34:37	70	0.958	A BV	36163.	20.000 NG	1.20
73	252	2082	34:42	70	0.960	A VB	32074.	20.000 NG	1.20
74	252	2153	35:53	70	0.993	A BB	31693.	20.000 NG	1.20
75	276	2501	41:41	70	1.153	A BV	25999.	20.000 NG	1.20
76	278	2512	41:52	70	1.158	A BB	24331.	20.000 NG	1.20
77	276	2602	43:22	70	1.200	A BB	27580.	20.000 NG	1.20

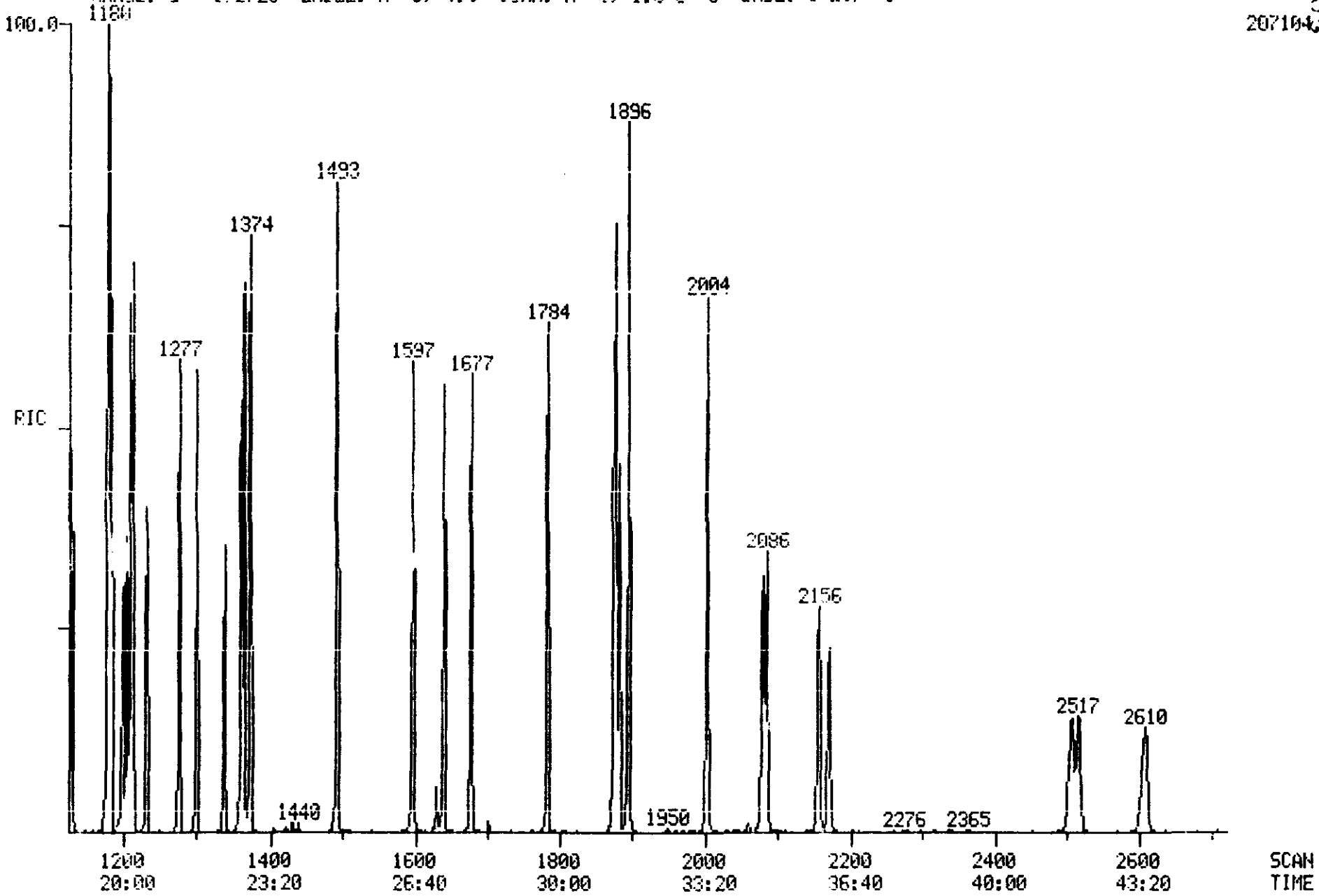
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:09	1.00	1.122	1.00	20.00	20.00	1.142	1.142	1.00
52	21:16	1.00	1.184	1.00	20.00	20.00	0.484	0.484	1.00
53	21:40	1.00	1.206	1.00	20.00	20.00	0.658	0.658	1.00
54	15:52	1.00	0.883	1.00	20.00	20.00	1.476	1.476	1.00
55	22:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:17	1.00	0.983	1.00	20.00	20.00	0.112	0.112	1.00
57	22:44	1.00	1.003	1.00	20.00	20.00	1.180	1.180	1.00
58	22:53	1.00	1.010	1.00	20.00	20.00	1.200	1.200	1.00
59	24:52	1.00	1.097	1.00	20.00	20.00	1.589	1.589	1.00
60	26:36	1.00	1.174	1.00	20.00	20.00	1.046	1.046	1.00
61	27:19	1.00	0.873	1.00	20.00	20.00	1.366	1.366	1.00
62	20:31	1.00	1.142	1.00	20.00	20.00	0.333	0.333	1.00
63	31:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	29:43	1.00	0.950	1.00	20.00	20.00	0.787	0.787	1.00
65	31:13	1.00	0.998	1.00	20.00	20.00	1.043	1.043	1.00
66	31:21	1.00	1.002	1.00	20.00	20.00	0.848	0.848	1.00
67	31:16	1.00	0.999	1.00	20.00	20.00	0.342	0.342	1.00
68	31:35	1.00	1.010	1.00	20.00	20.00	1.107	1.107	1.00
69	27:56	1.00	0.893	1.00	20.00	20.00	0.918	0.918	1.00
70	36:09	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:22	1.00	0.923	1.00	20.00	20.00	2.210	2.210	1.00
72	34:37	1.00	0.958	1.00	20.00	20.00	1.235	1.235	1.00
73	34:42	1.00	0.960	1.00	20.00	20.00	1.095	1.095	1.00
74	35:53	1.00	0.993	1.00	20.00	20.00	1.082	1.082	1.00
75	41:41	1.00	1.153	1.00	20.00	20.00	0.868	0.868	1.00
76	41:52	1.00	1.158	1.00	20.00	20.00	0.831	0.831	1.00
77	43:22	1.00	1.200	1.00	20.00	20.00	0.942	0.942	1.00

RIC DATA: T2657 #1 SCANS 250 TO 1125
05/16/90 15:04:00 CALI: T2657 #2
SAMPLE: CLP,,,SSTD50,,,22659,B,CC050,,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30200C/MIN
RANGE: C 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

200095



RIC DATA: T2657 #1 SCANS 1125 TO 2720
05/18/90 15:04:00 CALI: T2657 #2
SAMPLE: CLP,,,SSTD50,,,22658,B,CC050,,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@36C TO 302@8C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



207104

960090

Quantitation Report File: T2657

Data: T2657.TI
05/18/90 15:04:00
Sample: CLP,,,SSTD50,,,22658,B,CC050,,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@6C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: HN Acct. No : ____

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**ØN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	527	8:47	1	1.000	A BB	28221.	40.000	NG/UL	1.06
2	128	499	8:19	1	0.947	A BB	49553.	50.000	NG.	1.32
3	94	484	8:04	1	0.918	A BB	66922.	50.000	NG.	1.32
4	93	496	8:16	1	0.941	A VB	62409.	50.000	NG	1.32
5	146	521	8:41	1	0.989	A BB	53777.	50.000	NG	1.32
6	146	530	8:50	1	1.006	A BB	55034.	50.000	NG.	1.32
7	146	560	9:20	1	1.063	A BB	51895.	50.000	NG	1.32
8	108	556	9:16	1	1.055	A BB	33834.	50.000	NG	1.32
9	45	582	9:42	1	1.104	A BB	122682.	50.000	NG	1.32
10	108	578	9:38	1	1.097	A BV	47497.	50.000	NG	1.32
11	117	608	10:08	1	1.154	A BB	26741.	50.000	NG	1.32
12	108	603	10:03	1	1.144	A BB	48903.	50.000	NG	1.32
13	70	607	10:07	1	1.152	A BB	52269.	50.000	NG.	1.32
14	112	348	5:48	1	0.660	A BB	45233.	50.000	NG*A1	1.32
15	99	482	8:02	1	0.915	A BB	60228.	50.000	NG*A2	1.32
16	136	746	12:26	16	1.000	A BB	87866.	40.000	NG/UL	1.06
17	77	630	10:30	16	0.845	A BB	74536.	50.000	NG	1.32
18	82	669	11:09	16	0.897	A BB	133884.	50.000	NG	1.32
19	139	684	11:24	16	0.917	A BB	27982.	50.000	NG	1.32
20	107	694	11:34	16	0.930	A BB	53984.	50.000	NG	1.32
21	93	713	11:53	16	0.956	A BB	84903.	50.000	NG	1.32
22	162	724	12:04	16	0.971	A BB	43098.	50.000	NG	1.32
23	180	739	12:19	16	0.991	A BB	44306.	50.000	NG.	1.32
24	128	750	12:30	16	1.005	A BB	144768.	50.000	NG	1.32
25	122	717	11:57	16	0.961	A BB	23077.	50.000	NG	1.32
26	127	768	12:48	16	1.029	A BB	65536.	50.000	NG	1.32
27	225	782	13:02	16	1.048	A BB	27457.	50.000	NG	1.32
28	107	859	14:19	16	1.151	A BB	53299.	50.000	NG.	1.32
29	142	877	14:37	16	1.176	A BB	89483.	50.000	NG	1.32
30	82	626	10:26	16	0.839	A BB	70636.	50.000	NG*B1	1.32
31	164	1078	17:58	31	1.000	A BB	54848.	40.000	NG/UL	1.06
32	237	918	15:18	31	0.852	A BB	30256.	50.000	NG	1.32
33	196	937	15:37	31	0.869	A BV	29441.	50.000	NG	1.32
34	196	944	15:44	31	0.876	A VB	32048.	50.000	NG	1.32
35	162	968	16:08	31	0.898	A BB	91478.	50.000	NG	1.32
36	65	1001	16:41	31	0.929	A BB	53292.	50.000	NG	1.32
37	152	1048	17:28	31	0.972	A BB	144154.	50.000	NG	1.32
38	163	1043	17:23	31	0.968	A BB	112036.	50.000	NG	1.32
39	165	1057	17:37	31	0.981	A BB	27667.	50.000	NG	1.32
40	153	1084	18:04	31	1.006	A BB	89760.	50.000	NG.	1.32
41	138	1081	18:01	31	1.003	A BB	32782.	50.000	NG	1.32
42	184	1100	18:20	31	1.020	A BB	15491.	50.000	NG	1.32
43	168	1114	18:34	31	1.033	A BB	128648.	50.000	NG	1.32
44	109	1116	18:36	31	1.035	A BB	16991.	50.000	NG.	1.32
45	165	1130	18:50	31	1.048	A BB	37968.	50.000	NG.	1.32
46	166	1181	19:41	31	1.096	A BB	96040.	50.000	NG	1.32
47	204	1184	19:44	31	1.098	A BB	53682.	50.000	NG	1.32
48	149	1179	19:39	31	1.094	A BB	127407.	50.000	NG	1.32
49	138	1200	20:00	31	1.113	A BV	27529.	50.000	NG	1.32
50	198	1206	20:06	31	1.119	A BB	22079.	50.000	NG	1.32

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:19	1.00	0.947	1.00	50.00	50.00	1.405	1.405	1.00
3	8:04	1.00	0.918	1.00	50.00	50.00	1.897	1.897	1.00
4	8:16	1.00	0.941	1.00	50.00	50.00	1.769	1.769	1.00
5	8:41	1.00	0.989	1.00	50.00	50.00	1.524	1.524	1.00
6	8:50	1.00	1.006	1.00	50.00	50.00	1.560	1.560	1.00
7	9:20	1.00	1.063	1.00	50.00	50.00	1.471	1.471	1.00
8	9:16	1.00	1.055	1.00	50.00	50.00	0.959	0.959	1.00
9	9:42	1.00	1.104	1.00	50.00	50.00	3.478	3.478	1.00
10	9:38	1.00	1.097	1.00	50.00	50.00	1.346	1.346	1.00
11	10:08	1.00	1.154	1.00	50.00	50.00	0.758	0.758	1.00
12	10:03	1.00	1.144	1.00	50.00	50.00	1.386	1.386	1.00
13	10:07	1.00	1.152	1.00	50.00	50.00	1.482	1.482	1.00
14	5:48	1.00	0.660	1.00	50.00	50.00	1.282	1.282	1.00
15	8:02	1.00	0.915	1.00	50.00	50.00	1.707	1.707	1.00
16	12:26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:30	1.00	0.845	1.00	50.00	50.00	0.679	0.679	1.00
18	11:09	1.00	0.897	1.00	50.00	50.00	1.219	1.219	1.00
19	11:24	1.00	0.917	1.00	50.00	50.00	0.255	0.255	1.00
20	11:34	1.00	0.930	1.00	50.00	50.00	0.492	0.492	1.00
21	11:53	1.00	0.956	1.00	50.00	50.00	0.773	0.773	1.00
22	12:04	1.00	0.971	1.00	50.00	50.00	0.392	0.392	1.00
23	12:19	1.00	0.991	1.00	50.00	50.00	0.403	0.403	1.00
24	12:30	1.00	1.005	1.00	50.00	50.00	1.318	1.318	1.00
25	11:57	1.00	0.961	1.00	50.00	50.00	0.210	0.210	1.00
26	12:48	1.00	1.029	1.00	50.00	50.00	0.597	0.597	1.00
27	13:02	1.00	1.048	1.00	50.00	50.00	0.250	0.250	1.00
28	14:19	1.00	1.151	1.00	50.00	50.00	0.485	0.485	1.00
29	14:37	1.00	1.176	1.00	50.00	50.00	0.815	0.815	1.00
30	10:26	1.00	0.839	1.00	50.00	50.00	0.643	0.643	1.00
31	17:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:18	1.00	0.852	1.00	50.00	50.00	0.441	0.441	1.00
33	15:37	1.00	0.869	1.00	50.00	50.00	0.429	0.429	1.00
34	15:44	1.00	0.876	1.00	50.00	50.00	0.467	0.467	1.00
35	16:08	1.00	0.898	1.00	50.00	50.00	1.334	1.334	1.00
36	16:41	1.00	0.929	1.00	50.00	50.00	0.777	0.777	1.00
37	17:28	1.00	0.972	1.00	50.00	50.00	2.103	2.103	1.00
38	17:23	1.00	0.968	1.00	50.00	50.00	1.634	1.634	1.00
39	17:37	1.00	0.981	1.00	50.00	50.00	0.404	0.404	1.00
40	18:04	1.00	1.006	1.00	50.00	50.00	1.309	1.309	1.00
41	18:01	1.00	1.003	1.00	50.00	50.00	0.478	0.478	1.00
42	18:20	1.00	1.020	1.00	50.00	50.00	0.226	0.226	1.00
43	18:34	1.00	1.033	1.00	50.00	50.00	1.876	1.876	1.00
44	18:36	1.00	1.035	1.00	50.00	50.00	0.248	0.248	1.00
45	18:50	1.00	1.048	1.00	50.00	50.00	0.554	0.554	1.00
46	19:41	1.00	1.096	1.00	50.00	50.00	1.401	1.401	1.00
47	19:44	1.00	1.098	1.00	50.00	50.00	0.783	0.783	1.00
48	19:39	1.00	1.094	1.00	50.00	50.00	1.858	1.858	1.00
49	20:00	1.00	1.113	1.00	50.00	50.00	0.402	0.402	1.00
50	20:06	1.00	1.119	1.00	50.00	50.00	0.322	0.322	1.00

Quantitation Report File: T2657

Data: T2657.TI
05/18/90 15:04:00
Sample: CLP,,,SSTD50,,,22658,B,CC050,,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: HN Acct. No.: ____

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

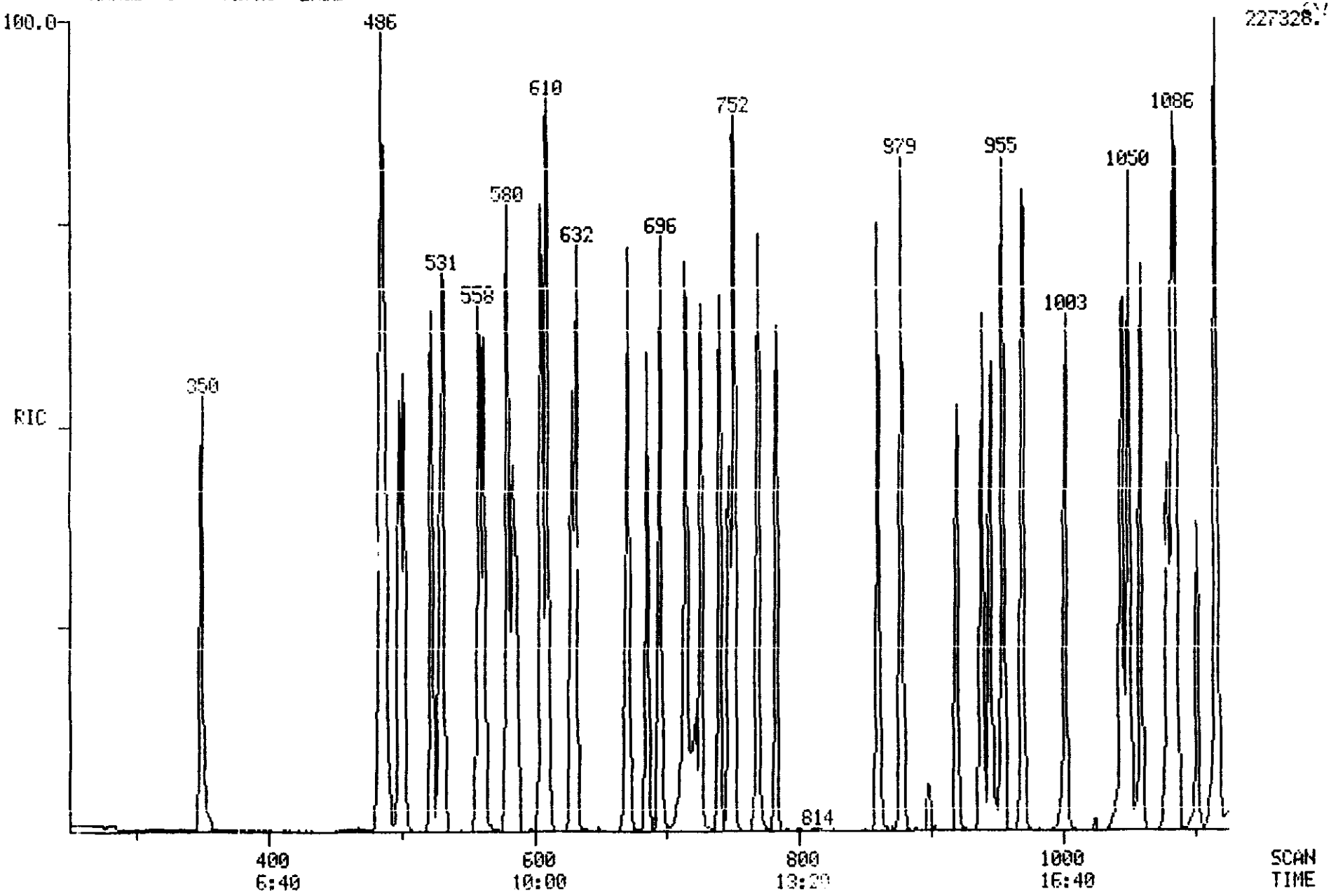
No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	169	1211	20:11	31	1.123	A BB	75946.	50.000 NG	1.32
52	248	1277	21:17	31	1.185	A BB	36231.	50.000 NG	1.32
53	284	1301	21:41	31	1.207	A BB	46608.	50.000 NG	1.32
54	172	953	15:53	31	0.884	A BB	94225.	50.000 NG*B2	1.32
55	188	1361	22:41	55	1.000	A BV	111780.	40.000 NG/UL	1.06
56	266	1338	22:18	55	0.983	A BB	22910.	50.000 NG.	1.32
57	178	1365	22:45	55	1.003	A BV	155008.	50.000 NG	1.32
58	178	1374	22:54	55	1.010	A VB	154949.	50.000 NG	1.32
59	149	1493	24:53	55	1.097	A BV	228711.	50.000 NG	1.32
60	202	1597	26:37	55	1.173	A BB	145780.	50.000 NG	1.32
61	202	1640	27:20	63	0.873	A BB	144412.	50.000 NG.	1.32
62	330	1232	20:32	31	1.143	A BB	26415.	50.000 NG*A3	1.32
63	240	1878	31:18	63	1.000	A BB	88067.	40.000 NG/UL	1.06
64	149	1784	29:44	63	0.950	A BB	81776.	50.000 NG	1.32
65	228	1875	31:15	63	0.998	A BV	107862.	50.000 NG	1.32
66	228	1883	31:23	63	1.003	A VB	81810.	50.000 NG	1.32

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	1877	31:17	63	0.999	A BB	36067.	50.000	NG	1.32
68	149	1896	31:36	63	1.010	A BB	115947.	50.000	NG	1.32
69	244	1677	27:57	63	0.893	A BB	98720.	50.000	NG*B3	1.32
70	264	2171	36:11	70	1.000	A BB	70164.	40.000	NG/UL	1.06
71	149	2004	33:24	70	0.923	A BB	184277.	50.000	NG	1.32
72	252	2080	34:40	70	0.958	A BV	111622.	50.000	NG	1.32
73	252	2085	34:45	70	0.960	A VB	85256.	50.000	NG	1.32
74	252	2156	35:56	70	0.993	A BV	93485.	50.000	NG	1.32
75	276	2508	41:48	70	1.155	A BV	80314.	50.000	NG	1.32
76	278	2517	41:57	70	1.159	A BB	74575.	50.000	NG	1.32
77	276	2610	43:30	70	1.202	A BB	80490.	50.000	NG	1.32

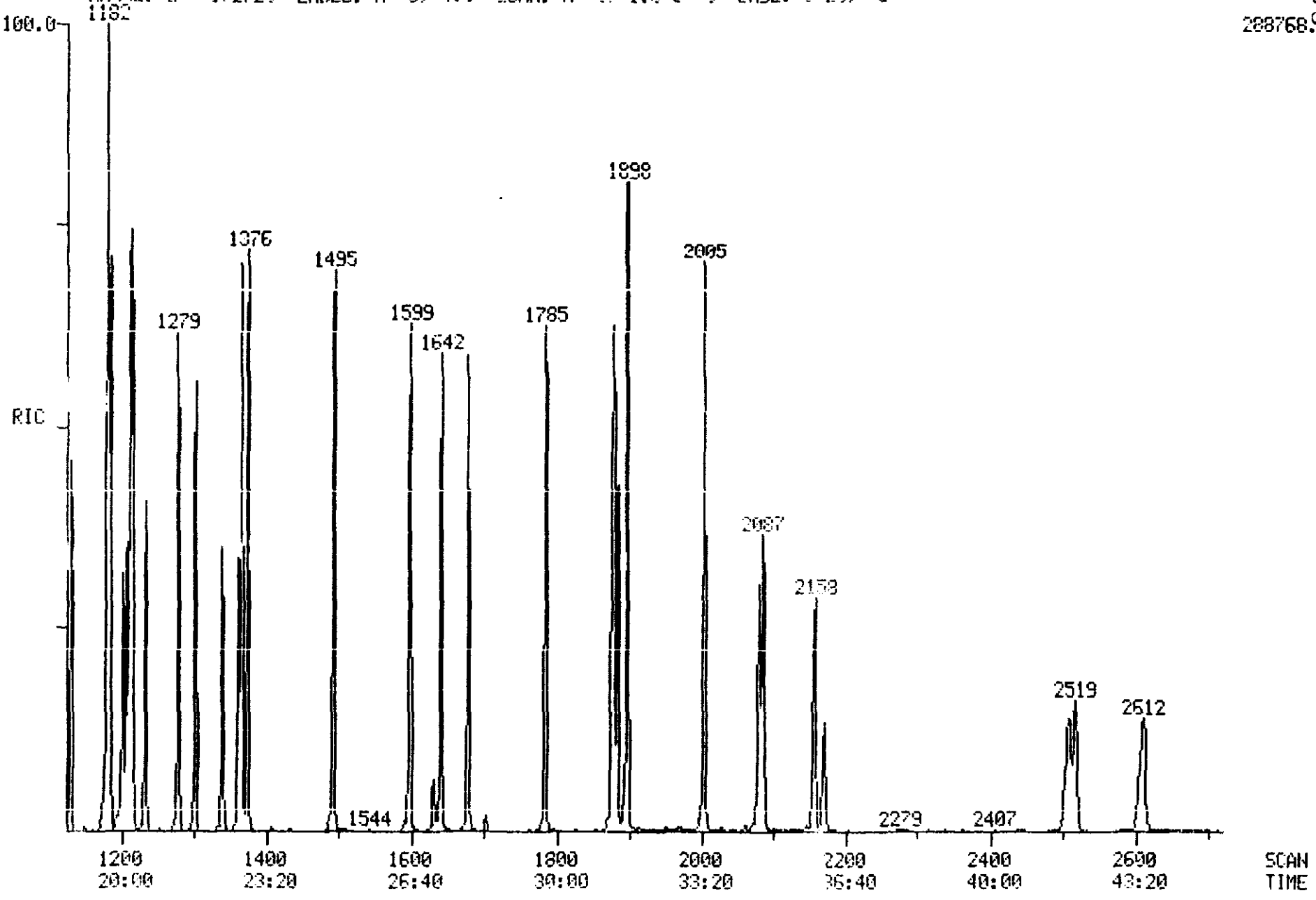
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:11	1.00	1.123	1.00	50.00	50.00	1.108	1.108	1.00
52	21:17	1.00	1.185	1.00	50.00	50.00	0.528	0.528	1.00
53	21:41	1.00	1.207	1.00	50.00	50.00	0.680	0.680	1.00
54	15:53	1.00	0.884	1.00	50.00	50.00	1.374	1.374	1.00
55	22:41	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:18	1.00	0.983	1.00	50.00	50.00	0.164	0.164	1.00
57	22:45	1.00	1.003	1.00	50.00	50.00	1.109	1.109	1.00
58	22:54	1.00	1.010	1.00	50.00	50.00	1.109	1.109	1.00
59	24:53	1.00	1.097	1.00	50.00	50.00	1.637	1.637	1.00
60	26:37	1.00	1.173	1.00	50.00	50.00	1.043	1.043	1.00
61	27:20	1.00	0.873	1.00	50.00	50.00	1.312	1.312	1.00
62	20:32	1.00	1.143	1.00	50.00	50.00	0.385	0.385	1.00
63	31:18	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	29:44	1.00	0.950	1.00	50.00	50.00	0.743	0.743	1.00
65	31:15	1.00	0.998	1.00	50.00	50.00	0.980	0.980	1.00
66	31:23	1.00	1.003	1.00	50.00	50.00	0.743	0.743	1.00
67	31:17	1.00	0.999	1.00	50.00	50.00	0.328	0.328	1.00
68	31:36	1.00	1.010	1.00	50.00	50.00	1.053	1.053	1.00
69	27:57	1.00	0.893	1.00	50.00	50.00	0.897	0.897	1.00
70	36:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:24	1.00	0.923	1.00	50.00	50.00	2.101	2.101	1.00
72	34:40	1.00	0.958	1.00	50.00	50.00	1.273	1.273	1.00
73	34:45	1.00	0.960	1.00	50.00	50.00	0.972	0.972	1.00
74	35:56	1.00	0.993	1.00	50.00	50.00	1.066	1.066	1.00
75	41:48	1.00	1.155	1.00	50.00	50.00	0.916	0.916	1.00
76	41:57	1.00	1.159	1.00	50.00	50.00	0.850	0.850	1.00
77	43:30	1.00	1.202	1.00	50.00	50.00	0.918	0.918	1.00

RIC DATA: T2660 #1 SCANS 250 TO 1125
05/18/90 18:00:00 CALI: T2660 #2
SAMPLE. CLP,,,SSTD80,,,22661,B,IC60,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@30C TO 30200C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



00C102

RIC DATA: T2660 #1 SCANS 1125 TO 2720
05/18/90 16:00:00 CALI: T2660 #2
SAMPLE: CLP,,,SSTD20,,,22661,B,IC30,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@30C TO 30200C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



006103

Quantitation Report File: T2660

Data: T2660.TI
05/18/90 18:00:00
Sample: CLP,,,SSTD80,,,22661,B,IC80,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No : ---

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	529	8:49	1	1.000	A BB	28939.	40.000	NG/UL	0.68
2	128	501	8:21	1	0.947	A BB	77938.	80.000	NG.	1.35
3	94	486	8:06	1	0.919	A BV	103416.	80.000	NG.	1.35
4	93	498	8:18	1	0.941	A VB	99867.	80.000	NG	1.35
5	146	523	8:43	1	0.989	A BV	84497.	80.000	NG	1.35
6	146	531	8:51	1	1.004	A VB	85332.	80.000	NG.	1.35
7	146	561	9:21	1	1.060	A BB	81283.	80.000	NG	1.35
8	108	558	9:18	1	1.055	A BB	55220.	80.000	NG	1.35
9	45	584	9:44	1	1.104	A BB	193988.	80.000	NG	1.35
10	108	580	9:40	1	1.096	A BB	75485.	80.000	NG	1.35
11	117	610	10:10	1	1.153	A BB	39675.	80.000	NG	1.35
12	108	605	10:05	1	1.144	A BB	77277.	80.000	NG	1.35
13	70	609	10:09	1	1.151	A BB	81212.	80.000	NG.	1.35
14	112	350	5:50	1	0.662	A BB	73861.	80.000	NG+A1	1.35
15	99	484	8:04	1	0.915	A BB	96786.	80.000	NG+A2	1.35
16	136	748	12:28	16	1.000	A BB	86947.	40.000	NG/UL	0.69
17	77	632	10:32	16	0.845	A BB	118208.	80.000	NG	1.35
18	82	671	11:11	16	0.897	A BB	211703.	80.000	NG	1.35
19	139	686	11:26	16	0.917	A BB	45882.	80.000	NG	1.35
20	107	696	11:36	16	0.930	A BB	85442.	80.000	NG	1.35
21	93	715	11:55	16	0.956	A BB	132227.	80.000	NG	1.35
22	162	726	12:06	16	0.971	A BB	65286.	80.000	NG	1.35
23	180	741	12:21	16	0.991	A BB	66082.	80.000	NG.	1.35
24	128	752	12:32	16	1.005	A BB	219721.	80.000	NG	1.35
25	122	723	12:03	16	0.967	A BB	36624.	80.000	NG	1.35
26	127	770	12:50	16	1.029	A BB	103089.	80.000	NG	1.35
27	225	784	13:04	16	1.048	A BB	40907.	80.000	NG	1.35
28	107	861	14:21	16	1.151	A BB	83742.	80.000	NG.	1.35
29	142	879	14:39	16	1.175	A BB	133893.	80.000	NG	1.35
30	82	629	10:29	16	0.841	A BB	111006.	80.000	NG+B1	1.35
31	164	1080	18:00	31	1.000	A BB	54551.	40.000	NG/UL	0.69
32	237	920	15:20	31	0.852	A BB	45997.	80.000	NG	1.35
33	196	939	15:39	31	0.869	A BV	44991.	80.000	NG	1.35
34	196	945	15:45	31	0.875	A VB	46739.	80.000	NG	1.35
35	162	970	16:10	31	0.898	A BB	136519.	80.000	NG	1.35
36	65	1003	16:43	31	0.929	A BB	84264.	80.000	NG	1.35
37	152	1050	17:30	31	0.972	A BB	218505.	80.000	NG	1.35
38	163	1045	17:25	31	0.968	A BB	170671.	80.000	NG	1.35
39	165	1060	17:40	31	0.981	A BB	43855.	80.000	NG	1.35
40	153	1086	18:06	31	1.006	A BB	132395.	80.000	NG.	1.35
41	138	1084	18:04	31	1.004	A BB	49024.	80.000	NG	1.35
42	184	1102	18:22	31	1.02	A BB	24115.	80.000	NG	1.35
43	168	1116	18:36	31	1.033	A BB	192333.	80.000	NG	1.35
44	109	1118	18:38	31	1.035	A BB	26180.	80.000	NG.	1.35
45	165	1132	18:52	31	1.048	A BB	59001.	80.000	NG.	1.35
46	166	1183	19:43	31	1.095	A BB	139601.	80.000	NG	1.35
47	204	1186	19:46	31	1.098	A BB	77845.	80.000	NG	1.35
48	149	1181	19:41	31	1.094	A BB	184651.	80.000	NG	1.35
49	138	1203	20:03	31	1.114	A BB	39553.	80.000	NG	1.35
50	198	1208	20:08	31	1.119	A BB	31295.	80.000	NG	1.35

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:49	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:21	1.00	0.947	1.00	80.00	80.00	1.347	1.347	1.00
3	8:06	1.00	0.919	1.00	80.00	80.00	1.787	1.787	1.00
4	8:18	1.00	0.941	1.00	80.00	80.00	1.725	1.725	1.00
5	8:43	1.00	0.989	1.00	80.00	80.00	1.460	1.460	1.00
6	8:51	1.00	1.004	1.00	80.00	80.00	1.474	1.474	1.00
7	9:21	1.00	1.060	1.00	80.00	80.00	1.404	1.404	1.00
8	9:18	1.00	1.055	1.00	80.00	80.00	0.954	0.954	1.00
9	9:44	1.00	1.104	1.00	80.00	80.00	3.352	3.352	1.00
10	9:40	1.00	1.096	1.00	80.00	80.00	1.304	1.304	1.00
11	10:10	1.00	1.153	1.00	80.00	80.00	0.685	0.685	1.00
12	10:05	1.00	1.144	1.00	80.00	80.00	1.335	1.335	1.00
13	10:09	1.00	1.151	1.00	80.00	80.00	1.403	1.403	1.00
14	5:50	1.00	0.662	1.00	80.00	80.00	1.276	1.276	1.00
15	8:04	1.00	0.915	1.00	80.00	80.00	1.672	1.672	1.00
16	12:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:32	1.00	0.845	1.00	80.00	80.00	0.660	0.660	1.00
18	11:11	1.00	0.897	1.00	80.00	80.00	1.217	1.217	1.00
19	11:26	1.00	0.917	1.00	80.00	80.00	0.264	0.264	1.00
20	11:36	1.00	0.930	1.00	80.00	80.00	0.491	0.491	1.00
21	11:55	1.00	0.956	1.00	80.00	80.00	0.760	0.760	1.00
22	12:06	1.00	0.971	1.00	80.00	80.00	0.375	0.375	1.00
23	12:21	1.00	0.991	1.00	80.00	80.00	0.380	0.380	1.00
24	12:32	1.00	1.005	1.00	80.00	80.00	1.264	1.264	1.00
25	12:03	1.00	0.967	1.00	80.00	80.00	0.211	0.211	1.00
26	12:50	1.00	1.029	1.00	80.00	80.00	0.593	0.593	1.00
27	13:04	1.00	1.048	1.00	80.00	80.00	0.235	0.235	1.00
28	14:21	1.00	1.151	1.00	80.00	80.00	0.482	0.482	1.00
29	14:39	1.00	1.175	1.00	80.00	80.00	0.770	0.770	1.00
30	10:29	1.00	0.841	1.00	80.00	80.00	0.638	0.638	1.00
31	18:00	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:20	1.00	0.852	1.00	80.00	80.00	0.422	0.422	1.00
33	15:39	1.00	0.869	1.00	80.00	80.00	0.412	0.412	1.00
34	15:45	1.00	0.875	1.00	80.00	80.00	0.428	0.428	1.00
35	16:10	1.00	0.898	1.00	80.00	80.00	1.251	1.251	1.00
36	16:43	1.00	0.929	1.00	80.00	80.00	0.772	0.772	1.00
37	17:30	1.00	0.972	1.00	80.00	80.00	2.003	2.003	1.00
38	17:25	1.00	0.968	1.00	80.00	80.00	1.564	1.564	1.00
39	17:40	1.00	0.981	1.00	80.00	80.00	0.402	0.402	1.00
40	18:06	1.00	1.006	1.00	80.00	80.00	1.213	1.213	1.00
41	18:04	1.00	1.004	1.00	80.00	80.00	0.449	0.449	1.00
42	18:22	1.00	1.020	1.00	80.00	80.00	0.221	0.221	1.00
43	18:36	1.00	1.033	1.00	80.00	80.00	1.763	1.763	1.00
44	18:38	1.00	1.035	1.00	80.00	80.00	0.240	0.240	1.00
45	18:52	1.00	1.048	1.00	80.00	80.00	0.541	0.541	1.00
46	19:43	1.00	1.095	1.00	80.00	80.00	1.280	1.280	1.00
47	19:46	1.00	1.098	1.00	80.00	80.00	0.714	0.714	1.00
48	19:41	1.00	1.094	1.00	80.00	80.00	1.692	1.692	1.00
49	20:03	1.00	1.114	1.00	80.00	80.00	0.363	0.363	1.00
50	20:08	1.00	1.119	1.00	80.00	80.00	0.287	0.287	1.00

Quantitation Report File: T2660

Data: T2660.TI
05/18/90 18:00:00
Sample: CLP,,,SSTD80,,,22661,B,IC80,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: ---

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

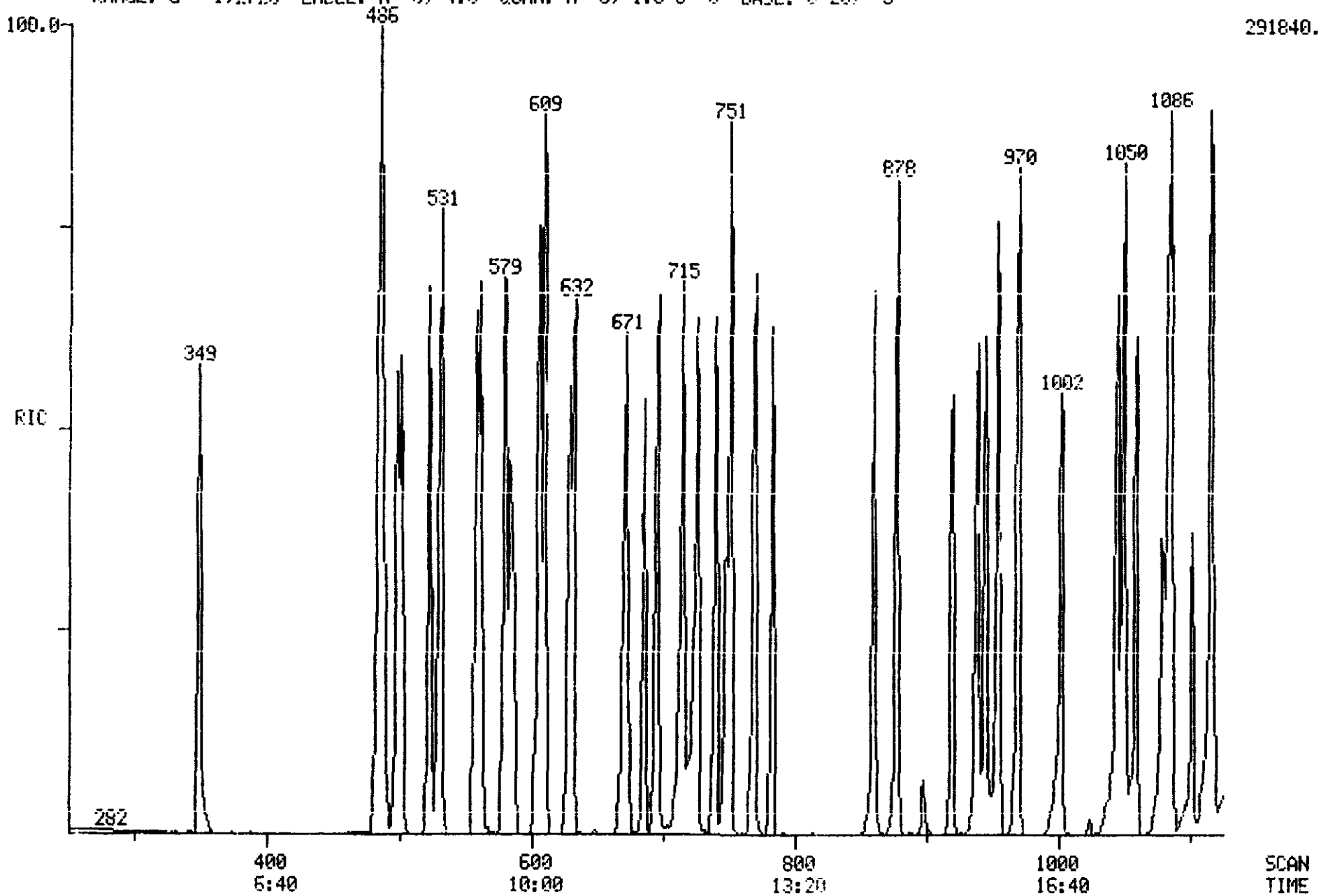
No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	169	1213	20:13	31	1.123	A BB	111914.	80.000 NG	1.35
52	248	1279	21:19	31	1.184	A BB	51981.	80.000 NG	1.35
53	284	1303	21:43	31	1.206	A BB	65490.	80.000 NG	1.35
54	172	955	15:55	31	0.884	A BB	141149.	80.000 NG*B2	1.35
55	188	1362	22:42	55	1.000	A BV	103060.	40.000 NG/UL	0.68
56	266	1340	22:20	55	0.984	A BB	31061.	80.000 NG.	1.35
57	178	1367	22:47	55	1.004	A BV	220364.	80.000 NG	1.35
58	178	1376	22:56	55	1.010	A VB	207457.	80.000 NG	1.35
59	149	1495	24:55	55	1.098	A BB	301614.	80.000 NG	1.35
60	202	1599	26:39	55	1.174	A BB	201203.	80.000 NG	1.35
61	202	1642	27:22	63	0.873	A BB	200407.	80.000 NG.	1.35
62	330	1234	20:34	31	1.143	A BB	38141.	80.000 NG*A3	1.35
63	240	1880	31:20	63	1.000	A BB	80662.	40.000 NG/UL	0.68
64	149	1785	29:45	63	0.949	A BB	120887.	80.000 NG	1.35
65	228	1876	31:16	63	0.998	A BV	157974.	80.000 NG	1.35
66	228	1884	31:24	63	1.002	A VB	119608.	80.000 NG	1.35

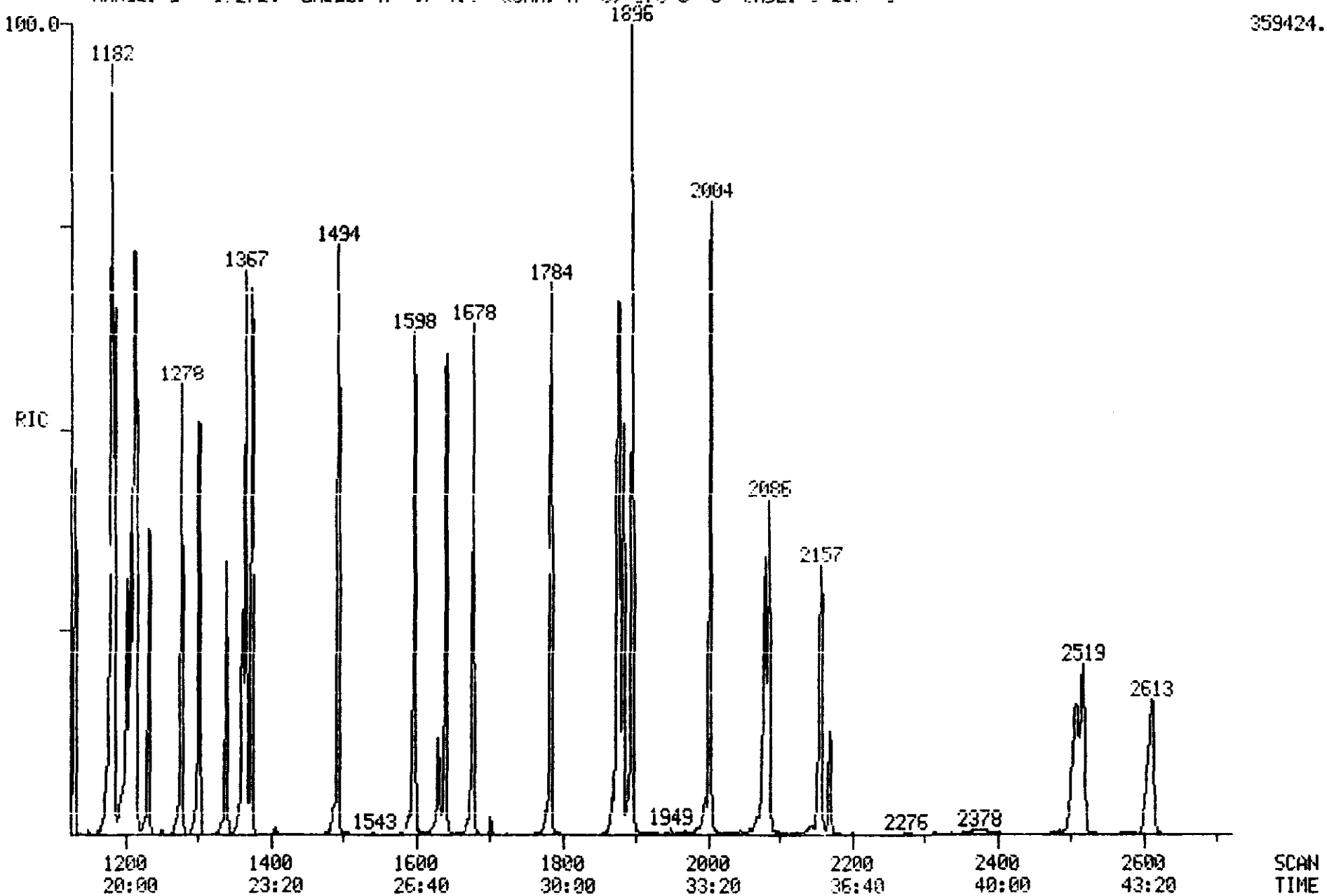
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	1879	31:19	63	0.999	A BB	53036.	80.000	NG	1.35
68	149	1897	31:37	63	1.009	A VB	165759.	80.000	NG	1.35
69	244	1679	27:59	63	0.893	A BB	142836.	80.000	NG*B3	1.35
70	264	2171	36:11	70	1.000	A VB	61112.	40.000	NG/UL	0.68
71	149	2005	33:25	70	0.924	A BB	263963.	80.000	NG	1.35
72	252	2081	34:41	70	0.959	A BV	148825.	80.000	NG	1.35
73	252	2087	34:47	70	0.961	A VB	123580.	80.000	NG	1.35
74	252	2158	35:58	70	0.994	A VB	124710.	80.000	NG	1.35
75	276	2509	41:49	70	1.156	A BV	117697.	80.000	NG	1.35
76	278	2519	41:59	70	1.160	A BB	109232.	80.000	NG	1.35
77	276	2612	43:32	70	1.203	A BB	118962.	80.000	NG	1.35

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:13	1.00	1.123	1.00	80.00	80.00	1.026	1.026	1.00
52	21:19	1.00	1.184	1.00	80.00	80.00	0.476	0.476	1.00
53	21:43	1.00	1.206	1.00	80.00	80.00	0.600	0.600	1.00
54	15:55	1.00	0.884	1.00	80.00	80.00	1.294	1.294	1.00
55	22:42	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:20	1.00	0.984	1.00	80.00	80.00	0.151	0.151	1.00
57	22:47	1.00	1.004	1.00	80.00	80.00	1.069	1.069	1.00
58	22:56	1.00	1.010	1.00	80.00	80.00	1.006	1.006	1.00
59	24:55	1.00	1.098	1.00	80.00	80.00	1.463	1.463	1.00
60	26:39	1.00	1.174	1.00	80.00	80.00	0.976	0.976	1.00
61	27:22	1.00	0.873	1.00	80.00	80.00	1.242	1.242	1.00
62	20:34	1.00	1.143	1.00	80.00	80.00	0.350	0.350	1.00
63	31:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	29:45	1.00	0.949	1.00	80.00	80.00	0.749	0.749	1.00
65	31:16	1.00	0.998	1.00	80.00	80.00	0.979	0.979	1.00
66	31:24	1.00	1.002	1.00	80.00	80.00	0.741	0.741	1.00
67	31:19	1.00	0.999	1.00	80.00	80.00	0.329	0.329	1.00
68	31:37	1.00	1.009	1.00	80.00	80.00	1.027	1.027	1.00
69	27:59	1.00	0.893	1.00	80.00	80.00	0.885	0.885	1.00
70	36:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:25	1.00	0.924	1.00	80.00	80.00	2.160	2.160	1.00
72	34:41	1.00	0.959	1.00	80.00	80.00	1.218	1.218	1.00
73	34:47	1.00	0.961	1.00	80.00	80.00	1.011	1.011	1.00
74	35:58	1.00	0.994	1.00	80.00	80.00	1.020	1.020	1.00
75	41:49	1.00	1.156	1.00	80.00	80.00	0.963	0.963	1.00
76	41:59	1.00	1.160	1.00	80.00	80.00	0.894	0.894	1.00
77	43:32	1.00	1.203	1.00	80.00	80.00	0.973	0.973	1.00

RIC DATA: T2659 #1 SCANS 250 TO 1125
05/18/90 17:00:00 CALI: T2659 #2
SAMPLE: CLP,,,SSTD120,,,22739,P,IC120,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
RANGE: C 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



RIC DATA: T2659 #1 SCANS 1125 TO 2720
05/18/90 17:03:00 CALI: T2659 #2
SAMPLE: CLP,,,SSTD120,,,22739,6,IC120,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30200C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: T2659

Data: T2659.TI
05/18/90 17:08:00
Sample: CLP,,,SSTD120,,,22739,B,IC120,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: ____

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	528	8:48	1	1.000	A BB	28159.	40.000	NG/UL	0.46
2	128	501	8:21	1	0.949	A BB	107123.	120.000	NG.	1.37
3	94	486	8:06	1	0.920	A BV	137689.	120.000	NG.	1.37
4	93	498	8:18	1	0.943	A VB	133857.	120.000	NG	1.37
5	146	522	8:42	1	0.989	A BV	111950.	120.000	NG	1.37
6	146	531	8:51	1	1.006	A VB	112618.	120.000	NG.	1.37
7	146	561	9:21	1	1.062	A BB	107548.	120.000	NG	1.37
8	108	558	9:18	1	1.057	A BB	74784.	120.000	NG	1.37
9	45	583	9:43	1	1.104	A BB	269314.	120.000	NG	1.37
10	108	579	9:39	1	1.097	A BB	101718.	120.000	NG	1.37
11	117	609	10:09	1	1.153	A BB	52273.	120.000	NG	1.37
12	108	605	10:05	1	1.146	A BB	106004.	120.000	NG	1.37
13	70	610	10:10	1	1.155	A BB	112109.	120.000	NG.	1.37
14	112	349	5:49	1	0.661	A BB	100977.	120.000	NG*A1	1.37
15	99	484	8:04	1	0.917	A BB	129649.	120.000	NG*A2	1.37
16	136	747	12:27	16	1.000	A BB	87130.	40.000	NG/UL	0.46
17	77	632	10:32	16	0.846	A BB	161558.	120.000	NG	1.37
18	82	671	11:11	16	0.898	A BB	305242.	120.000	NG	1.37
19	139	685	11:25	16	0.917	A BB	64211.	120.000	NG	1.37
20	107	696	11:36	16	0.932	A BB	121687.	120.000	NG	1.37
21	93	715	11:55	16	0.957	A BB	181640.	120.000	NG	1.37
22	162	726	12:06	16	0.972	A BB	91060.	120.000	NG	1.37
23	180	740	12:20	16	0.991	A BB	89783.	120.000	NG.	1.37
24	128	751	12:31	16	1.005	A BB	282961.	120.000	NG	1.37
25	122	724	12:04	16	0.969	A BB	45476.	120.000	NG	1.37
26	127	770	12:50	16	1.031	A BB	141830.	120.000	NG	1.37
27	225	783	13:03	16	1.048	A BB	55708.	120.000	NG	1.37
28	107	861	14:21	16	1.153	A BB	114788.	120.000	NG.	1.37
29	142	878	14:38	16	1.175	A BB	179479.	120.000	NG	1.37
30	82	628	10:28	16	0.841	A BB	157818.	120.000	NG*B1	1.37
31	164	1079	17:59	31	1.000	A BB	53798.	40.000	NG/UL	0.46
32	237	919	15:19	31	0.852	A BB	65797.	120.000	NG	1.37
33	196	939	15:39	31	0.870	A BV	65372.	120.000	NG	1.37
34	196	945	15:45	31	0.876	A VB	62934.	120.000	NG	1.37
35	162	970	16:10	31	0.899	A BB	184242.	120.000	NG	1.37
36	65	1002	16:42	31	0.929	A BB	118974.	120.000	NG	1.37
37	152	1050	17:30	31	0.973	A BB	292117.	120.000	NG	1.37
38	163	1045	17:25	31	0.968	A BB	235213.	120.000	NG	1.37
39	165	1059	17:39	31	0.981	A VB	61228.	120.000	NG	1.37
40	153	1086	18:06	31	1.006	A BB	177559.	120.000	NG.	1.37
41	138	1083	18:03	31	1.004	A BB	69021.	120.000	NG	1.37
42	184	1102	18:22	31	1.021	A BB	35275.	120.000	NG	1.37
43	168	1116	18:36	31	1.034	A VB	258688.	120.000	NG	1.37
44	109	1118	18:38	31	1.036	A BB	37885.	120.000	NG.	1.37
45	165	1132	18:52	31	1.049	A BB	82421.	120.000	NG.	1.37
46	166	1182	19:42	31	1.095	A BB	184882.	120.000	NG	1.37
47	204	1185	19:45	31	1.098	A BB	102676.	120.000	NG	1.37
48	149	1181	19:41	31	1.095	A BB	244377.	120.000	NG	1.37
49	138	1203	20:03	31	1.115	A VB	40413.	120.000	NG	1.37
50	198	1208	20:08	31	1.120	A VB	38094.	120.000	NG	1.37

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:48	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:21	1.00	0.949	1.00	120.00	120.00	1.268	1.268	1.00
3	8:06	1.00	0.920	1.00	120.00	120.00	1.630	1.630	1.00
4	8:18	1.00	0.943	1.00	120.00	120.00	1.585	1.585	1.00
5	8:42	1.00	0.989	1.00	120.00	120.00	1.325	1.325	1.00
6	8:51	1.00	1.006	1.00	120.00	120.00	1.333	1.333	1.00
7	9:21	1.00	1.062	1.00	120.00	120.00	1.273	1.273	1.00
8	9:18	1.00	1.057	1.00	120.00	120.00	0.885	0.885	1.00
9	9:43	1.00	1.104	1.00	120.00	120.00	3.188	3.188	1.00
10	9:39	1.00	1.097	1.00	120.00	120.00	1.204	1.204	1.00
11	10:09	1.00	1.153	1.00	120.00	120.00	0.619	0.619	1.00
12	10:05	1.00	1.146	1.00	120.00	120.00	1.255	1.255	1.00
13	10:10	1.00	1.155	1.00	120.00	120.00	1.327	1.327	1.00
14	5:49	1.00	0.661	1.00	120.00	120.00	1.195	1.195	1.00
15	8:04	1.00	0.917	1.00	120.00	120.00	1.535	1.535	1.00
16	12:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:32	1.00	0.846	1.00	120.00	120.00	0.618	0.618	1.00
18	11:11	1.00	0.898	1.00	120.00	120.00	1.168	1.168	1.00
19	11:25	1.00	0.917	1.00	120.00	120.00	0.246	0.246	1.00
20	11:36	1.00	0.932	1.00	120.00	120.00	0.466	0.466	1.00
21	11:55	1.00	0.957	1.00	120.00	120.00	0.695	0.695	1.00
22	12:06	1.00	0.972	1.00	120.00	120.00	0.348	0.348	1.00
23	12:20	1.00	0.991	1.00	120.00	120.00	0.343	0.343	1.00
24	12:31	1.00	1.005	1.00	120.00	120.00	1.083	1.083	1.00
25	12:04	1.00	0.969	1.00	120.00	120.00	0.174	0.174	1.00
26	12:50	1.00	1.031	1.00	120.00	120.00	0.543	0.543	1.00
27	13:03	1.00	1.048	1.00	120.00	120.00	0.213	0.213	1.00
28	14:21	1.00	1.153	1.00	120.00	120.00	0.439	0.439	1.00
29	14:38	1.00	1.175	1.00	120.00	120.00	0.687	0.687	1.00
30	10:28	1.00	0.841	1.00	120.00	120.00	0.604	0.604	1.00
31	17:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:19	1.00	0.852	1.00	120.00	120.00	0.408	0.408	1.00
33	15:39	1.00	0.870	1.00	120.00	120.00	0.405	0.405	1.00
34	15:45	1.00	0.876	1.00	120.00	120.00	0.390	0.390	1.00
35	16:10	1.00	0.899	1.00	120.00	120.00	1.142	1.142	1.00
36	16:42	1.00	0.929	1.00	120.00	120.00	0.737	0.737	1.00
37	17:30	1.00	0.973	1.00	120.00	120.00	1.810	1.810	1.00
38	17:25	1.00	0.968	1.00	120.00	120.00	1.457	1.457	1.00
39	17:39	1.00	0.981	1.00	120.00	120.00	0.379	0.379	1.00
40	18:06	1.00	1.006	1.00	120.00	120.00	1.100	1.100	1.00
41	18:03	1.00	1.004	1.00	120.00	120.00	0.428	0.428	1.00
42	18:22	1.00	1.021	1.00	120.00	120.00	0.219	0.219	1.00
43	18:36	1.00	1.034	1.00	120.00	120.00	1.603	1.603	1.00
44	18:38	1.00	1.036	1.00	120.00	120.00	0.235	0.235	1.00
45	18:52	1.00	1.049	1.00	120.00	120.00	0.511	0.511	1.00
46	19:42	1.00	1.095	1.00	120.00	120.00	1.146	1.146	1.00
47	19:45	1.00	1.098	1.00	120.00	120.00	0.636	0.636	1.00
48	19:41	1.00	1.095	1.00	120.00	120.00	1.514	1.514	1.00
49	20:03	1.00	1.115	1.00	120.00	120.00	0.250	0.250	1.00
50	20:08	1.00	1.120	1.00	120.00	120.00	0.236	0.236	1.00

Quantitation Report File: T2659

Data: T2659.TI
05/18/90 17:08:00
Sample: CLP,,,SSTD120,,,22739,B,IC120,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: ____

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

No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	169	1213	20:13	31	1.124	A BB	147771.	120.000	NG	1.37
52	248	1278	21:18	31	1.184	A BB	71641.	120.000	NG	1.37
53	284	1302	21:42	31	1.207	A BB	89339.	120.000	NG	1.37
54	172	954	15:54	31	0.884	A BB	191641.	120.000	NG*B2	1.37
55	188	1361	22:41	55	1.000	A BB	102412.	40.000	NG/UL	0.46
56	266	1339	22:19	55	0.984	A BB	46274.	120.000	NG.	1.37
57	178	1367	22:47	55	1.004	A BV	308162.	120.000	NG	1.37
58	178	1375	22:55	55	1.010	A VB	272375.	120.000	NG	1.37
59	149	1494	24:54	55	1.098	A BB	396058.	120.000	NG	1.37
60	202	1598	26:38	55	1.174	A BB	285671.	120.000	NG	1.37
61	202	1642	27:22	63	0.874	A BB	287926.	120.000	NG.	1.37
62	330	1233	20:33	31	1.143	A BB	53362.	120.000	NG*A3	1.37
63	240	1878	31:18	63	1.000	A VB	80404.	40.000	NG/UL	0.46
64	149	1784	29:44	63	0.950	A BB	178718.	120.000	NG	1.37
65	228	1875	31:15	63	0.998	A BV	244571.	120.000	NG	1.37
66	228	1884	31:24	63	1.003	A VB	172108.	120.000	NG	1.37

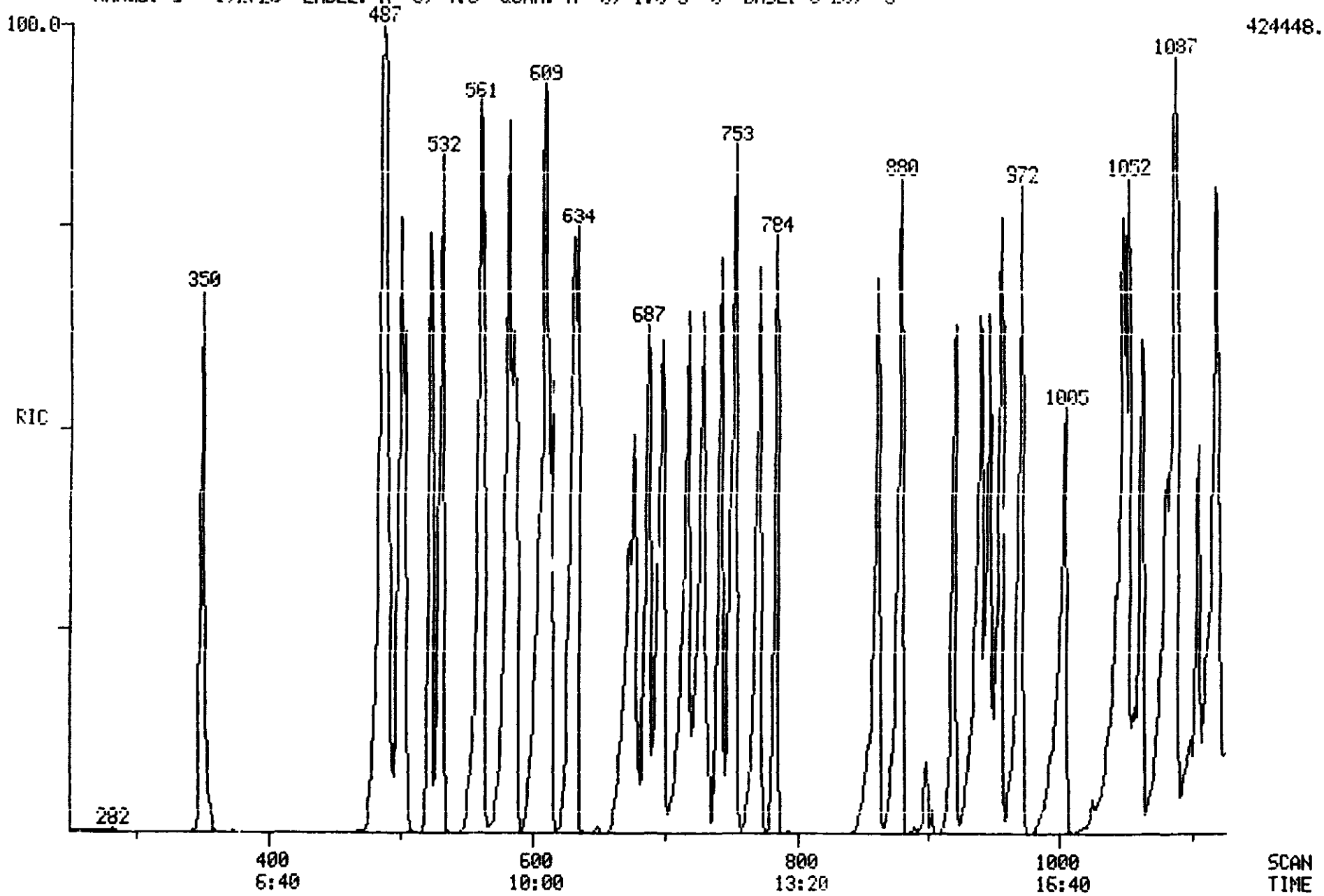
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	1877	31:17	63	0.999	A BB	78785.	120.000	NG	1.37
68	149	1896	31:36	63	1.010	A BB	250368.	120.000	NG	1.37
69	244	1678	27:58	63	0.894	A BB	199672.	120.000	NG*B3	1.37
70	264	2170	36:10	70	1.000	A VB	66424.	40.000	NG/UL	0.46
71	149	2004	33:24	70	0.924	A BB	376914.	120.000	NG	1.37
72	252	2080	34:40	70	0.959	A VV	225500.	120.000	NG	1.37
73	252	2086	34:46	70	0.961	A VB	182515.	120.000	NG	1.37
74	252	2157	35:57	70	0.994	A VB	191376.	120.000	NG	1.37
75	276	2509	41:49	70	1.156	A BV	186826.	120.000	NG	1.37
76	278	2519	41:59	70	1.161	A BB	176914.	120.000	NG	1.37
77	276	2613	43:33	70	1.204	A BB	190347.	120.000	NG	1.37

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:13	1.00	1.124	1.00	120.00	120.00	0.916	0.916	1.00
52	21:18	1.00	1.184	1.00	120.00	120.00	0.444	0.444	1.00
53	21:42	1.00	1.207	1.00	120.00	120.00	0.554	0.554	1.00
54	15:54	1.00	0.884	1.00	120.00	120.00	1.187	1.187	1.00
55	22:41	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:19	1.00	0.984	1.00	120.00	120.00	0.151	0.151	1.00
57	22:47	1.00	1.004	1.00	120.00	120.00	1.003	1.003	1.00
58	22:55	1.00	1.010	1.00	120.00	120.00	0.887	0.887	1.00
59	24:54	1.00	1.098	1.00	120.00	120.00	1.269	1.269	1.00
60	26:38	1.00	1.174	1.00	120.00	120.00	0.930	0.930	1.00
61	27:22	1.00	0.874	1.00	120.00	120.00	1.194	1.194	1.00
62	20:33	1.00	1.143	1.00	120.00	120.00	0.331	0.331	1.00
63	31:18	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	29:44	1.00	0.950	1.00	120.00	120.00	0.741	0.741	1.00
65	31:15	1.00	0.998	1.00	120.00	120.00	1.014	1.014	1.00
66	31:24	1.00	1.003	1.00	120.00	120.00	0.714	0.714	1.00
67	31:17	1.00	0.999	1.00	120.00	120.00	0.327	0.327	1.00
68	31:36	1.00	1.010	1.00	120.00	120.00	1.038	1.038	1.00
69	27:58	1.00	0.894	1.00	120.00	120.00	0.828	0.828	1.00
70	36:10	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:24	1.00	0.924	1.00	120.00	120.00	1.891	1.891	1.00
72	34:40	1.00	0.959	1.00	120.00	120.00	1.132	1.132	1.00
73	34:46	1.00	0.961	1.00	120.00	120.00	0.916	0.916	1.00
74	35:57	1.00	0.994	1.00	120.00	120.00	0.960	0.960	1.00
75	41:49	1.00	1.156	1.00	120.00	120.00	0.938	0.938	1.00
76	41:59	1.00	1.161	1.00	120.00	120.00	0.888	0.888	1.00
77	43:33	1.00	1.204	1.00	120.00	120.00	0.955	0.955	1.00

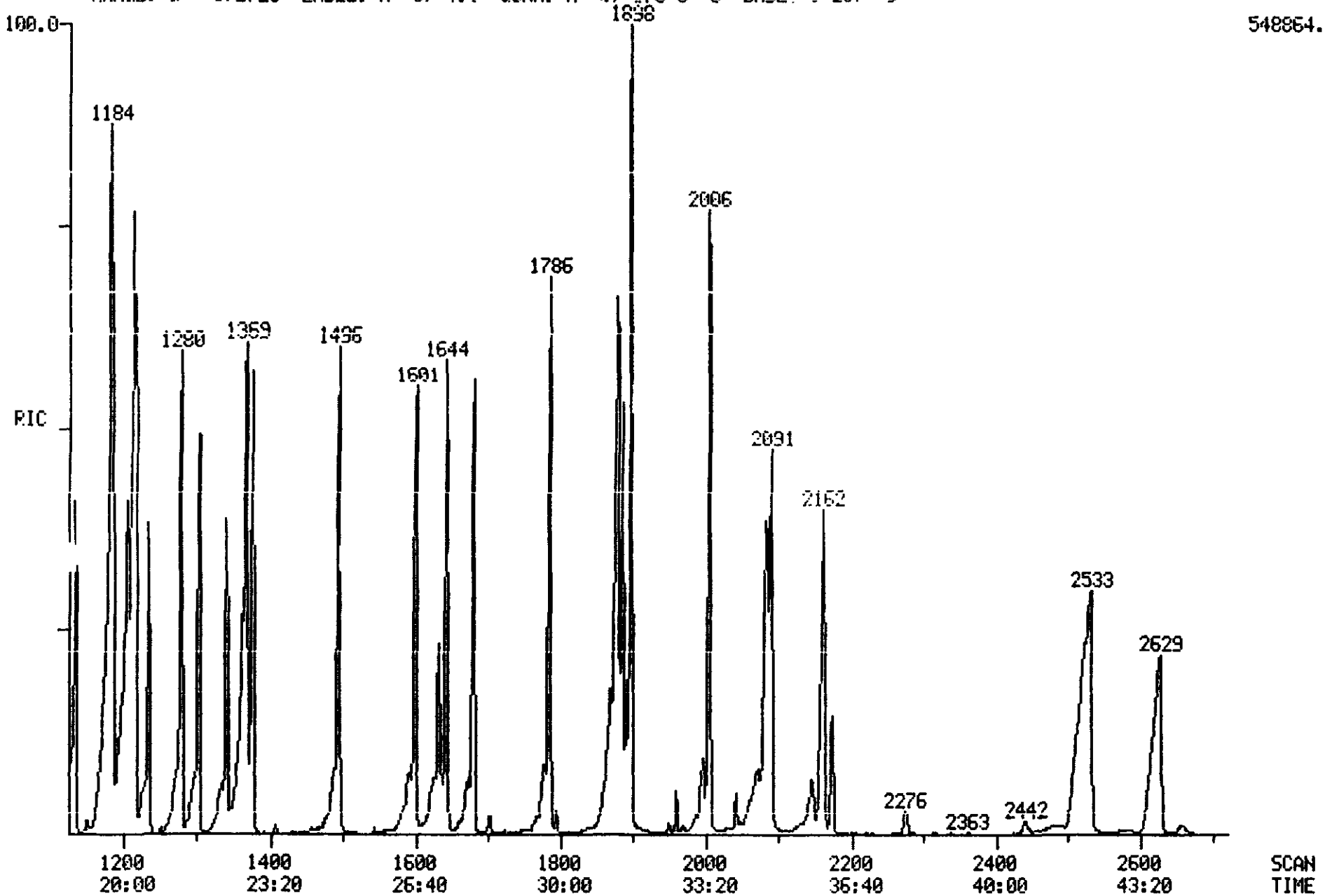
RIC
05/18/90 16:15:00
SAMPLE: CLP,,,SST0160,,,22659,B,IC160,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: C 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: T2658 #1
CALI: T2658 #2

SCANS 250 TO 1125



RIC DATA: T2658 #1 SCANS 1125 TO 2720
05/16/90 16:15:00 CALI: T2658 #2
SAMPLE: CLP,,,SSTD160,,,22659,B,IC160,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30@8C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 4.0 J 0 BASE: U 20, 3



2001117

Quantitation Report File: T2658

Data: T2658.TI
05/18/90 16:15:00
Sample: CLP,,,SSTD160,,,22659,B,IC160,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: ____

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	529	8:49	1	1.000	A BB	45875.	40.000	NG/UL	0.34
2	128	503	8:23	1	0.951	A BB	229365.	160.000	NG.	1.38
3	94	489	8:09	1	0.924	A BV	275032.	160.000	NG.	1.38
4	93	500	8:20	1	0.945	A VB	256451.	160.000	NG	1.38
5	146	523	8:43	1	0.989	A BV	237954.	160.000	NG	1.38
6	146	532	8:52	1	1.006	A VB	225730.	160.000	NG.	1.38
7	146	562	9:22	1	1.062	A BB	204602.	160.000	NG	1.38
8	108	559	9:19	1	1.057	A BB	156035.	160.000	NG	1.38
9	45	585	9:45	1	1.106	A BB	568366.	160.000	NG	1.38
10	108	582	9:42	1	1.100	A BB	217129.	160.000	NG	1.38
11	117	610	10:10	1	1.153	A BB	100248.	160.000	NG	1.38
12	108	608	10:08	1	1.149	A BB	233939.	160.000	NG	1.38
13	70	614	10:14	1	1.161	A BB	250384.	160.000	NG.	1.38
14	112	350	5:50	1	0.662	A BB	227038.	160.000	NG*A1	1.38
15	99	486	8:06	1	0.919	A BB	263096.	160.000	NG*A2	1.38
16	136	749	12:29	16	1.000	A BB	139470.	40.000	NG/UL	0.34
17	77	634	10:34	16	0.846	A BB	340373.	160.000	NG	1.38
18	82	676	11:16	16	0.903	A BB	682062.	160.000	NG	1.38
19	139	687	11:27	16	0.917	A BB	154340.	160.000	NG	1.38
20	107	698	11:38	16	0.932	A BB	279618.	160.000	NG	1.38
21	93	717	11:57	16	0.957	A BB	415093.	160.000	NG	1.38
22	162	728	12:08	16	0.972	A BB	213308.	160.000	NG	1.38
23	180	742	12:22	16	0.991	A BB	194739.	160.000	NG.	1.38
24	128	753	12:33	16	1.005	A BB	545207.	160.000	NG	1.38
25	122	718	11:58	16	0.959	A BV	18785.	160.000	NG	1.38
26	127	771	12:51	16	1.029	A BB	315518.	160.000	NG	1.38
27	225	784	13:04	16	1.047	A BB	111775.	160.000	NG	1.38
28	107	862	14:22	16	1.151	A BB	265010.	160.000	NG.	1.38
29	142	880	14:40	16	1.175	A BB	376116.	160.000	NG	1.38
30	82	631	10:31	16	0.842	A BB	339126.	160.000	NG*B1	1.38
31	164	1081	18:01	31	1.000	A BB	85359.	40.000	NG/UL	0.34
32	237	920	15:20	31	0.851	A BB	144181.	160.000	NG	1.38
33	196	940	15:40	31	0.870	A BV	164347.	160.000	NG	1.38
34	196	947	15:47	31	0.876	A VB	100963.	160.000	NG	1.38
35	162	972	16:12	31	0.899	A BB	404505.	160.000	NG	1.38
36	65	1005	16:45	31	0.930	A BB	259413.	160.000	NG	1.38
37	152	1052	17:32	31	0.973	A BB	585408.	160.000	NG	1.38
38	163	1048	17:28	31	0.969	A BB	450844.	160.000	NG	1.38
39	165	1062	17:42	31	0.982	A BB	128057.	160.000	NG	1.38
40	153	1088	18:08	31	1.006	A BB	357495.	160.000	NG.	1.38
41	138	1086	18:06	31	1.005	A BB	127867.	160.000	NG	1.38
42	184	1105	18:25	31	1.022	A BB	80933.	160.000	NG	1.38
43	168	1118	18:38	31	1.034	A BB	532141.	160.000	NG	1.38
44	109	1121	18:41	31	1.037	A VB	45332.	160.000	NG.	1.38
45	165	1135	18:55	31	1.050	A BB	161851.	160.000	NG.	1.38
46	166	1185	19:45	31	1.096	A BB	328956.	160.000	NG	1.38
47	204	1187	19:47	31	1.098	A VB	152639.	160.000	NG	1.38
48	149	1184	19:44	31	1.095	A BB	413584.	160.000	NG	1.38
49	138	1207	20:07	31	1.117	A VB	68706.	160.000	NG	1.38
50	198	1213	20:13	31	1.122	A VB	57377.	160.000	NG	1.38

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:49	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:23	1.00	0.951	1.00	160.00	160.00	1.250	1.250	1.00
3	8:09	1.00	0.924	1.00	160.00	160.00	1.499	1.499	1.00
4	8:20	1.00	0.945	1.00	160.00	160.00	1.398	1.398	1.00
5	8:43	1.00	0.989	1.00	160.00	160.00	1.297	1.297	1.00
6	8:52	1.00	1.006	1.00	160.00	160.00	1.230	1.230	1.00
7	9:22	1.00	1.062	1.00	160.00	160.00	1.115	1.115	1.00
8	9:19	1.00	1.057	1.00	160.00	160.00	0.850	0.850	1.00
9	9:45	1.00	1.106	1.00	160.00	160.00	3.097	3.097	1.00
10	9:42	1.00	1.100	1.00	160.00	160.00	1.183	1.183	1.00
11	10:10	1.00	1.153	1.00	160.00	160.00	0.546	0.546	1.00
12	10:08	1.00	1.149	1.00	160.00	160.00	1.275	1.275	1.00
13	10:14	1.00	1.161	1.00	160.00	160.00	1.364	1.364	1.00
14	5:50	1.00	0.662	1.00	160.00	160.00	1.237	1.237	1.00
15	8:06	1.00	0.919	1.00	160.00	160.00	1.434	1.434	1.00
16	12:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:34	1.00	0.846	1.00	160.00	160.00	0.610	0.610	1.00
18	11:16	1.00	0.903	1.00	160.00	160.00	1.223	1.223	1.00
19	11:27	1.00	0.917	1.00	160.00	160.00	0.277	0.277	1.00
20	11:38	1.00	0.932	1.00	160.00	160.00	0.501	0.501	1.00
21	11:57	1.00	0.957	1.00	160.00	160.00	0.744	0.744	1.00
22	12:08	1.00	0.972	1.00	160.00	160.00	0.382	0.382	1.00
23	12:22	1.00	0.991	1.00	160.00	160.00	0.349	0.349	1.00
24	12:33	1.00	1.005	1.00	160.00	160.00	0.977	0.977	1.00
25	11:58	1.00	0.959	1.00	160.00	160.00	0.034	0.034	1.00
26	12:51	1.00	1.029	1.00	160.00	160.00	0.566	0.566	1.00
27	13:04	1.00	1.047	1.00	160.00	160.00	0.200	0.200	1.00
28	14:22	1.00	1.151	1.00	160.00	160.00	0.475	0.475	1.00
29	14:40	1.00	1.175	1.00	160.00	160.00	0.674	0.674	1.00
30	10:31	1.00	0.842	1.00	160.00	160.00	0.608	0.608	1.00
31	18:01	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:20	1.00	0.851	1.00	160.00	160.00	0.422	0.422	1.00
33	15:40	1.00	0.870	1.00	160.00	160.00	0.481	0.481	1.00
34	15:47	1.00	0.876	1.00	160.00	160.00	0.296	0.296	1.00
35	16:12	1.00	0.899	1.00	160.00	160.00	1.185	1.185	1.00
36	16:45	1.00	0.930	1.00	160.00	160.00	0.760	0.760	1.00
37	17:32	1.00	0.973	1.00	160.00	160.00	1.715	1.715	1.00
38	17:28	1.00	0.969	1.00	160.00	160.00	1.320	1.320	1.00
39	17:42	1.00	0.982	1.00	160.00	160.00	0.375	0.375	1.00
40	18:08	1.00	1.006	1.00	160.00	160.00	1.047	1.047	1.00
41	18:06	1.00	1.005	1.00	160.00	160.00	0.374	0.374	1.00
42	18:25	1.00	1.022	1.00	160.00	160.00	0.237	0.237	1.00
43	18:38	1.00	1.034	1.00	160.00	160.00	1.559	1.559	1.00
44	18:41	1.00	1.037	1.00	160.00	160.00	0.133	0.133	1.00
45	18:55	1.00	1.050	1.00	160.00	160.00	0.474	0.474	1.00
46	19:45	1.00	1.096	1.00	160.00	160.00	0.963	0.963	1.00
47	19:47	1.00	1.098	1.00	160.00	160.00	0.447	0.447	1.00
48	19:44	1.00	1.095	1.00	160.00	160.00	1.211	1.211	1.00
49	20:07	1.00	1.117	1.00	160.00	160.00	0.201	0.201	1.00
50	20:13	1.00	1.122	1.00	160.00	160.00	0.168	0.168	1.00

Quantitation Report File: T2658

Data: T2658.TI
05/18/90 16:15:00
Sample: CLP,,,SSTD160,,,22659,B,IC160,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: _____

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

No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

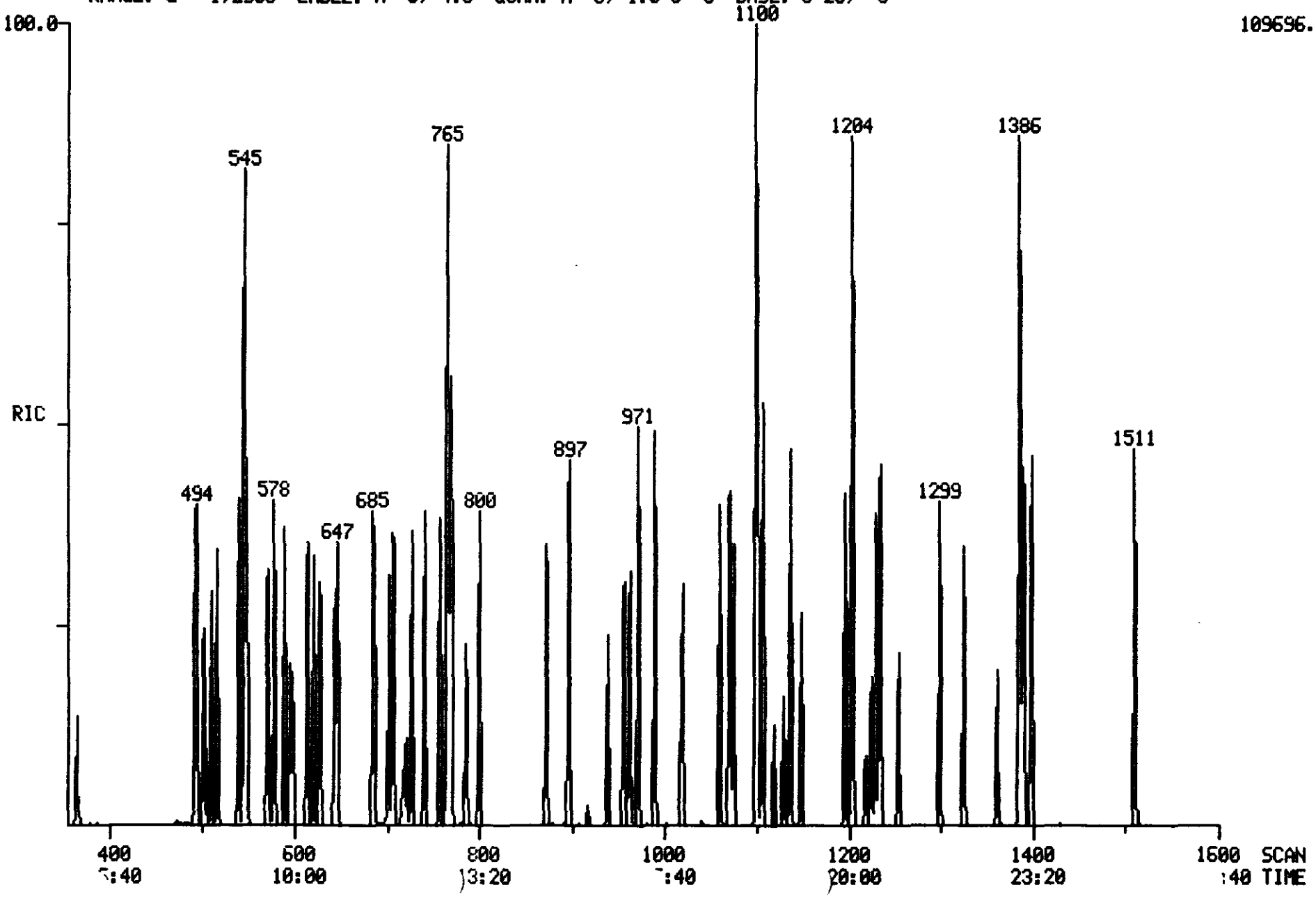
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	169	1215	20:15	31	1.124	A VB	189251.	160.000	NG	1.38
52	248	1280	21:20	31	1.184	A BB	143813.	160.000	NG	1.38
53	284	1304	21:44	31	1.206	A BB	178693.	160.000	NG	1.38
54	172	956	15:56	31	0.884	A BB	405641.	160.000	NG*B2	1.38
55	188	1363	22:43	55	1.000	A BB	146586.	40.000	NG/UL	0.34
56	266	1341	22:21	55	0.984	A VB	77474.	160.000	NG	1.38
57	178	1369	22:49	55	1.004	A BV	644584.	160.000	NG	1.38
58	178	1377	22:57	55	1.010	A VB	405168.	160.000	NG	1.38
59	149	1495	24:55	55	1.097	A BB	691938.	160.000	NG	1.38
60	202	1601	26:41	55	1.175	A BB	512866.	160.000	NG	1.38
61	202	1644	27:24	63	0.874	A VB	443594.	160.000	NG	1.38
62	330	1235	20:35	31	1.142	A BB	109925.	160.000	NG*A3	1.38
63	240	1881	31:21	63	1.000	A VB	94046.	40.000	NG/UL	0.34
64	149	1786	29:46	63	0.949	A BB	371293.	160.000	NG	1.38
65	228	1877	31:17	63	0.998	A BV	499904.	160.000	NG	1.38
66	228	1886	31:26	63	1.003	A BB	282728.	160.000	NG	1.38

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	1880	31:20	63	0.999	A VB	107575.	160.000	NC	1.38
68	149	1898	31:38	63	1.009	A BB	481313.	160.000	NC	1.38
69	244	1680	28:00	63	0.893	A VB	324975.	160.000	NG+B3	1.38
70	264	2174	36:14	70	1.000	A BB	109107.	40.000	NG/UL	0.34
71	149	2006	33:26	70	0.923	A VB	585571.	160.000	NC	1.38
72	252	2084	34:44	70	0.959	A VV	467396.	160.000	NG	1.38
73	252	2091	34:51	70	0.962	A VB	343080.	160.000	NG	1.38
74	252	2162	36:02	70	0.994	A BB	424035.	160.000	NG	1.38
75	276	2523	42:03	70	1.161	A BB	515932.	160.000	NC	1.38
76	278	2533	42:13	70	1.165	A BB	464424.	160.000	NG	1.38
77	276	2629	43:49	70	1.209	A BB	450360.	160.000	NC	1.38

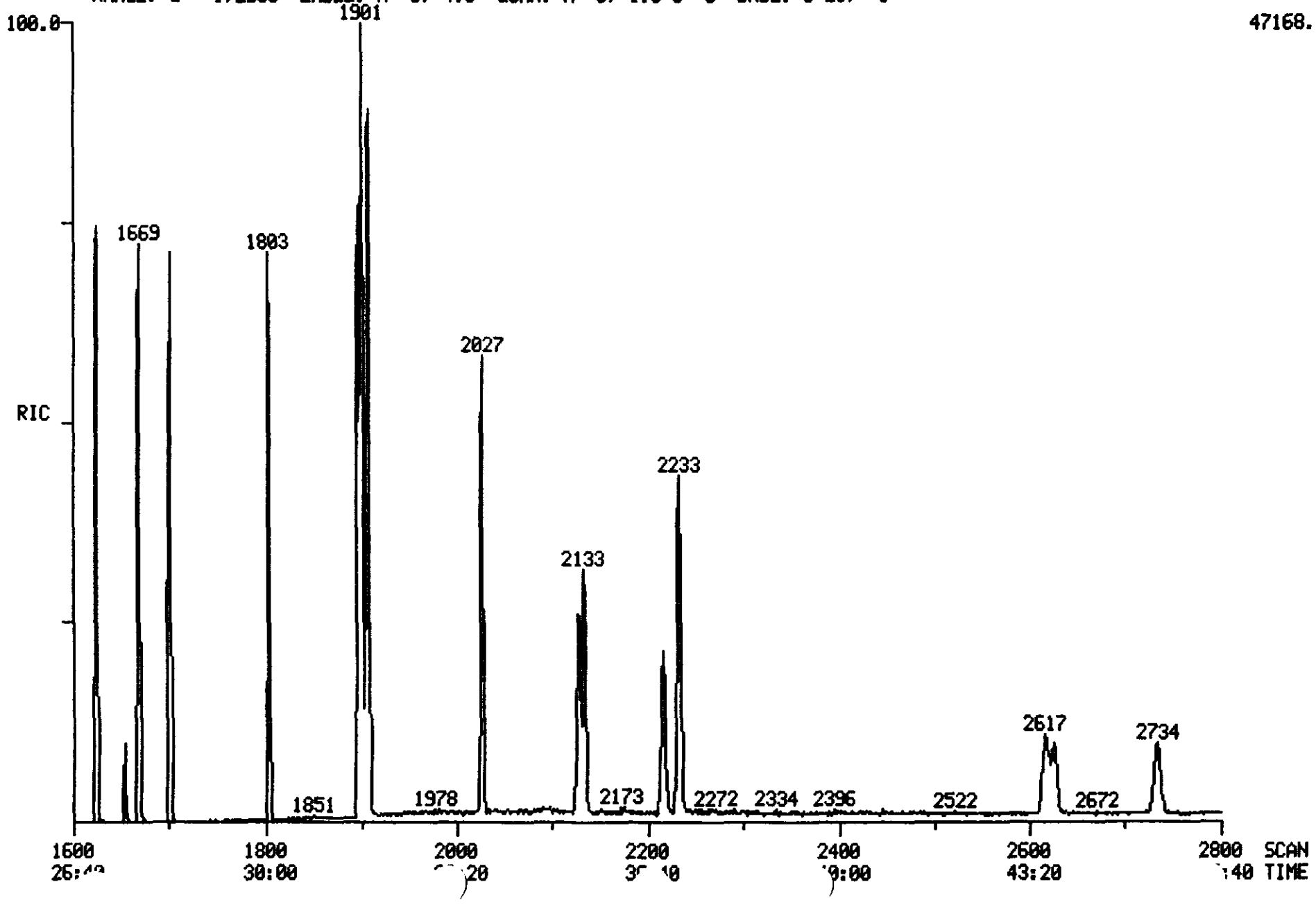
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:15	1.00	1.124	1.00	160.00	160.00	0.554	0.554	1.00
52	21:20	1.00	1.184	1.00	160.00	160.00	0.421	0.421	1.00
53	21:44	1.00	1.206	1.00	160.00	160.00	0.523	0.523	1.00
54	15:56	1.00	0.884	1.00	160.00	160.00	1.188	1.188	1.00
55	22:43	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:21	1.00	0.984	1.00	160.00	160.00	0.132	0.132	1.00
57	22:49	1.00	1.004	1.00	160.00	160.00	1.099	1.099	1.00
58	22:57	1.00	1.010	1.00	160.00	160.00	0.691	0.691	1.00
59	24:55	1.00	1.097	1.00	160.00	160.00	1.180	1.180	1.00
60	26:41	1.00	1.175	1.00	160.00	160.00	0.875	0.875	1.00
61	27:24	1.00	0.874	1.00	160.00	160.00	1.179	1.179	1.00
62	20:35	1.00	1.142	1.00	160.00	160.00	0.322	0.322	1.00
63	31:21	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	29:46	1.00	0.949	1.00	160.00	160.00	0.987	0.987	1.00
65	31:17	1.00	0.998	1.00	160.00	160.00	1.329	1.329	1.00
66	31:26	1.00	1.003	1.00	160.00	160.00	0.752	0.752	1.00
67	31:20	1.00	0.999	1.00	160.00	160.00	0.286	0.286	1.00
68	31:38	1.00	1.009	1.00	160.00	160.00	1.279	1.279	1.00
69	28:00	1.00	0.893	1.00	160.00	160.00	0.864	0.864	1.00
70	36:14	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:26	1.00	0.923	1.00	160.00	160.00	1.342	1.342	1.00
72	34:44	1.00	0.959	1.00	160.00	160.00	1.071	1.071	1.00
73	34:51	1.00	0.962	1.00	160.00	160.00	0.786	0.786	1.00
74	36:02	1.00	0.994	1.00	160.00	160.00	0.972	0.972	1.00
75	42:03	1.00	1.161	1.00	160.00	160.00	1.182	1.182	1.00
76	42:13	1.00	1.165	1.00	160.00	160.00	1.064	1.064	1.00
77	43:49	1.00	1.209	1.00	160.00	160.00	1.032	1.032	1.00

200123

RIC DATA: Z4718 #1 SCANS 355 TO 1600
05/15/90 16:59:00 CALI: Z4718 #2
SAMPLE: CLP,,,SSTD20,,,22662,B,IC-20,1UL
CONDS.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



RIC DATA: Z4718 #1 SCANS 1600 TO 2800
05/15/90 16:59:00 CALI: Z4718 #2
SAMPLE: CLP,,,SSTD20,,,22662,B,IC-20,1UL
CONDS.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



200124

Quantitation Report File: Z4718

Data: Z4718.TI
05/15/90 16:59:00
ample: CLP,,,SSTD20,,,22662,B,IC-20,1UL
Conds.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
Formula: Instrument: Z Weight: 0.010
Submitted by: VERSAR Analyst: EDG Acct. No.:

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	CI40 NAPHTHALENE-D8**INT. STD.#2**
3	CI50 ACENAPHTHENE-D10**INT. STD.#3**
4	CI60 PHENANTHRENE-D10**INT. STD.#4**
5	CI70 CHRYSENE-D12**INT. STD.#5**
6	CI75 PERYLENE-D12**INT. STD.#6**
7	CS50 2-FLUOROPHENOL**ACID SURR.**
8	CS45 PHENOL-D5**ACID SURR.**
9	CS20 NITROBENZENE-D5**BN SURR.**
10	CS25 2-FLUOROBIPHENYL**BN SURR.**
11	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
12	CS30 P-TERPHENYL-D14**BN SURR.**
13	C330 2-CHLOROPHENOL
14	C315 PHENOL
15	C325 BIS (2-CHLOROETHYL) ETHER
16	C335 1,3-DICHLOROBENZENE
17	C340 1,4-DICHLOROBENZENE
18	C350 1,2-DICHLOROBENZENE
19	C345 BENZYL ALCOHOL
20	C360 BIS (2-CHLOROISOPROPYL) ETHER
21	C355 2-METHYLPHENOL
22	C375 HEXACHLOROETHANE
23	C365 4-METHYLPHENOL
24	C370 N-NITROSO-DI-N-PROPYLAMINE
25	C410 NITROBENZENE
26	C415 ISOPHORONE
27	C420 2-NITROPHENOL
28	C425 2,4-DIMETHYLPHENOL
29	C435 BIS (2-CHLOROETHOXY) METHANE
30	C440 2,4-DICHLOROPHENOL
31	C445 1,2,4-TRICHLOROBENZENE
32	C450 NAPHTHALENE
33	C430 BENZOIC ACID
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROBUTADIENE
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	C510 HEXACHLOROCYCLOPENTADIENE
39	C515 2,4,6-TRICHLOROPHENOL
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLORONAPHTHALENE
42	C530 2-NITROANILINE
43	C540 ACENAPHTHYLENE
44	C535 DIMETHYL PHTHALATE
45	C544 2,6-DINITROTOLUENE
46	C550 ACENAPHTHENE
47	C545 3-NITROANILINE

200125

No	Name
48	C555 2,4-DINITROPHENOL
49	C565 DIBENZOFURAN
50	C560 4-NITROPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	545	9:05	1	1.000	A BB	27417.	40.000	NG/UL	2.41
2	136	765	12:45	2	1.000	A BB	81266.	40.000	NG/UL	2.41
3	164	1100	18:20	3	1.000	A BB	47717.	40.000	NG/UL	2.41
4	188	1386	23:06	4	1.000	A BB	83568.	40.000	NG/UL	2.41
5	240	1901	31:41	5	1.000	A BB	44667.	40.000	NG/UL	2.41
6	264	2233	37:13	6	1.000	A BB	32591.	40.000	NG/UL	2.41
7	112	365	6:05	1	0.670	A BB	6680.	20.000	NG*A1	1.20
8	99	492	8:12	1	0.903	A BB	22247.	20.000	NG*A2	1.20
9	82	644	10:44	2	0.842	A BB	23257.	20.000	NG*B1	1.20
10	172	971	16:11	3	0.883	A BB	35480.	20.000	NG*B2	1.20
11	330	1254	20:54	3	1.140	A BB	4454.	20.000	NG*A3	1.20
12	244	1701	28:21	5	0.895	A BB	22738.	20.000	NG*B3	1.20
13	128	516	8:36	1	0.947	A BB	19788.	20.000	NG.	1.20
14	94	494	8:14	1	0.906	A BB	23928.	20.000	NG.	1.20
15	93	510	8:30	1	0.936	A VB	21814.	20.000	NG	1.20
16	146	539	8:59	1	0.989	A BB	21837.	20.000	NG	1.20
17	146	547	9:07	1	1.004	A BB	22835.	20.000	NG.	1.20
18	146	578	9:38	1	1.061	A BB	21152.	20.000	NG	1.20
19	108	570	9:30	1	1.046	A BB	10847.	20.000	NG	1.20
20	45	596	9:56	1	1.094	A BB	30422.	20.000	NG	1.20
21	108	589	9:49	1	1.081	A BB	16216.	20.000	NG	1.20
22	117	627	10:27	1	1.150	A BB	10546.	20.000	NG	1.20
23	108	614	10:14	1	1.127	A BB	16020.	20.000	NG	1.20
24	70	621	10:21	1	1.139	A BB	17461.	20.000	NG.	1.20
25	77	647	10:47	2	0.846	A BB	25633.	20.000	NG	1.20
26	82	685	11:25	2	0.895	A BB	42562.	20.000	NG	1.20
27	139	702	11:42	2	0.918	A BB	11375.	20.000	NG	1.20
28	107	706	11:46	2	0.923	A BB	19815.	20.000	NG	1.20
29	93	727	12:07	2	0.950	A BB	27261.	20.000	NG	1.20
30	162	741	12:21	2	0.969	A BB	15351.	20.000	NG	1.20
31	180	757	12:37	2	0.990	A BB	16950.	20.000	NG.	1.20
32	128	769	12:49	2	1.005	A BB	57128.	20.000	NG	1.20
33	122	721	12:01	2	0.942	A BB	8281.	20.000	NG	1.20
34	127	785	13:05	2	1.026	A BB	16511.	20.000	NG	1.20
35	225	800	13:20	2	1.046	A BB	10112.	20.000	NG	1.20
36	107	872	14:32	2	1.140	A BB	18241.	20.000	NG.	1.20
37	142	897	14:57	2	1.173	A BB	31532.	20.000	NG	1.20
38	237	938	15:38	3	0.853	A BB	7908.	20.000	NG	1.20
39	196	955	15:55	3	0.868	A BV	9719.	20.000	NG	1.20
40	196	961	16:01	3	0.874	A VB	10427.	20.000	NG	1.20
41	162	989	16:29	3	0.899	A BB	32513.	20.000	NG	1.20
42	65	1019	16:59	3	0.926	A BB	12979.	20.000	NG	1.20
43	152	1070	17:50	3	0.973	A BB	51624.	20.000	NG	1.20
44	163	1060	17:40	3	0.964	A BB	39209.	20.000	NG	1.20
45	165	1075	17:55	3	0.977	A BB	8339.	20.000	NG	1.20
46	153	1106	18:26	3	1.005	A BB	34047.	20.000	NG.	1.20
47	138	1099	18:19	3	0.999	A BB	7592.	20.000	NG	1.20
48	184	1118	18:38	3	1.016	A BB	3079.	20.000	NG	1.20
49	168	1136	18:56	3	1.033	A BB	46739.	20.000	NG	1.20
50	109	1129	18:49	3	1.026	A BB	5607.	20.000	NG.	1.20

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:45	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	23:06	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	31:41	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	37:13	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	6:05	1.00	0.670	1.00	20.00	20.00	0.487	0.487	1.00
8	8:12	1.00	0.903	1.00	20.00	20.00	1.623	1.623	1.00
9	10:44	1.00	0.842	1.00	20.00	20.00	0.572	0.572	1.00
10	16:11	1.00	0.883	1.00	20.00	20.00	1.487	1.487	1.00
11	20:54	1.00	1.140	1.00	20.00	20.00	0.187	0.187	1.00
12	28:21	1.00	0.895	1.00	20.00	20.00	1.018	1.018	1.00
13	8:36	1.00	0.947	1.00	20.00	20.00	1.443	1.443	1.00
14	8:14	1.00	0.906	1.00	20.00	20.00	1.745	1.745	1.00
15	8:30	1.00	0.936	1.00	20.00	20.00	1.591	1.591	1.00
16	8:59	1.00	0.989	1.00	20.00	20.00	1.593	1.593	1.00
17	9:07	1.00	1.004	1.00	20.00	20.00	1.666	1.666	1.00
18	9:38	1.00	1.061	1.00	20.00	20.00	1.543	1.543	1.00
9	9:30	1.00	1.046	1.00	20.00	20.00	0.791	0.791	1.00
20	9:56	1.00	1.094	1.00	20.00	20.00	2.219	2.219	1.00
21	9:49	1.00	1.081	1.00	20.00	20.00	1.183	1.183	1.00
22	10:27	1.00	1.150	1.00	20.00	20.00	0.769	0.769	1.00
23	10:14	1.00	1.127	1.00	20.00	20.00	1.169	1.169	1.00
24	10:21	1.00	1.139	1.00	20.00	20.00	1.274	1.274	1.00
25	10:47	1.00	0.846	1.00	20.00	20.00	0.631	0.631	1.00
26	11:25	1.00	0.895	1.00	20.00	20.00	1.047	1.047	1.00
27	11:42	1.00	0.918	1.00	20.00	20.00	0.280	0.280	1.00
8	11:46	1.00	0.923	1.00	20.00	20.00	0.488	0.488	1.00
29	12:07	1.00	0.950	1.00	20.00	20.00	0.671	0.671	1.00
30	12:21	1.00	0.969	1.00	20.00	20.00	0.378	0.378	1.00
31	12:37	1.00	0.990	1.00	20.00	20.00	0.417	0.417	1.00
32	12:49	1.00	1.005	1.00	20.00	20.00	1.406	1.406	1.00
33	12:01	1.00	0.942	1.00	20.00	20.00	0.204	0.204	1.00
34	13:05	1.00	1.026	1.00	20.00	20.00	0.406	0.406	1.00
35	13:20	1.00	1.046	1.00	20.00	20.00	0.249	0.249	1.00
6	14:32	1.00	1.140	1.00	20.00	20.00	0.449	0.449	1.00
37	14:57	1.00	1.173	1.00	20.00	20.00	0.776	0.776	1.00
38	15:38	1.00	0.853	1.00	20.00	20.00	0.331	0.331	1.00
39	15:55	1.00	0.868	1.00	20.00	20.00	0.407	0.407	1.00
40	16:01	1.00	0.874	1.00	20.00	20.00	0.437	0.437	1.00
41	16:29	1.00	0.899	1.00	20.00	20.00	1.363	1.363	1.00
42	16:59	1.00	0.926	1.00	20.00	20.00	0.544	0.544	1.00
43	17:50	1.00	0.973	1.00	20.00	20.00	2.164	2.164	1.00
44	17:40	1.00	0.964	1.00	20.00	20.00	1.643	1.643	1.00
45	17:55	1.00	0.977	1.00	20.00	20.00	0.350	0.350	1.00
46	18:26	1.00	1.005	1.00	20.00	20.00	1.427	1.427	1.00
47	18:19	1.00	0.999	1.00	20.00	20.00	0.318	0.318	1.00
48	18:38	1.00	1.016	1.00	20.00	20.00	0.129	0.129	1.00
49	18:56	1.00	1.033	1.00	20.00	20.00	1.959	1.959	1.00
50	18:49	1.00	1.026	1.00	20.00	20.00	0.235	0.235	1.00

Z4718

Quantitation Report File: Z4718

Data: Z4718.TI
05/15/90 16:59:00
ample: CLP,,,SSTD20,,,22662,B,IC-20,1UL
Conds.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
Formula: Instrument: Z Weight: 0.010
Submitted by: VERSAR Analyst: EDG Acct. No.:

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

No	Name
51	C570 2,4-DINITROTOLUENE
52	C590 FLUORENE
53	C585 4-CHLOROPHENYL-PHENYLETHER
54	C580 DIETHYLPHTHALATE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITROSODIPHENYLAMINE
58	C625 4-BROMOPHENYL-PHENYLETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C650 DI-N-BUTYLPHTHALATE
64	C655 FLUORANTHENE
65	C715 PYRENE
66	C720 BUTYLBENZYLPHTHALATE
67	C730 BENZO(A)ANTHRACENE
68	C740 CHRYSENE
69	C725 3,3'-DICHLOROBENZIDINE
70	C741 BIS(2-ETHYLHEXYL)PHTHALATE
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

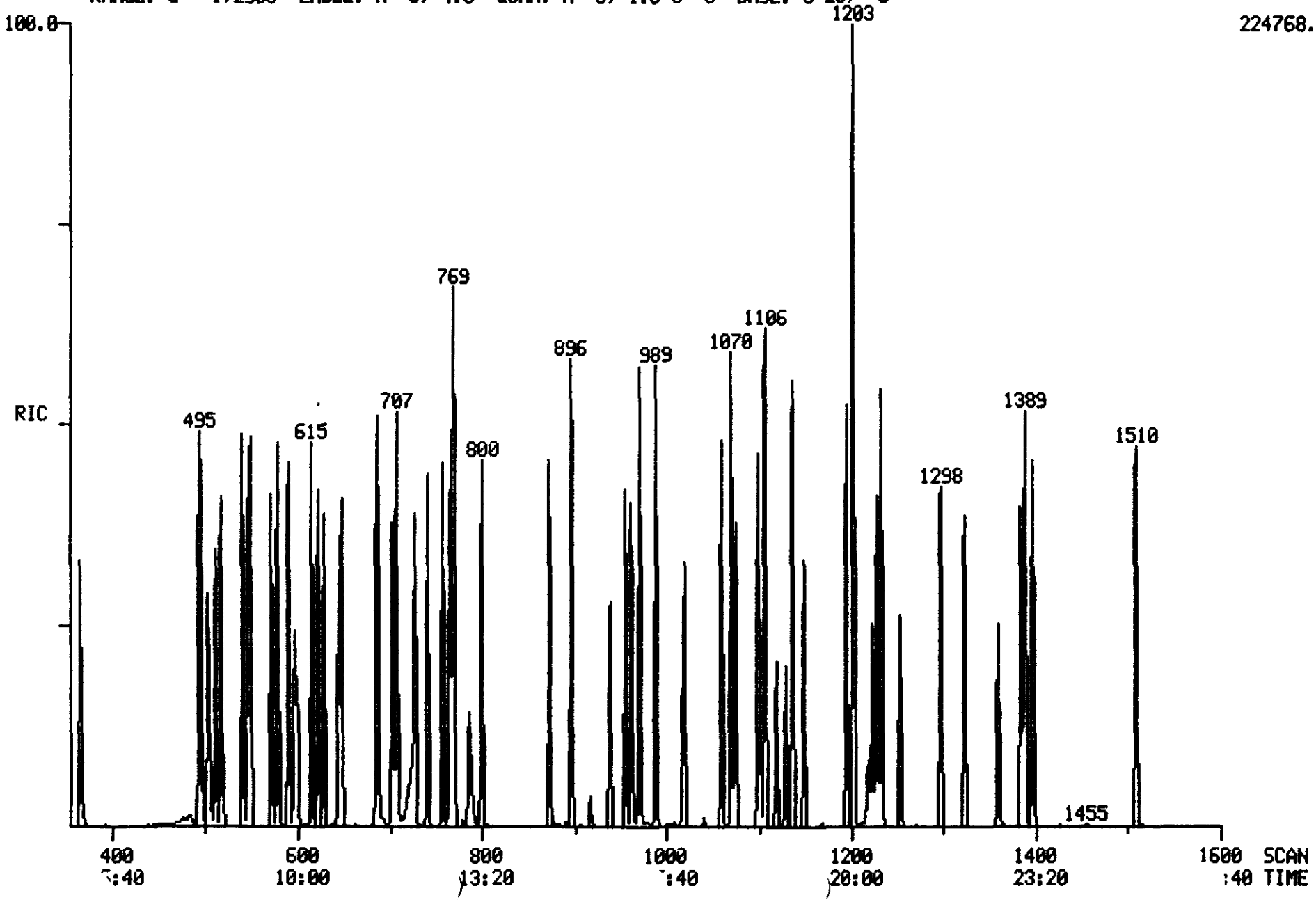
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1148	19:08	3	1.044	A BB	10526.	20.000 NG.	1.20
52	166	1203	20:03	3	1.094	A BB	34412.	20.000 NG	1.20
53	204	1204	20:04	3	1.095	A BB	17210.	20.000 NG	1.20
54	149	1196	19:56	3	1.087	A BB	43910.	20.000 NG	1.20
55	138	1219	20:19	3	1.108	A BB	3290.	20.000 NG	1.20
56	198	1224	20:24	4	0.883	A BB	4521.	20.000 NG	1.20
57	169	1230	20:30	4	0.887	A BB	23248.	20.000 NG	1.20
58	248	1299	21:39	4	0.937	A BB	8834.	20.000 NG	1.20
59	284	1325	22:05	4	0.956	A BB	9999.	20.000 NG	1.20
60	266	1361	22:41	4	0.982	A BB	4237.	20.000 NG.	1.20
61	178	1390	23:10	4	1.003	A BV	49115.	20.000 NG	1.20
62	178	1399	23:19	4	1.009	A VB	48841.	20.000 NG	1.20
63	149	1511	25:11	4	1.090	A BB	59731.	20.000 NG	1.20
64	202	1624	27:04	4	1.172	A BB	40106.	20.000 NG	1.20
65	202	1669	27:49	5	0.878	A BB	40061.	20.000 NG.	1.20
66	149	1803	30:03	5	0.948	A BB	19675.	20.000 NG	1.20

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
67	228	1898	31:38	5	0.998	A BV	24192.	20.000 NG	1.20
68	228	1906	31:46	5	1.003	A VB	20728.	20.000 NG	1.20
69	252	1897	31:37	5	0.998	A BB	5758.	20.000 NG	1.20
70	149	1908	31:48	5	1.004	A BB	28368.	20.000 NG	1.20
71	149	2027	33:47	6	0.908	A BB	39763.	20.000 NG	1.20
72	252	2127	35:27	6	0.953	A BV	19828.	20.000 NG	1.20
73	252	2133	35:33	6	0.955	A VB	19843.	20.000 NG	1.20
74	252	2216	36:56	6	0.992	A BB	17700.	20.000 NG	1.20
75	276	2617	43:37	6	1.172	A BB	15779.	20.000 NG	1.20
76	278	2626	43:46	6	1.176	A BB	12294.	20.000 NG	1.20
77	276	2734	45:34	6	1.224	A BB	13129.	20.000 NG	1.20

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	19:08	1.00	1.044	1.00	20.00	20.00	0.441	0.441	1.00
52	20:03	1.00	1.094	1.00	20.00	20.00	1.442	1.442	1.00
53	20:04	1.00	1.095	1.00	20.00	20.00	0.721	0.721	1.00
54	19:56	1.00	1.087	1.00	20.00	20.00	1.840	1.840	1.00
55	20:19	1.00	1.108	1.00	20.00	20.00	0.138	0.138	1.00
56	20:24	1.00	0.883	1.00	20.00	20.00	0.108	0.108	1.00
57	20:30	1.00	0.887	1.00	20.00	20.00	0.556	0.556	1.00
58	21:39	1.00	0.937	1.00	20.00	20.00	0.211	0.211	1.00
59	22:05	1.00	0.956	1.00	20.00	20.00	0.239	0.239	1.00
60	22:41	1.00	0.982	1.00	20.00	20.00	0.101	0.101	1.00
61	23:10	1.00	1.003	1.00	20.00	20.00	1.175	1.175	1.00
62	23:19	1.00	1.009	1.00	20.00	20.00	1.169	1.169	1.00
63	25:11	1.00	1.090	1.00	20.00	20.00	1.430	1.430	1.00
64	27:04	1.00	1.172	1.00	20.00	20.00	0.960	0.960	1.00
65	27:49	1.00	0.878	1.00	20.00	20.00	1.794	1.794	1.00
66	30:03	1.00	0.948	1.00	20.00	20.00	0.881	0.881	1.00
67	31:38	1.00	0.998	1.00	20.00	20.00	1.083	1.083	1.00
68	31:46	1.00	1.003	1.00	20.00	20.00	0.928	0.928	1.00
69	31:37	1.00	0.998	1.00	20.00	20.00	0.258	0.258	1.00
70	31:48	1.00	1.004	1.00	20.00	20.00	1.270	1.270	1.00
71	33:47	1.00	0.908	1.00	20.00	20.00	2.440	2.440	1.00
72	35:27	1.00	0.953	1.00	20.00	20.00	1.217	1.217	1.00
73	35:33	1.00	0.955	1.00	20.00	20.00	1.218	1.218	1.00
74	36:56	1.00	0.992	1.00	20.00	20.00	1.086	1.086	1.00
75	43:37	1.00	1.172	1.00	20.00	20.00	0.968	0.968	1.00
76	43:46	1.00	1.176	1.00	20.00	20.00	0.754	0.754	1.00
77	45:34	1.00	1.224	1.00	20.00	20.00	0.806	0.806	1.00

Z4718

RIC DATA: Z4713 #1 SCANS 355 TO 1600
05/15/90 11:39:00 CALI: Z4713 #2
SAMPLE: CLP,,,SSTD50,,,22658,B,CC-50,,,1UL
CONDS.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



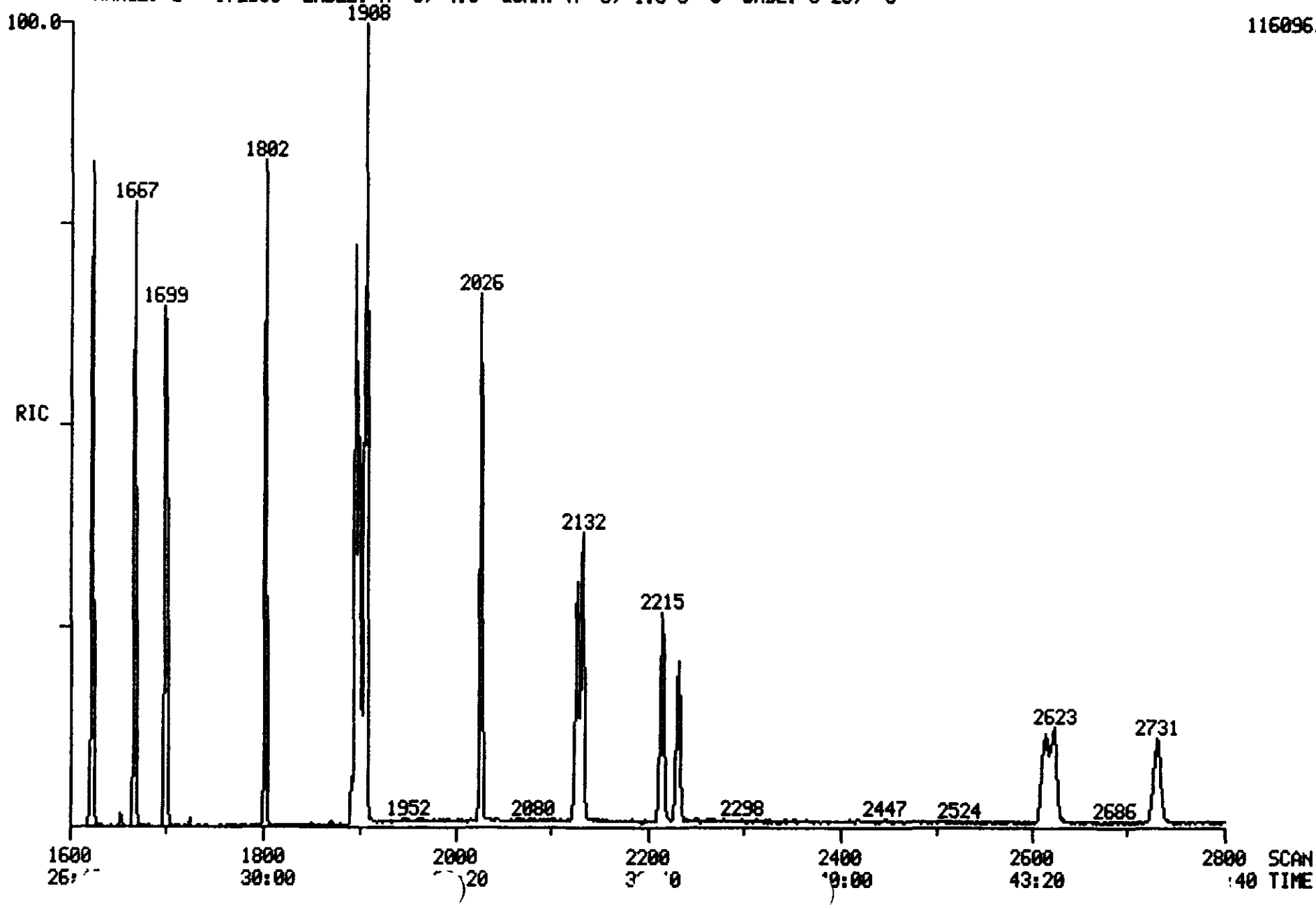
000130

RIC
05/15/90 11:39:00
SAMPLE: CLP,,,SSTD50,,,22658,B,CC-50,,,1UL
CONDS.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: Z4713 #1
CALI: Z4713 #2

SCANS 1600 TO 2800

200131



Quantitation Report File: Z4713

Data: Z4713.TI
05/15/90 11:39:00
ample: CLP,,,SSTD50,,,22658,B,CC-50,,,1UL
Conds.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
Formula: Instrument: Z Weight: 0.010
Submitted by: VERSAR Analyst: EDG Acct. No.:

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	CI40 NAPHTHALENE-D8**INT. STD.#2**
3	CI50 ACENAPHTHENE-D10**INT. STD.#3**
4	CI60 PHENANTHRENE-D10**INT. STD.#4**
5	CI70 CHRYSENE-D12**INT. STD.#5**
6	CI75 PERYLENE-D12**INT. STD.#6**
7	CS50 2-FLUOROPHENOL**ACID SURR.**
8	CS45 PHENOL-D5**ACID SURR.**
9	CS20 NITROBENZENE-D5**BN SURR.**
10	CS25 2-FLUOROBIPHENYL**BN SURR.**
11	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
12	CS30 P-TERPHENYL-D14**BN SURR.**
13	C330 2-CHLOROPHENOL
14	C315 PHENOL
15	C325 BIS (2-CHLOROETHYL) ETHER
16	C335 1,3-DICHLOROBENZENE
17	C340 1,4-DICHLOROBENZENE
18	C350 1,2-DICHLOROBENZENE
19	C345 BENZYL ALCOHOL
20	C360 BIS (2-CHLOROISOPROPYL) ETHER
21	C355 2-METHYLPHENOL
22	C375 HEXACHLOROETHANE
23	C365 4-METHYLPHENOL
24	C370 N-NITROSO-DI-N-PROPYLAMINE
25	C410 NITROBENZENE
26	C415 ISOPHORONE
27	C420 2-NITROPHENOL
28	C425 2,4-DIMETHYLPHENOL
29	C435 BIS (2-CHLOROETHOXY) METHANE
30	C440 2,4-DICHLOROPHENOL
31	C445 1,2,4-TRICHLOROBENZENE
32	C450 NAPHTHALENE
33	C430 BENZOIC ACID
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROBUTADIENE
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	C510 HEXACHLOROCYCLOPENTADIENE
39	C515 2,4,6-TRICHLOROPHENOL
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLORONAPHTHALENE
42	C530 2-NITROANILINE
43	C540 ACENAPHTHYLENE
44	C535 DIMETHYL PHTHALATE
45	C544 2,6-DINITROTOLUENE
46	C550 ACENAPHTHENE
47	C545 3-NITROANILINE

Z 4713

No	Name
48	C555 2,4-DINITROPHENOL
49	C565 DIBENZOFURAN
50	C560 4-NITROPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	546	9:06	1	1.000	A BB	28408.	40.000	NG/UL	1.06
2	136	765	12:45	2	1.000	A BB	84939.	40.000	NG/UL	1.06
3	164	1099	18:19	3	1.000	A BB	52131.	40.000	NG/UL	1.06
4	188	1384	23:04	4	1.000	A BV	84619.	40.000	NG/UL	1.06
5	240	1900	31:40	5	1.000	A BB	50964.	40.000	NG/UL	1.06
6	264	2231	37:11	6	1.000	A BB	37433.	40.000	NG/UL	1.06
7	112	366	6:06	1	0.670	A BB	45181.	50.000	NG*A1	1.32
8	99	493	8:13	1	0.903	A BB	58645.	50.000	NG*A2	1.32
9	82	644	10:44	2	0.842	A BB	58121.	50.000	NG*B1	1.32
10	172	971	16:11	3	0.884	A BB	88691.	50.000	NG*B2	1.32
11	330	1253	20:53	3	1.140	A BB	11592.	50.000	NG*A3	1.32
12	244	1699	28:19	5	0.894	A BB	57664.	50.000	NG*B3	1.32
13	128	518	8:38	1	0.949	A BB	49482.	50.000	NG.	1.32
14	94	496	8:16	1	0.908	A BB	59674.	50.000	NG.	1.32
15	93	512	8:32	1	0.938	A VV	55552.	50.000	NG	1.32
16	146	540	9:00	1	0.989	A BB	54385.	50.000	NG	1.32
17	146	549	9:09	1	1.005	A BB	55752.	50.000	NG.	1.32
18	146	579	9:39	1	1.060	A BB	51777.	50.000	NG	1.32
19	108	572	9:32	1	1.048	A BV	27817.	50.000	NG	1.32
20	45	597	9:57	1	1.093	A BB	76504.	50.000	NG	1.32
21	108	591	9:51	1	1.082	A BB	40026.	50.000	NG	1.32
22	117	628	10:28	1	1.150	A BB	26390.	50.000	NG	1.32
23	108	615	10:15	1	1.126	A BB	39813.	50.000	NG	1.32
24	70	622	10:22	1	1.139	A BV	42498.	50.000	NG.	1.32
25	77	648	10:48	2	0.847	A BB	62756.	50.000	NG	1.32
26	82	686	11:26	2	0.897	A BB	107748.	50.000	NG	1.32
27	139	702	11:42	2	0.918	A BB	35298.	50.000	NG	1.32
28	107	707	11:47	2	0.924	A BB	48573.	50.000	NG	1.32
29	93	728	12:08	2	0.952	A BB	70560.	50.000	NG	1.32
30	162	741	12:21	2	0.969	A BB	39951.	50.000	NG	1.32
31	180	757	12:37	2	0.990	A BB	42795.	50.000	NG.	1.32
32	128	769	12:49	2	1.005	A BB	143617.	50.000	NG	1.32
33	122	726	12:06	2	0.949	A BB	23485.	50.000	NG	1.32
34	127	786	13:06	2	1.027	A BB	34331.	50.000	NG	1.32
35	225	800	13:20	2	1.046	A BB	25369.	50.000	NG	1.32
36	107	872	14:32	2	1.140	A BB	46055.	50.000	NG.	1.32
37	142	896	14:56	2	1.171	A BB	79600.	50.000	NG	1.32
38	237	937	15:37	3	0.853	A BB	22392.	50.000	NG	1.32
39	196	955	15:55	3	0.869	A BV	25555.	50.000	NG	1.32
40	196	961	16:01	3	0.874	A VB	27186.	50.000	NG	1.32
41	162	989	16:29	3	0.900	A BB	83589.	50.000	NG	1.32
42	65	1019	16:59	3	0.927	A BB	32275.	50.000	NG	1.32
43	152	1070	17:50	3	0.974	A BB	133789.	50.000	NG	1.32
44	163	1059	17:39	3	0.964	A BB	99388.	50.000	NG	1.32
45	165	1074	17:54	3	0.977	A BB	22676.	50.000	NG	1.32
46	153	1106	18:26	3	1.006	A BB	84980.	50.000	NG.	1.32
47	138	1099	18:19	3	1.000	A BB	6564.	50.000	NG	1.32
48	184	1118	18:38	3	1.017	A BB	10903.	50.000	NG	1.32
49	168	1136	18:56	3	1.034	A BB	119007.	50.000	NG	1.32
50	109	1128	18:48	3	1.026	A BV	13880.	50.000	NG.	1.32

Z4713

200133

Z4713

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:06	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:45	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:19	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	23:04	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	31:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	37:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	6:06	1.00	0.670	1.00	50.00	50.00	1.272	1.272	1.00
8	8:13	1.00	0.903	1.00	50.00	50.00	1.652	1.652	1.00
9	10:44	1.00	0.842	1.00	50.00	50.00	0.547	0.547	1.00
10	16:11	1.00	0.884	1.00	50.00	50.00	1.361	1.361	1.00
11	20:53	1.00	1.140	1.00	50.00	50.00	0.178	0.178	1.00
12	28:19	1.00	0.894	1.00	50.00	50.00	0.905	0.905	1.00
13	8:38	1.00	0.949	1.00	50.00	50.00	1.393	1.393	1.00
14	8:16	1.00	0.908	1.00	50.00	50.00	1.680	1.680	1.00
15	8:32	1.00	0.938	1.00	50.00	50.00	1.564	1.564	1.00
16	9:00	1.00	0.989	1.00	50.00	50.00	1.532	1.532	1.00
17	9:09	1.00	1.005	1.00	50.00	50.00	1.570	1.570	1.00
18	9:39	1.00	1.060	1.00	50.00	50.00	1.458	1.458	1.00
19	9:32	1.00	1.048	1.00	50.00	50.00	0.783	0.783	1.00
20	9:57	1.00	1.093	1.00	50.00	50.00	2.154	2.154	1.00
21	9:51	1.00	1.082	1.00	50.00	50.00	1.127	1.127	1.00
22	10:28	1.00	1.150	1.00	50.00	50.00	0.743	0.743	1.00
23	10:15	1.00	1.126	1.00	50.00	50.00	1.121	1.121	1.00
24	10:22	1.00	1.139	1.00	50.00	50.00	1.197	1.197	1.00
25	10:48	1.00	0.847	1.00	50.00	50.00	0.591	0.591	1.00
26	11:26	1.00	0.897	1.00	50.00	50.00	1.015	1.015	1.00
27	11:42	1.00	0.918	1.00	50.00	50.00	0.332	0.332	1.00
28	11:47	1.00	0.924	1.00	50.00	50.00	0.457	0.457	1.00
29	12:08	1.00	0.952	1.00	50.00	50.00	0.665	0.665	1.00
30	12:21	1.00	0.969	1.00	50.00	50.00	0.376	0.376	1.00
31	12:37	1.00	0.990	1.00	50.00	50.00	0.403	0.403	1.00
32	12:49	1.00	1.005	1.00	50.00	50.00	1.353	1.353	1.00
33	12:06	1.00	0.949	1.00	50.00	50.00	0.221	0.221	1.00
34	13:06	1.00	1.027	1.00	50.00	50.00	0.323	0.323	1.00
35	13:20	1.00	1.046	1.00	50.00	50.00	0.239	0.239	1.00
36	14:32	1.00	1.140	1.00	50.00	50.00	0.434	0.434	1.00
37	14:56	1.00	1.171	1.00	50.00	50.00	0.750	0.750	1.00
38	15:37	1.00	0.853	1.00	50.00	50.00	0.344	0.344	1.00
39	15:55	1.00	0.869	1.00	50.00	50.00	0.392	0.392	1.00
40	16:01	1.00	0.874	1.00	50.00	50.00	0.417	0.417	1.00
41	16:29	1.00	0.900	1.00	50.00	50.00	1.283	1.283	1.00
42	16:59	1.00	0.927	1.00	50.00	50.00	0.495	0.495	1.00
43	17:50	1.00	0.974	1.00	50.00	50.00	2.053	2.053	1.00
44	17:39	1.00	0.964	1.00	50.00	50.00	1.525	1.525	1.00
45	17:54	1.00	0.977	1.00	50.00	50.00	0.348	0.348	1.00
46	18:26	1.00	1.006	1.00	50.00	50.00	1.304	1.304	1.00
47	18:19	1.00	1.000	1.00	50.00	50.00	0.101	0.101	1.00
48	18:38	1.00	1.017	1.00	50.00	50.00	0.167	0.167	1.00
49	18:56	1.00	1.034	1.00	50.00	50.00	1.826	1.826	1.00
50	18:48	1.00	1.026	1.00	50.00	50.00	0.213	0.213	1.00

Z4713

200134

Quantitation Report File: Z4713

Data: Z4713.TI
05/15/90 11:39:00
Sample: CLP,,,SSTD50,,,22658,B,CC-50,,,1UL
Conds.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
Formula: Instrument: Z Weight: 0.010
Submitted by: VERSAR Analyst: EDG Acct. No.:

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

No	Name
51	C570 2,4-DINITROTOLUENE
52	C590 FLUORENE
53	C585 4-CHLOROPHENYL-PHENYLETHER
54	C580 DIETHYLPHTHALATE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITROSODIPHENYLAMINE
58	C625 4-BROMOPHENYL-PHENYLETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C650 DI-N-BUTYLPHTHALATE
64	C655 FLUORANTHENE
65	C715 PYRENE
66	C720 BUTYLBENZYLPHTHALATE
67	C730 BENZO(A)ANTHRACENE
68	C740 CHRYSENE
69	C725 3,3'-DICHLOROBENZIDINE
70	C741 BIS(2-ETHYLHEXYL)PHTHALATE
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1148	19:08	3	1.045	A BB	26987.	50.000 NG.	1.32
52	166	1202	20:02	3	1.094	A BB	84539.	50.000 NG	1.32
53	204	1203	20:03	3	1.095	A BB	44299.	50.000 NG	1.32
54	149	1195	19:55	3	1.087	A BV	106515.	50.000 NG	1.32
55	138	1219	20:19	3	1.109	A BB	12749.	50.000 NG	1.32
56	198	1224	20:24	4	0.884	A BB	14373.	50.000 NG	1.32
57	169	1229	20:29	4	0.888	A BB	50720.	50.000 NG	1.32
58	248	1297	21:37	4	0.937	A BB	23022.	50.000 NG	1.32
59	284	1323	22:03	4	0.956	A BB	25493.	50.000 NG	1.32
60	266	1359	22:39	4	0.982	A BB	13666.	50.000 NG.	1.32
61	178	1389	23:09	4	1.004	A BV	116988.	50.000 NG	1.32
62	178	1397	23:17	4	1.009	A VB	119173.	50.000 NG	1.32
63	149	1510	25:10	4	1.091	A BB	143207.	50.000 NG	1.32
64	202	1623	27:03	4	1.173	A BV	102766.	50.000 NG	1.32
65	202	1667	27:47	5	0.877	A BB	102648.	50.000 NG.	1.32
66	149	1802	30:02	5	0.948	A BB	52116.	50.000 NG	1.32

Z4713

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
67	228	1897	31:37	5	0.998	A BV	64075.	50.000 NG	1.32
68	228	1905	31:45	5	1.003	A VB	52187.	50.000 NG	1.32
69	252	1896	31:36	5	0.998	A BB	10543.	50.000 NG	1.32
70	149	1908	31:48	5	1.004	A BB	75103.	50.000 NG	1.32
71	149	2026	33:46	6	0.908	A BB	113353.	50.000 NG	1.32
72	252	2126	35:26	6	0.953	A BV	55894.	50.000 NG	1.32
73	252	2132	35:32	6	0.956	A VB	50377.	50.000 NG	1.32
74	252	2215	36:55	6	0.993	A BV	49982.	50.000 NG	1.32
75	276	2614	43:34	6	1.172	A BB	41014.	50.000 NG	1.32
76	278	2623	43:43	6	1.176	A BB	31982.	50.000 NG	1.32
77	276	2731	45:31	6	1.224	A BB	35377.	50.000 NG	1.32

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	19:08	1.00	1.045	1.00	50.00	50.00	0.414	0.414	1.00
52	20:02	1.00	1.094	1.00	50.00	50.00	1.297	1.297	1.00
53	20:03	1.00	1.095	1.00	50.00	50.00	0.680	0.680	1.00
54	19:55	1.00	1.087	1.00	50.00	50.00	1.635	1.635	1.00
55	20:19	1.00	1.109	1.00	50.00	50.00	0.196	0.196	1.00
6	20:24	1.00	0.884	1.00	50.00	50.00	0.136	0.136	1.00
57	20:29	1.00	0.888	1.00	50.00	50.00	0.480	0.480	1.00
58	21:37	1.00	0.937	1.00	50.00	50.00	0.218	0.218	1.00
59	22:03	1.00	0.956	1.00	50.00	50.00	0.241	0.241	1.00
60	22:39	1.00	0.982	1.00	50.00	50.00	0.129	0.129	1.00
61	23:09	1.00	1.004	1.00	50.00	50.00	1.106	1.106	1.00
62	23:17	1.00	1.009	1.00	50.00	50.00	1.127	1.127	1.00
63	25:10	1.00	1.091	1.00	50.00	50.00	1.354	1.354	1.00
64	27:03	1.00	1.173	1.00	50.00	50.00	0.972	0.972	1.00
5	27:47	1.00	0.877	1.00	50.00	50.00	1.611	1.611	1.00
66	30:02	1.00	0.948	1.00	50.00	50.00	0.818	0.818	1.00
67	31:37	1.00	0.998	1.00	50.00	50.00	1.006	1.006	1.00
68	31:45	1.00	1.003	1.00	50.00	50.00	0.819	0.819	1.00
69	31:36	1.00	0.998	1.00	50.00	50.00	0.165	0.165	1.00
70	31:48	1.00	1.004	1.00	50.00	50.00	1.179	1.179	1.00
71	33:46	1.00	0.908	1.00	50.00	50.00	2.423	2.423	1.00
72	35:26	1.00	0.953	1.00	50.00	50.00	1.195	1.195	1.00
73	35:32	1.00	0.956	1.00	50.00	50.00	1.077	1.077	1.00
74	36:55	1.00	0.993	1.00	50.00	50.00	1.068	1.068	1.00
75	43:34	1.00	1.172	1.00	50.00	50.00	0.877	0.877	1.00
76	43:43	1.00	1.176	1.00	50.00	50.00	0.684	0.684	1.00
77	45:31	1.00	1.224	1.00	50.00	50.00	0.756	0.756	1.00

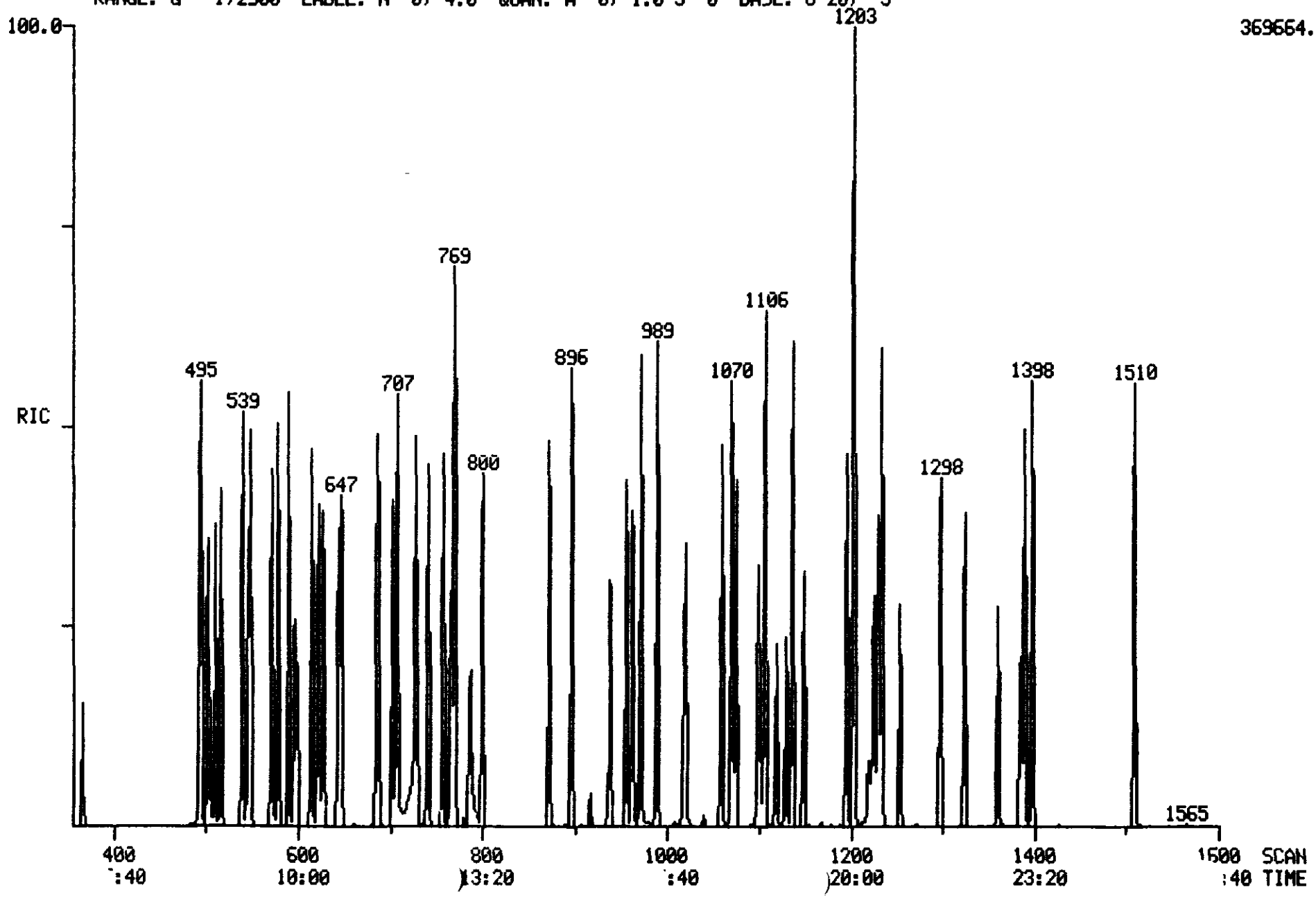
Z4713

200136

RIC
05/15/90 15:58:00
SAMPLE: CLP,,,SSTD80,,,22661,B,IC80,1UL
CONDS.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

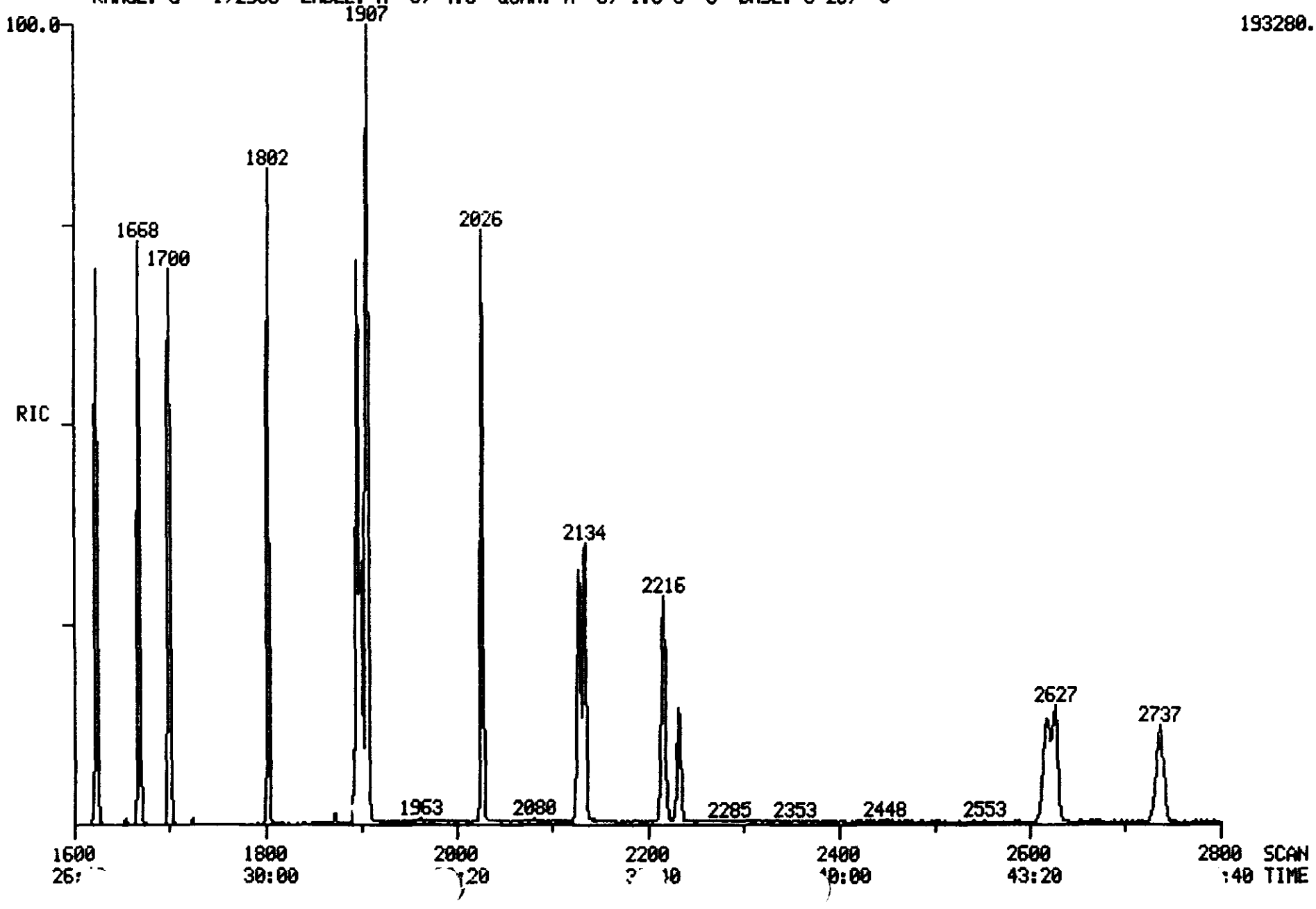
DATA: Z4717 #1
CALI: Z4717 #2

SCANS 355 TO 1600



200137

RIC DATA: Z4717 #1 SCANS 1600 TO 2800
05/15/90 15:58:00 CALI: Z4717 #2
SAMPLE: CLP,,,SSTD80,,,22661,B,IC80,1UL
CONDS.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: Z4717

Data: Z4717.TI
05/15/90 15:58:00
Sample: CLP,,,SSTD80,,,22661,B,IC80,1UL
Conds.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
Formula: Instrument: Z Weight: 0.010
Submitted by: VERSAR Analyst: EDG Acct. No.:

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	CI40 NAPHTHALENE-D8**INT. STD.#2**
3	CI50 ACENAPHTHENE-D10**INT. STD.#3**
4	CI60 PHENANTHRENE-D10**INT. STD.#4**
5	CI70 CHRYSENE-D12**INT. STD.#5**
6	CI75 PERYLENE-D12**INT. STD.#6**
7	CS50 2-FLUOROPHENOL**ACID SURR.**
8	CS45 PHENOL-D5**ACID SURR.**
9	CS20 NITROBENZENE-D5**BN SURR.**
10	CS25 2-FLUOROBIPHENYL**BN SURR.**
11	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
12	CS30 P-TERPHENYL-D14**BN SURR.**
13	C330 2-CHLOROPHENOL
14	C315 PHENOL
15	C325 BIS (2-CHLOROETHYL) ETHER
16	C335 1,3-DICHLOROBENZENE
17	C340 1,4-DICHLOROBENZENE
18	C350 1,2-DICHLOROBENZENE
19	C345 BENZYL ALCOHOL
20	C360 BIS (2-CHLOROISOPROPYL) ETHER
21	C355 2-METHYLPHENOL
22	C375 HEXACHLOROETHANE
23	C365 4-METHYLPHENOL
24	C370 N-NITROSO-DI-N-PROPYLAMINE
25	C410 NITROBENZENE
26	C415 ISOPHORONE
27	C420 2-NITROPHENOL
28	C425 2,4-DIMETHYLPHENOL
29	C435 BIS (2-CHLOROETHOXY) METHANE
30	C440 2,4-DICHLOROPHENOL
31	C445 1,2,4-TRICHLOROBENZENE
32	C450 NAPHTHALENE
33	C430 BENZOIC ACID
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROBUTADIENE
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	C510 HEXACHLOROCYCLOPENTADIENE
39	C515 2,4,6-TRICHLOROPHENOL
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLORONAPHTHALENE
42	C530 2-NITROANILINE
43	C540 ACENAPHTHYLENE
44	C535 DIMETHYL PHTHALATE
45	C544 2,6-DINITROTOLUENE
46	C550 ACENAPHTHENE
47	C545 3-NITROANILINE

No	Name
48	C555 2,4-DINITROPHENOL
49	C565 DIBENZOFURAN
50	C560 4-NITROPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	545	9:05	1	1.000	A BB	31222.	40.000	NG/UL	0.68
2	136	765	12:45	2	1.000	A BB	97192.	40.000	NG/UL	0.68
3	164	1099	18:19	3	1.000	A BB	55783.	40.000	NG/UL	0.68
4	188	1385	23:05	4	1.000	A BB	86854.	40.000	NG/UL	0.68
5	240	1901	31:41	5	1.000	A BB	53616.	40.000	NG/UL	0.68
6	264	2232	37:12	6	1.000	A BB	42376.	40.000	NG/UL	0.68
7	112	365	6:05	1	0.670	A BB	24449.	80.000	NG*A1	1.35
8	99	493	8:13	1	0.905	A BB	104320.	80.000	NG*A2	1.35
9	82	644	10:44	2	0.842	A BB	109848.	80.000	NG*B1	1.35
10	172	971	16:11	3	0.884	A BB	147755.	80.000	NG*B2	1.35
11	330	1254	20:54	3	1.141	A BB	19110.	80.000	NG*A3	1.35
12	244	1700	28:20	5	0.894	A BB	92517.	80.000	NG*B3	1.35
13	128	517	8:37	1	0.949	A BB	86741.	80.000	NG.	1.35
14	94	495	8:15	1	0.908	A BV	108052.	80.000	NG.	1.35
15	93	511	8:31	1	0.938	A VV	97708.	80.000	NG	1.35
16	146	539	8:59	1	0.989	A BB	92727.	80.000	NG	1.35
17	146	547	9:07	1	1.004	A BB	94360.	80.000	NG.	1.35
18	146	578	9:38	1	1.061	A BB	88893.	80.000	NG	1.35
19	108	571	9:31	1	1.048	A BV	51846.	80.000	NG	1.35
20	45	597	9:57	1	1.095	A BB	138596.	80.000	NG	1.35
21	108	590	9:50	1	1.083	A BB	73151.	80.000	NG	1.35
22	117	627	10:27	1	1.150	A BB	47120.	80.000	NG	1.35
23	108	615	10:15	1	1.128	A BB	74567.	80.000	NG	1.35
24	70	622	10:22	1	1.141	A BB	79830.	80.000	NG.	1.35
25	77	647	10:47	2	0.846	A BB	117545.	80.000	NG	1.35
26	82	686	11:26	2	0.897	A BB	196059.	80.000	NG	1.35
27	139	702	11:42	2	0.918	A BV	49362.	80.000	NG	1.35
28	107	707	11:47	2	0.924	A BB	90689.	80.000	NG	1.35
29	93	728	12:08	2	0.952	A BB	125860.	80.000	NG	1.35
30	162	741	12:21	2	0.969	A BB	70215.	80.000	NG	1.35
31	180	757	12:37	2	0.990	A BB	71924.	80.000	NG.	1.35
32	128	769	12:49	2	1.005	A BB	246490.	80.000	NG	1.35
33	122	730	12:10	2	0.954	A BB	48543.	80.000	NG	1.35
34	127	786	13:06	2	1.027	A BB	78879.	80.000	NG	1.35
35	225	800	13:20	2	1.046	A BB	41148.	80.000	NG	1.35
36	107	872	14:32	2	1.140	A BB	86438.	80.000	NG.	1.35
37	142	896	14:56	2	1.171	A BB	140125.	80.000	NG	1.35
38	237	937	15:37	3	0.853	A BB	40638.	80.000	NG	1.35
39	196	955	15:55	3	0.869	A BV	43807.	80.000	NG	1.35
40	196	961	16:01	3	0.874	A VB	46658.	80.000	NG	1.35
41	162	989	16:29	3	0.900	A BB	140803.	80.000	NG	1.35
42	65	1019	16:59	3	0.927	A BB	63207.	80.000	NG	1.35
43	152	1070	17:50	3	0.974	A BB	227086.	80.000	NG	1.35
44	163	1060	17:40	3	0.965	A BB	166723.	80.000	NG	1.35
45	165	1075	17:55	3	0.978	A BB	38996.	80.000	NG	1.35
46	153	1106	18:26	3	1.006	A BB	142243.	80.000	NG.	1.35
47	138	1100	18:20	3	1.001	A BB	13964.	80.000	NG	1.35
48	184	1118	18:38	3	1.017	A BB	19632.	80.000	NG	1.35
49	168	1136	18:56	3	1.034	A BB	193795.	80.000	NG	1.35
50	109	1129	18:49	3	1.027	A BV	28059.	80.000	NG.	1.35

Z4717

200140

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:45	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:19	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	23:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	31:41	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	37:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	6:05	1.00	0.670	1.00	80.00	80.00	0.392	0.392	1.00
8	8:13	1.00	0.905	1.00	80.00	80.00	1.671	1.671	1.00
9	10:44	1.00	0.842	1.00	80.00	80.00	0.565	0.565	1.00
10	16:11	1.00	0.884	1.00	80.00	80.00	1.324	1.324	1.00
11	20:54	1.00	1.141	1.00	80.00	80.00	0.171	0.171	1.00
12	28:20	1.00	0.894	1.00	80.00	80.00	0.863	0.863	1.00
13	8:37	1.00	0.949	1.00	80.00	80.00	1.389	1.389	1.00
14	8:15	1.00	0.908	1.00	80.00	80.00	1.730	1.730	1.00
15	8:31	1.00	0.938	1.00	80.00	80.00	1.565	1.565	1.00
16	8:59	1.00	0.989	1.00	80.00	80.00	1.485	1.485	1.00
17	9:07	1.00	1.004	1.00	80.00	80.00	1.511	1.511	1.00
18	9:38	1.00	1.061	1.00	80.00	80.00	1.424	1.424	1.00
19	9:31	1.00	1.048	1.00	80.00	80.00	0.830	0.830	1.00
20	9:57	1.00	1.095	1.00	80.00	80.00	2.220	2.220	1.00
21	9:50	1.00	1.083	1.00	80.00	80.00	1.171	1.171	1.00
22	10:27	1.00	1.150	1.00	80.00	80.00	0.755	0.755	1.00
23	10:15	1.00	1.128	1.00	80.00	80.00	1.194	1.194	1.00
24	10:22	1.00	1.141	1.00	80.00	80.00	1.278	1.278	1.00
25	10:47	1.00	0.846	1.00	80.00	80.00	0.605	0.605	1.00
26	11:26	1.00	0.897	1.00	80.00	80.00	1.009	1.009	1.00
27	11:42	1.00	0.918	1.00	80.00	80.00	0.254	0.254	1.00
28	11:47	1.00	0.924	1.00	80.00	80.00	0.467	0.467	1.00
29	12:08	1.00	0.952	1.00	80.00	80.00	0.647	0.647	1.00
30	12:21	1.00	0.969	1.00	80.00	80.00	0.361	0.361	1.00
31	12:37	1.00	0.990	1.00	80.00	80.00	0.370	0.370	1.00
32	12:49	1.00	1.005	1.00	80.00	80.00	1.268	1.268	1.00
33	12:10	1.00	0.954	1.00	80.00	80.00	0.250	0.250	1.00
34	13:06	1.00	1.027	1.00	80.00	80.00	0.406	0.406	1.00
35	13:20	1.00	1.046	1.00	80.00	80.00	0.212	0.212	1.00
36	14:32	1.00	1.140	1.00	80.00	80.00	0.445	0.445	1.00
37	14:56	1.00	1.171	1.00	80.00	80.00	0.721	0.721	1.00
38	15:37	1.00	0.853	1.00	80.00	80.00	0.364	0.364	1.00
39	15:55	1.00	0.869	1.00	80.00	80.00	0.393	0.393	1.00
40	16:01	1.00	0.874	1.00	80.00	80.00	0.418	0.418	1.00
41	16:29	1.00	0.900	1.00	80.00	80.00	1.262	1.262	1.00
42	16:59	1.00	0.927	1.00	80.00	80.00	0.567	0.567	1.00
43	17:50	1.00	0.974	1.00	80.00	80.00	2.035	2.035	1.00
44	17:40	1.00	0.965	1.00	80.00	80.00	1.494	1.494	1.00
45	17:55	1.00	0.978	1.00	80.00	80.00	0.350	0.350	1.00
46	18:26	1.00	1.006	1.00	80.00	80.00	1.275	1.275	1.00
47	18:20	1.00	1.001	1.00	80.00	80.00	0.125	0.125	1.00
48	18:38	1.00	1.017	1.00	80.00	80.00	0.176	0.176	1.00
49	18:56	1.00	1.034	1.00	80.00	80.00	1.737	1.737	1.00
50	18:49	1.00	1.027	1.00	80.00	80.00	0.252	0.252	1.00

24717

Quantitation Report File: Z4717

Data: Z4717.TI
5/15/90 15:58:00
ample: CLP,,,SSTD80,,,22661,B,IC80,1UL
Conds.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
Formula: Instrument: Z Weight: 0.010
Submitted by: VERSAR Analyst: EDG Acct. No.:

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

No	Name
51	C570 2,4-DINITROTOLUENE
52	C590 FLUORENE
53	C585 4-CHLOROPHENYL-PHENYLETHER
54	C580 DIETHYLPHTHALATE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITROSODIPHENYLAMINE
58	C625 4-BROMOPHENYL-PHENYLETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C650 DI-N-BUTYLPHTHALATE
64	C655 FLUORANTHENE
65	C715 PYRENE
66	C720 BUTYLBENZYLPHTHALATE
67	C730 BENZO(A)ANTHRACENE
68	C740 CHRYSENE
69	C725 3,3'-DICHLOROBENZIDINE
70	C741 BIS(2-ETHYLHEXYL)PHTHALATE
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1148	19:08	3	1.045	A BB	47424.	80.000 NG.	1.35
52	166	1203	20:03	3	1.095	A BB	134493.	80.000 NG	1.35
53	204	1203	20:03	3	1.095	A BB	67406.	80.000 NG	1.35
54	149	1195	19:55	3	1.087	A BV	180433.	80.000 NG	1.35
55	138	1219	20:19	3	1.109	A BB	19263.	80.000 NG	1.35
56	198	1225	20:25	4	0.884	A BB	24320.	80.000 NG	1.35
57	169	1229	20:29	4	0.887	A BB	88279.	80.000 NG	1.35
58	248	1297	21:37	4	0.936	A BB	37050.	80.000 NG	1.35
59	284	1324	22:04	4	0.956	A BB	38824.	80.000 NG	1.35
60	266	1359	22:39	4	0.981	A BB	21803.	80.000 NG.	1.35
61	178	1389	23:09	4	1.003	A BV	183478.	80.000 NG	1.35
62	178	1398	23:18	4	1.009	A VB	190523.	80.000 NG	1.35
63	149	1510	25:10	4	1.090	A BV	247990.	80.000 NG	1.35
64	202	1623	27:03	4	1.172	A BB	159630.	80.000 NG	1.35
65	202	1668	27:48	5	0.877	A BB	157266.	80.000 NG.	1.35
66	149	1802	30:02	5	0.948	A BV	91607.	80.000 NG	1.35

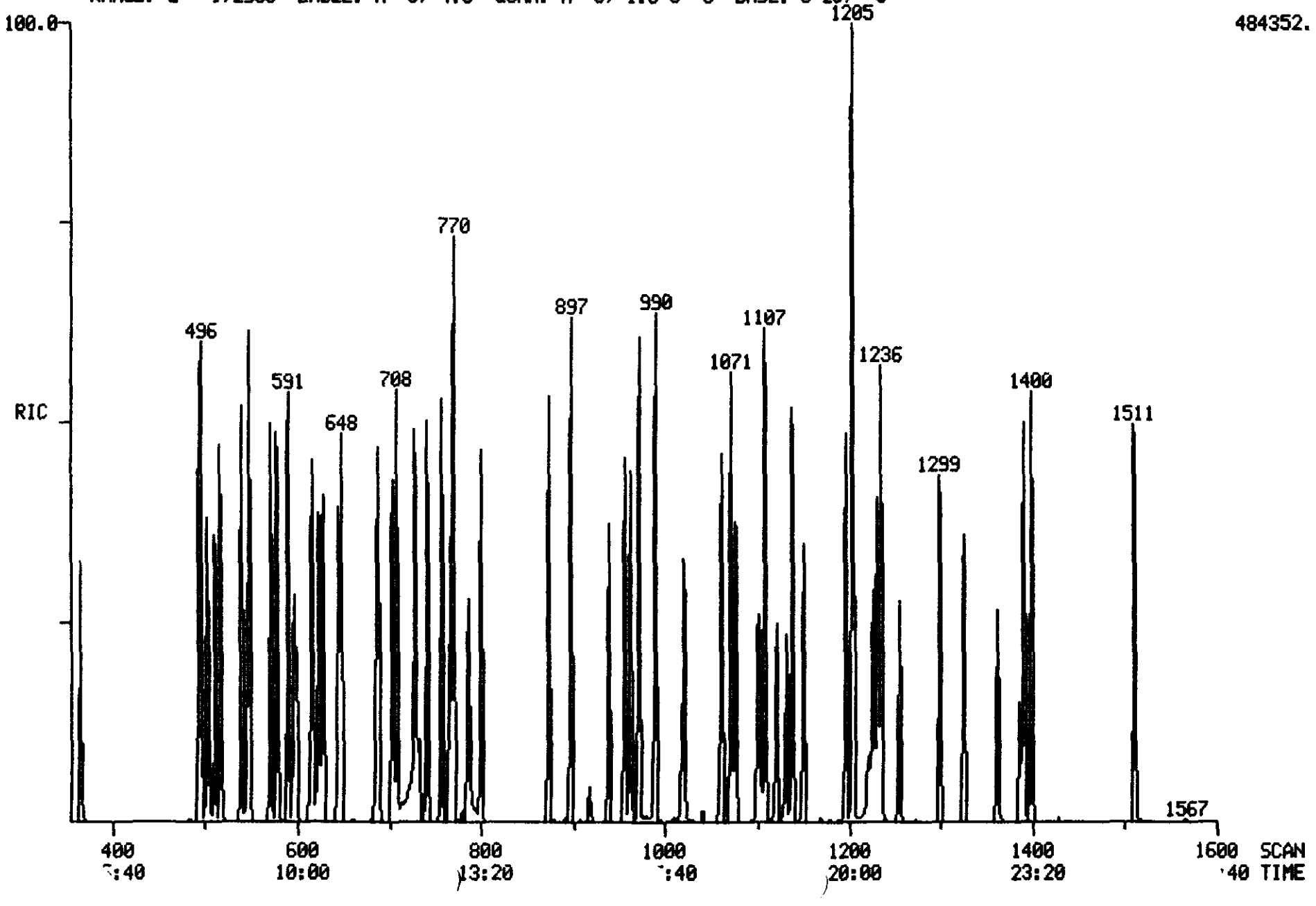
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
67	228	1897	31:37	5	0.998	A BV	106308.	80.000 NG	1.35
68	228	1905	31:45	5	1.002	A VB	84859.	80.000 NG	1.35
69	252	1896	31:36	5	0.997	A BB	16270.	80.000 NG	1.35
70	149	1907	31:47	5	1.003	A BB	130903.	80.000 NG	1.35
71	149	2026	33:46	6	0.908	A BB	208180.	80.000 NG	1.35
72	252	2127	35:27	6	0.953	A BV	93412.	80.000 NG	1.35
73	252	2133	35:33	6	0.956	A VB	89164.	80.000 NG	1.35
74	252	2216	36:56	6	0.993	A BB	87234.	80.000 NG	1.35
75	276	2618	43:38	6	1.173	A BB	75959.	80.000 NG	1.35
76	278	2627	43:47	6	1.177	A BB	65035.	80.000 NG	1.35
77	276	2737	45:37	6	1.226	A BB	66710.	80.000 NG	1.35

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	19:08	1.00	1.045	1.00	80.00	80.00	0.425	0.425	1.00
52	20:03	1.00	1.095	1.00	80.00	80.00	1.206	1.205	1.00
53	20:03	1.00	1.095	1.00	80.00	80.00	0.604	0.604	1.00
54	19:55	1.00	1.087	1.00	80.00	80.00	1.617	1.617	1.00
55	20:19	1.00	1.109	1.00	80.00	80.00	0.173	0.173	1.00
56	20:25	1.00	0.884	1.00	80.00	80.00	0.140	0.140	1.00
57	20:29	1.00	0.887	1.00	80.00	80.00	0.508	0.508	1.00
58	21:37	1.00	0.936	1.00	80.00	80.00	0.213	0.213	1.00
59	22:04	1.00	0.956	1.00	80.00	80.00	0.224	0.224	1.00
60	22:39	1.00	0.981	1.00	80.00	80.00	0.126	0.126	1.00
61	23:09	1.00	1.003	1.00	80.00	80.00	1.056	1.056	1.00
62	23:18	1.00	1.009	1.00	80.00	80.00	1.097	1.097	1.00
63	25:10	1.00	1.090	1.00	80.00	80.00	1.428	1.428	1.00
64	27:03	1.00	1.172	1.00	80.00	80.00	0.919	0.919	1.00
65	27:48	1.00	0.877	1.00	80.00	80.00	1.467	1.467	1.00
66	30:02	1.00	0.948	1.00	80.00	80.00	0.854	0.854	1.00
67	31:37	1.00	0.998	1.00	80.00	80.00	0.991	0.991	1.00
68	31:45	1.00	1.002	1.00	80.00	80.00	0.791	0.791	1.00
69	31:36	1.00	0.997	1.00	80.00	80.00	0.152	0.152	1.00
70	31:47	1.00	1.003	1.00	80.00	80.00	1.221	1.221	1.00
71	33:46	1.00	0.908	1.00	80.00	80.00	2.456	2.456	1.00
72	35:27	1.00	0.953	1.00	80.00	80.00	1.102	1.102	1.00
73	35:33	1.00	0.956	1.00	80.00	80.00	1.052	1.052	1.00
74	36:56	1.00	0.993	1.00	80.00	80.00	1.029	1.029	1.00
75	43:38	1.00	1.173	1.00	80.00	80.00	0.896	0.896	1.00
76	43:47	1.00	1.177	1.00	80.00	80.00	0.767	0.767	1.00
77	45:37	1.00	1.226	1.00	80.00	80.00	0.787	0.787	1.00

Z4717

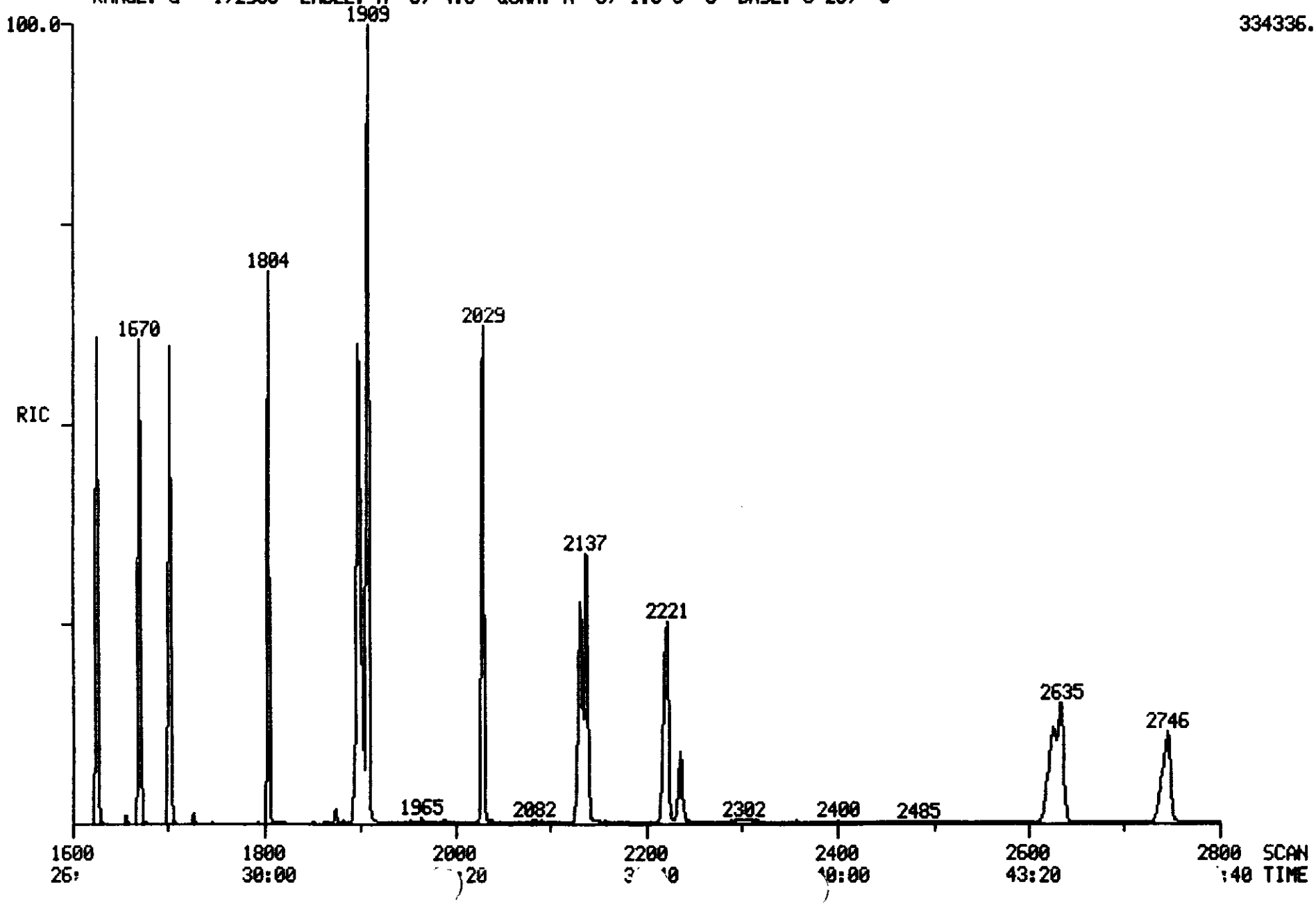
200144

RIC DATA: Z4716 #1 SCANS 355 TO 1600
05/15/90 14:56:00 CALI: Z4716 #2
SAMPLE: CLP,,,SSTD120,,,22684,B,IC120,1UL
CONDS.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



RIC DATA: Z4716 #1 SCANS 1600 TO 2800
05/15/90 14:56:00 CALI: Z4716 #2
SAMPLE: CLP,,,SSTD120,,,22684,B,IC120,1UL
CONDS.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

200145



Quantitation Report File: Z4716

Data: Z4716.TI
05/15/90 14:56:00
ample: CLP,,,SSTD120,,,22684,B,IC120,1UL
Conds.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
Formula: Instrument: Z Weight: 0.010
Submitted by: VERSAR Analyst: EDG Acct. No.:

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	CI40 NAPHTHALENE-D8**INT. STD.#2**
3	CI50 ACENAPHTHENE-D10**INT. STD.#3**
4	CI60 PHENANTHRENE-D10**INT. STD.#4**
5	CI70 CHRYSENE-D12**INT. STD.#5**
6	CI75 PERYLENE-D12**INT. STD.#6**
7	CS50 2-FLUOROPHENOL**ACID SURR.**
8	CS45 PHENOL-D5**ACID SURR.**
9	CS20 NITROBENZENE-D5**BN SURR.**
10	CS25 2-FLUOROBIPHENYL**BN SURR.**
11	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
12	CS30 P-TERPHENYL-D14**BN SURR.**
13	C330 2-CHLOROPHENOL
14	C315 PHENOL
15	C325 BIS (2-CHLOROETHYL) ETHER
16	C335 1,3-DICHLOROBENZENE
17	C340 1,4-DICHLOROBENZENE
18	C350 1,2-DICHLOROBENZENE
19	C345 BENZYL ALCOHOL
20	C360 BIS (2-CHLOROISOPROPYL) ETHER
21	C355 2-METHYLPHENOL
22	C375 HEXACHLOROETHANE
23	C365 4-METHYLPHENOL
24	C370 N-NITROSO-DI-N-PROPYLAMINE
25	C410 NITROBENZENE
26	C415 ISOPHORONE
27	C420 2-NITROPHENOL
28	C425 2,4-DIMETHYLPHENOL
29	C435 BIS (2-CHLOROETHOXY) METHANE
30	C440 2,4-DICHLOROPHENOL
31	C445 1,2,4-TRICHLOROBENZENE
32	C450 NAPHTHALENE
33	C430 BENZOIC ACID
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROBUTADIENE
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	C510 HEXACHLOROCYCLOPENTADIENE
39	C515 2,4,6-TRICHLOROPHENOL
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLORONAPHTHALENE
42	C530 2-NITROANILINE
43	C540 ACENAPHTHYLENE
44	C535 DIMETHYL PHTHALATE
45	C544 2,6-DINITROTOLUENE
46	C550 ACENAPHTHENE
47	C545 3-NITROANILINE

No	Name
48	C555 2,4-DINITROPHENOL
49	C565 DIBENZOFURAN
50	C560 4-NITROPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	545	9:05	1	1.000	A BB	28979.	40.000	NG/UL	0.46
2	136	766	12:46	2	1.000	A BB	91547.	40.000	NG/UL	0.46
3	164	1100	18:20	3	1.000	A BB	50286.	40.000	NG/UL	0.46
4	188	1386	23:06	4	1.000	A BB	77475.	40.000	NG/UL	0.46
5	240	1903	31:43	5	1.000	A BB	54555.	40.000	NG/UL	0.46
6	264	2236	37:16	6	1.000	A BB	45423.	40.000	NG/UL	0.46
7	112	365	6:05	1	0.670	A BB	74217.	120.000	NG*A1	1.37
8	99	494	8:14	1	0.906	A BB	161518.	120.000	NG*A2	1.37
9	82	645	10:45	2	0.842	A BB	165685.	120.000	NG*B1	1.37
10	172	972	16:12	3	0.884	A BB	206754.	120.000	NG*B2	1.37
11	330	1255	20:55	3	1.141	A BB	26475.	120.000	NG*A3	1.37
12	244	1702	28:22	5	0.894	A BB	137919.	120.000	NG*B3	1.37
13	128	517	8:37	1	0.949	A BB	128568.	120.000	NG.	1.37
14	94	496	8:16	1	0.910	A BV	161389.	120.000	NG.	1.37
15	93	511	8:31	1	0.938	A VV	138504.	120.000	NG	1.37
16	146	539	8:59	1	0.989	A BB	132249.	120.000	NG	1.37
17	146	548	9:08	1	1.006	A BB	134957.	120.000	NG.	1.37
18	146	578	9:38	1	1.061	A BB	127794.	120.000	NG	1.37
19	108	572	9:32	1	1.050	A BV	74599.	120.000	NG	1.37
20	45	597	9:57	1	1.095	A BB	200415.	120.000	NG	1.37
21	108	591	9:51	1	1.084	A BB	107419.	120.000	NG	1.37
22	117	628	10:28	1	1.152	A BB	67279.	120.000	NG	1.37
23	108	616	10:16	1	1.130	A BB	109753.	120.000	NG	1.37
24	70	623	10:23	1	1.143	A BB	116435.	120.000	NG.	1.37
25	77	648	10:48	2	0.846	A BB	173428.	120.000	NG	1.37
26	82	687	11:27	2	0.897	A BB	292800.	120.000	NG	1.37
27	139	703	11:43	2	0.918	A BB	71294.	120.000	NG	1.37
28	107	708	11:48	2	0.924	A BB	134035.	120.000	NG	1.37
29	93	728	12:08	2	0.950	A BB	180529.	120.000	NG	1.37
30	162	742	12:22	2	0.969	A BB	102916.	120.000	NG	1.37
31	180	758	12:38	2	0.990	A BB	102063.	120.000	NG.	1.37
32	128	770	12:50	2	1.005	A BB	344891.	120.000	NG	1.37
33	122	733	12:13	2	0.957	A BB	71883.	120.000	NG	1.37
34	127	786	13:06	2	1.026	A BB	126630.	120.000	NG	1.37
35	225	800	13:20	2	1.044	A BB	57034.	120.000	NG	1.37
36	107	873	14:33	2	1.140	A BB	124658.	120.000	NG.	1.37
37	142	897	14:57	2	1.171	A BB	193026.	120.000	NG	1.37
38	237	938	15:38	3	0.853	A BB	59589.	120.000	NG	1.37
39	196	956	15:56	3	0.869	A BV	62361.	120.000	NG	1.37
40	196	962	16:02	3	0.875	A VB	64008.	120.000	NG	1.37
41	162	990	16:30	3	0.900	A BB	200568.	120.000	NG	1.37
42	65	1020	17:00	3	0.927	A BB	84225.	120.000	NG	1.37
43	152	1071	17:51	3	0.974	A BB	317427.	120.000	NG	1.37
44	163	1061	17:41	3	0.965	A BB	217332.	120.000	NG	1.37
45	165	1076	17:56	3	0.978	A BB	54027.	120.000	NG	1.37
46	153	1107	18:27	3	1.006	A BB	197581.	120.000	NG.	1.37
47	138	1101	18:21	3	1.001	A BB	22613.	120.000	NG	1.37
48	184	1120	18:40	3	1.018	A BB	30333.	120.000	NG	1.37
49	168	1137	18:57	3	1.034	A BB	251914.	120.000	NG	1.37
50	109	1131	18:51	3	1.028	A BV	39543.	120.000	NG.	1.37

Z4716

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:46	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	23:06	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	31:43	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	37:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	6:05	1.00	0.670	1.00	120.00	120.00	0.854	0.854	1.00
8	8:14	1.00	0.906	1.00	120.00	120.00	1.858	1.858	1.00
9	10:45	1.00	0.842	1.00	120.00	120.00	0.603	0.603	1.00
10	16:12	1.00	0.884	1.00	120.00	120.00	1.371	1.371	1.00
11	20:55	1.00	1.141	1.00	120.00	120.00	0.175	0.175	1.00
12	28:22	1.00	0.894	1.00	120.00	120.00	0.843	0.843	1.00
13	8:37	1.00	0.949	1.00	120.00	120.00	1.479	1.479	1.00
14	8:16	1.00	0.910	1.00	120.00	120.00	1.856	1.856	1.00
15	8:31	1.00	0.938	1.00	120.00	120.00	1.593	1.593	1.00
16	8:59	1.00	0.989	1.00	120.00	120.00	1.521	1.521	1.00
17	9:08	1.00	1.006	1.00	120.00	120.00	1.552	1.552	1.00
18	9:38	1.00	1.061	1.00	120.00	120.00	1.470	1.470	1.00
19	9:32	1.00	1.050	1.00	120.00	120.00	0.858	0.858	1.00
20	9:57	1.00	1.095	1.00	120.00	120.00	2.305	2.305	1.00
21	9:51	1.00	1.084	1.00	120.00	120.00	1.236	1.236	1.00
22	10:28	1.00	1.152	1.00	120.00	120.00	0.774	0.774	1.00
23	10:16	1.00	1.130	1.00	120.00	120.00	1.262	1.262	1.00
24	10:23	1.00	1.143	1.00	120.00	120.00	1.339	1.339	1.00
25	10:48	1.00	0.846	1.00	120.00	120.00	0.631	0.631	1.00
26	11:27	1.00	0.897	1.00	120.00	120.00	1.066	1.066	1.00
27	11:43	1.00	0.918	1.00	120.00	120.00	0.260	0.260	1.00
28	11:48	1.00	0.924	1.00	120.00	120.00	0.488	0.488	1.00
29	12:08	1.00	0.950	1.00	120.00	120.00	0.657	0.657	1.00
30	12:22	1.00	0.969	1.00	120.00	120.00	0.375	0.375	1.00
31	12:38	1.00	0.990	1.00	120.00	120.00	0.372	0.372	1.00
32	12:50	1.00	1.005	1.00	120.00	120.00	1.256	1.256	1.00
33	12:13	1.00	0.957	1.00	120.00	120.00	0.262	0.262	1.00
34	13:06	1.00	1.026	1.00	120.00	120.00	0.461	0.461	1.00
35	13:20	1.00	1.044	1.00	120.00	120.00	0.208	0.208	1.00
36	14:33	1.00	1.140	1.00	120.00	120.00	0.454	0.454	1.00
37	14:57	1.00	1.171	1.00	120.00	120.00	0.703	0.703	1.00
38	15:38	1.00	0.853	1.00	120.00	120.00	0.395	0.395	1.00
39	15:56	1.00	0.869	1.00	120.00	120.00	0.413	0.413	1.00
40	16:02	1.00	0.875	1.00	120.00	120.00	0.424	0.424	1.00
41	16:30	1.00	0.900	1.00	120.00	120.00	1.330	1.330	1.00
42	17:00	1.00	0.927	1.00	120.00	120.00	0.558	0.558	1.00
43	17:51	1.00	0.974	1.00	120.00	120.00	2.104	2.104	1.00
44	17:41	1.00	0.965	1.00	120.00	120.00	1.441	1.441	1.00
45	17:56	1.00	0.978	1.00	120.00	120.00	0.358	0.358	1.00
46	18:27	1.00	1.006	1.00	120.00	120.00	1.310	1.310	1.00
47	18:21	1.00	1.001	1.00	120.00	120.00	0.150	0.150	1.00
48	18:40	1.00	1.018	1.00	120.00	120.00	0.201	0.201	1.00
49	18:57	1.00	1.034	1.00	120.00	120.00	1.670	1.670	1.00
50	18:51	1.00	1.028	1.00	120.00	120.00	0.262	0.262	1.00

Z4716

200148

Quantitation Report File: Z4716

Data: Z4716.TI
~5/15/90 14:56:00
ample: CLP,,,SSTD120,,,22684,B,IC120,1UL
Conds.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
Formula: Instrument: Z Weight: 0.010
Submitted by: VERSAR Analyst: EDG Acct. No.:

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

No	Name
51	C570 2,4-DINITROTOLUENE
52	C590 FLUORENE
53	C585 4-CHLOROPHENYL-PHENYLETHER
54	C580 DIETHYLPHTHALATE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITROSODIPHENYLAMINE
58	C625 4-BROMOPHENYL-PHENYLETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C650 DI-N-BUTYLPHTHALATE
64	C655 FLUORANTHENE
65	C715 PYRENE
66	C720 BUTYLBENZYLPHTHALATE
67	C730 BENZO(A)ANTHRACENE
68	C740 CHRYSENE
69	C725 3,3'-DICHLOROBENZIDINE
70	C741 BIS(2-ETHYLHEXYL)PHTHALATE
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1150	19:10	3	1.045	A BB	66014.	120.000 NG.	1.37
52	166	1204	20:04	3	1.095	A BB	182692.	120.000 NG	1.37
53	204	1205	20:05	3	1.095	A BB	86523.	120.000 NG	1.37
54	149	1197	19:57	3	1.088	A BV	235497.	120.000 NG	1.37
55	138	1222	20:22	3	1.111	A VB	30776.	120.000 NG	1.37
56	198	1227	20:27	4	0.885	A BB	36202.	120.000 NG	1.37
57	169	1231	20:31	4	0.888	A BB	118549.	120.000 NG	1.37
58	248	1299	21:39	4	0.937	A BB	48635.	120.000 NG	1.37
59	284	1325	22:05	4	0.956	A BB	51688.	120.000 NG	1.37
60	266	1361	22:41	4	0.982	A BB	31574.	120.000 NG.	1.37
61	178	1391	23:11	4	1.004	A BV	253714.	120.000 NG	1.37
62	178	1400	23:20	4	1.010	A VB	259203.	120.000 NG	1.37
63	149	1511	25:11	4	1.090	A BB	336816.	120.000 NG	1.37
64	202	1626	27:06	4	1.173	A BB	233013.	120.000 NG	1.37
65	202	1670	27:50	5	0.878	A BB	233383.	120.000 NG.	1.37
66	149	1804	30:04	5	0.948	A BV	136896.	120.000 NG	1.37

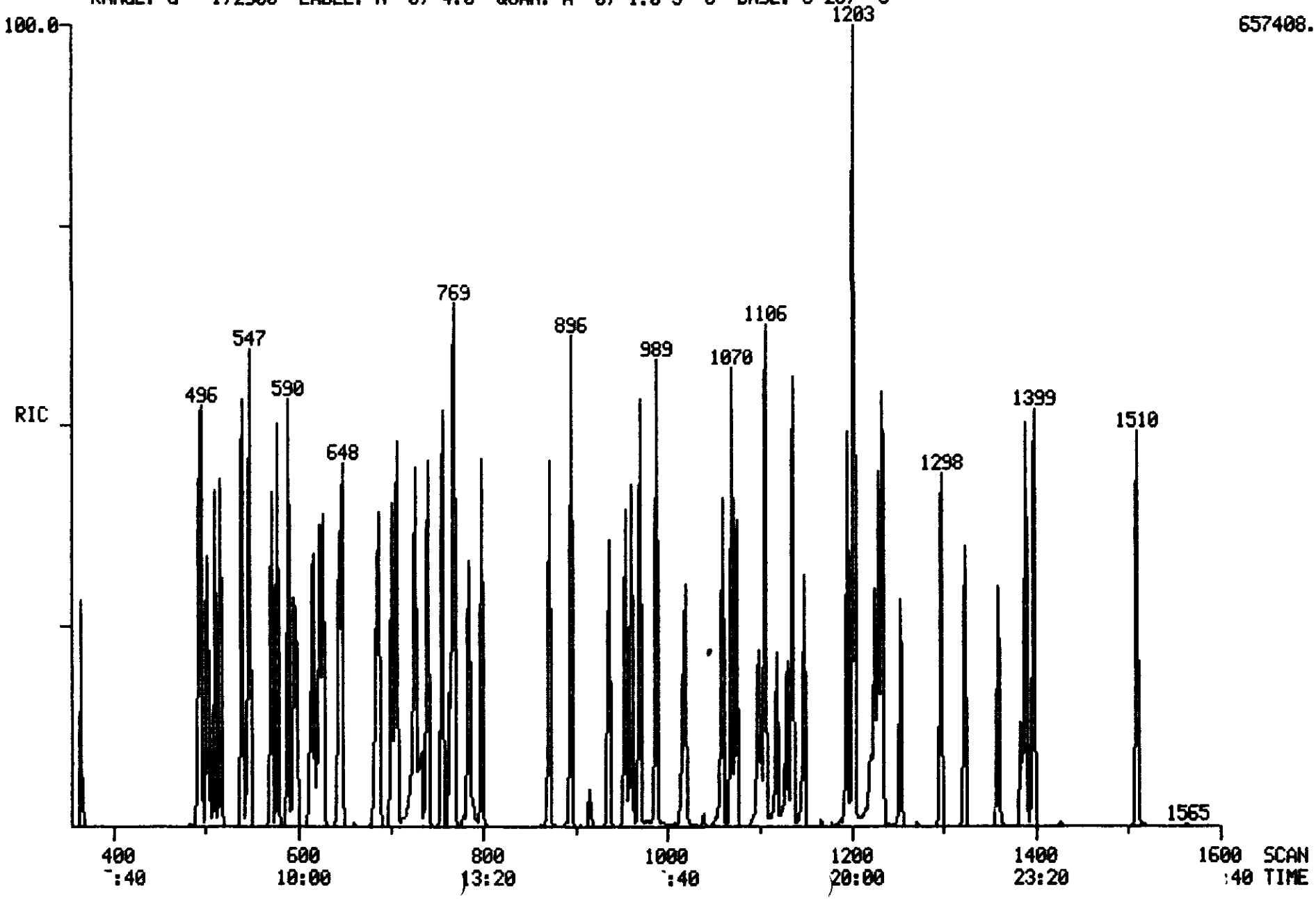
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	1900	31:40	5	0.998	A BV	169690.	120.000	NG	1.37
68	228	1908	31:48	5	1.003	A VB	130736.	120.000	NG	1.37
69	252	1898	31:38	5	0.997	A BB	28082.	120.000	NG	1.37
70	149	1909	31:49	5	1.003	A BV	193808.	120.000	NG	1.37
71	149	2029	33:49	6	0.907	A BB	322335.	120.000	NG	1.37
72	252	2131	35:31	6	0.953	A BV	157612.	120.000	NG	1.37
73	252	2137	35:37	6	0.956	A VB	140894.	120.000	NG	1.37
74	252	2221	37:01	6	0.993	A BB	146467.	120.000	NG	1.37
75	276	2626	43:46	6	1.174	A BB	132909.	120.000	NG	1.37
76	278	2635	43:55	6	1.178	A BB	110420.	120.000	NG	1.37
77	276	2746	45:46	6	1.228	A BB	119063.	120.000	NG	1.37

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	19:10	1.00	1.045	1.00	120.00	120.00	0.438	0.438	1.00
52	20:04	1.00	1.095	1.00	120.00	120.00	1.211	1.211	1.00
53	20:05	1.00	1.095	1.00	120.00	120.00	0.574	0.574	1.00
54	19:57	1.00	1.088	1.00	120.00	120.00	1.561	1.561	1.00
55	20:22	1.00	1.111	1.00	120.00	120.00	0.204	0.204	1.00
56	20:27	1.00	0.885	1.00	120.00	120.00	0.156	0.156	1.00
57	20:31	1.00	0.888	1.00	120.00	120.00	0.510	0.510	1.00
58	21:39	1.00	0.937	1.00	120.00	120.00	0.209	0.209	1.00
59	22:05	1.00	0.956	1.00	120.00	120.00	0.222	0.222	1.00
60	22:41	1.00	0.982	1.00	120.00	120.00	0.136	0.136	1.00
61	23:11	1.00	1.004	1.00	120.00	120.00	1.092	1.092	1.00
62	23:20	1.00	1.010	1.00	120.00	120.00	1.115	1.115	1.00
63	25:11	1.00	1.090	1.00	120.00	120.00	1.449	1.449	1.00
64	27:06	1.00	1.173	1.00	120.00	120.00	1.003	1.003	1.00
65	27:50	1.00	0.878	1.00	120.00	120.00	1.426	1.426	1.00
66	30:04	1.00	0.948	1.00	120.00	120.00	0.836	0.836	1.00
67	31:40	1.00	0.998	1.00	120.00	120.00	1.037	1.037	1.00
68	31:48	1.00	1.003	1.00	120.00	120.00	0.799	0.799	1.00
69	31:38	1.00	0.997	1.00	120.00	120.00	0.172	0.172	1.00
70	31:49	1.00	1.003	1.00	120.00	120.00	1.184	1.184	1.00
71	33:49	1.00	0.907	1.00	120.00	120.00	2.365	2.365	1.00
72	35:31	1.00	0.953	1.00	120.00	120.00	1.157	1.157	1.00
73	35:37	1.00	0.956	1.00	120.00	120.00	1.034	1.034	1.00
74	37:01	1.00	0.993	1.00	120.00	120.00	1.075	1.075	1.00
75	43:46	1.00	1.174	1.00	120.00	120.00	0.975	0.975	1.00
76	43:55	1.00	1.178	1.00	120.00	120.00	0.810	0.810	1.00
77	45:46	1.00	1.228	1.00	120.00	120.00	0.874	0.874	1.00

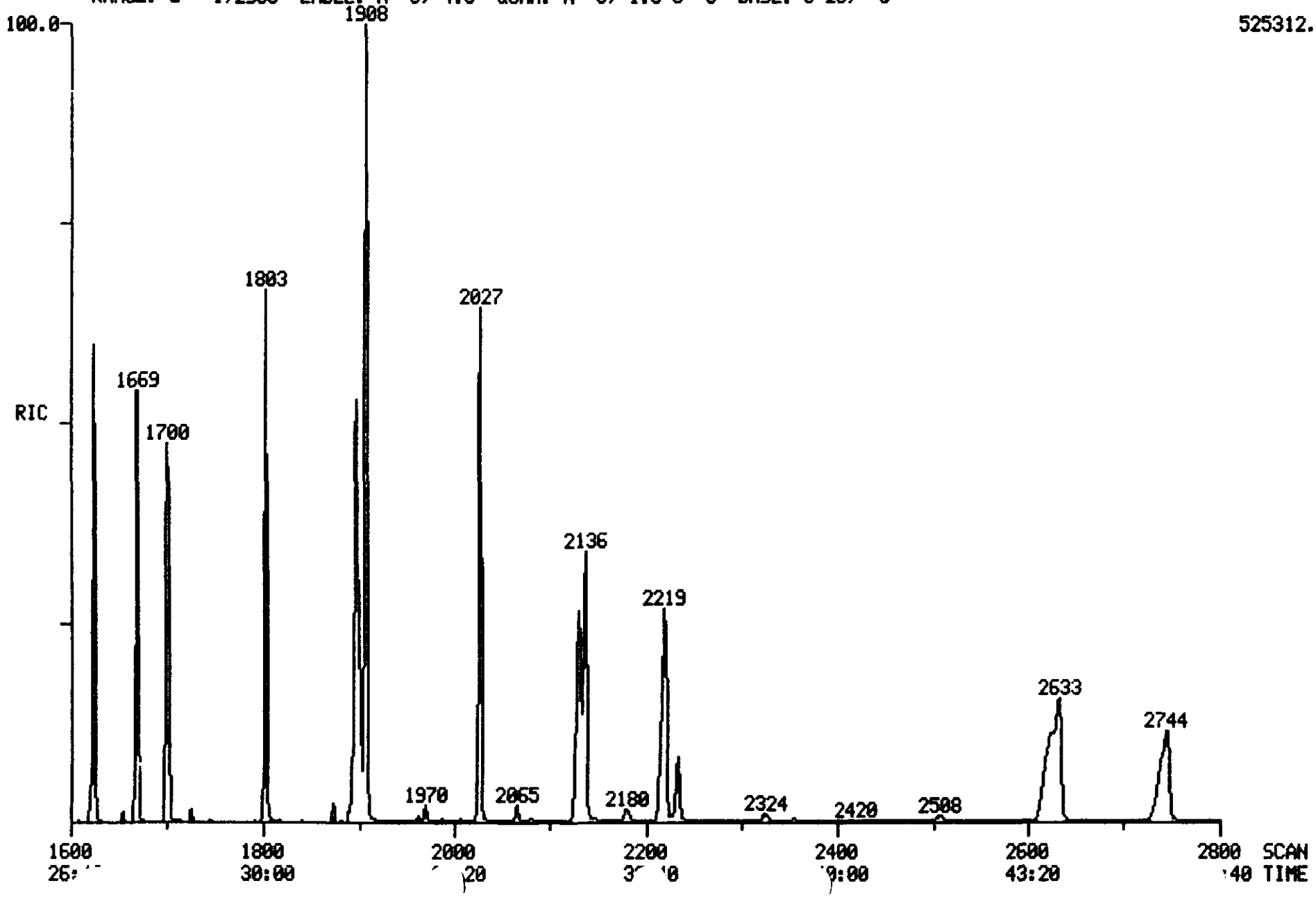
Z4716

200151

RIC DATA: Z4715 #1 SCANS 355 TO 1600
05/15/90 13:56:00 CALI: Z4715 #2
SAMPLE: CLP,,,SSTD160,,,22659,B,IC-160,,,1UL
CONDS.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



RIC DATA: Z4715 #1 SCANS 1600 TO 2800
05/15/90 13:56:00 CALI: Z4715 #2
SAMPLE: CLP,,,SSTD160,,,22659,B,IC-160,,,1UL
CONDS.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
RANGE: G 1,2900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



000152

Quantitation Report File: Z4715

Data: Z4715.TI
^5/15/90 13:56:00
ample: CLP,,,SSTD160,,,22659,B,IC-160,,,1UL
Conds.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
Formula: Instrument: Z Weight: 0.010
Submitted by: VERSAR Analyst: EDG Acct. No.:

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	CI40 NAPHTHALENE-D8**INT. STD.#2**
3	CI50 ACENAPHTHENE-D10**INT. STD.#3**
4	CI60 PHENANTHRENE-D10**INT. STD.#4**
5	CI70 CHRYSENE-D12**INT. STD.#5**
6	CI75 PERYLENE-D12**INT. STD.#6**
7	CS50 2-FLUOROPHENOL**ACID SURR.**
8	CS45 PHENOL-D5**ACID SURR.**
9	CS20 NITROBENZENE-D5**BN SURR.**
10	CS25 2-FLUOROBIPHENYL**BN SURR.**
11	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
12	CS30 P-TERPHENYL-D14**BN SURR.**
13	C330 2-CHLOROPHENOL
14	C315 PHENOL
15	C325 BIS (2-CHLOROETHYL) ETHER
16	C335 1,3-DICHLOROBENZENE
7	C340 1,4-DICHLOROBENZENE
18	C350 1,2-DICHLOROBENZENE
19	C345 BENZYL ALCOHOL
20	C360 BIS (2-CHLOROISOPROPYL) ETHER
21	C355 2-METHYLPHENOL
22	C375 HEXACHLOROETHANE
23	C365 4-METHYLPHENOL
24	C370 N-NITROSO-DI-N-PROPYLAMINE
25	C410 NITROBENZENE
26	C415 ISOPHORONE
27	C420 2-NITROPHENOL
28	C425 2,4-DIMETHYLPHENOL
29	C435 BIS (2-CHLOROETHOXY) METHANE
30	C440 2,4-DICHLOROPHENOL
31	C445 1,2,4-TRICHLOROBENZENE
32	C450 NAPHTHALENE
33	C430 BENZOIC ACID
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROBUTADIENE
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	C510 HEXACHLOROCYCLOPENTADIENE
39	C515 2,4,6-TRICHLOROPHENOL
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLORONAPHTHALENE
42	C530 2-NITROANILINE
43	C540 ACENAPHTHYLENE
44	C535 DIMETHYL PHTHALATE
45	C544 2,6-DINITROTOLUENE
46	C550 ACENAPHTHENE
47	C545 3-NITROANILINE

No	Name
48	C555 2,4-DINITROPHENOL
49	C565 DIBENZOFURAN
50	C560 4-NITROPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	544	9:04	1	1.000	A BB	31617.	40.000	NG/UL	0.34
2	136	764	12:44	2	1.000	A BB	104314.	40.000	NG/UL	0.34
3	164	1098	18:18	3	1.000	A BB	59081.	40.000	NG/UL	0.34
4	188	1384	23:04	4	1.000	A BB	91726.	40.000	NG/UL	0.34
5	240	1901	31:41	5	1.000	A BB	70204.	40.000	NG/UL	0.34
6	264	2233	37:13	6	1.000	A BV	63631.	40.000	NG/UL	0.34
7	112	365	6:05	1	0.671	A BB	73840.	160.000	NG*A1	1.38
8	99	494	8:14	1	0.908	A BB	210512.	160.000	NG*A2	1.38
9	82	644	10:44	2	0.843	A BB	231351.	160.000	NG*B1	1.38
10	172	970	16:10	3	0.883	A BB	286861.	160.000	NG*B2	1.38
11	330	1254	20:54	3	1.142	A BB	38907.	160.000	NG*A3	1.38
12	244	1700	28:20	5	0.894	A BB	205619.	160.000	NG*B3	1.38
13	128	517	8:37	1	0.950	A BB	173517.	160.000	NG.	1.38
14	94	496	8:16	1	0.912	A BV	216154.	160.000	NG.	1.38
15	93	511	8:31	1	0.939	A VV	194729.	160.000	NG	1.38
16	146	539	8:59	1	0.991	A BV	179712.	160.000	NG	1.38
17	146	547	9:07	1	1.006	A VB	181684.	160.000	NG.	1.38
18	146	578	9:38	1	1.062	A BB	173269.	160.000	NG	1.38
19	108	572	9:32	1	1.051	A BV	106663.	160.000	NG	1.38
20	45	596	9:56	1	1.096	A BB	290754.	160.000	NG	1.38
21	108	590	9:50	1	1.085	A BB	150214.	160.000	NG	1.38
22	117	627	10:27	1	1.153	A BB	93755.	160.000	NG	1.38
23	108	616	10:16	1	1.132	A BB	156204.	160.000	NG	1.38
24	70	623	10:23	1	1.145	A BB	170515.	160.000	NG.	1.38
25	77	648	10:48	2	0.848	A BB	241590.	160.000	NG	1.38
26	82	687	11:27	2	0.899	A BB	420371.	160.000	NG	1.38
27	139	702	11:42	2	0.919	A BB	100122.	160.000	NG	1.38
28	107	707	11:47	2	0.925	A BB	191039.	160.000	NG	1.38
29	93	727	12:07	2	0.952	A BB	269862.	160.000	NG	1.38
30	162	741	12:21	2	0.970	A BB	147250.	160.000	NG	1.38
31	180	757	12:37	2	0.991	A BB	143725.	160.000	NG.	1.38
32	128	769	12:49	2	1.007	A BB	440651.	160.000	NG	1.38
33	122	735	12:15	2	0.962	A BB	91146.	160.000	NG	1.38
34	127	784	13:04	2	1.026	A BB	204238.	160.000	NG	1.38
35	225	798	13:18	2	1.045	A BB	77683.	160.000	NG	1.38
36	107	872	14:32	2	1.141	A BB	180280.	160.000	NG.	1.38
37	142	896	14:56	2	1.173	A BB	277820.	160.000	NG	1.38
38	237	936	15:36	3	0.852	A BB	83572.	160.000	NG	1.38
39	196	954	15:54	3	0.869	A BV	92706.	160.000	NG	1.38
40	196	961	16:01	3	0.875	A VB	90726.	160.000	NG	1.38
41	162	988	16:28	3	0.900	A BB	281032.	160.000	NG	1.38
42	65	1019	16:59	3	0.928	A BB	124036.	160.000	NG	1.38
43	152	1070	17:50	3	0.974	A BB	417945.	160.000	NG	1.38
44	163	1060	17:40	3	0.965	A BB	323705.	160.000	NG	1.38
45	165	1075	17:55	3	0.979	A BB	79789.	160.000	NG	1.38
46	153	1106	18:26	3	1.007	A BB	273615.	160.000	NG.	1.38
47	138	1100	18:20	3	1.002	A BB	37666.	160.000	NG	1.38
48	184	1118	18:38	3	1.018	A BB	45855.	160.000	NG	1.38
49	168	1136	18:56	3	1.035	A BB	364305.	160.000	NG	1.38
50	109	1130	18:50	3	1.029	A BV	55246.	160.000	NG.	1.38

Z4715

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:04	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:44	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:18	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	23:04	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	31:41	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	37:13	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	6:05	1.00	0.671	1.00	160.00	160.00	0.584	0.584	1.00
8	8:14	1.00	0.908	1.00	160.00	160.00	1.665	1.665	1.00
9	10:44	1.00	0.843	1.00	160.00	160.00	0.554	0.554	1.00
10	16:10	1.00	0.883	1.00	160.00	160.00	1.214	1.214	1.00
11	20:54	1.00	1.142	1.00	160.00	160.00	0.165	0.165	1.00
12	28:20	1.00	0.894	1.00	160.00	160.00	0.732	0.732	1.00
13	8:37	1.00	0.950	1.00	160.00	160.00	1.372	1.372	1.00
14	8:16	1.00	0.912	1.00	160.00	160.00	1.709	1.709	1.00
15	8:31	1.00	0.939	1.00	160.00	160.00	1.540	1.540	1.00
16	8:59	1.00	0.991	1.00	160.00	160.00	1.421	1.421	1.00
17	9:07	1.00	1.006	1.00	160.00	160.00	1.437	1.437	1.00
18	9:38	1.00	1.062	1.00	160.00	160.00	1.370	1.370	1.00
19	9:32	1.00	1.051	1.00	160.00	160.00	0.843	0.843	1.00
20	9:56	1.00	1.096	1.00	160.00	160.00	2.299	2.299	1.00
21	9:50	1.00	1.085	1.00	160.00	160.00	1.188	1.188	1.00
22	10:27	1.00	1.153	1.00	160.00	160.00	0.741	0.741	1.00
23	10:16	1.00	1.132	1.00	160.00	160.00	1.235	1.235	1.00
24	10:23	1.00	1.145	1.00	160.00	160.00	1.348	1.348	1.00
25	10:48	1.00	0.848	1.00	160.00	160.00	0.579	0.579	1.00
26	11:27	1.00	0.899	1.00	160.00	160.00	1.007	1.007	1.00
27	11:42	1.00	0.919	1.00	160.00	160.00	0.240	0.240	1.00
28	11:47	1.00	0.925	1.00	160.00	160.00	0.458	0.458	1.00
29	12:07	1.00	0.952	1.00	160.00	160.00	0.647	0.647	1.00
30	12:21	1.00	0.970	1.00	160.00	160.00	0.353	0.353	1.00
31	12:37	1.00	0.991	1.00	160.00	160.00	0.344	0.344	1.00
32	12:49	1.00	1.007	1.00	160.00	160.00	1.056	1.056	1.00
33	12:15	1.00	0.962	1.00	160.00	160.00	0.218	0.218	1.00
34	13:04	1.00	1.026	1.00	160.00	160.00	0.489	0.489	1.00
35	13:18	1.00	1.045	1.00	160.00	160.00	0.186	0.186	1.00
36	14:32	1.00	1.141	1.00	160.00	160.00	0.432	0.432	1.00
37	14:56	1.00	1.173	1.00	160.00	160.00	0.666	0.666	1.00
38	15:36	1.00	0.852	1.00	160.00	160.00	0.354	0.354	1.00
39	15:54	1.00	0.869	1.00	160.00	160.00	0.392	0.392	1.00
40	16:01	1.00	0.875	1.00	160.00	160.00	0.384	0.384	1.00
41	16:28	1.00	0.900	1.00	160.00	160.00	1.189	1.189	1.00
42	16:59	1.00	0.928	1.00	160.00	160.00	0.525	0.525	1.00
43	17:50	1.00	0.974	1.00	160.00	160.00	1.769	1.769	1.00
44	17:40	1.00	0.965	1.00	160.00	160.00	1.370	1.370	1.00
45	17:55	1.00	0.979	1.00	160.00	160.00	0.338	0.338	1.00
46	18:26	1.00	1.007	1.00	160.00	160.00	1.158	1.158	1.00
47	18:20	1.00	1.002	1.00	160.00	160.00	0.159	0.159	1.00
48	18:38	1.00	1.018	1.00	160.00	160.00	0.194	0.194	1.00
49	18:56	1.00	1.035	1.00	160.00	160.00	1.542	1.542	1.00
50	18:50	1.00	1.029	1.00	160.00	160.00	0.234	0.234	1.00

Z4715

Quantitation Report File: Z4715

Data: Z4715.TI
[illegible]/15/90 13:56:00
.mple: CLP,,,SSTD160,,,22659,B,IC-160,,,1UL
Conds.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
Formula: Instrument: Z Weight: 0.010
Submitted by: VERSAR Analyst: EDG Acct. No.:

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

No	Name
51	C570 2,4-DINITROTOLUENE
52	C590 FLUORENE
53	C585 4-CHLOROPHENYL-PHENYLETHER
54	C580 DIETHYLPHTHALATE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITROSODIPHENYLAMINE
3	C625 4-BROMOPHENYL-PHENYLETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C650 DI-N-BUTYLPHTHALATE
64	C655 FLUORANTHENE
65	C715 PYRENE
66	C720 BUTYLBENZYLPHTHALATE
7	C730 BENZO(A)ANTHRACENE
68	C740 CHRYSENE
69	C725 3,3'-DICHLOROBENZIDINE
70	C741 BIS(2-ETHYLHEXYL)PHTHALATE
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
5	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1149	19:09	3	1.046	A BB	97940.	160.000 NG.	1.38
52	166	1203	20:03	3	1.096	A BB	253853.	160.000 NG	1.38
53	204	1203	20:03	3	1.096	A BB	124702.	160.000 NG	1.38
54	149	1196	19:56	3	1.089	A BV	346566.	160.000 NG	1.38
55	138	1221	20:21	3	1.112	A BB	35516.	160.000 NG	1.38
56	198	1226	20:26	4	0.886	A BB	54828.	160.000 NG	1.38
57	169	1230	20:30	4	0.889	A BB	169185.	160.000 NG	1.38
58	248	1297	21:37	4	0.937	A BB	71923.	160.000 NG	1.38
59	284	1324	22:04	4	0.957	A BB	75954.	160.000 NG	1.38
60	266	1360	22:40	4	0.983	A BB	49170.	160.000 NG.	1.38
61	178	1390	23:10	4	1.004	A BV	355115.	160.000 NG	1.38
62	178	1399	23:19	4	1.011	A VB	365762.	160.000 NG	1.38
63	149	1510	25:10	4	1.091	A VB	487306.	160.000 NG	1.38
64	202	1624	27:04	4	1.173	A BB	340553.	160.000 NG	1.38
65	202	1668	27:48	5	0.877	A BB	341977.	160.000 NG.	1.38
66	149	1803	30:03	5	0.948	A BB	217068.	160.000 NG	1.38

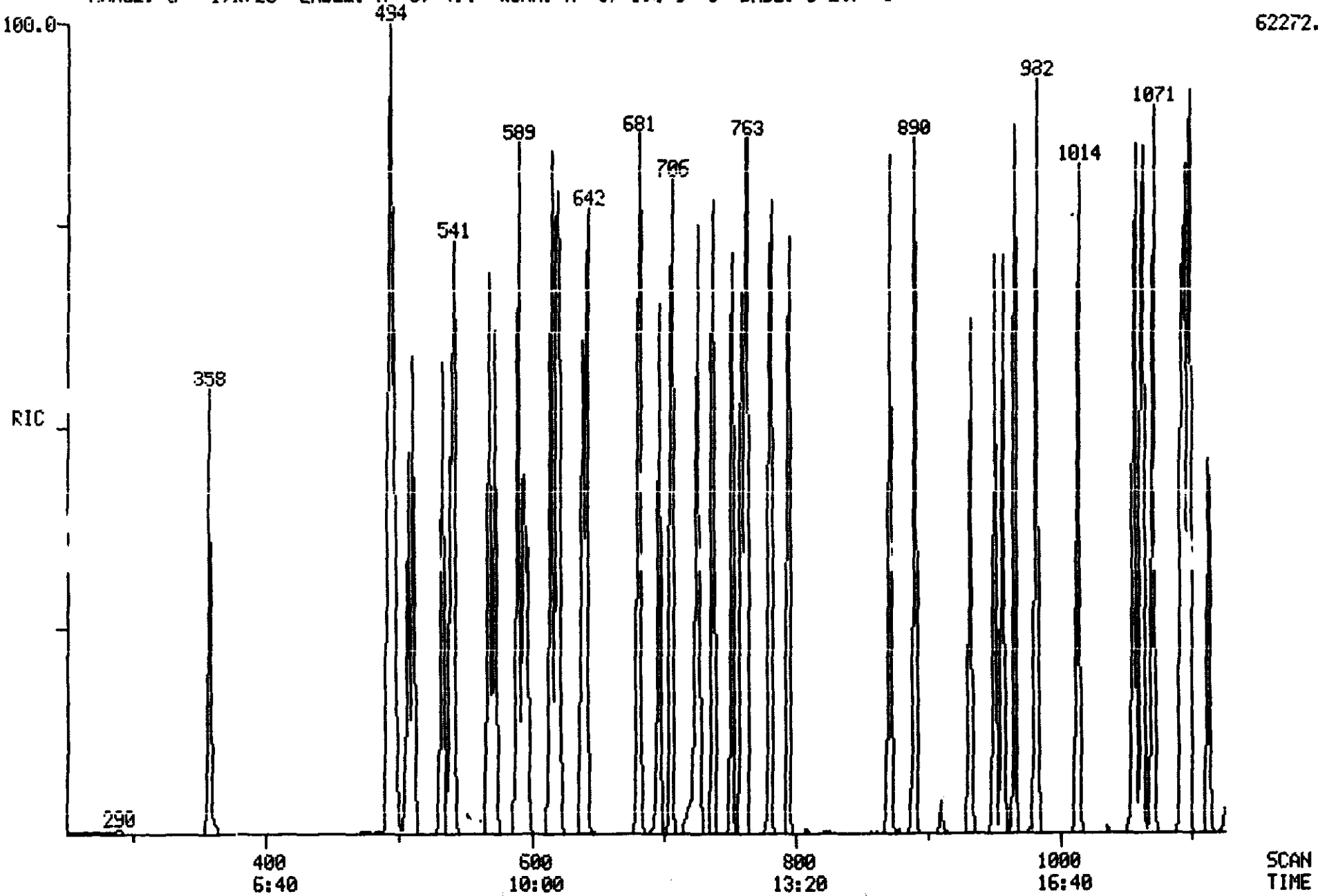
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	228	1898	31:38	5	0.998	A BV	257775.	160.000	NG	1.38
68	228	1906	31:46	5	1.003	A VB	200665.	160.000	NG	1.38
69	252	1896	31:36	5	0.997	A BV	40315.	160.000	NG	1.38
70	149	1908	31:48	5	1.004	A BB	299317.	160.000	NG	1.38
71	149	2027	33:47	6	0.908	A BB	498554.	160.000	NG	1.38
72	252	2129	35:29	6	0.953	A BV	258838.	160.000	NG	1.38
73	252	2136	35:36	6	0.957	A VB	234518.	160.000	NG	1.38
74	252	2219	36:59	6	0.994	A BB	247395.	160.000	NG	1.38
75	276	2623	43:43	6	1.175	A BB	226461.	160.000	NG	1.38
76	278	2633	43:53	6	1.179	A BB	180412.	160.000	NG	1.38
77	276	2744	45:44	6	1.229	A BB	194569.	160.000	NG	1.38

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	19:09	1.00	1.046	1.00	160.00	160.00	0.414	0.414	1.00
52	20:03	1.00	1.096	1.00	160.00	160.00	1.074	1.074	1.00
53	20:03	1.00	1.096	1.00	160.00	160.00	0.528	0.528	1.00
54	19:56	1.00	1.089	1.00	160.00	160.00	1.466	1.466	1.00
55	20:21	1.00	1.112	1.00	160.00	160.00	0.150	0.150	1.00
56	20:26	1.00	0.886	1.00	160.00	160.00	0.149	0.149	1.00
57	20:30	1.00	0.889	1.00	160.00	160.00	0.461	0.461	1.00
58	21:37	1.00	0.937	1.00	160.00	160.00	0.196	0.196	1.00
59	22:04	1.00	0.957	1.00	160.00	160.00	0.207	0.207	1.00
60	22:40	1.00	0.983	1.00	160.00	160.00	0.134	0.134	1.00
61	23:10	1.00	1.004	1.00	160.00	160.00	0.968	0.968	1.00
62	23:19	1.00	1.011	1.00	160.00	160.00	0.997	0.997	1.00
63	25:10	1.00	1.091	1.00	160.00	160.00	1.328	1.328	1.00
64	27:04	1.00	1.173	1.00	160.00	160.00	0.928	0.928	1.00
65	27:48	1.00	0.877	1.00	160.00	160.00	1.218	1.218	1.00
66	30:03	1.00	0.948	1.00	160.00	160.00	0.773	0.773	1.00
67	31:38	1.00	0.998	1.00	160.00	160.00	0.918	0.918	1.00
68	31:46	1.00	1.003	1.00	160.00	160.00	0.715	0.715	1.00
69	31:36	1.00	0.997	1.00	160.00	160.00	0.144	0.144	1.00
70	31:48	1.00	1.004	1.00	160.00	160.00	1.066	1.066	1.00
71	33:47	1.00	0.908	1.00	160.00	160.00	1.959	1.959	1.00
72	35:29	1.00	0.953	1.00	160.00	160.00	1.017	1.017	1.00
73	35:36	1.[illegible]	0.957	1.00	160.00	160.00	0.921	0.921	1.00
74	36:59	1.00	0.994	1.00	160.00	160.00	0.972	0.972	1.00
75	43:43	1.00	1.175	1.00	160.00	160.00	0.890	0.890	1.00
76	43:53	1.00	1.179	1.00	160.00	160.00	0.709	0.709	1.00
77	45:44	1.00	1.229	1.00	160.00	160.00	0.764	0.764	1.00

Z4715

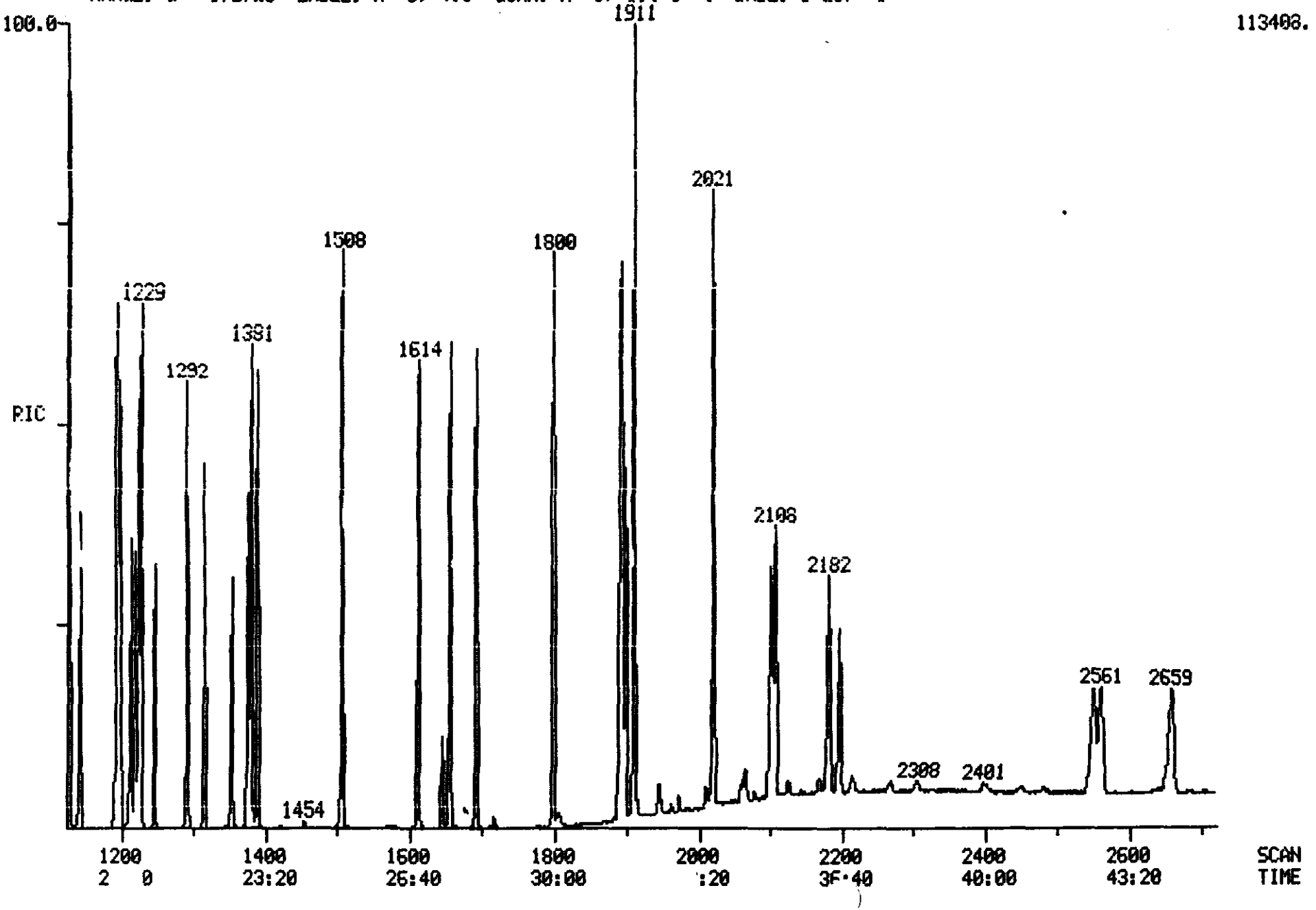
200158

RIC DATA: T2598 #1 SCANS 250 TO 1125
05/15/90 22:57:00 CALI: T2598 #2
SAMPLE· CLP,,,SSTD5A,,,22652,B,CC5A,,1UL,
CONDS.· INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



200159

RIC DATA: T2598 #1 SCANS 1125 TO 2720
05/15/90 22:57:00 CALI: T2598 #2
SAMPLE: CLP,,,SSTD50,,,22656,B,CC50,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: T2598

Data: T2598.TI
05/15/90 22:57:00
Sample: CLP,,,SSTD50,,,22658,B,CC50,,1UL,
Cmds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: ---

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	539	8:59	1	1.000	A BB	8002.	40.000 NG/UL	1.06
2	128	511	8:31	1	0.948	A BB	13163.	50.000 NG.	1.32
3	94	494	8:14	1	0.917	A BB	20288.	50.000 NG.	1.32
4	93	507	8:27	1	0.941	A BB	17064.	50.000 NG	1.32
5	146	532	8:52	1	0.987	A BB	14514.	50.000 NG	1.32
6	146	541	9:01	1	1.004	A BB	15470.	50.000 NG.	1.32
7	146	572	9:32	1	1.061	A BB	14561.	50.000 NG	1.32
8	108	568	9:28	1	1.054	A BB	10060.	50.000 NG	1.32
9	45	594	9:54	1	1.102	A BB	43613.	50.000 NG	1.32
10	108	589	9:49	1	1.093	A BB	14162.	50.000 NG	1.32
11	117	620	10:20	1	1.150	A BB	9786.	50.000 NG	1.32
12	108	614	10:14	1	1.139	A BB	14794.	50.000 NG	1.32
13	70	618	10:18	1	1.147	A BB	19972.	50.000 NG.	1.32
14	112	358	5:58	1	0.664	A BB	12190.	50.000 NG*A1	1.32
15	99	492	8:12	1	0.913	A BB	18106.	50.000 NG*A2	1.32
16	136	759	12:39	16	1.000	A BB	27483.	40.000 NG/UL	1.06
17	77	642	10:42	16	0.846	A BB	29686.	50.000 NG	1.32
18	82	681	11:21	16	0.897	A BB	49270.	50.000 NG	1.32
19	139	696	11:36	16	0.917	A BB	8672.	50.000 NG	1.32
20	107	706	11:46	16	0.930	A BB	19719.	50.000 NG	1.32
21	93	725	12:05	16	0.955	A BB	26200.	50.000 NG	1.32
22	162	737	12:17	16	0.971	A BB	13785.	50.000 NG	1.32
23	180	752	12:32	16	0.991	A BB	14992.	50.000 NG.	1.32
24	128	762	12:42	16	1.004	A BB	46707.	50.000 NG	1.32
25	122	728	12:08	16	0.959	A BB	6539.	50.000 NG	1.32
26	127	781	13:01	16	1.029	A BB	20757.	50.000 NG	1.32
27	225	795	13:15	16	1.047	A BB	11060.	50.000 NG	1.32
28	107	872	14:32	16	1.149	A BB	19599.	50.000 NG.	1.32
29	142	890	14:50	16	1.173	A BB	29194.	50.000 NG	1.32
30	82	638	10:38	16	0.841	A BB	27868.	50.000 NG*B1	1.32
31	164	1092	18:12	31	1.000	A BB	21537.	40.000 NG/UL	1.06
32	237	932	15:32	31	0.853	A BB	12997.	50.000 NG	1.32
33	196	951	15:51	31	0.871	A BV	10926.	50.000 NG	1.32
34	196	957	15:57	31	0.876	A VB	11919.	50.000 NG	1.32
35	162	982	16:22	31	0.899	A BB	32649.	50.000 NG	1.32
36	65	1014	16:54	31	0.929	A BB	24282.	50.000 NG	1.32
37	152	1063	17:43	31	0.973	A BB	53821.	50.000 NG	1.32
38	163	1057	17:37	31	0.968	A BB	42109.	50.000 NG	1.32
39	165	1071	17:51	31	0.981	A BB	10035.	50.000 NG	1.32
40	153	1099	18:19	31	1.006	A BB	33055.	50.000 NG.	1.32
41	138	1095	18:15	31	1.003	A BB	11650.	50.000 NG	1.32
42	184	1113	18:33	31	1.019	A BB	6720.	50.000 NG	1.32
43	168	1129	18:49	31	1.034	A BB	49632.	50.000 NG	1.32
44	109	1129	18:49	31	1.034	A BB	10767.	50.000 NG.	1.32
45	165	1144	19:04	31	1.048	A BB	14256.	50.000 NG.	1.32
46	166	1195	19:55	31	1.094	A BB	39417.	50.000 NG	1.32
47	204	1198	19:58	31	1.097	A BB	21501.	50.000 NG	1.32
48	149	1193	19:53	31	1.092	A BB	50664.	50.000 NG	1.32
49	138	1215	20:15	31	1.113	A BB	11734.	50.000 NG	1.32
50	198	1220	20:20	31	1.117	A BB	9210.	50.000 NG	1.32

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:31	1.00	0.948	1.00	50.00	50.00	1.316	1.316	1.00
3	8:14	1.00	0.917	1.00	50.00	50.00	2.028	2.028	1.00
4	8:27	1.00	0.941	1.00	50.00	50.00	1.706	1.706	1.00
5	8:52	1.00	0.987	1.00	50.00	50.00	1.451	1.451	1.00
6	9:01	1.00	1.004	1.00	50.00	50.00	1.547	1.547	1.00
7	9:32	1.00	1.061	1.00	50.00	50.00	1.456	1.456	1.00
8	9:28	1.00	1.054	1.00	50.00	50.00	1.006	1.006	1.00
9	9:54	1.00	1.102	1.00	50.00	50.00	4.360	4.360	1.00
10	9:49	1.00	1.093	1.00	50.00	50.00	1.416	1.416	1.00
11	10:20	1.00	1.150	1.00	50.00	50.00	0.978	0.978	1.00
12	10:14	1.00	1.139	1.00	50.00	50.00	1.479	1.479	1.00
13	10:18	1.00	1.147	1.00	50.00	50.00	1.997	1.997	1.00
14	5:58	1.00	0.664	1.00	50.00	50.00	1.219	1.219	1.00
15	8:12	1.00	0.913	1.00	50.00	50.00	1.810	1.810	1.00
16	12:39	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:42	1.00	0.846	1.00	50.00	50.00	0.864	0.864	1.00
18	11:21	1.00	0.897	1.00	50.00	50.00	1.434	1.434	1.00
19	11:36	1.00	0.917	1.00	50.00	50.00	0.252	0.252	1.00
20	11:46	1.00	0.930	1.00	50.00	50.00	0.574	0.574	1.00
21	12:05	1.00	0.955	1.00	50.00	50.00	0.763	0.763	1.00
22	12:17	1.00	0.971	1.00	50.00	50.00	0.401	0.401	1.00
23	12:32	1.00	0.991	1.00	50.00	50.00	0.436	0.436	1.00
24	12:42	1.00	1.004	1.00	50.00	50.00	1.360	1.360	1.00
25	12:08	1.00	0.959	1.00	50.00	50.00	0.190	0.190	1.00
26	13:01	1.00	1.029	1.00	50.00	50.00	0.604	0.604	1.00
27	13:15	1.00	1.047	1.00	50.00	50.00	0.322	0.322	1.00
28	14:32	1.00	1.149	1.00	50.00	50.00	0.571	0.571	1.00
29	14:50	1.00	1.173	1.00	50.00	50.00	0.850	0.850	1.00
30	10:38	1.00	0.841	1.00	50.00	50.00	0.811	0.811	1.00
31	18:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:32	1.00	0.853	1.00	50.00	50.00	0.483	0.483	1.00
33	15:51	1.00	0.871	1.00	50.00	50.00	0.406	0.406	1.00
34	15:57	1.00	0.876	1.00	50.00	50.00	0.443	0.443	1.00
35	16:22	1.00	0.899	1.00	50.00	50.00	1.213	1.213	1.00
36	16:54	1.00	0.929	1.00	50.00	50.00	0.902	0.902	1.00
37	17:43	1.00	0.973	1.00	50.00	50.00	1.999	1.999	1.00
38	17:37	1.00	0.968	1.00	50.00	50.00	1.564	1.564	1.00
39	17:51	1.00	0.981	1.00	50.00	50.00	0.373	0.373	1.00
40	18:19	1.00	1.006	1.00	50.00	50.00	1.228	1.228	1.00
41	18:15	1.00	1.003	1.00	50.00	50.00	0.433	0.433	1.00
42	18:33	1.00	1.019	1.00	50.00	50.00	0.250	0.250	1.00
43	18:49	1.00	1.034	1.00	50.00	50.00	1.844	1.844	1.00
44	18:49	1.00	1.034	1.00	50.00	50.00	0.400	0.400	1.00
45	19:04	1.00	1.048	1.00	50.00	50.00	0.530	0.530	1.00
46	19:55	1.00	1.094	1.00	50.00	50.00	1.464	1.464	1.00
47	19:58	1.00	1.097	1.00	50.00	50.00	0.799	0.799	1.00
48	19:53	1.00	1.092	1.00	50.00	50.00	1.882	1.882	1.00
49	20:15	1.00	1.113	1.00	50.00	50.00	0.436	0.436	1.00
50	20:20	1.00	1.117	1.00	50.00	50.00	0.342	0.342	1.00

Quantitation Report File: T2598

Data: T2598.TI
05/15/90 22:57:00
Sample: CLP,,,SSTD50,,,22658,B,CC50,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: ---

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

No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

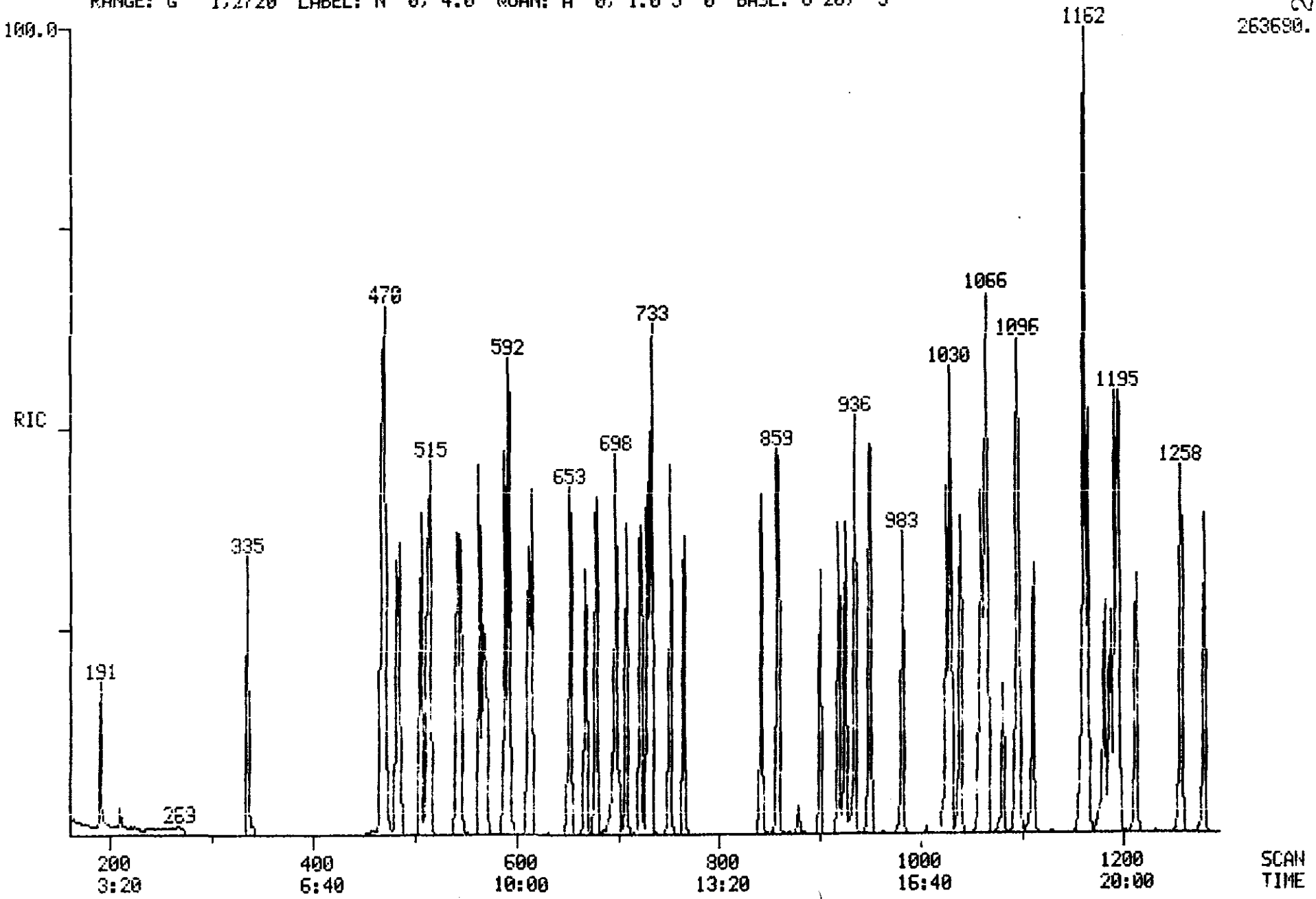
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	169	1225	20:25	31	1.122	A BB	30710.	50.000 NG	1.32
52	248	1292	21:32	31	1.183	A BB	14629.	50.000 NG	1.32
53	284	1316	21:56	31	1.205	A BB	17893.	50.000 NG	1.32
54	172	966	16:06	31	0.885	A BB	34842.	50.000 NG*B2	1.32
55	188	1376	22:56	55	1.000	A BB	48429.	40.000 NG/UL	1.06
56	266	1353	22:33	55	0.983	A BB	10394.	50.000 NG.	1.32
57	178	1381	23:01	55	1.004	A BV	65901.	50.000 NG	1.32
58	178	1389	23:09	55	1.009	A VB	66250.	50.000 NG	1.32
59	149	1508	25:08	55	1.096	A BB	102359.	50.000 NG	1.32
60	202	1614	26:54	55	1.173	A BB	77368.	50.000 NG	1.32
61	202	1657	27:37	63	0.875	A BB	78673.	50.000 NG.	1.32
62	330	1247	20:47	31	1.142	A BB	9398.	50.000 NG*A3	1.32
63	240	1894	31:34	63	1.000	A BB	47266.	40.000 NG/UL	1.06
64	149	1799	29:59	63	0.950	A BB	49995.	50.000 NG	1.32
65	228	1891	31:31	63	0.998	A BV	61413.	50.000 NG	1.32
66	228	1899	31:39	63	1.003	A VB	47185.	50.000 NG	1.32

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	1893	31:33	63	0.999	A BB	18953.	50.000	NG	1.32
68	149	1910	31:50	63	1.008	A BB	69248.	50.000	NG	1.32
69	244	1693	28:13	63	0.894	A BB	54305.	50.000	NG*B3	1.32
70	264	2197	36:37	70	1.000	A BB	39233.	40.000	NG/UL	1.06
71	149	2021	33:41	70	0.920	A BB	106765.	50.000	NG	1.32
72	252	2102	35:02	70	0.957	A BV	60363.	50.000	NG	1.32
73	252	2108	35:08	70	0.959	A VB	48961.	50.000	NG	1.32
74	252	2182	36:22	70	0.993	A BB	52923.	50.000	NG	1.32
75	276	2550	42:30	70	1.161	A BV	44985.	50.000	NG	1.32
76	278	2561	42:41	70	1.166	A BB	39989.	50.000	NG	1.32
77	276	2659	44:19	70	1.210	A BB	44854.	50.000	NG	1.32

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:25	1.00	1.122	1.00	50.00	50.00	1.141	1.141	1.00
52	21:32	1.00	1.183	1.00	50.00	50.00	0.543	0.543	1.00
53	21:56	1.00	1.205	1.00	50.00	50.00	0.665	0.665	1.00
54	16:06	1.00	0.885	1.00	50.00	50.00	1.294	1.294	1.00
55	22:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:33	1.00	0.983	1.00	50.00	50.00	0.172	0.172	1.00
57	23:01	1.00	1.004	1.00	50.00	50.00	1.089	1.089	1.00
58	23:09	1.00	1.009	1.00	50.00	50.00	1.094	1.094	1.00
59	25:08	1.00	1.096	1.00	50.00	50.00	1.691	1.691	1.00
60	26:54	1.00	1.173	1.00	50.00	50.00	1.278	1.278	1.00
61	27:37	1.00	0.875	1.00	50.00	50.00	1.332	1.332	1.00
62	20:47	1.00	1.142	1.00	50.00	50.00	0.349	0.349	1.00
63	31:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	29:59	1.00	0.950	1.00	50.00	50.00	0.846	0.846	1.00
65	31:31	1.00	0.998	1.00	50.00	50.00	1.039	1.039	1.00
66	31:39	1.00	1.003	1.00	50.00	50.00	0.799	0.799	1.00
67	31:33	1.00	0.999	1.00	50.00	50.00	0.321	0.321	1.00
68	31:50	1.00	1.008	1.00	50.00	50.00	1.172	1.172	1.00
69	28:13	1.00	0.894	1.00	50.00	50.00	0.919	0.919	1.00
70	36:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:41	1.00	0.920	1.00	50.00	50.00	2.177	2.177	1.00
72	35:02	1.00	0.957	1.00	50.00	50.00	1.231	1.231	1.00
73	35:08	1.00	0.959	1.00	50.00	50.00	0.998	0.998	1.00
74	36:22	1.00	0.993	1.00	50.00	50.00	1.079	1.079	1.00
75	42:30	1.00	1.161	1.00	50.00	50.00	0.917	0.917	1.00
76	42:41	1.00	1.166	1.00	50.00	50.00	0.815	0.815	1.00
77	44:19	1.00	1.210	1.00	50.00	50.00	0.915	0.915	1.00

RIC DATA: T2726 #1 SCANS 160 TO 1295
05/23/90 12:04:00 CALI: T2726 #2
SAMPLE: CLP,,,SSTD 50,,,22784,B,,CC-050,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

200165

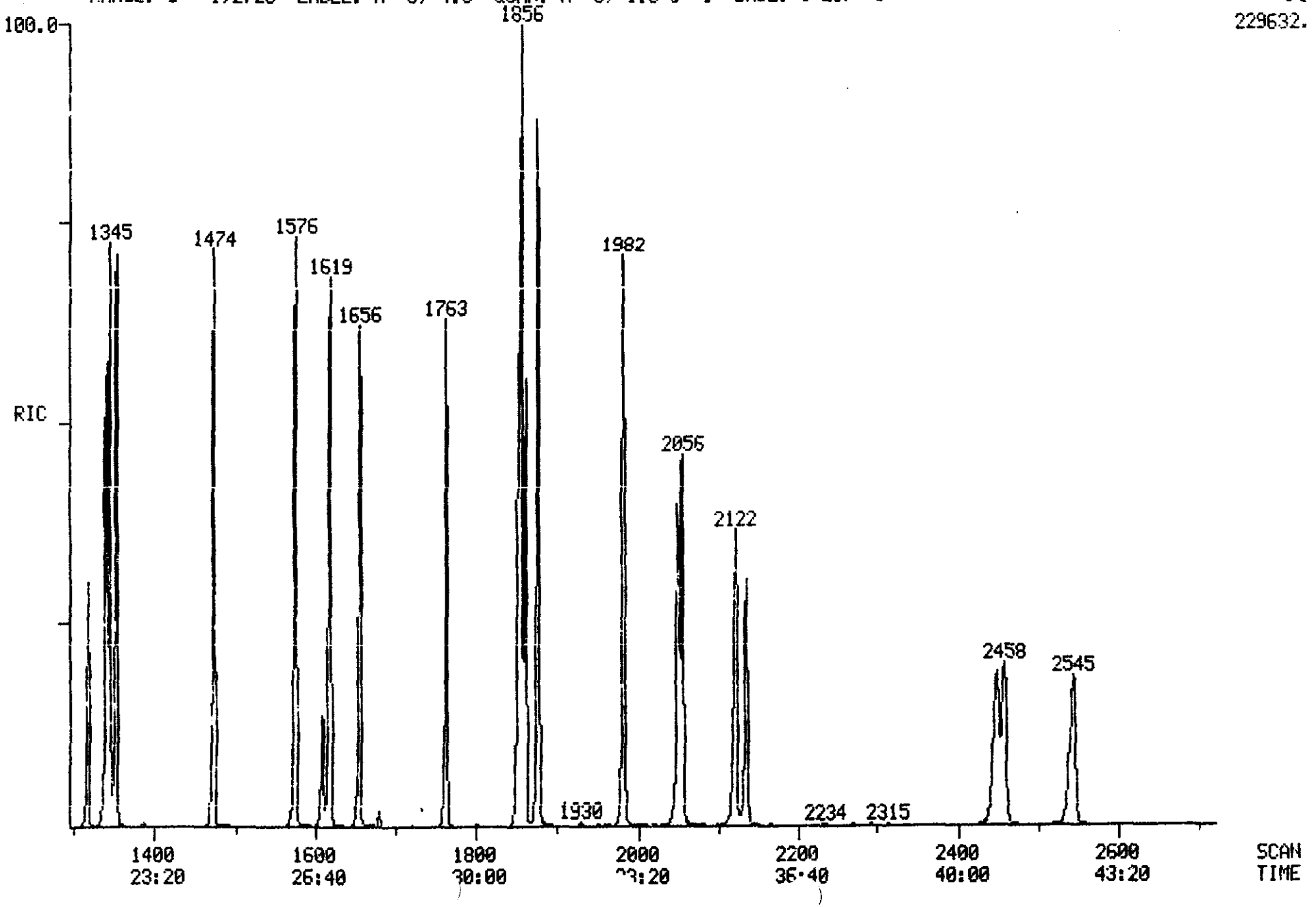


RIC
05/23/90 12:04:00
SAMPLE: CLP,,,SSTD 50,,,22784,B,,CC-050,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
RANGE: G 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: T2726 #1
CALI: T2726 #2

SCANS 1295 TO 2720

200166



Quantitation Report File: T2726

Data: T2726.TI
5/23/90 12:04:00
Sample: CLP,,,SSTD 50,,,22784,B,,CC-050,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: SJD Acct. No.: -

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	512	8:32	1	1.000	A BB	32730.	40.000	NG/UL	1.06
2	128	485	8:05	1	0.947	A BB	51837.	50.000	NG.	1.32
3	94	470	7:50	1	0.918	A BB	75359.	50.000	NG.	1.32
4	93	482	8:02	1	0.941	A VB	68479.	50.000	NG	1.32
5	146	506	8:26	1	0.988	A BB	56532.	50.000	NG	1.32
6	146	515	8:35	1	1.006	A BB	58105.	50.000	NG.	1.32
7	146	544	9:04	1	1.062	A BB	55513.	50.000	NG	1.32
8	108	541	9:01	1	1.057	A BB	34984.	50.000	NG	1.32
9	45	567	9:27	1	1.107	A BB	127730.	50.000	NG	1.32
10	108	563	9:23	1	1.100	A BB	51098.	50.000	NG	1.32
11	117	593	9:53	1	1.158	A BB	28817.	50.000	NG	1.32
12	108	588	9:48	1	1.148	A BB	52406.	50.000	NG	1.32
13	70	592	9:52	1	1.156	A BB	54233.	50.000	NG.	1.32
14	112	335	5:35	1	0.654	A BB	53885.	50.000	NG*A1	1.32
15	99	468	7:48	1	0.914	A BB	72266.	50.000	NG*A2	1.32
16	136	729	12:09	16	1.000	A BB	101194.	40.000	NG/UL	1.06
17	77	614	10:14	16	0.842	A BB	78101.	50.000	NG	1.32
18	82	653	10:53	16	0.896	A BB	147465.	50.000	NG	1.32
19	139	668	11:08	16	0.916	A BB	30658.	50.000	NG	1.32
20	107	679	11:19	16	0.931	A BB	58921.	50.000	NG	1.32
21	93	698	11:38	16	0.957	A BB	90488.	50.000	NG	1.32
22	162	708	11:48	16	0.971	A BB	46609.	50.000	NG	1.32
23	180	723	12:03	16	0.992	A BB	48024.	50.000	NG.	1.32
24	128	733	12:13	16	1.005	A BB	166045.	50.000	NG	1.32
25	122	702	11:42	16	0.963	A BB	22929.	50.000	NG	1.32
26	127	752	12:32	16	1.032	A BB	70097.	50.000	NG	1.32
27	225	766	12:46	16	1.051	A BB	27937.	50.000	NG	1.32
28	107	843	14:03	16	1.156	A BB	56144.	50.000	NG.	1.32
29	142	859	14:19	16	1.178	A BB	93383.	50.000	NG	1.32
30	82	611	10:11	16	0.838	A BB	76594.	50.000	NG*B1	1.32
31	164	1059	17:39	31	1.000	A BB	68217.	40.000	NG/UL	1.06
32	237	901	15:01	31	0.851	A BB	32285.	50.000	NG	1.32
33	196	920	15:20	31	0.869	A BV	34017.	50.000	NG	1.32
34	196	926	15:26	31	0.874	A VB	33862.	50.000	NG	1.32
35	162	950	15:50	31	0.897	A BB	98568.	50.000	NG	1.32
36	65	983	16:23	31	0.928	A BB	50899.	50.000	NG	1.32
37	152	1030	17:10	31	0.973	A BB	169683.	50.000	NG	1.32
38	163	1026	17:06	31	0.969	A BB	117331.	50.000	NG	1.32
39	165	1040	17:20	31	0.982	A BB	30238.	50.000	NG	1.32
40	153	1066	17:46	31	1.007	A BB	104045.	50.000	NG.	1.32
41	138	1063	17:43	31	1.004	A BB	35838.	50.000	NG	1.32
42	184	1081	18:01	31	1.021	A BB	17304.	50.000	NG	1.32
43	168	1096	18:16	31	1.035	A BB	144375.	50.000	NG	1.32
44	109	1098	18:18	31	1.037	A BB	17923.	50.000	NG.	1.32
45	165	1112	18:32	31	1.050	A BB	41516.	50.000	NG.	1.32
46	166	1162	19:22	31	1.097	A BB	117309.	50.000	NG	1.32
47	204	1166	19:26	31	1.101	A BB	59095.	50.000	NG	1.32
48	149	1162	19:22	31	1.097	A BB	133431.	50.000	NG	1.32
49	138	1182	19:42	31	1.116	A BB	34689.	50.000	NG	1.32
50	198	1187	19:47	31	1.121	A BB	25403.	50.000	NG	1.32

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:32	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:05	1.00	0.947	1.00	50.00	50.00	1.267	1.267	1.00
3	7:50	1.00	0.918	1.00	50.00	50.00	1.842	1.842	1.00
4	8:02	1.00	0.941	1.00	50.00	50.00	1.674	1.674	1.00
5	8:26	1.00	0.988	1.00	50.00	50.00	1.382	1.382	1.00
6	8:35	1.00	1.006	1.00	50.00	50.00	1.420	1.420	1.00
7	9:04	1.00	1.062	1.00	50.00	50.00	1.357	1.357	1.00
8	9:01	1.00	1.057	1.00	50.00	50.00	0.855	0.855	1.00
9	9:27	1.00	1.107	1.00	50.00	50.00	3.122	3.122	1.00
10	9:23	1.00	1.100	1.00	50.00	50.00	1.249	1.249	1.00
11	9:53	1.00	1.158	1.00	50.00	50.00	0.704	0.704	1.00
12	9:48	1.00	1.148	1.00	50.00	50.00	1.281	1.281	1.00
13	9:52	1.00	1.156	1.00	50.00	50.00	1.326	1.326	1.00
14	5:35	1.00	0.654	1.00	50.00	50.00	1.317	1.317	1.00
15	7:48	1.00	0.914	1.00	50.00	50.00	1.766	1.766	1.00
16	12:09	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:14	1.00	0.842	1.00	50.00	50.00	0.617	0.617	1.00
18	10:53	1.00	0.896	1.00	50.00	50.00	1.166	1.166	1.00
19	11:08	1.00	0.916	1.00	50.00	50.00	0.242	0.242	1.00
20	11:19	1.00	0.931	1.00	50.00	50.00	0.466	0.466	1.00
21	11:38	1.00	0.957	1.00	50.00	50.00	0.715	0.715	1.00
22	11:48	1.00	0.971	1.00	50.00	50.00	0.368	0.368	1.00
23	12:03	1.00	0.992	1.00	50.00	50.00	0.380	0.380	1.00
24	12:13	1.00	1.005	1.00	50.00	50.00	1.313	1.313	1.00
25	11:42	1.00	0.963	1.00	50.00	50.00	0.181	0.181	1.00
26	12:32	1.00	1.032	1.00	50.00	50.00	0.554	0.554	1.00
27	12:46	1.00	1.051	1.00	50.00	50.00	0.221	0.221	1.00
28	14:03	1.00	1.156	1.00	50.00	50.00	0.444	0.444	1.00
29	14:19	1.00	1.178	1.00	50.00	50.00	0.738	0.738	1.00
30	10:11	1.00	0.838	1.00	50.00	50.00	0.606	0.606	1.00
31	17:39	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:01	1.00	0.851	1.00	50.00	50.00	0.379	0.379	1.00
33	15:20	1.00	0.869	1.00	50.00	50.00	0.399	0.399	1.00
34	15:26	1.00	0.874	1.00	50.00	50.00	0.397	0.397	1.00
35	15:50	1.00	0.897	1.00	50.00	50.00	1.156	1.156	1.00
36	16:23	1.00	0.928	1.00	50.00	50.00	0.597	0.597	1.00
37	17:10	1.00	0.973	1.00	50.00	50.00	1.990	1.990	1.00
38	17:06	1.00	0.969	1.00	50.00	50.00	1.376	1.376	1.00
39	17:20	1.00	0.982	1.00	50.00	50.00	0.355	0.355	1.00
40	17:46	1.00	1.007	1.00	50.00	50.00	1.220	1.220	1.00
41	17:43	1.00	1.004	1.00	50.00	50.00	0.420	0.420	1.00
42	18:01	1.00	1.021	1.00	50.00	50.00	0.203	0.203	1.00
43	18:16	1.00	1.035	1.00	50.00	50.00	1.693	1.693	1.00
44	18:18	1.00	1.037	1.00	50.00	50.00	0.210	0.210	1.00
45	18:32	1.00	1.050	1.00	50.00	50.00	0.487	0.487	1.00
46	19:22	1.00	1.097	1.00	50.00	50.00	1.376	1.376	1.00
47	19:26	1.00	1.101	1.00	50.00	50.00	0.693	0.693	1.00
48	19:22	1.00	1.097	1.00	50.00	50.00	1.565	1.565	1.00
49	19:42	1.00	1.116	1.00	50.00	50.00	0.407	0.407	1.00
50	19:47	1.00	1.121	1.00	50.00	50.00	0.298	0.298	1.00

Quantitation Report File: T2726

Data: T2726.TI
3/23/90 12:04:00
Sample: CLP,,,SSTD 50,,,22784,B,,CC-050,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: SJD Acct. No.: -

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

No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

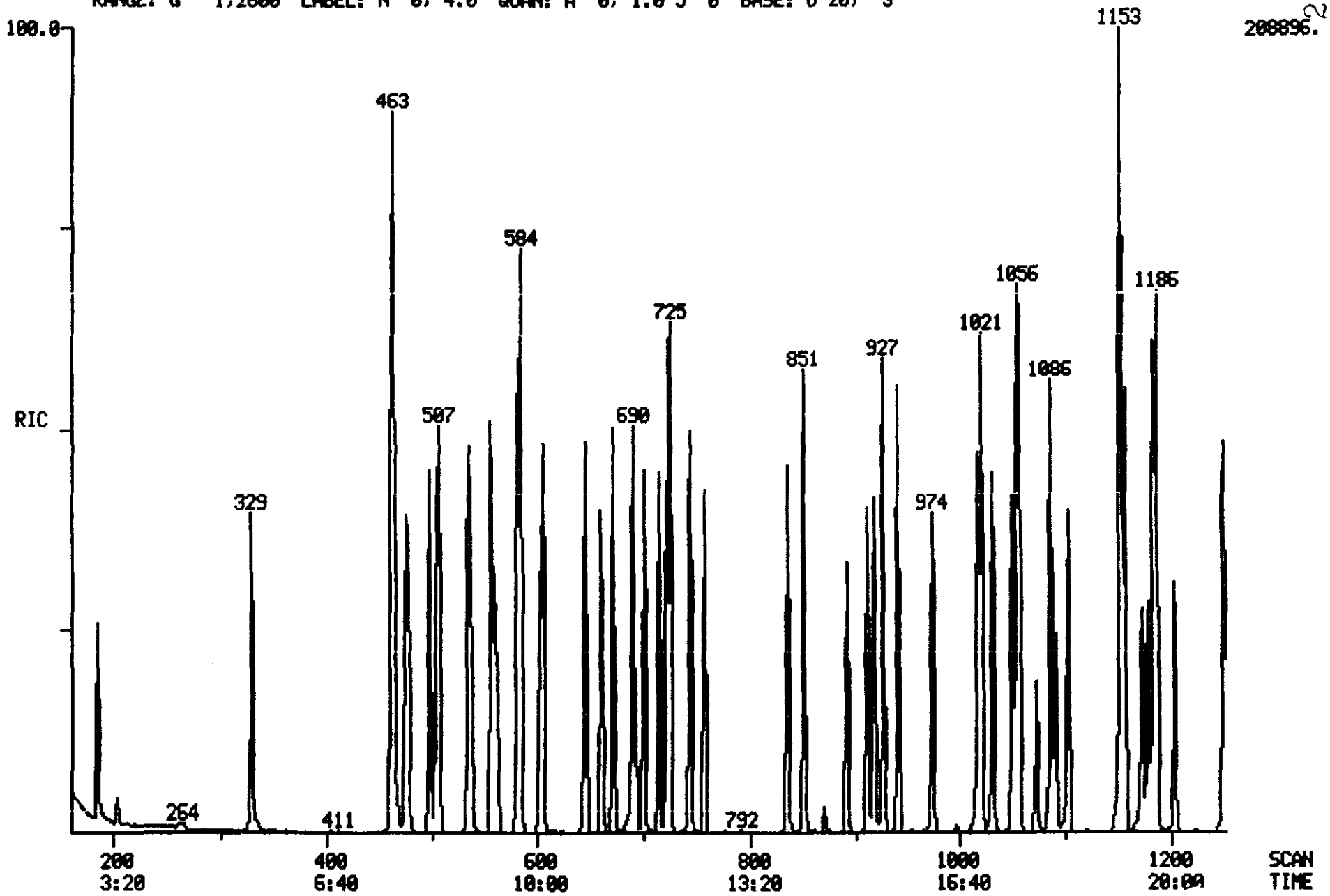
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	169	1192	19:52	31	1.126	A BB	83946.	50.000 NG	1.32
52	248	1258	20:58	31	1.188	A BB	35513.	50.000 NG	1.32
53	284	1281	21:21	31	1.210	A BB	44644.	50.000 NG	1.32
54	172	936	15:36	31	0.884	A BB	113038.	50.000 NG*B2	1.32
55	188	1341	22:21	55	1.000	A BB	135436.	40.000 NG/UL	1.06
56	266	1318	21:58	55	0.983	A BB	23588.	50.000 NG.	1.32
57	178	1345	22:25	55	1.003	A BV	184190.	50.000 NG	1.32
58	178	1353	22:33	55	1.009	A VB	181290.	50.000 NG	1.32
59	149	1474	24:34	55	1.099	A BB	232966.	50.000 NG	1.32
60	202	1576	26:16	55	1.175	A BV	188754.	50.000 NG	1.32
61	202	1619	26:59	63	0.872	A BB	190625.	50.000 NG.	1.32
62	330	1212	20:12	31	1.144	A BB	23905.	50.000 NG*A3	1.32
63	240	1856	30:56	63	1.000	A BB	112578.	40.000 NG/UL	1.06
64	149	1763	29:23	63	0.950	A BB	96570.	50.000 NG	1.32
65	228	1853	30:53	63	0.998	A BV	143664.	50.000 NG	1.32
66	228	1861	31:01	63	1.003	A VB	102940.	50.000 NG	1.32

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	1856	30:56	63	1.000	A BB	50974.	50.000	NG	1.32
68	149	1876	31:16	63	1.011	A BB	137810.	50.000	NG	1.32
69	244	1656	27:36	63	0.892	A BB	126232.	50.000	NG*B3	1.32
70	264	2135	35:35	70	1.000	A BB	97334.	40.000	NG/UL	1.06
71	149	1982	33:02	70	0.928	A BB	218336.	50.000	NG	1.32
72	252	2050	34:10	70	0.960	A BV	152163.	50.000	NG	1.32
73	252	2055	34:15	70	0.963	A VB	109546.	50.000	NG	1.32
74	252	2121	35:21	70	0.993	A BV	128958.	50.000	NG	1.32
75	276	2448	40:48	70	1.147	A BV	110365.	50.000	NG	1.32
76	278	2458	40:58	70	1.151	A BB	102804.	50.000	NG	1.32
77	276	2545	42:25	70	1.192	A BB	111141.	50.000	NG	1.32

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	19:52	1.00	1.126	1.00	50.00	50.00	0.984	0.984	1.00
52	20:58	1.00	1.188	1.00	50.00	50.00	0.416	0.416	1.00
53	21:21	1.00	1.210	1.00	50.00	50.00	0.524	0.524	1.00
54	15:36	1.00	0.884	1.00	50.00	50.00	1.326	1.326	1.00
55	22:21	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	21:58	1.00	0.983	1.00	50.00	50.00	0.139	0.139	1.00
57	22:25	1.00	1.003	1.00	50.00	50.00	1.088	1.088	1.00
58	22:33	1.00	1.009	1.00	50.00	50.00	1.071	1.071	1.00
59	24:34	1.00	1.099	1.00	50.00	50.00	1.376	1.376	1.00
60	26:16	1.00	1.175	1.00	50.00	50.00	1.115	1.115	1.00
61	26:59	1.00	0.872	1.00	50.00	50.00	1.355	1.355	1.00
62	20:12	1.00	1.144	1.00	50.00	50.00	0.280	0.280	1.00
63	30:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	29:23	1.00	0.950	1.00	50.00	50.00	0.686	0.686	1.00
65	30:53	1.00	0.998	1.00	50.00	50.00	1.021	1.021	1.00
66	31:01	1.00	1.003	1.00	50.00	50.00	0.732	0.732	1.00
67	30:56	1.00	1.000	1.00	50.00	50.00	0.362	0.362	1.00
68	31:16	1.00	1.011	1.00	50.00	50.00	0.979	0.979	1.00
69	27:36	1.00	0.892	1.00	50.00	50.00	0.897	0.897	1.00
70	35:35	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:02	1.00	0.928	1.00	50.00	50.00	1.795	1.795	1.00
72	34:10	1.00	0.960	1.00	50.00	50.00	1.251	1.251	1.00
73	34:15	1.00	0.963	1.00	50.00	50.00	0.900	0.900	1.00
74	35:21	1.00	0.993	1.00	50.00	50.00	1.060	1.060	1.00
75	40:48	1.00	1.147	1.00	50.00	50.00	0.907	0.907	1.00
76	40:58	1.00	1.151	1.00	50.00	50.00	0.845	0.845	1.00
77	42:25	1.00	1.192	1.00	50.00	50.00	0.913	0.913	1.00

RIC DATA: T2767 #1 SCANS 160 TO 1250
05/25/90 8:48:00 CALI: T2767 #2
SAMPLE: CLP,,,SSTD 50,,,22686,B,CC-050,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30200C/MIN
RANGE: G 1,2600 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

200172

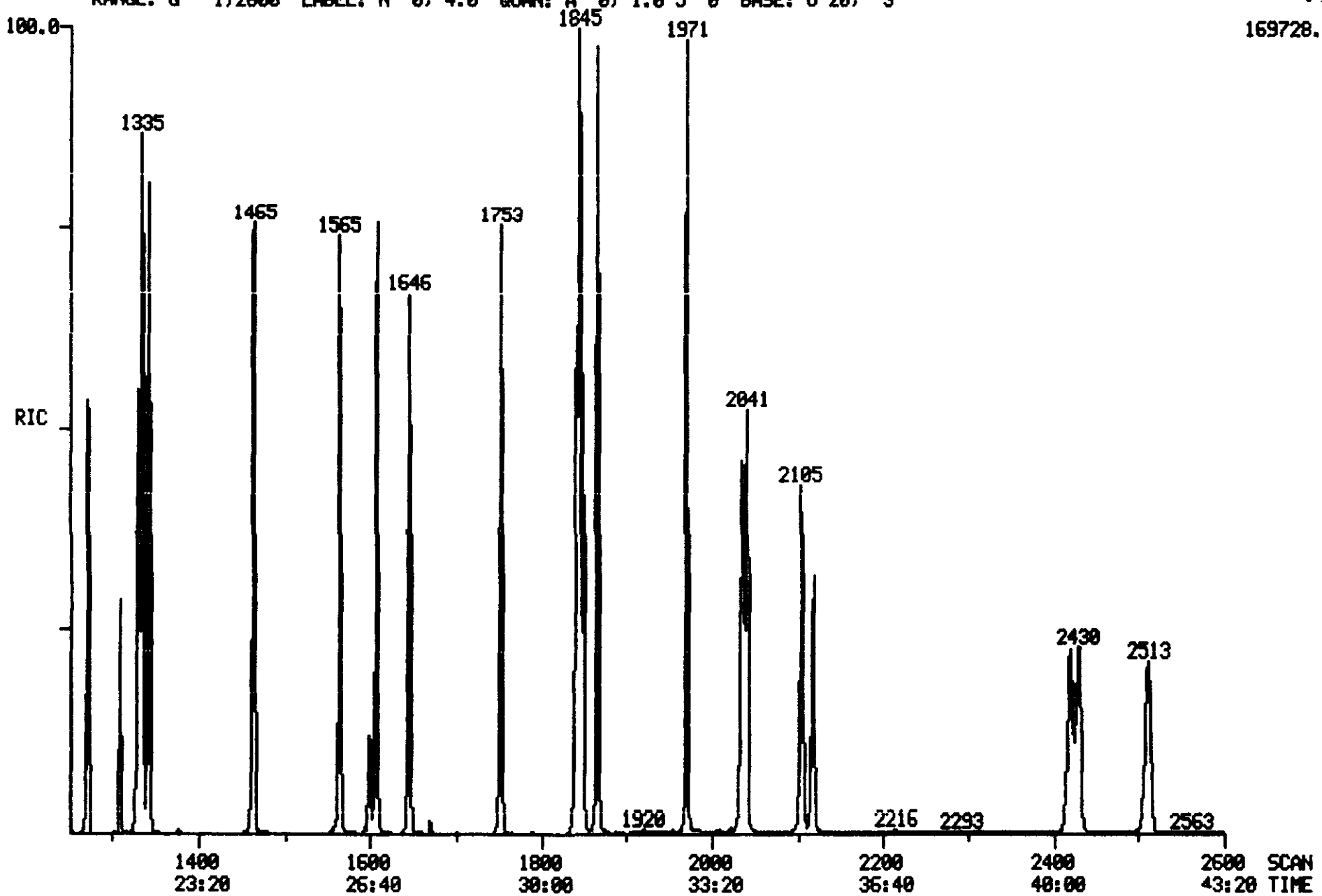


RIC
05/25/90 8:48:00
SAMPLE: CLP,,,SSTD 50,,,22696,B,CC-050,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: G 1,2600 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: T2767 #1
CALI: T2767 #2

SCANS 1250 TO 2600

200173



Quantitation Report File: T2767

Data: T2767.TI
05/25/90 8:48:00
Sample: CLP,,,SSTD 50,,,22686,B,CC-050,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: SJD Acct. No.: -

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

T2767

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	504	8:24	1	1.000	A BB	24426.	40.000	NG/UL	1.06
2	128	477	7:57	1	0.946	A BB	46847.	50.000	NG.	1.32
3	94	463	7:43	1	0.919	A BB	64499.	50.000	NG.	1.32
4	93	475	7:55	1	0.942	A VB	58727.	50.000	NG	1.32
5	146	498	8:18	1	0.988	A BB	50072.	50.000	NG	1.32
6	146	507	8:27	1	1.006	A BB	51813.	50.000	NG.	1.32
7	146	536	8:56	1	1.063	A BB	48826.	50.000	NG	1.32
8	108	534	8:54	1	1.060	A BB	30152.	50.000	NG	1.32
9	45	560	9:20	1	1.111	A BB	110111.	50.000	NG	1.32
10	108	556	9:16	1	1.103	A BB	44854.	50.000	NG	1.32
11	117	584	9:44	1	1.159	A BB	24893.	50.000	NG	1.32
12	108	581	9:41	1	1.153	A BB	45692.	50.000	NG	1.32
13	70	584	9:44	1	1.159	A BB	46794.	50.000	NG.	1.32
14	112	329	5:29	1	0.653	A BB	44401.	50.000	NG*A1	1.32
15	99	461	7:41	1	0.915	A BB	59861.	50.000	NG*A2	1.32
16	136	721	12:01	16	1.000	A BB	77233.	40.000	NG/UL	1.06
17	77	606	10:06	16	0.840	A BB	67782.	50.000	NG	1.32
18	82	645	10:45	16	0.895	A BB	122186.	50.000	NG	1.32
19	139	660	11:00	16	0.915	A BB	27456.	50.000	NG	1.32
20	107	671	11:11	16	0.931	A BB	52818.	50.000	NG	1.32
21	93	690	11:30	16	0.957	A BB	76721.	50.000	NG	1.32
22	162	700	11:40	16	0.971	A BB	41272.	50.000	NG	1.32
23	180	714	11:54	16	0.990	A BB	42516.	50.000	NG.	1.32
24	128	725	12:05	16	1.006	A BB	139338.	50.000	NG	1.32
25	122	694	11:34	16	0.963	A BB	16421.	50.000	NG	1.32
26	127	744	12:24	16	1.032	A BB	60392.	50.000	NG	1.32
27	225	757	12:37	16	1.050	A BB	24708.	50.000	NG	1.32
28	107	836	13:56	16	1.159	A BB	49567.	50.000	NG.	1.32
29	142	851	14:11	16	1.180	A BB	81021.	50.000	NG	1.32
30	82	603	10:03	16	0.836	A BB	63916.	50.000	NG*B1	1.32
31	164	1050	17:30	31	1.000	A BB	51176.	40.000	NG/UL	1.06
32	237	892	14:52	31	0.850	A BB	28872.	50.000	NG	1.32
33	196	911	15:11	31	0.868	A BV	28610.	50.000	NG	1.32
34	196	918	15:18	31	0.874	A VB	29865.	50.000	NG	1.32
35	162	941	15:41	31	0.896	A BB	87784.	50.000	NG	1.32
36	65	974	16:14	31	0.928	A BB	43184.	50.000	NG	1.32
37	152	1021	17:01	31	0.972	A BB	143134.	50.000	NG	1.32
38	163	1017	16:57	31	0.969	A BB	103231.	50.000	NG	1.32
39	165	1031	17:11	31	0.982	A BB	26288.	50.000	NG	1.32
40	153	1056	17:36	31	1.006	A BB	88293.	50.000	NG.	1.32
41	138	1054	17:34	31	1.004	A BB	30002.	50.000	NG	1.32
42	184	1073	17:53	31	1.022	A BB	11935.	50.000	NG	1.32
43	168	1086	18:06	31	1.034	A BB	123928.	50.000	NG	1.32
44	109	1091	18:11	31	1.039	A BB	13792.	50.000	NG.	1.32
45	165	1103	18:23	31	1.050	A BB	36160.	50.000	NG.	1.32
46	166	1152	19:12	31	1.097	A BB	95046.	50.000	NG	1.32
47	204	1156	19:16	31	1.101	A BB	50717.	50.000	NG	1.32
48	149	1153	19:13	31	1.098	A BB	114739.	50.000	NG	1.32
49	138	1173	19:33	31	1.117	A BV	26126.	50.000	NG	1.32
50	198	1178	19:38	31	1.122	A BB	18610.	50.000	NG	1.32

T2767

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	8:24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	7:57	1.00	0.946	1.00	50.00	50.00	1.534	1.534	1.00
3	7:43	1.00	0.919	1.00	50.00	50.00	2.112	2.112	1.00
4	7:55	1.00	0.942	1.00	50.00	50.00	1.923	1.923	1.00
5	8:18	1.00	0.988	1.00	50.00	50.00	1.640	1.640	1.00
6	8:27	1.00	1.006	1.00	50.00	50.00	1.697	1.697	1.00
7	8:56	1.00	1.063	1.00	50.00	50.00	1.599	1.599	1.00
8	8:54	1.00	1.060	1.00	50.00	50.00	0.988	0.988	1.00
9	9:20	1.00	1.111	1.00	50.00	50.00	3.606	3.606	1.00
10	9:16	1.00	1.103	1.00	50.00	50.00	1.469	1.469	1.00
11	9:44	1.00	1.159	1.00	50.00	50.00	0.815	0.815	1.00
12	9:41	1.00	1.153	1.00	50.00	50.00	1.497	1.497	1.00
13	9:44	1.00	1.159	1.00	50.00	50.00	1.533	1.533	1.00
14	5:29	1.00	0.653	1.00	50.00	50.00	1.454	1.454	1.00
15	7:41	1.00	0.915	1.00	50.00	50.00	1.961	1.961	1.00
16	12:01	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:06	1.00	0.840	1.00	50.00	50.00	0.702	0.702	1.00
18	10:45	1.00	0.895	1.00	50.00	50.00	1.266	1.266	1.00
19	11:00	1.00	0.915	1.00	50.00	50.00	0.284	0.284	1.00
20	11:11	1.00	0.931	1.00	50.00	50.00	0.547	0.547	1.00
21	11:30	1.00	0.957	1.00	50.00	50.00	0.795	0.795	1.00
22	11:40	1.00	0.971	1.00	50.00	50.00	0.428	0.428	1.00
23	11:54	1.00	0.990	1.00	50.00	50.00	0.440	0.440	1.00
24	12:05	1.00	1.006	1.00	50.00	50.00	1.443	1.443	1.00
25	11:34	1.00	0.963	1.00	50.00	50.00	0.170	0.170	1.00
26	12:24	1.00	1.032	1.00	50.00	50.00	0.626	0.626	1.00
27	12:37	1.00	1.050	1.00	50.00	50.00	0.256	0.256	1.00
28	13:56	1.00	1.159	1.00	50.00	50.00	0.513	0.513	1.00
29	14:11	1.00	1.180	1.00	50.00	50.00	0.839	0.839	1.00
30	10:03	1.00	0.836	1.00	50.00	50.00	0.662	0.662	1.00
31	17:30	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	14:52	1.00	0.850	1.00	50.00	50.00	0.451	0.451	1.00
33	15:11	1.00	0.868	1.00	50.00	50.00	0.447	0.447	1.00
34	15:18	1.00	0.874	1.00	50.00	50.00	0.467	0.467	1.00
35	15:41	1.00	0.896	1.00	50.00	50.00	1.372	1.372	1.00
36	16:14	1.00	0.928	1.00	50.00	50.00	0.675	0.675	1.00
37	17:01	1.00	0.972	1.00	50.00	50.00	2.238	2.238	1.00
38	16:57	1.00	0.969	1.00	50.00	50.00	1.614	1.614	1.00
39	17:11	1.00	0.982	1.00	50.00	50.00	0.411	0.411	1.00
40	17:36	1.00	1.006	1.00	50.00	50.00	1.380	1.380	1.00
41	17:34	1.00	1.004	1.00	50.00	50.00	0.469	0.469	1.00
42	17:53	1.00	1.022	1.00	50.00	50.00	0.187	0.187	1.00
43	18:06	1.00	1.034	1.00	50.00	50.00	1.937	1.937	1.00
44	18:11	1.00	1.039	1.00	50.00	50.00	0.216	0.216	1.00
45	18:23	1.00	1.050	1.00	50.00	50.00	0.565	0.565	1.00
46	19:12	1.00	1.097	1.00	50.00	50.00	1.486	1.486	1.00
47	19:16	1.00	1.101	1.00	50.00	50.00	0.793	0.793	1.00
48	19:13	1.00	1.098	1.00	50.00	50.00	1.794	1.794	1.00
49	19:33	1.00	1.117	1.00	50.00	50.00	0.408	0.408	1.00
50	19:38	1.00	1.122	1.00	50.00	50.00	0.291	0.291	1.00

Quantitation Report File: T2767

Data: T2767.TI
05/25/90 8:48:00
Sample: CLP,,,SSTD 50,,,22686,B,CC-050,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: SJD Acct. No.: -

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

No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

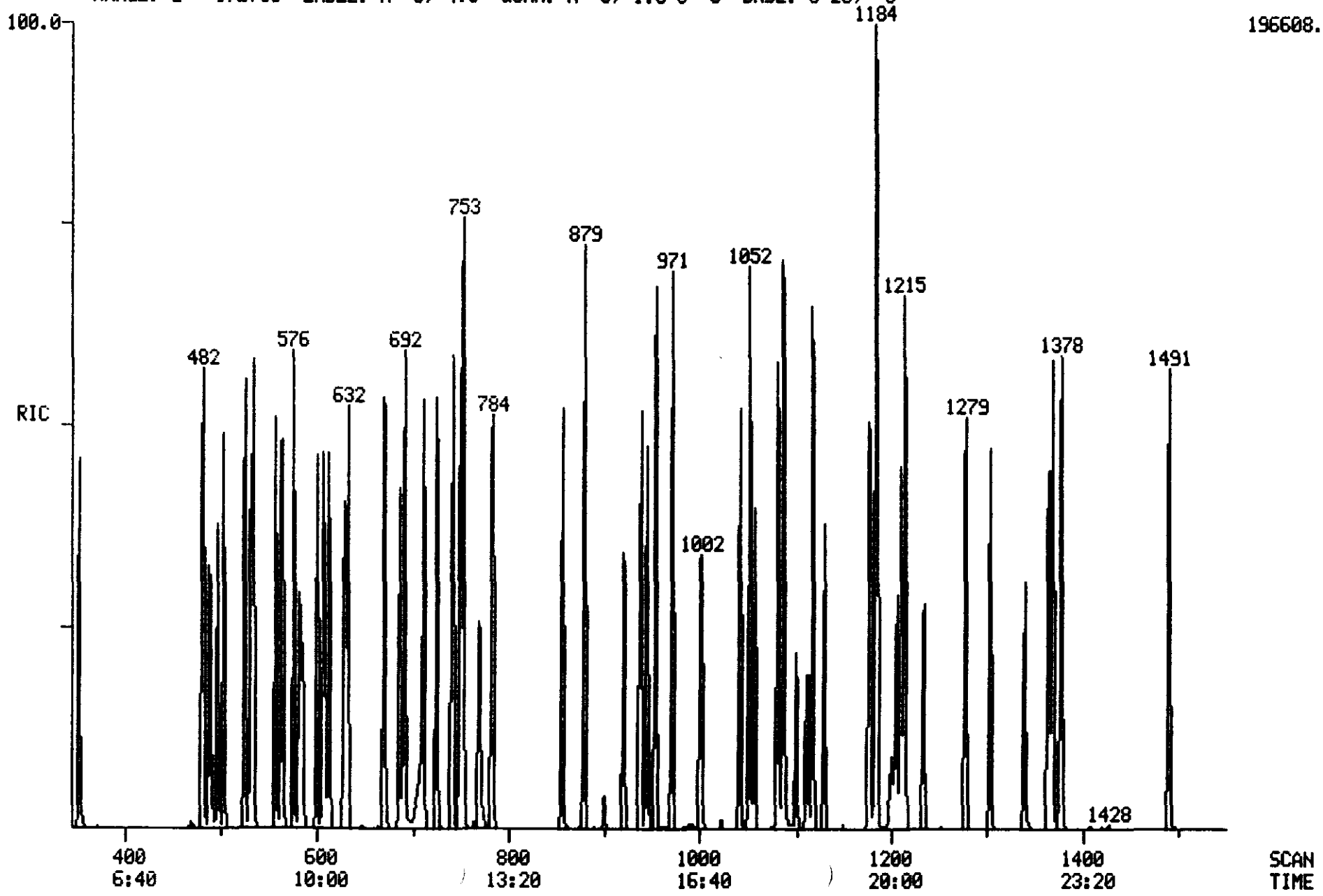
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	169	1183	19:43	31	1.127	A BB	72394.	50.000 NG	1.32
52	248	1248	20:48	31	1.189	A BB	29842.	50.000 NG	1.32
53	284	1271	21:11	31	1.210	A BB	38550.	50.000 NG	1.32
54	172	927	15:27	31	0.883	A BB	93508.	50.000 NG*B2	1.32
55	188	1330	22:10	55	1.000	A BV	99511.	40.000 NG/UL	1.06
56	266	1309	21:49	55	0.984	A BB	14034.	50.000 NG.	1.32
57	178	1335	22:15	55	1.004	A BV	153434.	50.000 NG	1.32
58	178	1344	22:24	55	1.011	A VB	147675.	50.000 NG	1.32
59	149	1464	24:24	55	1.101	A BV	203214.	50.000 NG	1.32
60	202	1565	26:05	55	1.177	A BB	147366.	50.000 NG	1.32
61	202	1608	26:48	63	0.872	A BB	149053.	50.000 NG.	1.32
62	330	1203	20:03	31	1.146	A BB	19227.	50.000 NG*A3	1.32
63	240	1845	30:45	63	1.000	A BB	83250.	40.000 NG/UL	1.06
64	149	1753	29:13	63	0.950	A BB	79225.	50.000 NG	1.32
65	228	1842	30:42	63	0.998	A BV	116701.	50.000 NG	1.32
66	228	1850	30:50	63	1.003	A VB	86448.	50.000 NG	1.32

T27767

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
67	252	1845	30:45	63	1.000	A BB	39866.	50.000	NG	1.32
68	149	1867	31:07	63	1.012	A BB	111545.	50.000	NG	1.32
69	244	1646	27:26	63	0.892	A BB	98470.	50.000	NG*B3	1.32
70	264	2118	35:18	70	1.000	A BB	72665.	40.000	NG/UL	1.06
71	149	1971	32:51	70	0.931	A BB	184714.	50.000	NG	1.32
72	252	2036	33:56	70	0.961	A BV	112355.	50.000	NG	1.32
73	252	2041	34:01	70	0.964	A VB	104024.	50.000	NG	1.32
74	252	2105	35:05	70	0.994	A BV	104622.	50.000	NG	1.32
75	276	2421	40:21	70	1.143	A BV	91883.	50.000	NG	1.32
76	278	2430	40:30	70	1.147	A BB	90377.	50.000	NG	1.32
77	276	2513	41:53	70	1.186	A BB	93710.	50.000	NG	1.32

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	19:43	1.00	1.127	1.00	50.00	50.00	1.132	1.132	1.00
52	20:48	1.00	1.189	1.00	50.00	50.00	0.466	0.466	1.00
53	21:11	1.00	1.210	1.00	50.00	50.00	0.603	0.603	1.00
54	15:27	1.00	0.883	1.00	50.00	50.00	1.462	1.462	1.00
55	22:10	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	21:49	1.00	0.984	1.00	50.00	50.00	0.113	0.113	1.00
57	22:15	1.00	1.004	1.00	50.00	50.00	1.234	1.234	1.00
58	22:24	1.00	1.011	1.00	50.00	50.00	1.187	1.187	1.00
59	24:24	1.00	1.101	1.00	50.00	50.00	1.634	1.634	1.00
60	26:05	1.00	1.177	1.00	50.00	50.00	1.185	1.185	1.00
61	26:48	1.00	0.872	1.00	50.00	50.00	1.432	1.432	1.00
62	20:03	1.00	1.146	1.00	50.00	50.00	0.301	0.301	1.00
63	30:45	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	29:13	1.00	0.950	1.00	50.00	50.00	0.761	0.761	1.00
65	30:42	1.00	0.998	1.00	50.00	50.00	1.121	1.121	1.00
66	30:50	1.00	1.003	1.00	50.00	50.00	0.831	0.831	1.00
67	30:45	1.00	1.000	1.00	50.00	50.00	0.383	0.383	1.00
68	31:07	1.00	1.012	1.00	50.00	50.00	1.072	1.072	1.00
69	27:26	1.00	0.892	1.00	50.00	50.00	0.946	0.946	1.00
70	35:18	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	32:51	1.00	0.931	1.00	50.00	50.00	2.034	2.034	1.00
72	33:56	1.00	0.961	1.00	50.00	50.00	1.237	1.237	1.00
73	34:01	1.00	0.964	1.00	50.00	50.00	1.145	1.145	1.00
74	35:05	1.00	0.994	1.00	50.00	50.00	1.152	1.152	1.00
75	40:21	1.00	1.143	1.00	50.00	50.00	1.012	1.012	1.00
76	40:30	1.00	1.147	1.00	50.00	50.00	0.995	0.995	1.00
77	41:53	1.00	1.186	1.00	50.00	50.00	1.032	1.032	1.00

RIC DATA: Z4754 #1 SCANS 345 TO 1550
05/18/90 16:56:00 CALI: Z4754 #2
SAMPLE: CLP,,,SSTD50,,,22658,B,CC-050,,,1UL,
CONDS.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
RANGE: G 1,2700 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



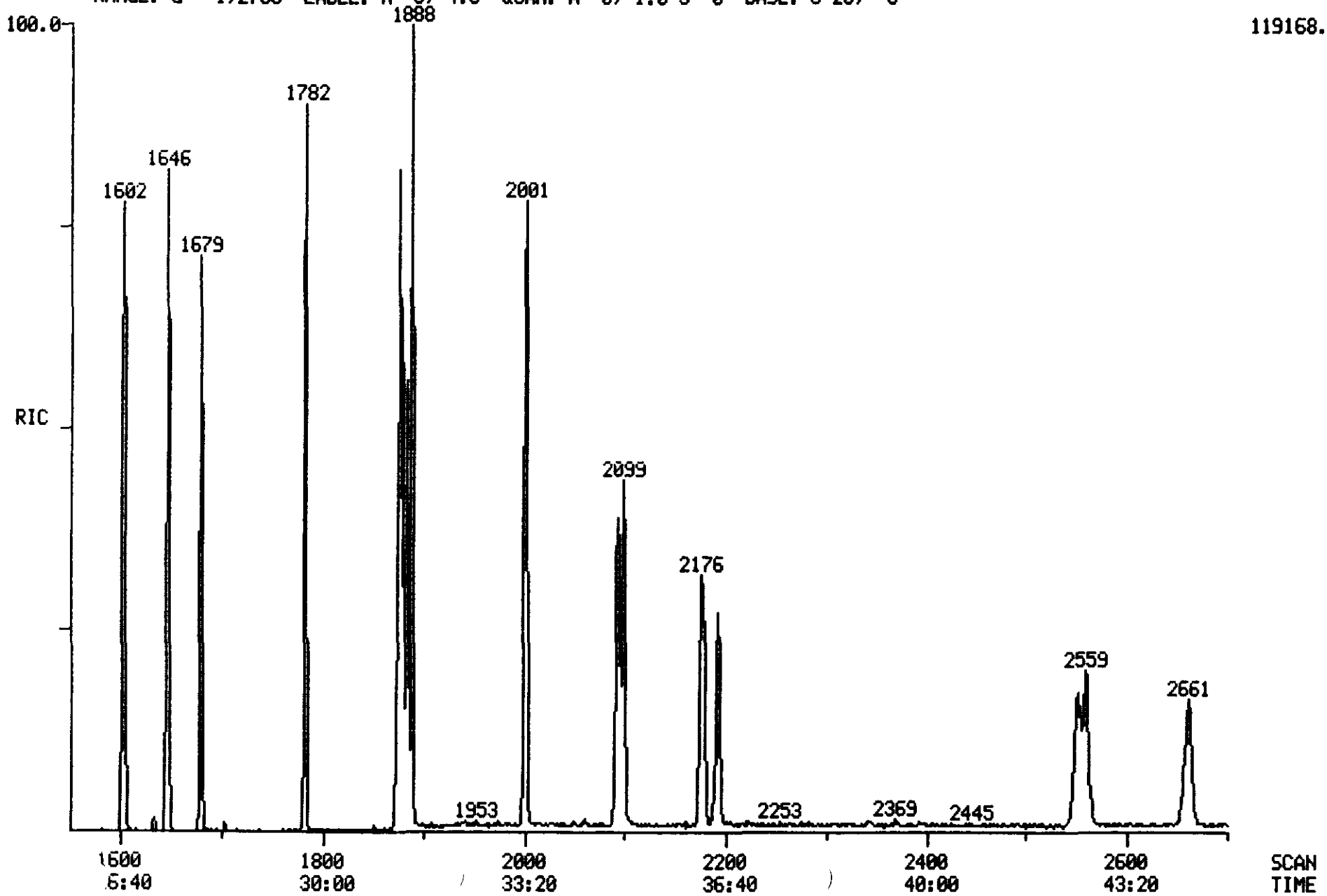
200179

200180

RIC
05/18/90 16:56:00
SAMPLE: CLP,,,SSTD50,,,22658,B,CC-050,,,1UL,
CONDS.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
RANGE: G 1,2700 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: Z4754 #1
CALI: Z4754 #2

SCANS 1550 TO 2700



Quantitation Report File: Z4754

Data: Z4754.TI
5/18/90 16:56:00
ample: CLP,,,SSTD50,,,22658,B,CC-050,,,1UL,
Conds.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
Formula: Instrument: Z Weight: 0.012
Submitted by: VERSAR Analyst: BLCK Acct. No.: ___

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	CI40 NAPHTHALENE-D8**INT. STD.#2**
3	CI50 ACENAPHTHENE-D10**INT. STD.#3**
4	CI60 PHENANTHRENE-D10**INT. STD.#4**
5	CI70 CHRYSENE-D12**INT. STD.#5**
6	CI75 PERYLENE-D12**INT. STD.#6**
7	CS50 2-FLUOROPHENOL**ACID SURR.**
8	CS45 PHENOL-D5**ACID SURR.**
9	CS20 NITROBENZENE-D5**BN SURR.**
10	CS25 2-FLUOROBIPHENYL**BN SURR.**
11	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
12	CS30 P-TERPHENYL-D14**BN SURR.**
13	C330 2-CHLOROPHENOL
14	C315 PHENOL
15	C325 BIS (2-CHLOROETHYL) ETHER
16	C335 1,3-DICHLOROBENZENE
7	C340 1,4-DICHLOROBENZENE
18	C350 1,2-DICHLOROBENZENE
19	C345 BENZYL ALCOHOL
20	C360 BIS (2-CHLOROISOPROPYL) ETHER
21	C355 2-METHYLPHENOL
22	C375 HEXACHLOROETHANE
23	C365 4-METHYLPHENOL
24	C370 N-NITROSO-DI-N-PROPYLAMINE
25	C410 NITROBENZENE
26	C415 ISOPHORONE
27	C420 2-NITROPHENOL
28	C425 2,4-DIMETHYLPHENOL
29	C435 BIS (2-CHLOROETHOXY) METHANE
30	C440 2,4-DICHLOROPHENOL
31	C445 1,2,4-TRICHLOROBENZENE
32	C450 NAPHTHALENE
33	C430 BENZOIC ACID
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROBUTADIENE
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	C510 HEXACHLOROCYCLOPENTADIENE
39	C515 2,4,6-TRICHLOROPHENOL
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLORONAPHTHALENE
42	C530 2-NITROANILINE
43	C540 ACENAPHTHYLENE
44	C535 DIMETHYL PHTHALATE
45	C544 2,6-DINITROTOLUENE
46	C550 ACENAPHTHENE
47	C545 3-NITROANILINE

No	Name
48	C555 2,4-DINITROPHENOL
49	C565 DIBENZOFURAN
50	C560 4-NITROPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	531	8:51	1	1.000	A BB	27741.	40.000	NG/UL	1.06
2	136	749	12:29	2	1.000	A BB	88830.	40.000	NG/UL	1.06
3	164	1081	18:01	3	1.000	A BB	51497.	40.000	NG/UL	1.06
4	188	1365	22:45	4	1.000	A BV	80288.	40.000	NG/UL	1.06
5	240	1879	31:19	5	1.000	A BB	56834.	40.000	NG/UL	1.06
6	264	2191	36:31	6	1.000	A BV	47100.	40.000	NG/UL	1.06
7	112	353	5:53	1	0.665	A BB	41698.	50.000	NG*A1	1.32
8	99	480	8:00	1	0.904	A BB	53116.	50.000	NG*A2	1.32
9	82	629	10:29	2	0.840	A BB	56608.	50.000	NG*B1	1.32
10	172	954	15:54	3	0.883	A BB	90027.	50.000	NG*B2	1.32
11	330	1234	20:34	3	1.142	A BB	11883.	50.000	NG*A3	1.32
12	244	1679	27:59	5	0.894	A BB	58694.	50.000	NG*B3	1.32
13	128	503	8:23	1	0.947	A BB	45203.	50.000	NG.	1.32
14	94	482	8:02	1	0.908	A BV	53439.	50.000	NG.	1.32
15	93	497	8:17	1	0.936	A VV	49979.	50.000	NG	1.32
16	146	525	8:45	1	0.989	A BB	50900.	50.000	NG	1.32
17	146	533	8:53	1	1.004	A BB	52349.	50.000	NG.	1.32
18	146	563	9:23	1	1.060	A BB	49876.	50.000	NG	1.32
19	108	557	9:17	1	1.049	A BV	24992.	50.000	NG	1.32
20	45	582	9:42	1	1.096	A BB	78793.	50.000	NG	1.32
21	108	576	9:36	1	1.085	A BB	38236.	50.000	NG	1.32
22	117	612	10:12	1	1.153	A BB	26179.	50.000	NG	1.32
23	108	600	10:00	1	1.130	A BB	38729.	50.000	NG	1.32
24	70	607	10:07	1	1.143	A BB	44466.	50.000	NG.	1.32
25	77	632	10:32	2	0.844	A BB	63882.	50.000	NG	1.32
26	82	670	11:10	2	0.895	A BB	111267.	50.000	NG	1.32
27	139	686	11:26	2	0.916	A BB	30132.	50.000	NG	1.32
28	107	692	11:32	2	0.924	A BB	49369.	50.000	NG	1.32
29	93	712	11:52	2	0.951	A BB	72294.	50.000	NG	1.32
30	162	725	12:05	2	0.968	A BB	40565.	50.000	NG	1.32
31	180	741	12:21	2	0.989	A BB	43502.	50.000	NG.	1.32
32	128	753	12:33	2	1.005	A BB	147105.	50.000	NG	1.32
33	122	711	11:51	2	0.949	A BB	17769.	50.000	NG	1.32
34	127	769	12:49	2	1.027	A BB	45843.	50.000	NG	1.32
35	225	783	13:03	2	1.045	A BB	26396.	50.000	NG	1.32
36	107	856	14:16	2	1.143	A BB	47896.	50.000	NG.	1.32
37	142	879	14:39	2	1.174	A BB	80813.	50.000	NG	1.32
38	237	920	15:20	3	0.851	A BB	22161.	50.000	NG	1.32
39	196	938	15:38	3	0.868	A BV	25609.	50.000	NG	1.32
40	196	944	15:44	3	0.873	A VB	26352.	50.000	NG	1.32
41	162	971	16:11	3	0.898	A BB	84251.	50.000	NG	1.32
42	65	1002	16:42	3	0.927	A BB	32081.	50.000	NG	1.32
43	152	1052	17:32	3	0.973	A BB	134340.	50.000	NG	1.32
44	163	1042	17:22	3	0.964	A BB	94226.	50.000	NG	1.32
45	165	1057	17:37	3	0.978	A BB	19487.	50.000	NG	1.32
46	153	1087	18:07	3	1.006	A BB	87534.	50.000	NG.	1.32
47	138	1082	18:02	3	1.001	A BV	8678.	50.000	NG	1.32
48	184	1100	18:20	3	1.018	A BB	9135.	50.000	NG	1.32
49	168	1117	18:37	3	1.033	A BB	118182.	50.000	NG	1.32
50	109	1111	18:31	3	1.028	A BV	13385.	50.000	NG.	1.32

24754

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:01	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:45	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	31:19	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	36:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:53	1.00	0.665	1.00	50.00	50.00	1.202	1.202	1.00
8	8:00	1.00	0.904	1.00	50.00	50.00	1.532	1.532	1.00
9	10:29	1.00	0.840	1.00	50.00	50.00	0.510	0.510	1.00
10	15:54	1.00	0.883	1.00	50.00	50.00	1.399	1.399	1.00
11	20:34	1.00	1.142	1.00	50.00	50.00	0.185	0.185	1.00
12	27:59	1.00	0.894	1.00	50.00	50.00	0.826	0.826	1.00
13	8:23	1.00	0.947	1.00	50.00	50.00	1.304	1.304	1.00
14	8:02	1.00	0.908	1.00	50.00	50.00	1.541	1.541	1.00
15	8:17	1.00	0.936	1.00	50.00	50.00	1.441	1.441	1.00
16	8:45	1.00	0.989	1.00	50.00	50.00	1.468	1.468	1.00
17	8:53	1.00	1.004	1.00	50.00	50.00	1.510	1.510	1.00
18	9:23	1.00	1.060	1.00	50.00	50.00	1.438	1.438	1.00
19	9:17	1.00	1.049	1.00	50.00	50.00	0.721	0.721	1.00
20	9:42	1.00	1.096	1.00	50.00	50.00	2.272	2.272	1.00
21	9:36	1.00	1.085	1.00	50.00	50.00	1.103	1.103	1.00
22	10:12	1.00	1.153	1.00	50.00	50.00	0.755	0.755	1.00
23	10:00	1.00	1.130	1.00	50.00	50.00	1.117	1.117	1.00
24	10:07	1.00	1.143	1.00	50.00	50.00	1.282	1.282	1.00
25	10:32	1.00	0.844	1.00	50.00	50.00	0.575	0.575	1.00
26	11:10	1.00	0.895	1.00	50.00	50.00	1.002	1.002	1.00
27	11:26	1.00	0.916	1.00	50.00	50.00	0.271	0.271	1.00
28	11:32	1.00	0.924	1.00	50.00	50.00	0.445	0.445	1.00
29	11:52	1.00	0.951	1.00	50.00	50.00	0.651	0.651	1.00
30	12:05	1.00	0.968	1.00	50.00	50.00	0.365	0.365	1.00
31	12:21	1.00	0.989	1.00	50.00	50.00	0.392	0.392	1.00
32	12:33	1.00	1.005	1.00	50.00	50.00	1.325	1.325	1.00
33	11:51	1.00	0.949	1.00	50.00	50.00	0.160	0.160	1.00
34	12:49	1.00	1.027	1.00	50.00	50.00	0.413	0.413	1.00
35	13:03	1.00	1.045	1.00	50.00	50.00	0.238	0.238	1.00
36	14:16	1.00	1.143	1.00	50.00	50.00	0.431	0.431	1.00
37	14:39	1.00	1.174	1.00	50.00	50.00	0.728	0.728	1.00
38	15:20	1.00	0.851	1.00	50.00	50.00	0.344	0.344	1.00
39	15:38	1.00	0.868	1.00	50.00	50.00	0.398	0.398	1.00
40	15:44	1.00	0.873	1.00	50.00	50.00	0.409	0.409	1.00
41	16:11	1.00	0.898	1.00	50.00	50.00	1.309	1.309	1.00
42	16:42	1.00	0.927	1.00	50.00	50.00	0.498	0.498	1.00
43	17:32	1.00	0.973	1.00	50.00	50.00	2.087	2.087	1.00
44	17:22	1.00	0.964	1.00	50.00	50.00	1.464	1.464	1.00
45	17:37	1.00	0.978	1.00	50.00	50.00	0.303	0.303	1.00
46	18:07	1.00	1.006	1.00	50.00	50.00	1.360	1.360	1.00
47	18:02	1.00	1.001	1.00	50.00	50.00	0.135	0.135	1.00
48	18:20	1.00	1.018	1.00	50.00	50.00	0.142	0.142	1.00
49	18:37	1.00	1.033	1.00	50.00	50.00	1.836	1.836	1.00
50	18:31	1.00	1.028	1.00	50.00	50.00	0.208	0.208	1.00

Z4754

200183

Quantitation Report File: Z4754

Data: Z4754.TI
[illegible]/18/90 16:56:00
[illegible]mple: CLP,,,SSTD50,,,22658,B,CC-050,,,1UL,
Conds.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
Formula: Instrument: Z Weight: 0.012
Submitted by: VERSAR Analyst: BLCK Acct. No.: ___

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

No	Name
51	C570 2,4-DINITROTOLUENE
52	C590 FLUORENE
53	C585 4-CHLOROPHENYL-PHENYLETHER
54	C580 DIETHYLPHTHALATE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYLPHENOL
[illegible]7	C615 N-NITROSODIPHENYLAMINE
[illegible]8	C625 4-BROMOPHENYL-PHENYLETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C650 DI-N-BUTYLPHTHALATE
64	C655 FLUORANTHENE
65	C715 PYRENE
66	C720 BUTYLBENZYLPHTHALATE
[illegible]	C730 BENZO(A)ANTHRACENE
68	C740 CHRYSENE
69	C725 3,3'-DICHLOROBENZIDINE
70	C741 BIS(2-ETHYLHEXYL)PHTHALATE
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
[illegible]	C775 BENZO(A)PYRENE
[illegible]3	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1130	18:50	3	1.045	A BB	23574.	50.000 NG.	1.32
52	166	1184	19:44	3	1.095	A BB	83563.	50.000 NG	1.32
53	204	1185	19:45	3	1.096	A BB	43268.	50.000 NG	1.32
54	149	1177	19:37	3	1.089	A BV	100354.	50.000 NG	1.32
55	138	1200	20:00	3	1.110	A BB	11230.	50.000 NG	1.32
56	198	1206	20:06	4	0.884	A BB	12611.	50.000 NG	1.32
57	169	1211	20:11	4	0.887	A BB	50167.	50.000 NG	1.32
58	248	1278	21:18	4	0.936	A BB	22469.	50.000 NG	1.32
59	284	1304	21:44	4	0.955	A BB	25498.	50.000 NG	1.32
60	266	1340	22:20	4	0.982	A BB	12985.	50.000 NG.	1.32
61	178	1369	22:49	4	1.003	A BV	112234.	50.000 NG	1.32
62	178	1378	22:58	4	1.010	A VB	114790.	50.000 NG	1.32
[illegible]	149	1491	24:51	4	1.092	A BB	136235.	50.000 NG	1.32
[illegible]	202	1602	26:42	4	1.174	A BV	99870.	50.000 NG	1.32
65	202	1646	27:26	5	0.876	A BV	102124.	50.000 NG.	1.32
66	149	1782	29:42	5	0.948	A BB	55021.	50.000 NG	1.32

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
67	228	1876	31:16	5	0.998	A BV	70342.	50.000 NG	1.32
68	228	1884	31:24	5	1.003	A VB	57581.	50.000 NG	1.32
69	252	1875	31:15	5	0.998	A BB	12213.	50.000 NG	1.32
70	149	1888	31:28	5	1.005	A BB	83356.	50.000 NG	1.32
71	149	2001	33:21	6	0.913	A BB	133881.	50.000 NG	1.32
72	252	2093	34:53	6	0.955	A BV	67914.	50.000 NG	1.32
73	252	2099	34:59	6	0.958	A VB	60826.	50.000 NG	1.32
74	252	2176	36:16	6	0.993	A BB	61261.	50.000 NG	1.32
75	276	2551	42:31	6	1.164	A BB	57178.	50.000 NG	1.32
76	278	2559	42:39	6	1.168	A BB	47954.	50.000 NG	1.32
77	276	2661	44:21	6	1.215	A BB	50194.	50.000 NG	1.32

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	18:50	1.00	1.045	1.00	50.00	50.00	0.366	0.366	1.00
52	19:44	1.00	1.095	1.00	50.00	50.00	1.298	1.298	1.00
53	19:45	1.00	1.096	1.00	50.00	50.00	0.672	0.672	1.00
54	19:37	1.00	1.089	1.00	50.00	50.00	1.559	1.559	1.00
[illegible]	20:00	1.00	1.110	1.00	50.00	50.00	0.174	0.174	1.00
[illegible]	20:06	1.00	0.884	1.00	50.00	50.00	0.126	0.126	1.00
57	20:11	1.00	0.887	1.00	50.00	50.00	0.500	0.500	1.00
58	21:18	1.00	0.936	1.00	50.00	50.00	0.224	0.224	1.00
59	21:44	1.00	0.955	1.00	50.00	50.00	0.254	0.254	1.00
60	22:20	1.00	0.982	1.00	50.00	50.00	0.129	0.129	1.00
61	22:49	1.00	1.003	1.00	50.00	50.00	1.118	1.118	1.00
62	22:58	1.00	1.010	1.00	50.00	50.00	1.144	1.144	1.00
63	24:51	1.00	1.092	1.00	50.00	50.00	1.357	1.357	1.00
64	26:42	1.00	1.174	1.00	50.00	50.00	0.995	0.995	1.00
5	27:26	1.00	0.876	1.00	50.00	50.00	1.438	1.438	1.00
66	29:42	1.00	0.948	1.00	50.00	50.00	0.774	0.774	1.00
67	31:16	1.00	0.998	1.00	50.00	50.00	0.990	0.990	1.00
68	31:24	1.00	1.003	1.00	50.00	50.00	0.811	0.811	1.00
69	31:15	1.00	0.998	1.00	50.00	50.00	0.172	0.172	1.00
70	31:28	1.00	1.005	1.00	50.00	50.00	1.173	1.173	1.00
71	33:21	1.00	0.913	1.00	50.00	50.00	2.274	2.274	1.00
[illegible]	34:53	1.00	0.955	1.00	50.00	50.00	1.154	1.154	1.00
[illegible]	34:59	1.00	0.958	1.00	50.00	50.00	1.033	1.033	1.00
74	36:16	1.00	0.993	1.00	50.00	50.00	1.041	1.041	1.00
75	42:31	1.00	1.164	1.00	50.00	50.00	0.971	0.971	1.00
76	42:39	1.00	1.168	1.00	50.00	50.00	0.815	0.815	1.00
77	44:21	1.00	1.215	1.00	50.00	50.00	0.853	0.853	1.00

24754

8B
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4

Lab File ID (Standard): T2598 Date Analyzed: 05/15/90

Instrument ID: T Time Analyzed: 2257

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	8000	8.99	27500	12.65	21500	18.20
	UPPER LIMIT	16000		55000		43000	
	LOWER LIMIT	4000		13750		10750	
	EPA SAMPLE NO.						
01	10	7940	8.94	24500	12.60	17600	18.17
02	4	9830	8.99	31700	12.65	27000	18.20
03	9	7760	8.99	23900	12.65	17900	18.20
04	SBLK03	10400	8.99	33300	12.65	26100	18.20

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

FORM VIII SV-1 1/87 Rev.

8C
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4

Lab File ID (Standard): T2598 Date Analyzed: 05/15/90

Instrument ID: T Time Analyzed: 2257

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	48400	22.94	47300	31.57	39200	36.62
	UPPER LIMIT	96800		94600		78400	
	LOWER LIMIT	24200		23650		19600	
	EPA SAMPLE NO.						
01	10	42400	22.89	41400	31.56	40800	36.69
02	4	47500	22.94	41200	31.59	42000	36.69
03	9	34600	22.94	33800	31.61	33800	36.71
04	SBLK03	56100	22.92	49400	31.52	46800	36.56

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

FORM VIII SV-2 1/87 Rev.

8B
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4

Lab File ID (Standard): T2624 Date Analyzed: 05/16/90

Instrument ID: T Time Analyzed: 1701

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	21200	8.90	67100	12.57	45500	18.10
	UPPER LIMIT	42400		134200		91000	
	LOWER LIMIT	10600		33550		22750	
	EPA SAMPLE NO.						
01	11	21700	8.94	66000	12.59	44500	18.14

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

FORM VIII SV-1 1/87 Rev. 200188

8C
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4

Lab File ID (Standard): T2624 Date Analyzed: 05/16/90

Instrument ID: T Time Analyzed: 1701

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	110000	22.84	130000	31.46	121000	36.44
	UPPER LIMIT	220000		260000		242000	
	LOWER LIMIT	55000		65000		60500	
	EPA SAMPLE NO.						
01	11	103000	22.85	129000	31.47	100000	36.46

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

FORM VIII SV-2 1/87 Rev.

8B

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

I Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4_CDM

Lab File ID (Standard): T2726 Date Analyzed: 05/23/90

Instrument ID: T Time Analyzed: 1204

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	32700	8.54	101000	12.15	68200	17.65
	UPPER LIMIT	65400		202000		136400	
	LOWER LIMIT	16350		50500		34100	
	EPA SAMPLE NO.						
01	12	32500	8.59	141000	12.20	96900	17.70
02	13	47400	8.54	143000	12.15	96900	17.67
03	14	48500	8.57	147000	12.19	100000	17.69
04	15	49100	8.57	152000	12.19	102000	17.69
05	SBLK00	33800	8.52	103000	12.15	68200	17.65

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

FORM VIII SV-1 1/87 Rev.

200190

8C
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

I Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4_CDM

Lab File ID (Standard): T2726 Date Analyzed: 05/23/90

Instrument ID: T Time Analyzed: 1204

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	135000	22.35	113000	30.94	97300	35.59
	UPPER LIMIT	270000		226000		194600	
	LOWER LIMIT	67500		56500		48650	
	EPA SAMPLE NO.						
01	12	185000	22.32	157000	30.84	154000	35.46
02	13	188000	22.37	148000	30.97	134000	35.66
03	14	198000	22.39	161000	30.97	144000	35.66
04	15	199000	22.37	163000	30.97	152000	35.64
05	SBLK00	132000	22.34	99500	30.94	88800	35.59

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

FORM VIII SV-2 1/87 Rev.

8B
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

I Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4_CDM

Lab File ID (Standard): T2767 Date Analyzed: 05/25/90

Instrument ID: T Time Analyzed: 848

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	24400	8.40	77200	12.02	51200	17.50
	UPPER LIMIT	48800		154400		102400	
	LOWER LIMIT	12200		38600		25600	
	EPA SAMPLE NO.						
01	8	30000	8.44	92100	12.04	61100	17.54

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

FORM VIII SV-1 1/87 Rev.

8C
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

I Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4_CDM

Lab File ID (Standard): T2767 Date Analyzed: 05/25/90

Instrument ID: T Time Analyzed: 848

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	99500	22.17	83300	30.76	72700	35.31
	UPPER LIMIT	199000		166600		145400	
	LOWER LIMIT	49750		41650		36350	
	EPA SAMPLE NO.						
01	8	117000	22.20	94900	30.79	84600	35.37

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

FORM VIII SV-2 1/87 Rev.

8B
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 04

Lab File ID (Standard): Z4754 Date Analyzed: 05/18/90

Instrument ID: Z Time Analyzed: 1656

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	27700	8.85	88800	12.49	51500	18.02
	UPPER LIMIT	55400		177600		103000	
	LOWER LIMIT	13850		44400		25750	
	EPA SAMPLE NO.						
01	GW1	34300	8.84	92100	12.47	51600	18.00
02	SBLK62	36900	8.84	102000	12.47	58800	18.02

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

FORM VIII SV-1 1/87 Rev.

8C
SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 04

Lab File ID (Standard): Z4754 Date Analyzed: 05/18/90

Instrument ID: Z Time Analyzed: 1656

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	80300	22.75	56800	31.32	47100	36.52
	UPPER LIMIT	160600		113600		94200	
	LOWER LIMIT	40150		28400		23550	
	EPA SAMPLE NO.						
01	GW1	86100	22.74	45700	31.32	33700	36.57
02	SBLK62	96600	22.75	54200	31.34	40000	36.59

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

FORM VIII SV-2 1/87 Rev.

Versar INC.

V. RAW QC DATA

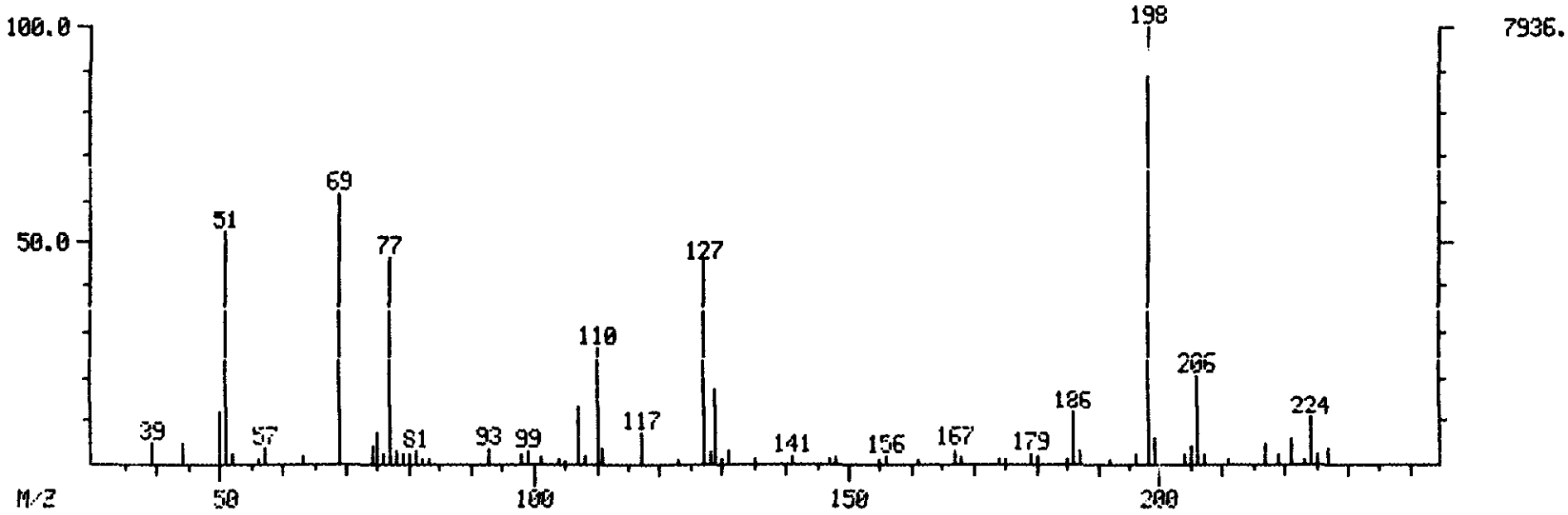
MASS SPECTRUM
05/14/90 17:23:00 + 9:21
SAMPLE: DFTPP 50NG 1UL
CONDS.: INSTRUMENT T COLUMN: RESTEK 30M RTX-5 1MIN@50C TO 300C @ 25C/MIN

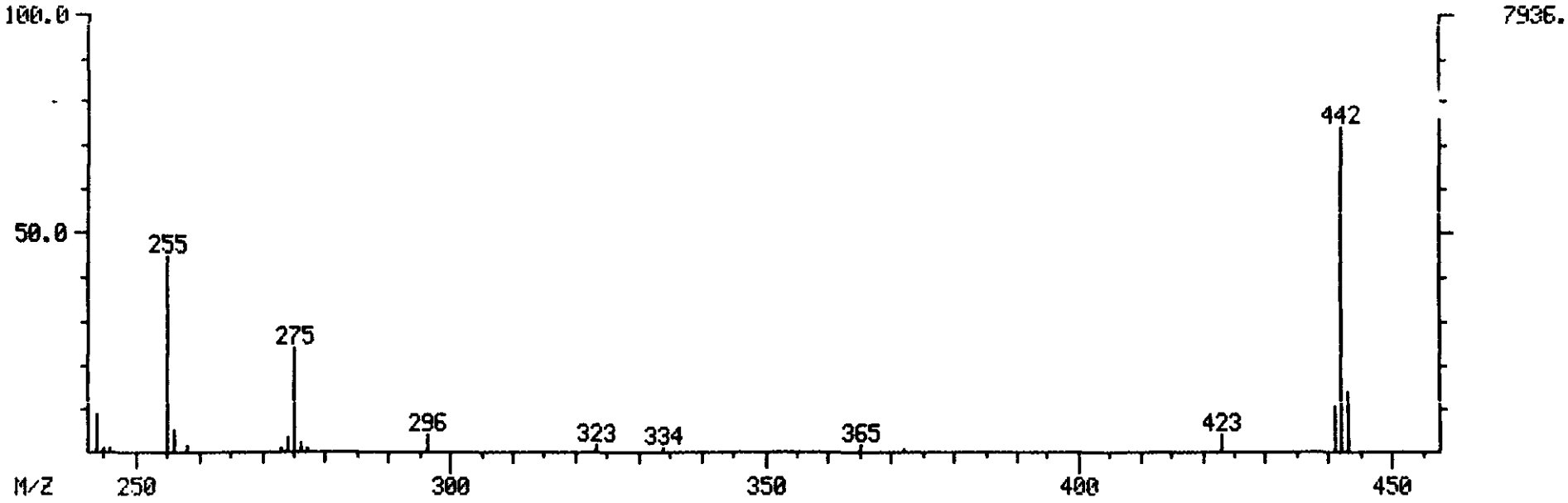
DATA: T2568 #561
CALI: T2568 #2

BASE M/Z: 198
RIC: 61248.

200197

#561 TO #562 SUMMED





Mass List Data: T2568 # 561 Base m/z: 198
05/14/90 17:23:00 + 9:21 Cali: T2568 # 2 RIC: 61218.
Sample: DFTPP 50NG 1UL
Conds.: INSTRUMENT T COLUMN: RESTEK 30M RTX-5 1MIN@50C TO 300C @ 25C/MIN
#561 to #562 Summed

39 0.00 0.00 0. Minima Min inten: 0.
443 # 0 Maxima

Mass	% RA	% RIC	Inten.	Mass	% RA	% RIC	Inten.
39.00?	4.64	0.60	368.	186.00	12.03	1.56	955.
44.00?	5.08	0.66	403.	187.00	3.20	0.41	254.
50.00?	11.86	1.54	941.	192.00	0.92	0.12	73.
51.00?	52.92	6.86	4200.	196.00	2.33	0.30	185.
52.00?	2.48	0.32	197.	198.00	100.00	12.96	7936
56.00?	1.41	0.18	112.	199.00	5.97	0.77	474.
57.00?	3.77	0.49	299.	204.00	2.33	0.30	185.
63.00?	1.73	0.22	137.	205.00	4.11	0.53	326.
69.00	61.79	8.01	4904.	206.00	20.46	2.65	1624.
74.00	3.96	0.51	314.	207.00	2.51	0.32	199.
75.00	7.02	0.91	557.	211.00	1.01	0.13	80
76.00	2.24	0.29	178.	217.00	4.80	0.62	381.
77.00	46.87	6.07	3720.	219.00	2.62	0.34	208
78.00	3.00	0.39	238.	221.00	5.93	0.77	471.
79.00	2.48	0.32	197.	223.00	1.13	0.15	90.
80.00	2.10	0.27	167.	224.00	10.80	1.40	857.
81.00	3.28	0.42	260.	225.00	2.52	0.33	200
82.00	0.95	0.12	75.	227.00	3.55	0.46	282.
83.00	0.96	0.12	76.	244.00	8.86	1.15	703.
93.00	3.73	0.48	296.	245.00	1.06	0.14	84.
98.00	2.58	0.33	205.	246.00	1.25	0.16	99.
99.00	2.71	0.35	215.	255.00	45.01	5.83	3572.
101.00	1.84	0.24	146.	256.00	5.68	0.74	451.
104.00	0.95	0.12	75.	258.00	1.84	0.24	146.
105.00	0.88	0.11	70.	273.00	1.17	0.15	93.
107.00	13.31	1.72	1056.	274.00	3.88	0.50	308.
108.00	1.90	0.25	151.	275.00	23.89	3.10	1896.
110.00	26.21	3.40	2080.	276.00	2.68	0.35	213.
111.00	3.57	0.46	283.	277.00	1.44	0.19	114.
117.00	7.27	0.94	577.	296.00	4.07	0.53	323.
123.00	1.11	0.14	88.	323.00	1.78	0.23	141.
127.00	45.41	5.88	3604.	334.00	1.08	0.14	86.
128.00	3.21	0.42	255.	365.00	2.00	0.26	159.
129.00	17.64	2.29	1400.	372.00	0.88	0.11	70.
130.00	1.23	0.16	98.	423.00	4.47	0.58	355.
131.00	3.29	0.43	261.	441.00	10.92	1.42	867.
135.00	1.31	0.17	104.	442.00	74.19	9.61	5888.
141.00	1.63	0.21	129.	443.00	13.89	1.80	1102.
147.00	0.96	0.12	76.				
148.00	1.84	0.24	146.				
155.00	1.02	0.13	81.				
156.00	1.69	0.22	134.				
161.00	0.95	0.12	75.				
167.00	3.45	0.45	274.				
168.00	1.75	0.23	139.				
174.00	0.91	0.12	72.				
175.00	1.30	0.17	103.				
179.00	2.62	0.34	208.				
180.00	1.81	0.24	144.				
185.00	1.16	0.15	92.				

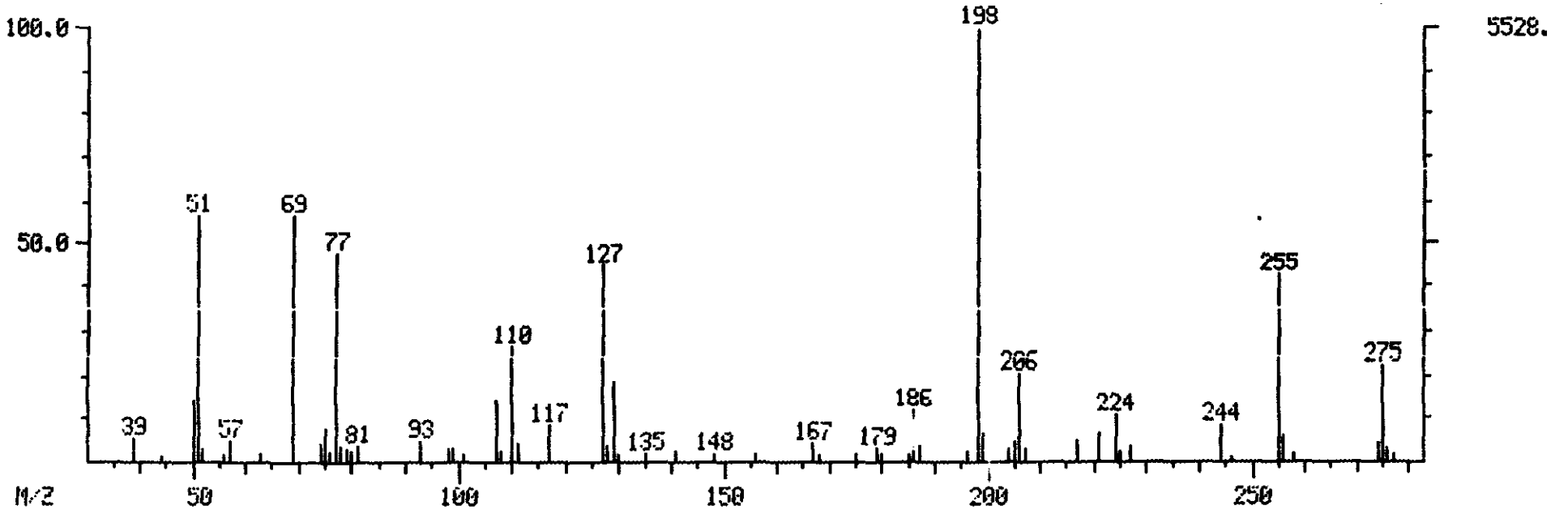
MASS SPECTRUM
05/15/90 22:40:00 + 9:13
SAMPLE: DFTPP 50NG 1UL
CONDS.· INSTRUMENT T COLUMN: RESTEK 30M RTX-5 1MIN@50C TO 300C @ 25C/MIN

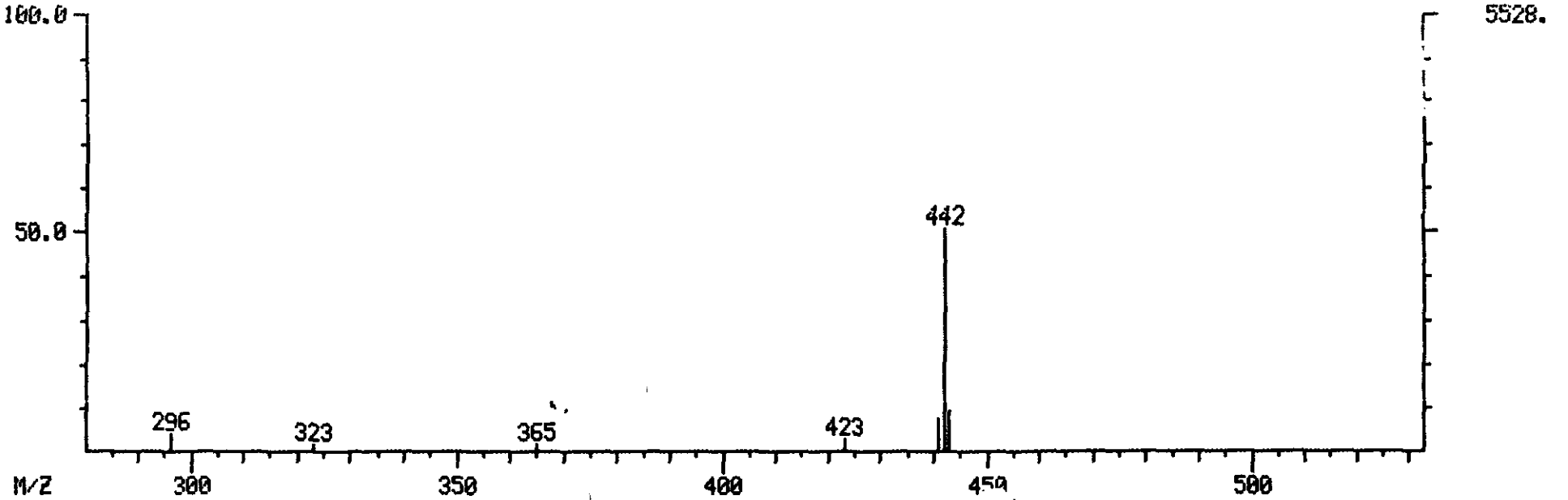
DATA: T2597 #553
CALI: T2597 #2

BASE M/Z: 198
RIC: 40768.

200199

#553





Mass List Data: T2597 # 553 Base m/z: 198
05/15/90 22:40:00 + 9:13 Cali: T2597 # 2 RIC: 40768.
Sample: DFTPP 50NG 1UL
Conds.: INSTRUMENT T COLUMN: RESTEK 30M RTX-5 1MIN@50C TO 300C @ 25C/MIN
#553

39 0.00 0.00 0. Minima Min inten: 0.
443 # 0 Maxima

Mass	% RA	% RIC	Inten.
39.00?	5.59	0.76	309.
44.00?	1.39	0.19	77.
50.00?	14.22	1.93	786.
51.00?	57.02	7.73	3152.
52.00?	2.84	0.39	157.
56.00?	1.72	0.23	95.
57.00?	4.72	0.64	261.
63.00?	2.01	0.27	111.
69.00	56.66	7.68	3132.
74.00	4.27	0.58	236.
75.00	7.49	1.02	414.
76.00	2.44	0.33	135.
77.00	47.90	6.50	2648.
78.00	3.36	0.46	186.
79.00	2.97	0.40	164.
80.00	2.44	0.33	135.
81.00	3.85	0.52	213.
93.00	4.69	0.64	259.
98.00	3.08	0.42	170.
99.00	3.17	0.43	175.
101.00	1.81	0.25	100.
107.00	14.56	1.97	805.
108.00	2.15	0.29	119.
110.00	26.16	3.55	1446.
111.00	4.14	0.56	229.
117.00	8.09	1.10	447.
127.00	44.93	6.09	2484.
128.00	3.44	0.47	190.
129.00	18.67	2.53	1032.
130.00	1.72	0.23	95.
135.00	1.57	0.21	87.
141.00	2.10	0.28	116.
148.00	2.06	0.28	114.
156.00	1.94	0.26	107.
167.00	4.14	0.56	229.
168.00	1.94	0.26	107.
175.00	1.54	0.21	85.
179.00	2.86	0.39	158.
180.00	2.06	0.28	114.
185.00	1.57	0.21	87.
186.00	12.23	1.66	676.
187.00	3.53	0.48	195.
196.00	2.68	0.36	148.
198.00	100.00	13.56	5528.
199.00	6.73	0.91	372.
204.00	2.71	0.37	150.
205.00	4.81	0.65	266.
206.00	20.22	2.74	1118.
207.00	2.79	0.38	154.
217.00	5.05	0.68	279.
221.00	6.55	0.89	362.
224.00	10.80	1.46	597.
225.00	2.68	0.36	148.
227.00	3.87	0.52	214.
244.00	8.29	1.12	458.
246.00	1.39	0.19	77.
255.00	42.62	5.78	2354.
256.00	6.15	0.83	340.
258.00	2.06	0.28	114.
274.00	4.43	0.60	245.
275.00	22.03	2.99	1218
276.00	2.89	0.39	160.
277.00	1.61	0.22	89.
296.00	4.43	0.60	245.
323.00	1 74	0.24	96
365.00	1.95	0.26	108.
423.00	3.15	0.43	174.
441.00	7.71	1.04	426.
442.00	50.65	6.87	2800.
443.00	9.52	1.29	526.

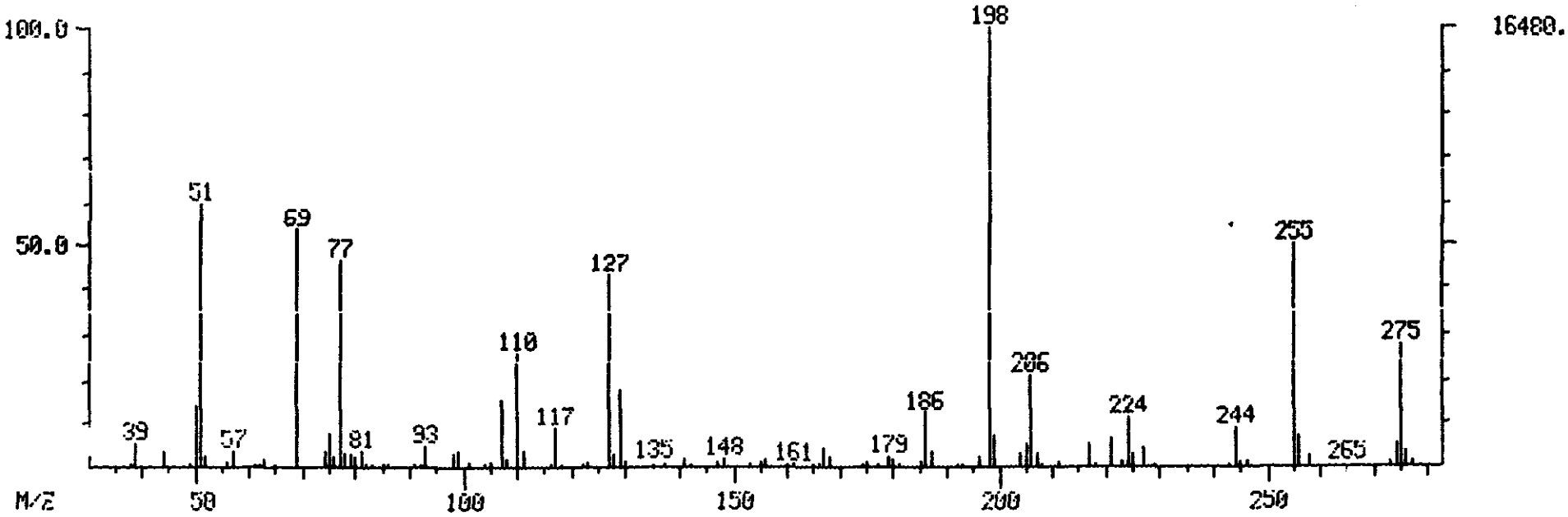
200200

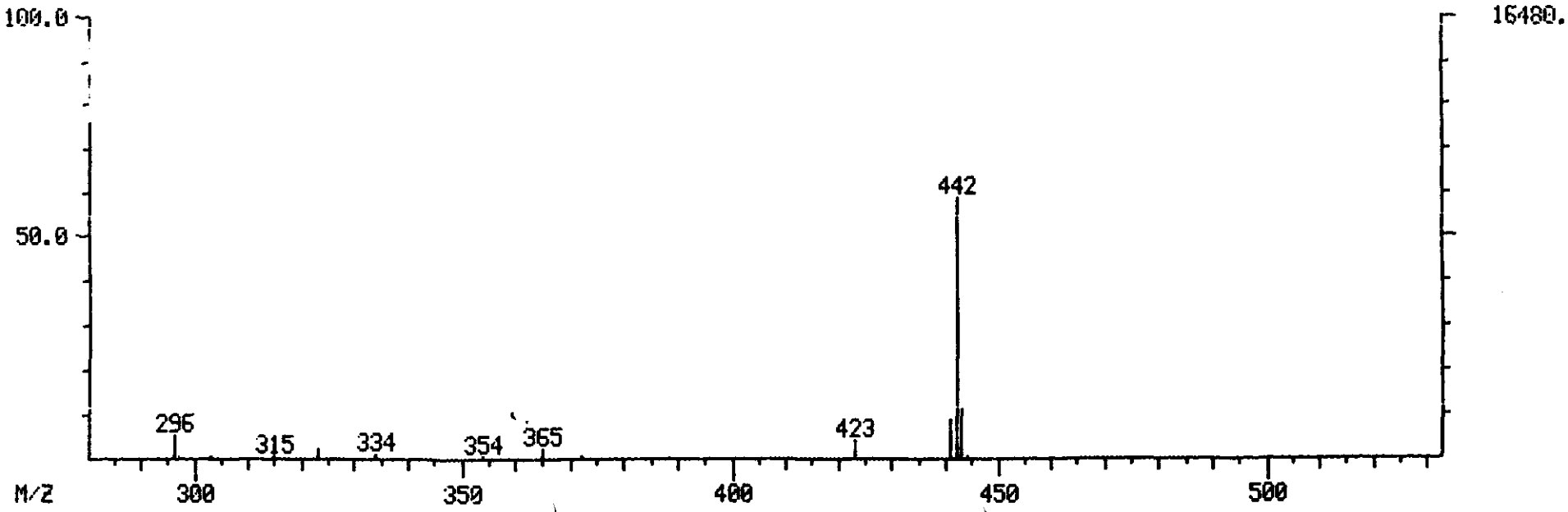
MASS SPECTRUM
05/16/90 16:44:00 + 8:44
SAMPLE: CLP,,,SSTD50,,,22658,6,CC050,,,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30200C/MIN

DATA: T2623 #524
CALI: T2621 #2

BASE M/Z: 198
RIC: 131584.

#524 TO #525 SUMMED





Mass List Data: T2623 # 524 Base m/z: 198
05/16/90 16:44:00 + 8:44 Cali: T2621 # 2 RIC: 131594.
Sample: CLP,,,SSTD50,,,22658,B,CC050,,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
#524 to #525 Summed

38 0.00 0.00 0. Minima Min inten: 107.
444 # 0 Maxima

Mass	% RA	% RIC	Inten.	Mass	% RA	% RIC	Inten.
38.00?	0.69	0.09	114.	167.00	4.05	0.51	668.
39.00?	5.35	0.67	882.	168.00	2.58	0.32	425.
44.00?	3.88	0.49	640.	174.00	0.73	0.09	121.
50.00?	14.44	1.81	2380.	175.00	1.32	0.16	217.
51.00?	59.81	7.49	9856.	177.00	0.66	0.08	109.
52.00?	2.58	0.32	425.	179.00	2.68	0.34	442.
56.00?	1.47	0.18	242.	180.00	1.61	0.20	265.
57.00?	3.46	0.43	571.	181.00	0.81	0.10	134.
63.00?	1.78	0.22	294.	185.00	1.24	0.16	205.
65.00?	0.78	0.10	129.	186.00	12.86	1.61	2120.
69.00	54.08	6.77	8912.	187.00	3.79	0.47	624.
74.00	3.60	0.45	594.	192.00	0.79	0.10	131
75.00	7.55	0.95	1244.	193.00	0.79	0.10	130.
76.00	2.22	0.28	366.	196.00	2.14	0.27	352.
77.00	46.84	5.87	7720.	198.00	100.00	12.52	16480.
78.00	2.96	0.37	488.	199.00	6.94	0.87	1144.
79.00	2.85	0.36	470.	204.00	2.83	0.35	466.
80.00	2.12	0.27	349.	205.00	5.12	0.64	844.
81.00	3.66	0.46	603.	206.00	20.68	2.59	3408.
82.00	0.78	0.10	129.	207.00	2.89	0.36	477.
83.00	0.78	0.10	128.	211.00	1.06	0.13	174
86.00	0.86	0.11	142.	217.00	5.30	0.66	873.
92.00	0.69	0.09	114.	221.00	6.53	0.82	1076.
93.00	4.84	0.61	797.	223.00	1.03	0.13	170.
98.00	3.11	0.39	513.	224.00	11.35	1.42	1870.
99.00	3.58	0.45	590.	225.00	2.85	0.36	470.
101.00	1.45	0.18	239.	227.00	4.39	0.55	724.
104.00	0.81	0.10	134.	229.00	0.73	0.09	120.
105.00	0.96	0.12	158.	244.00	9.16	1.15	1510.
107.00	15.29	1.92	2520.	245.00	0.96	0.12	159.
108.00	1.81	0.23	299.	246.00	1.22	0.15	201.
110.00	25.97	3.25	4280.	255.00	50.49	6.32	8320
111.00	3.82	0.48	629.	256.00	7.23	0.91	1192.
117.00	8.83	1.11	1456.	258.00	2.29	0.29	378.
118.00	0.71	0.09	117.	265.00	0.69	0.09	114
123.00	1.09	0.14	179.	273.00	1.23	0.15	203.
127.00	43.25	5.42	7128.	274.00	5.33	0.67	879.
128.00	2.82	0.35	464.	275.00	27.43	3.44	4520.
129.00	17.84	2.23	2940.	276.00	3.54	0.44	583.
130.00	1.35	0.17	222.	277.00	1.47	0.18	243.
135.00	1.21	0.15	199.	296.00	5.63	0.71	928.
137.00	0.70	0.09	116.	323.00	2.49	0.31	410.
141.00	1.72	0.22	284.	334.00	1.06	0.13	174.
142.00	0.66	0.08	108.	365.00	2.42	0.30	399.
147.00	1.01	0.13	166.	372.00	0.87	0.11	144.
148.00	1.71	0.21	281.	423.00	3.95	0.49	651.
155.00	0.95	0.12	156.	441.00	9.15	1.15	1508.
156.00	1.57	0.20	258.	442.00	58.83	7.37	9696.
161.00	0.84	0.11	139.	443.00	11.38	1.43	1876.
166.00	0.65	0.08	107.				

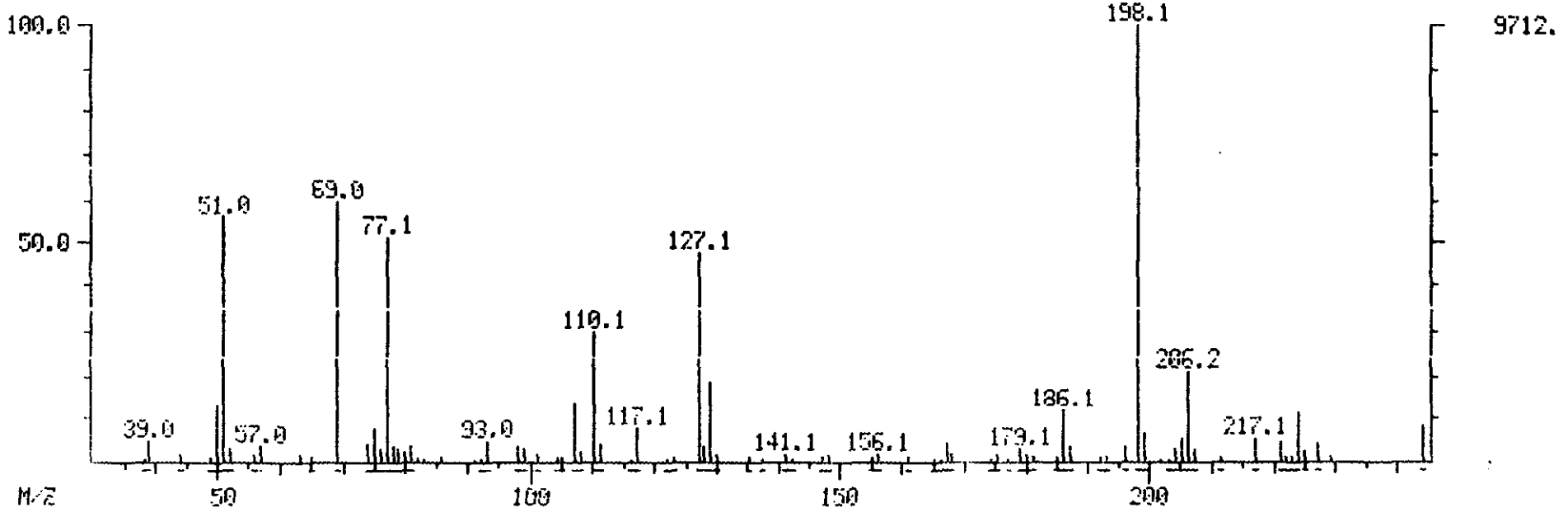
200202

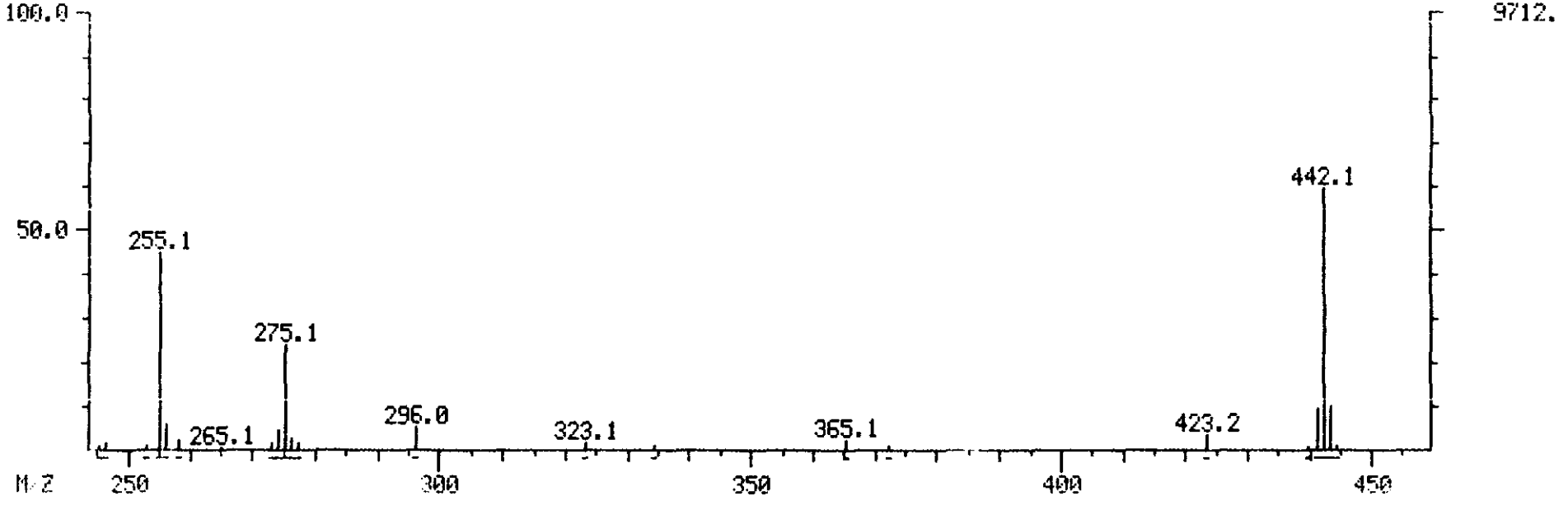
MASS SPECTRUM
05/18/90 14:41:00 + 9:35
SAMPLE: DFTPP 50NG 1UL
CONDS.: INSTRUMENT T COLUMN: RESTEK 30M RTX-5 1MIN@50C TO 300C @ 25C/MIN

DATA: T2656 #575
CALI: T2656 #2

BASE M/Z: 198
RIC: 77952.

200203





Mass List
05/18/90 14:41:00 + 9:35
Sample: DFTPP 50NG 1UL
Conds.: INSTRUMENT T COLUMN: RESTEK 30M RTX-5 1MIN@50C TO 300C @ 25C/MIN

Data: T2656 # 575
Cali: T2656 # 2

Base m/z: 198
RIC: 77952.

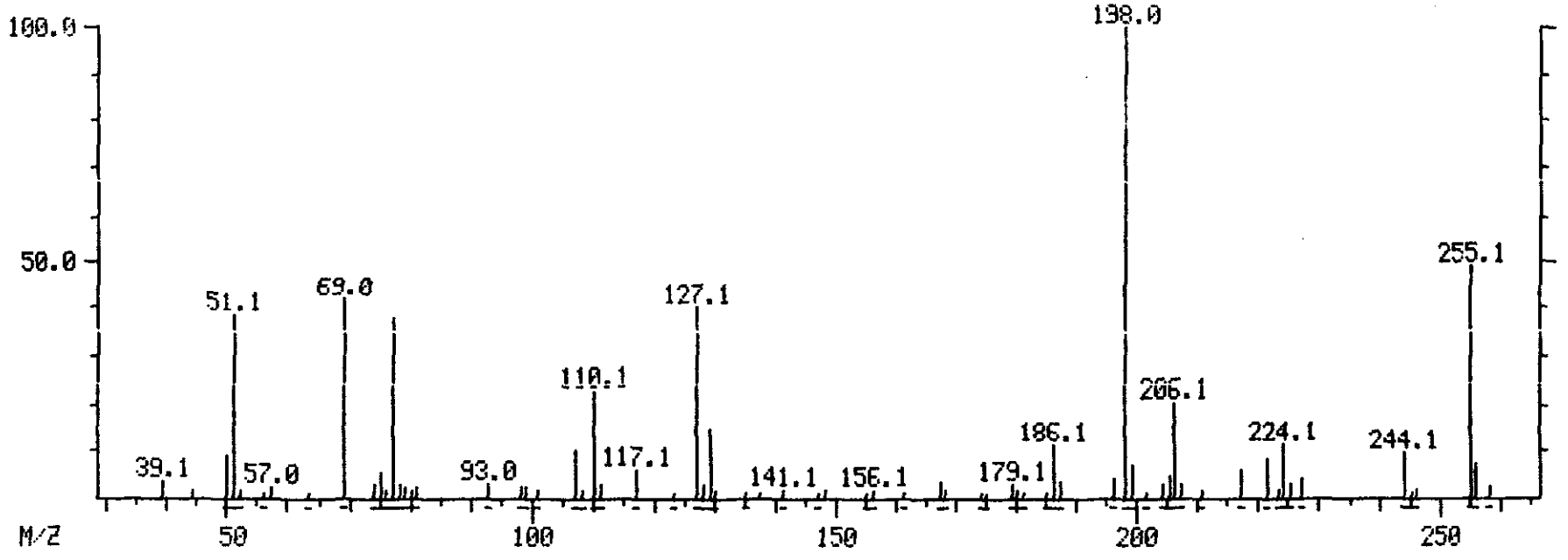
38	0.00	0.00	0.	Minima	Min inten:	77.		
444			# 0	Maxima				
Mass	% RA	% RIC	Inten.	Mass		% RA	% RIC	Inten.
39.02?F	5.08	0.63	493.	174.14 F		0.80	0.10	78.
43.98?F	1.98	0.25	192.	175.14 F		1.55	0.19	151.
49.00?F	0.98	0.12	95.	177.08 F		0.82	0.10	80.
50.00?F	13.08	1.63	1270.	179.08 F		2.99	0.37	290.
51.04?F	56.10	6.99	5448.	180.12 F		2.00	0.25	194.
52.07?F	2.91	0.36	283.	181.09 F		0.97	0.12	94.
56.03?F	1.63	0.20	158.	185.12 F		1.45	0.18	141.
57.02?F	3.83	0.48	372.	186.14 F		12.19	1.52	1184.
63.07?	1.93	0.24	187.	187.12 F		3.42	0.43	332.
65.09?F	1.01	0.13	98.	192.12 F		0.92	0.11	89.
68.99 F	59.88	7.46	5816.	193.14 F		0.99	0.12	96.
74.05 F	4.30	0.54	418.	196.08 F		3.66	0.46	355.
75.05 F	7.80	0.97	758.	198.06 F		100.00	12.46	9712.
76.09 F	2.93	0.37	285.	199.08 F		6.47	0.81	628.
77.08 F	51.40	6.40	4992.	204.12 F		2.94	0.37	285.
78.07 F	3.33	0.41	323.	205.14 F		5.30	0.66	515.
79.03 F	2.93	0.37	285.	206.16 F		21.21	2.64	2060.
80.05 F	2.57	0.32	250.	207.17 F		2.75	0.34	267.
81.05 F	3.79	0.47	368.	211.28 F		1.31	0.16	127.
82.03	1.01	0.13	98.	217.06 F		5.13	0.64	498.
83.04	0.89	0.11	86.	221.06 F		4.86	0.61	472.
86.04	0.91	0.11	88.	221.95 F		1.36	0.17	132.
91.05	0.80	0.10	78.	223.12 F		1.40	0.17	136.
92.06 F	0.83	0.10	81.	224.12 F		11.26	1.40	1094.
93.04 F	4.55	0.57	442.	225.14 F		2.67	0.33	259.
98.06 F	3.33	0.41	323.	227.08 F		4.42	0.55	429.
99.05 F	3.17	0.40	308.	229.08		1.08	0.13	105.
101.05 F	1.93	0.24	187.	244.12 F		8.35	1.04	811.
104.07 F	1.00	0.12	97.	245.16 F		0.99	0.12	96.
105.07 F	1.02	0.13	99.	246.11 F		1.50	0.19	146.
107.06 F	13.57	1.69	1318.	252.80 F		1.12	0.14	109.
108.08 F	2.24	0.28	218.	255.08 F		44.81	5.58	4352.
110.05 F	30.07	3.75	2920.	256.12 F		6.07	0.76	590.
111.08 F	4.25	0.53	413.	258.12 F		2.36	0.29	229.
117.05 F	7.67	0.96	745.	265.09		0.85	0.11	83.
123.09 F	1.25	0.16	121.	273.12 F		1.62	0.20	157.
127.07 F	47.69	5.94	4632.	274.12 F		4.53	0.56	440.
128.09 F	3.57	0.45	347.	275.12 F		23.89	2.98	2320.
129.06 F	18.78	2.34	1824.	276.16 F		2.84	0.35	276.
130.08 F	1.82	0.23	177.	277.12 F		1.73	0.22	168.
135.08 F	1.45	0.18	141.	296.03 F		5.16	0.64	501.
137.19 F	0.90	0.11	87.	323.06 F		1.97	0.25	191.
141.09 F	1.80	0.22	175.	334.16 F		0.94	0.12	91.
142.14 F	0.85	0.11	83.	365.06 F		2.19	0.27	213.
147.05 F	1.00	0.12	97.	372.19 F		0.91	0.11	88.
148.06 F	1.94	0.24	188.	423.16 F		3.46	0.43	336.
155.12 F	1.25	0.16	121.	439.75 F		0.79	0.10	77.
156.12 F	1.84	0.23	179.	441.12 F		9.85	1.23	957.
161.11 F	0.99	0.12	96.	442.12 F		59.47	7.41	5776.
167.14 F	3.91	0.49	380.	443.16 F		10.22	1.27	993.
168.12 F	1.84	0.23	179.	444.16 F		0.93	0.12	90.

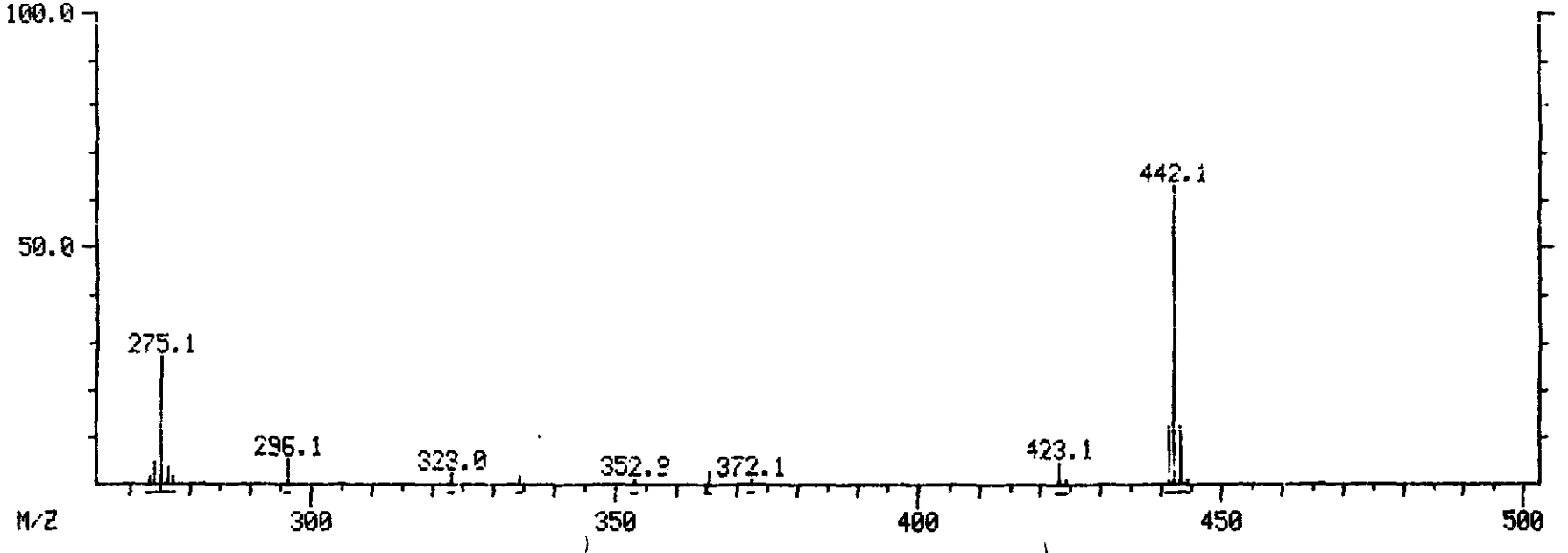
200204

MASS SPECTRUM
05/23/90 11:39:00 + 9:14
SAMPLE: DFTPP 50NG 1UL
CONDS.: INSTRUMENT T COLUMN: RESTEK 30M RTX-5 1MIN@50C TO 300C @ 25C/MIN

DATA: T2725 #554
CALI: T2725 #2

BASE M/Z: 198
RIC: 51200.





00205

Mass List Data: T2725 # 554 Base m/z: 198
05/23/90 11:39:00 + 9:14 Cali: T2725 # 2 RIC: 51200.
Sample: DFTPP 50NG 1UL
onds.: INSTRUMENT T COLUMN: RESTEK 30M RTX-5 1MIN@50C TO 300C @ 25C/MIN

39 0.00 0.00 0. Minima Min inten: 0.
444 # 0 Maxima

Mass	% RA	% RIC	Inten.	Mass		% RA	% RIC	Inten.
39.05?	3.32	0.46	238.	199.05	F	7.27	1.02	521.
44.00?	2.09	0.29	150.	201.58	F	1.03	0.14	74.
50.05?F	9.26	1.30	664.	204.11	F	2.94	0.41	211.
51.05?F	38.34	5.37	2748.	205.12	F	4.99	0.70	358.
52.06?F	2.02	0.28	145.	206.12	F	20.40	2.86	1462.
56.04?F	1.21	0.17	87.	207.11	F	2.90	0.41	208.
57.02?	2.54	0.36	182.	210.78	F	1.73	0.24	124.
63.09?F	1.31	0.18	94.	217.05	F	6.04	0.85	433.
69.02 F	42.02	5.88	3012.	221.17	F	8.68	1.21	622.
74.06 F	3.25	0.46	233.	223.08	F	1.59	0.22	114.
75.05 F	5.47	0.77	392.	224.09	F	11.38	1.59	816.
76.10 F	1.93	0.27	138.	225.11	F	3.08	0.43	221.
77.09 F	37.67	5.27	2700.	227.05	F	4.48	0.63	321.
78.10 F	2.73	0.38	196.	244.11	F	9.64	1.35	691.
79.05 F	2.19	0.31	157.	245.12	F	1.44	0.20	103.
80.04 F	1.88	0.26	135.	246.08	F	1.62	0.23	116.
81.08 F	2.68	0.37	192.	255.06	F	48.88	6.84	3504.
93.03 F	3.24	0.45	232.	256.12	F	6.95	0.97	498.
98.05 F	2.41	0.34	173.	258.06	F	2.46	0.34	176.
99.05 F	2.34	0.33	168.	273.09	F	1.80	0.25	129.
101.05 F	1.51	0.21	108.	274.12	F	5.06	0.71	363.
107.06 F	10.31	1.44	739.	275.09	F	26.67	3.73	1912.
108.08 F	1.81	0.25	130.	276.12	F	3.36	0.47	241.
110.05 F	22.96	3.21	1646.	277.09	F	1.99	0.28	143.
111.06 F	3.03	0.42	217.	296.06	F	5.47	0.77	392.
117.05 F	6.18	0.87	443.	323.03	F	2.50	0.35	179.
123.05 F	1.19	0.17	85.	334.16	F	1.52	0.21	109.
127.05 F	40.23	5.63	2884.	352.87	F	1.13	0.16	81.
128.09 F	3.25	0.46	233.	365.06	F	3.06	0.43	219.
129.06 F	15.09	2.11	1082.	372.09	F	1.21	0.17	87.
130.08 F	1.59	0.22	114.	423.12	F	4.59	0.64	329.
135.06 F	1.30	0.18	93.	424.28	F	1.02	0.14	73.
137.37	1.05	0.15	75.	441.09	F	11.79	1.65	845.
141.06 F	1.60	0.22	115.	442.09	F	62.83	8.80	4504.
147.09 F	1.00	0.14	72.	443.12	F	11.80	1.65	846.
148.08	1.80	0.25	129.	444.19	F	1.17	0.16	84.
155.09 F	1.13	0.16	81.					
156.14 F	1.74	0.24	125.					
161.12 F	1.02	0.14	73.					
167.08 F	3.89	0.54	279.					
168.06 F	1.77	0.25	127.					
174.14 F	1.05	0.15	75.					
175.11 F	1.41	0.20	101.					
179.06 F	2.85	0.40	204.					
180.11 F	1.81	0.25	130.					
181.08 F	1.07	0.15	77.					
185.08 F	1.49	0.21	107.					
186.11 F	11.30	1.58	810.					
187.09 F	3.31	0.46	237.					
196.05 F	3.98	0.56	285.					
198.05 F	100.00	14.00	7168.					

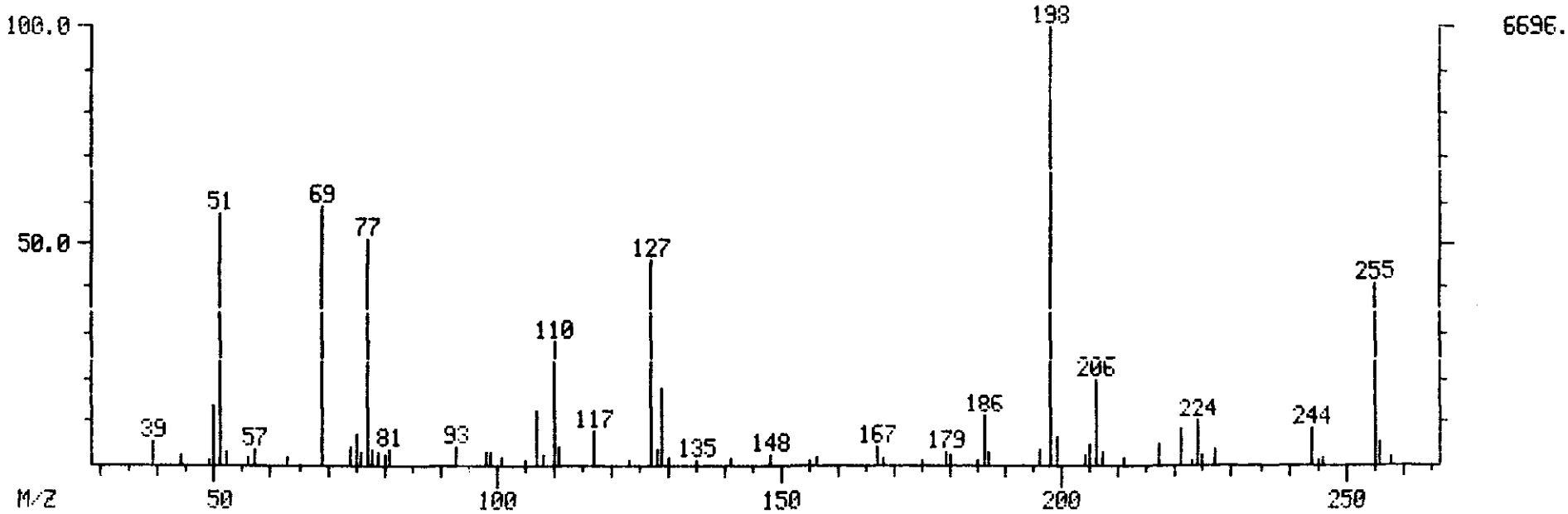
MASS SPECTRUM
05/25/90 8:11:00 + 9:14
SAMPLE: DFTPP 50NG 1UL
CONDS.: INSTRUMENT T COLUMN: RESTEK 30M RTX-5 1MIN@50C TO 300C @ 25C/MIN

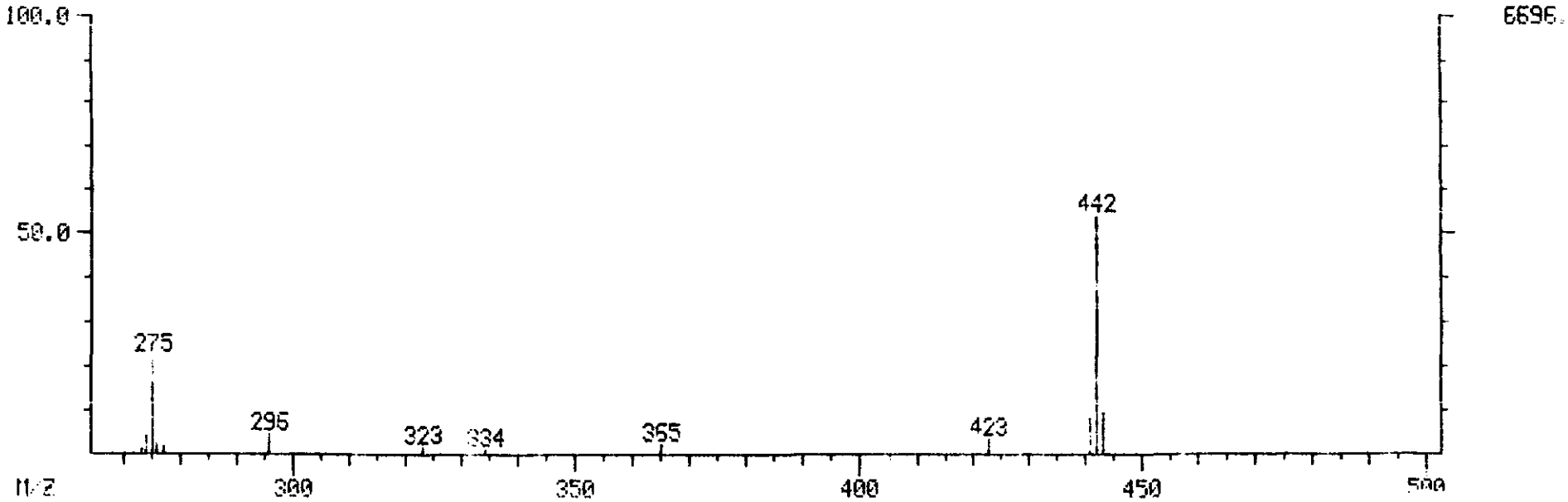
DATA: T2766 #554
CALI: T2766 #2

BASE M/Z: 198
RIC: 50624.

000207

#554





Mass List Data: T2766 # 554 Base m/z: 198
05/25/90 8:11:00 + 9:14 Cali: T2766 # 2 RIC: 50624.
Sample: DFTPP 50NG 1UL
Conds.: INSTRUMENT T COLUMN: RESTEK 30M RTX-5 1MIN@50C TO 300C @ 25C/MIN
#554

39 0.00 0.00 0. Minima Min inten: 0.
443 # 0 Maxima

Mass	% RA	% RIC	Inten.	Mass	% RA	% RIC	Inten.
39.00?	5.20	0.69	348.	205.00	4.91	0.65	329.
44.00?	2.51	0.33	168.	206.00	19.68	2.60	1318.
49.00?	1.19	0.16	80.	207.00	2.75	0.36	184.
50.00?	13.49	1.78	903.	211.00	1.81	0.24	121.
51.00?	57.47	7.60	3848.	217.00	4.69	0.62	314.
52.00?	2.94	0.39	197.	221.00	8.26	1.09	553.
56.00?	1.51	0.20	101.	223.00	1.37	0.18	92.
57.00?	3.87	0.51	259.	224.00	10.08	1.33	675.
63.00?	2.09	0.28	140.	225.00	2.61	0.35	175.
69.00	59.08	7.81	3956.	227.00	3.87	0.51	259.
74.00	4.02	0.53	269.	244.00	8.60	1.14	576.
75.00	7.35	0.97	492.	245.00	1.25	0.17	84.
76.00	2.78	0.37	186.	246.00	1.52	0.20	102.
77.00	51.49	6.81	3448.	255.00	40.62	5.37	2720.
78.00	3.49	0.46	234.	256.00	5.62	0.74	376.
79.00	3.00	0.40	201.	258.00	1.93	0.25	129.
80.00	2.33	0.31	156.	273.00	1.42	0.19	95.
81.00	3.49	0.46	234.	274.00	4.38	0.58	293.
93.00	4.33	0.57	290.	275.00	22.31	2.95	1494.
98.00	3.09	0.41	207.	276.00	2.81	0.37	188.
99.00	2.78	0.37	186.	277.00	1.61	0.21	108.
101.00	1.79	0.24	120.	296.00	4.81	0.64	322.
105.00	1.12	0.15	75.	323.00	1.72	0.23	115.
107.00	12.84	1.70	860.	334.00	1.15	0.15	77.
108.00	2.17	0.29	145.	365.00	2.37	0.31	159.
110.00	27.90	3.69	1868.	423.00	3.38	0.45	226.
111.00	4.06	0.54	272.	441.00	8.12	1.07	544.
117.00	7.50	0.99	502.	442.00	53.76	7.11	3600.
123.00	1.31	0.17	88.	443.00	9.47	1.25	634.
127.00	46.95	6.21	3144				
128.00	3.60	0.48	241.				
129.00	17.74	2.35	1188.				
130.00	1.52	0.20	102.				
135.00	1.45	0.19	97.				
141.00	1.96	0.26	131.				
148.00	2.12	0.28	142.				
155.00	1.11	0.15	74.				
156.00	1.76	0.23	118.				
167.00	4.03	0.53	270.				
168.00	1.66	0.22	111.				
175.00	1.40	0.19	94.				
179.00	2.78	0.37	186.				
180.00	2.12	0.28	142.				
185.00	1.48	0.20	99.				
186.00	11.41	1.51	764.				
187.00	3.11	0.41	208.				
196.00	3.63	0.48	243.				
198.00	100.00	13.23	6696.				
199.00	6.62	0.88	443.				
204.00	2.63	0.35	176.				

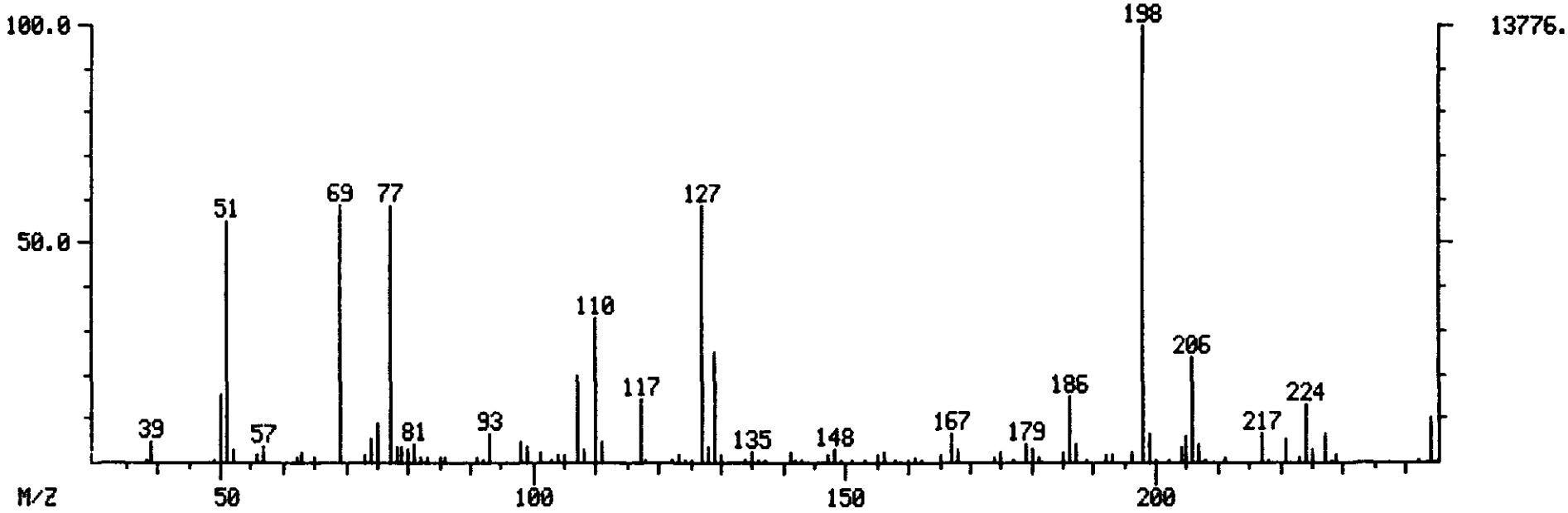
200209

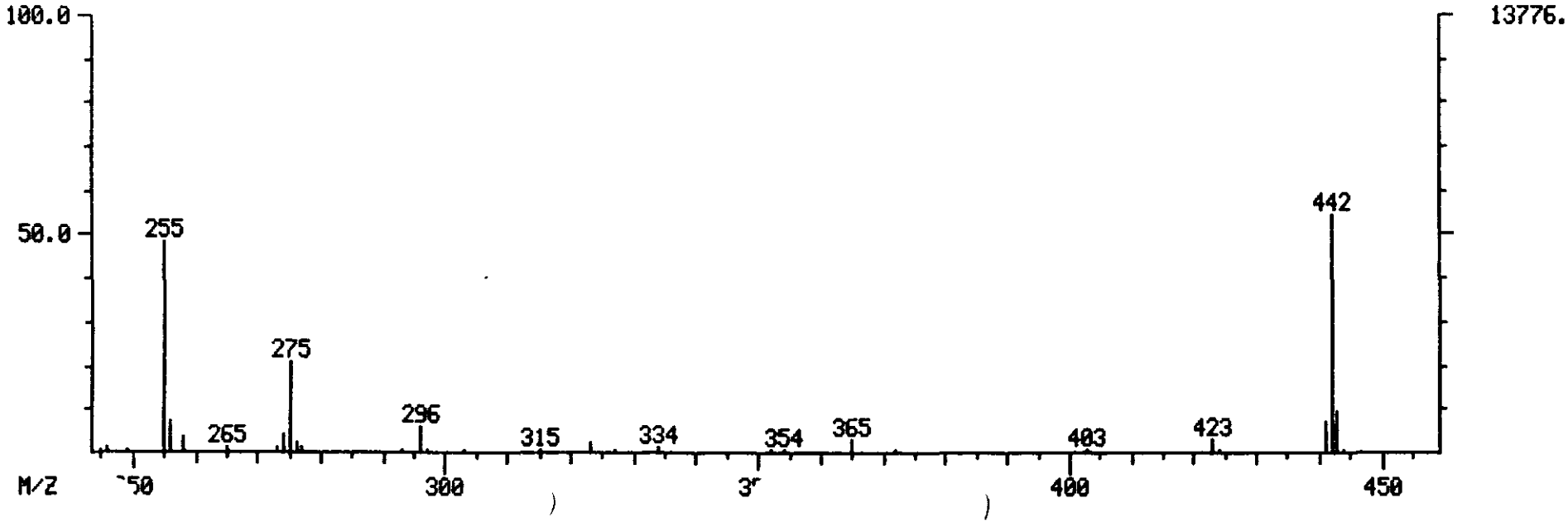
MASS SPECTRUM
05/15/90 11:20:00 + 7:11
SAMPLE: DFTPP 50NG 1UL
CONDS.: INSTRUMENT Z COLUMN: RESTEK 30M RTX-5 1MIN@50C TO 300C @ 25C/MIN

DATA: Z4712 #431
CALI: Z4712 #2

BASE M/Z: 198
RIC: 123904.

#429 TO #433 SUMMED





Mass List Data: Z4712 # 431 Base m/z: 198
05/15/90 11:20:00 + 7:11 Cali: Z4712 # 2 RIC: 123904.
Sample: DFTPP 50NG 1UL
Conds.: INSTRUMENT Z COLUMN: RESTEK 30M RTX-5 1MIN@50C TO 300C @ 25C/MIN
#429 to #433 Summed

38 0.00 0.00 0. Minima Min inten: 106.
444 # 0 Maxima

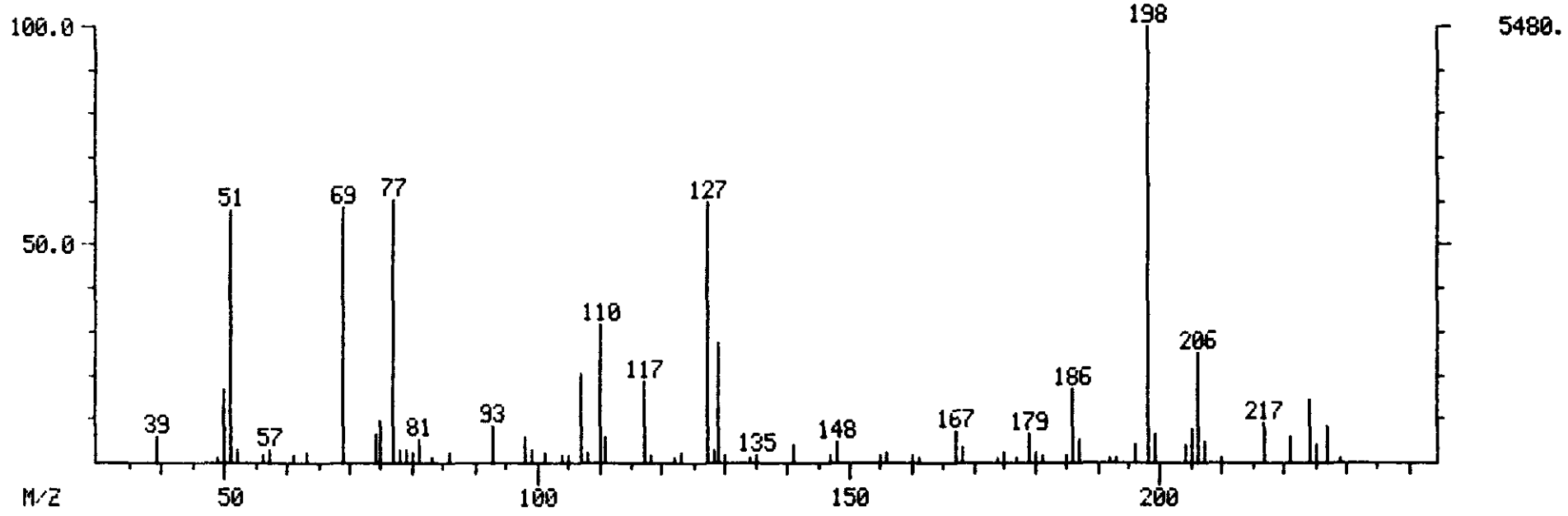
Mass	% RA	% RIC	Inten.	Mass	% RA	% RIC	Inten.
39.00?	4.86	0.54	670.	161.00	1.45	0.16	200.
50.00?	15.68	1.74	2160.	165.00	1.58	0.18	218.
51.00?	55.34	6.15	7624.	167.00	6.58	0.73	906.
52.00?	2.87	0.32	396.	168.00	2.89	0.32	398.
56.00?	1.95	0.22	268.	174.00	1.34	0.15	184.
57.00?	3.64	0.40	501.	175.00	2.10	0.23	289.
62.00?	1.09	0.12	150.	177.00	0.78	0.09	108.
63.00?	2.26	0.25	311.	179.00	4.25	0.47	585.
65.00?	1.23	0.14	170.	180.00	2.80	0.31	386.
69.00	58.42	6.50	8048.	181.00	0.96	0.11	132.
73.00	1.50	0.17	207.	185.00	2.14	0.24	295.
74.00	5.22	0.58	719.	186.00	14.92	1.66	2056.
75.00	8.86	0.98	1220.	187.00	4.12	0.46	567.
77.00	58.88	6.55	8112.	192.00	1.53	0.17	211.
78.00	3.80	0.42	523.	193.00	1.55	0.17	214.
79.00	3.30	0.37	455.	196.00	2.61	0.29	360.
80.00	2.93	0.33	404.	198.00	100.00	11.12	13776.
81.00	4.21	0.47	580.	199.00	6.49	0.72	894.
82.00	1.21	0.13	167.	204.00	3.32	0.37	458.
83.00	1.31	0.15	181.	205.00	5.87	0.65	809.
85.00	1.16	0.13	160.	206.00	23.81	2.65	3280.
86.00	1.32	0.15	182.	207.00	3.93	0.44	541.
91.00	1.36	0.15	187.	211.00	1.08	0.12	149.
93.00	6.34	0.71	874.	217.00	6.71	0.75	925.
98.00	4.89	0.54	674.	221.00	5.63	0.63	775.
99.00	3.81	0.42	525.	223.00	0.98	0.11	135.
101.00	2.50	0.28	345.	224.00	12.88	1.43	1774.
104.00	1.51	0.17	208.	225.00	3.01	0.33	415.
105.00	1.52	0.17	209.	227.00	6.61	0.73	910.
107.00	19.63	2.18	2704.	229.00	1.57	0.17	216.
108.00	2.72	0.30	375.	244.00	9.94	1.11	1370.
110.00	32.75	3.64	4512.	245.00	0.83	0.09	115.
111.00	4.67	0.52	643.	246.00	1.42	0.16	195.
117.00	14.36	1.60	1978.	255.00	48.49	5.39	6680.
122.00	0.82	0.09	113.	256.00	7.30	0.81	1005.
123.00	1.86	0.21	256.	258.00	3.73	0.41	514.
127.00	58.42	6.50	8048.	265.00	1.01	0.11	139.
128.00	3.87	0.43	533.	273.00	1.26	0.14	174.
129.00	24.88	2.77	3428.	274.00	4.21	0.47	580.
130.00	2.06	0.23	284.	275.00	21.23	2.36	2924.
135.00	2.45	0.27	338.	276.00	2.62	0.29	361.
137.00	0.78	0.09	107.	277.00	1.41	0.16	194.
141.00	2.69	0.30	371.	296.00	6.20	0.69	854.
142.00	0.77	0.09	106.	323.00	2.64	0.29	363.
147.00	1.87	0.21	257.	334.00	1.20	0.13	166.
148.00	3.16	0.35	436.	365.00	2.76	0.31	380.
153.00	0.82	0.09	113.	423.00	3.14	0.35	432.
155.00	1.79	0.20	246.	441.00	7.24	0.81	998.
156.00	2.67	0.30	368.	442.00	54.76	6.09	7544.
160.00	0.85	0.09	117.	443.00	9.61	1.07	1324.

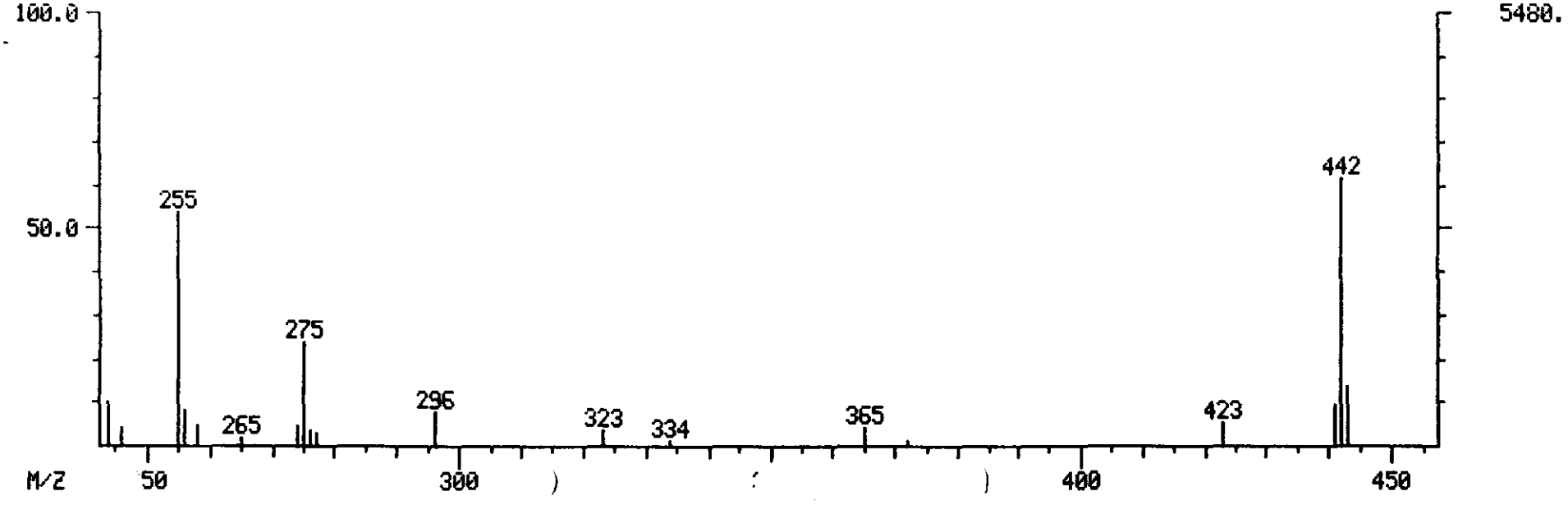
MASS SPECTRUM
05/18/90 16:36:00 + 5:30
SAMPLE: DFTPP 50NG 1UL
CONDS.: INSTRUMENT Z COLUMN: RESTEK 30M RTX-5 1MIN@50C TO 300C @ 25C/MIN

DATA: Z4753 #330
CALI: Z4753 #2

BASE M/Z: 198
RIC: 51776.

#330 TO #331 SUMMED





200211

Mass List Data: Z4753 # 330 Base m/z: 198
05/18/90 16:36:00 + 5:30 Cali: Z4753 # 2 RIC: 51776.
Sample: DFTPP 50NG 1UL
Cmnds.: INSTRUMENT Z COLUMN: RESTEK 30M RTX-5 1MIN@50C TO 300C @ 25C/MIN
#330 to #331 Summed

39 0.00 0.00 0. Minima Min inten: 0.
443 # 0 Maxima

Mass	% RA	% RIC	Inten.	Mass	% RA	% RIC	Inten.
39.00?	6.04	0.64	331.	177.00	1.33	0.14	73.
49.00?	1.37	0.14	75.	179.00	6.42	0.68	352.
50.00?	16.93	1.79	928.	180.00	2.35	0.25	129.
51.00?	58.10	6.15	3184.	181.00	1.90	0.20	104.
52.00?	3.19	0.34	175.	185.00	2.08	0.22	114.
56.00?	1.73	0.18	95.	186.00	16.53	1.75	906.
57.00?	3.25	0.34	178.	187.00	5.51	0.58	302.
61.00?	1.66	0.18	91.	192.00	1.31	0.14	72.
63.00?	2.59	0.27	142.	193.00	1.42	0.15	78.
69.00	58.39	6.18	3200.	196.00	4.01	0.42	220.
74.00	6.64	0.70	364.	198.00	100.00	10.58	5480.
75.00	9.56	1.01	524.	199.00	6.82	0.72	374.
77.00	60.73	6.43	3328.	204.00	4.27	0.45	234.
78.00	3.19	0.34	175.	205.00	7.74	0.82	424.
79.00	2.86	0.30	157.	206.00	25.07	2.65	1374.
80.00	2.63	0.28	144.	207.00	4.74	0.50	260.
81.00	5.53	0.59	303.	210.00	1.28	0.14	70.
83.00	1.37	0.14	75.	217.00	8.92	0.94	489.
86.00	2.59	0.27	142.	221.00	6.11	0.65	335.
93.00	8.12	0.86	445.	224.00	14.65	1.55	803.
98.00	6.24	0.66	342.	225.00	3.92	0.42	215.
99.00	3.21	0.34	176.	227.00	8.56	0.91	469.
101.00	2.68	0.28	147.	229.00	1.31	0.14	72.
104.00	1.79	0.19	98.	244.00	10.27	1.09	563.
105.00	1.57	0.17	86.	246.00	4.05	0.43	222.
107.00	20.51	2.17	1124.	255.00	53.94	5.71	2956.
108.00	2.30	0.24	126.	256.00	8.25	0.87	452.
110.00	31.75	3.36	1740.	258.00	4.76	0.50	261.
111.00	6.00	0.64	329.	265.00	1.70	0.18	93.
117.00	18.54	1.96	1016.	274.00	4.87	0.52	267.
118.00	1.55	0.16	85.	275.00	23.76	2.51	1302.
122.00	1.33	0.14	73.	276.00	3.52	0.37	193.
123.00	2.15	0.23	118.	277.00	3.03	0.32	166.
127.00	59.64	6.31	3268.	296.00	7.90	0.84	433.
128.00	3.18	0.34	174.	323.00	3.38	0.36	185.
129.00	27.59	2.92	1512.	334.00	1.33	0.14	73.
130.00	1.99	0.21	109.	365.00	4.29	0.45	235.
134.00	1.31	0.14	72.	372.00	1.33	0.14	73.
135.00	1.79	0.19	98.	423.00	5.35	0.57	293.
141.00	4.12	0.44	226.	441.00	9.65	1.02	529.
147.00	1.73	0.18	95.	442.00	61.68	6.53	3380.
148.00	4.73	0.50	259.	443.00	13.61	1.44	746.
155.00	1.59	0.17	87.				
156.00	2.34	0.25	128.				
160.00	1.73	0.18	95.				
161.00	1.37	0.14	75.				
167.00	7.04	0.75	386.				
168.00	3.89	0.41	213.				
174.00	1.33	0.14	73.				
175.00	2.55	0.27	140.				

200212

Versar INC.

REAGENT BLANK DATA

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK62

I Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 04

Matrix: (soil/water) WATER Lab Sample ID: SBLK62

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Z4755

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/26/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 05/18/90

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	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
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	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
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK62

Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 04

Matrix: (soil/water) WATER Lab Sample ID: SBLK62

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Z4755

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/26/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 05/18/90

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	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
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	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.

SBLK62

I Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 04

Matrix: (soil/water) WATER Lab Sample ID: SBLK62

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Z4755

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/26/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 05/18/90

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

Number TICs found: 0

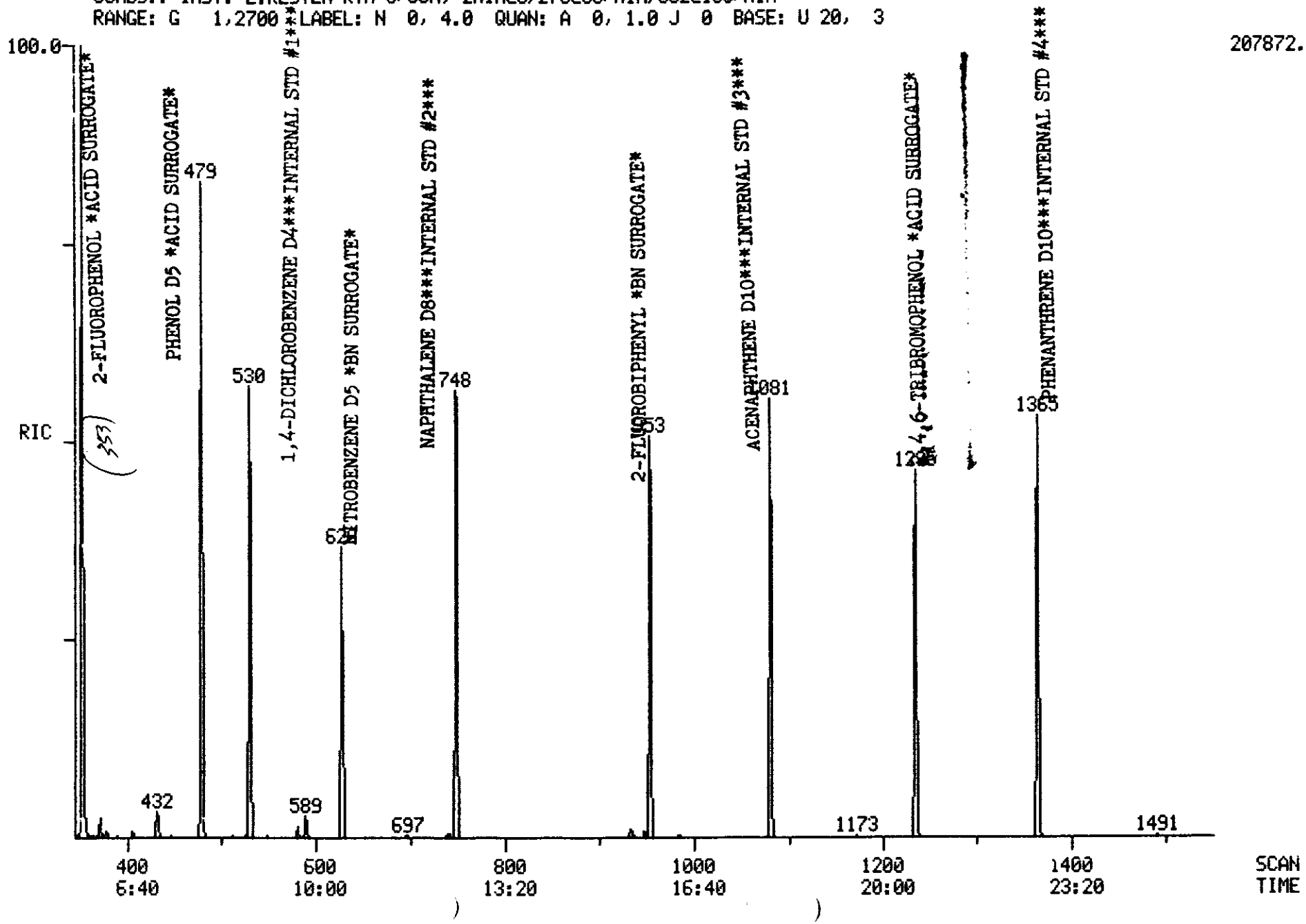
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

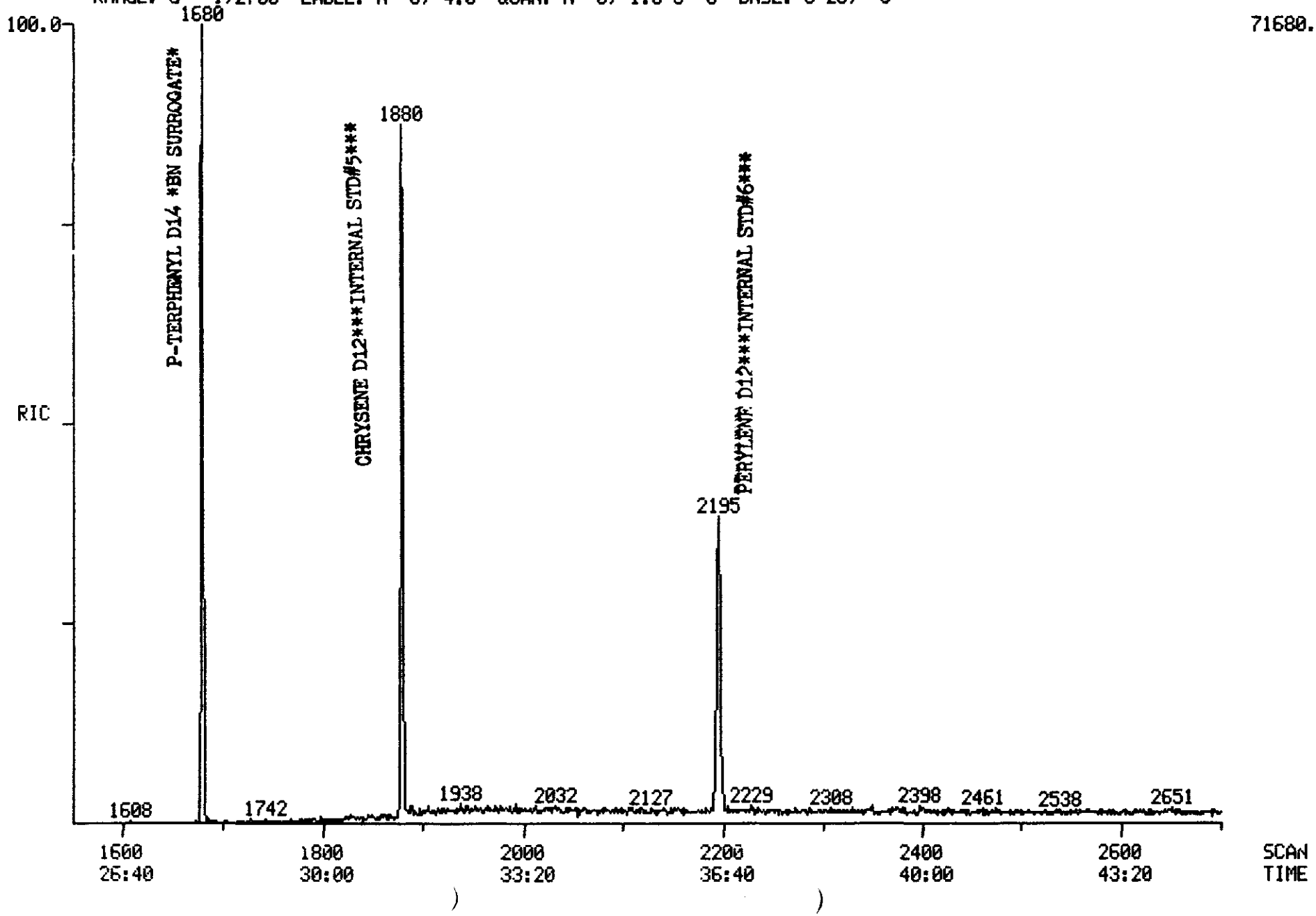
200217

RIC DATA: Z4755 #1 SCANS 345 TO 1550
05/18/90 18:05:00 CALI: Z4755 #2
SAMPLE: CLP,G&MMMAG,2564 2570,SBLK62,L,W,SBLK62,B,BLANK,420.1,20 21,1UL,
CONDS.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
RANGE: G 1,2700 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

207872.



RIC DATA: Z4755 #1 SCANS 1550 TO 2700
05/18/90 18:05:00 CALI: Z4755 #2
SAMPLE: CLP,G&MMMAG,2564 2570,SBLK62,L,W,SBLK62,B,BLANK,420.1,20 21,1UL,
CONDS.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
RANGE: G 1,2700 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



000218

Quantitation Report File: Z4755

Data: Z4755.TI
05/18/90 18:05:00
Sample: CLP,G&MMMAG,2564 2570,SBLK62,L,W,SBLK62,B,BLANK,420.1,20 21,1UL,
Conds.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
Formula: Instrument: Z Weight: 0.012
Submitted by: VERSAR Analyst: BLCK Acct. No.: 420.1

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	CI40 NAPHTHALENE-D8**INT. STD.#2**
3	CI50 ACENAPHTHENE-D10**INT. STD.#3**
4	CI60 PHENANTHRENE-D10**INT. STD.#4**
5	CI70 CHRYSENE-D12**INT. STD.#5**
6	CI75 PERYLENE-D12**INT. STD.#6**
7	CS50 2-FLUOROPHENOL**ACID SURR.**
8	CS45 PHENOL-D5**ACID SURR.**
9	CS20 NITROBENZENE-D5**BN SURR.**
10	CS25 2-FLUOROBIPHENYL**BN SURR.**
11	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
12	CS30 P-TERPHENYL-D14**BN SURR.**
13	C330 2-CHLOROPHENOL
14	C315 PHENOL
15	C325 BIS (2-CHLOROETHYL) ETHER
16	C335 1,3-DICHLOROBENZENE
17	C340 1,4-DICHLOROBENZENE
18	C350 1,2-DICHLOROBENZENE
19	C345 BENZYL ALCOHOL
20	C360 BIS (2-CHLOROISOPROPYL) ETHER
21	C355 2-METHYLPHENOL
22	C375 HEXACHLOROETHANE
23	C365 4-METHYLPHENOL
24	C370 N-NITROSO-DI-N-PROPYLAMINE
25	C410 NITROBENZENE
26	C415 ISOPHORONE
27	C420 2-NITROPHENOL
28	C425 2,4-DIMETHYLPHENOL
29	C435 BIS (2-CHLOROETHOXY) METHANE
30	C440 2,4-DICHLOROPHENOL
31	C445 1,2,4-TRICHLOROBENZENE
32	C450 NAPHTHALENE
33	C430 BENZOIC ACID
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROBUTADIENE
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	C510 HEXACHLOROCYCLOPENTADIENE
39	C515 2,4,6-TRICHLOROPHENOL
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLORONAPHTHALENE
42	C530 2-NITROANILINE
43	C540 ACENAPHTHYLENE
44	C535 DIMETHYL PHTHALATE
45	C544 2,6-DINITROTOLUENE
46	C550 ACENAPHTHENE
47	C545 3-NITROANILINE

Run Compliant
B Kohlberg 5/23/90

Ready For BNA Form I
- No HSL's Detected
B Kohlberg - 5/23/90

No	Name
48	C555 2,4-DINITROPHENOL
49	C565 DIBENZOFURAN
50	C560 4-NITROPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	530	8:50	1	1.000	A BB	36886.	40.000	NG/UL	6.78
2	136	748	12:28	2	1.000	A BB	102410.	40.000	NG/UL	6.78
3	164	1081	18:01	3	1.000	A BB	58839.	40.000	NG/UL	6.78
4	188	1365	22:45	4	1.000	A BV	96596.	40.000	NG/UL	6.78
5	240	1880	31:20	5	1.000	A BB	54194.	40.000	NG/UL	6.78
6	264	2195	36:35	6	1.000	A BB	39972.	40.000	NG/UL	6.78
7	112	353	5:53	1	0.666	A BB	98807.	89.105	NG*A1	15.11
8	99	479	7:59	1	0.904	A BB	107206.	75.897	NG*A2	12.87
9	82	628	10:28	2	0.840	A BB	48613.	37.244	NG*B1	6.32
10	172	953	15:53	3	0.882	A BB	70455.	34.247	NG*B2	5.81
11	330	1235	20:35	3	1.142	A BB	19077.	70.254	NG*A3	11.91
12	244	1680	28:00	5	0.894	A BB	47207.	42.174	NG*B3	7.15
13	128	502	8:22	1	0.947	A BB	177.	~~0.147~~ NG. BL		0.02
14	NOT FOUND									
15	NOT FOUND									
16	NOT FOUND									
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	NOT FOUND									
27	NOT FOUND									
28	NOT FOUND									
29	NOT FOUND									
30	NOT FOUND									
31	NOT FOUND									
32	NOT FOUND									
33	NOT FOUND									
34	NOT FOUND									
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	NOT FOUND									
39	NOT FOUND									
40	NOT FOUND									
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	NOT FOUND									
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:01	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:45	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	31:19	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	36:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:53	1.00	0.665	1.00	89.11	50.00	2.143	1.202	1.78
8	8:00	1.00	0.904	1.00	75.90	50.00	2.325	1.532	1.52
9	10:29	1.00	0.840	1.00	37.24	50.00	0.380	0.510	0.74
10	15:54	1.00	0.883	1.00	34.25	50.00	0.958	1.399	0.68
11	20:34	1.00	1.142	1.00	70.25	50.00	0.259	0.185	1.41
12	27:59	1.00	0.894	1.00	42.17	50.00	0.697	0.826	0.84
13	8:23	1.00	0.947	1.00	0.15	50.00	0.004	1.304	0.00
14	8:02		0.908						
15	8:17		0.936						
16	8:45		0.989						
17	8:53		1.004						
18	9:23		1.060						
19	9:17		1.049						
20	9:42		1.096						
21	9:36		1.085						
22	10:12		1.153						
23	10:00		1.130						
24	10:07		1.143						
25	10:32		0.844						
26	11:10		0.895						
27	11:26		0.916						
28	11:32		0.924						
29	11:52		0.951						
30	12:05		0.968						
31	12:21		0.989						
32	12:33		1.005						
33	11:51		0.949						
34	12:49		1.027						
35	13:03		1.045						
36	14:16		1.143						
37	14:39		1.174						
38	15:20		0.851						
39	15:38		0.868						
40	15:44		0.873						
41	16:11		0.898						
42	16:42		0.927						
43	17:32		0.973						
44	17:22		0.964						
45	17:37		0.978						
46	18:07		1.006						
47	18:02		1.001						
48	18:20		1.018						
49	18:37		1.033						
50	18:31		1.028						

24755

Quantitation Report File: Z4755

Data: Z4755.TI
05/18/90 18:05:00
Sample: CLP,G&MMMAG,2564 2570,SBLK62,L,W,SBLK62,B,BLANK,420.1,20 21,1UL,
Conds.: INST. Z:RESTEK RTX-5/30M, 2MIN@5>275@8C/MIN>302@10C/MIN
Formula: Instrument: Z Weight: 0.012
Submitted by: VERSAR Analyst: BLCK Acct. No.: 420.1

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

No	Name
51	C570 2,4-DINITROTOLUENE
52	C590 FLUORENE
53	C585 4-CHLOROPHENYL-PHENYLETHER
54	C580 DIETHYLPHTHALATE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITROSODIPHENYLAMINE
58	C625 4-BROMOPHENYL-PHENYLETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C650 DI-N-BUTYLPHTHALATE
64	C655 FLUORANTHENE
65	C715 PYRENE
66	C720 BUTYLBENZYLPHTHALATE
67	C730 BENZO(A)ANTHRACENE
68	C740 CHRYSENE
69	C725 3,3'-DICHLOROBENZIDINE
70	C741 BIS(2-ETHYLHEXYL)PHTHALATE
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	169	1210	20:10	4	0.886	A BB	165.	~~0.137 NG~~ BL	0.02
58	NOT FOUND								
59	NOT FOUND								
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								
63	149	1491	24:51	4	1.092	A BB	1030.	~~0.314 NG~~ BL	0.05
64	NOT FOUND								
65	NOT FOUND								
66	NOT FOUND								

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
67	NOT FOUND								
68	NOT FOUND								
69	NOT FOUND								
70	149	1890	31:30	5	1.005	A BB	305.	~~0.192 NG~~	0.03
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	18:50		1.045						
52	19:44		1.095						
53	19:45		1.096						
54	19:37		1.089						
55	20:00		1.110						
56	20:06		0.884						
57	20:11	1.00	0.887	1.00	0.14	50.00	0.001	0.500	0.00
58	21:18		0.936						
59	21:44		0.955						
60	22:20		0.982						
61	22:49		1.003						
62	22:58		1.010						
63	24:51	1.00	1.092	1.00	0.31	50.00	0.009	1.357	0.01
64	26:42		1.174						
65	27:26		0.876						
66	29:42		0.948						
67	31:16		0.998						
68	31:24		1.003						
69	31:15		0.998						
70	31:28	1.00	1.005	1.00	0.19	50.00	0.005	1.173	0.00
71	33:21		0.913						
72	34:53		0.955						
73	34:59		0.958						
74	36:16		0.993						
75	42:31		1.164						
76	42:39		1.168						
77	44:21		1.215						

24755

200223

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK00

L. Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4_CDM

Matrix: (soil/water) SOIL Lab Sample ID: SBLK00

Sample wt/vol: 30.0 (g/mL) G Lab File ID: T2727

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ dec. _____ Date Extracted: 05/01/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/23/90

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	690	U
111-44-4	bis(2-Chloroethyl)ether	690	U
95-57-8	2-Chlorophenol	690	U
541-73-1	1,3-Dichlorobenzene	690	U
106-46-7	1,4-Dichlorobenzene	690	U
100-51-6	Benzyl alcohol	690	U
95-50-1	1,2-Dichlorobenzene	690	U
95-48-7	2-Methylphenol	690	U
108-60-1	bis(2-Chloroisopropyl)ether	690	U
106-44-5	4-Methylphenol	690	U
621-64-7	N-Nitroso-di-n-propylamine	690	U
67-72-1	Hexachloroethane	690	U
98-95-3	Nitrobenzene	690	U
78-59-1	Isophorone	690	U
88-75-5	2-Nitrophenol	690	U
105-67-9	2,4-Dimethylphenol	690	U
65-85-0	Benzoic Acid	3400	U
111-91-1	bis(2-Chloroethoxy)methane	690	U
120-83-2	2,4-Dichlorophenol	690	U
120-82-1	1,2,4-Trichlorobenzene	690	U
91-20-3	Naphthalene	690	U
106-47-8	4-Chloroaniline	690	U
87-68-3	Hexachlorobutadiene	690	U
59-50-7	4-Chloro-3-methylphenol	690	U
91-57-6	2-Methylnaphthalene	690	U
77-47-4	Hexachlorocyclopentadiene	690	U
88-06-2	2,4,6-Trichlorophenol	690	U
95-95-4	2,4,5-Trichlorophenol	3400	U
91-58-7	2-Chloronaphthalene	690	U
88-74-4	2-Nitroaniline	3400	U
131-11-3	Dimethylphthalate	690	U
208-96-8	Acenaphthylene	690	U
606-20-2	2,6-Dinitrotoluene	690	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK00

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4_CDM

Matrix: (soil/water) SOIL Lab Sample ID: SBLK00

Sample wt/vol: 30.0 (g/mL) G Lab File ID: T2727

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/01/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/23/90

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3400	U
83-32-9	Acenaphthene	690	U
51-28-5	2,4-Dinitrophenol	3400	U
100-02-7	4-Nitrophenol	3400	U
132-64-9	Dibenzofuran	690	U
121-14-2	2,4-Dinitrotoluene	690	U
84-66-2	Diethylphthalate	690	U
7005-72-3	4-Chlorophenyl-phenylether	690	U
86-73-7	Fluorene	690	U
100-01-6	4-Nitroaniline	3400	U
534-52-1	4,6-Dinitro-2-methylphenol	3400	U
86-30-6	N-nitrosodiphenylamine (1)	690	U
101-55-3	4-Bromophenyl-phenylether	690	U
118-74-1	Hexachlorobenzene	690	U
87-86-5	Pentachlorophenol	3400	U
85-01-8	Phenanthrene	690	U
120-12-7	Anthracene	690	U
84-74-2	Di-n-butylphthalate	690	U
206-44-0	Fluoranthene	690	U
129-00-0	Pyrene	690	U
85-68-7	Butylbenzylphthalate	690	U
91-94-1	3,3'-Dichlorobenzidine	1400	U
56-55-3	Benzo(a)anthracene	690	U
218-01-9	Chrysene	690	U
117-81-7	bis(2-Ethylhexyl)phthalate	690	U
117-84-0	Di-n-octyl phthalate	690	U
205-99-2	Benzo(b)fluoranthene	690	U
207-08-9	Benzo(k)fluoranthene	690	U
50-32-8	Benzo(a)pyrene	690	U
193-39-5	Indeno(1,2,3-cd)pyrene	690	U
53-70-3	Dibenz(a,h)anthracene	690	U
191-24-2	Benzo(g,h,i)perylene	690	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK00

Lab Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4_CDM

Matrix: (soil/water) SOIL Lab Sample ID: SBLK00

Sample wt/vol: 30.0 (g/mL) G Lab File ID: T2727

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/01/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/23/90

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

Number TICs found: 10

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

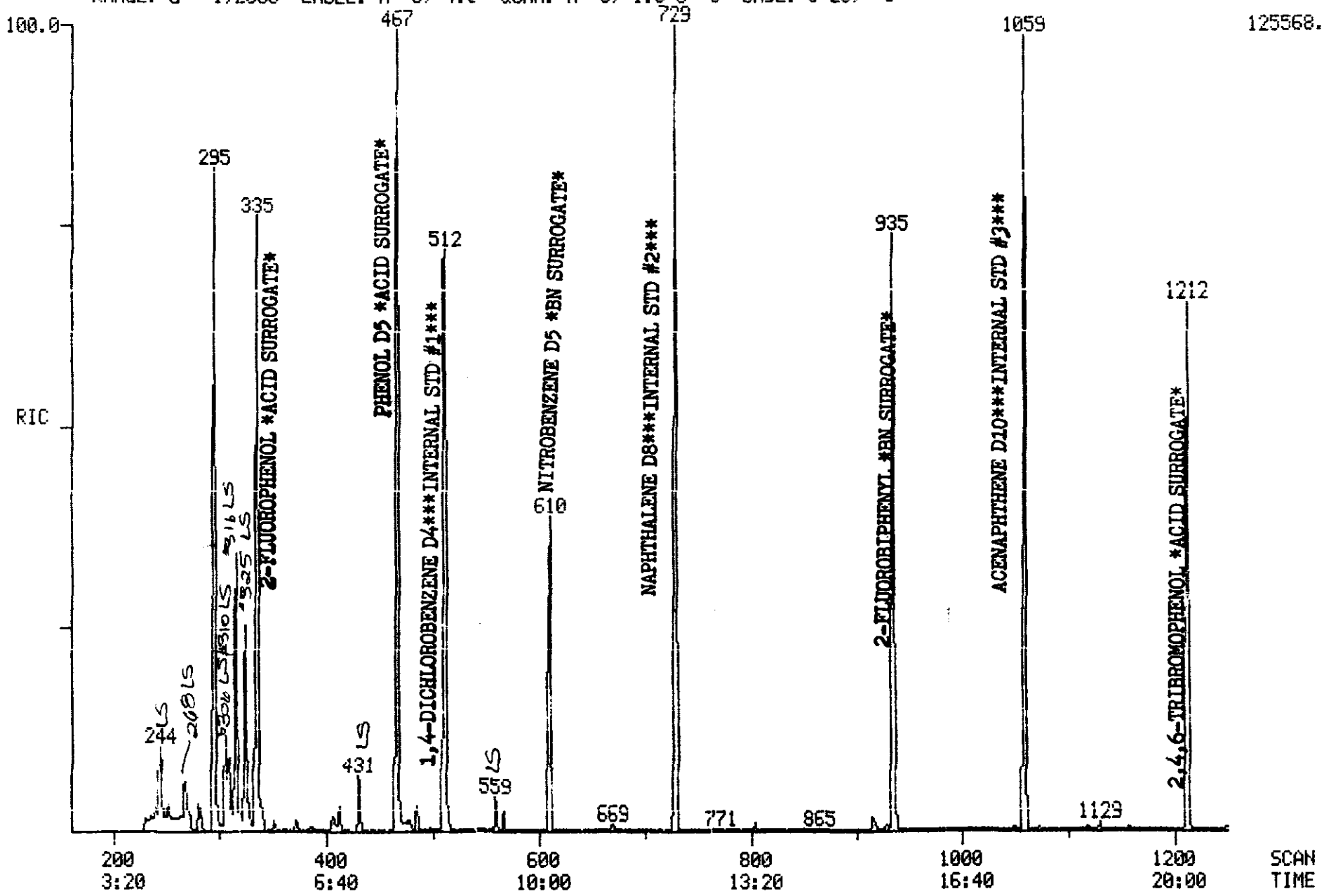
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	4.07	280	J
2.	UNKNOWN	4.47	210	J
3.	UNKNOWN	4.92	3200	J
4.	UNKNOWN HYDROCARBON	5.10	420	J
5.	UNKNOWN HYDROCARBON	5.17	280	J
6.	UNKNOWN	5.27	1300	J
7.	UNKNOWN HYDROCARBON	5.42	980	J
8.	UNKNOWN KETONE	7.18	280	J
9.	UNKNOWN	9.32	140	J
10.	UNKNOWN	33.46	350	J

RIC
05/23/90 14:03:00
SAMPLE: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420,1.0,4,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
RANGE: G 1,2600 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: T2727 #1
CALI: T2727 #2

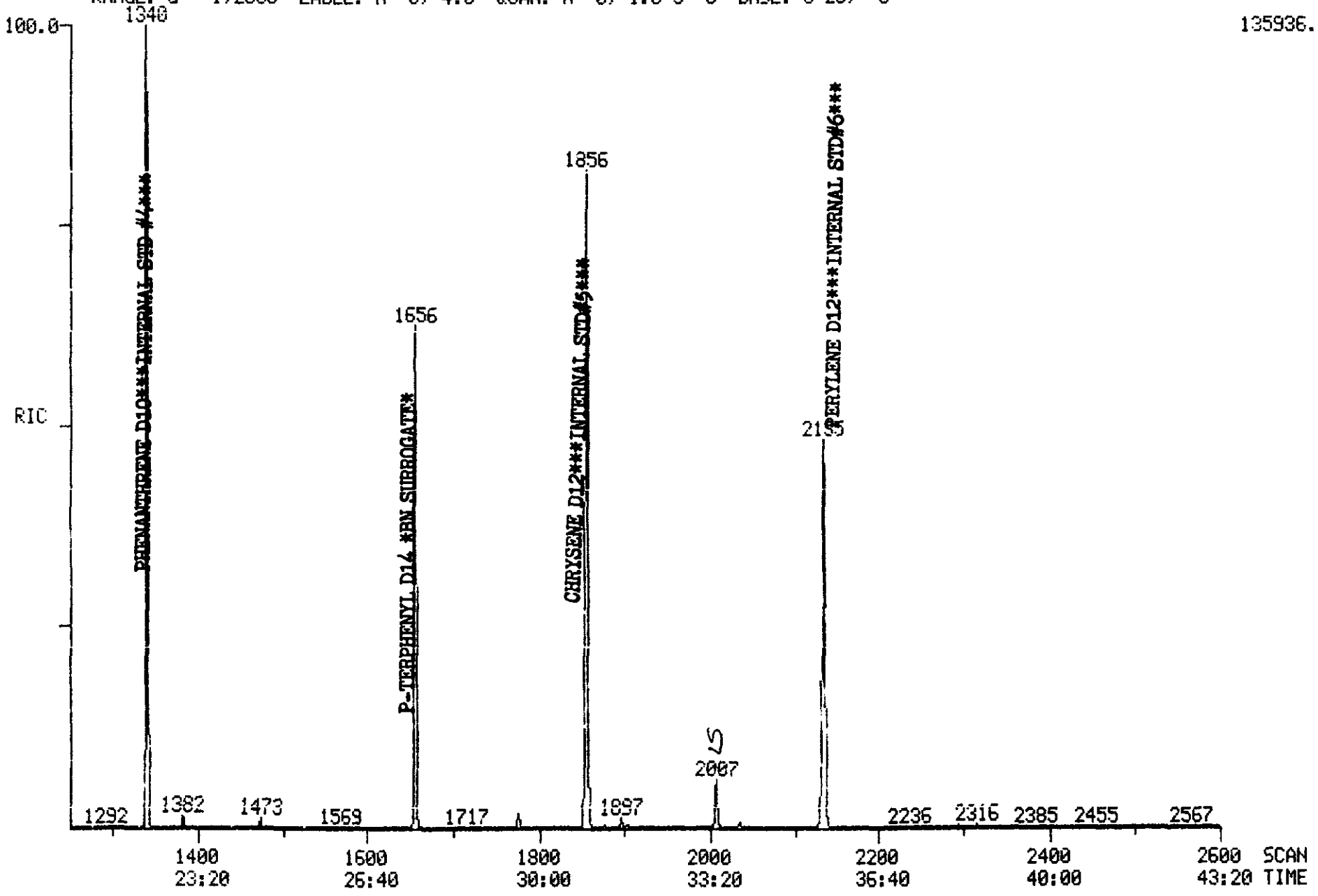
SCANS 160 TO 1250

200227



200228

RIC DATA: T2727 #1 SCANS 1250 TO 2600
05/23/90 14:03:00 CALI: T2727 #2
SAMPLE: CLP,VERSCOM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
RANGE: G 1,2600 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: T2727

Data: T2727.TI
05/23/90 14:03:00
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: SJD Acct. No.: 420.1.0

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD. #2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD. #3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

All IS areas & surrogate recoveries are compliant. SJD 5/24/90.

No HBL's

200229

T2727

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	511	8:31	1	1.000	A BB	33795.	40.000 NG/UL	8.46
2	NOT FOUND								
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	112	335	5:35	1	0.656	A BB	55569.	49.938 NG*A1	10.56
15	99	467	7:47	1	0.914	A BB	76755.	51.432 NG*A2	10.88
16	136	729	12:09	16	1.000	A BB	102764.	40.000 NG/UL	8.46
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	82	610	10:10	16	0.837	A BB	36817.	23.667 NG*B1	5.01
31	164	1059	17:39	31	1.000	A BB	68179.	40.000 NG/UL	8.46
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

T2727

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:32	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:05		0.947						
3	7:50		0.918						
4	8:02		0.941						
5	8:26		0.988						
6	8:35		1.006						
7	9:04		1.062						
8	9:01		1.057						
9	9:27		1.107						
10	9:23		1.100						
11	9:53		1.158						
12	9:48		1.148						
13	9:52		1.156						
14	5:35	1.00	0.654	1.00	49.94	50.00	1.315	1.317	1.00
15	7:48	1.00	0.914	1.00	51.43	50.00	1.817	1.766	1.03
16	12:09	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:14		0.842						
18	10:53		0.896						
19	11:08		0.916						
20	11:19		0.931						
21	11:38		0.957						
22	11:48		0.971						
23	12:03		0.992						
24	12:13		1.005						
25	11:42		0.963						
26	12:32		1.032						
27	12:46		1.051						
28	14:03		1.156						
29	14:19		1.178						
30	10:11	1.00	0.838	1.00	23.67	50.00	0.287	0.606	0.47
31	17:39	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:01		0.851						
33	15:20		0.869						
34	15:26		0.874						
35	15:50		0.897						
36	16:23		0.928						
37	17:10		0.973						
38	17:06		0.969						
39	17:20		0.982						
40	17:46		1.007						
41	17:43		1.004						
42	18:01		1.021						
43	18:16		1.035						
44	18:18		1.037						
45	18:32		1.050						
46	19:22		1.097						
47	19:26		1.101						
48	19:22		1.097						
49	19:42		1.116						
50	19:47		1.121						

Quantitation Report File: T2727

Data: T2727.TI
05/23/90 14:03:00
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: SJD Acct. No.: 420.1.0

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

No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	172	935	15:35	31	0.883	A BB	64844.	28.698 NG*B2	6.07
55	188	1340	22:20	55	1.000	A BB	132495.	40.000 NG/UL	8.46
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	149	1473	24:33	55	1.099	A BB	3348.	~~0.735 NG~~ BRL	0.16
60	NOT FOUND								
61	NOT FOUND								
62	330	1212	20:12	31	1.144	A BB	22323.	46.717 NG*A3	9.88
63	240	1856	30:56	63	1.000	A BB	99539.	40.000 NG/UL	8.46
64	NOT FOUND								
65	NOT FOUND								
66	NOT FOUND								

T2727

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
67	NOT FOUND								
68	149	1876	31:16	63	1.011	A BB	611.	~~0.251 NG~~ BRL	0.05
69	244	1656	27:36	63	0.892	A BB	70214.	31.455 NG*B3	6.65
70	264	2135	35:35	70	1.000	A BB	88794.	40.000 NG/UL	8.46
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	19:52		1.126						
52	20:58		1.188						
53	21:21		1.210						
54	15:36	1.00	0.884	1.00	28.70	50.00	0.761	1.326	0.57
55	22:21	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	21:58		0.983						
57	22:25		1.003						
58	22:33		1.009						
59	24:34	1.00	1.099	1.00	0.73	50.00	0.020	1.376	0.01
60	26:16		1.175						
61	26:59		0.872						
62	20:12	1.00	1.144	1.00	46.72	50.00	0.262	0.280	0.93
63	30:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	29:23		0.950						
65	30:53		0.998						
66	31:01		1.003						
67	30:56		1.000						
68	31:16	1.00	1.011	1.00	0.25	50.00	0.005	0.979	0.01
69	27:36	1.00	0.892	1.00	31.45	50.00	0.564	0.897	0.63
70	35:35	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:02		0.928						
72	34:10		0.960						
73	34:15		0.963						
74	35:21		0.993						
75	40:48		1.147						
76	40:58		1.151						
77	42:25		1.192						

Quantitation Report File: QCREF

Data: T2727.TI
05/23/90 14:03:00
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula. --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: SJD Acct. No.: 420.1.0

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	CI40 NAPHTHALENE-D8**INT. STD.#2**
3	CI50 ACENAPHTHENE-D10**INT. STD.#3**
4	CI60 PHENANTHRENE-D10**INT. STD.#4**
5	CI70 CHRYSENE-D12**INT. STD.#5**
6	CI75 PERYLENE-D12**INT. STD.#6**
7	CS50 2-FLUOROPHENOL**ACID SURR.**
8	CS45 PHENOL-D5**ACID SURR.**
9	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
10	CS20 NITROBENZENE-D5**BN SURR.**
11	CS25 2-FLUOROBIPHENYL**BN SURR.**
12	CS30 P-TERPHENYL-D14**BN SURR.**

X 1.053

Scan	Time	Area(Hght)		Amount		Name
511	8:31	33795.		40.000	NG/UL	CI30 1,4-DICHLOROBENZENE-D4
729	12:09	102764.	%	40.000	NG/UL	CI40 NAPHTHALENE-D8**INT. ST
1059	17:39	68179.		40.000	NG/UL	CI50 ACENAPHTHENE-D10**INT.
1340	22:20	132495.	Rec	40.000	NG/UL	CI60 PHENANTHRENE-D10**INT.
1856	30:56	99539.		40.000	NG/UL	CI70 CHRYSENE-D12**INT. STD.
2135	35:35	88794.		40.000	NG/UL	CI75 PERYLENE-D12**INT. STD.
335	5:35	55569.	53	49.938	NG*A1	CS50 2-FLUOROPHENOL**ACID SU
467	7:47	76755.	54	51.432	NG*A2	CS45 PHENOL-D5**ACID SURR.**
1212	20:12	22323.	49	46.717	NG*A3	CS55 2,4,6,-TRIBROMOPHENOL**
610	10:10	36817.	50	23.667	NG*B1	CS20 NITROBENZENE-D5**BN SUR
935	15:35	64844.	60	28.698	NG*B2	CS25 2-FLUOROBIPHENYL**BN SU
1656	27:36	70214.	66	31.455	NG*B3	CS30 P-TERPHENYL-D14**BN SUR

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:32	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:09	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:39	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:21	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	30:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	35:35	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:35	1.00	0.654	1.00	49.94	50.00	1.315	1.317	1.00
8	7:48	1.00	0.914	1.00	51.43	50.00	1.817	1.766	1.03
9	20:12	1.00	1.144	1.00	46.72	50.00	0.262	0.280	0.93
10	10:11	1.00	0.838	1.00	23.67	50.00	0.287	0.606	0.47
11	15:36	1.00	0.884	1.00	28.70	50.00	0.761	1.326	0.57
12	27:36	1.00	0.892	1.00	31.45	50.00	0.564	0.897	0.63

Quantitation Report File: ISREF

Data: T2726.TI
05/23/90 12:04:00
Sample: CLP,,,SSTD 50,,,22784,B,,CC-050,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: SJD Acct. No.: -

Data: T2727.TI
05/23/90 14:03:00
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: SJD Acct. No.: 420.1.0

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
3	CI40 NAPHTHALENE-D8**INT. STD. #2**
4	CI40 NAPHTHALENE-D8**INT. STD. #2**
5	CI50 ACENAPHTHENE-D10**INT. STD. #3**
6	CI50 ACENAPHTHENE-D10**INT. STD. #3**
7	CI60 PHENANTHRENE-D10**INT. STD. #4**
8	CI60 PHENANTHRENE-D10**INT. STD. #4**
9	CI70 CHRYSENE-D12**INT. STD. #5**
10	CI70 CHRYSENE-D12**INT. STD. #5**
11	CI75 PERYLENE-D12**INT. STD. #6**
12	CI75 PERYLENE-D12**INT. STD. #6**

Scan	Time	Area(Hght)	Amount	Name
512	8:32	32730.	40.000 NG/UL	CI30 1,4-DICHLOROBENZENE-D4
511	8:31	33795.	41.302 NG/UL	CI30 1,4-DICHLOROBENZENE-D4
729	12:09	101194.	40.000 NG/UL	CI40 NAPHTHALENE-D8**INT. ST
729	12:09	102764.	40.621 NG/UL	CI40 NAPHTHALENE-D8**INT. ST
1059	17:39	68217.	40.000 NG/UL	CI50 ACENAPHTHENE-D10**INT.
1059	17:39	68179.	39.978 NG/UL	CI50 ACENAPHTHENE-D10**INT.
1341	22:21	135436.	40.000 NG/UL	CI60 PHENANTHRENE-D10**INT.
1340	22:20	132495.	39.131 NG/UL	CI60 PHENANTHRENE-D10**INT.
1856	30:56	112578.	40.000 NG/UL	CI70 CHRYSENE-D12**INT. STD.
1856	30:56	99539.	35.367 NG/UL	CI70 CHRYSENE-D12**INT. STD.
2135	35:35	97334.	40.000 NG/UL	CI75 PERYLENE-D12**INT. STD.
2135	35:35	88794.	36.490 NG/UL	CI75 PERYLENE-D12**INT. STD.

Library Search Data: T2727 # 244 Base m/z: 55
05/23/70 14:03:00 + 4:04 Cali: T2727 # 2 RIC: 8575.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

42223 spectra in LIBRARYNB searched for maximum PURITY
221 matched at least 7 of the 16 largest peaks in the unknown

Rank	In.	Name
1	1171	2-PENTENE, 3,4-DIMETHYL-, (E)-
2	1170	2-PENTENE, 3,4-DIMETHYL-, (Z)-
3	1168	CYCLOPROPANE, 1,1,2,2-TETRAMETHYL-
4	1177	2-PENTENE, 2,3-DIMETHYL-
5	1148	2-PENTENE, 4,4-DIMETHYL-, (Z)-

Rank	Formula	M.Wt	B.Pk	Purity	Fit	RFit
1	C7.H14	98	55	899	962	907
2	C7.H14	98	55	897	960	905
3	C7.H14	98	55	889	938	889
4	C7.H14	98	55	885	954	904
5	C7.H14	98	55	865	937	885

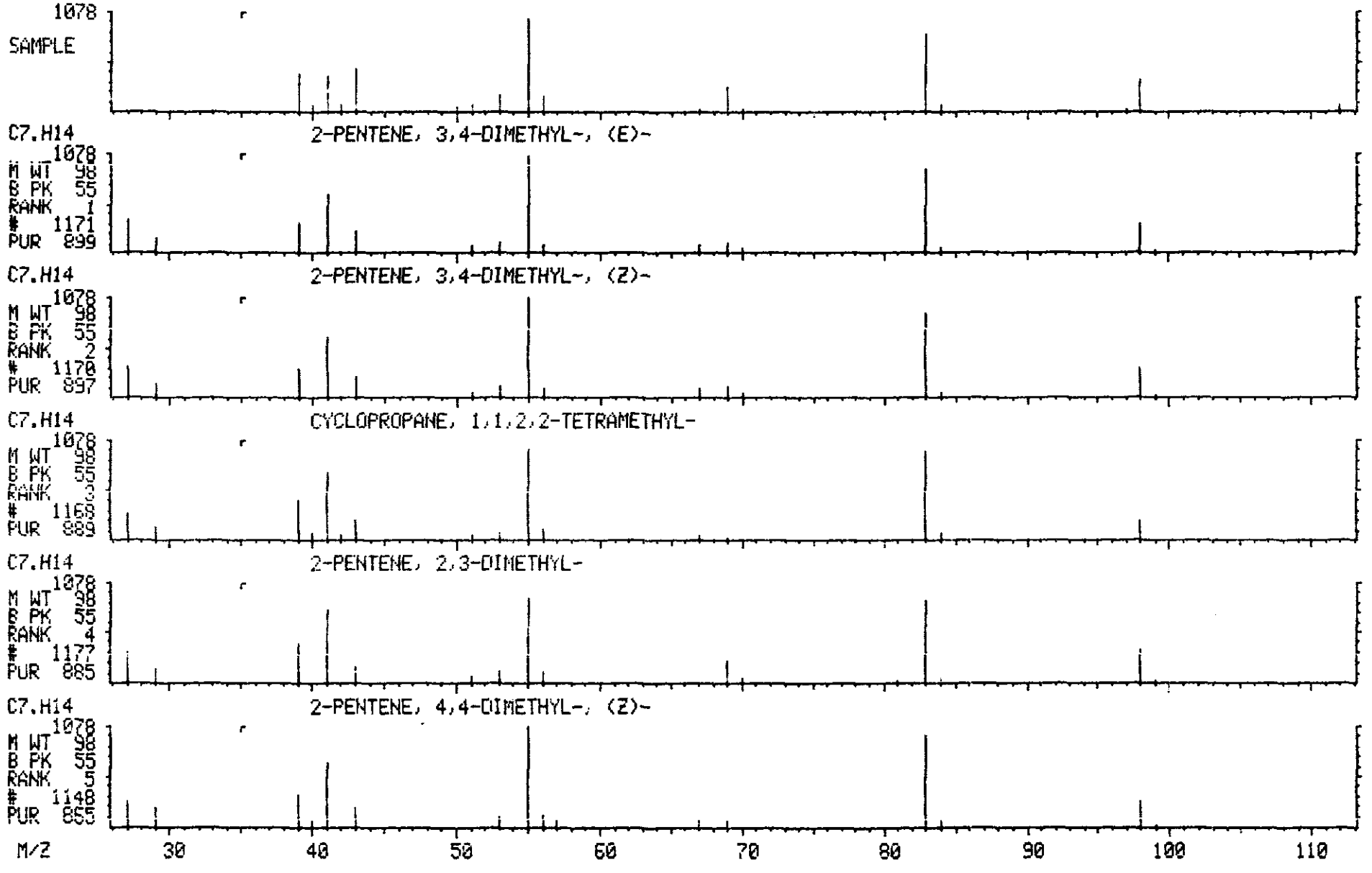
Rank	Ret.Time	B.P.Int.	US.Par.1	US.Par.2	C.A.S. #
1	—	—	—	—	4914-92-5
2	—	—	—	—	4914-91-4
3	—	—	—	—	4127-47-3
4	—	—	—	—	10574-37-5
5	—	—	—	—	762-63-0

200237

LIBRARY SEARCH
05/23/90 14:03:00 + 4:04
SAMPLE: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
ENHANCED (S 15B 2N 0T)

DATA: T2727 # 244
CALI: T2727 # 2

BASE M/Z: 55
RIC: 8575.



Library Search Data: T2727 # 268 Base m/z: 43
05/23/90 14:03:00 + 4:28 Cali: T2727 # 2 RIC: 5879.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

42223 spectra in LIBRARYNB searched for maximum PURITY
266 matched at least 5 of the 16 largest peaks in the unknown

Rank	In.	Name
1	19998	CYCLOTRISILOXANE, HEXAMETHYL-
2	32875	ARSENOUS ACID, TRIS(TRIMETHYLSILYL) ESTER
3	1454	ACETIC ACID, 1-METHYLETHYL ESTER
4	346	HYDROPEROXIDE, 1-METHYLETHYL
5	1503	2-PENTANOL, 4-METHYL-

Rank	Formula	M.Wt	B.Pk	Purity	Fit	RFit
1	C6.H18.O3.SI3	222	207	480	785	516
2	C9.H27.O3.AS.SI3	342	207	441	864	504
3	C5.H10.O2	102	43	347	884	369
4	C3.H8.O2	76	43	328	879	347
5	C6.H14.O	102	45	313	725	356

Rank	Ret.Time	B.P.Int.	US.Par.1	US.Par.2	C.A.S. #
1	—	—	—	—	541-05-9
2	—	—	—	—	55429-29-3
3	—	—	—	—	108-21-4
4	—	—	—	—	3031-75-2
5	—	—	—	—	108-11-2

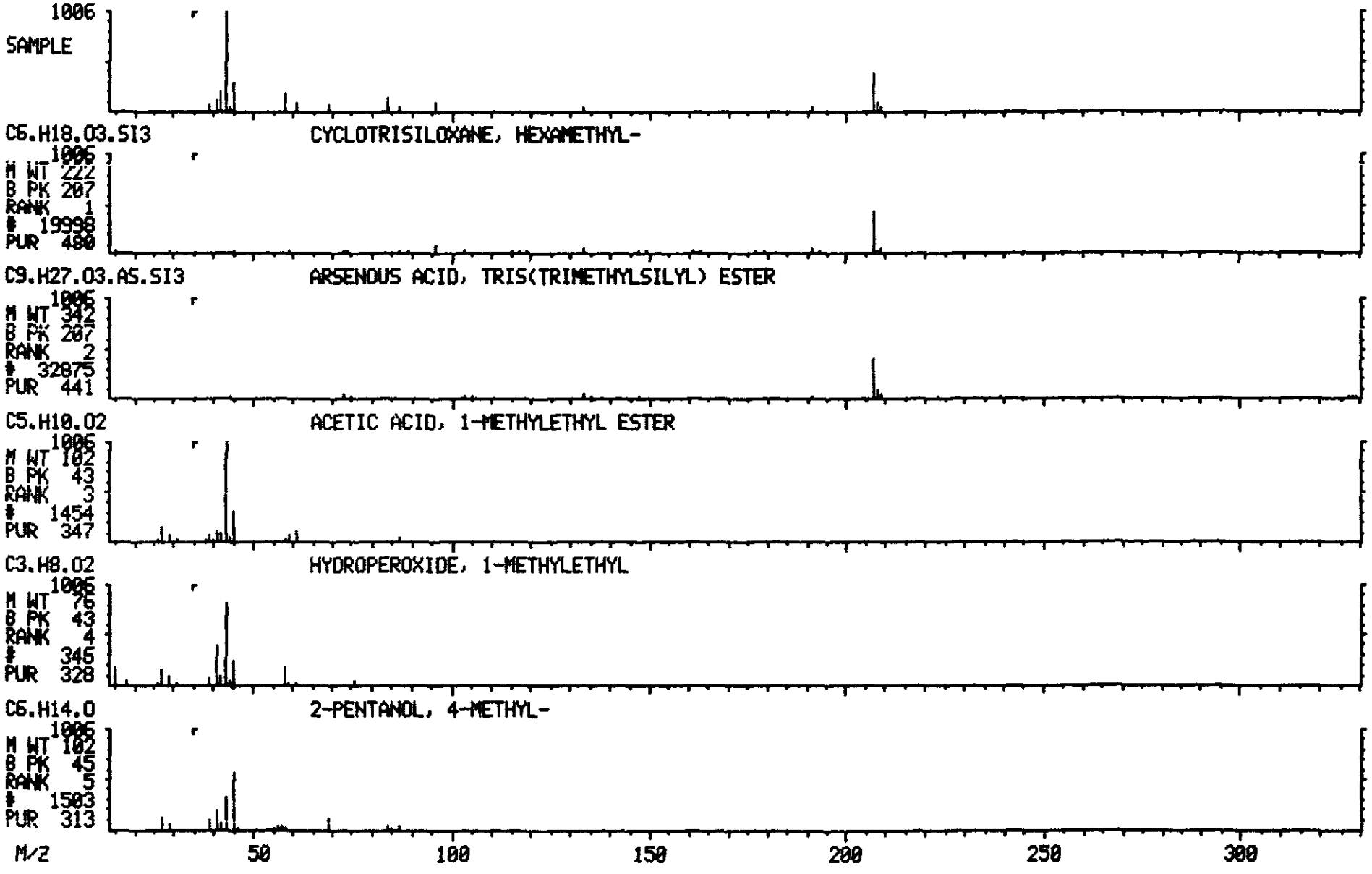
✓

200239

LIBRARY SEARCH
05/23/90 14:03:00 + 4:28
SAMPLE: CLP,VERSCOM,2565,SBLK00,L,S,RBS000,6,,420.1.0,4,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30208C/MIN
ENHANCED (S 15B 2N 0T)

DATA: T2727 # 268
CALI: T2727 # 2

BASE M/Z: 43
RIC: 5879.



Library Search Data: T2727 # 295 Base m/z: 43
05/23/90 14:03:00 + 4:55 Cali: T2727 # 2 RIC: 70239.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

42222 spectra in LIBRARYNB searched for maximum PURITY
97 matched at least 7 of the 16 largest peaks in the unknown

Rank	In.	Name
1	2776	2-PENTANOL, 2,4-DIMETHYL-
2	806	HYDROPEROXIDE, 1,1-DIMETHYLETHYL
3	2674	2-PENTANONE, 4-HYDROXY-4-METHYL-
4	1334	OXIRANE, TETRAMETHYL-
5	9176	2-HEXANONE, 6-(ACETYLOXY)-

Rank	Formula	M.Wt	B.Pk	Purity	Fit	RFit
1	C7.H16.O	116	59	752	788	768
2	C4.H10.O2	90	59	720	888	727
3	C6.H12.O2	116	43	667	711	689
4	C6.H12.O	100	59	658	830	663
5	C8.H14.O3	158	43	657	689	702

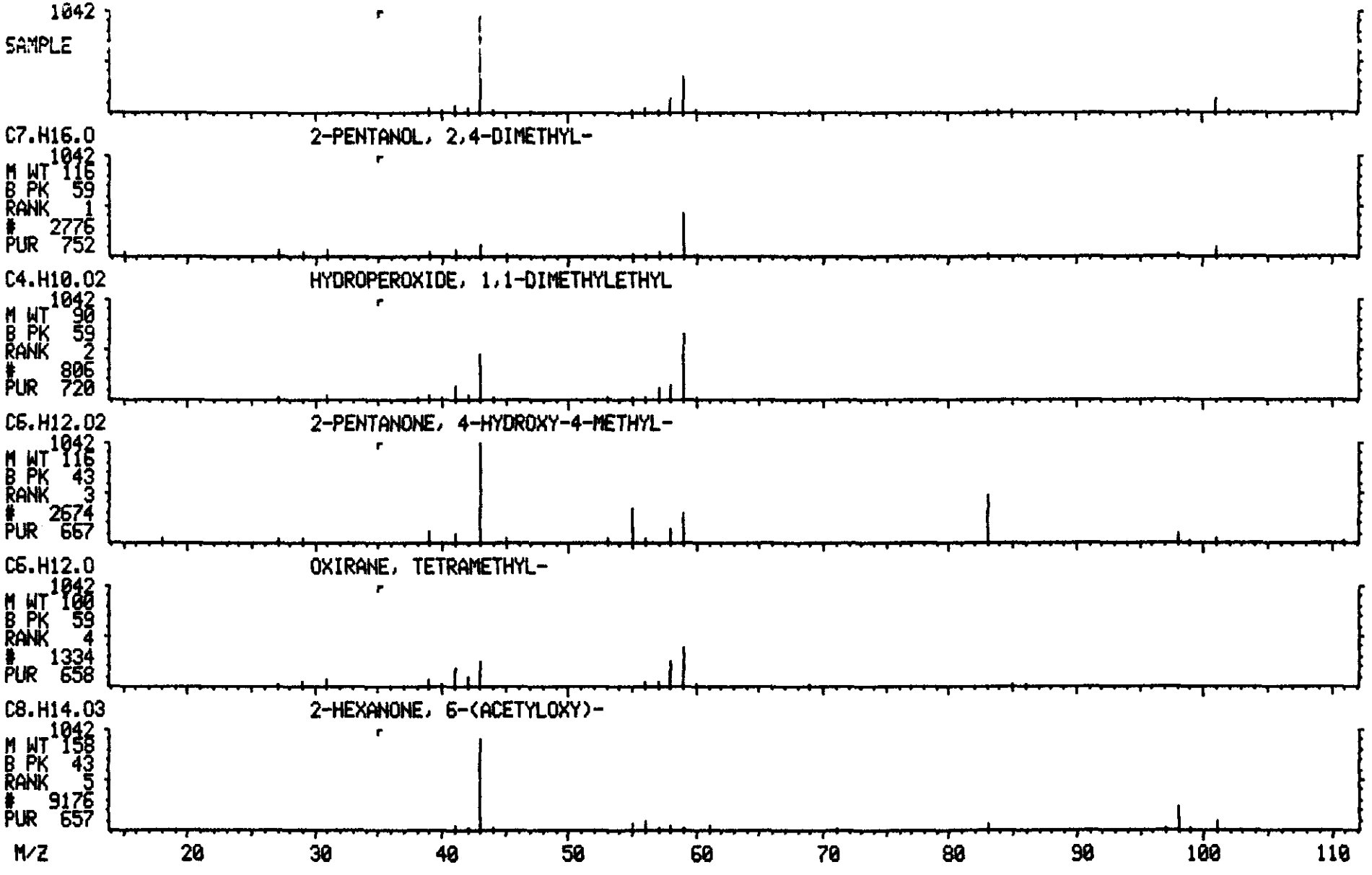
Rank	Ret.Time	B.P.Int.	US.Par.1	US.Par.2	C.A.S. #
1	—	—	—	—	625-06-9
2	—	—	—	—	75-91-2
3	—	—	—	—	123-42-2
4	—	—	—	—	5076-20-0
5	—	—	—	—	4305-26-4

✓

LIBRARY SEARCH
05/23/90 14:03:00 + 4:55
SAMPLE: CLP,VERSCOM,2565,SBLK00,L,5,RB8000,B,,420.1.0,4,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
ENHANCED (S 15B 2N 0T)

DATA: T2727 # 295
CALI: T2727 # 2

BASE M/Z: 43
RIC: 90239.



000241

Library Search Data: T2727 # 306 Base m/z: 43
05/23/90 14:03:00 + 5:06 Cali: T2727 # 2 RIC: 11823.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

42223 spectra in LIBRARYNB searched for maximum PURITY
65 matched at least 8 of the 16 largest peaks in the unknown

Rank	In.	Name
1	4135	HEPTANE, 2,3-DIMETHYL-
2	4125	HEXANE, 2,3,5-TRIMETHYL-
3	2563	HEXANE, 3-ETHYL-
4	4119	HEXANE, 2,3,4-TRIMETHYL-
5	4146	HEXANE, 2,3,3-TRIMETHYL-

Rank	Formula	M.Wt	B.Pk	Purity	Fit	RFit
1	C9.H20	128	43	974	993	975
2	C9.H20	128	43	954	977	955
3	C8.H18	114	43	916	946	928
4	C9.H20	128	43	912	925	913
5	C7.H20	128	43	899	929	911

Rank	Ret.Time	B.P.Int.	US.Par.1	US.Par.2	C.A.S. #
1	—	—	—	—	3074-71-3
2	—	—	—	—	1069-53-0
3	—	—	—	—	619-99-8
4	—	—	—	—	921-47-1
5	—	—	—	—	16747-28-7

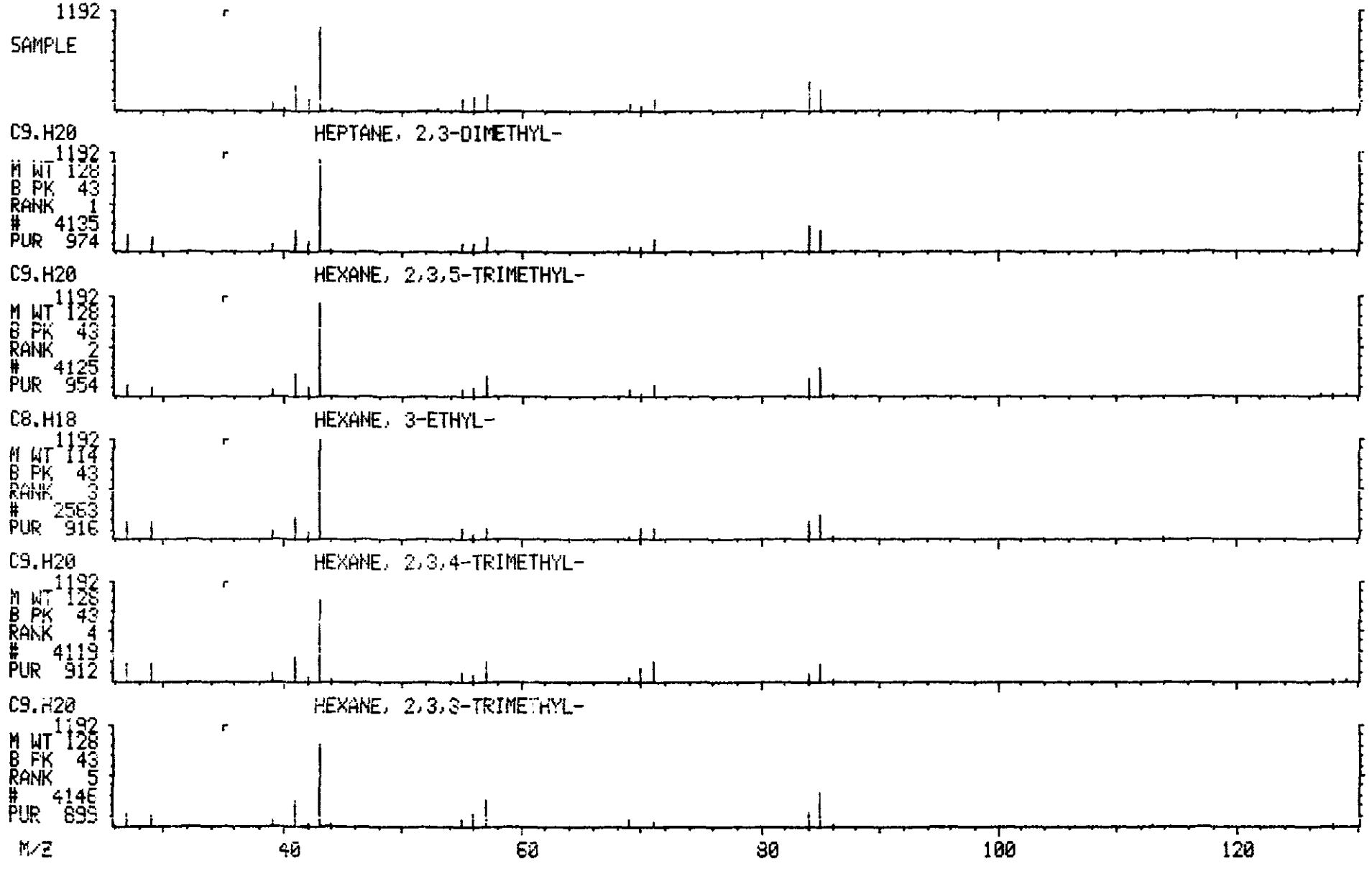
✓

200243

LIBRARY SEARCH
05/23/90 14:03:00 + 5:06
SAMPLE: CLP,VERSCDM,2565,SBLK00,L,S,RB6000,B,,420.1.0,4,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
ENHANCED (S 15B 2N 0T)

DATA: T2727 # 306
CALI: T2727 # 2

BASE M/Z: 43
RIC: 11823.



Library Search Data: T2727 # 310 Base m/z: 43
05/23/90 14:03:00 + 5:10 Cali: T2727 # 2 RIC: 8383.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

42223 spectra in LIBRARYNB searched for maximum PURITY
456 matched at least 7 of the 14 largest peaks in the unknown

Rank	In.	Name
1	4120	HEPTANE, 3,4-DIMETHYL-
2	6097	OCTANE, 3,5-DIMETHYL-
3	4138	HEXANE, 3-ETHYL-4-METHYL-
4	6078	OCTANE, 2,7-DIMETHYL-
5	2560	HEPTANE, 2-METHYL-

Rank	Formula	M.Wt	B.Pk	Purity	Fit	RFit
1	C9.H20.	128	43	964	972	989
2	C10.H22	142	57	906	915	943
3	C9.H20	128	57	902	954	932
4	C10.H22	142	43	864	876	889
5	C8.H18	114	43	851	876	892

Rank	Ret.Time	B.P.Int.	US.Par.1	US.Par.2	C.A.S. #
1	—	—	—	—	922-28-1
2	—	—	—	—	15869-93-9
3	—	—	—	—	3074-77-9
4	—	—	—	—	1072-16-8
5	—	—	—	—	592-27-8

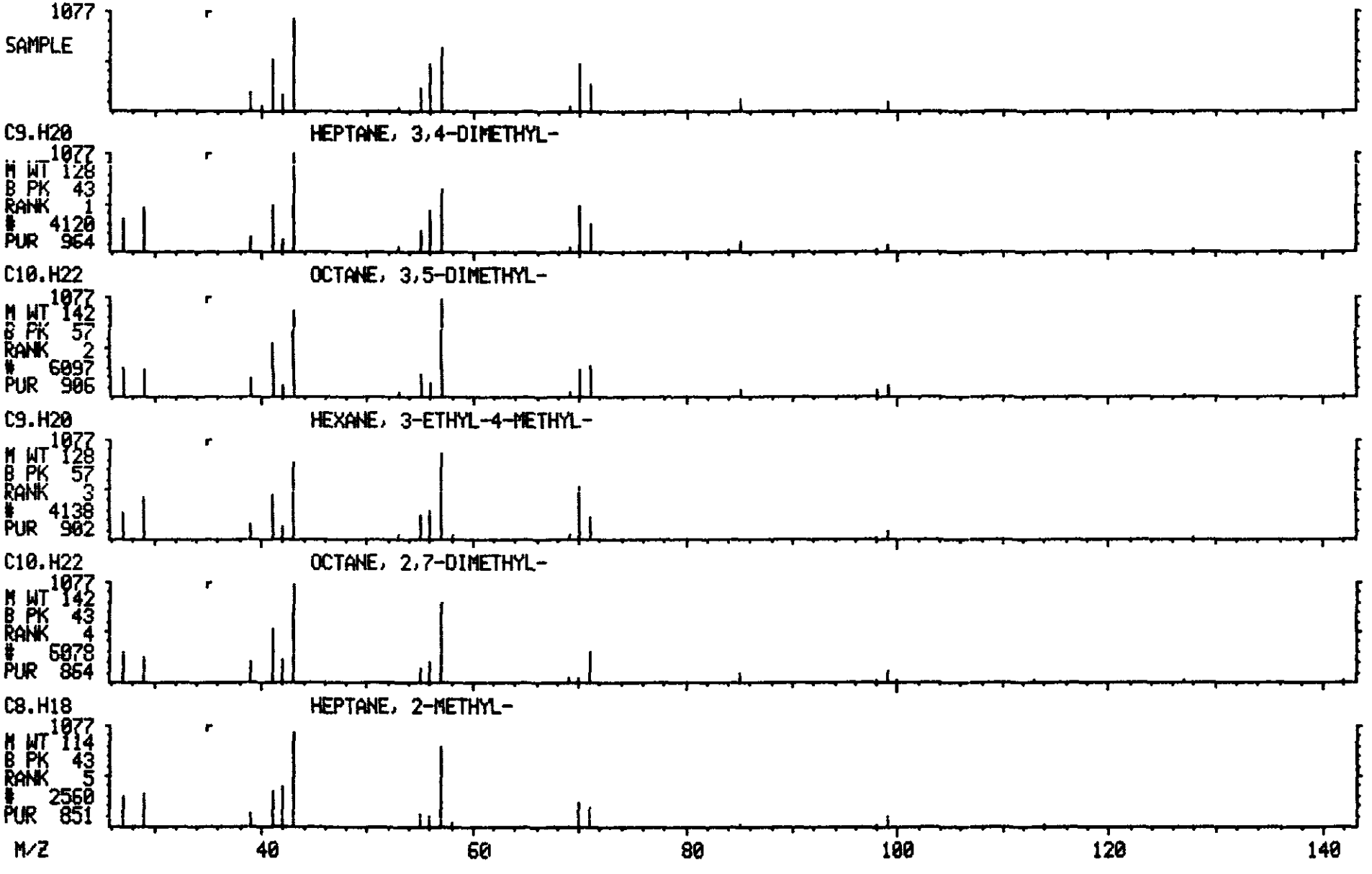
✓

200245

LIBRARY SEARCH
05/23/90 14:03:00 + 5:10
SAMPLE: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30@8C/MIN
ENHANCED (S 15B 2N 0T)

DATA: T2727 # 310
CALI: T2727 # 2

BASE M/Z: 43
RIC: 8383.



Library Search Data: T2727 # 316 Base m/z: 43
05/23/90 14:03:00 + 5:16 Cali: T2727 # 2 RIC: 35135.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

42223 spectra in LIBRARYNB searched for maximum PURITY
169 matched at least 8 of the 16 largest peaks in the unknown

Rank	In.	Name
1	6635	1-HEPTANOL, 2,4-DIMETHYL-, (R,R)-(+)-
2	4119	HEXANE, 2,3,4-TRIMETHYL-
3	4134	OCTANE, 4-METHYL-
4	4135	HEPTANE, 2,3-DIMETHYL-
5	4125	HEXANE, 2,3,5-TRIMETHYL-

Rank	Formula	M.Wt	B.Pk	Purity	Fit	RFit
1	C9.H20.O	144	43	812	909	827
2	C9.H20	128	43	806	945	807
3	C9.H20	128	43	805	952	805
4	C9.H20	128	43	804	947	806
5	C9.H20	128	43	789	938	789

Rank	Ret.Time	B.P.Int.	US.Par.1	US.Par.2	C.A.S. #
1	—	—	—	—	18450-73-2
2	—	—	—	—	921-47-1
3	—	—	—	—	2216-34-4
4	—	—	—	—	3074-71-3
5	—	—	—	—	1069-53-0

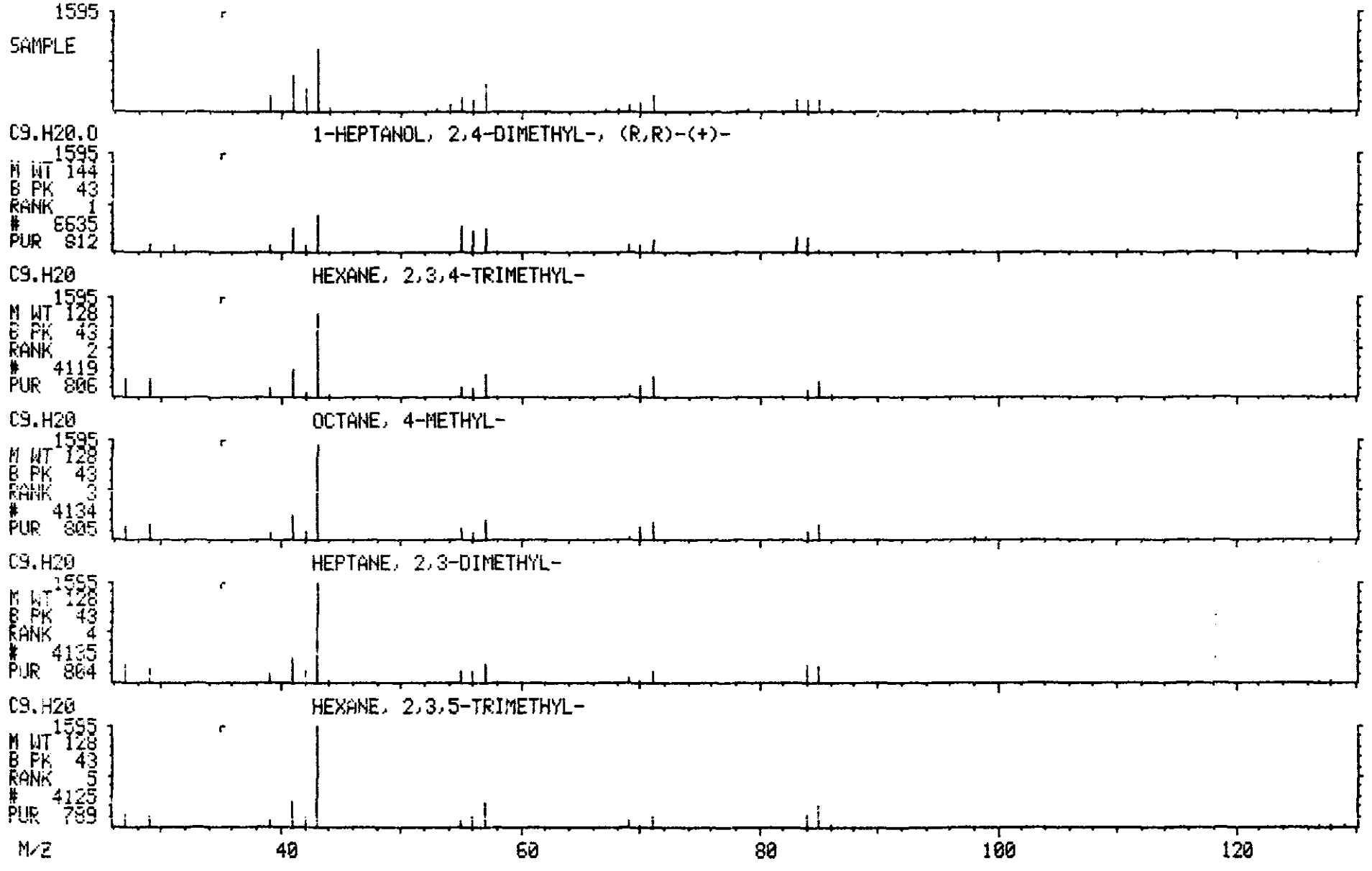
✓

200247

LIBRARY SEARCH
05/23/90 14:03:00 + 5:16
SAMPLE: CLP,VERSCDM,2565,SBLK00,L,S,RB3000,B,,420.1.0,4,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
ENHANCED (S 15B 2N 0T)

DATA: T2727 # 316
CALI: T2727 # 2

BASE M/Z: 43
RIC: 35135.



Library Search Data: T2727 # 325 Base m/z: 57
05/23/90 14:03:00 + 5:25 Cali: T2727 # 2 RIC: 26847.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

42223 spectra in LIBRARYNB searched for maximum PURITY
62 matched at least 8 of the 16 largest peaks in the unknown

Rank	In.	Name
1	6103	HEPTANE, 4-(1-METHYLETHYL)-
2	6082	HEPTANE, 2,3,6-TRIMETHYL-
3	6081	HEPTANE, 4-PROPYL-
4	4136	HEXANE, 4-ETHYL-2-METHYL-
5	6087	OCTANE, 2,3-DIMETHYL-

Rank	Formula	M. Wt	B. Pk	Purity	Fit	RFit
1	C10. H22	142	57	935	973	941
2	C10. H22	142	57	922	960	923
3	C10. H22	142	57	920	954	938
4	C9. H20	128	57	918	940	918
5	C10. H22	142	57	914	951	921

Rank	Ret. Time	B. P. Int.	US. Par. 1	US. Par. 2	C. A. S. #
1	—	—	—	—	52896-87-4
2	—	—	—	—	4032-93-3
3	—	—	—	—	3178-29-8
4	—	—	—	—	3074-75-7
5	—	—	—	—	7146-60-3

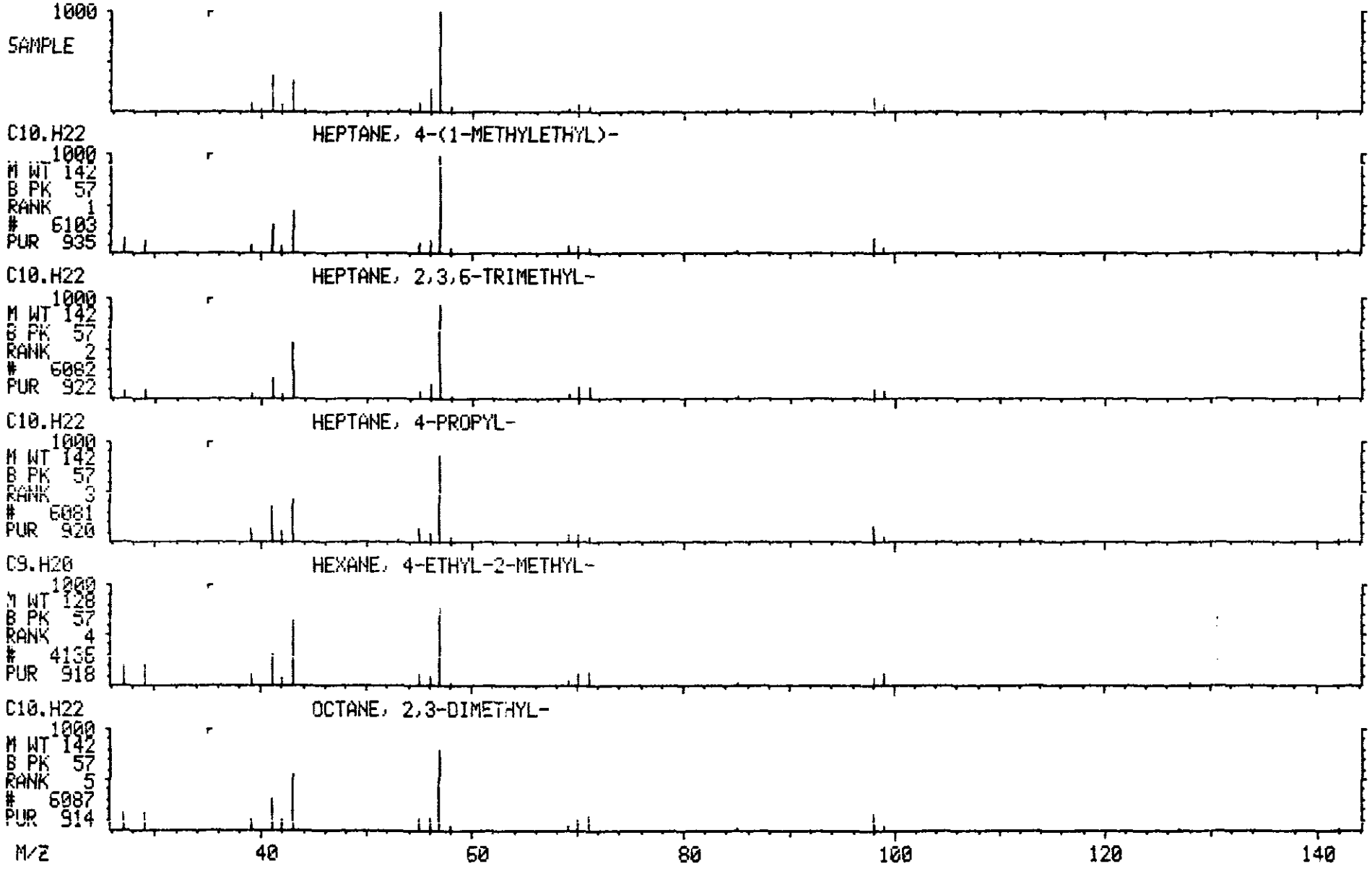
✓

LIBRARY SEARCH
05/23/90 14:03:00 + 5:25
SAMPLE: CLP,VERSCOM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
ENHANCED (S 15B 2N 0T)

DATA: T2727 # 325
CALI: T2727 # 2

BASE M/Z: 57
RIC: 26847.

200249



Library Search Data: T2727 # 431 Base m/z: 43
05/23/90 14:03:00 + 7:11 Cali: T2727 # 2 RIC: 7071.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

42223 spectra in LIBRARYNB searched for maximum PURITY
191 matched at least 6 of the 15 largest peaks in the unknown

KETONE

Rank	In.	Name
1	2147	2(5H)-FURANONE, 5,5-DIMETHYL-
2	2176	5-HEXEN-2-ONE, 5-METHYL-
3	2183	3-HEXEN-2-ONE, 5-METHYL-
4	2165	3-PENTEN-2-ONE, 3,4-DIMETHYL-
5	2187	3-HEPTEN-2-ONE, (E)-

Rank	Formula	M.Wt	B.Pk	Purity	Fit	RFit
1	C6.H8.O2	112	43	865	888	941
2	C7.H12.O	112	43	853	882	908
3	C7.H12.O	112	43	750	781	804
4	C7.H12.O	112	43	698	735	740
5	C7.H12.O	112	55	690	713	748

Rank	Ret.Time	B.P.Int.	US.Par.1	US.Par.2	C.A.S. #
1	—	—	—	—	20019-64-1
2	—	—	—	—	3240-09-3
3	—	—	—	—	5166-53-0
4	—	—	—	—	684-94-6
5	—	—	—	—	5609-09-6

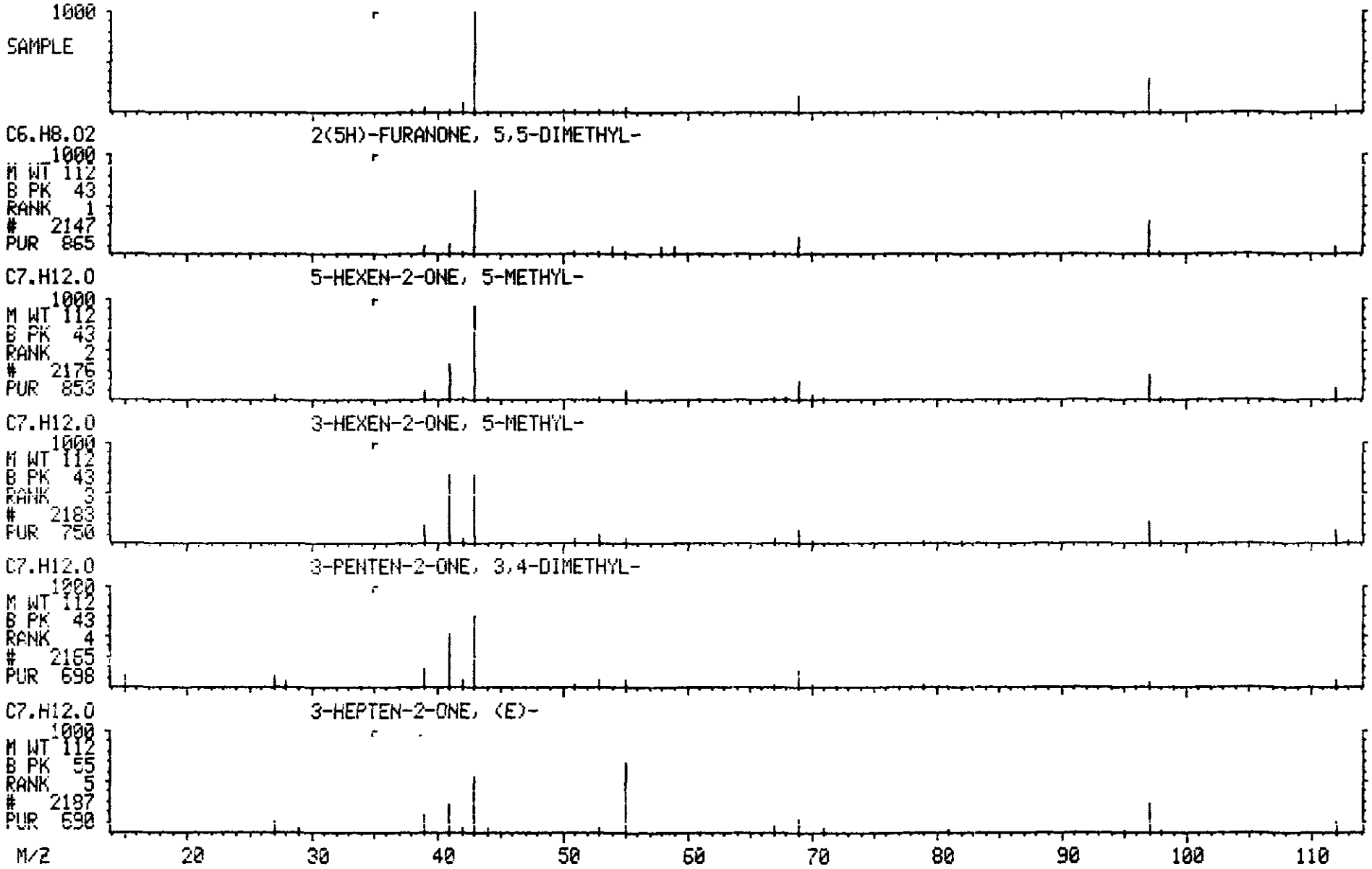
✓

LIBRARY SEARCH
05/23/90 14:03:00 + 7:11
SAMPLE: CLP,VERSCDM,2565,SBLK00,L,S,PB8000,B,,420.1.0,4,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
ENHANCED (S 15B 2N 0T)

DATA: T2727 # 431
CALI: T2727 # 2

BASE M/Z: 43
RIC: 7071.

200251



Library Search Data: T2727 # 559 Base m/z: 43
05/23/90 14:03:00 + 9:19 Cali: T2727 # 2 RIC: 4263.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

42223 spectra in LIBRARYNB searched for maximum PURITY
97 matched at least 7 of the 14 largest peaks in the unknown

Rank	In.	Name
1	14475	METHANE, BIS(NEOPENTYLOXY)-
2	2723	2-FURANOL, TETRAHYDRO-2,3-DIMETHYL-, TRANS-
3	11452	UNDECANE, 2-METHYL-
4	11446	DECANE, 2,9-DIMETHYL-
5	13869	DODECANE, 2-METHYL-

Rank	Formula	M.Wt	B.Pk	Purity	Fit	RFit
1	C11.H24.O2	188	43	613	763	730
2	C6.H12.O2	116	43	583	632	838
3	C12.H26	170	43	526	663	591
4	C12.H26	170	43	508	656	559
5	C13.H28	184	43	508	656	562

Rank	Ret. Time	B.P. Int.	US.Par.1	US.Par.2	C.A.S. #
1	—	—	—	—	4457-17-4
2	—	—	—	—	61142-77-6
3	—	—	—	—	7045-71-8
4	—	—	—	—	1002-17-1
5	—	—	—	—	1560-97-0

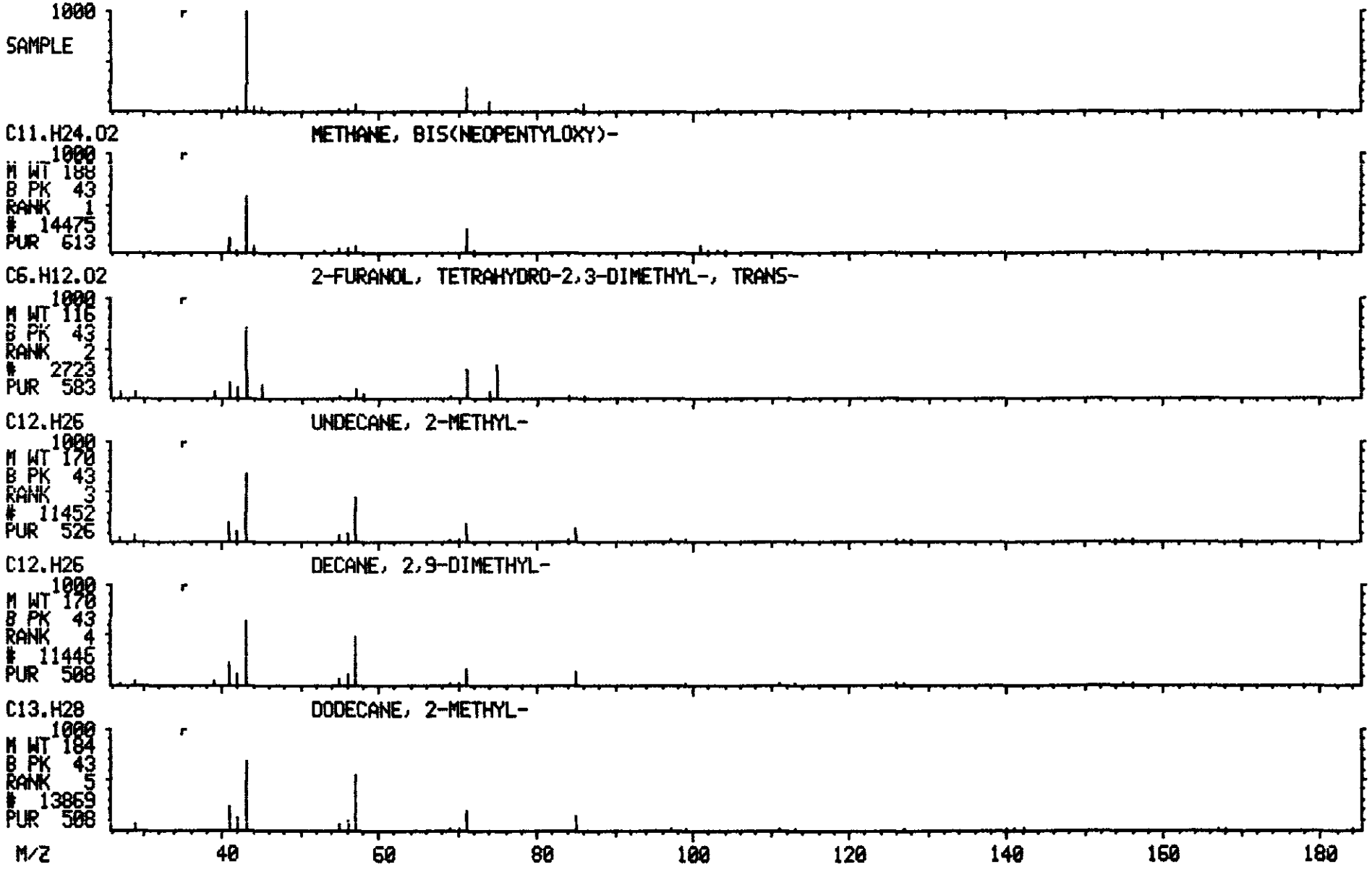
✓

200253

LIBRARY SEARCH
05/23/90 14:03:00 + 9:19
SAMPLE: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 30200C/MIN
ENHANCED (S 15B 2N 0T)

DATA: T2727 # 559
CALI: T2727 # 2

BASE M/Z: 43
RIC: 4263.



Library Search Data: T2727 #2007 Base m/z: 59
05/23/90 14:03:00 + 33:27 Cali: T2727 # 2 RIC: 7407.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B, ,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

42223 spectra in LIBRARYNB searched for maximum PURITY
188 matched at least 7 of the 16 largest peaks in the unknown

Rank	In.	Name
1	27222	9-OCTADECENAMIDE, (Z)-
2	1394	PENTANAMIDE
3	2594	HEXANAMIDE
4	12043	1,8-NONANEDIOL, 8-METHYL-
5	14253	3-DODECANOL

Rank	Formula	M.Wt	B.Pk	Purity	Fit	RFit
1	C18.H35.O.N	281	59	661	811	801
2	C5.H11.O.N	101	59	570	813	598
3	C6.H13.O.N	115	59	554	814	595
4	C10.H22.O2	174	59	533	798	593
5	C12.H26.O	186	59	530	847	607

Rank	Ret. Time	B.P. Int.	US.Par.1	US.Par.2	C.A.S. #
1	—	—	—	—	301-02-0
2	—	—	—	—	626-97-1
3	—	—	—	—	628-02-4
4	—	—	—	—	54725-73-4
5	—	—	—	—	10203-30-2

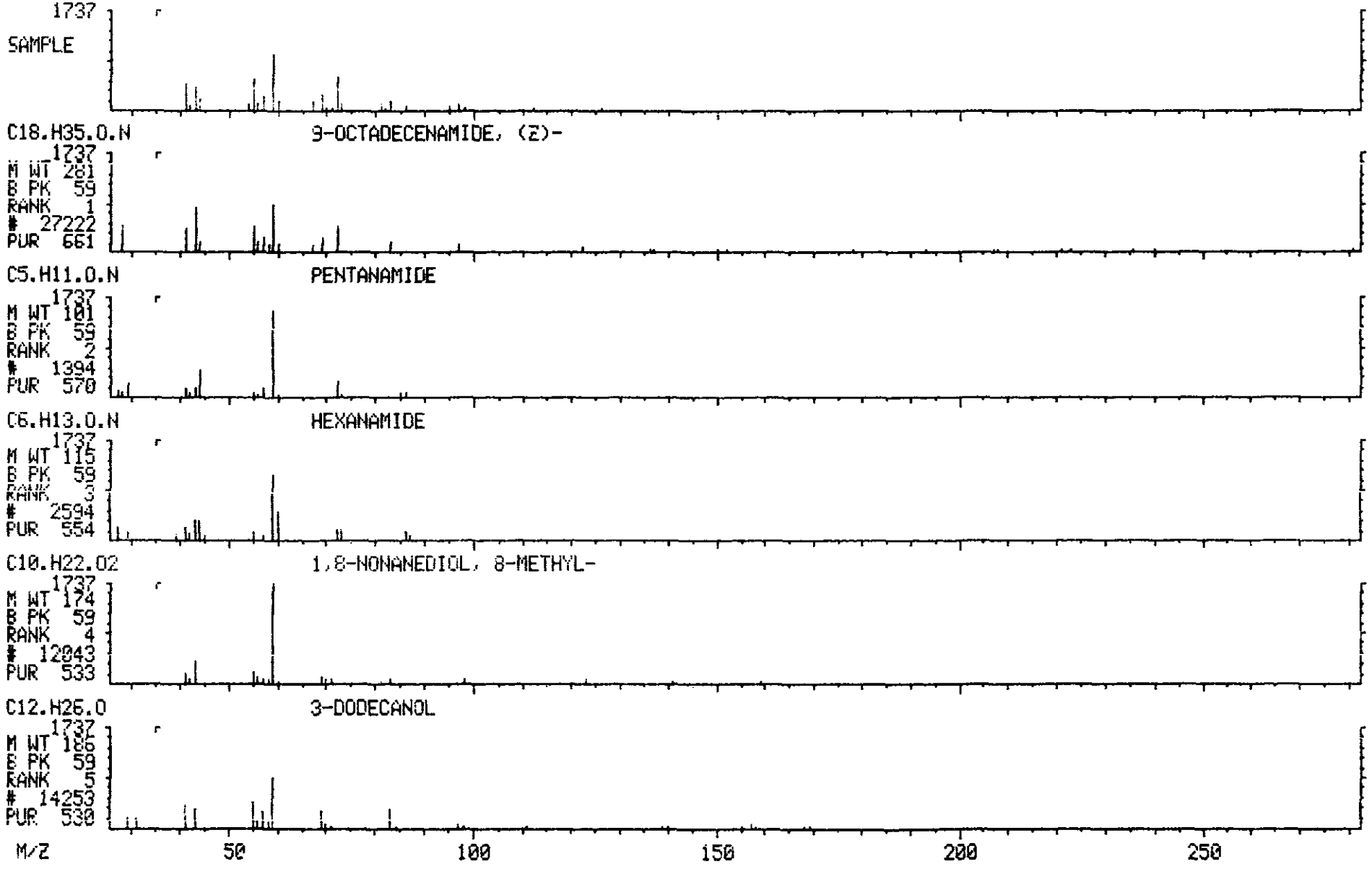
✓

200254

LIBRARY SEARCH
05/23/90 14:03:00 + 33:27
SAMPLE: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
ENHANCED (S 15B 2N 0T)

DATA: T2727 #2007
CALI: T2727 # 2

BASE M/Z: 59
RIC: 7407.



```
        >>>>INTERNAL STANDARD RIC REPORT<<<<
****************************INTERNAL STANDARD#1*****************RIC
Mass List                      Data: T2727 # 511          Base m/z:   150
05/23/90 14:03:00 +  8:31      Cali: T2727 #    2         RIC:      79360.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N 0T)

     35       0.00   0.00        0. Minima      Min inten:       0.
     30                      #    0  Maxima
****************************INTERNAL STANDARD#2*****************RIC
Mass List                      Data: T2727 # 729          Base m/z:   136
05/23/90 14:03:00 + 12:09      Cali: T2727 #    2         RIC:     109184.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N 0T)

     38       0.00   0.00        0. Minima      Min inten:       0.
     30                      #    0  Maxima
****************************INTERNAL STANDARD#3*****************RIC
Mass List                      Data: T2727 #1059          Base m/z:   164
05/23/90 14:03:00 + 17:39      Cali: T2727 #    2         RIC:     107648.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N 0T)

     38       0.00   0.00        0. Minima      Min inten:       0.
     30                      #    0  Maxima
****************************INTERNAL STANDARD#4*****************RIC
Mass List                      Data: T2727 #1340          Base m/z:   188
05/23/90 14:03:00 + 22:20      Cali: T2727 #    2         RIC:     127232.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N 0T)

     38       0.00   0.00        0. Minima      Min inten:       0.
     30                      #    0  Maxima
****************************INTERNAL STANDARD#5*****************RIC
Mass List                      Data: T2727 #1856          Base m/z:   240
05/23/90 14:03:00 + 30:56      Cali: T2727 #    2         RIC:      99200.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N 0T)

     40       0.00   0.00        0. Minima      Min inten:       0.
     30                      #    0  Maxima
****************************INTERNAL STANDARD#6*****************RIC
Mass List                      Data: T2727 #2135          Base m/z:   264
05/23/90 14:03:00 + 35:35      Cali: T2727 #    2         RIC:      63552.
Sample: CLP,VERSCDM,2565,SBLK00,L,S,RB8000,B,,420.1.0,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N 0T)

     42       0.00   0.00        0. Minima      Min inten:       0.
     30                      #    0  Maxima
     ANALYST: CHECK BASE M/Z AND RIC AMOUNT TO INSURE NO CONTAMINATION
```

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03

L Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4

Matrix: (soil/water) SOIL Lab Sample ID: SBLK03

Sample wt/vol: 1.0 (g/mL) G Lab File ID: T2606

Level: (low/med) MED Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/04/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/16/90

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	20000	U
111-44-4	bis(2-Chloroethyl)ether	20000	U
95-57-8	2-Chlorophenol	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
100-51-6	Benzyl alcohol	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
95-48-7	2-Methylphenol	20000	U
108-60-1	bis(2-Chloroisopropyl)ether	20000	U
106-44-5	4-Methylphenol	20000	U
621-64-7	N-Nitroso-di-n-propylamine	20000	U
67-72-1	Hexachloroethane	20000	U
98-95-3	Nitrobenzene	20000	U
78-59-1	Isophorone	20000	U
88-75-5	2-Nitrophenol	20000	U
105-67-9	2,4-Dimethylphenol	20000	U
65-85-0	Benzoic Acid	96000	U
111-91-1	bis(2-Chloroethoxy)methane	20000	U
120-83-2	2,4-Dichlorophenol	20000	U
120-82-1	1,2,4-Trichlorobenzene	20000	U
91-20-3	Naphthalene	20000	U
106-47-8	4-Chloroaniline	20000	U
87-68-3	Hexachlorobutadiene	20000	U
59-50-7	4-Chloro-3-methylphenol	20000	U
91-57-6	2-Methylnaphthalene	20000	U
77-47-4	Hexachlorocyclopentadiene	20000	U
88-06-2	2,4,6-Trichlorophenol	20000	U
95-95-4	2,4,5-Trichlorophenol	96000	U
91-58-7	2-Chloronaphthalene	20000	U
88-74-4	2-Nitroaniline	96000	U
131-11-3	Dimethylphthalate	20000	U
208-96-8	Acenaphthylene	20000	U
606-20-2	2,6-Dinitrotoluene	20000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03

L Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4

Matrix: (soil/water) SOIL Lab Sample ID: SBLK03

Sample wt/vol: 1.0 (g/mL) G Lab File ID: T2606

Level: (low/med) MED Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/04/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/16/90

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	96000	U
83-32-9	Acenaphthene	20000	U
51-28-5	2,4-Dinitrophenol	96000	U
100-02-7	4-Nitrophenol	96000	U
132-64-9	Dibenzofuran	20000	U
121-14-2	2,4-Dinitrotoluene	20000	U
84-66-2	Diethylphthalate	20000	U
7005-72-3	4-Chlorophenyl-phenylether	20000	U
86-73-7	Fluorene	20000	U
100-01-6	4-Nitroaniline	96000	U
534-52-1	4,6-Dinitro-2-methylphenol	96000	U
86-30-6	N-nitrosodiphenylamine (1)	20000	U
101-55-3	4-Bromophenyl-phenylether	20000	U
118-74-1	Hexachlorobenzene	20000	U
87-86-5	Pentachlorophenol	96000	U
85-01-8	Phenanthrene	20000	U
120-12-7	Anthracene	20000	U
84-74-2	Di-n-butylphthalate	20000	U
206-44-0	Fluoranthene	20000	U
129-00-0	Pyrene	20000	U
85-68-7	Butylbenzylphthalate	20000	U
91-94-1	3,3'-Dichlorobenzidine	40000	U
56-55-3	Benzo(a)anthracene	20000	U
218-01-9	Chrysene	20000	U
117-81-7	bis(2-Ethylhexyl)phthalate	20000	U
117-84-0	Di-n-octyl phthalate	20000	U
205-99-2	Benzo(b)fluoranthene	20000	U
207-08-9	Benzo(k)fluoranthene	20000	U
50-32-8	Benzo(a)pyrene	20000	U
193-39-5	Indeno(1,2,3-cd)pyrene	20000	U
53-70-3	Dibenz(a,h)anthracene	20000	U
191-24-2	Benzo(g,h,i)perylene	20000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK03

L Name: VERSAR INC. Contract: _____

Lab Code: VERSAR Case No.: R3-7 SAS No.: _____ SDG No.: 4

Matrix: (soil/water) SOIL Lab Sample ID: SBLK03

Sample wt/vol: 1.0 (g/mL) G Lab File ID: T2606

Level: (low/med) MED Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 05/04/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/16/90

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

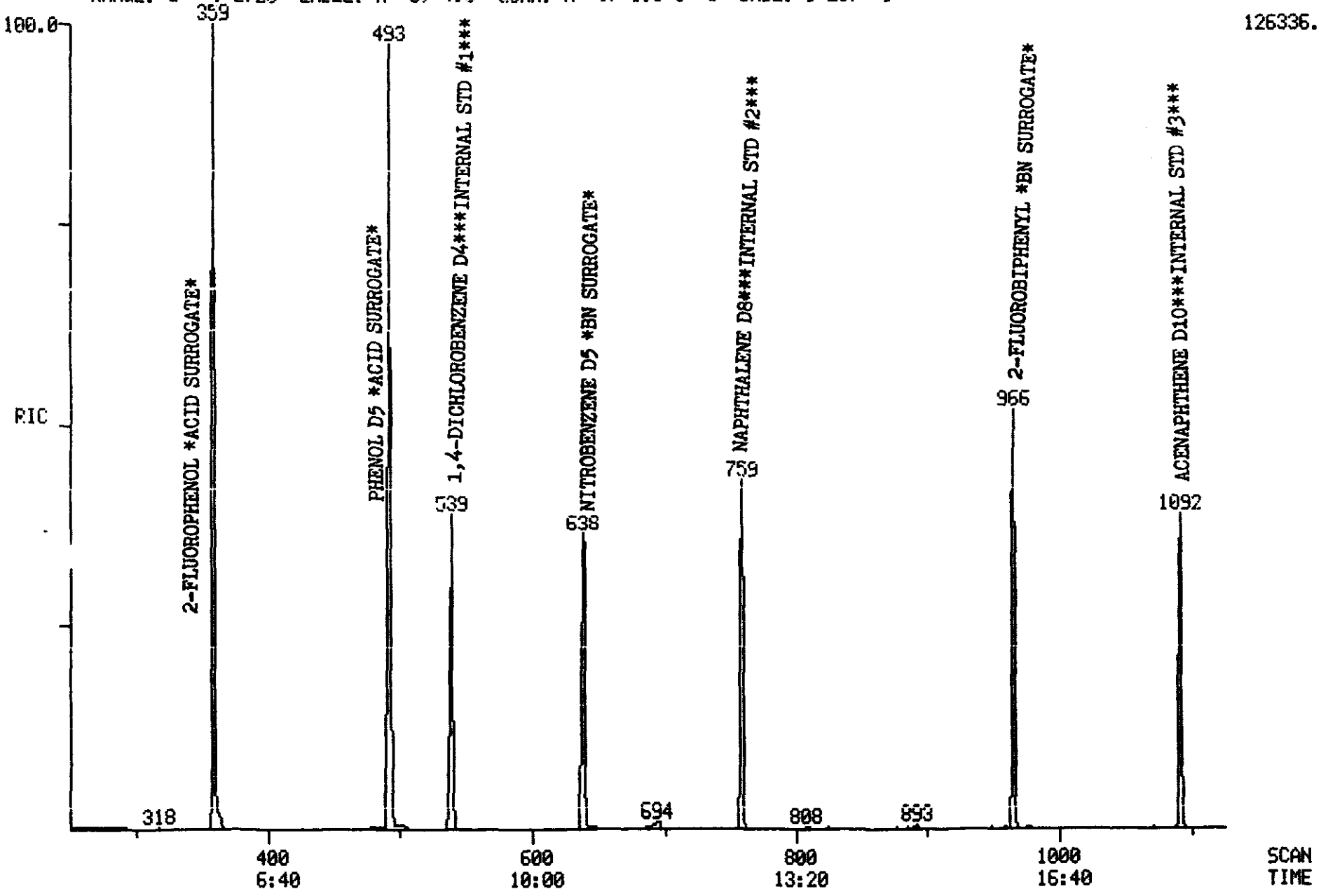
Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

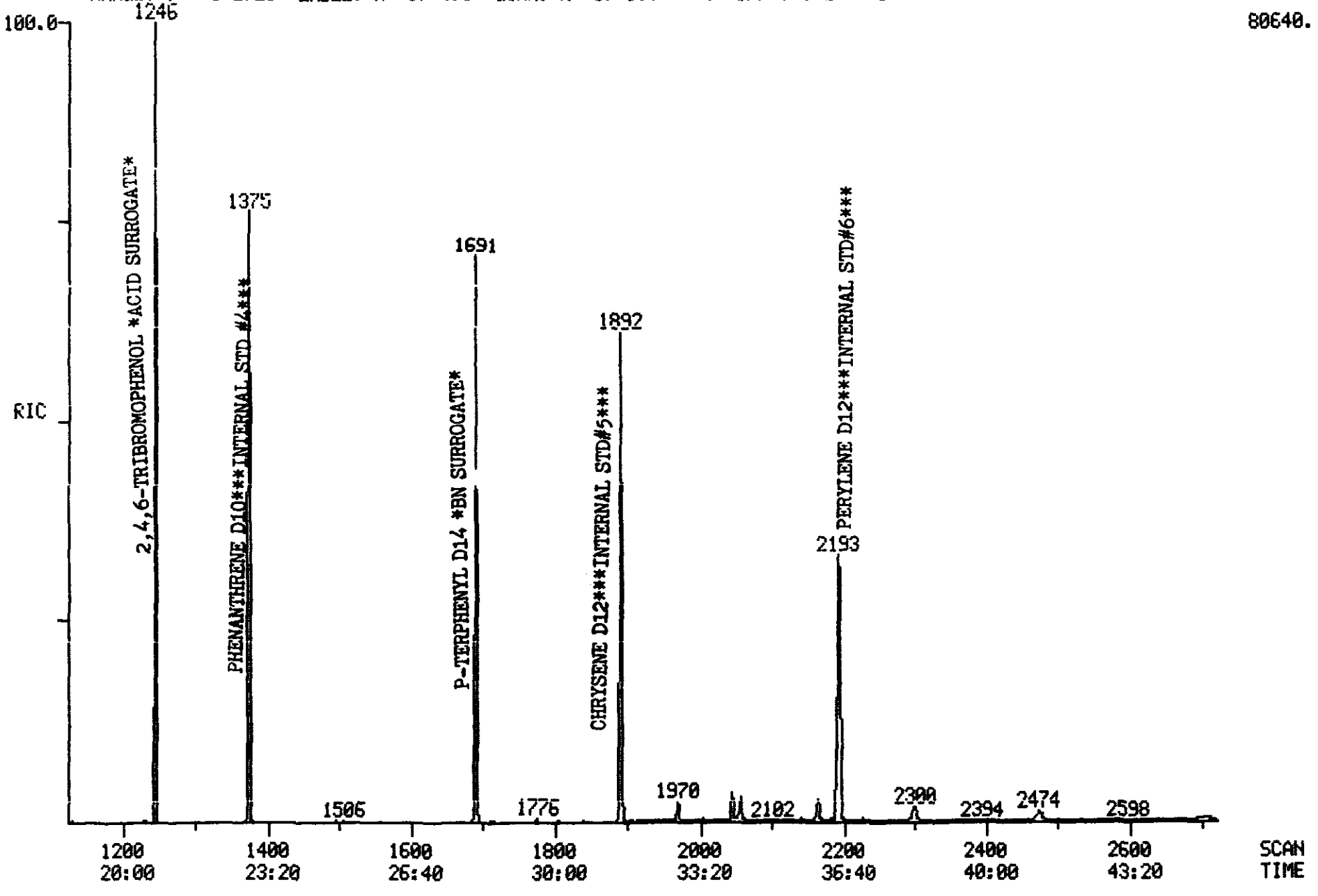
200260

RIC DATA: T2606 #1 SCANS 250 TO 1125
05/16/90 6:13:00 CALI: T2606 #2
SAMPLE: CLP,VERSCDM,2565,SBLK03,M,S,RB2003,B,BLK,420.1,4,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
RANGE: G 1.2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



200261

RIC DATA: T2606 #1 SCANS 1125 TO 2720
05/16/90 6:13:00 CALI: T2606 #2
SAMPLE: CLP,VERSCOM,2565,SBLK03,M,S,PB8003,B,BLK,420.1,4,1UL,
CONDS.: INST T COLUMN=RESTEK 30M RTX-5 4MIN038C TO 30208C/MIN
RANGE: C 1,2720 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: T2606

Data: T2606.TI
05/16/90 6:13:00
Sample: CLP,VERSCDM,2565,SBLK03,M,S,RB8003,B,BLK,420.1,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: 420.1

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	C330 2-CHLOROPHENOL
3	C315 PHENOL
4	C325 BIS (2-CHLOROETHYL) ETHER
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C360 BIS (2-CHLOROISOPROPYL) ETHER
10	C355 2-METHYLPHENOL
11	C375 HEXACHLOROETHANE
12	C365 4-METHYLPHENOL
13	C370 N-NITROSO-DI-N-PROPYLAMINE
14	CS50 2-FLUOROPHENOL**ACID SURR.**
15	CS45 PHENOL-D5**ACID SURR.**
16	CI40 NAPHTHALENE-D8**INT. STD.#2**
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C435 BIS (2-CHLOROETHOXY) METHANE
22	C440 2,4-DICHLOROPHENOL
23	C445 1,2,4-TRICHLOROBENZENE
24	C450 NAPHTHALENE
25	C430 BENZOIC ACID
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 NITROBENZENE-D5**BN SURR.**
31	CI50 ACENAPHTHENE-D10**INT. STD.#3**
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C540 ACENAPHTHYLENE
38	C535 DIMETHYL PHTHALATE
39	C544 2,6-DINITROTOLUENE
40	C550 ACENAPHTHENE
41	C545 3-NITROANILINE
42	C555 2,4-DINITROPHENOL
43	C565 DIBENZOFURAN
44	C560 4-NITROPHENOL
45	C570 2,4-DINITROTOLUENE
46	C590 FLUORENE
47	C585 4-CHLOROPHENYL-PHENYLETHER

T acid surrogate ~~recovery high~~ O.K.
All ~~other~~ surrogates & IS areas compliant.
SJD 5-16-90

NO L.S.
No HSL's QUANT.
MATempleton 5-19-90

READY FOR FORMS
MAT 5-19-90

200262

T2606

No	Name
48	C580 DIETHYLPHTHALATE
49	C595 4-NITROANILINE
50	C610 4,6-DINITRO-2-METHYLPHENOL

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	539	8:59	1	1.000	A BB	10416.	40.000	NG/UL	6.11
2	NOT FOUND									
3	NOT FOUND									
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	NOT FOUND									
9	NOT FOUND									
10	NOT FOUND									
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	112	359	5:59	1	0.666	A BB	35540.	111.991	NG*A1	17.09
15	99	493	8:13	1	0.915	A BB	42248.	89.630	NG*A2	13.69
16	136	759	12:39	16	1.000	A BB	33321.	40.000	NG/UL	6.11
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	NOT FOUND									
27	NOT FOUND									
28	NOT FOUND									
29	NOT FOUND									
30	82	638	10:38	16	0.841	A BB	30660.	45.371	NG*B1	6.93
31	164	1092	18:12	31	1.000	A BB	26109.	40.000	NG/UL	6.11
32	NOT FOUND									
33	NOT FOUND									
34	NOT FOUND									
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	NOT FOUND									
39	NOT FOUND									
40	NOT FOUND									
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	NOT FOUND									
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

T2606

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	8:31		0.948						
3	8:14		0.917						
4	8:27		0.941						
5	8:52		0.987						
6	9:01		1.004						
7	9:32		1.061						
8	9:28		1.054						
9	9:54		1.102						
10	9:49		1.093						
11	10:20		1.150						
12	10:14		1.139						
13	10:18		1.147						
14	5:58	1.00	0.664	1.00	111.99	50.00	2.730	1.219	2.24
15	8:12	1.00	0.913	1.00	89.63	50.00	3.245	1.810	1.79
16	12:39	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	10:42		0.846						
18	11:21		0.897						
19	11:36		0.917						
20	11:46		0.930						
21	12:05		0.955						
22	12:17		0.971						
23	12:32		0.991						
24	12:42		1.004						
25	12:08		0.959						
26	13:01		1.029						
27	13:15		1.047						
28	14:32		1.149						
29	14:50		1.173						
30	10:38	1.00	0.841	1.00	45.37	50.00	0.736	0.811	0.91
31	18:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	15:32		0.853						
33	15:51		0.871						
34	15:57		0.876						
35	16:22		0.899						
36	16:54		0.929						
37	17:43		0.973						
38	17:37		0.968						
39	17:51		0.981						
40	18:19		1.006						
41	18:15		1.003						
42	18:33		1.019						
43	18:49		1.034						
44	18:49		1.034						
45	19:04		1.048						
46	19:55		1.094						
47	19:58		1.097						
48	19:53		1.092						
49	20:15		1.113						
50	20:20		1.117						

Quantitation Report File: T2606

Data: T2606.TI
05/16/90 6:13:00
Sample: CLP,VERSCDM,2565,SBLK03,M,S,RB8003,B,BLK,420.1,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: 420.1

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

No	Name
51	C615 N-NITROSODIPHENYLAMINE
52	C625 4-BROMOPHENYL-PHENYLETHER
53	C630 HEXACHLOROBENZENE
54	CS25 2-FLUOROBIPHENYL**BN SURR.**
55	CI60 PHENANTHRENE-D10**INT. STD.#4**
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C715 PYRENE
62	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
63	CI70 CHRYSENE-D12**INT. STD.#5**
64	C720 BUTYLBENZYLPHTHALATE
65	C730 BENZO(A)ANTHRACENE
66	C740 CHRYSENE
67	C725 3,3'-DICHLOROBENZIDINE
68	C741 BIS(2-ETHYLHEXYL)PHTHALATE
69	CS30 P-TERPHENYL-D14**BN SURR.**
70	CI75 PERYLENE-D12**INT. STD.#6**
71	C760 DI-N-OCTYL PHTHALATE
72	C765 BENZO(B)FLUORANTHENE
73	C770 BENZO(K)FLUORANTHENE
74	C775 BENZO(A)PYRENE
75	C780 INDENO(1,2,3-CD)PYRENE
76	C785 DIBENZ(A,H)ANTHRACENE
77	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	172	966	16:06	31	0.885	A BB	37798.	44.744 NG*B2	6.83
55	188	1375	22:55	55	1.000	A BB	56061.	40.000 NG/UL	6.11
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	149	1505	25:05	55	1.095	A BB	280.	BRL ~~0.118 NG~~	0.02
60	NOT FOUND								
61	NOT FOUND								
62	330	1245	20:45	31	1.140	A BB	18700.	82.067 NG*A3	12.53
63	240	1891	31:31	63	1.000	A BB	49373.	40.000 NG/UL	6.11
64	NOT FOUND								
65	NOT FOUND								
66	NOT FOUND								

T2606

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
67	NOT FOUND								
68	NOT FOUND								
69	244	1691	28:11	63	0.894	A BB	46910.	41.348 NG*B3	6.31
70	264	2193	36:33	70	1.000	A BB	46802.	40.000 NG/UL	6.11
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	20:25		1.122						
52	21:32		1.183						
53	21:56		1.205						
54	16:06	1.00	0.885	1.00	44.74	50.00	1.158	1.294	0.89
55	22:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
56	22:33		0.983						
57	23:01		1.004						
58	23:09		1.009						
59	25:08	1.00	1.096	1.00	0.12	50.00	0.004	1.691	0.00
60	26:54		1.173						
61	27:37		0.875						
62	20:47	1.00	1.142	1.00	82.07	50.00	0.573	0.349	1.64
63	31:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
64	29:59		0.950						
65	31:31		0.998						
66	31:39		1.003						
67	31:33		0.999						
68	31:50		1.008						
69	28:13	1.00	0.894	1.00	41.35	50.00	0.760	0.919	0.83
70	36:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
71	33:41		0.920						
72	35:02		0.957						
73	35:08		0.959						
74	36:22		0.993						
75	42:30		1.161						
76	42:41		1.166						
77	44:19		1.210						

Quantitation Report File: QCREF

Data: T2606.TI
05/16/90 6:13:00
Sample: CLP,VERSCDM,2565,SBLK03,M,S,RB8003,B,BLK,420.1,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: 420 1

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	CI40 NAPHTHALENE-D8**INT. STD.#2**
3	CI50 ACENAPHTHENE-D10**INT. STD.#3**
4	CI60 PHENANTHRENE-D10**INT. STD.#4**
5	CI70 CHRYSENE-D12**INT. STD.#5**
6	CI75 PERYLENE-D12**INT. STD.#6**
7	CS50 2-FLUOROPHENOL**ACID SURR.**
8	CS45 PHENOL-D5**ACID SURR.**
9	CS55 2,4,6,-TRIBROMOPHENOL**ACID SURR.**
10	CS20 NITROBENZENE-D5**BN SURR.**
11	CS25 2-FLUOROBIPHENYL**BN SURR.**
12	CS30 P-TERPHENYL-D14**BN SURR.**

Scan	Time	Area(Hght)	Amount	Name
539	8:59	10416.	40.000 NG/UL	CI30 1,4-DICHLOROBENZENE-D4
759	12:39	33321. 90	40.000 NG/UL	CI40 NAPHTHALENE-D8**INT. ST
1092	18:12	26109.	40.000 NG/UL	CI50 ACENAPHTHENE-D10**INT.
1375	22:55	56061. Rec	40.000 NG/UL	CI60 PHENANTHRENE-D10**INT.
1891	31:31	49373.	40.000 NG/UL	CI70 CHRYSENE-D12**INT. STD.
2193	36:33	46802.	40.000 NG/UL	CI75 PERYLENE-D12**INT. STD.
359	5:59	35540.* 112	111.991 NG*A1	CS50 2-FLUOROPHENOL**ACID SU
493	8:13	42248. 90	89.630 NG*A2	CS45 PHENOL-D5**ACID SURR **
1245	20:45	18700. 82	82.067 NG*A3	CS55 2,4,6,-TRIBROMOPHENOL**
638	10:38	30660. 91	45.371 NG*B1	CS20 NITROBENZENE-D5**BN SUR
966	16:06	37798. 89	44.744 NG*B2	CS25 2-FLUOROBIPHENYL**BN SU
1691	28:11	46910. 93	41.348 NG*B3	CS30 P-TERPHENYL-D14**BN SUR

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:39	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	18:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	22:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	31:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	36:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:58	1.00	0.664	1.00	111.99	50.00	2.730	1.219	2.24
8	8:12	1.00	0.913	1.00	89.63	50.00	3.245	1.810	1.79
9	20:47	1.00	1.142	1.00	82.07	50.00	0.573	0.349	1.64
10	10:38	1.00	0.841	1.00	45.37	50.00	0.736	0.811	0.91
11	16:06	1.00	0.885	1.00	44.74	50.00	1.158	1.294	0.89
12	28:13	1.00	0.894	1.00	41.35	50.00	0.760	0.919	0.83

Quantitation Report File: ISREF

Data: T2598.TI
05/15/90 22:57:00
Sample: CLP,,,SSTD50,,,22658,B,CC50,,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.003
Submitted by: VERSAR Analyst: TS Acct. No.: ---

Data: T2606.TI
05/16/90 6:13:00
Sample: CLP,VERSCDM,2565,SBLK03,M,S,R88003,B,BLK,420.1,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Formula: --- Instrument: T Weight: 0.004
Submitted by: VERSAR Analyst: TS Acct. No.: 420.1

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

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
2	CI30 1,4-DICHLOROBENZENE-D4 **INT. STD. #1**
3	CI40 NAPHTHALENE-D8**INT. STD.#2**
4	CI40 NAPHTHALENE-D8**INT. STD.#2**
5	CI50 ACENAPHTHENE-D10**INT. STD.#3**
6	CI50 ACENAPHTHENE-D10**INT. STD.#3**
7	CI60 PHENANTHRENE-D10**INT. STD.#4**
8	CI60 PHENANTHRENE-D10**INT. STD.#4**
9	CI70 CHRYSENE-D12**INT. STD.#5**
10	CI70 CHRYSENE-D12**INT. STD.#5**
11	CI75 PERYLENE-D12**INT. STD.#6**
12	CI75 PERYLENE-D12**INT. STD.#6**

Scan	Time	Area(Hght)	Amount	Name
539	8:59	8002.	40.000 NG/UL	CI30 1,4-DICHLOROBENZENE-D4
539	8:59	10416.	52.067 NG/UL	CI30 1,4-DICHLOROBENZENE-D4
759	12:39	27483.	40.000 NG/UL	CI40 NAPHTHALENE-D8**INT. ST
759	12:39	33321.	48.497 NG/UL	CI40 NAPHTHALENE-D8**INT. ST
1092	18:12	21537.	40.000 NG/UL	CI50 ACENAPHTHENE-D10**INT.
1092	18:12	26109.	48.491 NG/UL	CI50 ACENAPHTHENE-D10**INT.
1376	22:56	48429.	40.000 NG/UL	CI60 PHENANTHRENE-D10**INT.
1375	22:55	56061.	46.304 NG/UL	CI60 PHENANTHRENE-D10**INT.
1894	31:34	47266.	40.000 NG/UL	CI70 CHRYSENE-D12**INT. STD.
1891	31:31	49373.	41.783 NG/UL	CI70 CHRYSENE-D12**INT. STD.
2197	36:37	39233.	40.000 NG/UL	CI75 PERYLENE-D12**INT. STD.
2193	36:33	46802.	47.717 NG/UL	CI75 PERYLENE-D12**INT. STD.

```
                    >>>>INTERNAL STANDARD RIC REPORT<<<<
*****************************INTERNAL STANDARD#1*****************RIC
Mass List                      Data: T2606 # 539          Base m/z:  150
05/16/90  6:13:00 +  8:59     Cali: T2606 #   2          RIC:      42240.
Sample: CLP,VERSCDM,2565,SBLK03,M,S,RB8003,B,BLK,420.1,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

     35       0.00   0.00        0. Minima     Min inten:       0.
     30                      #   0  Maxima
*****************************INTERNAL STANDARD#2*****************RIC
Mass List                      Data: T2606 # 759          Base m/z:  136
05/16/90  6:13:00 + 12:39     Cali: T2606 #   2          RIC:      46720.
Sample: CLP,VERSCDM,2565,SBLK03,M,S,RB8003,B,BLK,420.1,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

     38       0.00   0.00        0. Minima     Min inten:       0.
     30                      #   0  Maxima
*****************************INTERNAL STANDARD#3*****************RIC
Mass List                      Data: T2606 #1092          Base m/z:  164
05/16/90  6:13:00 + 18:12     Cali: T2606 #   2          RIC:      42240.
Sample: CLP,VERSCDM,2565,SBLK03,M,S,RB8003,B,BLK,420.1,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

     38       0.00   0.00        0. Minima     Min inten:       0.
     30                      #   0  Maxima
*****************************INTERNAL STANDARD#4*****************RIC
Mass List                      Data: T2606 #1375          Base m/z:  188
05/16/90  6:13:00 + 22:55     Cali: T2606 #   2          RIC:      54528.
Sample: CLP,VERSCDM,2565,SBLK03,M,S,RB8003,B,BLK,420.1,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

     38       0.00   0.00        0. Minima     Min inten:       0.
     30                      #   0  Maxima
*****************************INTERNAL STANDARD#5*****************RIC
Mass List                      Data: T2606 #1891          Base m/z:  240
05/16/90  6:13:00 + 31:31     Cali: T2606 #   2          RIC:      43776.
Sample: CLP,VERSCDM,2565,SBLK03,M,S,RB8003,B,BLK,420.1,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

     40       0.00   0.00        0. Minima     Min inten:       0.
     30                      #   0  Maxima
*****************************INTERNAL STANDARD#6*****************RIC
Mass List                      Data: T2606 #2139          Base m/z:   73
05/16/90  6:13:00 + 35:39     Cali: T2606 #   2          RIC:        14.
Sample: CLP,VERSCDM,2565,SBLK03,M,S,RB8003,B,BLK,420.1,4,1UL,
Conds.: INST T COLUMN=RESTEK 30M RTX-5 4MIN@38C TO 302@8C/MIN
Enhanced (S 15B 2N OT)

     73       0.00   0.00        0. Minima     Min inten:       0.
     30                      #   0  Maxima

    ANALYST: CHECK BASE M/Z AND RIC AMOUNT TO INSURE NO CONTAMINATION
```

200269

Versar INC.

VI. SAMPLE PREPARATION PACKAGE

1. Parameter Request Sheet
2. Screening Data Summary (soils only)
3. Comments
   a. Extraction
   b. Volatiles
   c. Semivolatiles
   d. Pesticides
4. Extraction Worksheets
   a. Chronicle
   b. Dry Weight Factor (soils only)
   c. Dilution Factor (B) Worksheets
5. Injection Sequence Logs
6. Chain of Custody

VERSAR LIMS

Revised

04/26/90

VERSAR LABORATORY OPERATIONS
PARAMETER REQUEST SHEET

Deliver To: 46

Control: 2565
Code: VERSCDM
Batch: 4
Job Number: 420.1.0

Case: R3-7
SDG: 4
Quote: 9000194 - 90
Charge:

Manager: BECKMAN
Company: VERSAR DIV 31

Site: CDM

Received: 23-APR-90
Due: 21-MAY-90

Sampled: 19-APR-90
Report: 21-MAY-90
Disposal: 30-AUG-90

QC Level:
Deliver:

Rep Type:
Required: 1 Full, 1 Summary

Comments: Protocols - See VERSCDM-2(2536); Do 1 set of water QC for METALS ONLY. No sample QC for soils.

Test	Sample	X	C	Field Number	Matrix	Location	Other Tests
BNAL - 48							
	16909	A		4 — MID	SOIL	A-34	XBNA
	16910	A		8	SOIL	A-34	XBNA
	16911	A		9	SOIL	A-34	XBNA
	16912	A		10 } MID	SOIL	A-34	XBNA
	16913	A		11	SOIL	A-34	XBNA
	16914	A		12	SOIL	A-34	XBNA
	16915	A		13	SOIL	A-34	XBNA
	16916	A		14	SOIL	A-34	XBNA
	16917	A		15	SOIL	A-34	XBNA
	16918	A		GW-1	HOH	A-34	XACD XBN PEST XPES
CLPM - 43							
	16928	A		4	SOIL	A-34	
	16929	A		8	SOIL	A-34	
	16930	A		9	SOIL	A-34	
	16931	A		10	SOIL	A-34	
	16932	A		11	SOIL	A-34	
	16933	A		12	SOIL	A-34	
	16934	A		13	SOIL	A-34	
	16935	A		14	SOIL	A-34	
	16936	A		15	SOIL	A-34	
	16937	A		GW-1	HOH	A-34	
	16948	A		GW-1	DHOH	A-34	
CNM - 44							
	16938	A		4	SOIL	A-34	TS
	16939	A		8	SOIL	A-34	TS
	16940	A		9	SOIL	A-34	TS
	16941	A		10	SOIL	A-34	TS
	16942	A		11	SOIL	A-34	TS
	16943	A		12	SOIL	A-34	TS
	16944	A		13	SOIL	A-34	TS
	16945	A		14	SOIL	A-34	TS
	16946	A		15	SOIL	A-34	TS

Continued ->

200271

Control #: 2565

Test	Sample	X	C	Field Number	Matrix	Location	Other Tests		
	16947	A		GW-1	HOH	A-34			
PEST - 47									
	16918	A		GW-1	HOH	A-34	XACD	XBN	XPES
							BNAL		
	16919	A		4	SOIL	A-34	XPES		
	16920	A		8	SOIL	A-34	XPES		
	16921	A		9	SOIL	A-34	XPES		
	16922	A		10	SOIL	A-34	XPES		
	16923	A		11	SOIL	A-34	XPES		
	16924	A		12	SOIL	A-34	XPES		
	16925	A		13	SOIL	A-34	XPES		
	16926	A		14	SOIL	A-34	XPES		
	16927	A		15	SOIL	A-34	XPES		
TCBN - 48									
	16960	B		11	SOIL	A-34	TCLX	TCLM	XTCB
							TCPS	XTCP	TCHB
							XTCH		
TCHB - 47									
	16960	B		11	SOIL	A-34	TCLX	TCLM	TCBN
							XTCB	TCPS	XTCP
							XTCH		
TCLM - 43									
	16960	B		11	SOIL	A-34	TCLX	TCBN	XTCB
							TCPS	XTCP	TCHB
							XTCH		
TCLV - 48									
	16961	B		11	SOIL	GC/MS	ZHE		
TCLX - 43									
	16960	B		11	SOIL	A-34	TCLM	TCBN	XTCB
							TCPS	XTCP	TCHB
							XTCH		
TCPS - 47									
	16960	B		11	SOIL	A-34	TCLX	TCLM	TCBN
							XTCB	XTCP	TCHB
							XTCH		
TS - 44									
	16938	A		4	SOIL	A-34	CNM		
	16939	A		8	SOIL	A-34	CNM		
	16940	A		9	SOIL	A-34	CNM		
	16941	A		10	SOIL	A-34	CNM		
	16942	A		11	SOIL	A-34	CNM		
	16943	A		12	SOIL	A-34	CNM		
	16944	A		13	SOIL	A-34	CNM		
	16945	A		14	SOIL	A-34	CNM		
	16946	A		15	SOIL	A-34	CNM		
	16949	B		4	SOIL	GC/MS	VOAL		
	16950	B		8	SOIL	GC/MS	VOAL		
	16951	B		9	SOIL	GC/MS	VOAL		
	16952	B		10	SOIL	GC/MS	VOAL		
	16953	B		11	SOIL	GC/MS	VOAL		
	16954	B		12	SOIL	GC/MS	VOAL		
	16955	B		13	SOIL	GC/MS	VOAL		
	16956	B		14	SOIL	GC/MS	VOAL		
	16957	B		15	SOIL	GC/MS	VOAL		
VOAL - 48									
	16949	B		4	SOIL	GC/MS	TS		

Continued ->

200272

Control #: 2565

Test	Sample	X	C	Field Number	Matrix	Location	Other Tests		
	16950	B		8	SOIL	GC/MS	TS		
	16951	B		9	SOIL	GC/MS	TS		
	16952	B		10	SOIL	GC/MS	TS		
	16953	B		11	SOIL	GC/MS	TS		
	16954	B		12	SOIL	GC/MS	TS		
	16955	B		13	SOIL	GC/MS	TS		
	16956	B		14	SOIL	GC/MS	TS		
	16957	B		15	SOIL	GC/MS	TS		
	16958	B		GW-1	HOH	GC/MS			
	16959	B		TB-2	HOH	GC/MS			
XACD - 46									
	16918	A		GW-1	HOH	A-34	XBN	PEST	XPES
							BNAL		
XBN - 46									
	16918	A		GW-1	HOH	A-34	XACD	PEST	XPES
							BNAL		
XBNA - 46									
	16909	A		4	SOIL	A-34	BNAL		
	16910	A		8	SOIL	A-34	BNAL		
	16911	A		9	SOIL	A-34	BNAL		
	16912	A		10	SOIL	A-34	BNAL		
	16913	A		11	SOIL	A-34	BNAL		
	16914	A		12	SOIL	A-34	BNAL		
	16915	A		13	SOIL	A-34	BNAL		
	16916	A		14	SOIL	A-34	BNAL		
	16917	A		15	SOIL	A-34	BNAL		
XPES - 46									
	16918	A		GW-1	HOH	A-34	XACD	XBN	PEST
							BNAL		
	16919	A		4	SOIL	A-34	PEST		
	16920	A		8	SOIL	A-34	PEST		
	16921	A		9	SOIL	A-34	PEST		
	16922	A		10	SOIL	A-34	PEST		
	16923	A		11	SOIL	A-34	PEST		
	16924	A		12	SOIL	A-34	PEST		
	16925	A		13	SOIL	A-34	PEST		
	16926	A		14	SOIL	A-34	PEST		
	16927	A		15	SOIL	A-34	PEST		
XTCB - 46									
	16960	B		11	SOIL	A-34	TCLX	TCLM	TCBN
							TCPS	XTCP	TCHB
							XTCH		
XTCH - 46									
	16960	B		11	SOIL	A-34	TCLX	TCLM	TCBN
							XTCB	TCPS	XTCP
							TCHB		
XTCP - 46									
	16960	B		11	SOIL	A-34	TCLX	TCLM	TCBN
							XTCB	TCPS	TCHB
							XTCH		
ZHE - 43									
	16961	B		11	SOIL	GC/MS	TCLV		

200273

Control #2565

PROJECT VERSCON

CASE R3-7

BATCH 4

DATE 4-25-90

PHENANTHRENE SPIKE NO. B420

EXTRACTION PARAMETER BNA

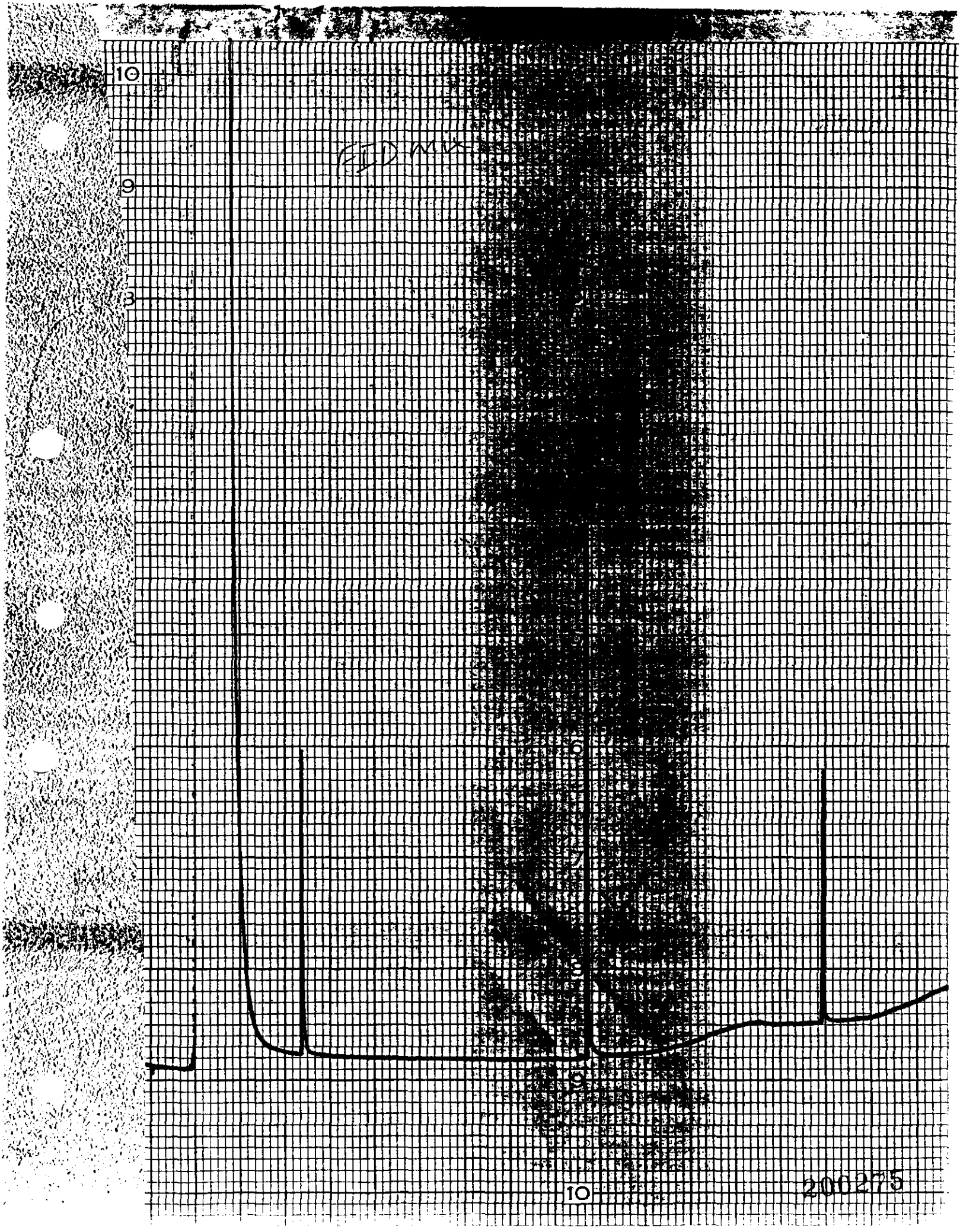
DO THESE SAMPLES APPEAR TO NEED GPC CLEAN-UP YES ☒ NO ☐
(Base Judgement On Visual Appearance Of The Screen Extract)

PAGE 1 OF 1

200274

VERSAR SAMPLE NUMBER	FIELD SAMPLE NUMBER	SAMPLE WEIGHT IN GRAMS	SPIKE VOL. PHENANTHRENE	TOTAL EXTRACTION VOLUME	VOLUME TO BNA	BNA FINAL VOLUME	SAMPLE COMMENTS
16909/16919	4	1.07	1mL	10mL	5mL	1mL	MID
16910/16920	8	1.02	1mL	10mL	5mL	1mL	Low with GPC ~~MID~~
16911/16921	9	1.13	1mL	10mL	5mL	1mL	MID
16912/16922	10	1.01	1mL	10mL	5mL	1mL	MID —
16913/16923	11	1.03	1mL	10mL	5mL	1mL	MID
16914/16924	12	1.04	1mL	10mL	5mL	1mL	Low with GPC
16915/16925	13	1.02	1mL	10mL	5mL	1mL	Low with GPC
16916/16926	14	1.00	1mL	10mL	5mL	1mL	Low with GPC
16917/16927	15	1.02	1mL	10mL	5mL	1mL	Low with GPC
RB 7953	BLK 53	—	1mL	10mL	5mL	1mL	OK
MH 4-25-90	MH	4-25-90		MH	4-25-90	MH	

MH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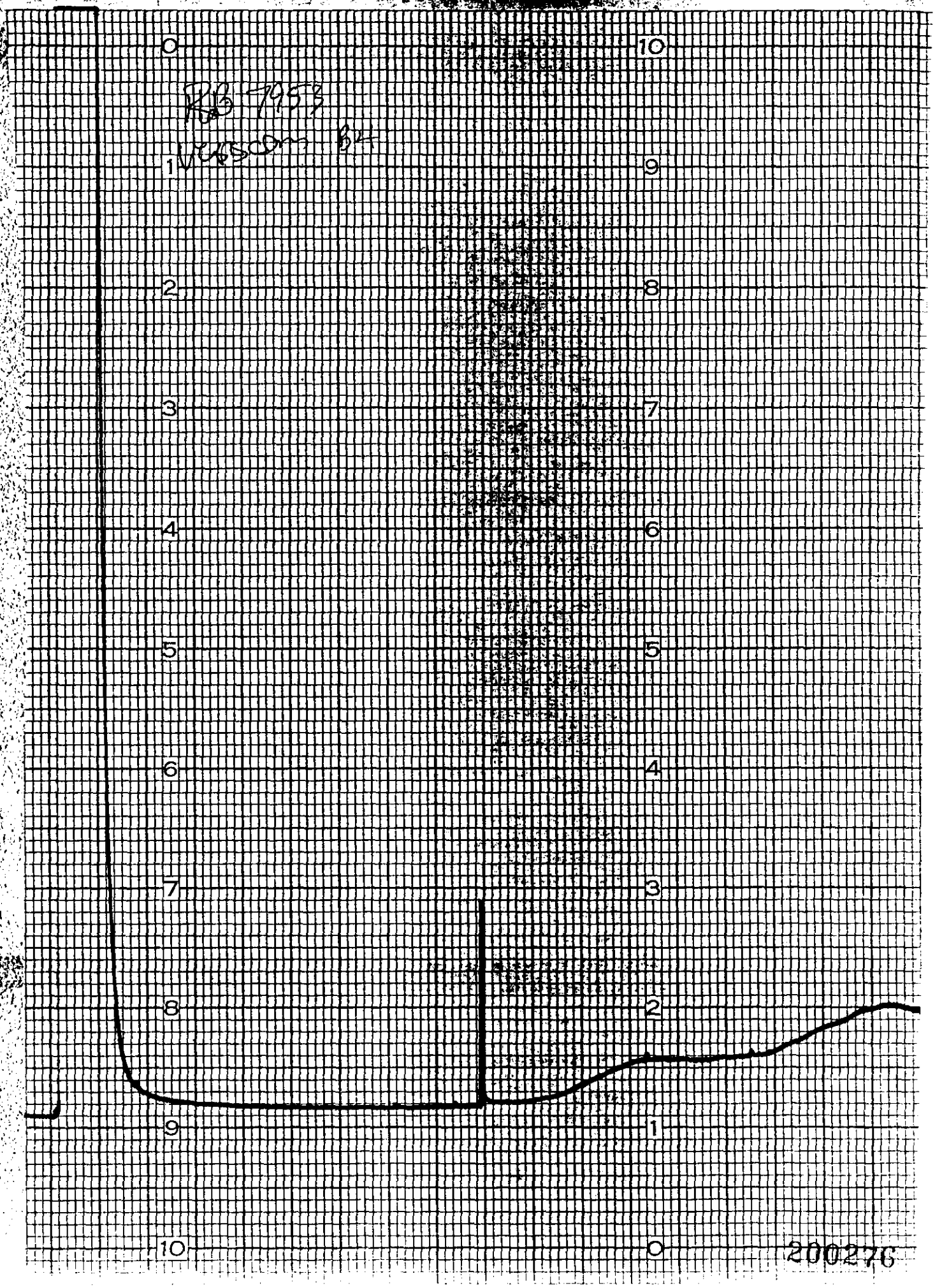
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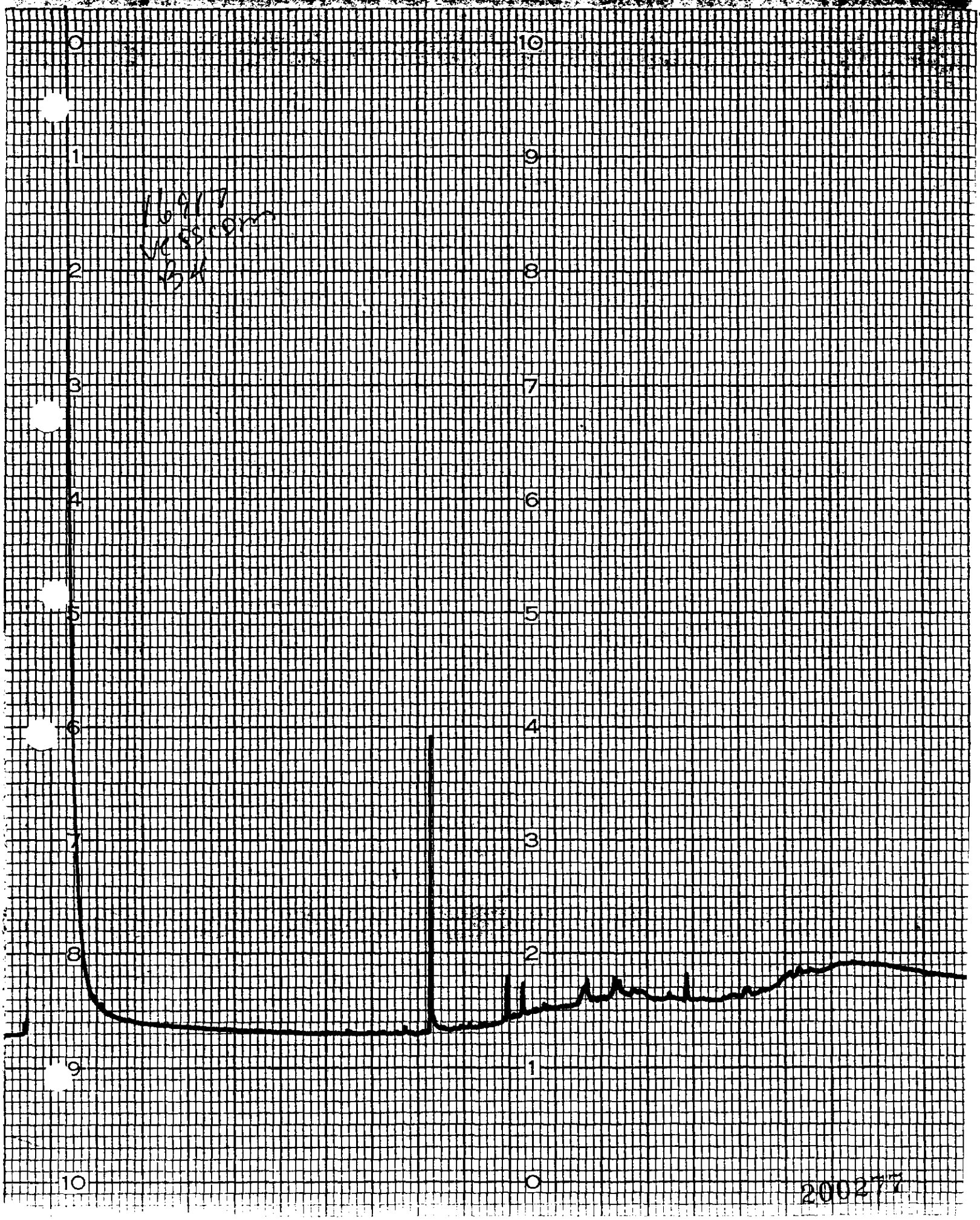
RB 7953
Version B4
200276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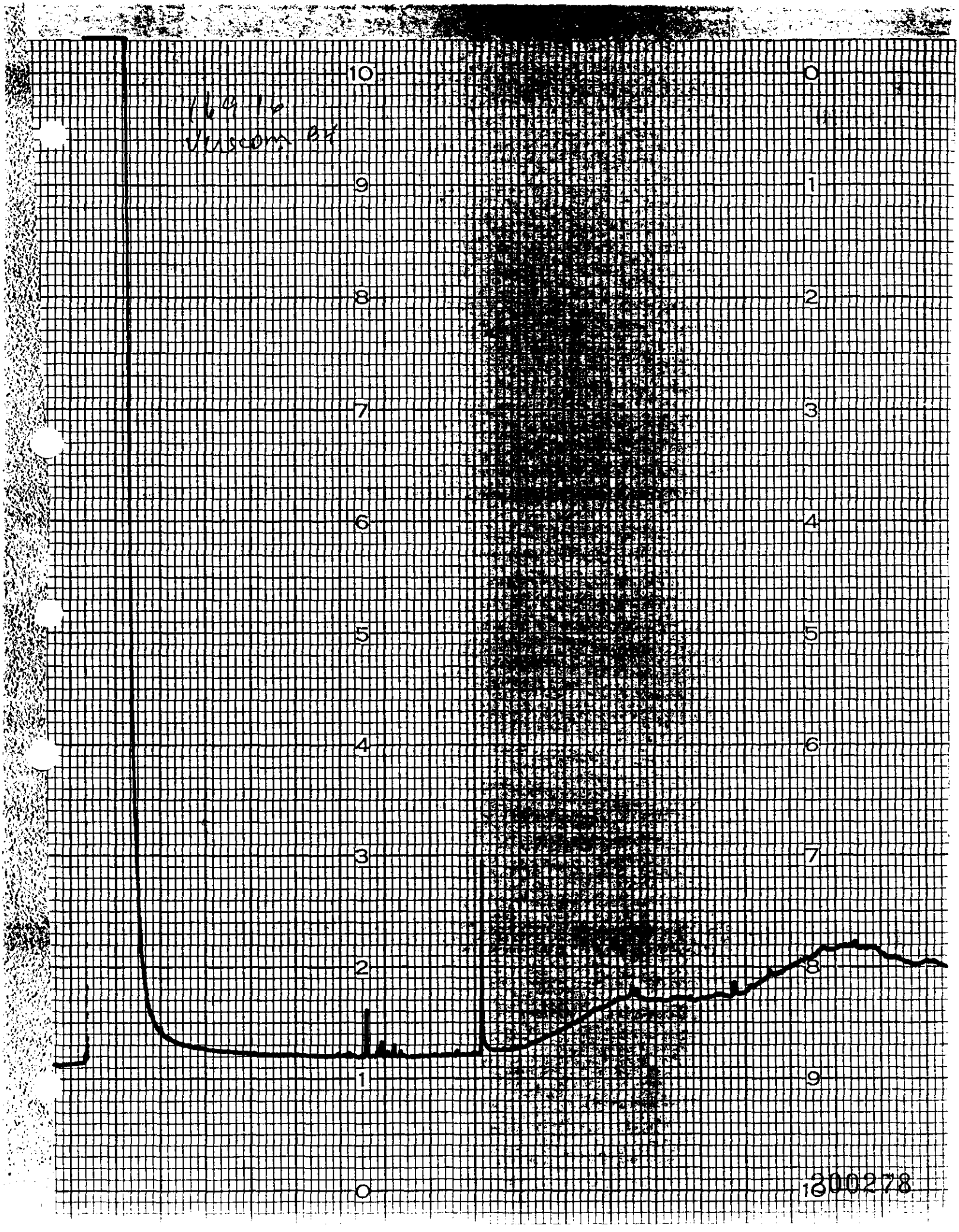
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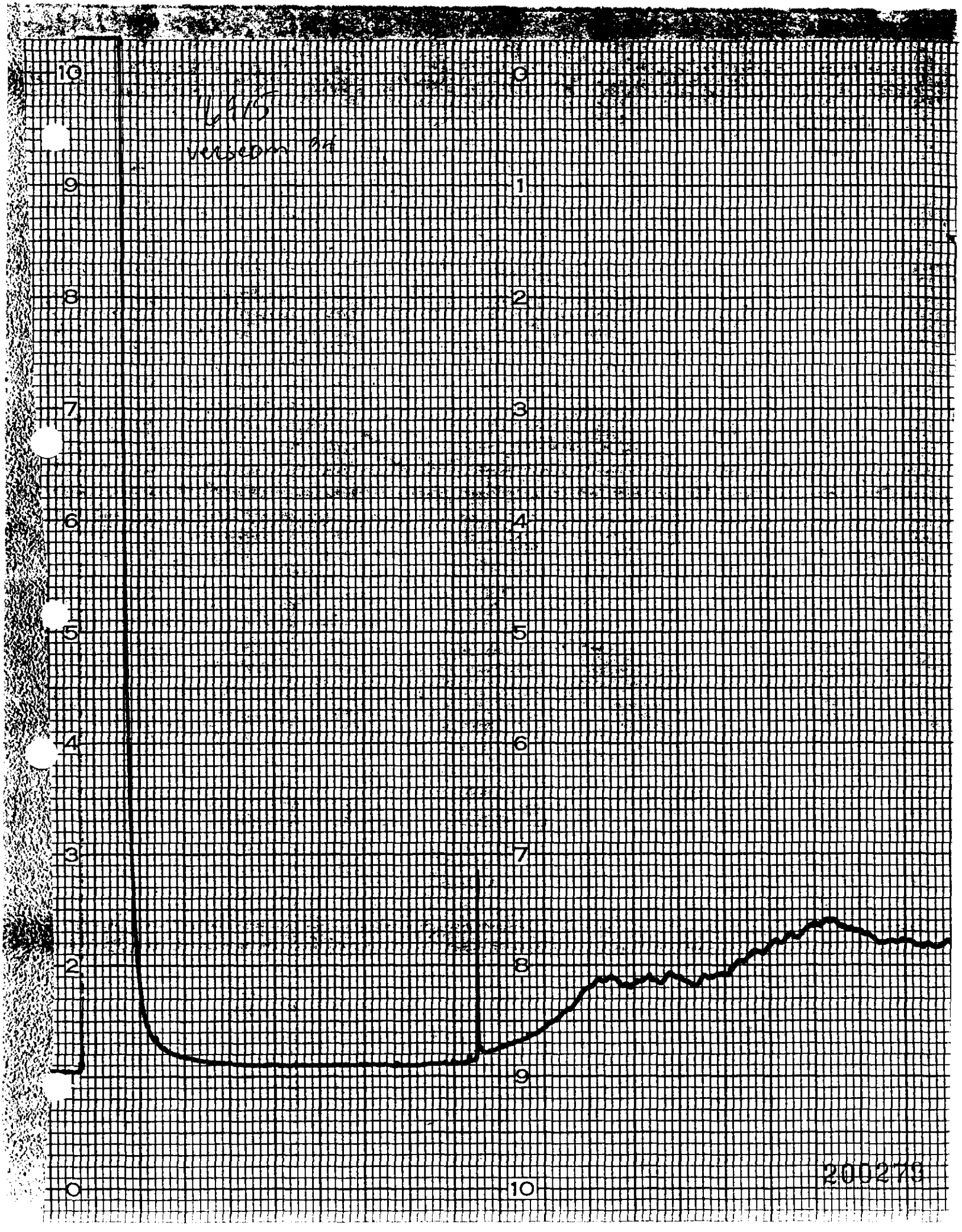
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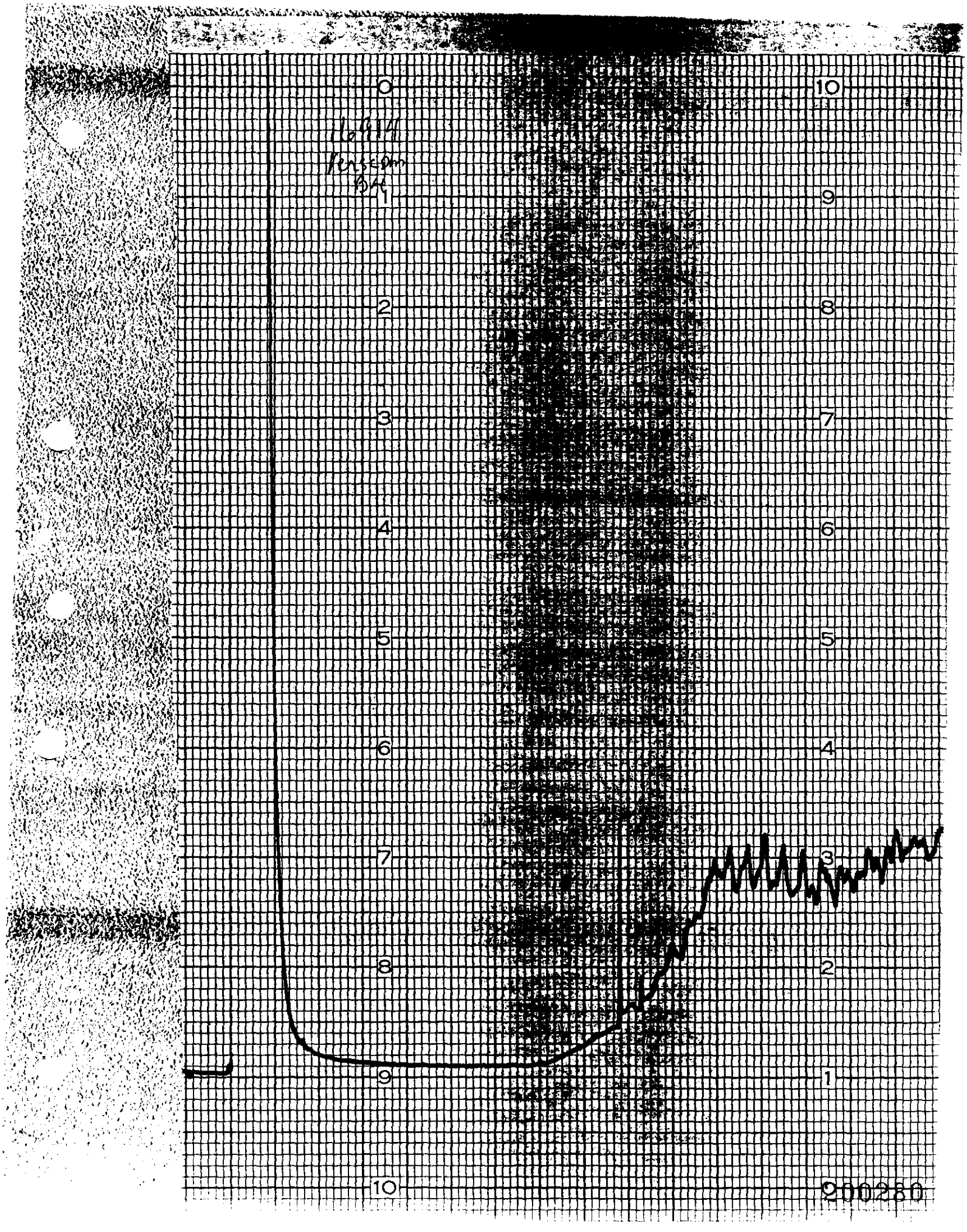
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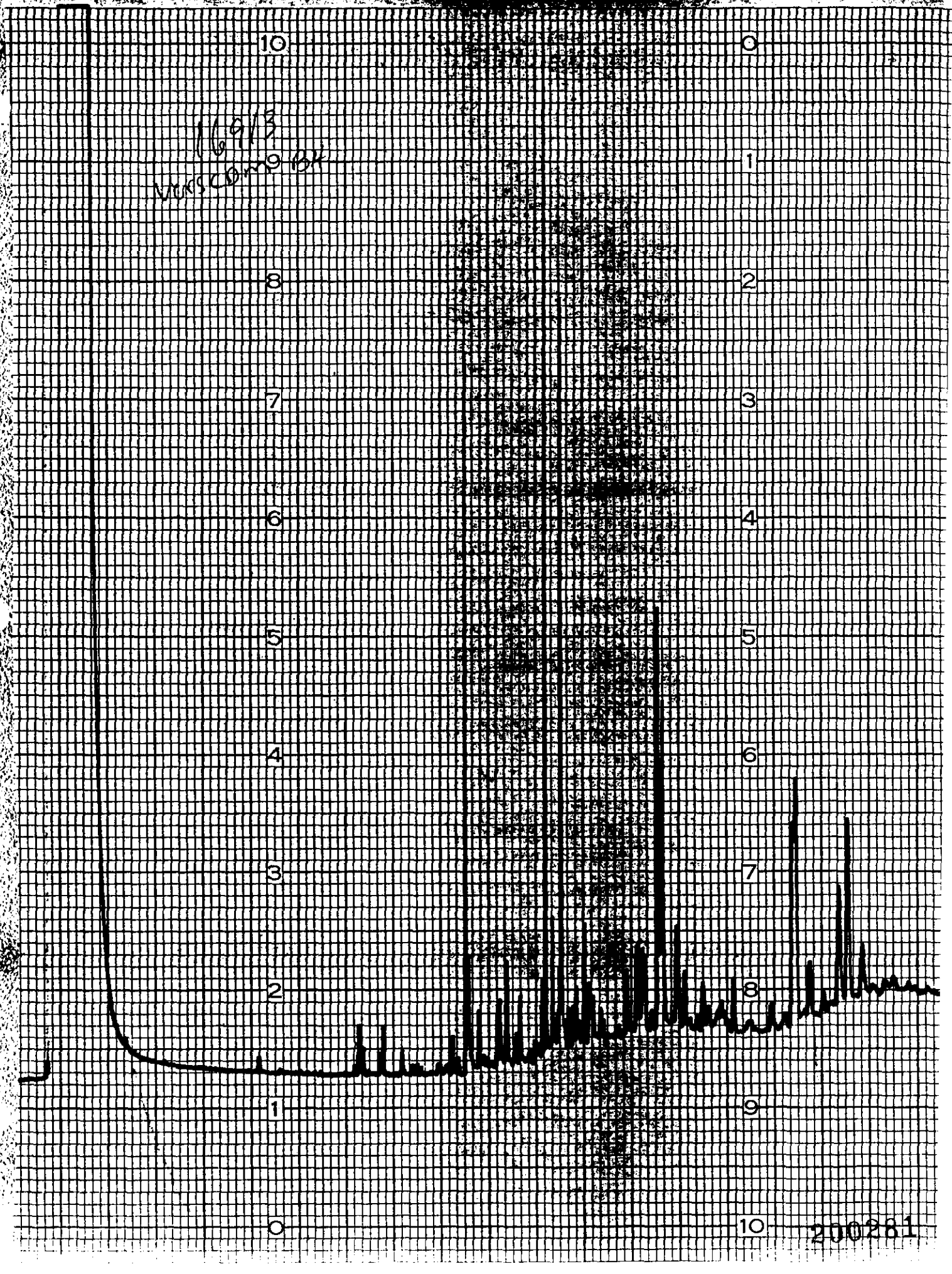

200281

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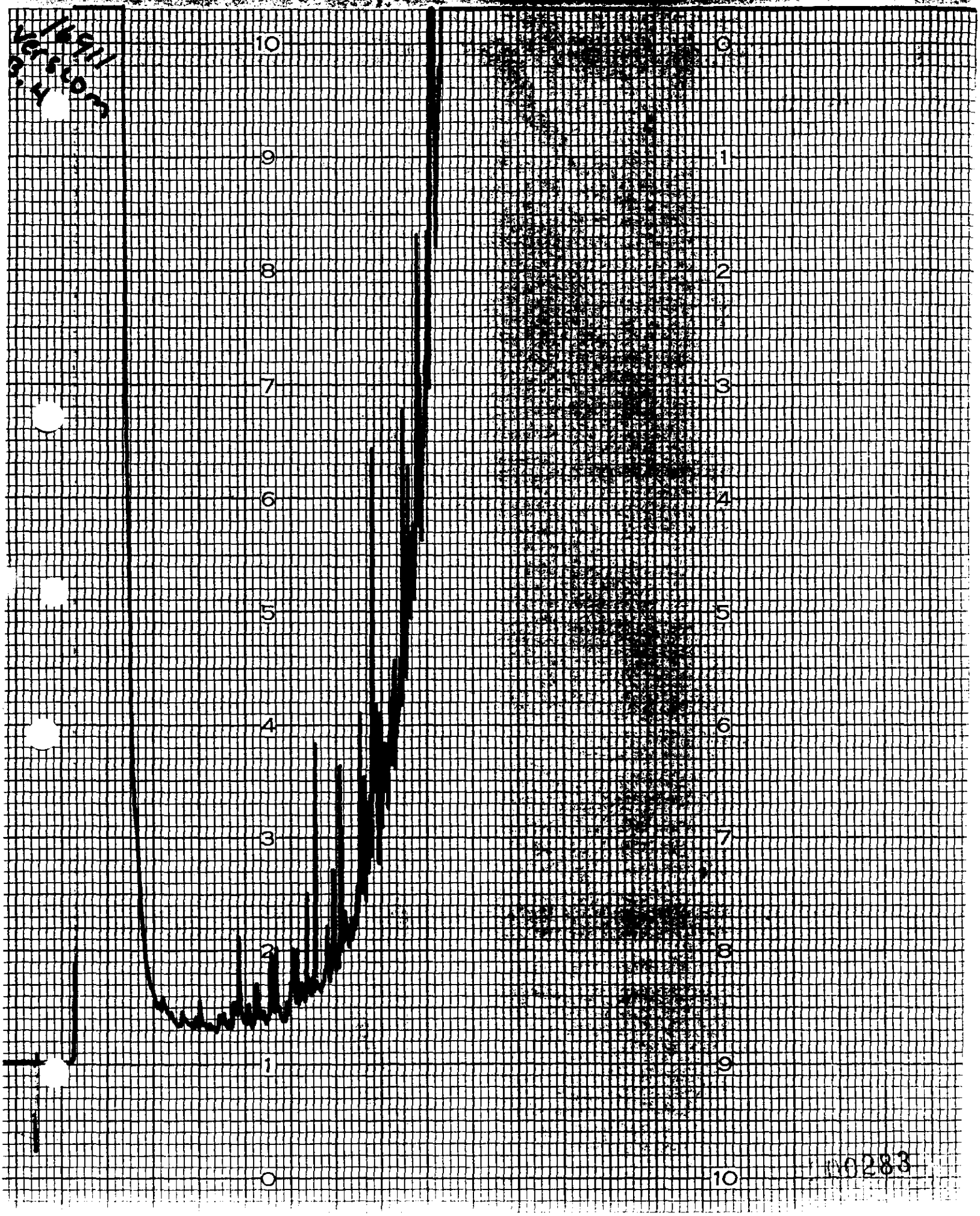
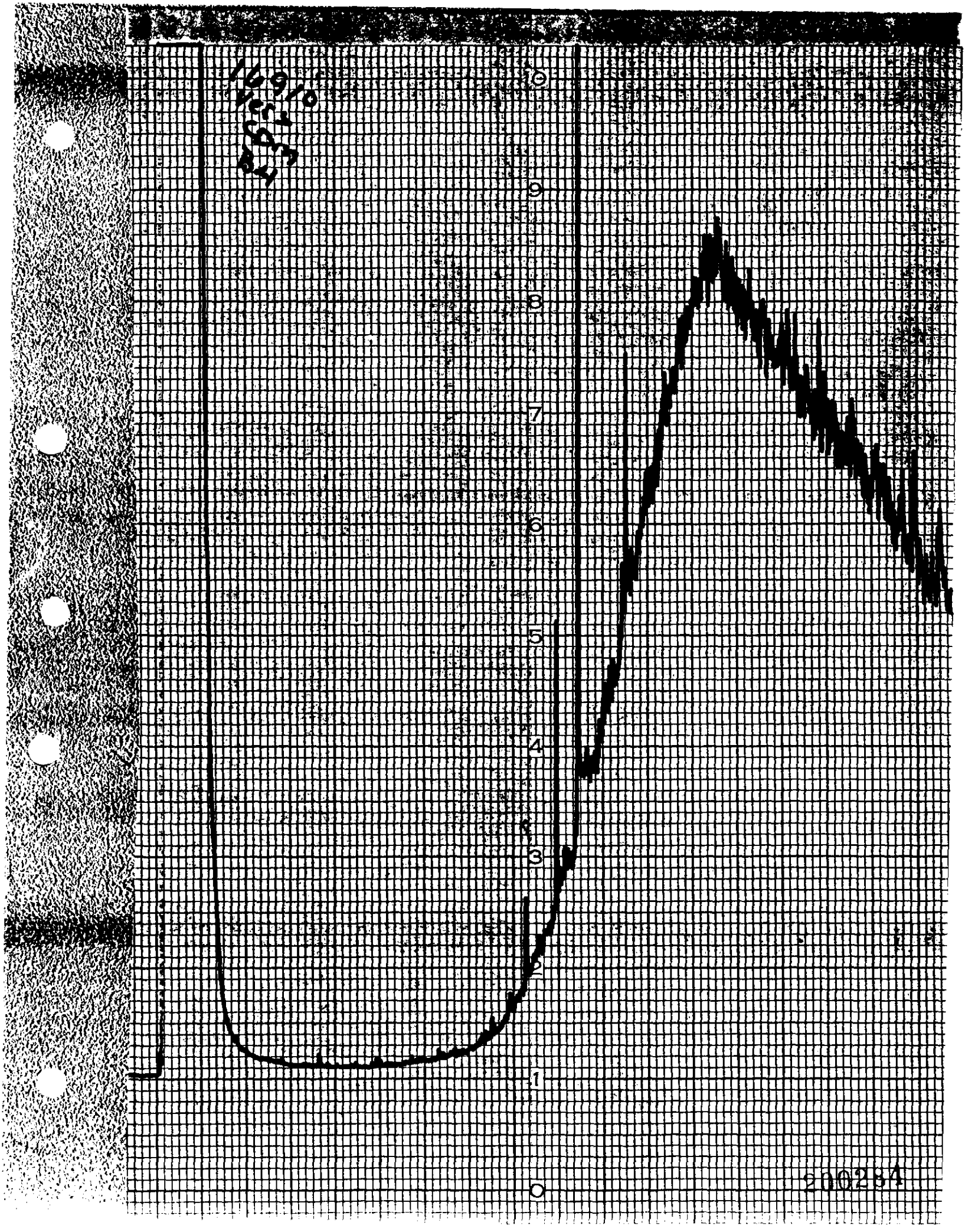


0283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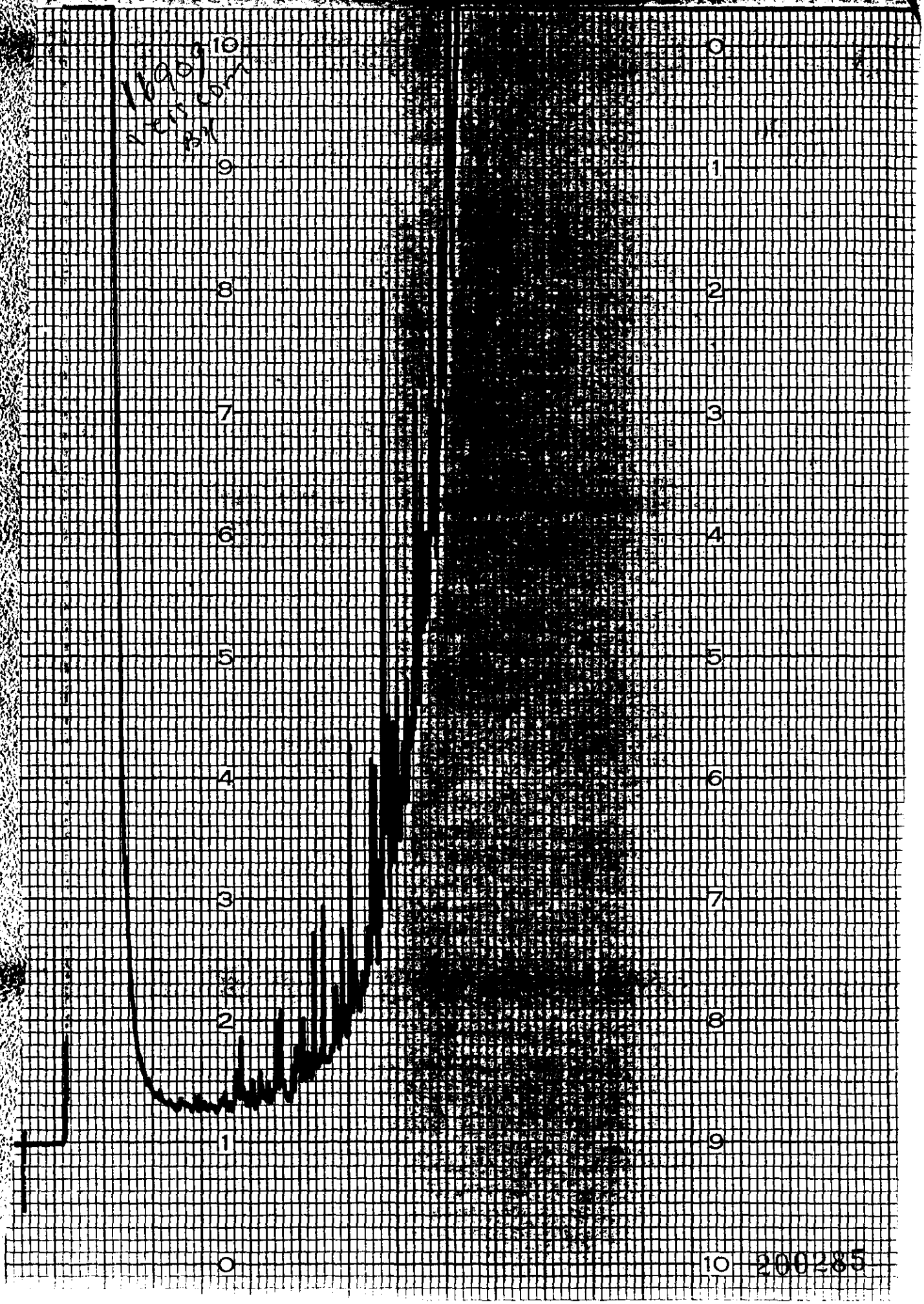
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200285

VERSAR INC. SAMPLE PREPARATION COMMENT SHEET

PROJECT Versar BATCH 4 CASE NA

MATRIX Soil PREPARATION PARAMETER BNA-PEST CONTROL 2565

VERSAR SAMPLE NUMBER 16909/16919 FIELD SAMPLE NUMBER 4 SOIL SAMPLE pH 6.97	Soil is Black in color / with A small amount of leaves in it. the soil sticks together and has A small amount of Rocks in it. the Soil is moist MH 4-25-90 This sample screened very high as a BNA. Suggest Running a dilution. 5/1/90
VERSAR SAMPLE NUMBER 16910/16920 FIELD SAMPLE NUMBER 8 SOIL SAMPLE pH 7.32	Soil is Black in color. the soil is moist with A grain like structure. looks like ~~[illegible]~~ there are no rocks MH 4-25-90
VERSAR SAMPLE NUMBER 16911/16921 FIELD SAMPLE NUMBER 9 SOIL SAMPLE pH 7.52	Soil is Dark Brown in Color. with A small amount of Rocks and leaves. Soil is moist 4-25-90 MH This sample screened very high for BNA. Suggest running a dilution 5/1/90

200286

VERSAR INC. SAMPLE PREPARATION COMMENT SHEET

PROJECT VERSCOM BATCH 4 CASE NA

MATRIX SOIL PREPARATION PARAMETER BNA-PEST CONTROL 2565

VERSAR SAMPLE NUMBER 16912/16922	SOIL IS REDDISH/BROWN COLOR. SOIL IS VERY FINE GRAIN WITH SMALL STICKS IN IT. SOIL IS DRY MH 4-25-90
FIELD SAMPLE NUMBER 10	
SOIL SAMPLE pH 6.72	
VERSAR SAMPLE NUMBER 16913/16923	SOIL IS BLACK/GRAY IN COLOR AND IS VERY ROCKY. SOIL IS DRY MH 4-25-90
FIELD SAMPLE NUMBER 11	
SOIL SAMPLE pH 7.16	
VERSAR SAMPLE NUMBER 16914/16924	SOIL IS BROWN IN COLOR AND VERY ROCKY. SOIL IS MOIST MH 4-25-90
FIELD SAMPLE NUMBER 12	
SOIL SAMPLE pH 7.13	

VERSAR INC.

SAMPLE PREPARATION COMMENT SHEET

3 OF 3

PROJECT Versar BATCH 4 CASE NA

CONTROL 2565

MATRIX Soil PREPARATION PARAMETER BNA-PEST

VERSAR SAMPLE NUMBER 16915/16925	Soil is Brown (Light) with Tan Colored Particles in it. Soil has roots in it and is very wet with standing water above sample. MH 4-25-90
FIELD SAMPLE NUMBER 13	
SOIL SAMPLE pH 8.03	
VERSAR SAMPLE NUMBER 16916/16926	Soil is Brown/Tan in color. Sample is very wet with standing water. Sample has a larger amount of rock, leaves, and grass in it MH 4-25-90
FIELD SAMPLE NUMBER 14	
SOIL SAMPLE pH 9.32	
VERSAR SAMPLE NUMBER 16917/16927	Soil is Brown in color with Dark Brown Rocks. Soil is sandy and is moist MH 4-25-90
FIELD SAMPLE NUMBER 15	
SOIL SAMPLE pH	pH 7.15

200200

VERSAR INC.

SAMPLE PREPARATION COMMENT SHEET

PROJECT VERSCDM BATCH 4 CASE R3-7

MATRIX HOH PREPARATION PARAMETER PEST/BNA CONTROL 2565

VERSAR SAMPLE NUMBER 16918	CLEAR, CLEAN WATER. MJS 4/26/90
FIELD SAMPLE NUMBER GW-1	
SOIL SAMPLE pH	
VERSAR SAMPLE NUMBER	
FIELD SAMPLE NUMBER	
SOIL SAMPLE pH	
VERSAR SAMPLE NUMBER	
FIELD SAMPLE NUMBER	
SOIL SAMPLE pH	

VERSAR INC.

SAMPLE PREPARATION COMMENT SHEET

PROJECT VERSCDM BATCH 4 CASE —

MATRIX HOH PREPARATION PARAMETER BNA CONTROL 2565

VERSAR SAMPLE NUMBER	* RB 7963 DID NOT REFLUX PROPERLY SO THE EXTRACTION WAS ALLOWED TO CONTINUE FOR 24 HOURS. MJS 9-27-90
FIELD SAMPLE NUMBER	
SOIL SAMPLE pH	
VERSAR SAMPLE NUMBER	
FIELD SAMPLE NUMBER	
SOIL SAMPLE pH	
VERSAR SAMPLE NUMBER	
FIELD SAMPLE NUMBER	
SOIL SAMPLE pH	

200290

EXTRACTS READY FOR ANALYSIS

DATE 5-7-90

CODE VERSCDM BATCH 4 CONTROL # 2565

DATE RECEIVED 4-23-90 DATE EXTRACTED 4-26-90

OF EXTRACT 2 # OF SAMPLES 1

MATRIX HOH PARAMETER BNA LOCATION Freez. 3

IS THIS A RE-EXTRACTION? NO

COMMENTS vial file 16918, RB 7963

TECHNICIAN SIGNATURE Diane E. McCarthy

==========

SUPERVISOR USE ONLY

PROVIDE AN EXPLANATION IF ANSWER IS NO

Was the extraction holding time met?	☑ YES	☐ NO
Was proper QC performed with the extraction?	☑ YES	☐ NO
Are all columns complete, initialed, and dated?	☑ YES	☐ NO
Is column information accurate?	☑ YES	☐ NO
Is header information complete and accurate?	☑ YES	☐ NO
Were the correct standards used in the extraction?	☑ YES	☐ NO
Are final volumes correct?	☑ YES	☐ NO
Are sample comments included, initialed and dated?	☑ YES	☐ NO
Are dry weights included with the data package?	☐ YES	☑ NO
Are dry weights correct?	☐ YES	☑ NO

H_2O

What clean-up procedure was used? NONE

SUPERVISOR Kathy Jones SECTION CHIEF

200291

VERSAR INC. BNA TYPE WATER SAMPLE PREPARATION SHEET -BY CONTINUOUS EXTRACTION

CONTR 2565

PROJECT VERS CDM

CASE R3 — 7

BATCH 4

DATE 4-26-90

EXTRACTION PARAMETER BNA

EXTRACTION START DATE 4-26-90

DATE EXTRACTION COMPLETE 4-29-90*

MATRIX SPIKE SOLUTION —

SURROGATE SOLUTION 22549

PAGE 1 OF 1

VERSAR SAMPLE NUMBER	FIELD SAMPLE NUMBER	SAMPLE VOLUME IN ML.	SPIKE SURR.	SPIKE MS	DATE B/N RECOVERED	DATE ACID RECOVERED	DATE B/N CONCENTRN	DATE ACID CONCENTRN	B/N FINAL VOLUME	ACID FINAL VOLUME	GENERAL SAMPLE COMMENTS
16918	GW-1	920mL	1mL	—	4-28-90	4-29-90	5-2-90	7 MAY 1990	1.0mL	1.0mL	
RB7963	SBLK 63	1000mL	1mL	—	↓	↓	↓	↓	↓	↓	
		KYJ 4-26-90	KYJ 4-26-90	KYJ	KYJ 4-28-90	END	KYJ	M.S.R.	Dem 5-7-90	Dem 5-7-90	

200292

RB 7962 - is an additional RB that was extracted with Control 2564 ON 4-26-90 Dem 5-7-90

EXTRACTS READY FOR ANALYSIS

DATE 5/10/90

CODE G & M MMAG BATCH 20, 21 CONTROL # 2564, 2570

DATE RECEIVED 4/21/90 DATE EXTRACTED 4/26/90

OF EXTRACT 8 # OF SAMPLES 3

MATRIX Water PARAMETER BNA LOCATION Frig. #5

IS THIS A RE-EXTRACTION? No

COMMENTS 16908, RB7962, 17205, 17206

TECHNICIAN SIGNATURE Steven Mitchell

==========

SUPERVISOR USE ONLY

PROVIDE AN EXPLANATION IF ANSWER IS NO

Was the extraction holding time met?	☐ YES	☐ NO
Was proper QC performed with the extraction?	☐ YES	☐ NO
Are all columns complete, initialed, and dated?	☐ YES	☐ NO
Is column information accurate?	☐ YES	☐ NO
Is header information complete and accurate?	☐ YES	☐ NO
Were the correct standards used in the extraction?	☐ YES	☐ NO
Are final volumes correct?	☐ YES	☐ NO
Are sample comments included, initialed and dated?	☐ YES	☐ NO
Are dry weights included with the data package?	☐ YES	☐ NO
Are dry weights correct?	☐ YES	☐ NO

What clean-up procedure was used? _____

SUPERVISOR Kathy Jones SECTION CHIEF _____

200293

VERSAR INC. BNA TYPE WATER SAMPLE PREPARATION SHEET -BY CONTINUOUS EXTRACTION

CONTRO 2564,2570

PROJECT GEMMAG EXTRACTION PARAMETER BNA MATRIX SPIKE SOLUTION — PAGE 1 OF 1

CASE — EXTRACTION START DATE 4-26-90

BATCH 20,21 DATE EXTRACTION COMPLETE 4-28-90

DATE 4-26-90 SURROGATE SOLUTION 22549

VERSAR SAMPLE NUMBER	FIELD SAMPLE NUMBER	SAMPLE VOLUME IN ML.	SPIKE SURR.	SPIKE MS	DATE B/N RECOVERED	DATE ACID RECOVERED	DATE B/N CONCENTRN	DATE ACID CONCENTRN	B/N FINAL VOLUME	ACID FINAL VOLUME	GENERAL SAMPLE COMMENTS
16908	GM 80B	1000mL	1mL	—	4-27-90	4-28-90	5-9-90	5-8-90	1mL	1mL	
→ RB7962	SBLK 62	↓	1mL	—	↓	↓	↓	↓	↓	↓	
17205	GM11B		1mL	—							
17206	RINSE #5		1mL	—							
		KYJ 4-26-90	KYJ 4-26-90	KYJ	KYJ	KYJ	DW	DW	J.M. 5/10/90	J.M. 5/10/90	

200294

EXTRACTS READY FOR ANALYSIS

DATE 5-14

CODE VERSCDM BATCH 4 CONTROL # 2565

DATE RECEIVED 4-23-90 DATE EXTRACTED 5-1-90

OF EXTRACT 7 # OF SAMPLES 5

MATRIX Soil PARAMETER BNA LOCATION 3

IS THIS A RE-EXTRACTION? No

COMMENTS 16910, 16914, 16915, 16916, 16917, RB8000, MSTD3063

TECHNICIAN SIGNATURE M. Hen

==========

SUPERVISOR USE ONLY

PROVIDE AN EXPLANATION IF ANSWER IS NO

Was the extraction holding time met?	☑ YES	☐ NO
Was proper QC performed with the extraction?	☑ YES	☐ NO
Are all columns complete, initialed, and dated?	☑ YES	☐ NO
Is column information accurate?	☑ YES	☐ NO
Is header information complete and accurate?	☑ YES	☐ NO
Were the correct standards used in the extraction?	☑ YES	☐ NO
Are final volumes correct?	☑ YES	☐ NO
Are sample comments included, initialed and dated?	☑ YES	☐ NO
Are dry weights included with the data package?	☑ YES	☐ NO
Are dry weights correct?	☑ YES	☐ NO

What clean-up procedure was used? GPC

SUPERVISOR _____ SECTION CHIEF J. Lingel

200295

VERSAR INC. LOW LEVEL SOIL SAMPLE PREPARATION SHEET -BY SONICATION

CONTROL 2565

PROJECT VERSCDM

BATCH 4

CASE R3-7

DATE 5-1-90

SPIKING SOLUTIONS

M.S. BNA ~~22402~~ 22402 S.S.S. BNA 22549

M.S. PEST 8931 S.S.S. PEST 8928

PAGE 1 OF 1

EXTRACTION PARAMETER BNA-PEST

DATE EXTRACTION COMPLETED 5-1-90

ADSORBENT BATCH NUMBER ALUMINA

VERSAR SAMPLE NUMBER	FIELD SAMPLE NUMBER	SAMPLE WEIGHT IN GRAMS	SPIKE VOL. BNA MS	SPIKE VOL. BNA SSS	SPIKE VOL. PEST MS	SPIKE VOL. PEST SSS	INITIAL EXTRACT FINAL VOL	VOLUME TO GPC IN ML.	FINAL GPC VOLUME	VOLUME TO PEST CLEAN UP	VOLUME TO BNA	FINAL PEST VOLUME	FINAL BNA VOLUME	SAMPLE COMMENTS
16910/16920	8	30.18	—	1.0mL	—	1.0mL	10mL	5mL	10mL	0.5mL	9.5mL	1mL	1mL	
* 16912/16922	10	30.04	—	—	—	1.0mL								Pest only.
16914/16924	12	30.00	—	1.0mL	—	1.0mL							1mL	
16915/16925	13	30.17	—	1.0mL	—	1.0mL								
16916/16926	14	30.03	—	1.0mL	—	1.0mL								
16917/16927	15	30.11	—	1.0mL	—	1.0mL								
RB8000	PBLK80	—	—	1.0mL	—	1.0mL								
MSTD3063	—	—	2.0mL	1.0mL	1.0mL	1.0mL								
MH	5-1-90	MH	5-1-90				5-10-90		MH	5-14-90		MH	5-14-90	

MH

200296

VERSAR INC. GPC SAMPLE IDENTIFICATION LOG PAGE 1 OF 1

CONTROL # 2536, 2565, 2400 Rev

CODE Vers. CDM, vers COM, EC SUNS

BATCH 2, 4, 1

CASE —

DATE 5-10-90

EXTRACT VOL 10 ml

DUMP TIME 21 min

COLLECT TIME 21 min

WASH TIME 20 min

GPC CALIBRATION # 22502

CALIBRATION STD 3 ml

INJECT VOL 5ml

*3.0 ml of dilution + 9.5 ml of undiluted extract

REMAINING EXTRACT VOLUME 3 ml

No.	SAMPLE #	FIELD #	REMARKS :
1	16412*	1	.5 ml of extract Diluted to 10ml
2	16412 ms*	1	See sample comment
3	16412 msD*	1	
4	16413	2	
5	16414	3	
6	16424	7	
7	RB 7966	—	
8	MSTD 3049	—	
9	16912	10	
10	16914	12	
11	16915	13	
12A ~~12~~ 12B	16916 16917	14 ~~14~~ 15	
13	GPC BLANK	—	
14	RB 8000	—	
15	MSTD 3063	—	
16	16910	8	
17	13693 MSD	62SB10700901XX	Re-extracted due to Bad GPC Clean-up on the first Run.
18	RB 8060		
19			
20			
21			
22			
23			

vers COM B.2

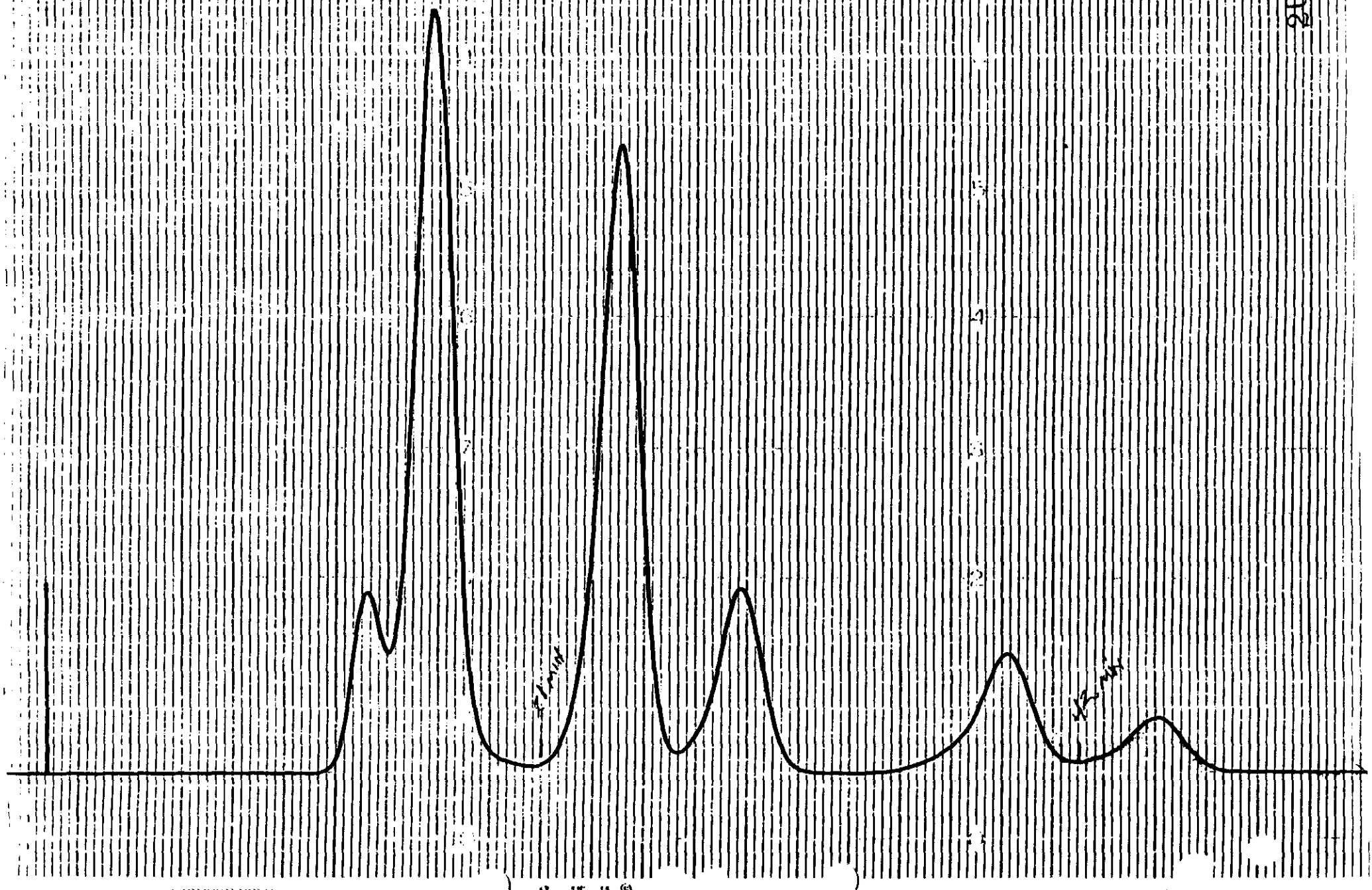
vers COM B4

EC SU B1

200297

GTC STA 1

05-07-90



2002698

GPC STP 2
5-7-90

200298

Due May 21

EXTRACTS READY FOR ANALYSIS

DATE 5-1-90

CODE VERSCAM BATCH 4 CONTROL # 2565

DATE RECEIVED 04-23-90 DATE EXTRACTED 05-01-90

OF EXTRACT 5 # OF SAMPLES 4

MATRIX Mid Soil PARAMETER BNA LOCATION Fridge 3

IS THIS A RE-EXTRACTION? no

COMMENTS

TECHNICIAN SIGNATURE D. Nunn

==========

SUPERVISOR USE ONLY

PROVIDE AN EXPLANATION IF ANSWER IS NO

Was the extraction holding time met?	☑ YES	☐ NO
Was proper QC performed with the extraction?	☑ YES	☐ NO
Are all columns complete, initialed, and dated?	☑ YES	☐ NO
Is column information accurate?	☑ YES	☐ NO
Is header information complete and accurate?	☑ YES	☐ NO
Were the correct standards used in the extraction?	☑ YES	☐ NO
Are final volumes correct?	☑ YES	☐ NO
Are sample comments included, initialed and dated?	☑ YES	☐ NO
Are dry weights included with the data package?	☑ YES	☐ NO
Are dry weights correct?	☑ YES	☐ NO

What clean-up procedure was used? None

SUPERVISOR Kathy Jones SECTION CHIEF J. [illegible]

200300

VERSAR INC. MEDIUM LEVEL SOLID SAMPLE PREPARATION SHEET -BY SONICATION

PROJECT VERSCAM
CASE B3-7
BATCH 4
DATE 05-04-90

SPIKING SOLUTIONS
M.S. BNA 22402 S.S.S BNA 22549
M.S. PEST — S.S.S PEST —

PAGE 1 OF 1
EXTRACTION PARAMETER BNA
DATE EXTRACTION COMPLETED 5-1-90
ADSORBENT BATCH NUMBER —

VERSAR SAMPLE NUMBER	FIELD SAMPLE NUMBER	SAMPLE WEIGHT IN GRAMS	SPIKE VOL. BNA MS	SPIKE VOL. BNA SSS	SPIKE VOL. PEST MS	SPIKE VOL. PEST SSS	TOTAL EXTRACTION VOLUME	ALIQUOT OF EXTRACT TO BNA	BNA FINAL VOLUME	ALIQUOT OF EXTRACT TO PEST	COLUMN CLEAN UP YES/NO	PEST FINAL VOLUME	SAMPLE COMMENTS
16909	4	1.02g	—	1ml	—	—	10ml	5ml	1ml	NA	NA	NA	See sample Comment
16911	9	1.05g	—	1ml	—	—	10ml	5ml	1ml				↓
16912	10	1.11g	—	1ml	—	—	10ml	5ml	1ml				5/2/90
16913	11	1.08g	—	1ml	—	—	10ml	5ml	1ml				
BB 8003	BLK03	—	—	1ml	—	—	10ml	5ml	1ml				
				DW 5-1-90			DW 5-1-90	DW 5-1-90	DW 5-1-90	DW	DW	DW	

DW

20000

VERSAR INC. Total Solids

Project :VERSCDM Case :R3-7 Batch :4

Date :04-30-1990 Analyst :MH

Versar Sample#	Field Sample#	Tray Weight	Tray + Wet Wt Sample	Net Wet Weight Sample	Tray + Dry Wt Sample	Net Dry Weight Sample	% Moisture	Dry Weight Factor
16909/16919	4	0.99g	6.00g	5.01g	5.31g	4.32g	13.8%	1.16
16910/16920	8	1.00g	6.12g	5.12g	4.18g	3.18g	37.9%	1.61
16911/16921	9	0.99g	6.09g	5.10g	5.27g	4.28g	16.1%	1.19
16912/16922	10	0.99g	5.99g	5.00g	4.41g	3.42g	31.6%	1.46
16913/16923	11	0.99g	5.99g	5.00g	5.79g	4.80g	4.0%	1.04
16914/16924	12	0.99g	6.03g	5.04g	5.70g	4.71g	6.5%	1.07
16915/16925	13	1.00g	6.08g	5.08g	3.01g	2.01g	60.4%	2.53
16916/16926	14	0.99g	6.12g	5.13g	3.53g	2.54g	50.5%	2.02
16917/16927	15	1.00g	6.01g	5.01g	5.61g	4.61g	8.0%	1.09

VERSAR, INC.
GCMS INSTRUMENT ID T
DATE 5-14-90

INJECTION LOG

T051490_.91/MSQ

Filename	ASCII Filename	Streamer ID	Method	Case	SDG	Field Sample ID	Level	Matrix	Versar Sample No.	Fraction	Type	Project	Batch	Ext. Vol.	Comb. Vol.	Final Vol.	Dil.	IS Vol.	IS No.	B Factor
K T2566		220				DFTPP 50ng			22486											
K T2567		220				DFTPP 50ng			22486											
T2568		220				DFTPP 50ng			22486			MET	@ 1723							
T2569	T051490A.91	220	CLP			SSTD50			22658	B	IC 50	RAN	TCALIB							
T2570		220	CLP			SSTD160			22659	B	IC 160									
T2571		220	CLP			SSTD120			22660	B	IC 120									
T2572		220	CLP			SSTD80			22661	B	IC 80									
T2573		220	CLP			SSTD20			22662	B	IC 20									
T2574	B	220	CLP	VERSCDM	2548	SBLK51	L	W	RB7751	B	BLK	420.1	3	1mL	.2mL	.4mL		4µL	22078	
T2575		220	CLP			MW-38	L	W	166688	B	-									
T2576		220	CLP			MW-38 MS	L	W	166688ms	B	-									
T2577		220	CLP			MW-38 MSD	L	W	166688msd	B	-									
T2578		220	CLP			MW-43	L	W	166689	B	-									
T2579		220	CLP			MW-53	L	W	166690	B	-									
T2580		220	CLP			MW-79	L	W	166691	B	-									
T2581		220	CLP			MW-79A	L	W	166692	B	-									

Analyst Signature Jerri D Schaffer Date 5/14/90

200303

VERSAR, INC.
GCMS INSTRUMENT ID T
DATE 05-15-90

INJECTION LOG

T051590 — .92/MSQ

Filename	ASCII Filename	Streamer ID	Method	Case	SDG	Field Sample ID	Level	Matrix	Versar Sample No.	Fraction	Type	Project	Batch	Ext. Vol.	Comb. Vol.	Final Vol.	Dil.	IS Vol.	IS No.	B Factor
T2596		221				50ng DFTPP			22486											
T2597		221				50ng DFTPP			22486		MET @ 2240 (10:40pm)									
T2598		221	CLP			SSID 50			22658	B	CC 50	Ran TCALIB								
T2599		221	CLP	VERS CDM	2536	5	M	S	16422	B	-	420.1	2	1mL	.4mL	.4mL		4µL	22078	
T2600		221	CLP		2536	SBLK 13	L	W	RB8013	B	BLK	420.1	2,4	1mL	.2mL	.4mL		4µL	22078	
T2601		221	CLP			1	L	W	16418	B	-		2							
T2602		221	CLP			1 ms	L	W	16418 MS	B	-		2							
T2603		221	CLP			1 msD	L	W	16418 msD	B	-		2	not analyzed.						
T2604 03		221	CLP		2565	11	L	W	16960	B	-		4							
T2605 04		221	CLP			EXT BLK 1	L	W	EBLK1	B	-		2,4							
T2606 05		221	CLP			EXT BLK 2	L	W	EBLK2	B	-		2,4							
T2607 06		221	CLP	VERS CDM	2565	SBLK03	M	S	RB8003	B	BLK	420.1	4	1mL	.4mL	.4mL		4µL	22078	
T2608 07		221	CLP			4	M	S	16909	B	-		4							
T2609 08		221	CLP			9	M	S	16911	B	-		4							
T2610 09		221	CLP			10	M	S	16912	B	-		4							
T2610		221	CLP	VERS CDM	2536	1 MSD	L	W	16418MSD	B	-	420.1	2	1ml	.2ml	.4ml		4µl	22078	

* autosampler skipped 1 MSD & used it for a rinse real. Therefore headers were changed accordingly & the MSD run was injected last. AD 5-16-90.

AD 5-15-90

Analyst Signature [signature] Date 5/15/90

200304

000031

VERSAR, INC.
GCMS INSTRUMENT ID T
DATE 05-16-90

INJECTION LOG

Filename	ASCII Filename	Streamer ID	Method	Case	SDG	Field Sample ID	Level	Matrix	Versar Sample No.	Fraction	Type	Project	Batch	Ext. Vol.	Comb. Vol.	Final Vol.	Dil.	IS Vol.	IS No.	B Factor
T2623	T	222				DFTPP 50ng			224816				MET @ 1044							
T2624	A.9	222	CLP			SSTD 50			226658	B	IC 50		RAN	TCALIB						
T2625		222	CLP			SSTD 160			226659	B	IC 160									
T2626		222	CLP			SSTD 120			22739	B	IC 120									
T2627		222	CLP			SSTD 80			226661	B	IC 80									
T2628		222	CLP			SSTD 20			226662	B	IC 20									
T2629	B	222	CLP	VERS CDM	2565	11	M	S	116913	B	-	420.1	4	1mL	.4mL	.4mL		4µL	22078	
T2630		222	CLP	VERS CDM	2536	SBLK 66	L	S	RB79666	B	BLK		2							
T2631		222	CLP			2	L	S	116413	B	-									
T2632		222	CLP			3	L	S	116414	B	-									
T2633		222	CLP			7	L	S	116424	B	-									
T2634		222	CLP			GPC BLK	L	S	GPC BLK	B	-									
T2635		222	CLP	ENGI HARL	2459	SBLK 59	L	S	RB8059	B	BLK	420.52	3	1mL	.4mL	.8mL		8µL		
T2636		222	CLP			GW-1-S1RE	L	S	14702 RE	B	-									
T2637		222	CLP	VERS CDM	2536	MSTD 3049	L	S	MSTD 3049	B	-	420.1	2	1mL	.4mL	.4mL		4µL	22078	

Analyst Signature Lori D Schaffer Date 5/16/90

200305

VERSAR, INC
GCMS INSTRUMENT ID T
DATE 5-18-90

INJECTION LOG

Filename	ASCII Filename	Streamer ID	Method	Case	SDG	Field Sample ID	Level	Matrix	Versar Sample No.	Fraction	Type	Project	Batch	Ext. Vol.	Comb. Vol.	Final Vol.	Dil.	IS Vol.	IS No.	B Factor
	IP Maintenance - Replaced septum, glass liner. Rinsed IP parts. Removed 20 cm of column.																			
T2654						50ng DFTPP			22486											
T2655						SSTD50			22658											
~~T2656~~						~~DFTPP 50ng~~			~~22486~~											
T2656	T MSQ	222				50ng DFTPP			22486											
T2657	T051890 A.9	222	CLP			SSTD50			22658	B	IC 50									
T2658		222	CLP			SSTD160			22659	B	IC 160									
T2659		222	CLP			SSTD120			22739	B	IC 120									
T2660		222	CLP			SSTD80			22661	B	IC 80									
T2661		222	CLP			SSTD20			22662	B	IC 20									
T2662	DK B MSQ	222	CLP	ICF ARROW	2516	SBLK22	L	W	RB7922	B	BLK	420.58	9	1mL	.2mL	.4mL		4μL	22078	
T2663		222	CLP			MW2 GW1	L	W	16084	B	-									
T2664		222	CLP			MW3 GW1	L	W	16085	B	-									
T2665		222	CLP			MW5 GW1	L	W	16086	B	-									
T2666		222	CLP			MW6 GW1	L	W	16087	B	-									
T2667		222	CLP			MW7 GW1	L	W	16088	B	-									

Analyst Signature Jeri D Schaeffer Date 5/18/90

VERSAR, INC.
GCMS INSTRUMENT ID T
DATE 5-23-90

INJECTION LOG

T052390_ .91/MSQ free sectors 10,892

Filename	ASCII Filename	Streamer ID	Method	Case	SDG	Field Sample ID	Level	Matrix	Versar Sample No.	Fraction	Type	Project	Batch	Ext. Vol.	Comb. Vol.	Final Vol.	Dil.	IS Vol.	IS No.	B Factor
Inj. port		main																		
T2718		223	CLP			DFTPP 50ng														
T2719		223	CLP			DFTPP 50ng						Tuned @ 8:57								
T2720		223	CLP			SSTD 50	-	-	22784	B	50			EM too high.						
T2721		223	CLP			DFTPP 50ng	-	-	22486											
T2722		223	CLP			DFTPP 50ng	-	-	22486											
T2723		223	CLP			DFTPP 50ng	-	-	22486											
T2724		223	CLP			DFTPP 50ng	-	-	22486											
T2725	MSQ	223	CLP			DFTPP 50ng	-	-	22486.			Tuned @ 11:39.								
~~T2726~~	~~A~~	223	CLP			SSTD 50			22784		Ran TCAL 8									
T2727	B	223	CLP	VERS CDM	2515	SBLK00	L	S	RB6000	B	-	420 1.0	4	1ml	.4ml	.4ml		4µl	2078	
T2728		223	CLP			8	L	S	16910	B	-									
T2729		223	CLP			12	L	S	16914	B	-									
T2730		223	CLP			13	L	S	16915	B	-									
T2731		223	CLP			14	L	S	16916	B	-									
T2732		223	CLP			15	L	S	16917	B	-									

Analyst Signature S. Dunford Date 5-24-90

307

000041

VERSAR, INC.
GCMS INSTRUMENT ID T
DATE 05-23-90

INJECTION LOG

Filename	ASCII Filename	Streamer ID	Method	Case	SDG	Field Sample ID	Level	Matrix	Versar Sample No.	Fraction	Type	Project	Batch	Ext. Vol.	Comb. Vol.	Final Vol.	Dil.	IS Vol.	IS No.	B Factor
T2733	~~GSX~~ A	224	CLP	GSX MD	2708	SBLK01	L	S	RB8101	B	BLK	420.2	2	1mL	.4mL	.4mL		4µL	22078	
T2734	↓	224	CLP	↓	↓	MSBS0101	L	S	20152	B	-	↓	↓	↓	↓	↓		↓	↓	
T2735		224	CLP	ENGI ALBA	2670	SBLK 51	L	W	RB 8051	B	BLK	420.52	5	1mL	.2mL	.4mL		4µL	22078	
T2736		224	CLP	↓	↓	ASL GW 1D	L	W	19085	B	-	↓	↓	↓	↓	↓		↓	↓	
T2737		224	CLP	↓	↓	ASL GW 2D	L	W	19086	B	-	↓	↓	↓	↓	↓		↓	↓	
T2738		224	CLP	↓	↓	MSTD3085	L	W	MSTD3085	B	-	↓	↓	↓	↓	↓		↓	↓	
T2739	↓	224	CLP	GSX MD	2708	MSTD 3108	L	S	MSTD3108	B	-	420.2	2	1mL	.4mL	.4mL		↓	↓	

2003308

Analyst Signature S. Dunford Date 5-24-90

000042

VERSAR, INC.
GCMS INSTRUMENT ID T
DATE 5-25-90
Inj Port main.

INJECTION LOG

T052590 _ .91/MSQ

free sectors 11865

Filename	ASCII Filename	Streamer ID	Method	Case	SDG	Field Sample ID	Level	Matrix	Versar Sample No.	Fraction	Type	Project	Batch	Ext. Vol.	Comb. Vol.	Final Vol.	Dil.	IS Vol.	IS No.	B Factor
T2765		224				DFTPP 50ng														
T2766		224				DFTPP 50ng					Tuned @ 8:11									
T2767		224	CLP			SSTD50	-	-	22686	B	CC-50			Ran TCALIB.						
T2768		224	CLP	VERS CDM	2565	8	L	S	16910	B	-	420.1.0	4	1ml	50µl	1ml	1/20	10µl	22078	Bad Inject.
T2769	✓	224	CLP	ENGI ALBA	2670	ASL-L-2	L	W	19094	B	-	420.52	5	1ml	.2ml	.4ml		4µl	22078	2 days high.
T2770	✓	224	CLP			ASL-MW-1	L	W	19096	B	-									
T2771	✓	224	CLP			ASL-WASH Blank	L	W	19097	B	-									
T2772	✓	224	CLP			ASL-L-1	L	W	19093	B	-									
T2773	✓	224	CLP	VERS CDM	2565	8	L	S	16910	B	-	420.1.0	4	1ml	50µl	1ml	1/20	10µl	22078	
T2774	✓	225	CLP	PNSY	2587	SBLK86	L	W	RB7986	B	-	420.60.0	2	1ml	.2ml	.4ml		4µl	22078	
T2775	✓	225	CLP			13-SS-57	L	W	17553	B	-									
T2776	✓	225	CLP			13-SS-57 MS	L	W	17553 MS	B	-									
T2777	✓	225	CLP			13-SS-57 MSD	L	W	17553 MSD	B	-									
T2778	✓	225	CLP			13-SS-56	L	W	17754	B	-									
T2779	✓	225	CLP			12-SS-50	L	W	17752	B	-									

Analyst Signature [signature] Date 5/25/90

000045

200309

VERSAR, INC.
GCMS INSTRUMENT ID Z
DATE 5-15-90 (page 1 of 2)

INJECTION LOG

ASCII PREFIX Z051590_.91

	Filename	ASCII Filename	Streamer ID	Method	Case	SDG	Field Sample ID	Level	Matrix	Versar Sample No.	Fraction	Type	Project	Batch	Ext. Vol.	Comb. Vol.	Final Vol.	Dil.	IS Vol.	IS No.	B Factor
K	~~Z2408~~ 47		255				50 ng DFTPP			TUNed BUT EM TO HIGH											
K	~~Z2409~~ 47						50 ng DFTPP														
K	Z4710						50 ng DFTPP			TUNed AT 9:14											
K	Z4711						SSTD 50			22658	B	CC 50	— OUT								
	Z4712	T					50 ng DFTPP														
*	Z4713	SA I		CLP			SSTD 50 ~~SBLK91~~			22158	B	CC 50			CURVE NOT MET RUNING NEW CURVE						
K	~~Z4714~~				ICF ARROW	2502	SBLK91	L	W	SBLK91	B	[illegible]	420.58	8	1mL	0.2mL	0.4mL	—	4uL		
	~~Z4715~~				↓	↓	MW1GW1	L	W	15710	B	—	↓	↓	1mL	0.2mL	0.4mL	—	4uL		
	~~Z4716~~ 4715	A I		CLP			SSTD 160			22659	B	IC 160									
	~~Z4717~~ 4716	A		CLP			SSTD 120			22684	B	120 IC									
	~~Z4718~~ 4717	A		CLP			SSTD 80			22661	B	IC 80									
	~~Z4719~~ 4718	A		CLP			SSTD 20			22662	B	IC 20									
	~~Z4720~~ 4719	B I		CLP	ICF ARROW	2502	SBLK91	L	W	SBLK91	B	Blank	420.58	8	1mL	0.2mL	0.4mL	—	4uL	22078	C
	Z4720	B I	↓	CLP	↓	↓	MW1GW1	L	W	15710	B	—	↓	↓	↓	↓	↓	—	↓	↓	B
									(OVER)												

*Rcn TCALIB

K= Killed

Analyst Signature B Kolligan Date 5/15/90

200310

000025

VERSAR, INC.
GCMS INSTRUMENT ID Z
DATE 5/18/90

INJECTION LOG

ASCII PREFIX Z051890_.91

Filename	ASCII Filename	Streamer ID	Method	Case	SDG	Field Sample ID	Level	Matrix	Versar Sample No.	Fraction	Type	Project	Batch	Ext. Vol.	Comb. Vol.	Final Vol.	Dil.	IS Vol.	IS No.	B Factor
		Copied Disk #255 to Streamer #255; Copied Streamer #255 to Disk #3;																		
		Reinitialized UNIT 0.																		
		No Injection Port Maintenance. (BKN) 5/18/90																		
Z4753	(T)	256				DFTPP 50ng			22486	(Ran RPTH) (Meets Tune at 16:36) (BKN)										
*Z4754 (Z4713 A)	(G)	256	CLP			SSTD 50			22658	B	CC OSO	(Meets Continuing Calibration Criteria) (BKN)								
Z4755	(B)	256	CLP	GAM MMAG	2564 2570	SBLK62	L	W	SBLK62	B	Blank	420.1	20/21	1.0mL	300ul	600ul	-	6ul	22078	C
Z4756		256	CLP	EC SUNS	2460	SBLK 61	L	S	SBLK61	B	Blank	430.3	1	0.5mL	50ul 500	50ul	-	0.5ul	22078	NC
Z4757		256	CLP	VERS COM	2565	SBLK63	L	W	SBLK63	B	Blank	420.1	4	1.0mL	300ul	600ul	-	6ul	22078	NC
Z4758		256	CLP	↓	↓	GW1 ~~RE~~	L	W	16918 ~~RE~~	B	RE	↓	↓	↓	↓	↓	-	↓	↓	~~NC~~ B
Z4759		256	CLP	ENGI BLOM	2643	SBLK53	L	S	SBLK53	B	Blank	420.52	1	1.0mL	500ul	500ul	-	5ul	22078	C
Z4760		256	CLP			** MS BLGW4S1	L	S	** MS 18340	B	** MS						-			B
Z4761		256	CLP			BLGW5S1	L	S	18341	B	-						-			B
Z4762		256	CLP			BLGW6S1	L	S	18342	B	-						-			B
Z4763		256	CLP			BLGW4S1 ~~MS~~ **	L	S	18340 ~~MS~~ **	B	** ~~MS~~						-			B
Z4764		256	CLP			BLGW4S1MSD	L	S	18340MSD	B	MSD						-			C
Z4765		256	CLP	↓	↓	MSTD3081	L	S	MSTD3081	B	MSTD	↓	↓	↓	↓	↓	-	↓	↓	C

*Ran TCALIB on scan list SBTAB with library list BAN (BKN)

**Note: Extraction Lab mixed up vials 18340 & 18340MS (switched). Altering headers to reflect that circumstance.

Analyst Signature B Kolling Date 5/18/90

ASCII File

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 3
Curtis Bldg., 6th & Walnut Sts.
Philadelphia, Pennsylvania 19106

CHAIN OF CUSTODY RECORD

PROJ. NO.: R3-7
PROJECT NAME: R3-7
SAMPLERS: (Signature) Sharon E. Schaeffer

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOA	BNA	PCB/Pest.	TAL Metals.	Cyanide		REMARKS Tag #S
4 ~~11~~ SES 4/20/90	4/19/90	1030		X	Location 4	6	2	1	1	1	1		3-1068410, 11, 12, 13, 14, 15
9	4/19/90	1045		X	Location 9	6	2	1	1	1	1		3-1068416, 17, 18, 19, 20, 21
8	4/19/90	1110		X	Location 8	6	2	1	1	1	1		3-1068422, 23, 24, 25, 26, 27
10	4/19/90	1135		X	Location 10	6	2	1	1	1	1		3-1068428, 29, 30, 31, 32, 33
12	4/19/90	1220		X	Location 12	6	2	1	1	1	1		3-1068434, 35, 36, 37, 38, 39
13	4/19/90	1300		X	Location 13	6	2	1	1	1	1		3-1068440, 41, 42, 43, 44, 45
14	4/19/90	1400		X	Location 14	6	2	1	1	1	1		3-1068446, 47, 48, 49, 50, 51
15	4/19/90	1445		X	Location 15	6	2	1	1	1	1		3-1068452, 53, 54, 55, 56, 57
11	4/19/90	0940		X	Location 11	6	2	1	1	1	1		3-1068460, 61, 62, 63, 64 65

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Sharon E. Schaeffer	4/20/90 1200				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
		Donald A Sulp	4/23/90 13:30	Shipped via Federal Express Airbill No 4026936060	

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

25'.5

REGION 3
Curtis Bldg., 6th & Walnut Sts.
Philadelphia, Pennsylvania 19106

CHAIN OF CUSTODY RECORD

PROJ. NO.: R3-7
PROJECT NAME: R3-7
SAMPLERS: (Signature) Aaron P. Frantz

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOA	BNA/PCB/Pest.	TAL Metals	Cyanide	TAL Metals (Filtered)		REMARKS Tag #'s
GW-1	4/20/90	1115		X	Location GW-1	6	2	1	1	1	1		~~3-1068458, 59~~ 4/20/90 3-1068470, 71, 72, 73, 74, 75
TB-2	4/20/90	1000		X	Location TB-2	2	2						3-1068458, 59

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Sharon E. Schaeffer	4/20/90 1200				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) Donald A Sulz	Date / Time 4/23/90 13.30	Remarks Shipped via Federal Express Airbill No. 4026936060	

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

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