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SOUND ANALYTICAL SERVICES, INC.

ANALYTICAL & ENVIRONMENTAL CHEMISTS
4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

TRANSMITTAL MEMORANDUM

DATE: January 20, 1995

TO: Mark Woodke
Ecology & Environment

PROJECT: EWA0797AA

LABORATORY NUMBER: 45227

Enclosed is one copy of the Tier IV data deliverables package for Laboratory Work Order Number 45227. Eight samples were received for analysis at Sound Analytical Services, Inc., on December 16, 1994.

Should there be any questions regarding this data package, please do not hesitate to call me at (206) 922-2310.

Sincerely,

Lila A Transue

Lila A. Transue
Project Manager

USEPA SF
1600352

This report is issued solely for the use of the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis in accordance with industry acceptable practice. In no event shall Sound Analytical Services, Inc. or its employees be responsible for consequential or special damages in any kind or in any amount.

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206) 922-2310 - FAX (206) 922-5047

ANALYTICAL NARRATIVE

Client: Ecology and Environment Date: January 20, 1995

Project: EWA0797AA Lab No.: 45227

Delivered by: Sound Analytical Services

Condition of Samples upon Receipt: Samples were received cold and in good condition. Chain-of-custody was in order.

Sample Identification:

Lab. No.	Client ID	Date Sampled	Matrix
45227-1	T4120210	12-13-94	Water
45227-2	T4120211	12-13-94	Water
45227-3	T4120212	12-13-94	Water
45227-4	T4120221	12-13-94	Water
45227-5	T4120217	12-13-94	Water
45227-6	T4120219	12-13-94	Water
45227-7	T4120201	12-12-94	Sediment
45227-8	T4120207	12-12-94	Sediment

Semivolatile Organics

Samples 45227-1 through 45227-4, 45227-7 and 45227-8 were analyzed for volatile organics in accordance with EPA SW-846 Method 8270. The samples were analyzed on 12-22-94, 12-28-94 and 01-12-95, which was within the required holding time.

Di-n-butylphthalate, and bis(2-ethylhexyl)phthalate were detected in method blank SV176, but the values have no significant impact on the quantitated sample results. The samples were flagged B1 or B2 as deemed appropriate.

The surrogates for sample 45227-8 were outside of the control limits due to the required dilution of the sample.

Sample 45227-8 was diluted due to high quantities of unknown organic material.

No difficulties were encountered during the semivolatiles analysis.

All quality control parameters were within acceptable limits.

Pesticides & Polychlorinated Biphenyls (PCBs)

Samples 45227-1 through 45227-5, 45227-7, and 45227-8 were analyzed for pesticides and PCBs in accordance with EPA SW-846 Method 8080. The samples were extracted on 12-19-94 and 12-20-94 and analyzed on 12-20-94 and 12-21-94, which was within the required holding time.

Pesticides & Polychlorinated Biphenyls (PCBs) Continued
No difficulties were encountered during the pesticide/PCBs analysis.

All quality control parameters were within acceptable limits.

Priority Pollutant Metals
Samples 45227-1 through 45227-5, 45227-7, and 45227-8 were analyzed for priority pollutant metals by ICP/ICP-MS/CVAA in accordance with EPA SW-846 Method 6010/6020/7470/7471. The samples were digested on 12-21-94 and analyzed on 12-27-94 for ICP metals. The samples were digested on 12-21-94 and analyzed on 12-22-94 for ICP-MS metals. The samples were digested on 12-27-94 and analyzed on 12-28-94 for mercury by CVAA. All samples were digested and analyzed within the required holding time.

The matrix spike percent recoveries for antimony and arsenic in sample 45227-5 were outside of the control limits. The sample was reanalyzed with similar results, a post digest spike was analyzed with the percent recoveries falling within the 75% to 125% range.

The percent difference for lead in the serial dilution of sample 45227-8 exceeded the control limit.

No other difficulties were encountered during the TAL metals analyses.

All other quality control parameters were within acceptable limits.

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120210
Lab ID:	45227-01
Date Received:	12/16/94
Date Prepared:	12/20/94
Date Analyzed:	12/22/94
% Solids	-

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Nitrobenzene - d5	59		35	114
2 - Fluorobiphenyl	57		43	116
p - Terphenyl - d14	72		33	141
Phenol - d5	25		10	94
2 - Fluorophenol	47		21	100
2,4,6 - Tribromophenol	63		10	123

Analyte	Result (ug/L)	PQL	Flags
Phenol	ND	0.28	
bis(2-Chloroethyl)ether	ND	0.37	
2-Chlorophenol	ND	0.4	
1,3-Dichlorobenzene	ND	0.53	
1,4-Dichlorobenzene	ND	0.51	
Benzyl Alcohol	ND	1.4	
1,2-Dichlorobenzene	ND	0.55	
2-Methylphenol	ND	0.52	
bis(2-Chloroisopropyl)ether	ND	0.9	
4-Methylphenol	ND	1.4	
N-nitroso-di-n-propylamine	ND	0.98	
Hexachloroethane	ND	0.98	
Nitrobenzene	ND	1.5	
Isophorone	ND	1.2	
2-Nitrophenol	ND	0.52	
2,4-Dimethylphenol	ND	0.4	
Benzoic Acid	ND	0.63	
bis(2-Chloroethoxy)methane	ND	0.53	
2,4-Dichlorophenol	ND	0.38	
1,2,4-Trichlorobenzene	ND	0.5	
Naphthalene	0.82	0.38	
4-Chloroaniline	ND	0.45	
Hexachlorobutadiene	ND	0.4	
4-Chloro-3-methylphenol	ND	0.37	
2-Methylnaphthalene	ND	0.4	
Hexachlorocyclopentadiene	ND	0.65	

SOUND ANALYTICAL SERVICES, INC.

Semivolatile Organics by USEPA Method 8270 data for 45227-01 continued...

Analyte	Result (ug/L)	PQL	Flags
2,4,6-Trichlorophenol	ND	0.41	
2,4,5-Trichlorophenol	ND	0.44	
2-Chloronaphthalene	ND	0.62	
2-Nitroaniline	ND	0.61	
Dimethylphthalate	ND	0.58	
Acenaphthylene	ND	0.38	
2,6-Dinitrotoluene	ND	0.37	
3-Nitroaniline	ND	0.32	
Acenaphthene	ND	0.53	
2,4-Dinitrophenol	ND	0.39	
4-Nitrophenol	ND	0.13	
Dibenzofuran	ND	0.51	
2,4-Dinitrotoluene	ND	0.65	
Diethylphthalate	ND	0.52	
4-Chlorophenyl phenyl ether	ND	0.46	
Fluorene	ND	0.76	
4-Nitroaniline	ND	0.47	
4,6-Dinitro-2-methylphenol	ND	0.31	
N-Nitrosodiphenylamine	ND	0.57	
4-Bromophenyl phenyl ether	ND	0.31	
Hexachlorobenzene	ND	0.37	
Pentachlorophenol	ND	0.5	
Phenanthrene	ND	0.59	
Anthracene	ND	0.49	
Di-n-butylphthalate	2.4	1.2	B1
Fluoranthene	ND	0.37	
Pyrene	ND	0.42	
Butylbenzylphthalate	ND	0.42	
3,3'-Dichlorobenzidine	ND	0.57	
Benzo(a)anthracene	ND	0.41	
Chrysene	ND	0.43	
bis(2-Ethylhexyl)phthalate	0.76	1.5	J B1
Di-n-octylphthalate	ND	0.43	
Benzo(b)fluoranthene	ND	0.42	
Benzo(k)fluoranthene	ND	0.36	
Benzo(a)pyrene	ND	0.15	
Indeno(1,2,3-cd)pyrene	ND	0.15	
Dibenz(a,h)anthracene	ND	0.14	
Benzo(g,h,i)perylene	ND	0.2	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120211
Lab ID:	45227-02
Date Received:	12/16/94
Date Prepared:	12/20/94
Date Analyzed:	12/22/94
% Solids	-

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Nitrobenzene - d5	65		35	114
2 - Fluorobiphenyl	79		43	116
p - Terphenyl - d14	86		33	141
Phenol - d5	29		10	94
2 - Fluorophenol	58		21	100
2,4,6 - Tribromophenol	84		10	123

Analyte	Result (ug/L)	PQL	Flags
Phenol	ND	0.2	
bis(2-Chloroethyl)ether	ND	0.26	
2-Chlorophenol	ND	0.29	
1,3-Dichlorobenzene	ND	0.38	
1,4-Dichlorobenzene	ND	0.36	
Benzyl Alcohol	ND	1	
1,2-Dichlorobenzene	ND	0.39	
2-Methylphenol	ND	0.37	
bis(2-Chloroisopropyl)ether	ND	0.64	
4-Methylphenol	ND	1	
N-nitroso-di-n-propylamine	ND	0.7	
Hexachloroethane	ND	0.7	
Nitrobenzene	ND	1.1	
Isophorone	ND	0.82	
2-Nitrophenol	ND	0.37	
2,4-Dimethylphenol	ND	0.28	
Benzoic Acid	ND	0.45	
bis(2-Chloroethoxy)methane	ND	0.38	
2,4-Dichlorophenol	ND	0.27	
1,2,4-Trichlorobenzene	ND	0.35	
Naphthalene	ND	0.27	
4-Chloroaniline	ND	0.32	
Hexachlorobutadiene	ND	0.28	
4-Chloro-3-methylphenol	ND	0.26	
2-Methylnaphthalene	ND	0.29	
Hexachlorocyclopentadiene	ND	0.46	

SOUND ANALYTICAL SERVICES, INC.

Semivolatile Organics by USEPA Method 8270 data for 45227-02 continued...

Analyte	Result (ug/L)	PQL	Flags
2,4,6-Trichlorophenol	ND	0.29	
2,4,5-Trichlorophenol	ND	0.31	
2-Chloronaphthalene	ND	0.44	
2-Nitroaniline	ND	0.44	
Dimethylphthalate	ND	0.41	
Acenaphthylene	ND	0.27	
2,6-Dinitrotoluene	0.38	0.26	
3-Nitroaniline	ND	0.23	
Acenaphthene	ND	0.38	
2,4-Dinitrophenol	ND	0.28	
4-Nitrophenol	ND	0.093	
Dibenzofuran	ND	0.36	
2,4-Dinitrotoluene	ND	0.46	
Diethylphthalate	ND	0.37	
4-Chlorophenyl phenyl ether	ND	0.33	
Fluorene	ND	0.54	
4-Nitroaniline	ND	0.34	
4,6-Dinitro-2-methylphenol	ND	0.22	
N-Nitrosodiphenylamine	ND	0.4	
4-Bromophenyl phenyl ether	ND	0.22	
Hexachlorobenzene	ND	0.26	
Pentachlorophenol	ND	0.36	
Phenanthrene	ND	0.42	
Anthracene	ND	0.35	
Di-n-butylphthalate	0.68	0.84	J B1
Fluoranthene	ND	0.26	
Pyrene	ND	0.3	
Butylbenzylphthalate	ND	0.3	
3,3'-Dichlorobenzidine	ND	0.41	
Benzo(a)anthracene	ND	0.29	
Chrysene	ND	0.3	
bis(2-Ethylhexyl)phthalate	0.76	1.1	J B1
Di-n-octylphthalate	ND	0.3	
Benzo(b)fluoranthene	ND	0.3	
Benzo(k)fluoranthene	ND	0.25	
Benzo(a)pyrene	ND	0.11	
Indeno(1,2,3-cd)pyrene	ND	0.1	
Dibenz(a,h)anthracene	ND	0.1	
Benzo(g,h,i)perylene	ND	0.14	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120212
Lab ID:	45227-03
Date Received:	12/16/94
Date Prepared:	12/20/94
Date Analyzed:	12/22/94
% Solids	-

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Nitrobenzene - d5	65		35	114
2 - Fluorobiphenyl	73		43	116
p - Terphenyl - d14	77		33	141
Phenol - d5	29		10	94
2 - Fluorophenol	56		21	100
2,4,6 - Tribromophenol	71		10	123

Analyte	Result (ug/L)	PQL	Flags
Phenol	ND	0.29	
bis(2-Chloroethyl)ether	ND	0.39	
2-Chlorophenol	ND	0.42	
1,3-Dichlorobenzene	ND	0.56	
1,4-Dichlorobenzene	ND	0.54	
Benzyl Alcohol	ND	1.5	
1,2-Dichlorobenzene	ND	0.57	
2-Methylphenol	ND	0.54	
bis(2-Chloroisopropyl)ether	ND	0.95	
4-Methylphenol	ND	1.5	
N-nitroso-di-n-propylamine	ND	1	
Hexachloroethane	ND	1	
Nitrobenzene	ND	1.6	
Isophorone	ND	1.2	
2-Nitrophenol	ND	0.54	
2,4-Dimethylphenol	ND	0.42	
Benzoic Acid	ND	0.66	
bis(2-Chloroethoxy)methane	ND	0.55	
2,4-Dichlorophenol	ND	0.39	
1,2,4-Trichlorobenzene	ND	0.52	
Naphthalene	ND	0.4	
4-Chloroaniline	ND	0.47	
Hexachlorobutadiene	ND	0.42	
4-Chloro-3-methylphenol	ND	0.39	
2-Methylnaphthalene	ND	0.42	
Hexachlorocyclopentadiene	ND	0.68	

SOUND ANALYTICAL SERVICES, INC.

Semivolatile Organics by USEPA Method 8270 data for 45227-03 continued...

Analyte	Result (ug/L)	PQL	Flags
2,4,6-Trichlorophenol	ND	0.43	
2,4,5-Trichlorophenol	ND	0.46	
2-Chloronaphthalene	ND	0.65	
2-Nitroaniline	ND	0.64	
Dimethylphthalate	ND	0.61	
Acenaphthylene	ND	0.39	
2,6-Dinitrotoluene	ND	0.38	
3-Nitroaniline	ND	0.33	
Acenaphthene	ND	0.55	
2,4-Dinitrophenol	ND	0.41	
4-Nitrophenol	ND	0.14	
Dibenzofuran	ND	0.53	
2,4-Dinitrotoluene	ND	0.68	
Diethylphthalate	ND	0.54	
4-Chlorophenyl phenyl ether	ND	0.48	
Fluorene	ND	0.8	
4-Nitroaniline	ND	0.49	
4,6-Dinitro-2-methylphenol	ND	0.32	
N-Nitrosodiphenylamine	ND	0.59	
4-Bromophenyl phenyl ether	ND	0.33	
Hexachlorobenzene	ND	0.39	
Pentachlorophenol	ND	0.53	
Phenanthrene	ND	0.62	
Anthracene	ND	0.52	
Di-n-butylphthalate	0.88	1.2	J B1
Fluoranthene	ND	0.38	
Pyrene	ND	0.44	
Butylbenzylphthalate	ND	0.44	
3,3'-Dichlorobenzidine	ND	0.6	
Benzo(a)anthracene	ND	0.43	
Chrysene	ND	0.45	
bis(2-Ethylhexyl)phthalate	0.93	1.6	J B1
Di-n-octylphthalate	ND	0.45	
Benzo(b)fluoranthene	ND	0.44	
Benzo(k)fluoranthene	ND	0.37	
Benzo(a)pyrene	ND	0.16	
Indeno(1,2,3-cd)pyrene	ND	0.15	
Dibenz(a,h)anthracene	ND	0.15	
Benzo(g,h,i)perylene	ND	0.21	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120221
Lab ID:	45227-04
Date Received:	12/16/94
Date Prepared:	12/20/94
Date Analyzed:	12/22/94
% Solids	-

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Nitrobenzene - d5	62		35	114
2 - Fluorobiphenyl	72		43	116
p - Terphenyl - d14	80		33	141
Phenol - d5	29		10	94
2 - Fluorophenol	54		21	100
2,4,6 - Tribromophenol	77		10	123

Analyte	**Result (ug/L)**	**PQL**	**Flags**
Phenol	ND	0.3	
bis(2-Chloroethyl)ether	ND	0.4	
2-Chlorophenol	ND	0.43	
1,3-Dichlorobenzene	ND	0.58	
1,4-Dichlorobenzene	ND	0.55	
Benzyl Alcohol	ND	1.6	
1,2-Dichlorobenzene	ND	0.59	
2-Methylphenol	ND	0.56	
bis(2-Chloroisopropyl)ether	ND	0.98	
4-Methylphenol	ND	1.5	
N-nitroso-di-n-propylamine	ND	1.1	
Hexachloroethane	ND	1.1	
Nitrobenzene	ND	1.6	
Isophorone	ND	1.3	
2-Nitrophenol	ND	0.56	
2,4-Dimethylphenol	ND	0.43	
Benzoic Acid	ND	0.68	
bis(2-Chloroethoxy)methane	ND	0.57	
2,4-Dichlorophenol	ND	0.41	
1,2,4-Trichlorobenzene	ND	0.54	
Naphthalene	ND	0.41	
4-Chloroaniline	ND	0.49	
Hexachlorobutadiene	ND	0.43	
4-Chloro-3-methylphenol	ND	0.4	
2-Methylnaphthalene	ND	0.43	
Hexachlorocyclopentadiene	ND	0.71	

SOUND ANALYTICAL SERVICES, INC.

Semivolatile Organics by USEPA Method 8270 data for 45227-04 continued...

Analyte	Result (ug/L)	PQL	Flags
2,4,6-Trichlorophenol	ND	0.44	
2,4,5-Trichlorophenol	ND	0.47	
2-Chloronaphthalene	ND	0.67	
2-Nitroaniline	ND	0.66	
Dimethylphthalate	ND	0.63	
Acenaphthylene	ND	0.41	
2,6-Dinitrotoluene	0.33	0.4	J
3-Nitroaniline	ND	0.34	
Acenaphthene	ND	0.57	
2,4-Dinitrophenol	ND	0.42	
4-Nitrophenol	ND	0.14	
Dibenzofuran	ND	0.55	
2,4-Dinitrotoluene	ND	0.71	
Diethylphthalate	ND	0.56	
4-Chlorophenyl phenyl ether	ND	0.5	
Fluorene	ND	0.83	
4-Nitroaniline	ND	0.51	
4,6-Dinitro-2-methylphenol	ND	0.33	
N-Nitrosodiphenylamine	ND	0.61	
4-Bromophenyl phenyl ether	ND	0.34	
Hexachlorobenzene	ND	0.4	
Pentachlorophenol	ND	0.54	
Phenanthrene	ND	0.64	
Anthracene	ND	0.53	
Di-n-butylphthalate	0.73	1.3	J B1
Fluoranthene	ND	0.4	
Pyrene	ND	0.46	
Butylbenzylphthalate	ND	0.46	
3,3'-Dichlorobenzidine	ND	0.62	
Benzo(a)anthracene	ND	0.44	
Chrysene	ND	0.46	
bis(2-Ethylhexyl)phthalate	1.2	1.6	J B1
Di-n-octylphthalate	ND	0.46	
Benzo(b)fluoranthene	ND	0.45	
Benzo(k)fluoranthene	ND	0.39	
Benzo(a)pyrene	ND	0.16	
Indeno(1,2,3-cd)pyrene	ND	0.16	
Dibenz(a,h)anthracene	ND	0.15	
Benzo(g,h,i)perylene	ND	0.21	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120219
Lab ID:	45227-06
Date Received:	12/16/94
Date Prepared:	12/20/94
Date Analyzed:	12/22/94
% Solids	-

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Nitrobenzene - d5	70		35	114
2 - Fluorobiphenyl	80		43	116
p - Terphenyl - d14	101		33	141
Phenol - d5	27		10	94
2 - Fluorophenol	53		21	100
2,4,6 - Tribromophenol	100		10	123

Analyte	Result (ug/L)	PQL	Flags
Phenol	ND	0.26	
bis(2-Chloroethyl)ether	ND	0.35	
2-Chlorophenol	ND	0.38	
1,3-Dichlorobenzene	ND	0.5	
1,4-Dichlorobenzene	ND	0.49	
Benzyl Alcohol	ND	1.4	
1,2-Dichlorobenzene	ND	0.52	
2-Methylphenol	ND	0.49	
bis(2-Chloroisopropyl)ether	ND	0.86	
4-Methylphenol	ND	1.3	
N-nitroso-di-n-propylamine	ND	0.93	
Hexachloroethane	ND	0.93	
Nitrobenzene	ND	1.4	
Isophorone	ND	1.1	
2-Nitrophenol	ND	0.49	
2,4-Dimethylphenol	ND	0.38	
Benzoic Acid	ND	0.6	
bis(2-Chloroethoxy)methane	ND	0.5	
2,4-Dichlorophenol	ND	0.36	
1,2,4-Trichlorobenzene	ND	0.47	
Naphthalene	ND	0.36	
4-Chloroaniline	ND	0.43	
Hexachlorobutadiene	ND	0.38	
4-Chloro-3-methylphenol	ND	0.35	
2-Methylnaphthalene	ND	0.38	
Hexachlorocyclopentadiene	ND	0.62	

SOUND ANALYTICAL SERVICES, INC.

Semivolatile Organics by USEPA Method 8270 data for 45227-06 continued...

Analyte	Result (ug/L)	PQL	Flags
2,4,6-Trichlorophenol	ND	0.39	
2,4,5-Trichlorophenol	ND	0.41	
2-Chloronaphthalene	ND	0.59	
2-Nitroaniline	ND	0.58	
Dimethylphthalate	ND	0.55	
Acenaphthylene	ND	0.36	
2,6-Dinitrotoluene	ND	0.35	
3-Nitroaniline	ND	0.3	
Acenaphthene	0.37	0.5	J
2,4-Dinitrophenol	ND	0.37	
4-Nitrophenol	ND	0.12	
Dibenzofuran	ND	0.48	
2,4-Dinitrotoluene	ND	0.62	
Diethylphthalate	ND	0.49	
4-Chlorophenyl phenyl ether	ND	0.44	
Fluorene	ND	0.72	
4-Nitroaniline	ND	0.45	
4,6-Dinitro-2-methylphenol	ND	0.29	
N-Nitrosodiphenylamine	ND	0.54	
4-Bromophenyl phenyl ether	ND	0.3	
Hexachlorobenzene	ND	0.35	
Pentachlorophenol	0.58	0.48	
Phenanthrene	ND	0.56	
Anthracene	ND	0.47	
Di-n-butylphthalate	56	1.1	B2
Fluoranthene	ND	0.35	
Pyrene	ND	0.4	
Butylbenzylphthalate	0.29	0.4	J
3,3'-Dichlorobenzidine	ND	0.54	
Benzo(a)anthracene	ND	0.39	
Chrysene	ND	0.4	
bis(2-Ethylhexyl)phthalate	1.7	1.4	B1
Di-n-octylphthalate	ND	0.4	
Benzo(b)fluoranthene	ND	0.4	
Benzo(k)fluoranthene	ND	0.34	
Benzo(a)pyrene	ND	0.14	
Indeno(1,2,3-cd)pyrene	ND	0.14	
Dibenz(a,h)anthracene	ND	0.13	
Benzo(g,h,i)perylene	ND	0.19	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120201
Lab ID:	45227-07
Date Received:	12/16/94
Date Prepared:	12/28/95
Date Analyzed:	12/28/95
% Solids	68.05

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Nitrobenzene - d5	73		23	120
2 - Fluorobiphenyl	102		30	115
p - Terphenyl - d14	95		18	137
Phenol - d5	88		24	113
2 - Fluorophenol	103		25	121
2,4,6 - Tribromophenol	95		19	122

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	PQL	Flags
Phenol	ND	53	
bis(2-Chloroethyl)ether	ND	72	
2-Chlorophenol	ND	78	
1,3-Dichlorobenzene	ND	100	
1,4-Dichlorobenzene	ND	99	
Benzyl Alcohol	ND	280	
1,2-Dichlorobenzene	ND	110	
2-Methylphenol	ND	100	
bis(2-Chloroisopropyl)ether	ND	170	
4-Methylphenol	ND	270	
N-nitroso-di-n-propylamine	ND	190	
Hexachloroethane	ND	190	
Nitrobenzene	ND	290	
Isophorone	ND	220	
2-Nitrophenol	ND	100	
2,4-Dimethylphenol	ND	77	
Benzoic Acid	ND	120	
bis(2-Chloroethoxy)methane	ND	100	
2,4-Dichlorophenol	ND	73	
1,2,4-Trichlorobenzene	ND	96	
Naphthalene	ND	74	
4-Chloroaniline	ND	87	
Hexachlorobutadiene	ND	77	
4-Chloro-3-methylphenol	ND	72	
2-Methylnaphthalene	ND	78	
Hexachlorocyclopentadiene	ND	130	

SOUND ANALYTICAL SERVICES, INC.

Semivolatile Organics by USEPA Method 8270 data for 45227-07 continued...

Analyte	Result (ug/kg)	PQL	Flags
2,4,6-Trichlorophenol	ND	79	
2,4,5-Trichlorophenol	ND	85	
2-Chloronaphthalene	ND	120	
2-Nitroaniline	ND	120	
Dimethylphthalate	ND	110	
Acenaphthylene	ND	73	
2,6-Dinitrotoluene	ND	71	
3-Nitroaniline	ND	61	
Acenaphthene	ND	100	
2,4-Dinitrophenol	ND	75	
4-Nitrophenol	ND	25	
Dibenzofuran	ND	98	
2,4-Dinitrotoluene	ND	130	
Diethylphthalate	ND	100	
4-Chlorophenyl phenyl ether	ND	89	
Fluorene	ND	150	
4-Nitroaniline	ND	91	
4,6-Dinitro-2-methylphenol	ND	59	
N-Nitrosodiphenylamine	ND	110	
4-Bromophenyl phenyl ether	ND	60	
Hexachlorobenzene	ND	72	
Pentachlorophenol	ND	97	
Phenanthrene	ND	110	
Anthracene	ND	95	
Di-n-butylphthalate	ND	230	
Fluoranthene	ND	71	
Pyrene	ND	82	
Butylbenzylphthalate	ND	82	
3,3'-Dichlorobenzidine	ND	110	
Benzo(a)anthracene	ND	79	
Chrysene	ND	83	
bis(2-Ethylhexyl)phthalate	6500	290	
Di-n-octylphthalate	ND	83	
Benzo(b)fluoranthene	ND	81	
Benzo(k)fluoranthene	ND	69	
Benzo(a)pyrene	ND	29	
Indeno(1,2,3-cd)pyrene	ND	28	
Dibenz(a,h)anthracene	ND	27	
Benzo(g,h,i)perylene	ND	38	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120201
Lab ID:	45227-7C
Date Received:	12/16/94
Date Prepared:	12/28/94
Date Analyzed:	1/12/95
% Solids	68.05

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Phenol - d5	29		24	113
2 - Fluorophenol	44		25	121
2,4,6 - Tribromophenol	89		19	122

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	PQL	Flags
Pentachlorophenol	83	97	J

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120207
Lab ID:	45227-08
Date Received:	12/16/94
Date Prepared:	12/28/95
Date Analyzed:	12/28/95
% Solids	63.32

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Nitrobenzene - d5	-	X8	23	120
2 - Fluorobiphenyl	-	X8	30	115
p - Terphenyl - d14	-	X8	18	137
Phenol - d5	-	X8	24	113
2 - Fluorophenol	-	X8	25	121
2,4,6 - Tribromophenol	-	X8	19	122

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**Flags**
Phenol	ND	5700	
bis(2-Chloroethyl)ether	ND	7700	
2-Chlorophenol	ND	8300	
1,3-Dichlorobenzene	ND	11000	
1,4-Dichlorobenzene	ND	11000	
Benzyl Alcohol	ND	30000	
1,2-Dichlorobenzene	ND	11000	
2-Methylphenol	ND	11000	
bis(2-Chloroisopropyl)ether	ND	19000	
4-Methylphenol	ND	29000	
N-nitroso-di-n-propylamine	ND	20000	
Hexachloroethane	ND	20000	
Nitrobenzene	ND	31000	
Isophorone	ND	24000	
2-Nitrophenol	ND	11000	
2,4-Dimethylphenol	ND	8200	
Benzoic Acid	ND	13000	
bis(2-Chloroethoxy)methane	ND	11000	
2,4-Dichlorophenol	ND	7800	
1,2,4-Trichlorobenzene	ND	10000	
Naphthalene	ND	7900	
4-Chloroaniline	ND	9400	
Hexachlorobutadiene	ND	8200	
4-Chloro-3-methylphenol	ND	7700	
2-Methylnaphthalene	ND	8300	
Hexachlorocyclopentadiene	ND	14000	

Semivolatile Organics by USEPA Method 8270 data for 45227-08 continued...

Analyte	Result (ug/kg)	PQL	Flags
2,4,6-Trichlorophenol	ND	8500	
2,4,5-Trichlorophenol	ND	9100	
2-Chloronaphthalene	ND	13000	
2-Nitroaniline	ND	13000	
Dimethylphthalate	ND	12000	
Acenaphthylene	ND	7800	
2,6-Dinitrotoluene	ND	7600	
3-Nitroaniline	ND	6600	
Acenaphthene	ND	11000	
2,4-Dinitrophenol	ND	8000	
4-Nitrophenol	ND	2700	
Dibenzofuran	ND	11000	
2,4-Dinitrotoluene	ND	14000	
Diethylphthalate	ND	11000	
4-Chlorophenyl phenyl ether	ND	9600	
Fluorene	ND	16000	
4-Nitroaniline	ND	9800	
4,6-Dinitro-2-methylphenol	ND	6400	
N-Nitrosodiphenylamine	ND	12000	
4-Bromophenyl phenyl ether	ND	6500	
Hexachlorobenzene	ND	7700	
Pentachlorophenol	ND	10000	
Phenanthrene	ND	12000	
Anthracene	ND	10000	
Di-n-butylphthalate	ND	24000	
Fluoranthene	ND	7600	
Pyrene	ND	8800	
Butylbenzylphthalate	ND	8800	
3,3'-Dichlorobenzidine	ND	12000	
Benzo(a)anthracene	ND	8500	
Chrysene	ND	8900	
bis(2-Ethylhexyl)phthalate	ND	31000	
Di-n-octylphthalate	ND	8900	
Benzo(b)fluoranthene	ND	8700	
Benzo(k)fluoranthene	ND	7400	
Benzo(a)pyrene	ND	3100	
Indeno(1,2,3-cd)pyrene	ND	3000	
Dibenz(a,h)anthracene	ND	2900	
Benzo(g,h,i)perylene	ND	4100	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120207
Lab ID:	45227-8C
Date Received:	12/16/94
Date Prepared:	12/28/94
Date Analyzed:	1/12/95
% Solids	63.32

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Phenol - d5	38		24	113
2 - Fluorophenol	64		25	121
2,4,6 - Tribromophenol	93		19	122

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	PQL	Flags
Pentachlorophenol	66	100	J

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120210
Lab ID:	45227-01
Date Received:	12/16/94
Date Prepared:	12/20/94
Date Analyzed:	12/21/94
% Solids	-

Organochlorine Pesticides and PCBs by USEPA Method 8080

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
TCMX	66		50	150
Decachlorobiphenyl	80		50	150

Analyte	**Result (ug/L)**	**PQL**	**Flags**
Aroclor 1016	ND	0.52	
Aroclor 1221	ND	0.52	
Aroclor 1232	ND	0.52	
Aroclor 1242	ND	0.52	
Aroclor 1248	ND	0.52	
Aroclor 1254	ND	0.52	
Aroclor 1260	ND	0.52	
Aldrin	ND	0.01	
alpha-BHC	ND	0.01	
beta-BHC	ND	0.01	
delta-BHC	ND	0.01	
gamma-BHC (Lindane)	ND	0.01	
Chlordane (technical)	ND	0.1	
4,4'-DDD	ND	0.021	
4,4'-DDE	ND	0.021	
4,4'-DDT	ND	0.021	
Dieldrin	ND	0.021	
Endosulfan I	ND	0.01	
Endosulfan II	ND	0.021	
Endosulfan sulfate	ND	0.021	
Endrin	ND	0.021	
Endrin aldehyde	ND	0.021	
Heptachlor	ND	0.01	
Heptachlor epoxide	ND	0.01	
Methoxychlor	ND	0.1	
Endrin ketone	ND	0.021	

SOUND ANALYTICAL SERVICES, INC.

Organochlorine Pesticides and PCBs by USEPA Method 8080 data for 45227-01 continued...

Analyte	Result (ug/L)	PQL	Flags
Toxaphene	ND	1	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120211
Lab ID:	45227-02
Date Received:	12/16/94
Date Prepared:	12/20/94
Date Analyzed:	12/21/94
% Solids	-

Organochlorine Pesticides and PCBs by USEPA Method 8080

Surrogate	% Recovery	Flags	Recovery Limits Low	High
TCMX	70		50	150
Decachlorobiphenyl	78		50	150

Analyte	Result (ug/L)	PQL	Flags
Aroclor 1016	ND	0.52	
Aroclor 1221	ND	0.52	
Aroclor 1232	ND	0.52	
Aroclor 1242	ND	0.52	
Aroclor 1248	ND	0.52	
Aroclor 1254	ND	0.52	
Aroclor 1260	ND	0.52	
Aldrin	ND	0.01	
alpha-BHC	ND	0.01	
beta-BHC	ND	0.01	
delta-BHC	ND	0.01	
gamma-BHC (Lindane)	ND	0.01	
Chlordane (technical)	ND	0.1	
4,4'-DDD	ND	0.021	
4,4'-DDE	ND	0.021	
4,4'-DDT	ND	0.021	
Dieldrin	ND	0.021	
Endosulfan I	ND	0.01	
Endosulfan II	ND	0.021	
Endosulfan sulfate	ND	0.021	
Endrin	ND	0.021	
Endrin aldehyde	ND	0.021	
Heptachlor	ND	0.01	
Heptachlor epoxide	ND	0.01	
Methoxychlor	ND	0.1	
Endrin ketone	ND	0.021	

SOUND ANALYTICAL SERVICES, INC.

Organochlorine Pesticides and PCBs by USEPA Method 8080 data for 45227-02 continued...

Analyte	Result (ug/L)	PQL	Flags
Toxaphene	ND	1	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120212
Lab ID:	45227-03
Date Received:	12/16/94
Date Prepared:	12/20/94
Date Analyzed:	12/21/94
% Solids	-

Organochlorine Pesticides and PCBs by USEPA Method 8080

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
TCMX	66		50	150
Decachlorobiphenyl	77		50	150

Analyte	Result (ug/L)	PQL	Flags
Aroclor 1016	ND	0.52	
Aroclor 1221	ND	0.52	
Aroclor 1232	ND	0.52	
Aroclor 1242	ND	0.52	
Aroclor 1248	ND	0.52	
Aroclor 1254	ND	0.52	
Aroclor 1260	ND	0.52	
Aldrin	ND	0.01	
alpha-BHC	ND	0.01	
beta-BHC	ND	0.01	
delta-BHC	ND	0.01	
gamma-BHC (Lindane)	ND	0.01	
Chlordane (technical)	ND	0.1	
4,4'-DDD	ND	0.021	
4,4'-DDE	ND	0.021	
4,4'-DDT	ND	0.021	
Dieldrin	ND	0.021	
Endosulfan I	ND	0.01	
Endosulfan II	ND	0.021	
Endosulfan sulfate	ND	0.021	
Endrin	ND	0.021	
Endrin aldehyde	ND	0.021	
Heptachlor	ND	0.01	
Heptachlor epoxide	ND	0.01	
Methoxychlor	ND	0.1	
Endrin ketone	ND	0.021	

SOUND ANALYTICAL SERVICES, INC.

Organochlorine Pesticides and PCBs by USEPA Method 8080 data for 45227-03 continued...

Analyte	Result (ug/L)	PQL	Flags
Toxaphene	ND	1	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120221
Lab ID:	45227-04
Date Received:	12/16/94
Date Prepared:	12/20/94
Date Analyzed:	12/21/94
% Solids	-

Organochlorine Pesticides and PCBs by USEPA Method 8080

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
TCMX	66		50	150
Decachlorobiphenyl	58		50	150

Analyte	**Result (ug/L)**	**PQL**	**Flags**
Aroclor 1016	ND	0.56	
Aroclor 1221	ND	0.56	
Aroclor 1232	ND	0.56	
Aroclor 1242	ND	0.56	
Aroclor 1248	ND	0.56	
Aroclor 1254	ND	0.56	
Aroclor 1260	ND	0.56	
Aldrin	ND	0.011	
alpha-BHC	ND	0.011	
beta-BHC	ND	0.011	
delta-BHC	ND	0.011	
gamma-BHC (Lindane)	ND	0.011	
Chlordane (technical)	ND	0.11	
4,4'-DDD	ND	0.022	
4,4'-DDE	ND	0.022	
4,4'-DDT	ND	0.022	
Dieldrin	ND	0.022	
Endosulfan I	ND	0.011	
Endosulfan II	ND	0.022	
Endosulfan sulfate	ND	0.022	
Endrin	ND	0.022	
Endrin aldehyde	ND	0.022	
Heptachlor	ND	0.011	
Heptachlor epoxide	ND	0.011	
Methoxychlor	ND	0.11	
Endrin ketone	ND	0.022	

SOUND ANALYTICAL SERVICES, INC.

Organochlorine Pesticides and PCBs by USEPA Method 8080 data for 45227-04 continued...

Analyte	Result (ug/L)	PQL	Flags
Toxaphene	ND	1.1	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120217
Lab ID:	45227-05
Date Received:	12/16/94
Date Prepared:	12/20/94
Date Analyzed:	12/21/94
% Solids	-

Organochlorine Pesticides and PCBs by USEPA Method 8080

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
TCMX	82		50	150
Decachlorobiphenyl	84		50	150

Analyte	Result (ug/L)	PQL	Flags
Aroclor 1016	ND	0.81	
Aroclor 1221	ND	0.81	
Aroclor 1232	ND	0.81	
Aroclor 1242	ND	0.81	
Aroclor 1248	ND	0.81	
Aroclor 1254	ND	0.81	
Aroclor 1260	ND	0.81	
Aldrin	ND	0.016	
alpha-BHC	ND	0.016	
beta-BHC	ND	0.016	
delta-BHC	ND	0.016	
gamma-BHC (Lindane)	ND	0.016	
Chlordane (technical)	ND	0.16	
4,4'-DDD	ND	0.032	
4,4'-DDE	ND	0.032	
4,4'-DDT	ND	0.032	
Dieldrin	ND	0.032	
Endosulfan I	ND	0.016	
Endosulfan II	ND	0.032	
Endosulfan sulfate	ND	0.032	
Endrin	ND	0.032	
Endrin aldehyde	ND	0.032	
Heptachlor	ND	0.016	
Heptachlor epoxide	ND	0.016	
Methoxychlor	ND	0.16	
Endrin ketone	ND	0.032	

SOUND ANALYTICAL SERVICES, INC.

Organochlorine Pesticides and PCBs by USEPA Method 8080 data for 45227-05 continued...

Analyte	Result (ug/L)	PQL	Flags
Toxaphene	ND	1.6	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120201
Lab ID:	45227-07
Date Received:	12/16/94
Date Prepared:	12/19/94
Date Analyzed:	12/20/94
% Solids	68.05

Organochlorine Pesticides and PCBs by USEPA Method 8080

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
TCMX	69		50	150
Decachlorobiphenyl	97		50	150

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**Flags**
Aroclor 1016	ND	70	
Aroclor 1221	ND	70	
Aroclor 1232	ND	70	
Aroclor 1242	ND	70	
Aroclor 1248	ND	70	
Aroclor 1254	ND	70	
Aroclor 1260	ND	70	
Aldrin	ND	1.4	
alpha-BHC	ND	1.4	
beta-BHC	ND	1.4	
delta-BHC	ND	1.4	
gamma-BHC (Lindane)	ND	1.4	
Chlordane (technical)	ND	14	
4,4'-DDD	ND	2.8	
4,4'-DDE	ND	2.8	
4,4'-DDT	ND	2.8	
Dieldrin	ND	2.8	
Endosulfan I	0.76	1.4	J
Endosulfan II	ND	2.8	
Endosulfan sulfate	0.94	2.8	J
Endrin	ND	2.8	
Endrin aldehyde	ND	2.8	
Heptachlor	ND	1.4	
Heptachlor epoxide	ND	1.4	
Methoxychlor	ND	14	
Endrin ketone	ND	2.8	

SOUND ANALYTICAL SERVICES, INC.

Organochlorine Pesticides and PCBs by USEPA Method 8080 data for 45227-07 continued...

Analyte	Result (ug/kg)	PQL	Flags
Toxaphene	ND	140	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120207
Lab ID:	45227-08
Date Received:	12/16/94
Date Prepared:	12/19/94
Date Analyzed:	12/20/94
% Solids	63.32

Organochlorine Pesticides and PCBs by USEPA Method 8080

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
TCMX	68		50	150
Decachlorobiphenyl	84		50	150

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**Flags**
Aroclor 1016	ND	78	
Aroclor 1221	ND	78	
Aroclor 1232	ND	78	
Aroclor 1242	ND	78	
Aroclor 1248	ND	78	
Aroclor 1254	ND	78	
Aroclor 1260	ND	78	
Aldrin	ND	1.6	
alpha-BHC	ND	1.6	
beta-BHC	ND	1.6	
delta-BHC	ND	1.6	
gamma-BHC (Lindane)	ND	1.6	
Chlordane (technical)	ND	16	
4,4'-DDD	ND	3.1	
4,4'-DDE	ND	3.1	
4,4'-DDT	2.6	3.1	J
Dieldrin	ND	3.1	
Endosulfan I	ND	1.6	
Endosulfan II	1.3	3.1	J
Endosulfan sulfate	ND	3.1	
Endrin	ND	3.1	
Endrin aldehyde	ND	3.1	
Heptachlor	ND	1.6	
Heptachlor epoxide	ND	1.6	
Methoxychlor	3.3	16	J
Endrin ketone	ND	3.1	

SOUND ANALYTICAL SERVICES, INC.

Organochlorine Pesticides and PCBs by USEPA Method 8080 data for 45227-08 continued...

Analyte	Result (ug/kg)	PQL	Flags
Toxaphene	ND	160	

SOUND ANALYTICAL SERVICES, INC.

Lab ID:	Method Blank - SV176
Date Received:	-
Date Prepared:	12/20/94
Date Analyzed:	12/21/94
% Solids	-

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Nitrobenzene - d5	54		35	114
2 - Fluorobiphenyl	62		43	116
p - Terphenyl - d14	74		33	141
Phenol - d5	23		10	94
2 - Fluorophenol	42		21	100
2,4,6 - Tribromophenol	68		10	123

Analyte	Result (ug/L)	PQL	Flags
Phenol	ND	0.28	
bis(2-Chloroethyl)ether	ND	0.37	
2-Chlorophenol	ND	0.4	
1,3-Dichlorobenzene	ND	0.53	
1,4-Dichlorobenzene	ND	0.51	
Benzyl Alcohol	ND	1.4	
1,2-Dichlorobenzene	ND	0.55	
2-Methylphenol	ND	0.52	
bis(2-Chloroisopropyl)ether	ND	0.9	
4-Methylphenol	ND	1.4	
N-nitroso-di-n-propylamine	ND	0.98	
Hexachloroethane	ND	0.98	
Nitrobenzene	ND	1.5	
Isophorone	ND	1.2	
2-Nitrophenol	ND	0.52	
2,4-Dimethylphenol	ND	0.4	
Benzoic Acid	ND	0.63	
bis(2-Chloroethoxy)methane	ND	0.53	
2,4-Dichlorophenol	ND	0.38	
1,2,4-Trichlorobenzene	ND	0.5	
Naphthalene	ND	0.38	
4-Chloroaniline	ND	0.45	
Hexachlorobutadiene	ND	0.4	
4-Chloro-3-methylphenol	ND	0.37	
2-Methylnaphthalene	ND	0.4	
Hexachlorocyclopentadiene	ND	0.65	

SOUND ANALYTICAL SERVICES, INC.

Semivolatile Organics by USEPA Method 8270 data for SV176 continued...

Analyte	Result (ug/L)	PQL	Flags
2,4,6-Trichlorophenol	ND	0.41	
2,4,5-Trichlorophenol	ND	0.44	
2-Chloronaphthalene	ND	0.62	
2-Nitroaniline	ND	0.61	
Dimethylphthalate	ND	0.58	
Acenaphthylene	ND	0.38	
2,6-Dinitrotoluene	ND	0.37	
3-Nitroaniline	ND	0.32	
Acenaphthene	ND	0.53	
2,4-Dinitrophenol	ND	0.39	
4-Nitrophenol	ND	0.13	
Dibenzofuran	ND	0.51	
2,4-Dinitrotoluene	ND	0.65	
Diethylphthalate	ND	0.52	
4-Chlorophenyl phenyl ether	ND	0.46	
Fluorene	ND	0.76	
4-Nitroaniline	ND	0.47	
4,6-Dinitro-2-methylphenol	ND	0.31	
N-Nitrosodiphenylamine	ND	0.57	
4-Bromophenyl phenyl ether	ND	0.31	
Hexachlorobenzene	ND	0.37	
Pentachlorophenol	ND	0.5	
Phenanthrene	ND	0.59	
Anthracene	ND	0.49	
Di-n-butylphthalate	3.6	1.2	
Fluoranthene	ND	0.37	
Pyrene	ND	0.42	
Butylbenzylphthalate	ND	0.42	
3,3'-Dichlorobenzidine	ND	0.57	
Benzo(a)anthracene	ND	0.41	
Chrysene	ND	0.43	
bis(2-Ethylhexyl)phthalate	0.9	1.5	J
Di-n-octylphthalate	ND	0.43	
Benzo(b)fluoranthene	ND	0.42	
Benzo(k)fluoranthene	ND	0.36	
Benzo(a)pyrene	ND	0.15	
Indeno(1,2,3-cd)pyrene	ND	0.15	
Dibenz(a,h)anthracene	ND	0.14	
Benzo(g,h,i)perylene	ND	0.2	

SOUND ANALYTICAL SERVICES, INC.

Lab ID:	Method Blank - SV185
Date Received:	-
Date Prepared:	12/28/95
Date Analyzed:	12/28/95
% Solids	

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Nitrobenzene - d5	73		23	120
2 - Fluorobiphenyl	88		30	115
p - Terphenyl - d14	82		18	137
Phenol - d5	84		24	113
2 - Fluorophenol	96		25	121
2,4,6 - Tribromophenol	62		19	122

Sample results are on an as received basis.

Analyte	Result (ug/kg)	PQL	Flags
Phenol	ND	28	
bis(2-Chloroethyl)ether	ND	37	
2-Chlorophenol	ND	40	
1,3-Dichlorobenzene	ND	53	
1,4-Dichlorobenzene	ND	51	
Benzyl Alcohol	ND	140	
1,2-Dichlorobenzene	ND	55	
2-Methylphenol	ND	52	
bis(2-Chloroisopropyl)ether	ND	90	
4-Methylphenol	ND	140	
N-nitroso-di-n-propylamine	ND	98	
Hexachloroethane	ND	98	
Nitrobenzene	ND	150	
Isophorone	ND	120	
2-Nitrophenol	ND	52	
2,4-Dimethylphenol	ND	40	
Benzoic Acid	ND	63	
bis(2-Chloroethoxy)methane	ND	53	
2,4-Dichlorophenol	ND	38	
1,2,4-Trichlorobenzene	ND	50	
Naphthalene	ND	38	
4-Chloroaniline	ND	45	
Hexachlorobutadiene	ND	40	
4-Chloro-3-methylphenol	ND	37	
2-Methylnaphthalene	ND	40	
Hexachlorocyclopentadiene	ND	65	

SOUND ANALYTICAL SERVICES, INC.

Semivolatile Organics by USEPA Method 8270 data for SV185 continued...

Analyte	Result (ug/kg)	PQL	Flags
2,4,6-Trichlorophenol	ND	41	
2,4,5-Trichlorophenol	ND	44	
2-Chloronaphthalene	ND	62	
2-Nitroaniline	ND	61	
Dimethylphthalate	ND	58	
Acenaphthylene	ND	38	
2,6-Dinitrotoluene	ND	37	
3-Nitroaniline	ND	32	
Acenaphthene	ND	53	
2,4-Dinitrophenol	ND	39	
4-Nitrophenol	ND	13	
Dibenzofuran	ND	51	
2,4-Dinitrotoluene	ND	65	
Diethylphthalate	ND	52	
4-Chlorophenyl phenyl ether	ND	46	
Fluorene	ND	76	
4-Nitroaniline	ND	47	
4,6-Dinitro-2-methylphenol	ND	31	
N-Nitrosodiphenylamine	ND	57	
4-Bromophenyl phenyl ether	ND	31	
Hexachlorobenzene	ND	37	
Pentachlorophenol	ND	50	
Phenanthrene	ND	59	
Anthracene	ND	49	
Di-n-butylphthalate	ND	120	
Fluoranthene	ND	37	
Pyrene	ND	42	
Butylbenzylphthalate	ND	42	
3,3'-Dichlorobenzidine	ND	57	
Benzo(a)anthracene	ND	41	
Chrysene	ND	43	
bis(2-Ethylhexyl)phthalate	ND	150	
Di-n-octylphthalate	ND	43	
Benzo(b)fluoranthene	ND	42	
Benzo(k)fluoranthene	ND	36	
Benzo(a)pyrene	ND	15	
Indeno(1,2,3-cd)pyrene	ND	15	
Dibenz(a,h)anthracene	ND	14	
Benzo(g,h,i)perylene	ND	20	

SOUND ANALYTICAL SERVICES, INC.

Lab ID:	Method Blank - SV185C
Date Received:	-
Date Prepared:	12/28/94
Date Analyzed:	1/12/95
% Solids	

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Phenol - d5	33		24	113
2 - Fluorophenol	74		25	121
2,4,6 - Tribromophenol	93		19	122

Sample results are on an as received basis.

Analyte	Result (ug/kg)	PQL	Flags
Pentachlorophenol	ND	50	

SOUND ANALYTICAL SERVICES, INC.

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	T4120135
Lab ID:	45229-07
Date Prepared:	12/20/94
Date Analyzed:	12/21/94
QC Batch ID:	SV176

Semivolatile Organics by USEPA Method 8270

Compound Name	Sample Result (ug/L)	Spike Amount (ug/L)	MS Result (ug/L)	MS % Rec.	MSD Result (ug/L)	MSD % Rec.	RPD	Flag
Phenol	0	43	7.9	18	11	24	28.0	
2-Chlorophenol	0	43	26	60	31	69	15.0	
1,4-Dichlorobenzene	0	43	24	56	28	63	11.0	
N-nitroso-di-n-propylamine	0	43	28	65	29	65	0.0	
1,2,4-Trichlorobenzene	0	43	23	54	27	59	10.0	
4-Chloro-3-methylphenol	0	43	31	72	37	83	14.0	
Acenaphthene	0	43	28	64	32	72	12.0	
4-Nitrophenol	0	43	11	26	16	35	29.0	
2,4-Dinitrotoluene	0	43	31	71	34	74	4.8	
Pentachlorophenol	0	43	51	118	52	114	3.4	
Pyrene	0	43	34	78	36	80	2.7	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120135 - msd
Lab ID:	45229D07
Date Received:	12/16/94
Date Prepared:	12/20/94
Date Analyzed:	12/22/94
% Solids	-

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Nitrobenzene - d5	60		35	114
2 - Fluorobiphenyl	70		43	116
p - Terphenyl - d14	79		33	141
Phenol - d5	27		10	94
2 - Fluorophenol	48		21	100
2,4,6 - Tribromophenol	82		10	123

Analyte	**Result (ug/L)**	**PQL**	**Flags**
Phenol	11	0.25	
2-Chlorophenol	31	0.36	
1,4-Dichlorobenzene	28	0.46	
N-nitroso-di-n-propylamine	29	0.88	
1,2,4-Trichlorobenzene	27	0.45	
4-Chloro-3-methylphenol	37	0.33	
Acenaphthene	32	0.47	
4-Nitrophenol	16	0.12	
2,4-Dinitrotoluene	34	0.59	
Pentachlorophenol	52	0.45	
Pyrene	36	0.38	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120135 - ms
Lab ID:	45229S07
Date Received:	12/16/94
Date Prepared:	12/20/94
Date Analyzed:	12/21/94
% Solids	-

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Nitrobenzene - d5	56		35	114
2 - Fluorobiphenyl	67		43	116
p - Terphenyl - d14	80		33	141
Phenol - d5	20		10	94
2 - Fluorophenol	37		21	100
2,4,6 - Tribromophenol	80		10	123

Analyte	**Result (ug/L)**	**PQL**	**Flags**
Phenol	7.9	0.24	
2-Chlorophenol	26	0.35	
1,4-Dichlorobenzene	24	0.44	
N-nitroso-di-n-propylamine	28	0.85	
1,2,4-Trichlorobenzene	23	0.43	
4-Chloro-3-methylphenol	31	0.32	
Acenaphthene	28	0.46	
4-Nitrophenol	11	0.11	
2,4-Dinitrotoluene	31	0.57	
Pentachlorophenol	51	0.43	
Pyrene	34	0.37	

SOUND ANALYTICAL SERVICES, INC.

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	T4120201
Lab ID:	45227-07
Date Prepared:	12/28/95
Date Analyzed:	12/28/95
QC Batch ID:	SV185

Semivolatile Organics by USEPA Method 8270

Compound Name	Sample Result (ug/kg)	Spike Amount (ug/kg)	MS Result (ug/kg)	MS % Rec.	MSD Result (ug/kg)	MSD % Rec.	RPD	Flag
Phenol	0	9800	7700	79	7400	78	2.0	
2-Chlorophenol	0	9800	7600	78	7700	81	4.4	
1,4-Dichlorobenzene	0	9800	8600	88	8400	88	0.8	
N-nitroso-di-n-propylamine	0	9800	7800	80	8400	88	9.0	
1,2,4-Trichlorobenzene	0	9800	8200	84	8300	87	4.3	
4-Chloro-3-methylphenol	0	9800	8900	91	8800	93	2.3	
Acenaphthene	0	9800	8700	89	9300	98	9.5	
4-Nitrophenol	0	9800	9000	92	9100	96	3.6	
2,4-Dinitrotoluene	0	9800	8400	86	8100	85	1.1	
Pentachlorophenol	0	9800	14000	147	15000	159	7.8	
Pyrene	0	9800	9100	93	8800	93	0.0	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120201 - ms
Lab ID:	45227S07
Date Received:	12/16/94
Date Prepared:	12/28/95
Date Analyzed:	12/28/95
% Solids	68.05

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Nitrobenzene - d5	70		23	120
2 - Fluorobiphenyl	102		30	115
p - Terphenyl - d14	104		18	137
Phenol - d5	104		24	113
2 - Fluorophenol	112		25	121
2,4,6 - Tribromophenol	117		19	122

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**Flags**
Phenol	7700	54	
2-Chlorophenol	7600	78	
1,4-Dichlorobenzene	8600	100	
N-nitroso-di-n-propylamine	7800	190	
1,2,4-Trichlorobenzene	8200	97	
4-Chloro-3-methylphenol	8900	72	
Acenaphthene	8700	100	
4-Nitrophenol	9000	25	
2,4-Dinitrotoluene	8400	130	
Pentachlorophenol	14000	98	
Pyrene	9100	82	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120201 - msd
Lab ID:	45227D07
Date Received:	12/16/94
Date Prepared:	12/28/95
Date Analyzed:	12/28/95
% Solids	68.05

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Nitrobenzene - d5	72		23	120
2 - Fluorobiphenyl	106		30	115
p - Terphenyl - d14	106		18	137
Phenol - d5	106		24	113
2 - Fluorophenol	111		25	121
2,4,6 - Tribromophenol	116		19	122

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**Flags**
Phenol	7400	52	
2-Chlorophenol	7700	76	
1,4-Dichlorobenzene	8400	97	
N-nitroso-di-n-propylamine	8400	190	
1,2,4-Trichlorobenzene	8300	94	
4-Chloro-3-methylphenol	8800	70	
Acenaphthene	9300	100	
4-Nitrophenol	9100	25	
2,4-Dinitrotoluene	8100	120	
Pentachlorophenol	15000	95	
Pyrene	8800	80	

SOUND ANALYTICAL SERVICES, INC.

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	T4120201
Lab ID:	45227-7C
Date Prepared:	12/28/94
Date Analyzed:	1/12/95
QC Batch ID:	SV185C

Semivolatile Organics by USEPA Method 8270

Compound Name	Sample Result (ug/kg)	Spike Amount (ug/kg)	MS Result (ug/kg)	MS % Rec.	MSD Result (ug/kg)	MSD % Rec.	RPD	Flag
Pentachlorophenol	83	9800	10000	106	9700	101	4.8	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120201 - ms
Lab ID:	45227S7C
Date Received:	12/16/94
Date Prepared:	12/28/94
Date Analyzed:	1/12/95
% Solids	68.05

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Phenol - d5	43		24	113
2 - Fluorophenol	38		25	121
2,4,6 - Tribromophenol	90		19	122

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	PQL	Flags
Pentachlorophenol	10000	98	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120201 - msd
Lab ID:	45227D7C
Date Received:	12/16/94
Date Prepared:	12/28/94
Date Analyzed:	1/12/95
% Solids	68.05

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Phenol - d5	54		24	113
2 - Fluorophenol	71		25	121
2,4,6 - Tribromophenol	107		19	122

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	PQL	Flags
Pentachlorophenol	9700	95	

SOUND ANALYTICAL SERVICES, INC.

Lab ID:	Method Blank - PE124
Date Received:	-
Date Prepared:	12/19/94
Date Analyzed:	12/20/94
% Solids	100

Organochlorine Pesticides and PCBs by USEPA Method 8080

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
TCMX	81		50	150
Decachlorobiphenyl	105		50	150

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**Flags**
Aroclor 1016	ND	50	
Aroclor 1221	ND	50	
Aroclor 1232	ND	50	
Aroclor 1242	ND	50	
Aroclor 1248	ND	50	
Aroclor 1254	ND	50	
Aroclor 1260	ND	50	
Aldrin	ND	1	
alpha-BHC	ND	1	
beta-BHC	ND	1	
delta-BHC	ND	1	
gamma-BHC (Lindane)	ND	1	
Chlordane (technical)	ND	10	
4,4'-DDD	ND	2	
4,4'-DDE	ND	2	
4,4'-DDT	ND	2	
Dieldrin	ND	2	
Endosulfan I	ND	1	
Endosulfan II	ND	2	
Endosulfan sulfate	ND	2	
Endrin	ND	2	
Endrin aldehyde	ND	2	
Heptachlor	ND	1	
Heptachlor epoxide	ND	1	
Methoxychlor	ND	10	
Endrin ketone	ND	2	

SOUND ANALYTICAL SERVICES, INC.

Organochlorine Pesticides and PCBs by USEPA Method 8080 data for PE124 continued...

Analyte	Result (ug/kg)	PQL	Flags
Toxaphene	ND	100	

SOUND ANALYTICAL SERVICES, INC.

Lab ID:	Method Blank - PE126
Date Received:	-
Date Prepared:	12/20/94
Date Analyzed:	12/21/94
% Solids	-

Organochlorine Pesticides and PCBs by USEPA Method 8080

Surrogate	% Recovery	Flags	Recovery Limits Low	High
TCMX	71		50	150
Decachlorobiphenyl	87		50	150

Analyte	Result (ug/L)	PQL	Flags
Aroclor 1016	ND	0.5	
Aroclor 1221	ND	0.5	
Aroclor 1232	ND	0.5	
Aroclor 1242	ND	0.5	
Aroclor 1248	ND	0.5	
Aroclor 1254	ND	0.5	
Aroclor 1260	ND	0.5	
Aldrin	ND	0.01	
alpha-BHC	ND	0.01	
beta-BHC	ND	0.01	
delta-BHC	ND	0.01	
gamma-BHC (Lindane)	ND	0.01	
Chlordane (technical)	ND	0.1	
4,4'-DDD	ND	0.02	
4,4'-DDE	ND	0.02	
4,4'-DDT	ND	0.02	
Dieldrin	ND	0.02	
Endosulfan I	ND	0.01	
Endosulfan II	ND	0.02	
Endosulfan sulfate	ND	0.02	
Endrin	ND	0.02	
Endrin aldehyde	ND	0.02	
Heptachlor	ND	0.01	
Heptachlor epoxide	ND	0.01	
Methoxychlor	ND	0.1	
Endrin ketone	ND	0.02	

SOUND ANALYTICAL SERVICES, INC.

Organochlorine Pesticides and PCBs by USEPA Method 8080 data for PE126 continued...

Analyte	Result (ug/L)	PQL	Flags
Toxaphene	ND	1	

SOUND ANALYTICAL SERVICES, INC.

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	T4120207
Lab ID:	45227-08
Date Prepared:	12/19/94
Date Analyzed:	12/20/94
QC Batch ID:	PE124

Organochlorine Pesticides and PCBs by USEPA Method 8080

Compound Name	Sample Result (ug/kg)	Spike Amount (ug/kg)	MS Result (ug/kg)	MS % Rec.	MSD Result (ug/kg)	MSD % Rec.	RPD	Flag
Aldrin	0	30	18	60	19	61	1.3	
gamma-BHC (Lindane)	0	30	17	55	16	53	4.4	
4,4'-DDT	2.6	61	35	54	34	52	5.1	
Dieldrin	0	61	31	51	29	47	8.1	
Endrin	0	61	36	59	34	56	5.9	
Heptachlor	0	30	19	64	20	64	0.3	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120207 - ms
Lab ID:	45227S08
Date Received:	12/16/94
Date Prepared:	12/19/94
Date Analyzed:	12/20/94
% Solids	63.32

Organochlorine Pesticides and PCBs by USEPA Method 8080

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
TCMX	63		50	150
Decachlorobiphenyl	71		50	150

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**Flags**
Aldrin	18	1.5	
gamma-BHC (Lindane)	17	1.5	
4,4'-DDT	35	3	
Dieldrin	31	3	
Endrin	36	3	
Heptachlor	19	1.5	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120207 - msd
Lab ID:	45227D08
Date Received:	12/16/94
Date Prepared:	12/19/94
Date Analyzed:	12/20/94
% Solids	63.32

Organochlorine Pesticides and PCBs by USEPA Method 8080

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
TCMX	64		50	150
Decachlorobiphenyl	73		50	150

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**Flags**
Aldrin	19	1.5	
gamma-BHC (Lindane)	16	1.5	
4,4'-DDT	34	3.1	
Dieldrin	29	3.1	
Endrin	34	3.1	
Heptachlor	20	1.5	

SOUND ANALYTICAL SERVICES, INC.

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	T4120217
Lab ID:	45227-05
Date Prepared:	12/20/94
Date Analyzed:	12/30/94
QC Batch ID:	PE126

Organochlorine Pesticides and PCBs by USEPA Method 8080

Compound Name	Sample Result (ug/L)	Spike Amount (ug/L)	MS Result (ug/L)	MS % Rec.	MSD Result (ug/L)	MSD % Rec.	RPD	Flag
Aldrin	0	0.22	0.19	86	0.16	77	11.0	
gamma-BHC (Lindane)	0	0.22	0.19	85	0.16	74	14.0	
4,4'-DDT	0	0.45	0.4	88	0.33	77	14.0	
Dieldrin	0	0.45	0.38	86	0.31	72	17.0	
Endrin	0	0.45	0.44	97	0.35	83	16.0	
Heptachlor	0	0.22	0.2	87	0.17	80	7.8	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120217 - ms
Lab ID:	45227S05
Date Received:	12/16/94
Date Prepared:	12/20/94
Date Analyzed:	12/30/94
% Solids	-

Organochlorine Pesticides and PCBs by USEPA Method 8080

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
TCMX	83		50	150
Decachlorobiphenyl	95		50	150

Analyte	**Result (ug/L)**	**PQL**	**Flags**
Aldrin	0.19	0.011	
gamma-BHC (Lindane)	0.19	0.011	
4,4'-DDT	0.4	0.022	
Dieldrin	0.38	0.022	
Endrin	0.44	0.022	
Heptachlor	0.2	0.011	

SOUND ANALYTICAL SERVICES, INC.

Client Name	Ecology & Environment
Client ID:	T4120217 - msd
Lab ID:	45227D05
Date Received:	12/16/94
Date Prepared:	12/20/94
Date Analyzed:	12/30/94
% Solids	-

Organochlorine Pesticides and PCBs by USEPA Method 8080

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
TCMX	74		50	150
Decachlorobiphenyl	89		50	150

Analyte	**Result (ug/L)**	**PQL**	**Flags**
Aldrin	0.16	0.011	
gamma-BHC (Lindane)	0.16	0.011	
4,4'-DDT	0.33	0.021	
Dieldrin	0.31	0.021	
Endrin	0.35	0.021	
Heptachlor	0.17	0.011	

SOUND ANALYTICAL SERVICES, INC.

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 • TELEPHONE 206-922-2310 • FAX 206-922-5047

DATA QUALIFIER FLAGS

J: The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.

B1: This analyte was also detected in the associated method blank. The reported sample results have been adjusted for moisture, final exract volume, and/or dilutions performed during extract preparation. The analyte concentration was evaluated prior to sample preparation adjustments, and was determined not to be significantly higher than the associated method blank (less than ten times the concentration reported in the blank).

B2: This analyte was also detected in the associated method blank. However, the analyte concentration in the sample was determined to be significantly higher than the method blank (greater than ten times the concentration reported in the blank).

E: The concentration of this analyte exceeded the instrument calibration range.

D: The reported result for this analyte is calculated based on a secondary dilution factor.

X1: Contaminant does not appear to be "typical" product. Elution pattern suggests it may be _____ .

X2: Contaminant does not appear to be "typical" product. Further testing is suggested for identification.

X3: Identification and quantification of peaks was complicated by matrix interference; GC/MS confirmation is recommended.

X4: RPD for duplicates outside advisory QC limits. Sample was re-analyzed with similar results.

X4a: RPD for duplicates outside advisory QC limits due to analyte concentration near the method practical quantitation limit/detection limit.

X5: Matrix spike was diluted out during analysis.

X6: Recovery of matrix spike outside advisory QC limits. Sample was re-analyzed with similar results.

X7: Recovery of matrix spike outside advisory QC limits. Matrix interference is indicated by blank spike recovery data.

X7a: Recovery and/or RPD values for MS/MSD outside advisory QC limits due to high contaminant levels.

X8: Surrogate was diluted out during analysis.

X9: Surrogate recovery outside advisory QC limits due to matrix composition.

N: See analytical narrative.

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1200 Sixth Avenue
Seattle WA 98101

FIELD SAMPLE DATA AND CHAIN OF CUSTODY SHEET

Case No.: EUA0797AA
Project Code: ZT 3101 Account: —
Name/Location —
Proj. Off.: Jeryl Kolb (EPA Lab Only, Leave Blank for Contract Lab) Tel.# 206/624-9537

☒ Enforcement/Custody
☒ Data Confidential
☒ Possible Toxic/Hazardous
☐ Data for STORET

Miscellaneous: Fax Results to M. Boykin and send hard copy to M. Woodke, E & E Seattle

Sampling Crew: J. Kolb, D. Franzen, D. Hartley
Recorder: J. Kolb (Signature Required)

SOURCE CODE	Matrix: Oil	Matrix: Water	Matrix: Sediment	Matrix: Tissue	Matrix: Prsrvd (Y/N)	# CONTAINERS: Qt. Cubit	Gal. Cubit	1 Liter Poly	8 oz.	120 ml.	40 ml.	80 oz. Amber	Other	LAB NUMBER Yr.	Wk	Seq	STORET STATION NUMBER	SAMPLING DATE & TIME Yr	Mo	Dy	Time	TRAFFIC REPORT NUMBERS Org.	Inorg.	SAMPLER'S INITIALS	STATION DESCRIPTION: Shipment is not complete
25		X			Y			1				1		T4	12	0210		94	12	13				JTK	Analyze for PP Metal, BNA/PCP, Pest./PCB
25		X			Y			1				1		T4	12	0211		94	12	13				JTK	↓
25		X			Y			1				1		T4	12	0212		94	12	13				JTK	↓
10		X			Y			1				1		T4	12	0221		94	12	13				JTK	↓
23		X			Y			2				2		T4	12	0217		94	12	13				JTK	Analyze for Pest./PCB, PP Metals (MS/MSD)
10		X			N							1		T4	12	0219		94	12	13				JTK	Analyze for BNA/PCP only
40			X		N				2					T4	12	0201		94	12	12				JTK	Analyze for PP Metals/BNA/PCP/Pest./PCB
40			X		N				2					T4	12	0207		94	12	12				JTK	↓

LAB NUMBER Yr.	Wk	Seq	DEPTH	Units	Type	COL MTD CD	QA CODE	TEMP DEG C	pH	CNDCTVTY umho/cm	COMPOSITE ONLY: ENDING DATE Mo.	Day	Time	Type	Freq

Condition of Samples upon Receipt at Lab:
Custody Seals Intact: ☐ yes ☐ no ☐ none

CHAIN OF CUSTODY RECORD

Relinquished by: (signature)	Received by: (signature)	Date/Time
Anne Saxton	Sam Hanson SAS	12/16 10:54
Relinquished by: (signature)	Received by: (signature)	Date/Time
Relinquished by: (signature)	Received by: (signature)	Date/Time
Relinquished by: (signature)	Received by Mobile Lab For Field Analysis: (signature)	Date/Time
Dispatched by: (signature) Date/Time	Received for Lab by: (Signature) Bill Nguyen	Date/Time 12/16/94 1:00

Method of Shipment

Laboratory Copy White Project Officer Copy Yellow Field or Office Copy Pink

CHAIN OF CUSTODY

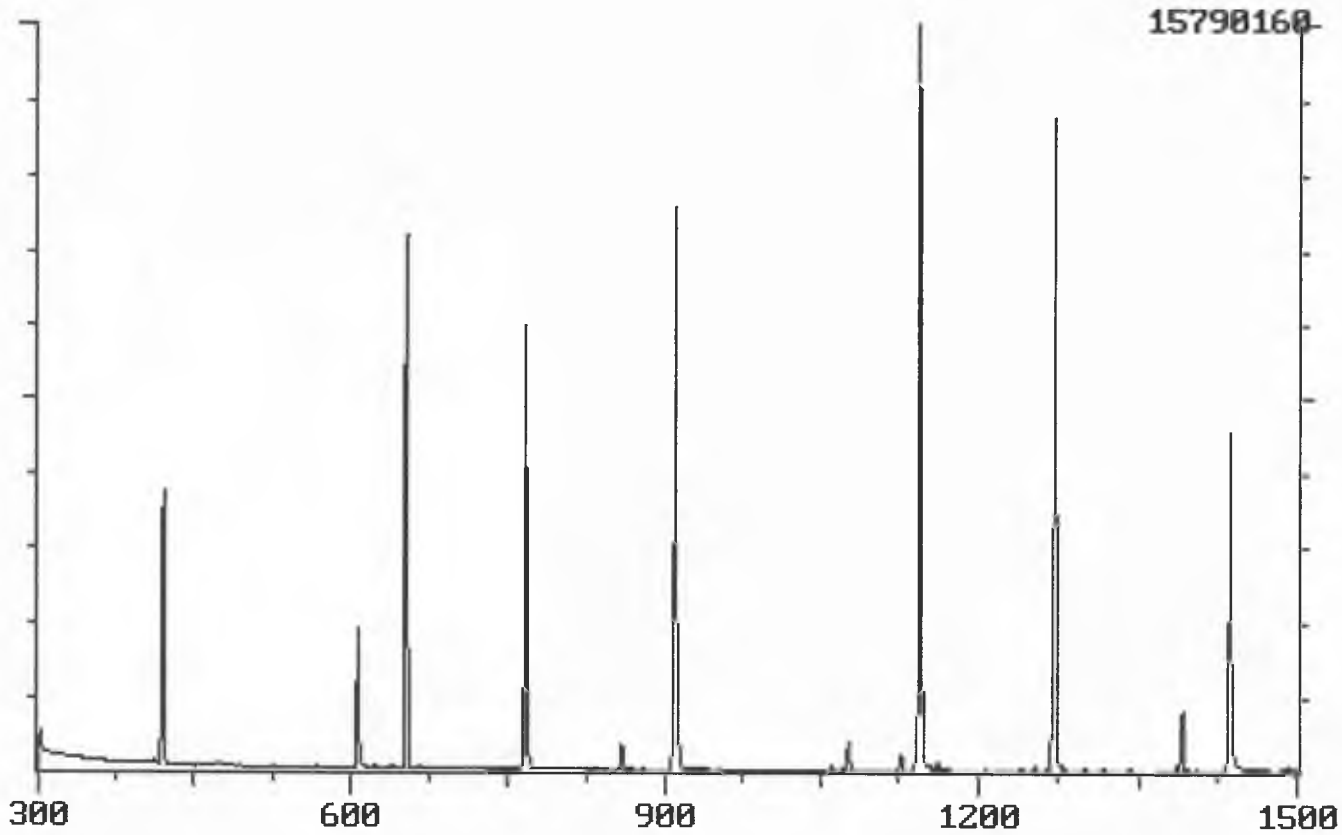
SEMIVOLATILE DATA PACKAGE

SAMPLE DATA

SAMPLE CHROMATOGRAM

DATAFILE : P10795
SAMPLE : 45227-1 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/22/94 04:58



PAGE 1

SAMPLE CHROMATOGRAM

DATAFILE : P10795
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LABORATORY : Sound Analytical Services
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ANALYSIS : Method 8270

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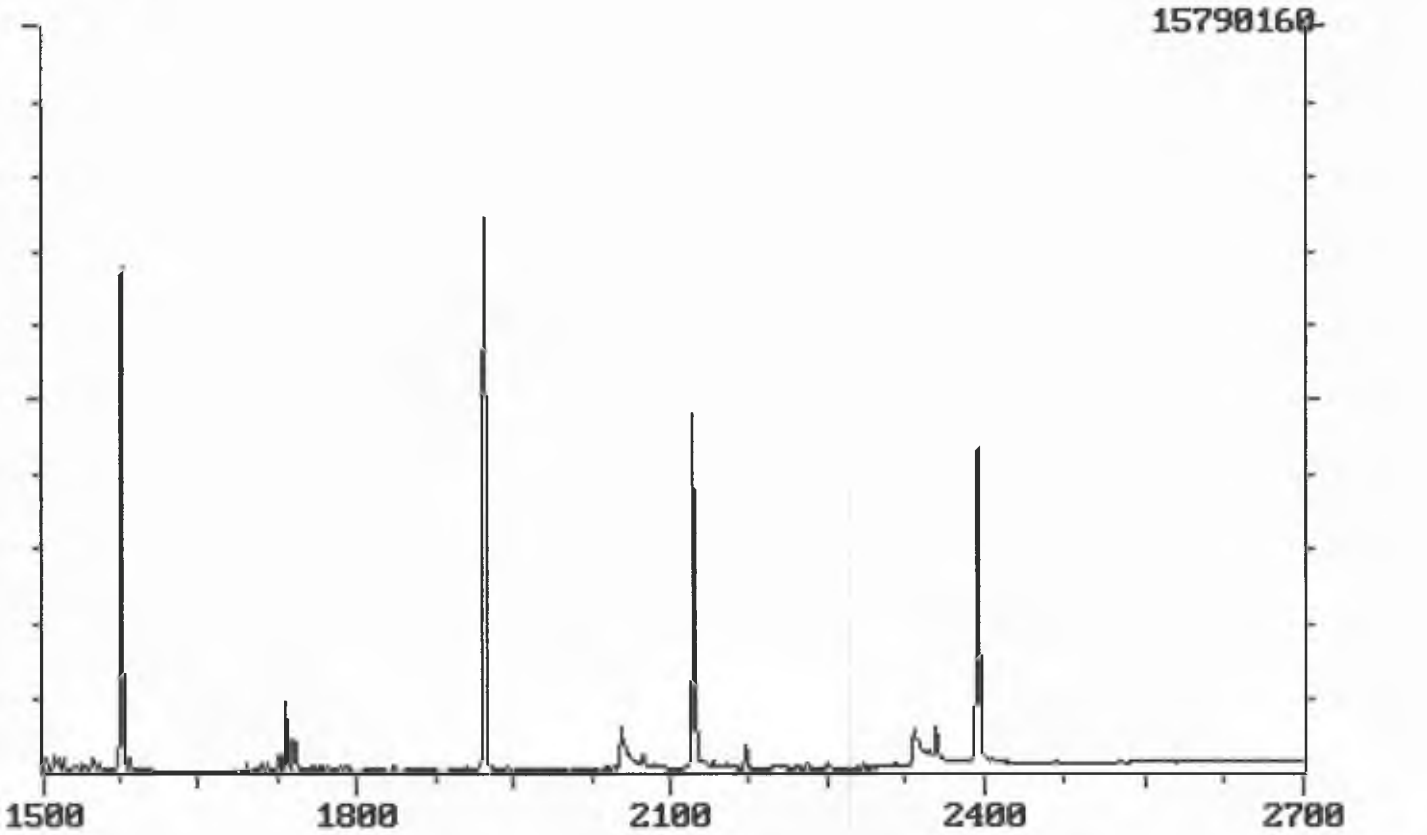

PAGE 2

SAMPLE QUANTITATION REPORT

DATAFILE : P10795 ANALYSIS DATE : 12/22/94 04:58
SAMPLE : 45227-1 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area / RT
d4-1,4-diClbenzene (IS)	6.53	4.000	NG/UL	4785038	4004999 6.54
d8-naphthalene (IS)	9.10	4.000	NG/UL	14218952	12582491 9.11
d8-acenaphthene (IS)	12.72	4.000	NG/UL	9561300	7909801 12.73
d10-phenanthrene (IS)	15.77	4.000	NG/UL	11803770	11609251 15.77
d12-chrysene (IS)	21.23	4.000	NG/UL	7804239	6991606 21.24
d12-perylene (IS)	23.95	4.000	NG/UL	8233118	7448922 23.95
d5-nitrobenzene (SS)	7.68	5.882	NG/UL	4180588	
2-fluorobiphenyl (SS)	11.45	5.718	NG/UL	14608473	
d14-terphenyl (SS)	19.23	7.166	NG/UL	11320779	
d5-phenol (SS)	6.06	2.497	NG/UL	2296164	
2-fluorophenol (SS)	4.21	4.729	NG/UL	3727085	
2,4,6-tribromophenol (!	14.37	6.268	NG/UL	2464169	
*^ phenol				ND	
bis-(2-chloroethyl)ether				ND	
^ 2-chlorophenol				ND	
1,3-dichlorobenzene				ND	
^ 1,4-dichlorobenzene				ND	
benzyl alcohol				ND	
1,2-dichlorobenzene				ND	
2-methylphenol				ND	
bis-(2-chloroisopropyl)eth				ND	
4-methylphenol				ND	
**^ n-nitroso-di-n-propylamine				ND	
hexachloroethane				ND	
nitrobenzene				ND	
isophorone				ND	
2-nitrophenol				ND	
2,4-dimethylphenol				ND	
benzoic acid				ND	
bis-(2-chloroethoxy)ether				ND	
* 2,4-dichlorophenol				ND	

SAMPLE QUANTITATION REPORT

DATAFILE : P10795 ANALYSIS DATE : 12/22/94 04:58
SAMPLE : 45227-1 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

	Compound name	RT	Concentration		Area	CCSTD Area / RT
^	1,2,4-trichlorobenzene			ND		
	naphthalene	9.14	0.163 NG/UL		567770	
	4-chloroaniline			ND		
*	hexachlorobutadiene			ND		
^	4-chloro-3-methylphenol			ND		
	2-methylnaphthalene			ND		
**	hexachlorocyclopentadiene			ND		
*	2,4,6-trichlorophenol			ND		
	2,4,5-trichlorophenol			ND		
	2-chloronaphthalene			ND		
	2-nitroaniline			ND		
	dimethyl phthalate			ND		
	acenaphthylene			ND		
	2,6-dinitrotoluene			ND		
	3-nitroaniline			ND		
* ^	acenaphthene			ND		
**	2,4-dinitrophenol			ND		
**^	4-nitrophenol			ND		
	dibenzofuran			ND		
^	2,4-dinitrotoluene			ND		
	diethylphthalate			ND		
	4-chlorophenyl-phenyl-ethe			ND		
	fluorene			ND		
	4-nitroaniline			ND		
	4,6-dinitro-2-methylphenol			ND		
*	n-nitrosodiphenylamine			ND		
	4-bromophenyl-phenyl-ether			ND		
	hexachlorobenzene			ND		
*^	pentachlorophenol			ND		
	phenanthrene			ND		
	anthracene			ND		

SAMPLE QUANTITATION REPORT

DATAFILE : P10795 ANALYSIS DATE : 12/22/94 04:58
SAMPLE : 45227-1 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

	Compound name	RT	Concentration		Area	CCSTD Area / RT
	di-n-butylphthalate	17.34	0.483	NG/UL	1895862	
*	fluoranthene			ND		
^	pyrene			ND		
	butylbenzylphthalate			ND		
	3,3'-dichlorobenzidine			ND		
	benzo(a)anthracene			ND		
	chrysene			ND		
	bis-(2-ethylhexyl)phth	21.72	0.151	NG/UL	463198	
*	di-n-octylphthalate			ND		
	benzo(b)fluoranthene			ND		
	benzo(k)fluoranthene			ND		
*	benzo(a)pyrene			ND		
	indeno(1,2,3-cd)pyrene			ND		
	dibenzo(a,h)anthracene			ND		
	benzo(g,h,i)perylene			ND		

SAMPLE QUANTITATION REPORT

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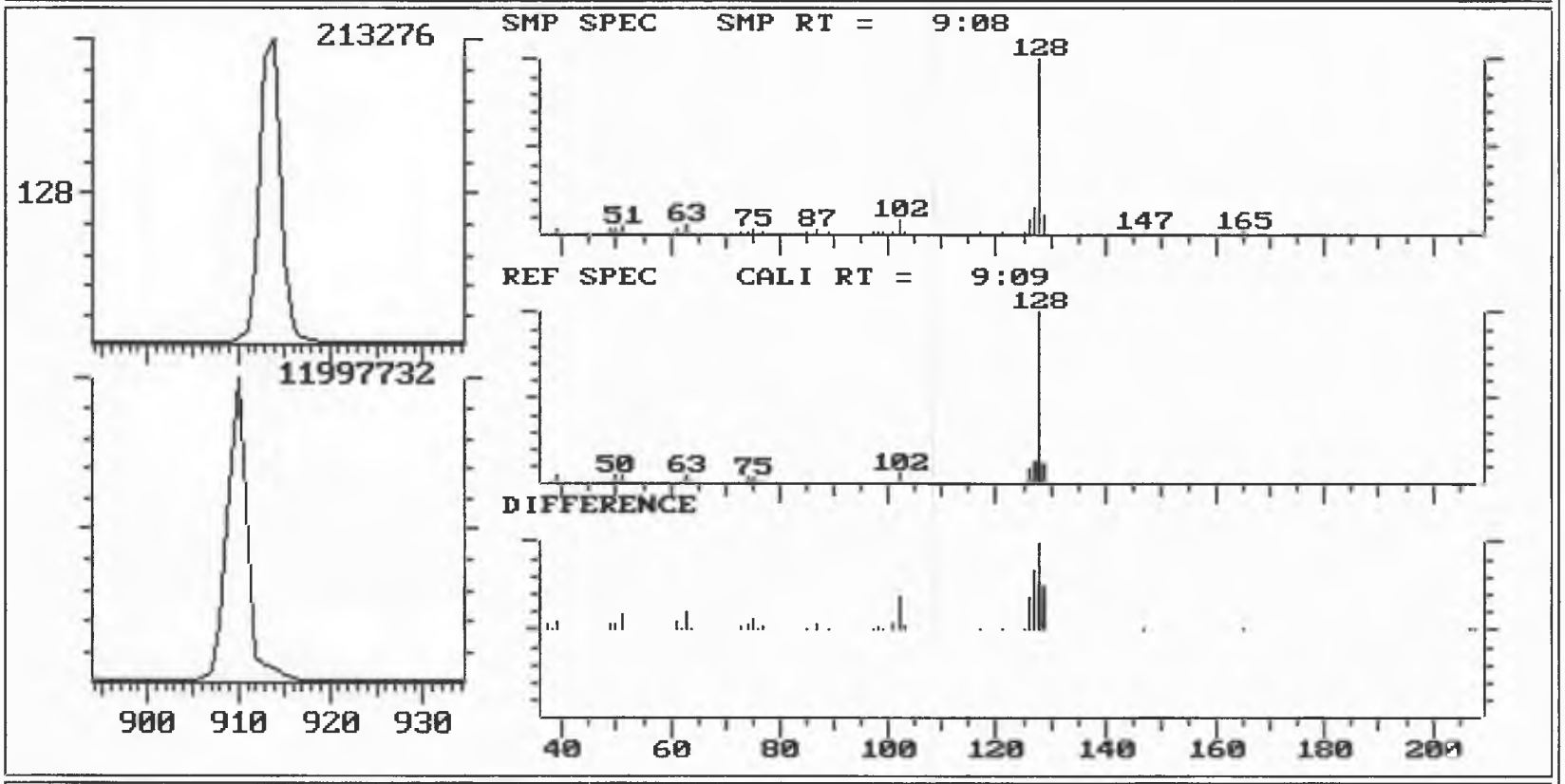
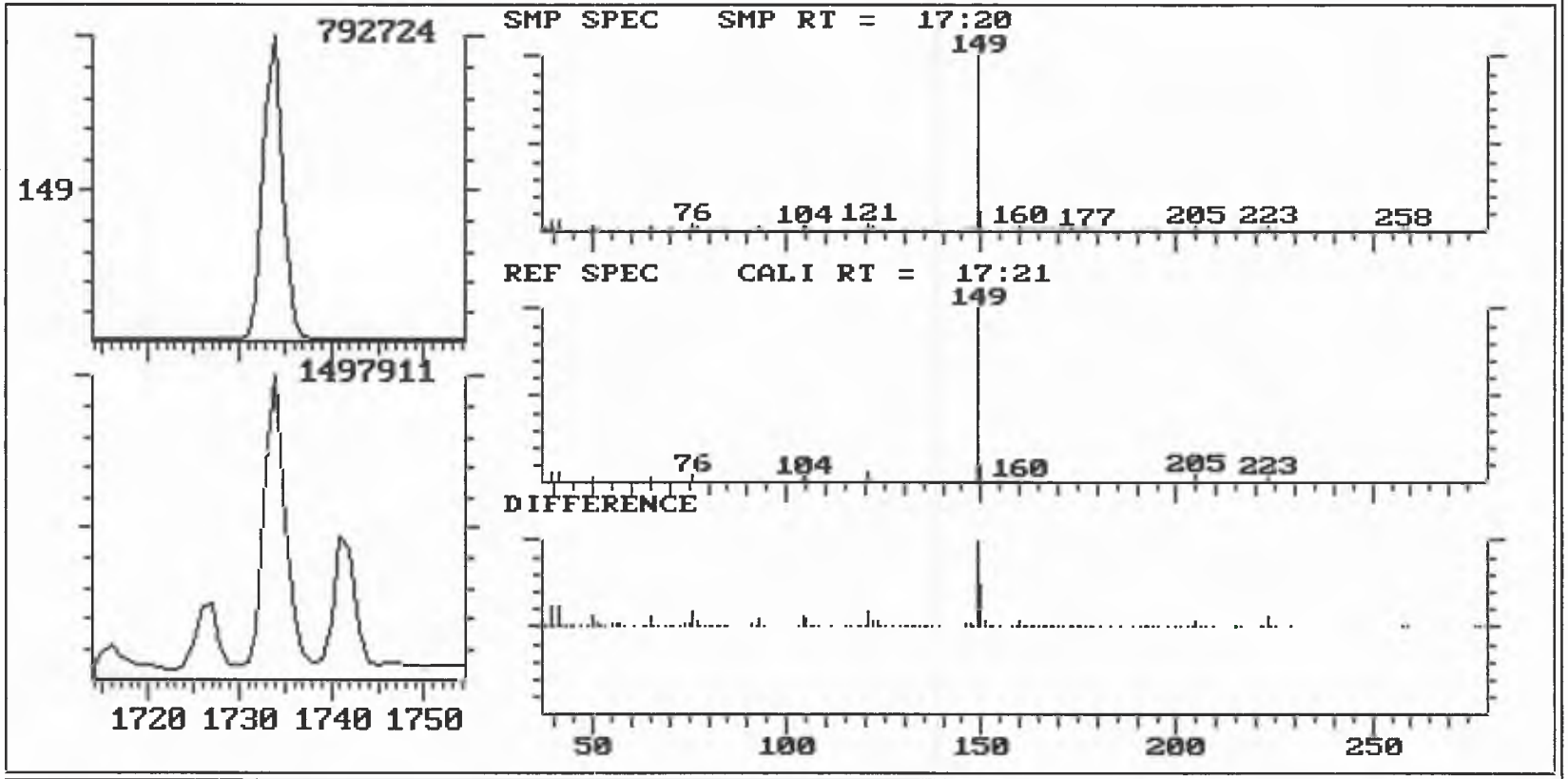
SAMPLE : 45227-1 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



COMPOUND : naphthalene
AMOUNT : 0.163 NG/UL
FIT S/N : 999

SAMPLE QUANTITATION REPORT

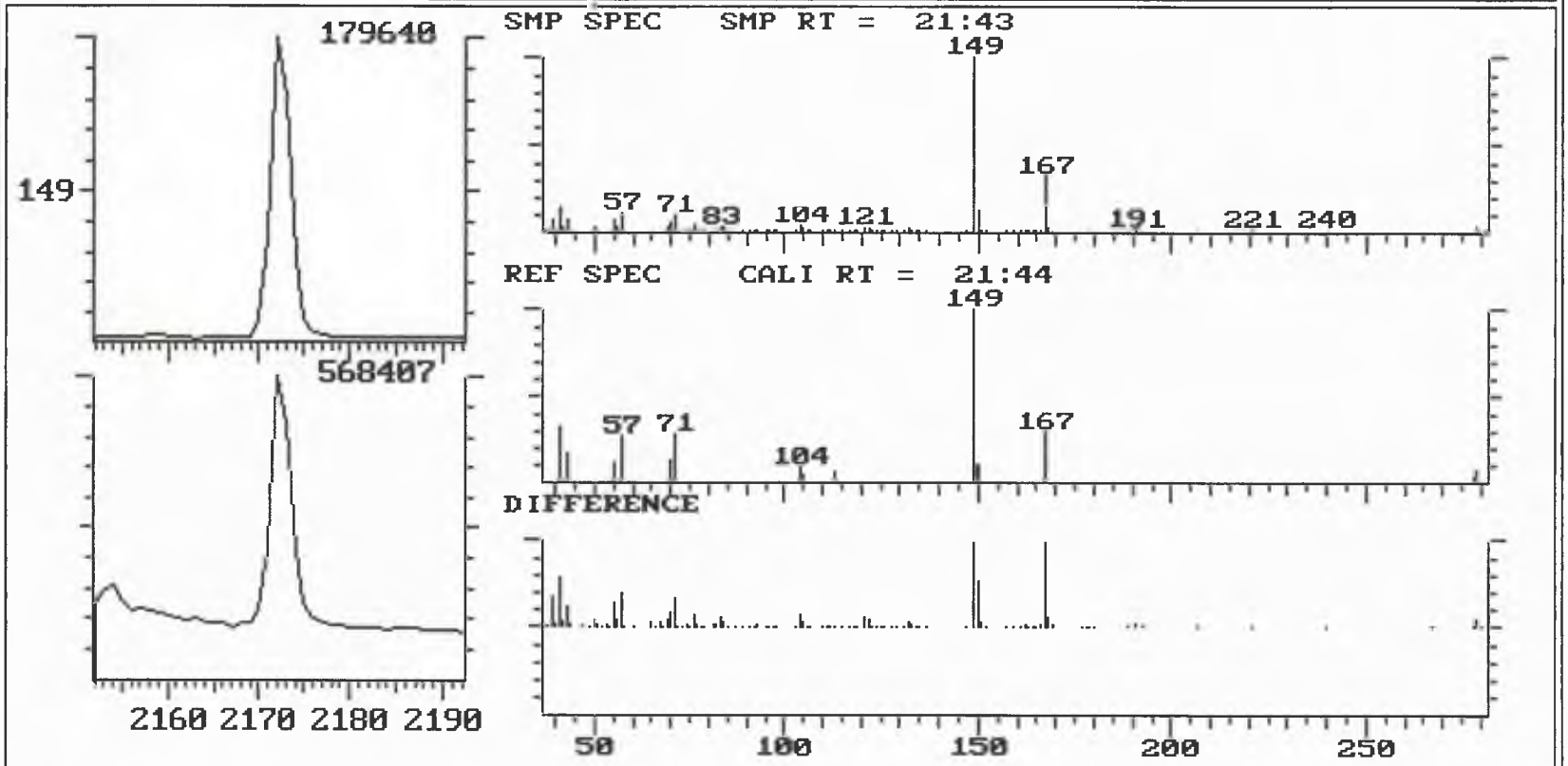
DATAFILE : P10795 ANALYSIS DATE : 12/22/94 04:58
SAMPLE : 45227-1 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



COMPOUND : di-n-butylphthalate
AMOUNT : 0.483 NG/UL
FIT S/N : 1000

SAMPLE QUANTITATION REPORT

DATAFILE : P10795 ANALYSIS DATE : 12/22/94 04:58
SAMPLE : 45227-1 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

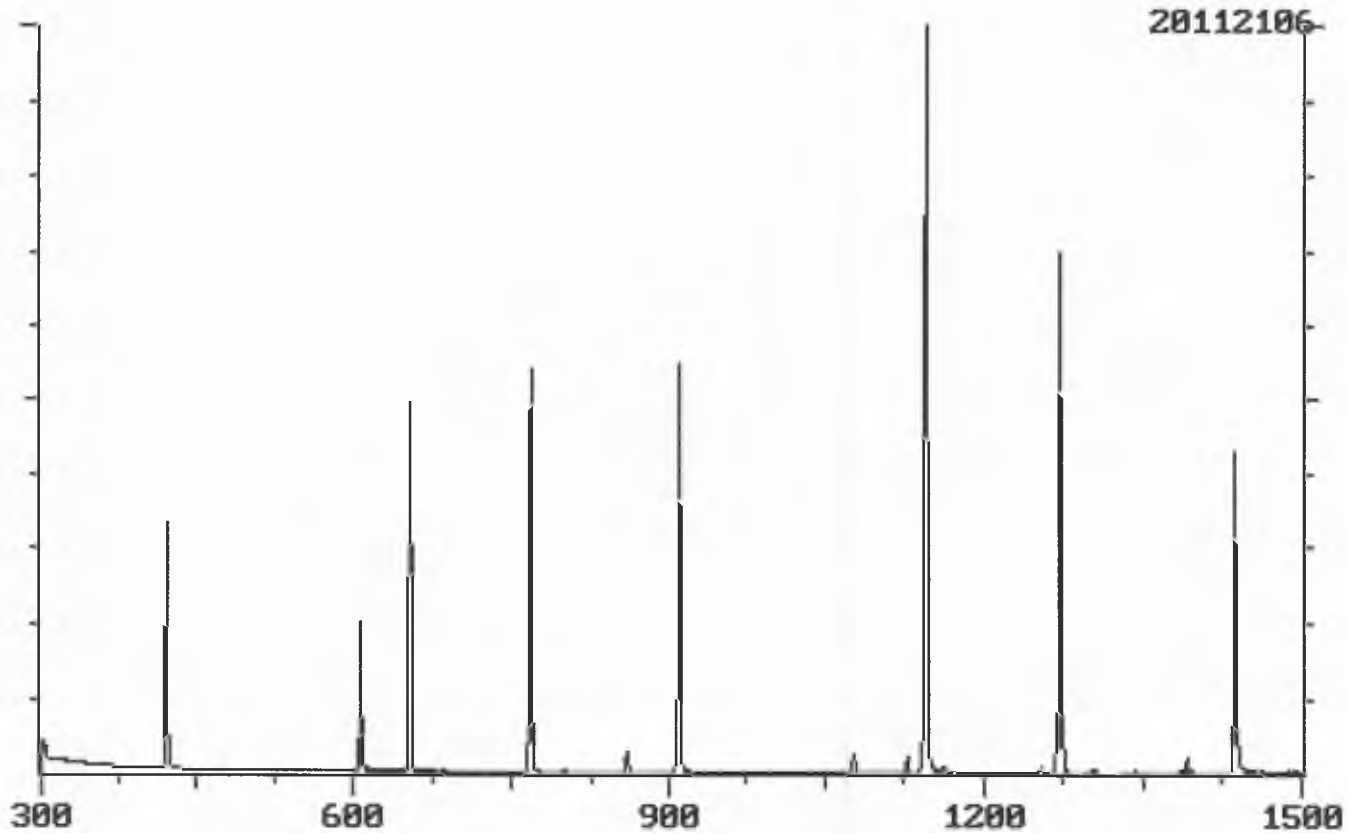


COMPOUND : bis-(2-ethylhexyl)ph
AMOUNT : 0.151 NG/UL
FIT S/N : 961

SAMPLE CHROMATOGRAM

DATAFILE : P10796
SAMPLE : 45227-2 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

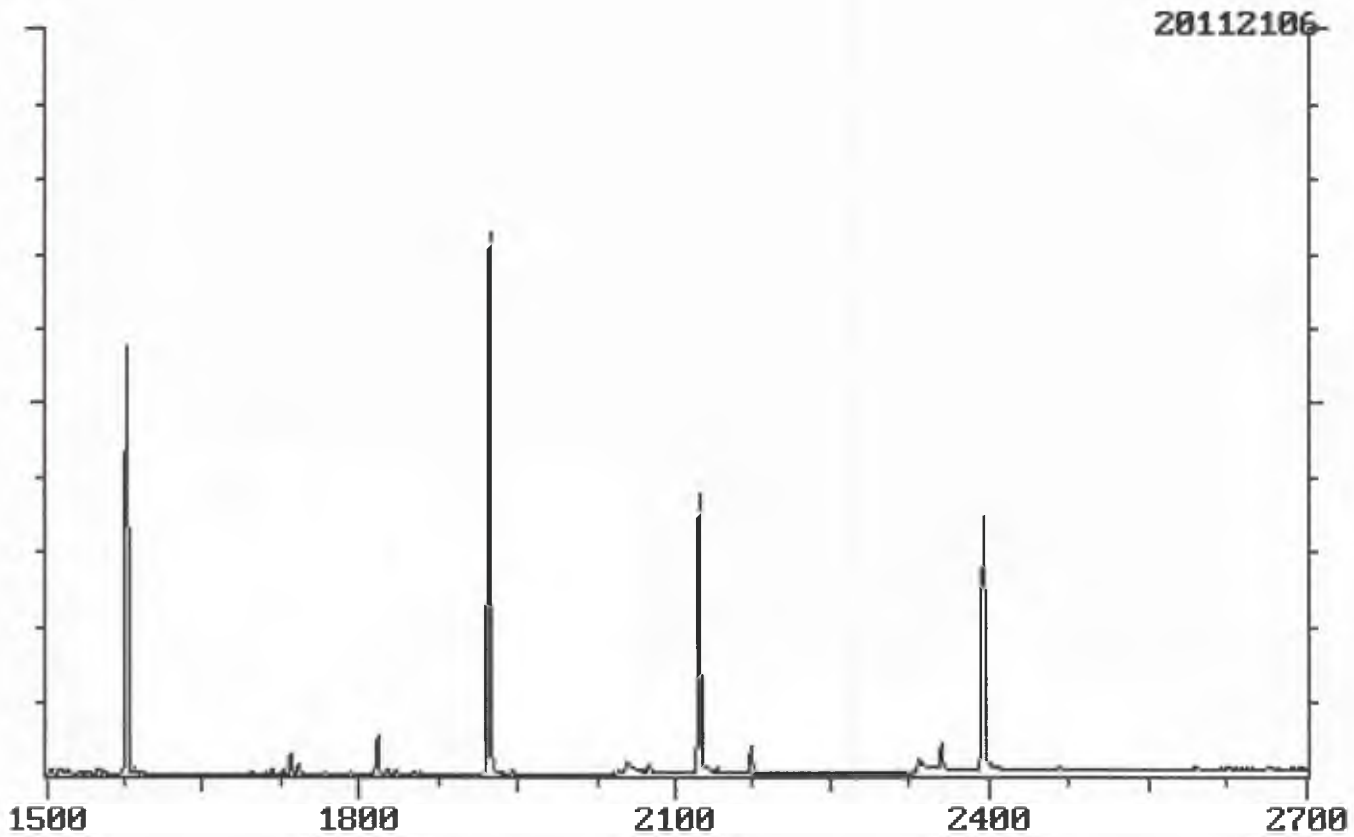
ANALYSIS DATE : 12/22/94 05:35



SAMPLE CHROMATOGRAM

DATAFILE : P10796
SAMPLE : 45227-2 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/22/94 05:35



SAMPLE QUANTITATION REPORT

DATAFILE : P10796 ANALYSIS DATE : 12/22/94 05:35
SAMPLE : 45227-2 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area / RT
d4-1,4-diClbenzene (IS)	6.54	4.000	NG/UL	4826519	4004999 6.54
d8-naphthalene (IS)	9.11	4.000	NG/UL	14355674	12582491 9.11
d8-acenaphthene (IS)	12.73	4.000	NG/UL	9057943	7909801 12.73
d10-phenanthrene (IS)	15.77	4.000	NG/UL	12698547	11609251 15.77
d12-chrysene (IS)	21.24	4.000	NG/UL	8212504	6991606 21.24
d12-perylene (IS)	23.95	4.000	NG/UL	8329447	7448922 23.95
d5-nitrobenzene (SS)	7.69	6.523	NG/UL	4680882	
2-fluorobiphenyl (SS)	11.46	7.933	NG/UL	19200190	
d14-terphenyl (SS)	19.24	8.607	NG/UL	14307495	
d5-phenol (SS)	6.07	2.873	NG/UL	2665032	
2-fluorophenol (SS)	4.22	5.800	NG/UL	4611353	
2,4,6-tribromophenol (S	14.38	8.367	NG/UL	3116226	
*^ phenol				ND	
bis-(2-chloroethyl)ether				ND	
^ 2-chlorophenol				ND	
1,3-dichlorobenzene				ND	
^ 1,4-dichlorobenzene				ND	
benzyl alcohol				ND	
1,2-dichlorobenzene				ND	
2-methylphenol				ND	
bis-(2-chloroisopropyl)eth				ND	
4-methylphenol				ND	
**^ n-nitroso-di-n-propylamine				ND	
hexachloroethane				ND	
nitrobenzene				ND	
isophorone				ND	
2-nitrophenol				ND	
2,4-dimethylphenol				ND	
benzoic acid				ND	
bis-(2-chloroethoxy)ether				ND	
* 2,4-dichlorophenol				ND	

SAMPLE QUANTITATION REPORT

DATAFILE : P10796 ANALYSIS DATE : 12/22/94 05:35
SAMPLE : 45227-2 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

	Compound name	RT	Concentration		Area	CCSTD Area / RT
^	1,2,4-trichlorobenzene			ND		
	naphthalene			ND		
	4-chloroaniline			ND		
*	hexachlorobutadiene			ND		
^	4-chloro-3-methylphenol			ND		
	2-methylnaphthalene			ND		
**	hexachlorocyclopentadiene			ND		
*	2,4,6-trichlorophenol			ND		
	2,4,5-trichlorophenol			ND		
	2-chloronaphthalene			ND		
	2-nitroaniline			ND		
	dimethyl phthalate			ND		
	acenaphthylene			ND		
	2,6-dinitrotoluene	12.54	0.106 NG/UL		74093	
	3-nitroaniline			ND		
* ^	acenaphthene			ND		
**	2,4-dinitrophenol			ND		
**^	4-nitrophenol			ND		
	dibenzofuran			ND		
^	2,4-dinitrotoluene			ND		
	diethylphthalate			ND		
	4-chlorophenyl-phenyl-ethe			ND		
	fluorene			ND		
	4-nitroaniline			ND		
	4,6-dinitro-2-methylphenol			ND		
*	n-nitrosodiphenylamine			ND		
	4-bromophenyl-phenyl-ether			ND		
	hexachlorobenzene			ND		
*^	pentachlorophenol			ND		
	phenanthrene			ND		
	anthracene			ND		

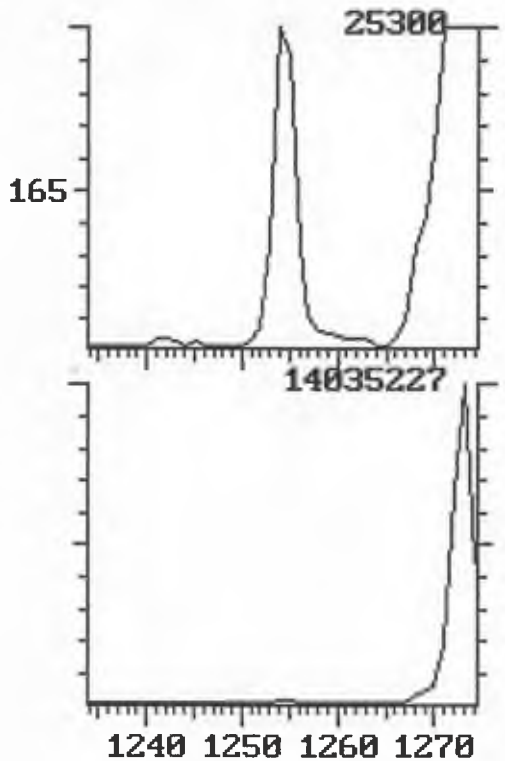
SAMPLE QUANTITATION REPORT

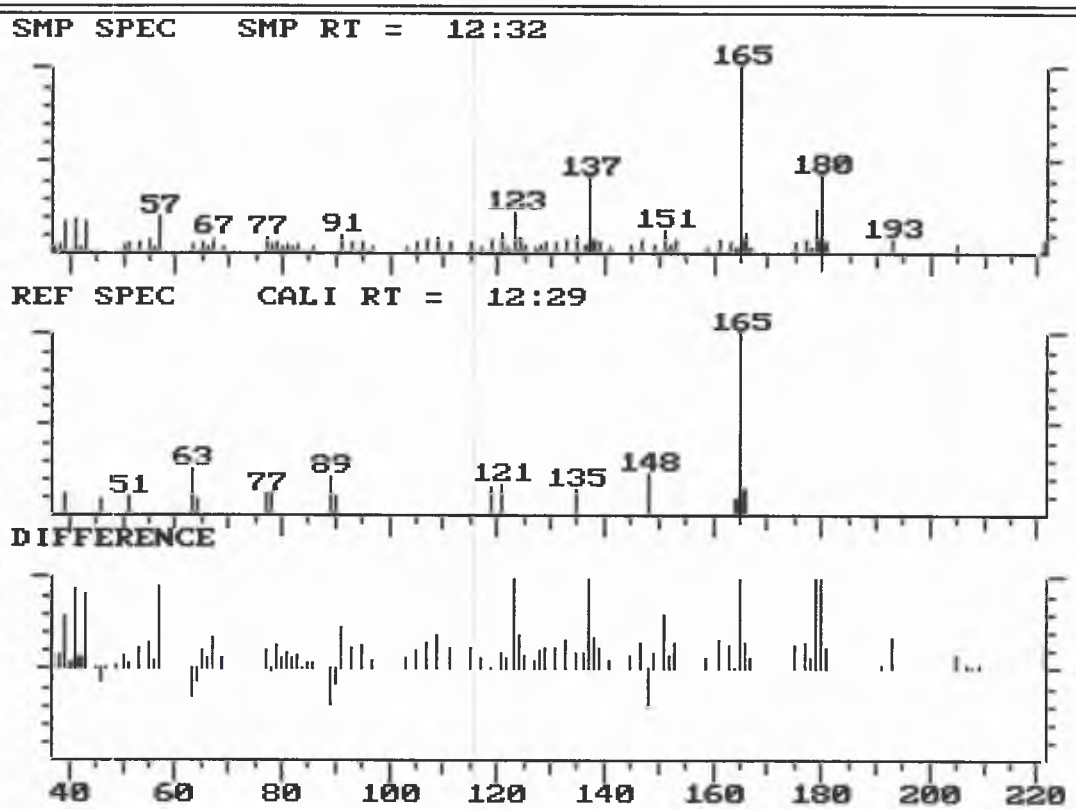
DATAFILE : P10796 ANALYSIS DATE : 12/22/94 05:35
SAMPLE : 45227-2 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

	Compound name	RT	Concentration		Area	CCSTD Area / RT
	di-n-butylphthalate	17.34	0.191	NG/UL	806389	
*	fluoranthene			ND		
^	pyrene			ND		
	butylbenzylphthalate			ND		
	3,3'-dichlorobenzidine			ND		
	benzo(a)anthracene			ND		
	chrysene			ND		
	bis-(2-ethylhexyl)phth	21.73	0.214	NG/UL	689677	
*	di-n-octylphthalate			ND		
	benzo(b)fluoranthene			ND		
	benzo(k)fluoranthene			ND		
*	benzo(a)pyrene			ND		
	indeno(1,2,3-cd)pyrene			ND		
	dibenzo(a,h)anthracene			ND		
	benzo(g,h,i)perylene			ND		

SAMPLE QUANTITATION REPORT

DATAFILE : P10796 ANALYSIS DATE : 12/22/94 05:35
SAMPLE : 45227-2 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

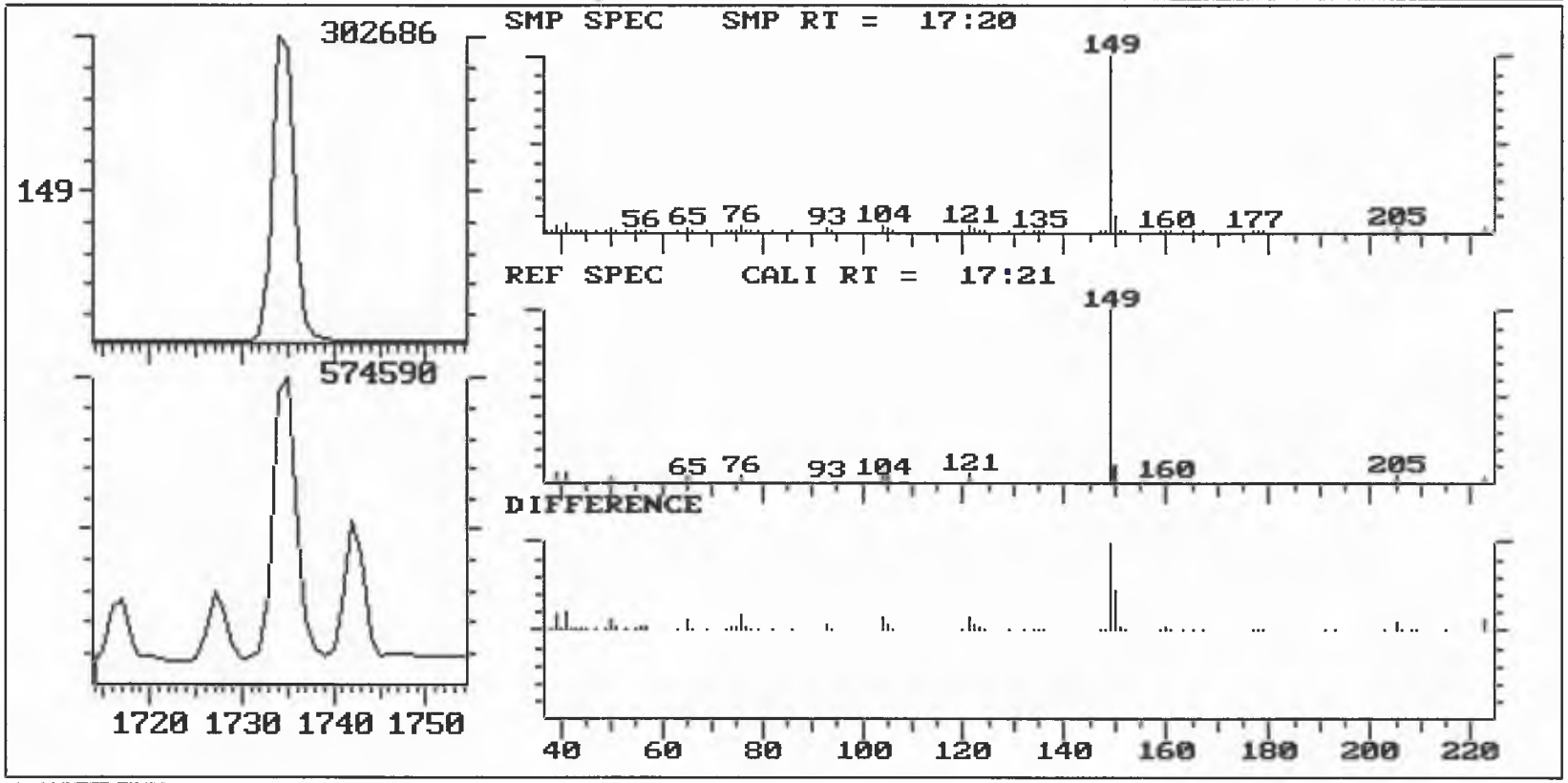




COMPOUND : 2,6-dinitrotoluene
AMOUNT : 0.106 NG/UL
FIT S/N : 950

SAMPLE QUANTITATION REPORT

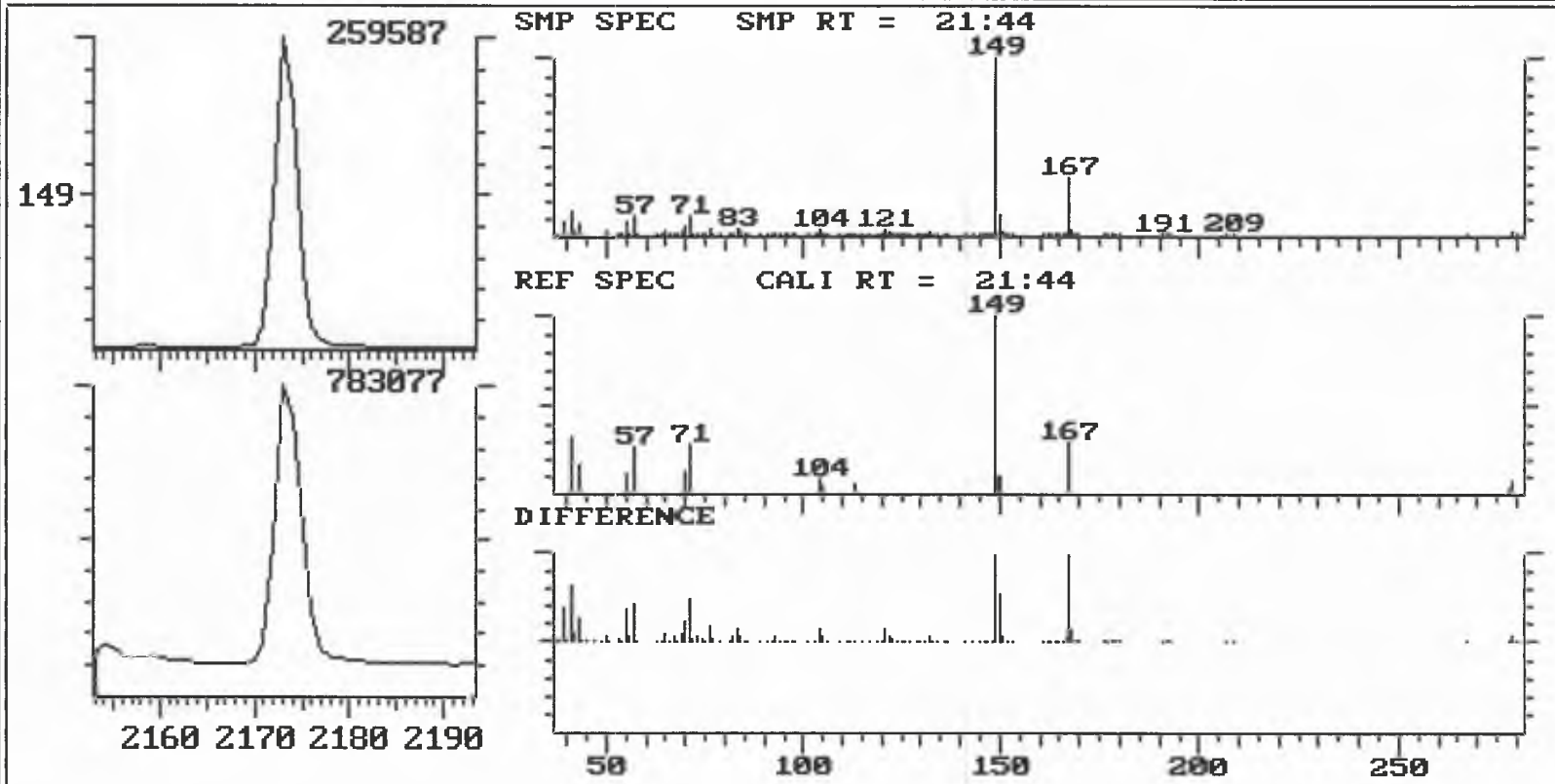
DATAFILE : P10796 ANALYSIS DATE : 12/22/94 05:35
SAMPLE : 45227-2 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



COMPOUND : di-n-butylphthalate
AMOUNT : 0.191 NG/UL
FIT S/N : 1000

SAMPLE QUANTITATION REPORT

DATAFILE : P10796 ANALYSIS DATE : 12/22/94 05:35
SAMPLE : 45227-2 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

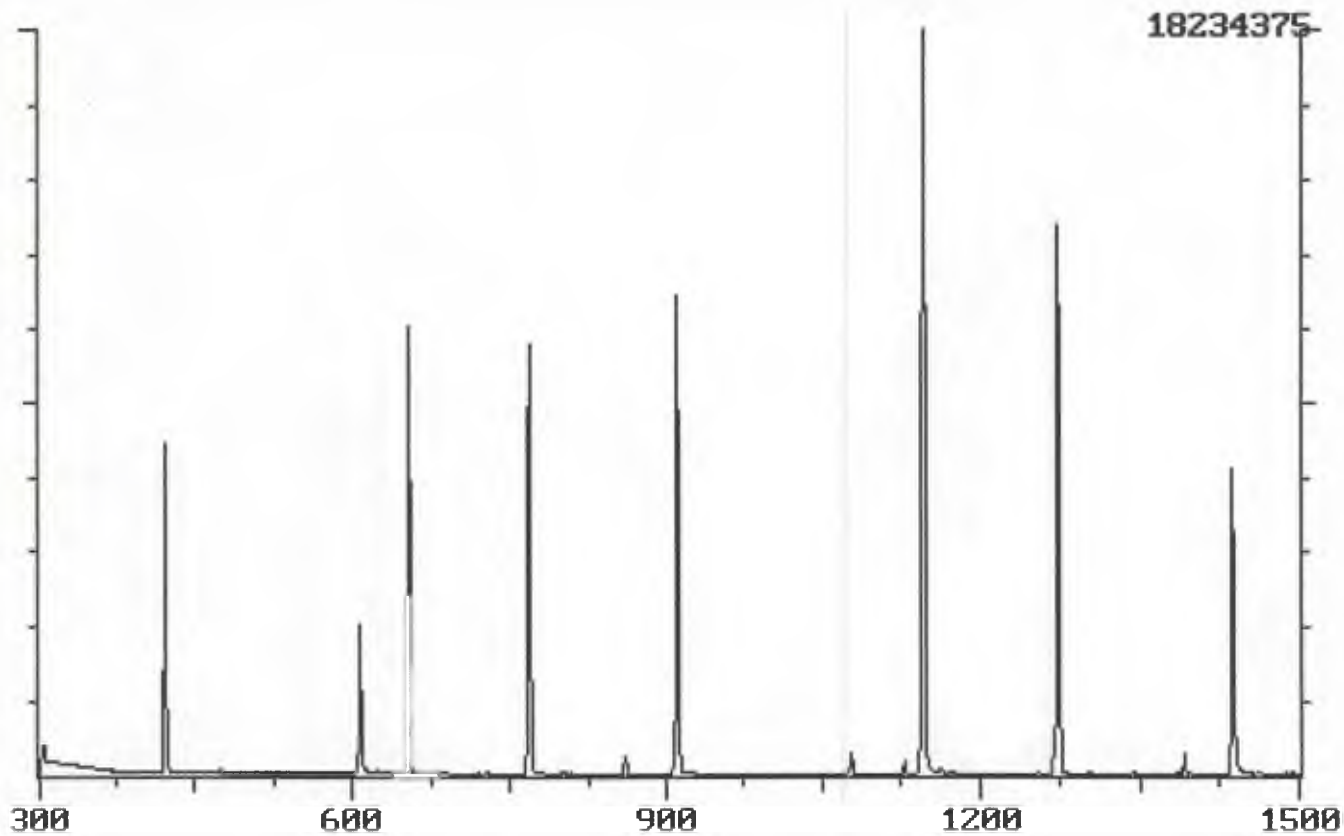


COMPOUND : bis-(2-ethylhexyl)ph
AMOUNT : 0.214 NG/UL
FIT S/N : 964

SAMPLE CHROMATOGRAM

DATAFILE : P10797
SAMPLE : 45227-3 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/22/94 06:12



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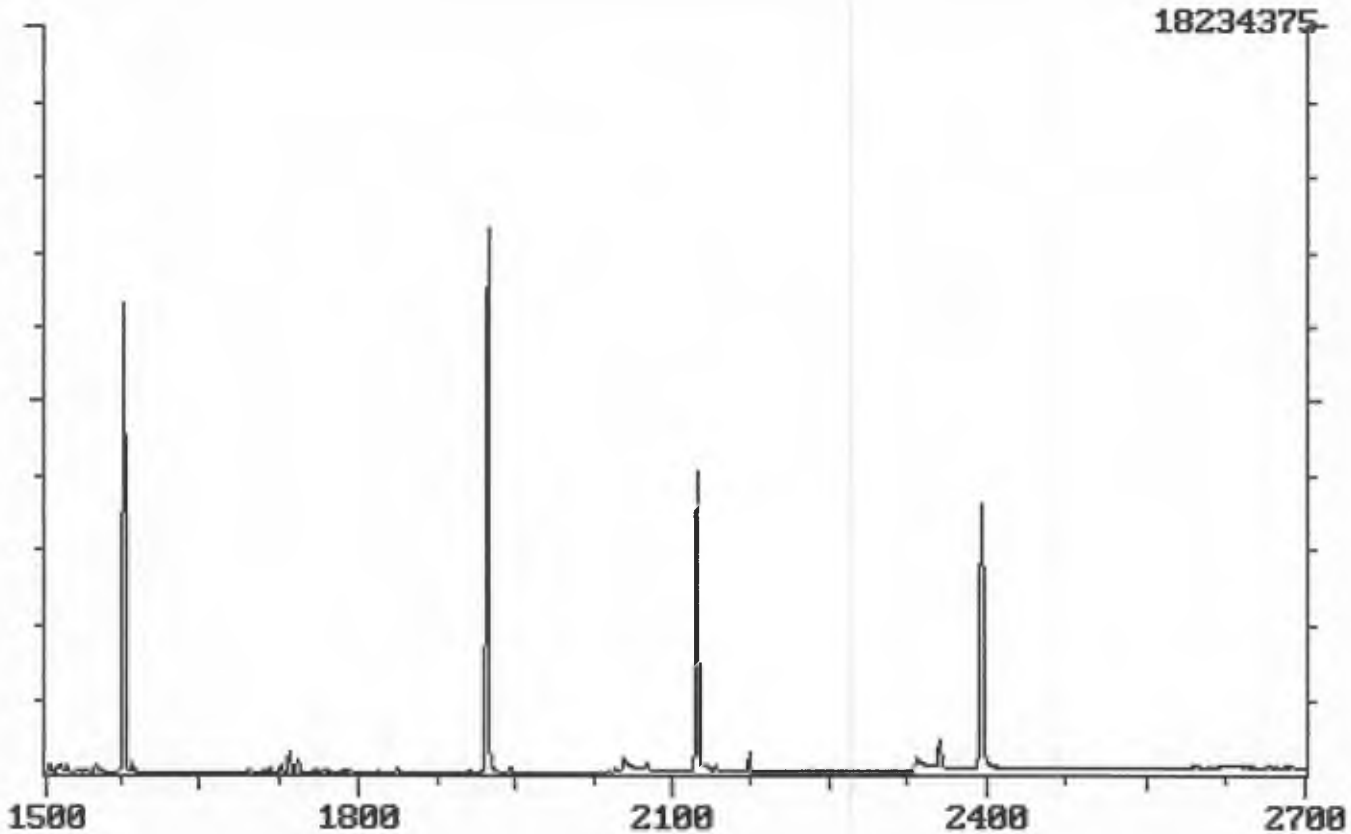
SAMPLE CHROMATOGRAM

DATAFILE : P10797
SAMPLE : 45227-3 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/22/94 06:12



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SAMPLE QUANTITATION REPORT

DATAFILE : P10797 ANALYSIS DATE : 12/22/94 06:12
SAMPLE : 45227-3 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area / RT	
d4-1,4-diClbenzene (IS)	6.54	4.000	NG/UL	5013537	4004999	6.54
d8-naphthalene (IS)	9.11	4.000	NG/UL	14452236	12582491	9.11
d8-acenaphthene (IS)	12.73	4.000	NG/UL	9246913	7909801	12.73
d10-phenanthrene (IS)	15.78	4.000	NG/UL	12027575	11609251	15.77
d12-chrysene (IS)	21.24	4.000	NG/UL	7282146	6991606	21.24
d12-perylene (IS)	23.96	4.000	NG/UL	7836241	7448922	23.95
d5-nitrobenzene (SS)	7.69	6.525	NG/UL	4713992		
2-fluorobiphenyl (SS)	11.47	7.262	NG/UL	17941754		
d14-terphenyl (SS)	19.24	7.717	NG/UL	11374399		
d5-phenol (SS)	6.07	2.930	NG/UL	2823761		
2-fluorophenol (SS)	4.22	5.619	NG/UL	4640424		
2,4,6-tribromophenol (S	14.38	7.078	NG/UL	2691057		
*^ phenol			ND			
bis-(2-chloroethyl)ether			ND			
^ 2-chlorophenol			ND			
1,3-dichlorobenzene			ND			
^ 1,4-dichlorobenzene			ND			
benzyl alcohol			ND			
1,2-dichlorobenzene			ND			
2-methylphenol			ND			
bis-(2-chloroisopropyl)eth			ND			
4-methylphenol			ND			
**^ n-nitroso-di-n-propylamine			ND			
hexachloroethane			ND			
nitrobenzene			ND			
isophorone			ND			
2-nitrophenol			ND			
2,4-dimethylphenol			ND			
benzoic acid			ND			
bis-(2-chloroethoxy)ether			ND			
* 2,4-dichlorophenol			ND			

SAMPLE QUANTITATION REPORT

DATAFILE : P10797 ANALYSIS DATE : 12/22/94 06:12
SAMPLE : 45227-3 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

	Compound name	RT	Concentration	Area	CCSTD Area / RT
^	1,2,4-trichlorobenzene		ND		
	naphthalene		ND		
	4-chloroaniline		ND		
*	hexachlorobutadiene		ND		
^	4-chloro-3-methylphenol		ND		
	2-methylnaphthalene		ND		
**	hexachlorocyclopentadiene		ND		
*	2,4,6-trichlorophenol		ND		
	2,4,5-trichlorophenol		ND		
	2-chloronaphthalene		ND		
	2-nitroaniline		ND		
	dimethyl phthalate		ND		
	acenaphthylene		ND		
	2,6-dinitrotoluene		ND		
	3-nitroaniline		ND		
* ^	acenaphthene		ND		
**	2,4-dinitrophenol		ND		
**^	4-nitrophenol		ND		
	dibenzofuran		ND		
^	2,4-dinitrotoluene		ND		
	diethylphthalate		ND		
	4-chlorophenyl-phenyl-ethe		ND		
	fluorene		ND		
	4-nitroaniline		ND		
	4,6-dinitro-2-methylphenol		ND		
*	n-nitrosodiphenylamine		ND		
	4-bromophenyl-phenyl-ether		ND		
	hexachlorobenzene		ND		
*^	pentachlorophenol		ND		
	phenanthrene		ND		
	anthracene		ND		

SAMPLE QUANTITATION REPORT

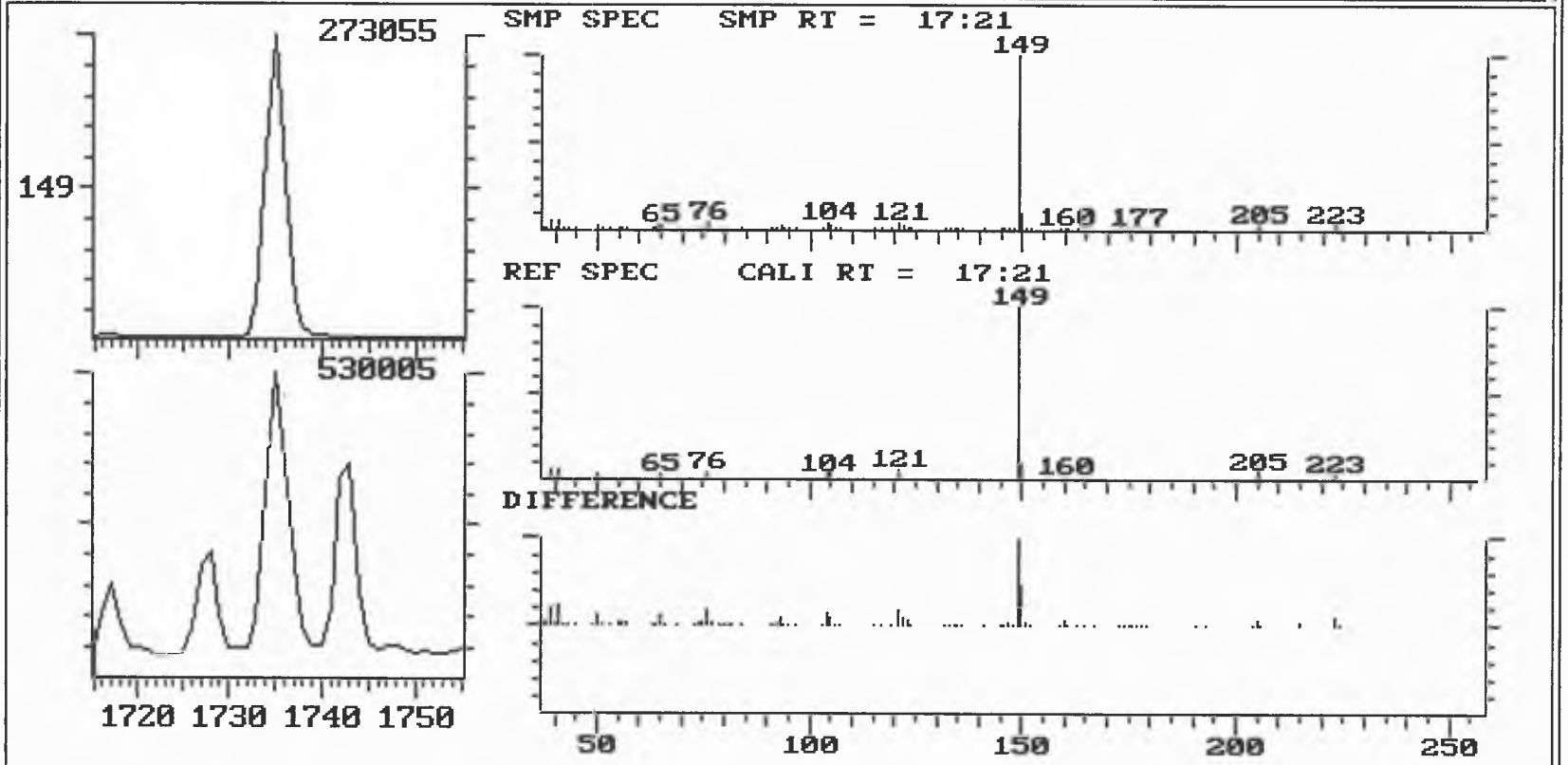
DATAFILE : P10797 ANALYSIS DATE : 12/22/94 06:12
SAMPLE : 45227-3 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

	Compound name	RT	Concentration		Area	CCSTD Area / RT
	di-n-butylphthalate	17.35	0.167	NG/UL	668466	
*	fluoranthene			ND		
^	pyrene			ND		
	butylbenzylphthalate			ND		
	3,3'-dichlorobenzidine			ND		
	benzo(a)anthracene			ND		
	chrysene			ND		
	bis-(2-ethylhexyl)phth	21.73	0.177	NG/UL	506032	
*	di-n-octylphthalate			ND		
	benzo(b)fluoranthene			ND		
	benzo(k)fluoranthene			ND		
*	benzo(a)pyrene			ND		
	indeno(1,2,3-cd)pyrene			ND		
	dibenzo(a,h)anthracene			ND		
	benzo(g,h,i)perylene			ND		

SAMPLE QUANTITATION REPORT

DATAFILE : P10797
SAMPLE : 45227-3 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

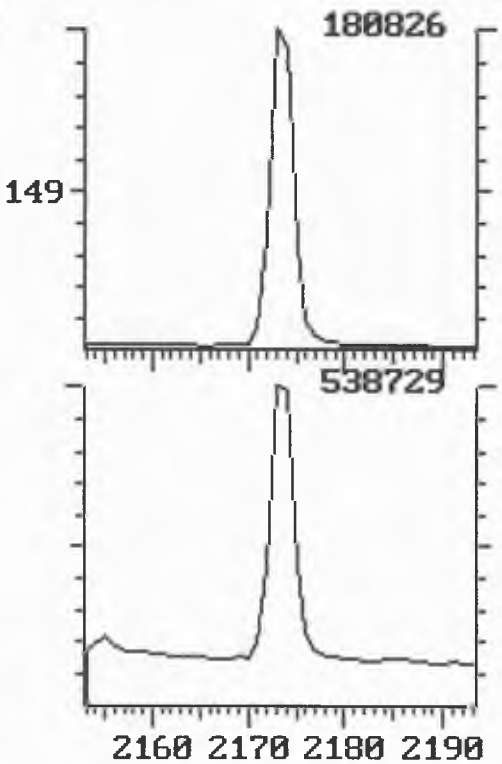
ANALYSIS DATE : 12/22/94 06:12

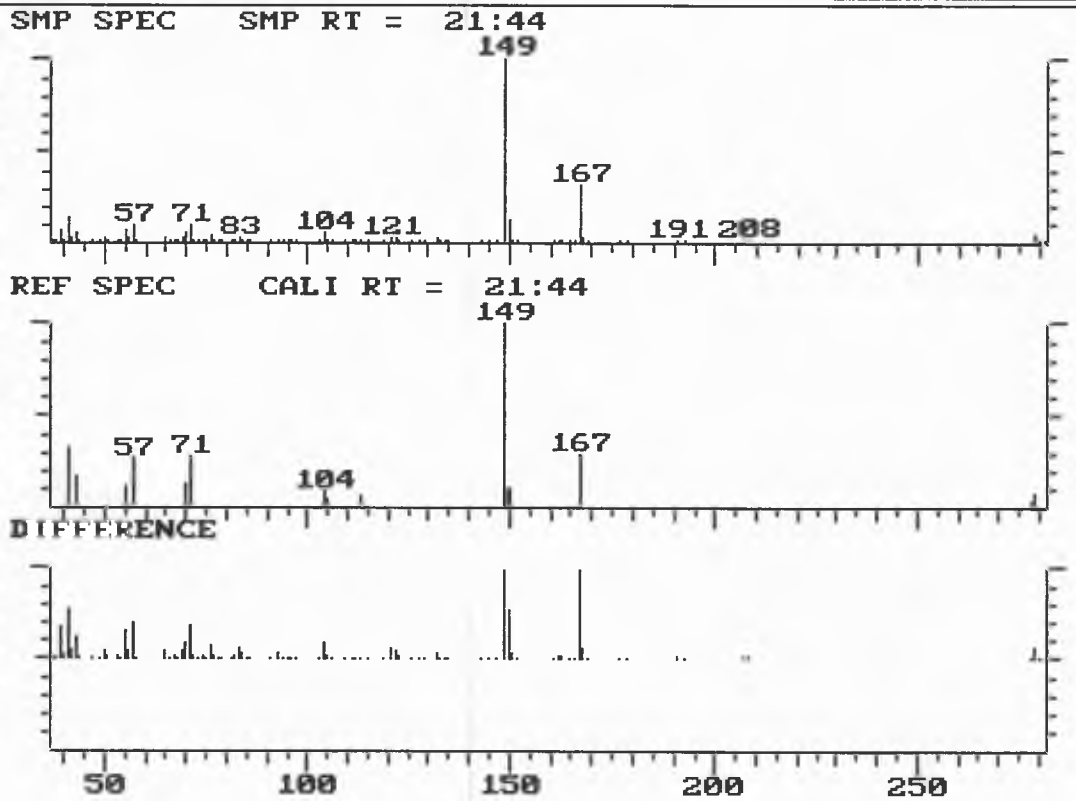


COMPOUND : di-n-butylphthalate
AMOUNT : 0.167 NG/UL
FIT S/N : 1000

SAMPLE QUANTITATION REPORT

DATAFILE : P10797 ANALYSIS DATE : 12/22/94 06:12
SAMPLE : 45227-3 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



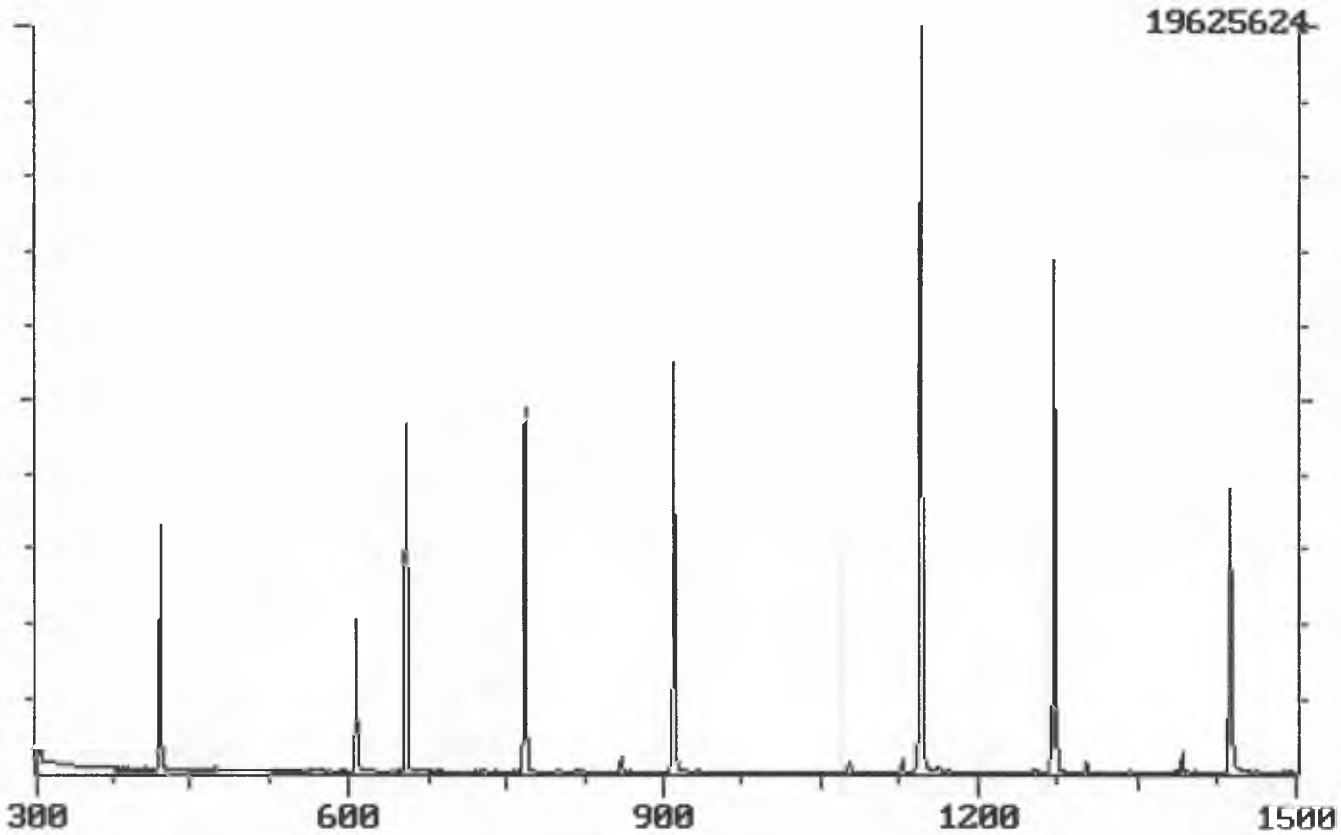


COMPOUND : bis-(2-ethylhexyl)ph
AMOUNT : 0.177 NG/UL
FIT S/N : 961

SAMPLE CHROMATOGRAM

DATAFILE : P10798
SAMPLE : 45227-4 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

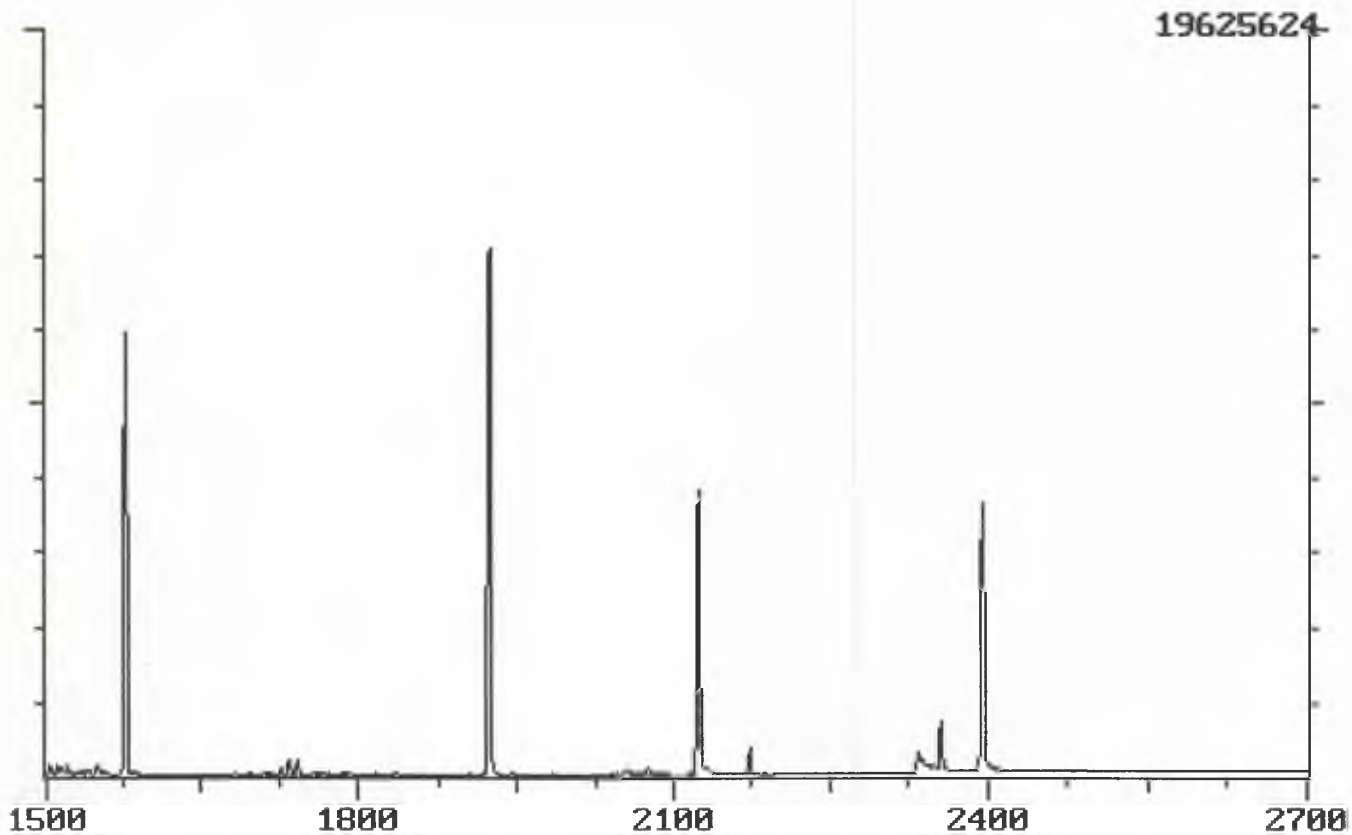
ANALYSIS DATE : 12/22/94 06:49



SAMPLE CHROMATOGRAM

DATAFILE : P10798
SAMPLE : 45227-4 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/22/94 06:49



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SAMPLE QUANTITATION REPORT

DATAFILE : P10798 ANALYSIS DATE : 12/22/94 06:49
SAMPLE : 45227-4 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area / RT
d4-1,4-diClbenzene (IS)	6.53	4.000	NG/UL	4699790	4004999 6.54
d8-naphthalene (IS)	9.11	4.000	NG/UL	14120395	12582491 9.11
d8-acenaphthene (IS)	12.73	4.000	NG/UL	9212058	7909801 12.73
d10-phenanthrene (IS)	15.77	4.000	NG/UL	12934273	11609251 15.77
d12-chrysene (IS)	21.24	4.000	NG/UL	8166213	6991606 21.24
d12-perylene (IS)	23.95	4.000	NG/UL	8660786	7448922 23.95
d5-nitrobenzene (SS)	7.69	6.218	NG/UL	4388824	
2-fluorobiphenyl (SS)	11.46	7.194	NG/UL	17706133	
d14-terphenyl (SS)	19.23	7.989	NG/UL	13205325	
d5-phenol (SS)	6.07	2.920	NG/UL	2638195	
2-fluorophenol (SS)	4.21	5.438	NG/UL	4209313	
2,4,6-tribromophenol (S	14.38	7.729	NG/UL	2927638	
*^ phenol				ND	
bis-(2-chloroethyl)ether				ND	
^ 2-chlorophenol				ND	
1,3-dichlorobenzene				ND	
^ 1,4-dichlorobenzene				ND	
benzyl alcohol				ND	
1,2-dichlorobenzene				ND	
2-methylphenol				ND	
bis-(2-chloroisopropyl)eth				ND	
4-methylphenol				ND	
**^ n-nitroso-di-n-propylamine				ND	
hexachloroethane				ND	
nitrobenzene				ND	
isophorone				ND	
2-nitrophenol				ND	
2,4-dimethylphenol				ND	
benzoic acid				ND	
bis-(2-chloroethoxy)ether				ND	
* 2,4-dichlorophenol				ND	

SAMPLE QUANTITATION REPORT

DATAFILE : P10798 ANALYSIS DATE : 12/22/94 06:49
SAMPLE : 45227-4 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area / RT
^ 1,2,4-trichlorobenzene			ND		
naphthalene			ND		
4-chloroaniline			ND		
* hexachlorobutadiene			ND		
^ 4-chloro-3-methylphenol			ND		
2-methylnaphthalene			ND		
** hexachlorocyclopentadiene			ND		
* 2,4,6-trichlorophenol			ND		
2,4,5-trichlorophenol			ND		
2-chloronaphthalene			ND		
2-nitroaniline			ND		
dimethyl phthalate			ND		
acenaphthylene			ND		
2,6-dinitrotoluene	12.54	0.061 NG/UL		42736	
3-nitroaniline			ND		
* ^ acenaphthene			ND		
** 2,4-dinitrophenol			ND		
**^ 4-nitrophenol			ND		
dibenzofuran			ND		
^ 2,4-dinitrotoluene			ND		
diethylphthalate			ND		
4-chlorophenyl-phenyl-ethe			ND		
fluorene			ND		
4-nitroaniline			ND		
4,6-dinitro-2-methylphenol			ND		
* n-nitrosodiphenylamine			ND		
4-bromophenyl-phenyl-ether			ND		
hexachlorobenzene			ND		
*^ pentachlorophenol			ND		
phenanthrene			ND		
anthracene			ND		

SAMPLE QUANTITATION REPORT

DATAFILE : P10798 ANALYSIS DATE : 12/22/94 06:49
SAMPLE : 45227-4 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

	Compound name	RT	Concentration		Area	CCSTD Area / RT
	di-n-butylphthalate	17.35	0.134	NG/UL	576932	
*	fluoranthene			ND		
^	pyrene			ND		
	butylbenzylphthalate			ND		
	3,3'-dichlorobenzidine			ND		
	benzo(a)anthracene			ND		
	chrysene			ND		
	bis-(2-ethylhexyl)phth	21.73	0.216	NG/UL	693478	
*	di-n-octylphthalate			ND		
	benzo(b)fluoranthene			ND		
	benzo(k)fluoranthene			ND		
*	benzo(a)pyrene			ND		
	indeno(1,2,3-cd)pyrene			ND		
	dibenzo(a,h)anthracene			ND		
	benzo(g,h,i)perylene			ND		

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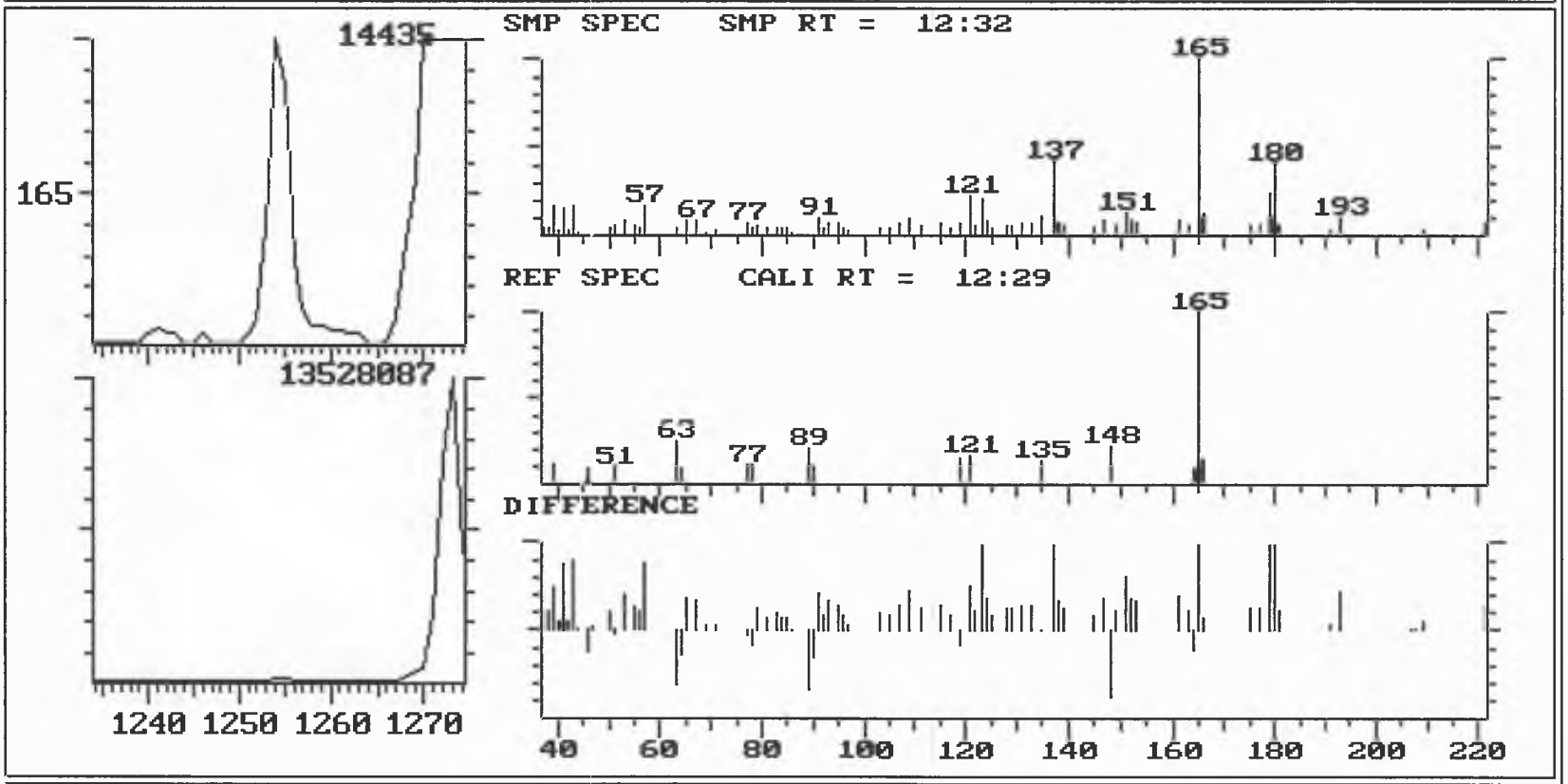
SAMPLE QUANTITATION REPORT

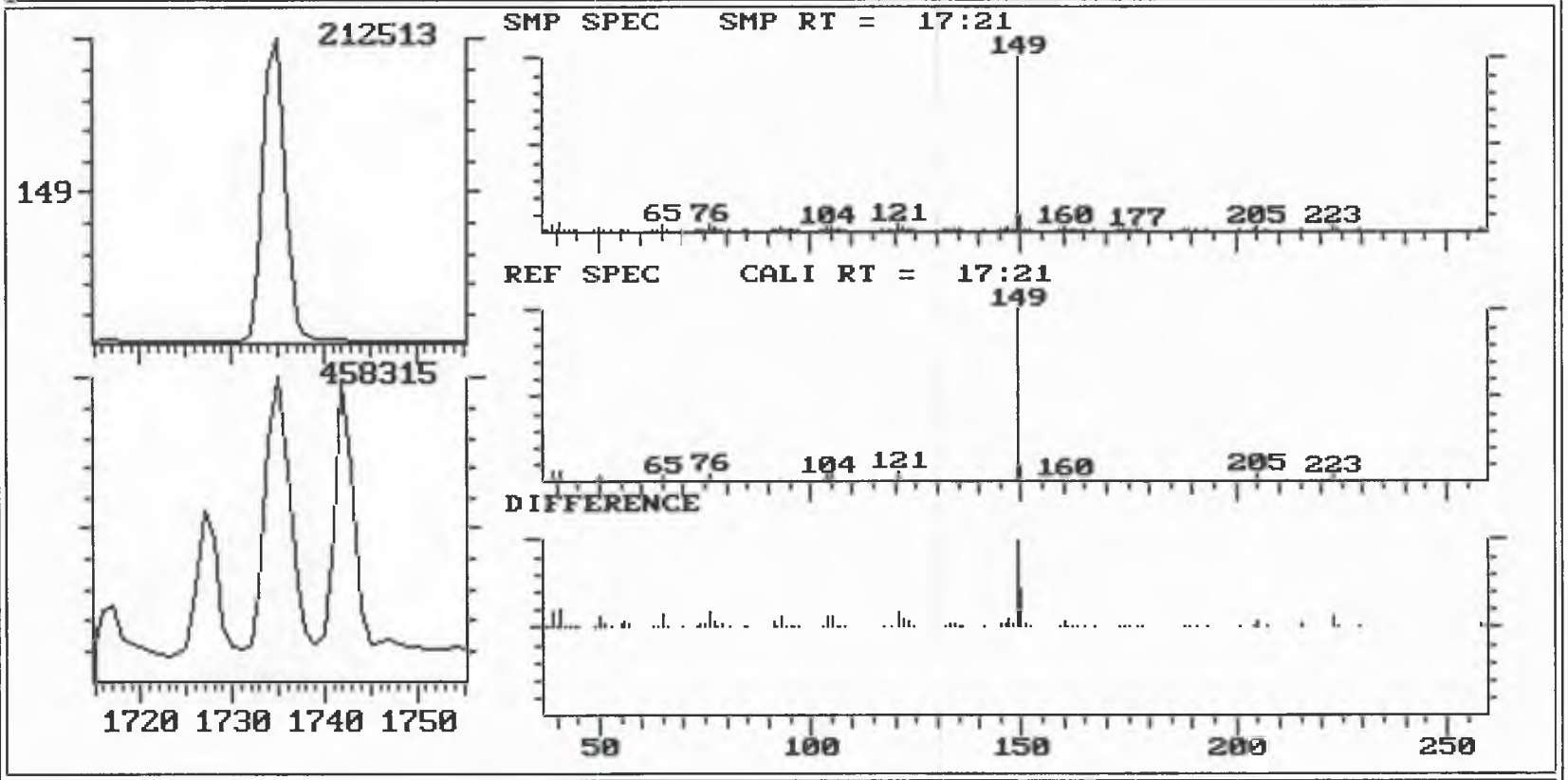
DATAFILE : P10798 ANALYSIS DATE : 12/22/94 06:49
SAMPLE : 45227-4 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



COMPOUND : 2,6-dinitrotoluene
AMOUNT : 0.061 NG/UL
FIT S/N : 941

SAMPLE QUANTITATION REPORT

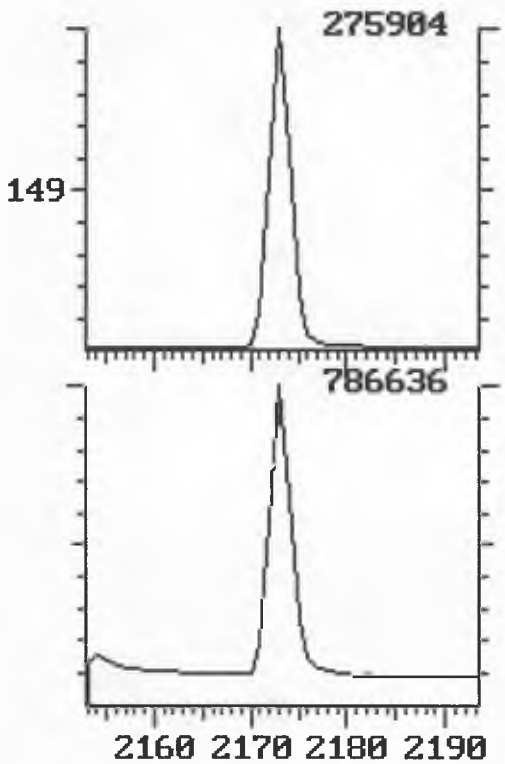
DATAFILE : P10798 ANALYSIS DATE : 12/22/94 06:49
SAMPLE : 45227-4 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

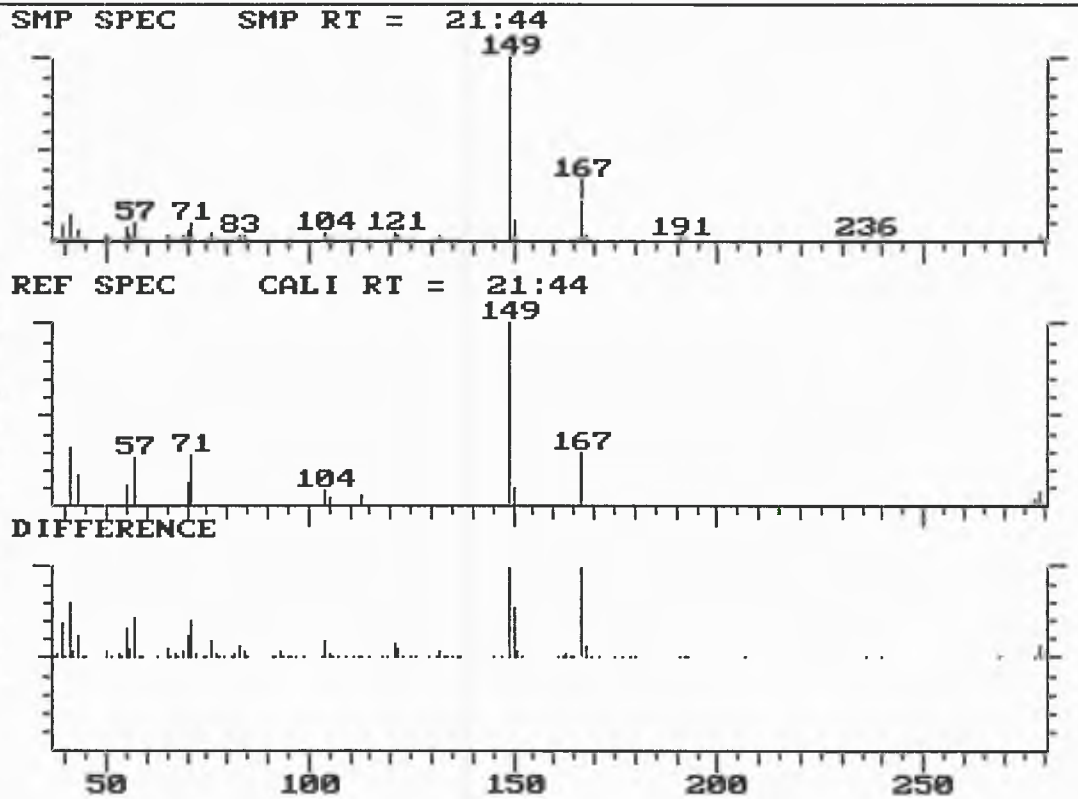


COMPOUND : di-n-butylphthalate
AMOUNT : 0.134 NG/UL
FIT S/N : 999

SAMPLE QUANTITATION REPORT

DATAFILE : P10798 ANALYSIS DATE : 12/22/94 06:49
SAMPLE : 45227-4 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



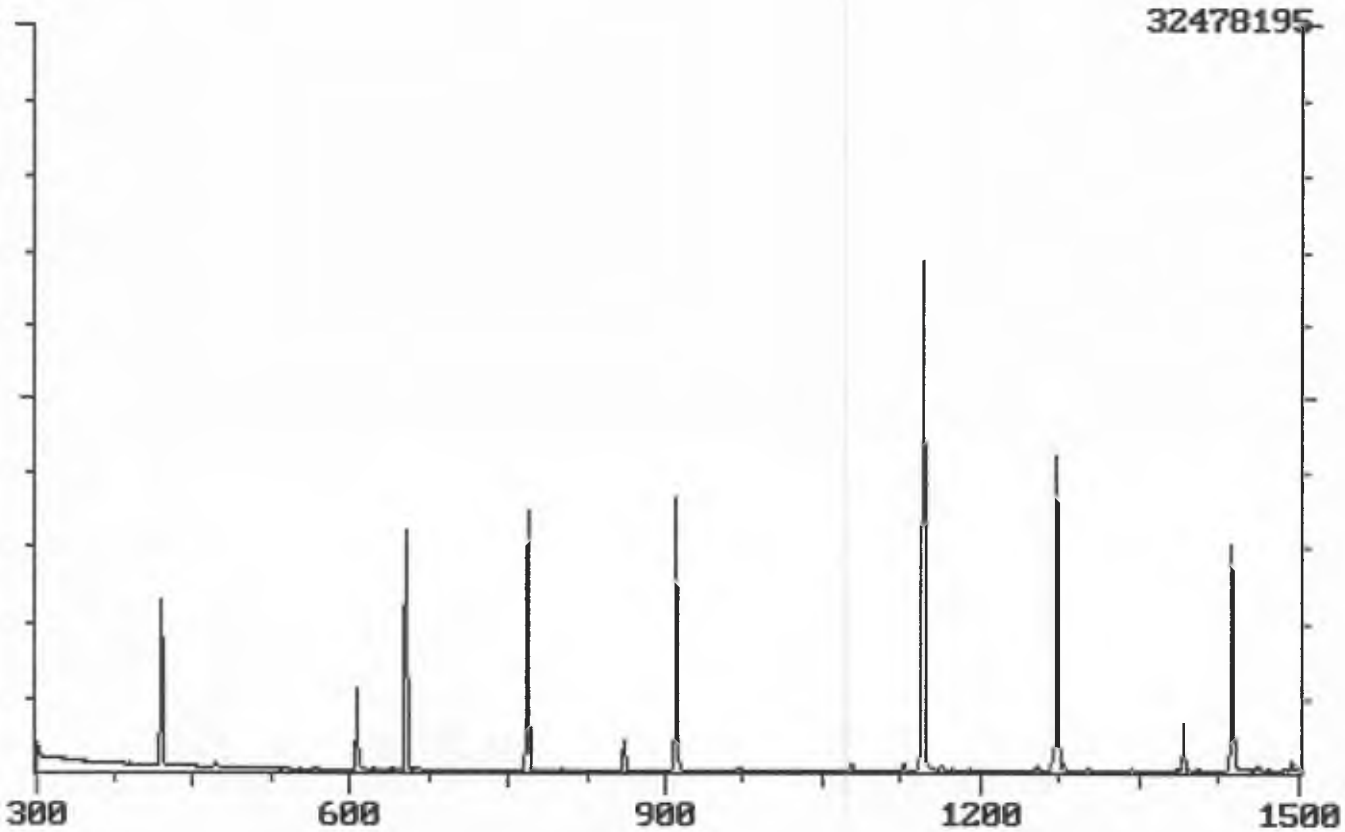


COMPOUND : bis-(2-ethylhexyl)ph
AMOUNT : 0.216 NG/UL
FIT S/N : 960

SAMPLE CHROMATOGRAM

DATAFILE : P10799
SAMPLE : 45227-6 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/22/94 07:34



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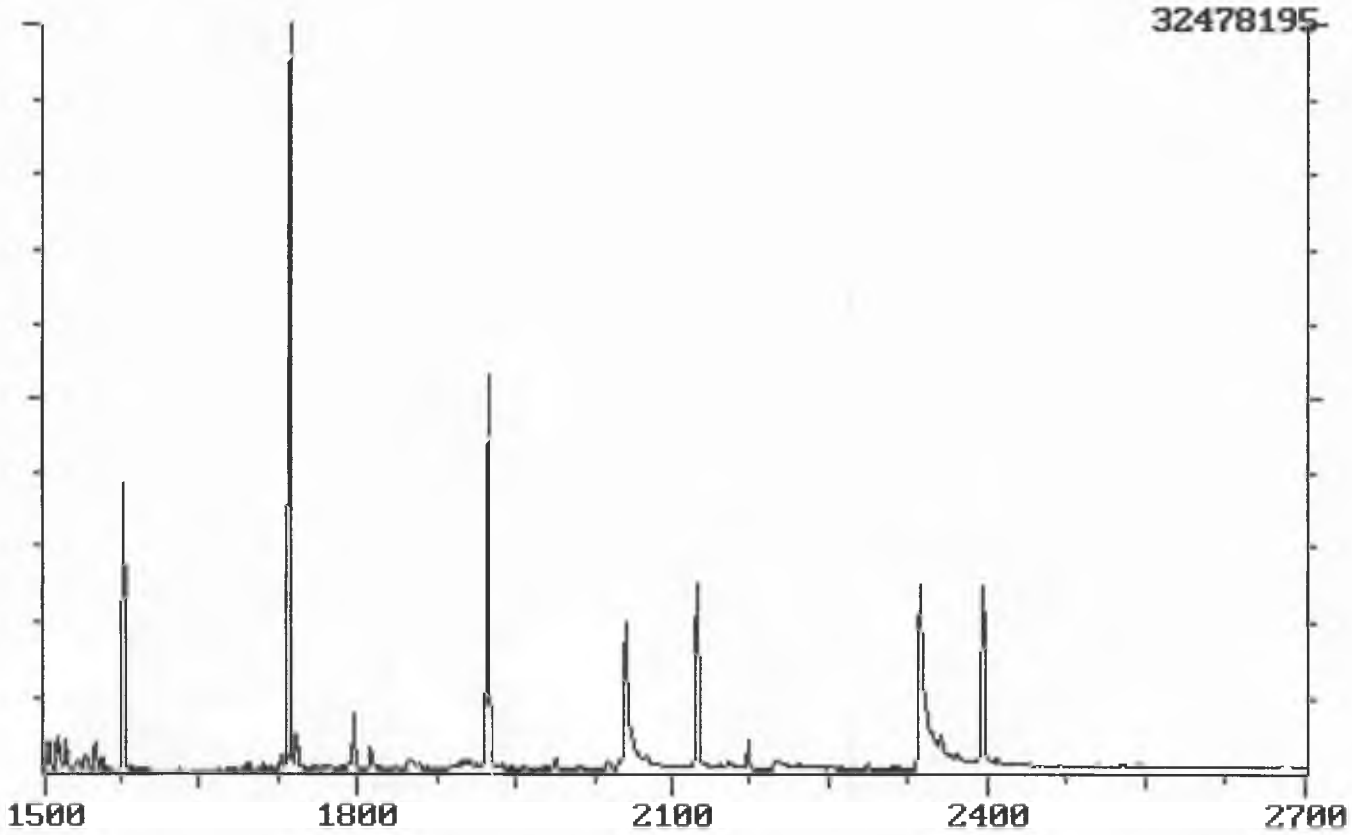
SAMPLE CHROMATOGRAM

DATAFILE : P10799
SAMPLE : 45227-6 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/22/94 07:34



PAGE 2

SAMPLE QUANTITATION REPORT

DATAFILE : P10799 ANALYSIS DATE : 12/22/94 07:34
SAMPLE : 45227-6 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area / RT	
d4-1,4-diClbenzene (IS)	6.53	4.000	NG/UL	4730443	4004999	6.54
d8-naphthalene (IS)	9.11	4.000	NG/UL	13670874	12582491	9.11
d8-acenaphthene (IS)	12.73	4.000	NG/UL	9314362	7909801	12.73
d10-phenanthrene (IS)	15.78	4.000	NG/UL	12768074	11609251	15.77
d12-chrysene (IS)	21.24	4.000	NG/UL	8838982	6991606	21.24
d12-perylene (IS)	23.96	4.000	NG/UL	9223707	7448922	23.95
d5-nitrobenzene (SS)	7.69	7.018	NG/UL	4795811		
2-fluorobiphenyl (SS)	11.47	8.006	NG/UL	19923468		
d14-terphenyl (SS)	19.24	10.149	NG/UL	18158945		
d5-phenol (SS)	6.07	2.651	NG/UL	2410759		
2-fluorophenol (SS)	4.20	5.290	NG/UL	4122147		
2,4,6-tribromophenol (!	14.38	10.017	NG/UL	3836662		
*^ phenol				ND		
bis-(2-chloroethyl)ether				ND		
^ 2-chlorophenol				ND		
1,3-dichlorobenzene				ND		
^ 1,4-dichlorobenzene				ND		
benzyl alcohol				ND		
1,2-dichlorobenzene				ND		
2-methylphenol				ND		
bis-(2-chloroisopropyl)eth				ND		
4-methylphenol				ND		
**^ n-nitroso-di-n-propylamine				ND		
hexachloroethane				ND		
nitrobenzene				ND		
isophorone				ND		
2-nitrophenol				ND		
2,4-dimethylphenol				ND		
benzoic acid				ND		
bis-(2-chloroethoxy)ether				ND		
* 2,4-dichlorophenol				ND		

SAMPLE QUANTITATION REPORT

DATAFILE : P10799 ANALYSIS DATE : 12/22/94 07:34
SAMPLE : 45227-6 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area / RT
^ 1,2,4-trichlorobenzene			ND		
naphthalene			ND		
4-chloroaniline			ND		
* hexachlorobutadiene			ND		
^ 4-chloro-3-methylphenol			ND		
2-methylnaphthalene			ND		
** hexachlorocyclopentadiene			ND		
* 2,4,6-trichlorophenol			ND		
2,4,5-trichlorophenol			ND		
2-chloronaphthalene			ND		
2-nitroaniline			ND		
dimethyl phthalate			ND		
acenaphthylene			ND		
2,6-dinitrotoluene			ND		
3-nitroaniline			ND		
* ^ acenaphthene	12.79	0.077 NG/UL		172634	
** 2,4-dinitrophenol			ND		
**^ 4-nitrophenol			ND		
dibenzofuran			ND		
^ 2,4-dinitrotoluene			ND		
diethylphthalate			ND		
4-chlorophenyl-phenyl-ethe			ND		
fluorene			ND		
4-nitroaniline			ND		
4,6-dinitro-2-methylphenol			ND		
* n-nitrosodiphenylamine			ND		
4-bromophenyl-phenyl-ether			ND		
hexachlorobenzene			ND		
*^ pentachlorophenol	15.46	0.122 NG/UL		57025	
phenanthrene			ND		
anthracene			ND		

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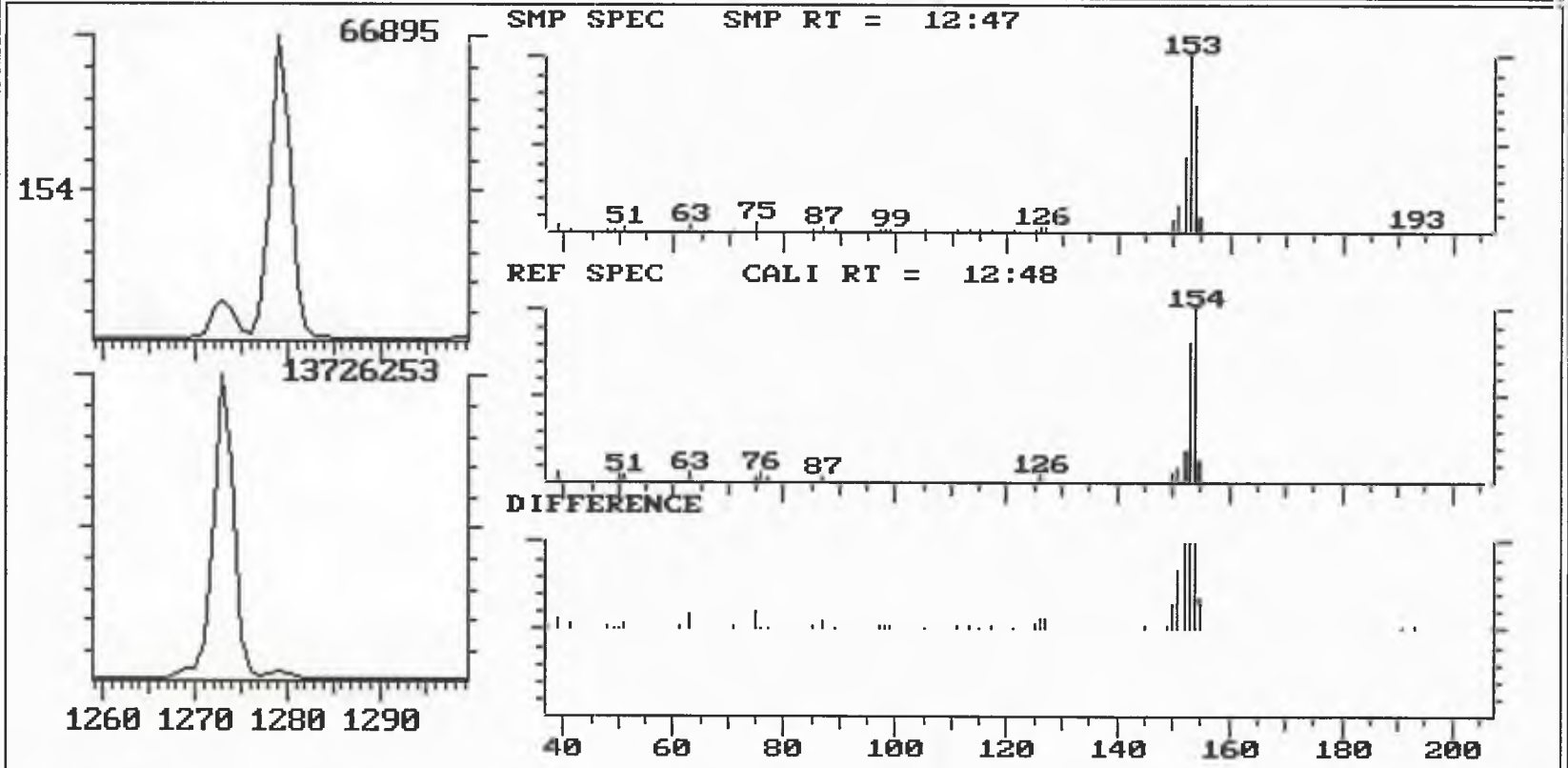
SAMPLE QUANTITATION REPORT

DATAFILE : P10799 ANALYSIS DATE : 12/22/94 07:34
SAMPLE : 45227-6 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

	Compound name	RT	Concentration		Area	CCSTD Area / RT
	di-n-butylphthalate	17.37	11.749	NG/UL	49946031	
*	fluoranthene			ND		
^	pyrene			ND		
	butylbenzylphthalate	20.41	0.061	NG/UL	158184	
	3,3'-dichlorobenzidine			ND		
	benzo(a)anthracene			ND		
	chrysene			ND		
	bis-(2-ethylhexyl)phth	21.74	0.355	NG/UL	1233569	
*	di-n-octylphthalate			ND		
	benzo(b)fluoranthene			ND		
	benzo(k)fluoranthene			ND		
*	benzo(a)pyrene			ND		
	indeno(1,2,3-cd)pyrene			ND		
	dibenzo(a,h)anthracene			ND		
	benzo(g,h,i)perylene			ND		

SAMPLE QUANTITATION REPORT

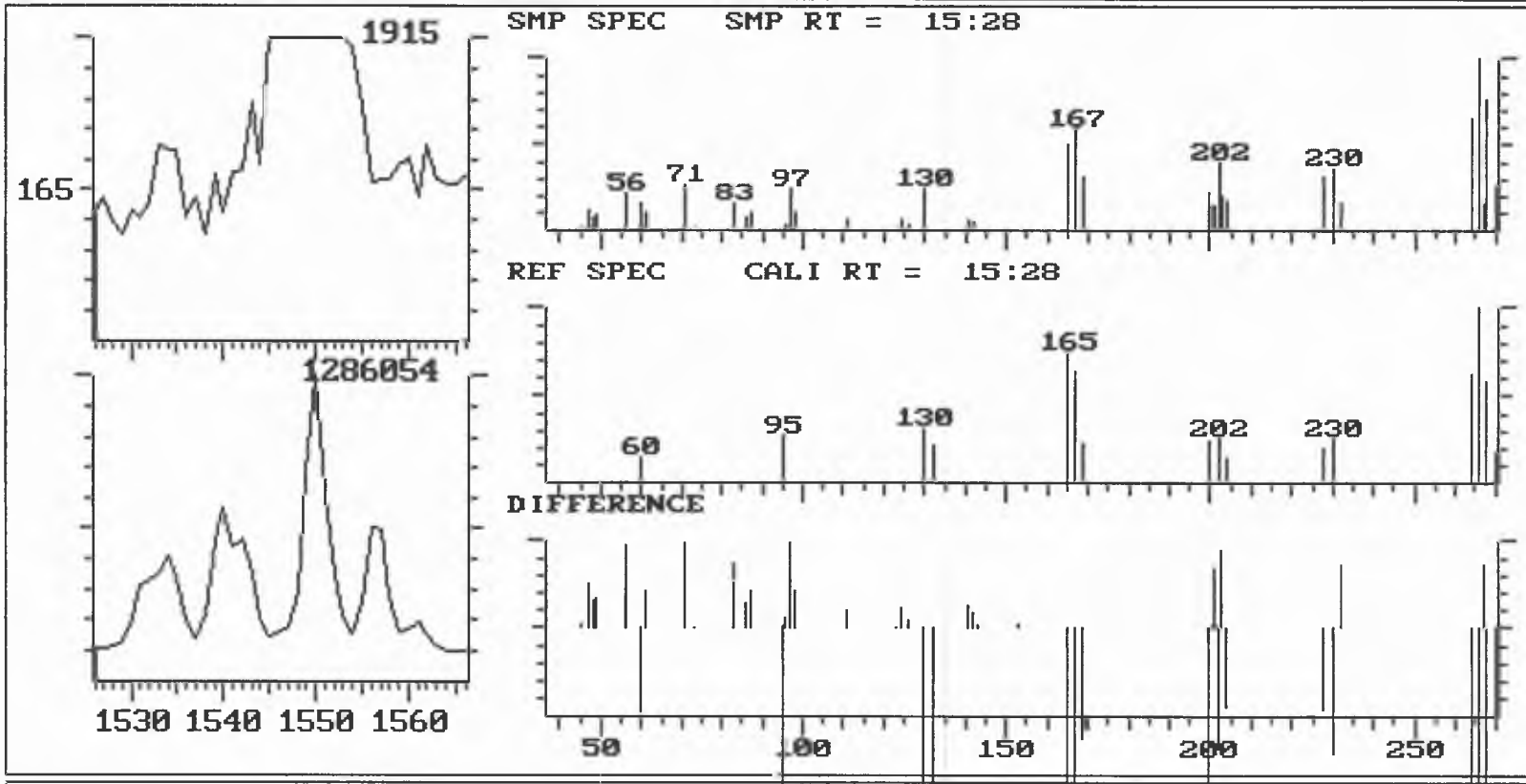
DATAFILE : P10799 ANALYSIS DATE : 12/22/94 07:34
SAMPLE : 45227-6 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



COMPOUND : * ^ acenaphthene
AMOUNT : 0.077 NG/UL
FIT S/N : 938

SAMPLE QUANTITATION REPORT

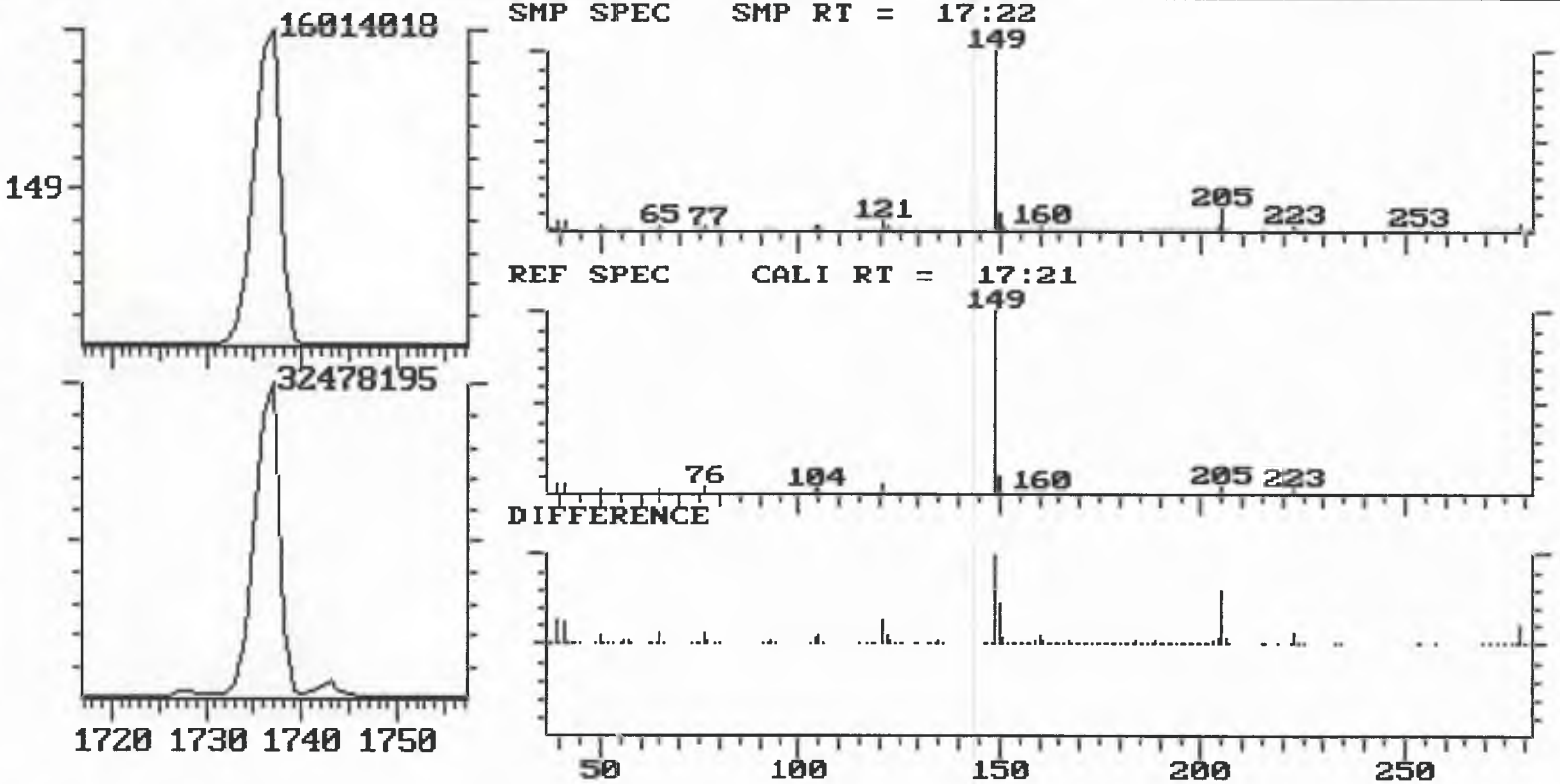
DATAFILE : P10799 ANALYSIS DATE : 12/22/94 07:34
SAMPLE : 45227-6 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



COMPOUND : *^ pentachlorophenol
AMOUNT : 0.122 NG/UL
FIT S/N : 924

SAMPLE QUANTITATION REPORT

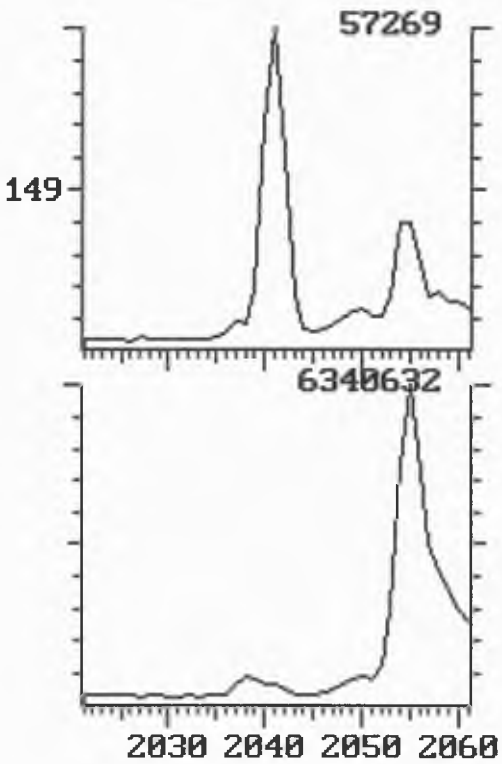
DATAFILE : P10799 ANALYSIS DATE : 12/22/94 07:34
SAMPLE : 45227-6 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

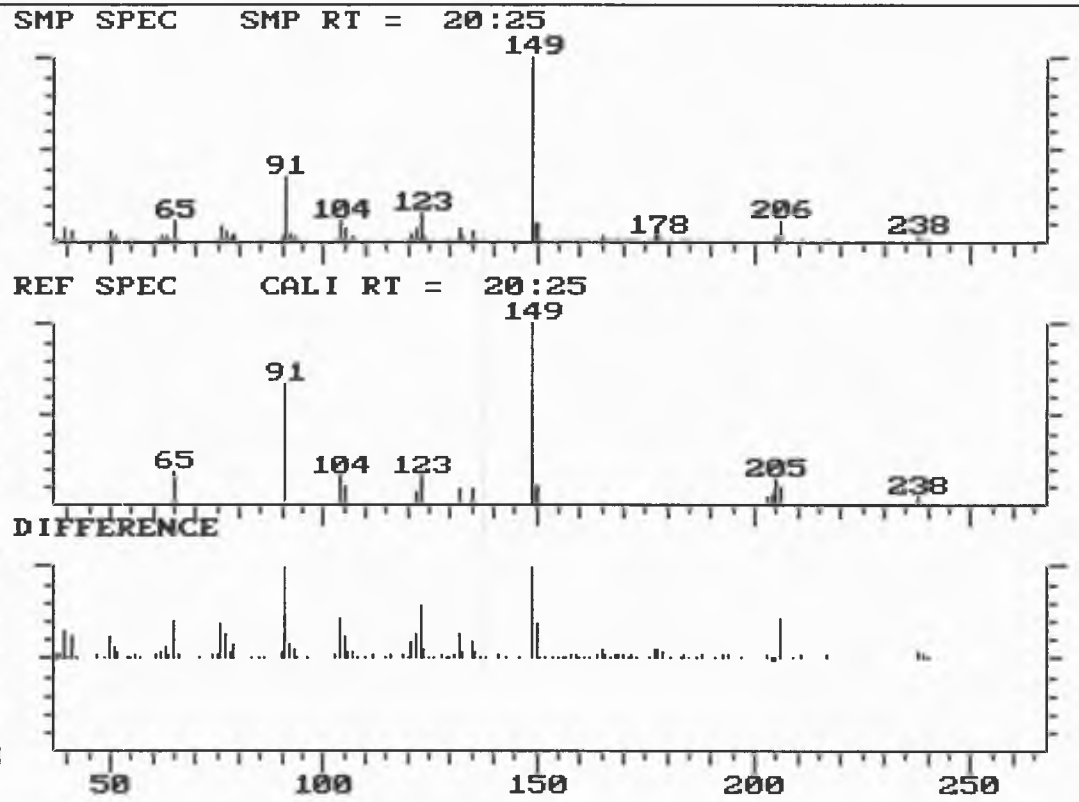


COMPOUND : di-n-butylphthalate
AMOUNT : 11.749 NG/UL
FIT S/N : 996

SAMPLE QUANTITATION REPORT

DATAFILE : P10799 ANALYSIS DATE : 12/22/94 07:34
SAMPLE : 45227-6 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

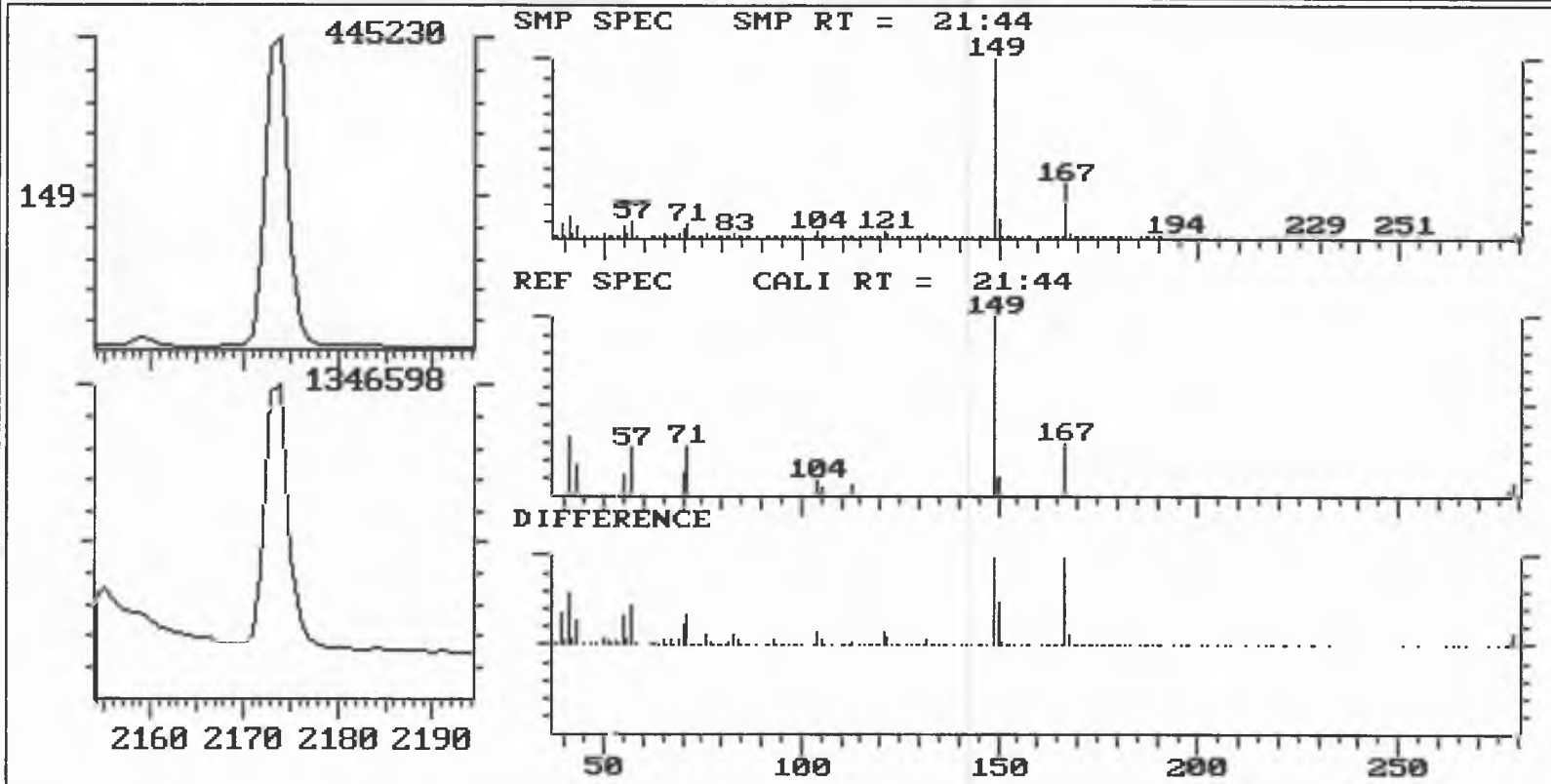




COMPOUND : butylbenzylphthalate
AMOUNT : 0.061 NG/UL
FIT S/N : 947

SAMPLE QUANTITATION REPORT

DATAFILE : P10799 ANALYSIS DATE : 12/22/94 07:34
SAMPLE : 45227-6 SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

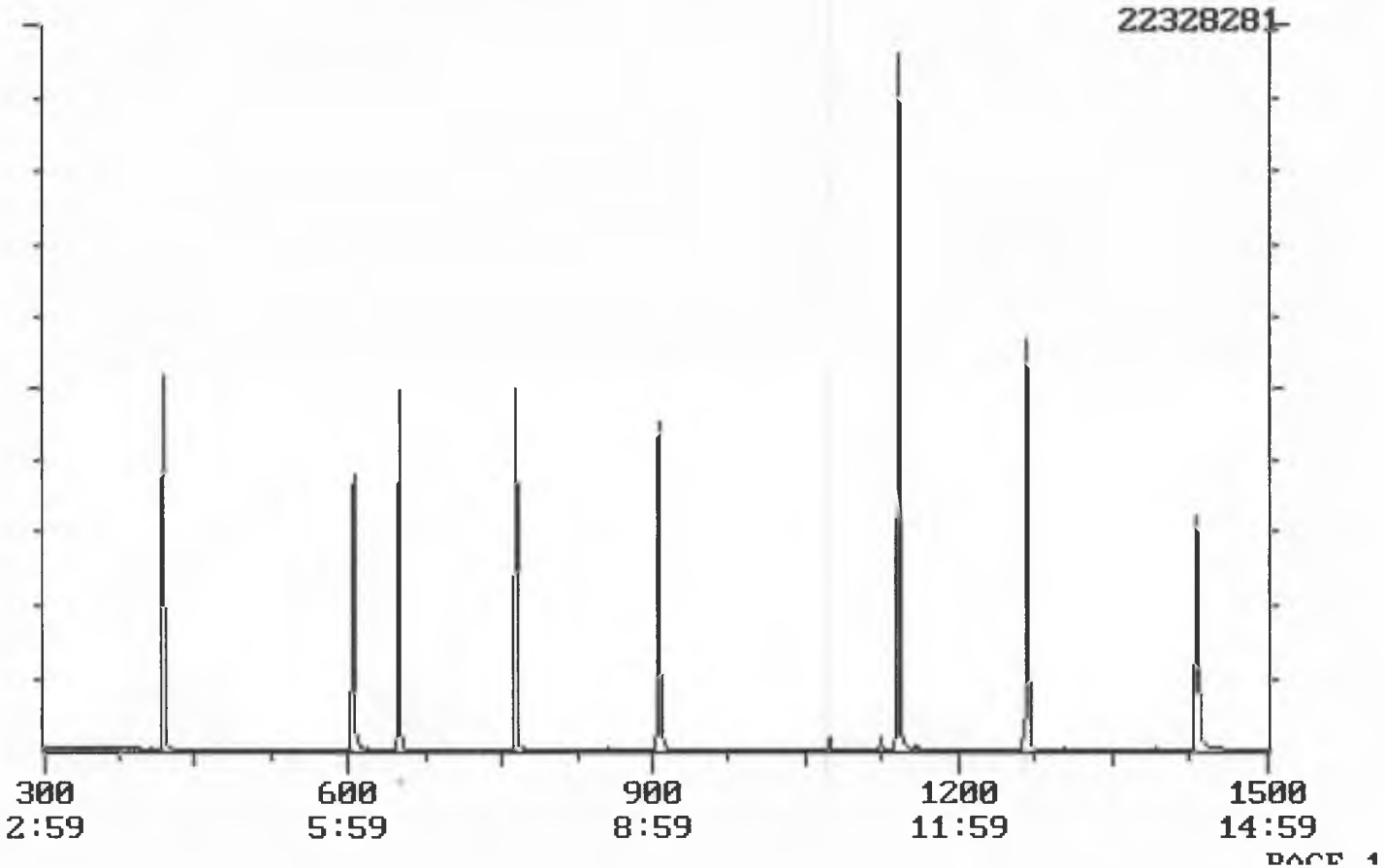


COMPOUND : bis-(2-ethylhexyl)ph
AMOUNT : 0.355 NG/UL
FIT S/N : 959

SAMPLE CHROMATOGRAM

DATAFILE : P10836
SAMPLE : 45227-7 SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/28/94 14:32



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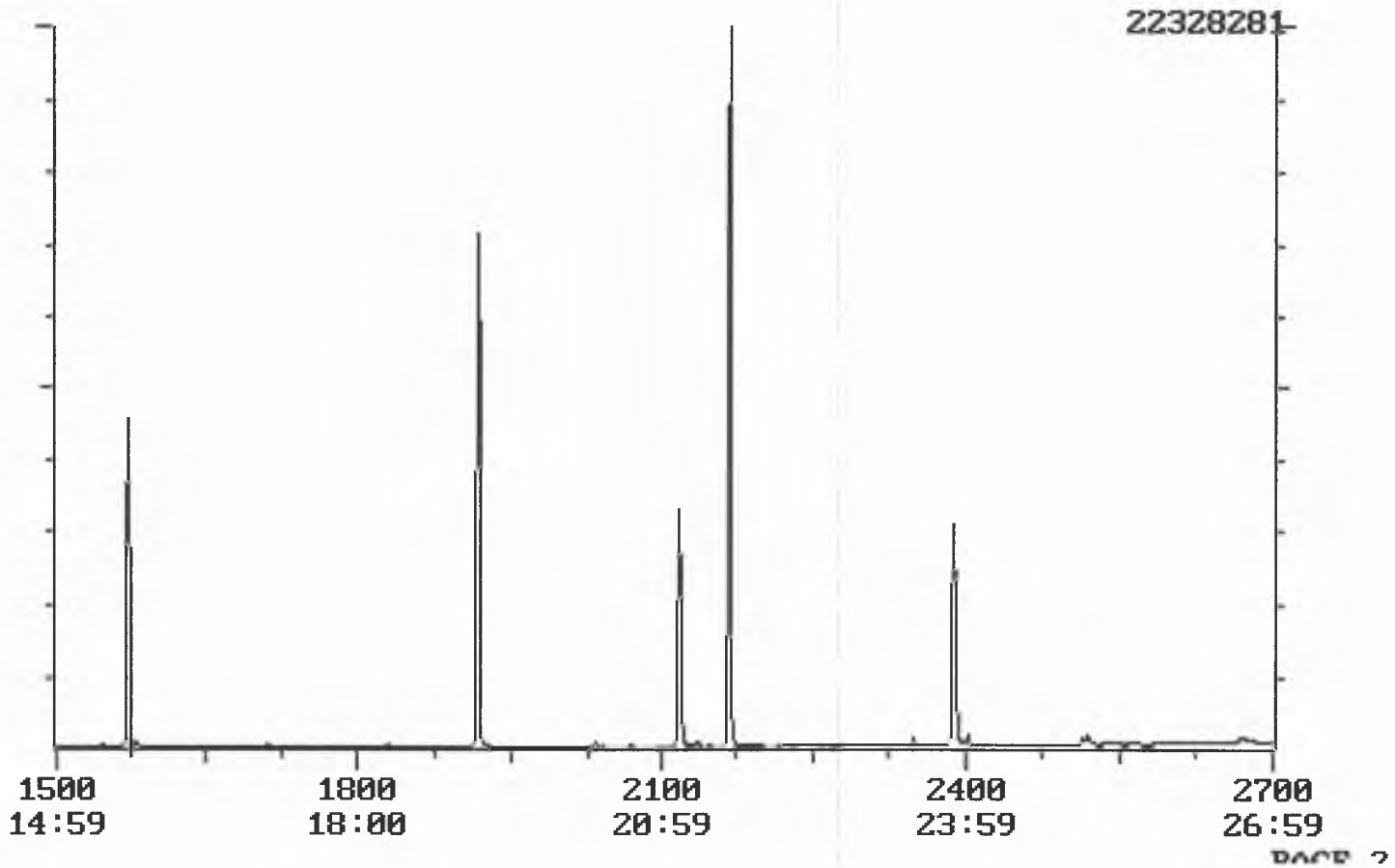
SAMPLE CHROMATOGRAM

DATAFILE : P10836
SAMPLE : 45227-7 SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/28/94 14:32



SAMPLE QUANTITATION REPORT

DATAFILE : P10836 ANALYSIS DATE : 12/28/94 14:32
SAMPLE : 45227-7 SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area / RT
d4-1,4-diClbenzene (IS)	6.50	4.000	NG/UL	5054647	4744450 6.50
d8-naphthalene (IS)	9.07	4.000	NG/UL	14507691	14826666 9.08
d8-acenaphthene (IS)	12.68	4.000	NG/UL	9625018	9568973 12.69
d10-phenanthrene (IS)	15.72	4.000	NG/UL	12725669	12664283 15.73
d12-chrysene (IS)	21.18	4.000	NG/UL	8413233	7967837 21.19
d12-perylene (IS)	23.89	4.000	NG/UL	8760509	8675564 23.90
d5-nitrobenzene (SS)	7.65	7.300	NG/UL	4895250	
2-fluorobiphenyl (SS)	11.42	10.227	NG/UL	22263557	
d14-terphenyl (SS)	19.18	9.500	NG/UL	15139520	
d5-phenol (SS)	6.06	8.821	NG/UL	8261775	
2-fluorophenol (SS)	4.19	10.309	NG/UL	7979990	
2,4,6-tribromophenol (S	14.33	9.496	NG/UL	3155066	
*^ phenol			ND		
bis-(2-chloroethyl)ether			ND		
^ 2-chlorophenol			ND		
1,3-dichlorobenzene			ND		
^ 1,4-dichlorobenzene			ND		
benzyl alcohol			ND		
1,2-dichlorobenzene			ND		
2-methylphenol			ND		
bis-(2-chloroisopropyl)eth			ND		
4-methylphenol			ND		
**^ n-nitroso-di-n-propylamine			ND		
hexachloroethane			ND		
nitrobenzene			ND		
isophorone			ND		
2-nitrophenol			ND		
2,4-dimethylphenol			ND		
benzoic acid			ND		
bis-(2-chloroethoxy)ether			ND		
* 2,4-dichlorophenol			ND		

SAMPLE QUANTITATION REPORT

DATAFILE : P10836 ANALYSIS DATE : 12/28/94 14:32
SAMPLE : 45227-7 SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

	Compound name	RT	Concentration	Area	CCSTD Area / RT
^	1,2,4-trichlorobenzene		ND		
	naphthalene		ND		
	4-chloroaniline		ND		
*	hexachlorobutadiene		ND		
^	4-chloro-3-methylphenol		ND		
	2-methylnaphthalene		ND		
**	hexachlorocyclopentadiene		ND		
*	2,4,6-trichlorophenol		ND		
	2,4,5-trichlorophenol		ND		
	2-chloronaphthalene		ND		
	2-nitroaniline		ND		
	dimethyl phthalate		ND		
	acenaphthylene		ND		
	2,6-dinitrotoluene		ND		
	3-nitroaniline		ND		
* ^	acenaphthene		ND		
**	2,4-dinitrophenol		ND		
**^	4-nitrophenol		ND		
	dibenzofuran		ND		
^	2,4-dinitrotoluene		ND		
	diethylphthalate		ND		
	4-chlorophenyl-phenyl-ethe		ND		
	fluorene		ND		
	4-nitroaniline		ND		
	4,6-dinitro-2-methylphenol		ND		
*	n-nitrosodiphenylamine		ND		
	4-bromophenyl-phenyl-ether		ND		
	hexachlorobenzene		ND		
*^	pentachlorophenol		ND		
	phenanthrene		ND		
	anthracene		ND		

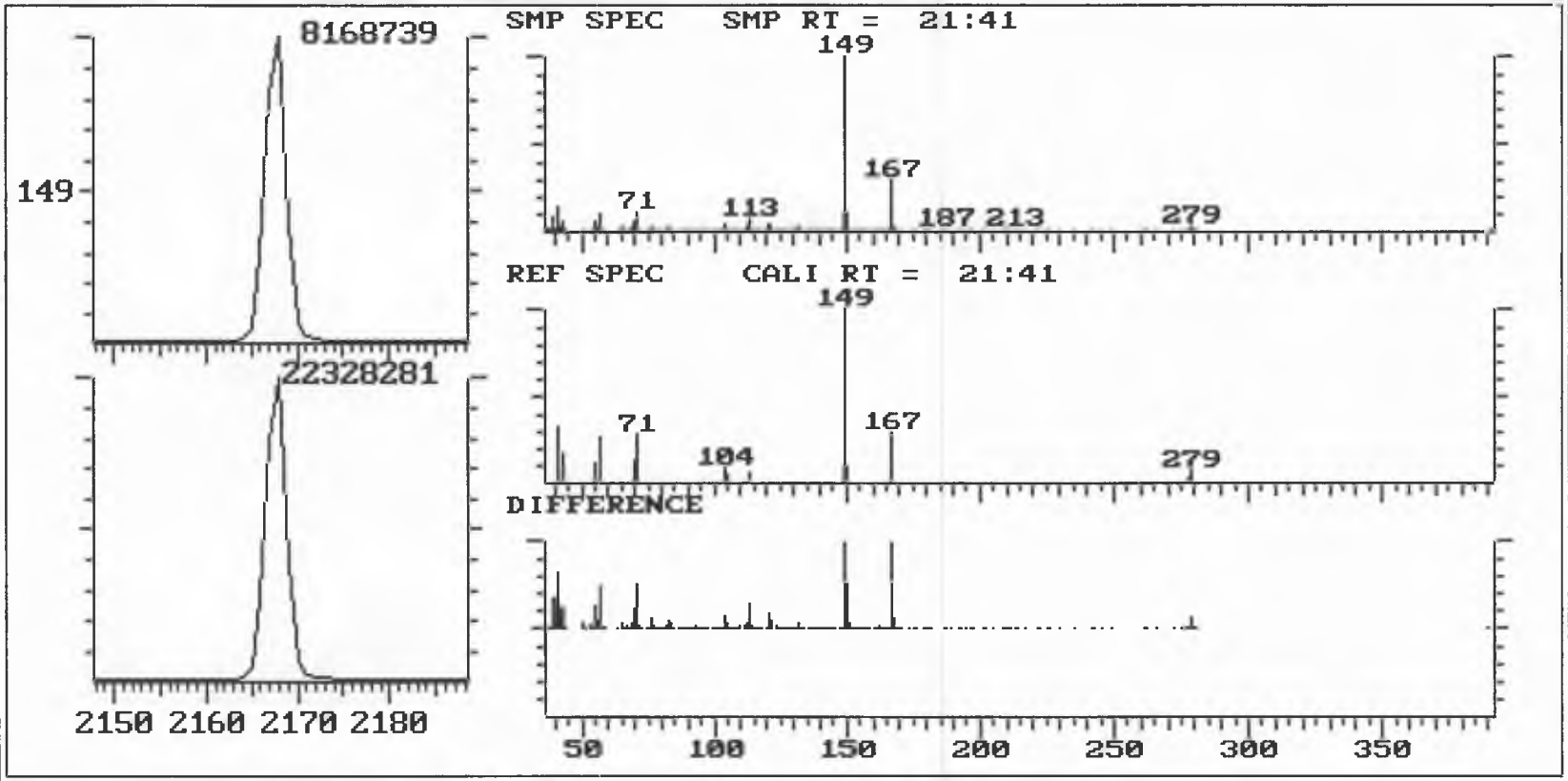
SAMPLE QUANTITATION REPORT

DATAFILE : P10836 ANALYSIS DATE : 12/28/94 14:32
SAMPLE : 45227-7 SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

	Compound name	RT	Concentration		Area	CCSTD Area / RT
	di-n-butylphthalate			ND		
*	fluoranthene			ND		
^	pyrene			ND		
	butylbenzylphthalate			ND		
	3,3'-dichlorobenzidine			ND		
	benzo(a)anthracene			ND		
	chrysene			ND		
	bis-(2-ethylhexyl)phth	21.68	6.704 NG/UL		21781713	
*	di-n-octylphthalate			ND		
	benzo(b)fluoranthene			ND		
	benzo(k)fluoranthene			ND		
*	benzo(a)pyrene			ND		
	indeno(1,2,3-cd)pyrene			ND		
	dibenzo(a,h)anthracene			ND		
	benzo(g,h,i)perylene			ND		

SAMPLE QUANTITATION REPORT

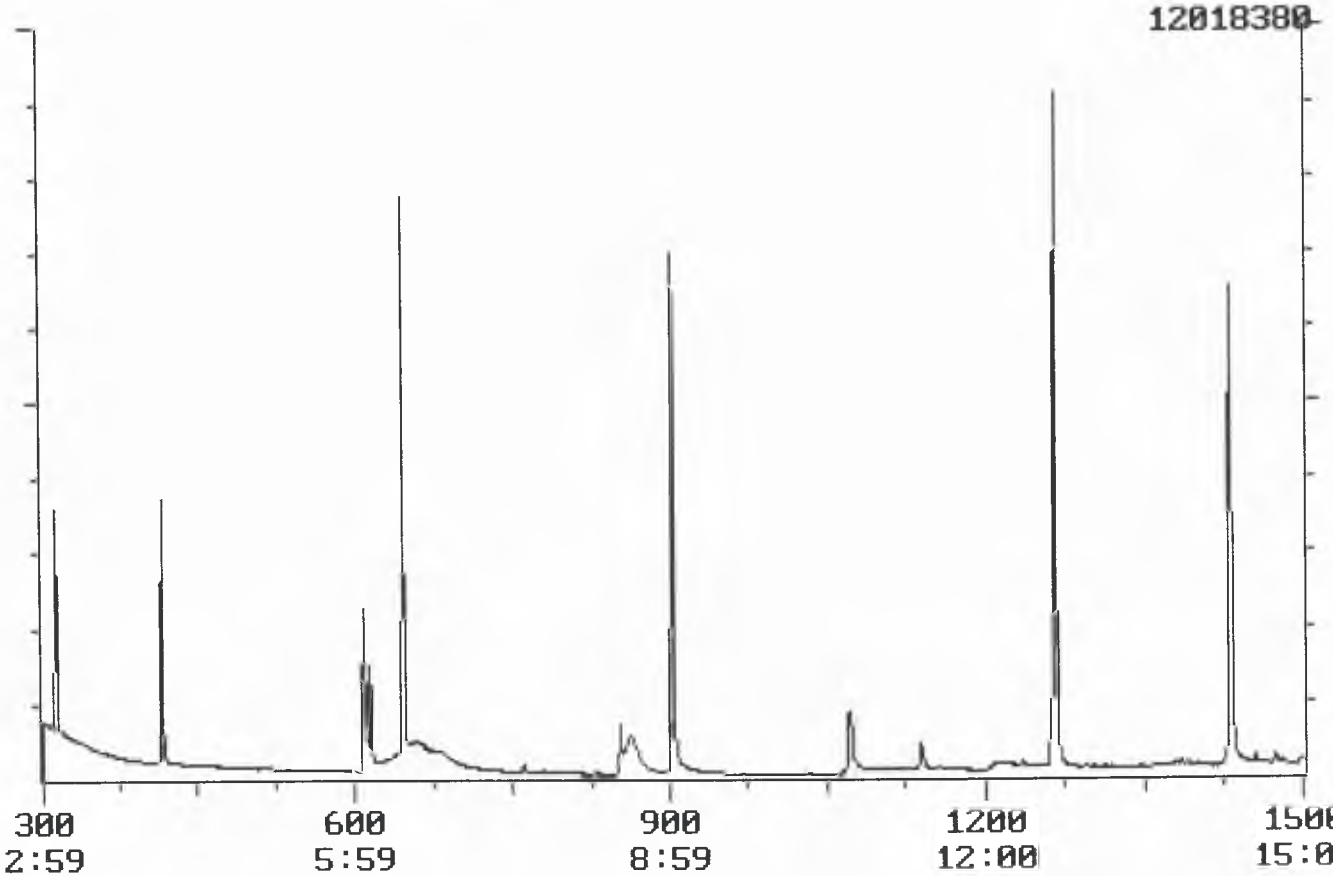
DATAFILE : P10836 ANALYSIS DATE : 12/28/94 14:32
SAMPLE : 45227-7 SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



COMPOUND : bis-(2-ethylhexyl)ph
AMOUNT : 6.704 NG/UL
FIT S/N : 963

SAMPLE CHROMATOGRAM

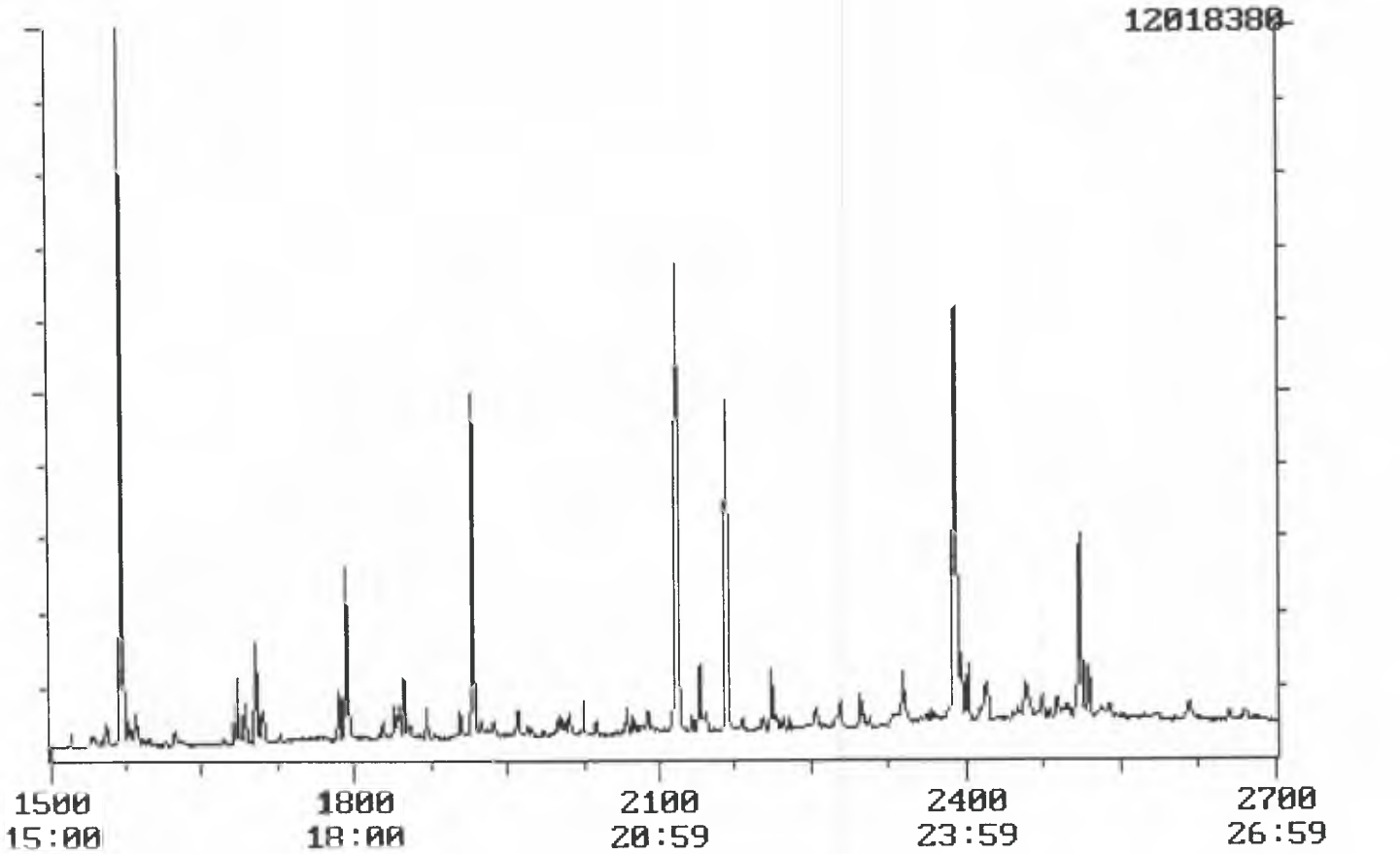
DATAFILE : P10975 ANALYSIS DATE : 01/12/95 15:15
SAMPLE : 45227-7 CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



PAGE 1

SAMPLE CHROMATOGRAM

DATAFILE : P10975 ANALYSIS DATE : 01/12/95 15:15
SAMPLE : 45227-7 CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



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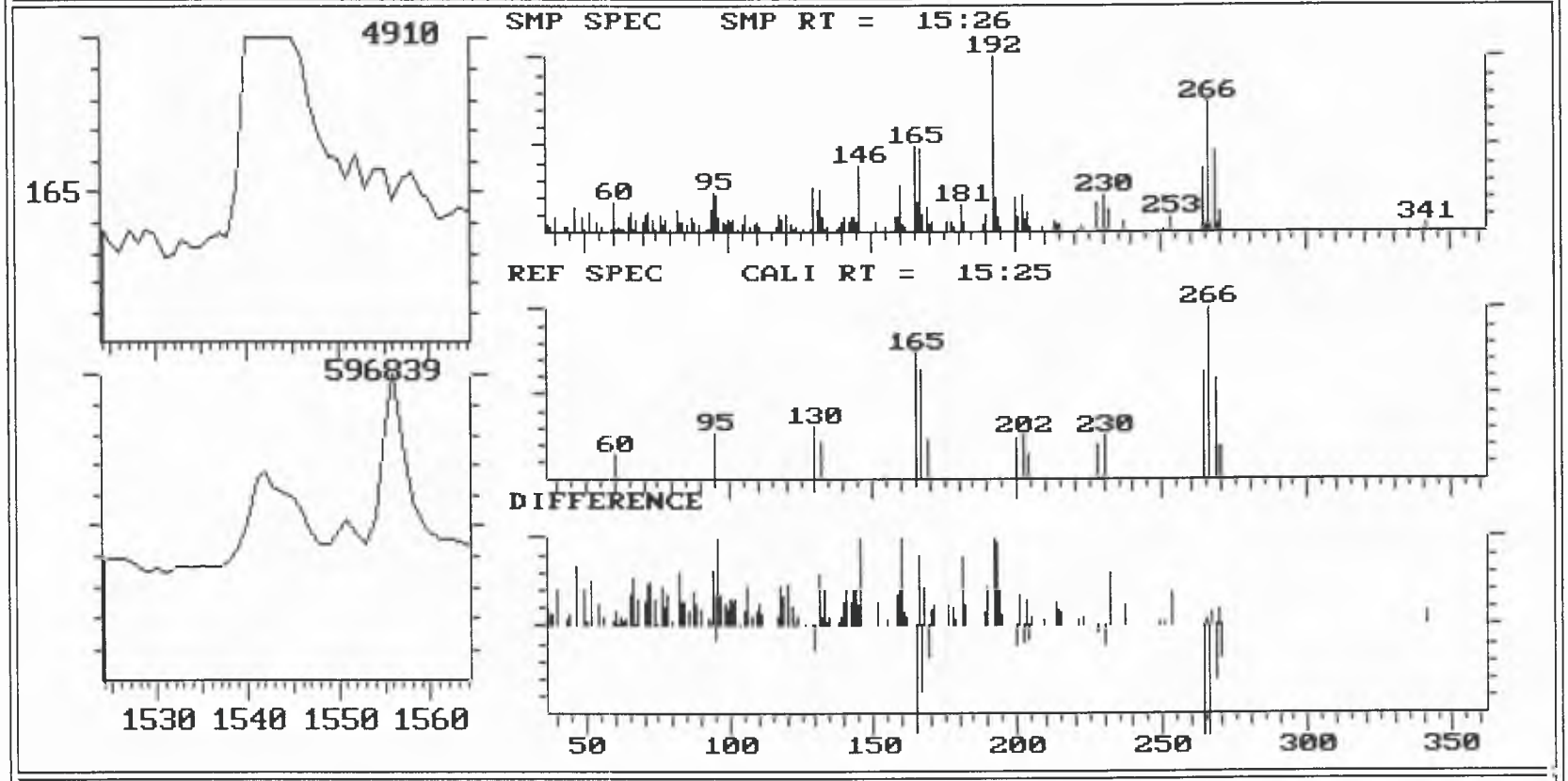
SAMPLE QUANTITATION REPORT

DATAFILE : P10975 ANALYSIS DATE : 01/12/95 15:15
SAMPLE : 45227-7 CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area / RT	
d4-1,4-diClbenzene (IS)	6.46	4.000	NG/UL	3845376	4595924	6.46
d8-naphthalene (IS)	9.03	4.000	NG/UL	12008169	14821906	9.03
d8-acenaphthene (IS)	12.66	4.000	NG/UL	8718663	9809542	12.66
d10-phenanthrene (IS)	15.71	4.000	NG/UL	12564549	13888904	15.71
d12-chrysene (IS)	21.18	4.000	NG/UL	8900157	9629078	21.18
d12-perylene (IS)	23.89	4.000	NG/UL	8107800	10426872	23.90
d5-nitrobenzene (SS)	7.61	0.169	NG/UL	82664		
2-fluorobiphenyl (SS)	11.40	0.276	NG/UL	583063		
d14-terphenyl (SS)	19.16	2.837	NG/UL	4278501		
d5-phenol (SS)	6.09	2.905	NG/UL	2234385		
2-fluorophenol (SS)	4.16	4.434	NG/UL	2451629		
2,4,6-tribromophenol (S	14.32	8.937	NG/UL	2985482		
*^ pentachlorophenol	15.44	0.085	NG/UL	46217		

SAMPLE QUANTITATION REPORT

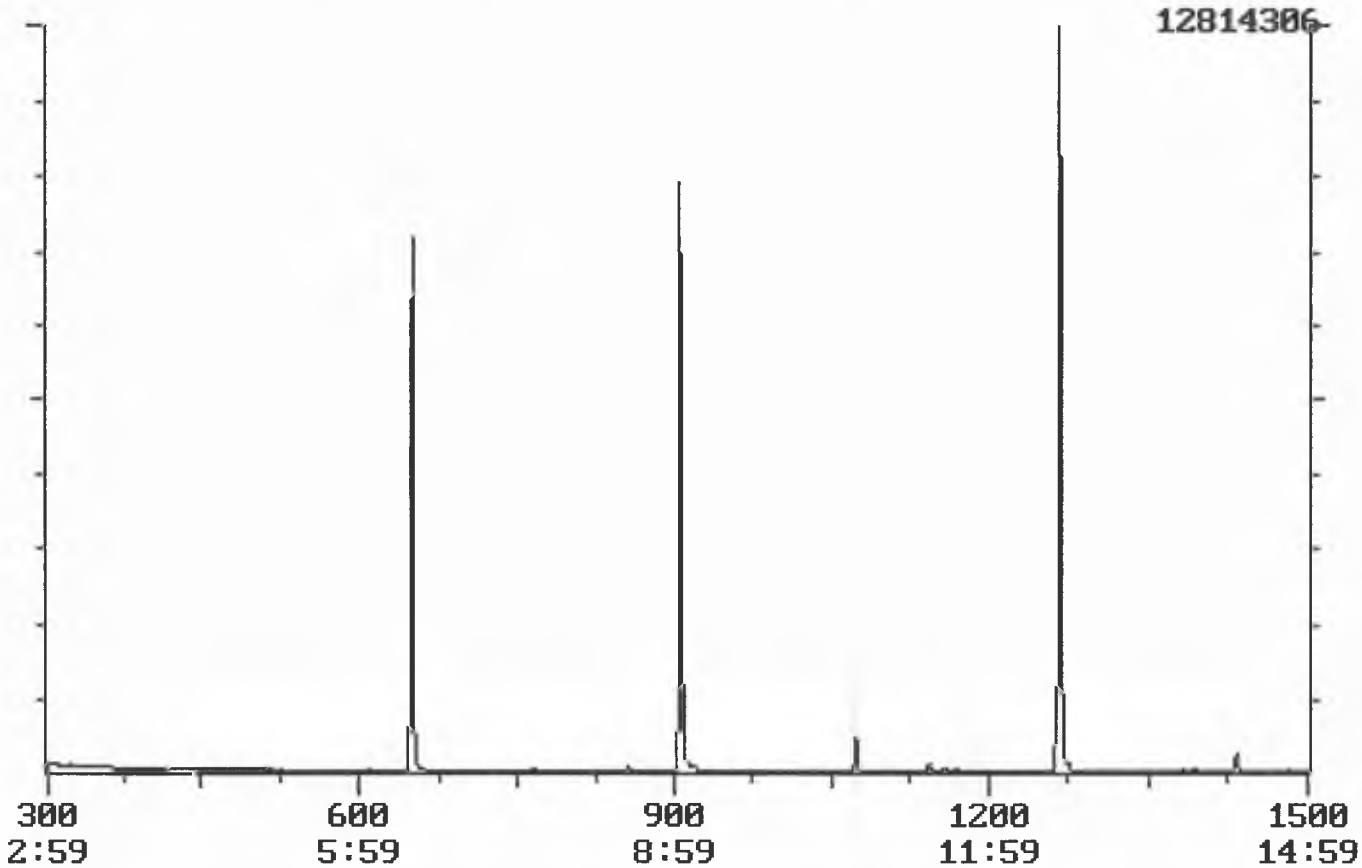
DATAFILE : P10975 ANALYSIS DATE : 01/12/95 15:15
SAMPLE : 45227-7 CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



COMPOUND : *^ pentachlorophenol
AMOUNT : 0.085 NG/UL
FIT S/N : 924

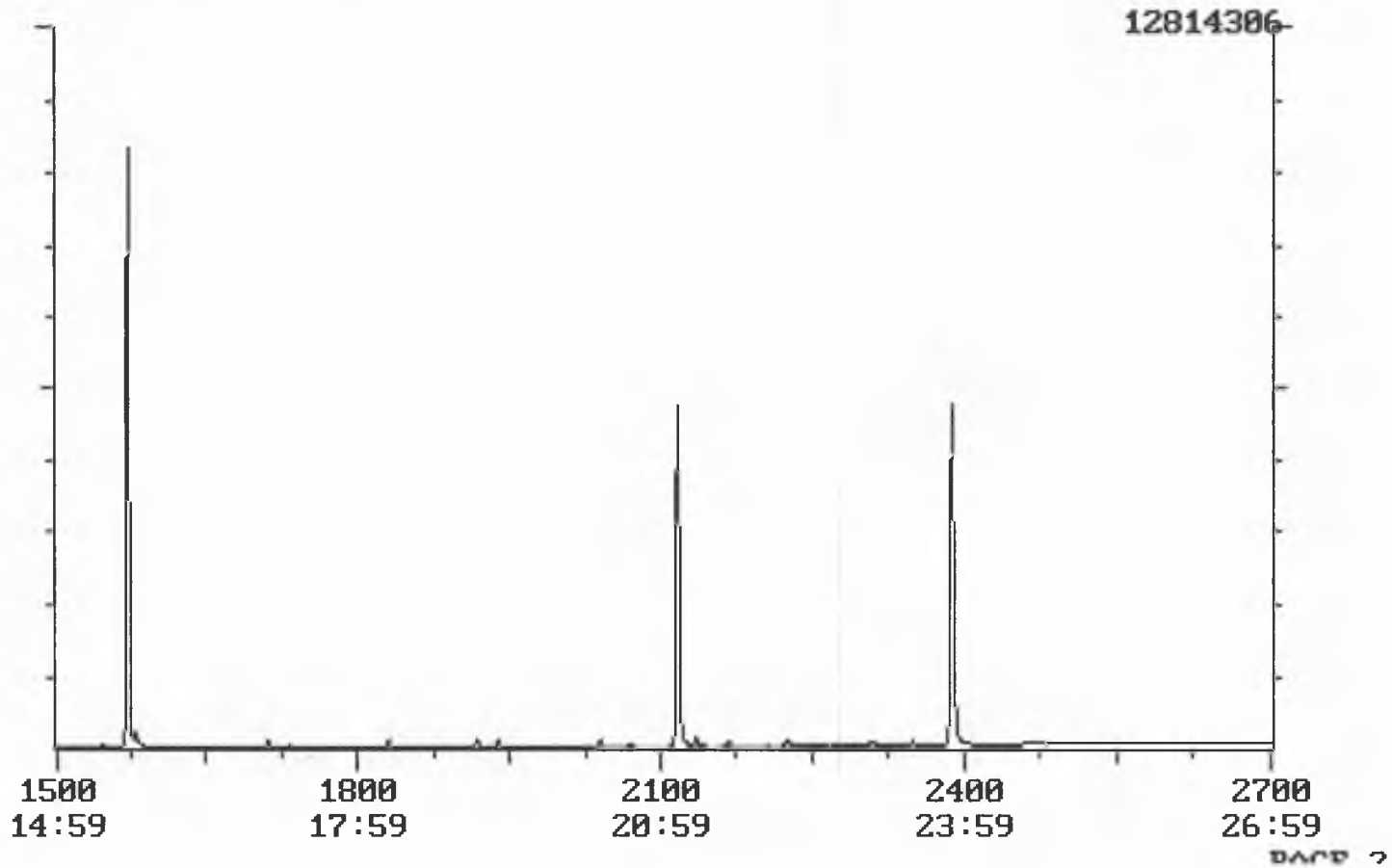
SAMPLE CHROMATOGRAM

DATAFILE : P10839 ANALYSIS DATE : 12/28/94 16:23
SAMPLE : 45227-8 SV185 1/100 DIL.
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



SAMPLE CHROMATOGRAM

DATAFILE : P10839 ANALYSIS DATE : 12/28/94 16:23
SAMPLE : 45227-8 SV185 1/100 DIL.
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



SAMPLE QUANTITATION REPORT

DATAFILE : P10839 ANALYSIS DATE : 12/28/94 16:23
SAMPLE : 45227-8 SV185 1/100 DIL.
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area / RT
d4-1,4-diClbenzene (IS)	6.50	4.000	NG/UL	4766096	4744450 6.50
d8-naphthalene (IS)	9.06	4.000	NG/UL	13931649	14826666 9.08
d8-acenaphthene (IS)	12.68	4.000	NG/UL	9352626	9568973 12.69
d10-phenanthrene (IS)	15.72	4.000	NG/UL	11772423	12664283 15.73
d12-chrysene (IS)	21.17	4.000	NG/UL	7071729	7967837 21.19
d12-perylene (IS)	23.88	4.000	NG/UL	7504350	8675564 23.90
d5-nitrobenzene (SS)	7.66	0.078	NG/UL	50133	
2-fluorobiphenyl (SS)	11.43	0.090	NG/UL	189158	
d14-terphenyl (SS)	19.18	0.090	NG/UL	119226	
d5-phenol (SS)			ND		
2-fluorophenol (SS)			ND		
2,4,6-tribromophenol (SS)			ND		
*^ phenol			ND		
bis-(2-chloroethyl)ether			ND		
^ 2-chlorophenol			ND		
1,3-dichlorobenzene			ND		
^ 1,4-dichlorobenzene			ND		
benzyl alcohol			ND		
1,2-dichlorobenzene			ND		
2-methylphenol			ND		
bis-(2-chloroisopropyl)eth			ND		
4-methylphenol			ND		
**^ n-nitroso-di-n-propylamine			ND		
hexachloroethane			ND		
nitrobenzene			ND		
isophorone			ND		
2-nitrophenol			ND		
2,4-dimethylphenol			ND		
benzoic acid			ND		
bis-(2-chloroethoxy)ether			ND		
* 2,4-dichlorophenol			ND		

SAMPLE QUANTITATION REPORT

DATAFILE : P10839 ANALYSIS DATE : 12/28/94 16:23
SAMPLE : 45227-8 SV185 1/100 DIL.
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration	Area	CCSTD Area / RT
^ 1,2,4-trichlorobenzene		ND		
naphthalene		ND		
4-chloroaniline		ND		
* hexachlorobutadiene		ND		
^ 4-chloro-3-methylphenol		ND		
2-methylnaphthalene		ND		
** hexachlorocyclopentadiene		ND		
* 2,4,6-trichlorophenol		ND		
2,4,5-trichlorophenol		ND		
2-chloronaphthalene		ND		
2-nitroaniline		ND		
dimethyl phthalate		ND		
acenaphthylene		ND		
2,6-dinitrotoluene		ND		
3-nitroaniline		ND		
* ^ acenaphthene		ND		
** 2,4-dinitrophenol		ND		
**^ 4-nitrophenol		ND		
dibenzofuran		ND		
^ 2,4-dinitrotoluene		ND		
diethylphthalate		ND		
4-chlorophenyl-phenyl-ethe		ND		
fluorene		ND		
4-nitroaniline		ND		
4,6-dinitro-2-methylphenol		ND		
* n-nitrosodiphenylamine		ND		
4-bromophenyl-phenyl-ether		ND		
hexachlorobenzene		ND		
*^ pentachlorophenol		ND		
phenanthrene		ND		
anthracene		ND		

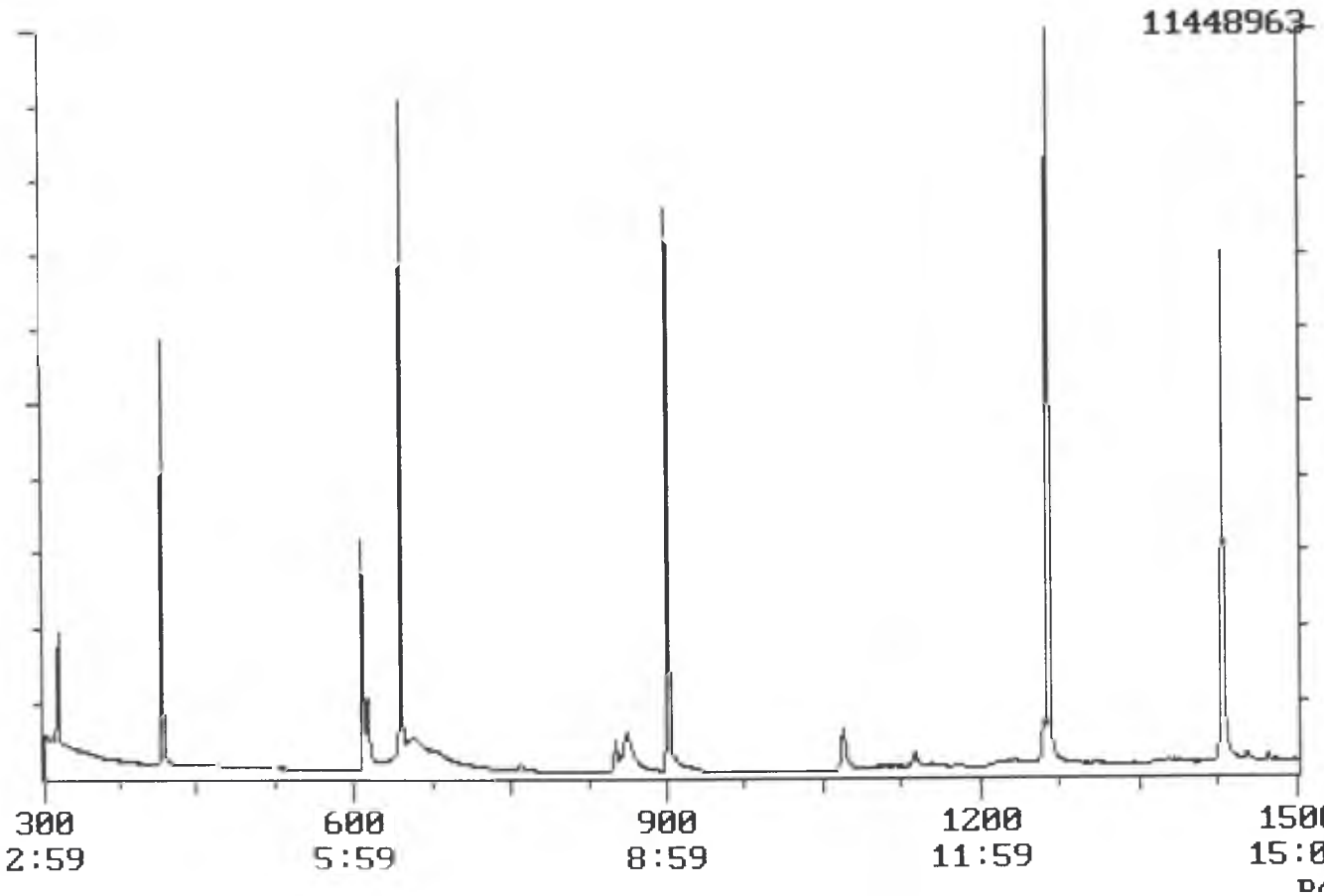
SAMPLE QUANTITATION REPORT

DATAFILE : P10839 ANALYSIS DATE : 12/28/94 16:23
SAMPLE : 45227-8 SV185 1/100 DIL.
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

	Compound name	RT	Concentration	Area	CCSTD Area / RT
	di-n-butylphthalate		ND		
*	fluoranthene		ND		
^	pyrene		ND		
	butylbenzylphthalate		ND		
	3,3'-dichlorobenzidine		ND		
	benzo(a)anthracene		ND		
	chrysene		ND		
	bis-(2-ethylhexyl)phthalat		ND		
*	di-n-octylphthalate		ND		
	benzo(b)fluoranthene		ND		
	benzo(k)fluoranthene		ND		
*	benzo(a)pyrene		ND		
	indeno(1,2,3-cd)pyrene		ND		
	dibenzo(a,h)anthracene		ND		
	benzo(g,h,i)perylene		ND		

SAMPLE CHROMATOGRAM

DATAFILE : P10978 ANALYSIS DATE : 01/12/95 17:07
SAMPLE : 45227-8 CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



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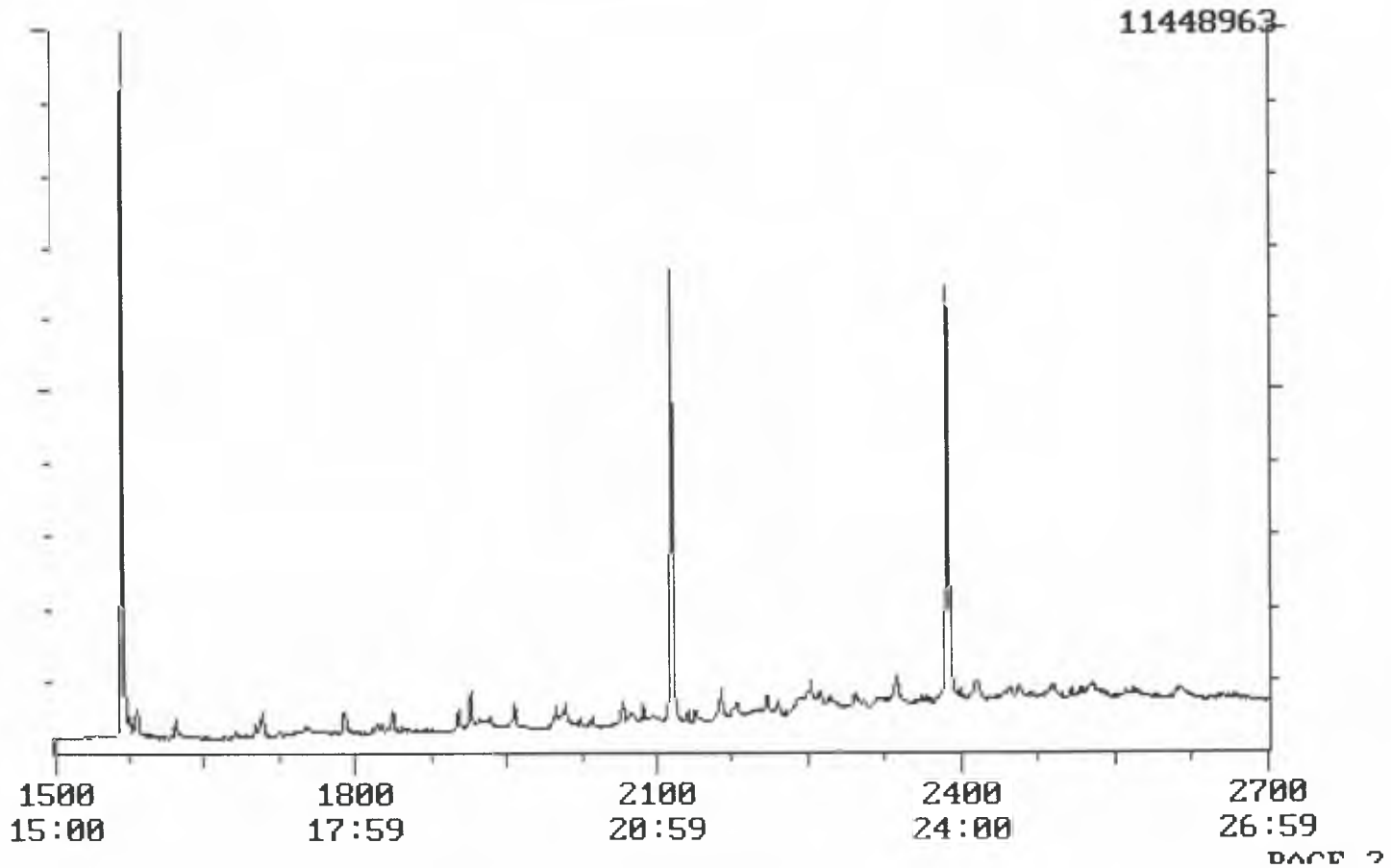
SAMPLE CHROMATOGRAM

DATAFILE : P10978 ANALYSIS DATE : 01/12/95 17:07
SAMPLE : 45227-8 CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



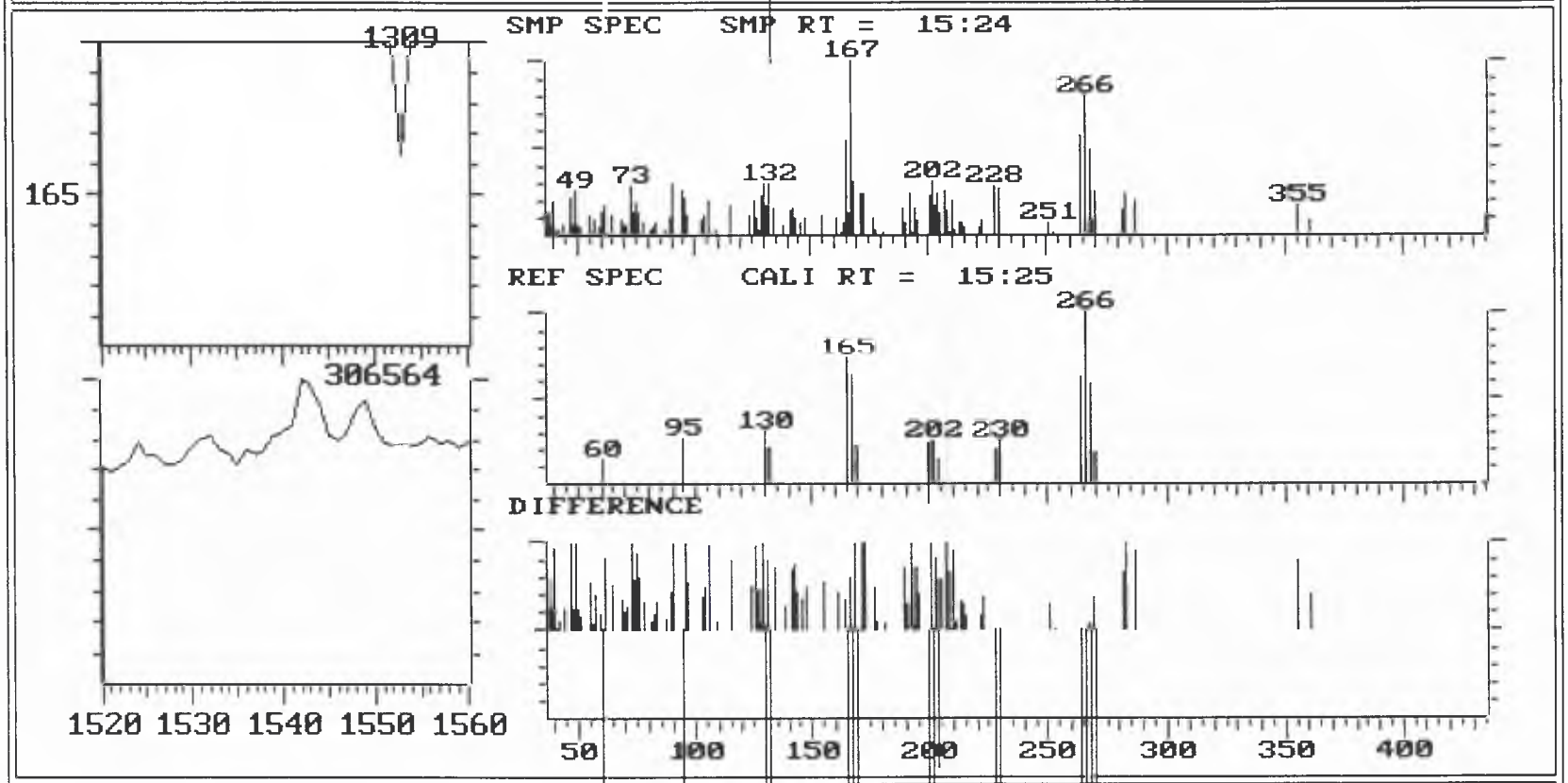
SAMPLE QUANTITATION REPORT

DATAFILE : P10978 ANALYSIS DATE : 01/12/95 17:07
SAMPLE : 45227-8 CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area / RT
d4-1,4-diClbenzene (IS)	6.45	4.000	NG/UL	4225614	4595924 6.46
d8-naphthalene (IS)	9.01	4.000	NG/UL	12471260	14821906 9.03
d8-acenaphthene (IS)	12.64	4.000	NG/UL	8722318	9809542 12.66
d10-phenanthrene (IS)	15.69	4.000	NG/UL	11749885	13888904 15.71
d12-chrysene (IS)	21.16	4.000	NG/UL	8209751	9629078 21.18
d12-perylene (IS)	23.87	4.000	NG/UL	7418473	10426872 23.90
d5-nitrobenzene (SS)	7.59	0.174	NG/UL	88241	
2-fluorobiphenyl (SS)	11.38	0.135	NG/UL	283347	
d14-terphenyl (SS)	19.14	0.246	NG/UL	342090	
d5-phenol (SS)	6.08	3.748	NG/UL	3168337	
2-fluorophenol (SS)	4.16	6.431	NG/UL	3907438	
2,4,6-tribromophenol (S	14.30	9.282	NG/UL	3102142	
*^ pentachlorophenol	15.40	0.063	NG/UL	32036	

SAMPLE QUANTITATION REPORT

DATAFILE : P10978 ANALYSIS DATE : 01/12/95 17:07
SAMPLE : 45227-8 CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



COMPOUND : *^ pentachlorophenol
AMOUNT : 0.063 NG/UL
FIT S/N : 870

INITIAL CALIBRATION DATA

Initial Calibration Report

INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner

12/21/94

HIT ANY KEY TO CONTINUE

							AVE	RSD
*^	phenol	1.278	1.193	1.039	0.739	0.666	0.983	27.6%
	bis-(2-chloroethyl	1.367	1.662	1.698	1.573	1.668	1.594	8.5%
^	2-chlorophenol	1.044	1.210	1.189	1.102	1.176	1.144	6.1%
	1,3-dichlorobenzen	1.133	1.345	1.300	1.262	1.214	1.251	6.5%
^	1,4-dichlorobenzene	1.168	1.359	1.440	1.374	1.470	1.362	8.6%
	benzyl alcohol	1.110	1.267	1.217	1.126	1.063	1.156	7.2%
	1,2-dichlorobenzen	1.241	1.360	1.411	1.194	1.223	1.286	7.4%
	2-methylphenol	0.591	0.617	0.565	0.484	0.455	0.543	12.8%
	bis-(2-chloroisopr	0.541	0.641	0.640	0.620	0.642	0.617	7.0%
	4-methylphenol	0.584	0.589	0.540	0.474	0.482	0.534	10.2%
**^	n-nitroso-di-n-pro	0.422	0.487	0.456	0.435	0.436	0.447	5.7%
	hexachloroethane	0.278	0.288	0.274	0.289	0.313	0.288	5.2%
	nitrobenzene	0.113	0.162	0.195	0.206	0.208	0.177	22.6%
	isophorone	0.298	0.323	0.342	0.313	0.345	0.324	6.0%
	2-nitrophenol	0.168	0.186	0.181	0.162	0.158	0.171	6.9%
	2,4-dimethylphenol	0.241	0.268	0.235	0.261	0.232	0.248	6.6%
	benzoic acid	0.097	0.084	0.059	0.043	0.034	0.063	42.1%
	bis-(2-chloroethox	0.118	0.152	0.144	0.138	0.183	0.147	16.2%
*	2,4-dichlorophenol	0.277	0.287	0.292	0.275	0.273	0.281	3.0%
^	1,2,4-trichloroben	0.318	0.368	0.384	0.355	0.353	0.356	6.9%
	naphthalene	0.853	0.927	0.972	0.954	0.976	0.936	5.4%
	4-chloroaniline	0.313	0.357	0.323	0.319	0.313	0.325	5.7%
*	hexachlorobutadien	0.120	0.144	0.145	0.139	0.131	0.136	7.8%
^	4-chloro-3-methylp	0.166	0.191	0.197	0.195	0.189	0.187	6.8%
	2-methylnaphthalen	0.511	0.602	0.627	0.648	0.631	0.604	9.0%
**	hexachlorocyclopen	0.235	0.247	0.235	0.199	0.206	0.225	9.2%
*	2,4,6-trichlorophe	0.180	0.181	0.169	0.147	0.136	0.163	12.4%
	2,4,5-trichlorophe	0.195	0.195	0.181	0.175	0.153	0.180	9.6%
	2-chloronaphthalen	0.964	0.973	1.010	0.935	1.049	0.986	4.5%
	2-nitroaniline	0.168	0.188	0.191	0.187	0.180	0.183	5.1%
	dimethyl phthalate	1.249	1.347	1.311	1.334	1.335	1.315	3.0%
	acenaphthylene	1.379	1.452	1.404	1.467	1.515	1.443	3.7%
	2,6-dinitrotoluene	0.283	0.273	0.279	0.263	0.263	0.272	3.3%
	3-nitroaniline	0.243	0.266	0.226	0.236	0.193	0.233	11.5%

Initial Calibration Report

INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner

12/21/94

HIT ANY KEY TO CONTINUE

						AVE	RSD
* ^ acenaphthene	0.952	0.942	0.903	0.854	0.876	0.905	4.6%
** 2,4-dinitrophenol	0.125	0.099	0.070	0.043	0.028	0.073	54.4%
**^ 4-nitrophenol	0.248	0.219	0.239	0.199	0.159	0.213	16.8%
dibenzofuran	1.172	1.252	1.222	1.255	1.267	1.234	3.1%
^ 2,4-dinitrotoluene	0.419	0.447	0.415	0.386	0.369	0.407	7.4%
diethylphthalate	1.036	1.067	1.108	1.157	1.240	1.122	7.2%
4-chlorophenyl-phe	0.325	0.335	0.324	0.328	0.315	0.326	2.2%
fluorene	0.877	0.950	0.959	0.974	0.914	0.935	4.2%
4-nitroaniline	0.241	0.242	0.221	0.201	0.184	0.218	11.6%
4,6-dinitro-2-meth	0.053	0.052	0.038	0.021	0.016	0.036	47.5%
* n-nitrosodiphenyla	0.413	0.413	0.409	0.394	0.422	0.410	2.6%
4-bromophenyl-phen	0.294	0.284	0.229	0.193	0.182	0.236	21.7%
hexachlorobenzene	0.660	0.740	0.702	0.654	0.683	0.688	5.0%
*^ pentachlorophenol	0.161	0.170	0.137	0.103	0.083	0.131	28.5%
phenanthrene	0.928	0.987	0.993	1.001	1.062	0.994	4.8%
anthracene	0.953	1.050	1.058	0.929	0.976	0.993	5.8%
di-n-butylphthalat	0.982	1.214	1.391	1.356	1.473	1.283	15.0%
* fluoranthene	0.501	0.587	0.597	0.563	0.583	0.566	6.8%
^ pyrene	0.945	1.000	0.973	0.918	0.948	0.957	3.2%
butylbenzylphthala	1.010	1.127	1.152	1.086	1.091	1.093	4.9%
3,3'-dichlorobenzi	0.574	0.499	0.377	0.384	0.360	0.439	21.2%
benzo(a)anthracene	1.081	1.039	0.990	0.867	0.851	0.966	10.6%
chrysene	0.807	0.885	0.936	0.847	0.861	0.867	5.5%
bis-(2-ethylhexyl)	1.395	1.555	1.625	1.594	1.634	1.561	6.3%
* di-n-octylphthalat	1.706	2.172	2.380	2.290	2.287	2.167	12.4%
benzo(b)fluoranthe	0.822	0.882	0.855	0.819	0.842	0.844	3.0%
benzo(k)fluoranthe	0.901	0.941	0.991	0.902	0.933	0.934	3.9%
* benzo(a)pyrene	0.785	0.828	0.795	0.733	0.705	0.769	6.4%
indeno(1,2,3-cd)py	0.715	0.748	0.732	0.667	0.618	0.696	7.6%
dibenzo(a,h)anthra	0.779	0.859	0.825	0.793	0.756	0.802	5.0%
benzo(g,h,i)peryle	0.806	0.872	0.833	0.796	0.734	0.808	6.3%
N-nitrosodimethlyamine	0.388	0.451	0.496	0.472	0.435	0.448	9.1%
pyridine	0.624	0.736	0.695	0.502	0.470	0.606	19.2%
1,2-diphenylhydrazine	0.431	0.527	0.598	0.615	0.612	0.557	14.1%

Initial Calibration Report

INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner

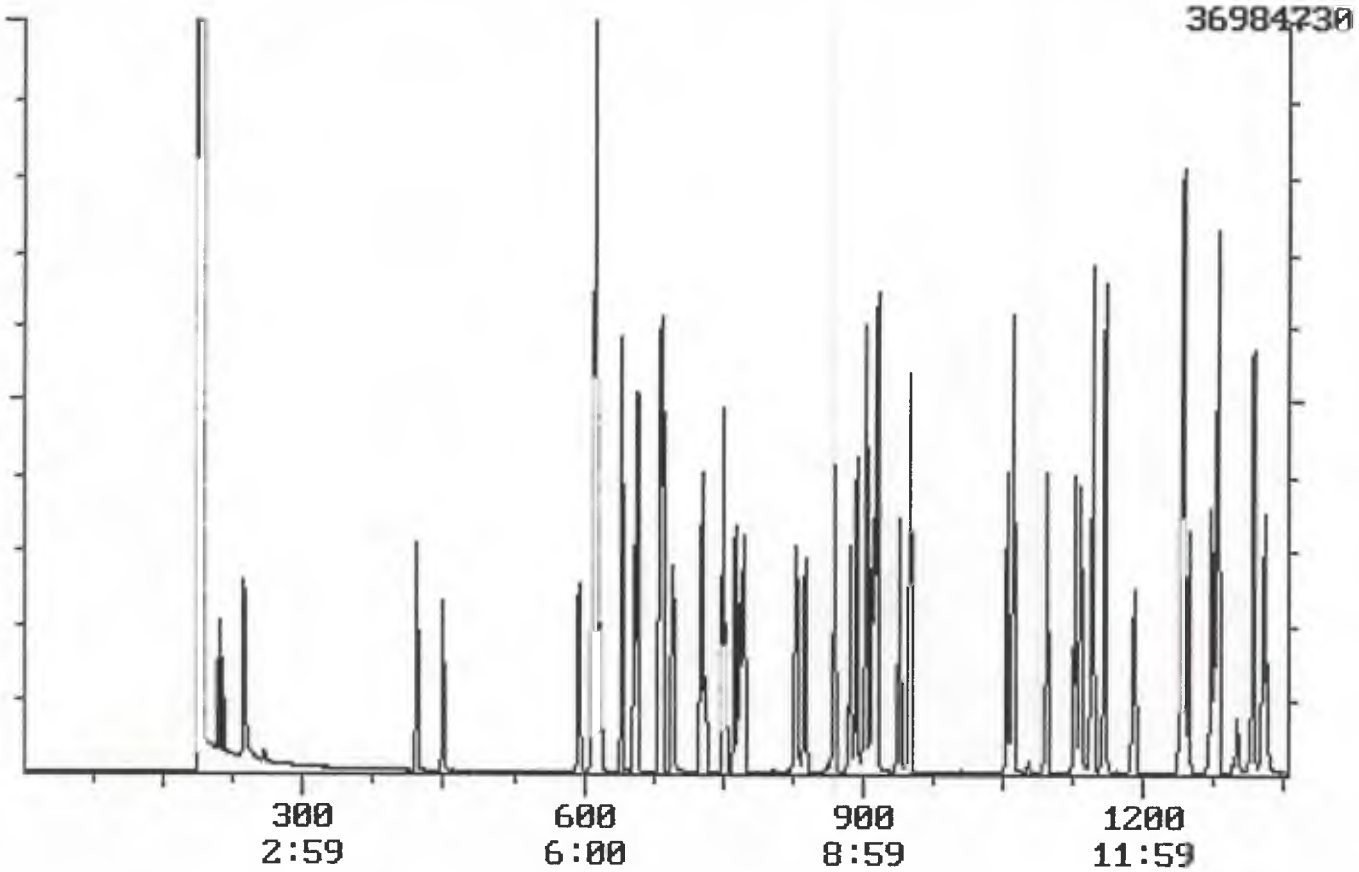
12/21/94

HIT ANY KEY TO CONTINUE

						AVE	RSD
carbazole	0.764	0.850	0.871	0.828	0.843	0.831	4.9%
Benzidine	0.715	0.638	0.749	0.412	0.306	0.564	34.6%
Cyclohexanone	0.244	0.306	0.312	0.308	0.296	0.293	9.5%
P-tert-butyl phenol	no data					0.0	0.0%
2,3,4,6-Tetrachloropheno	data					0.0	0.0%

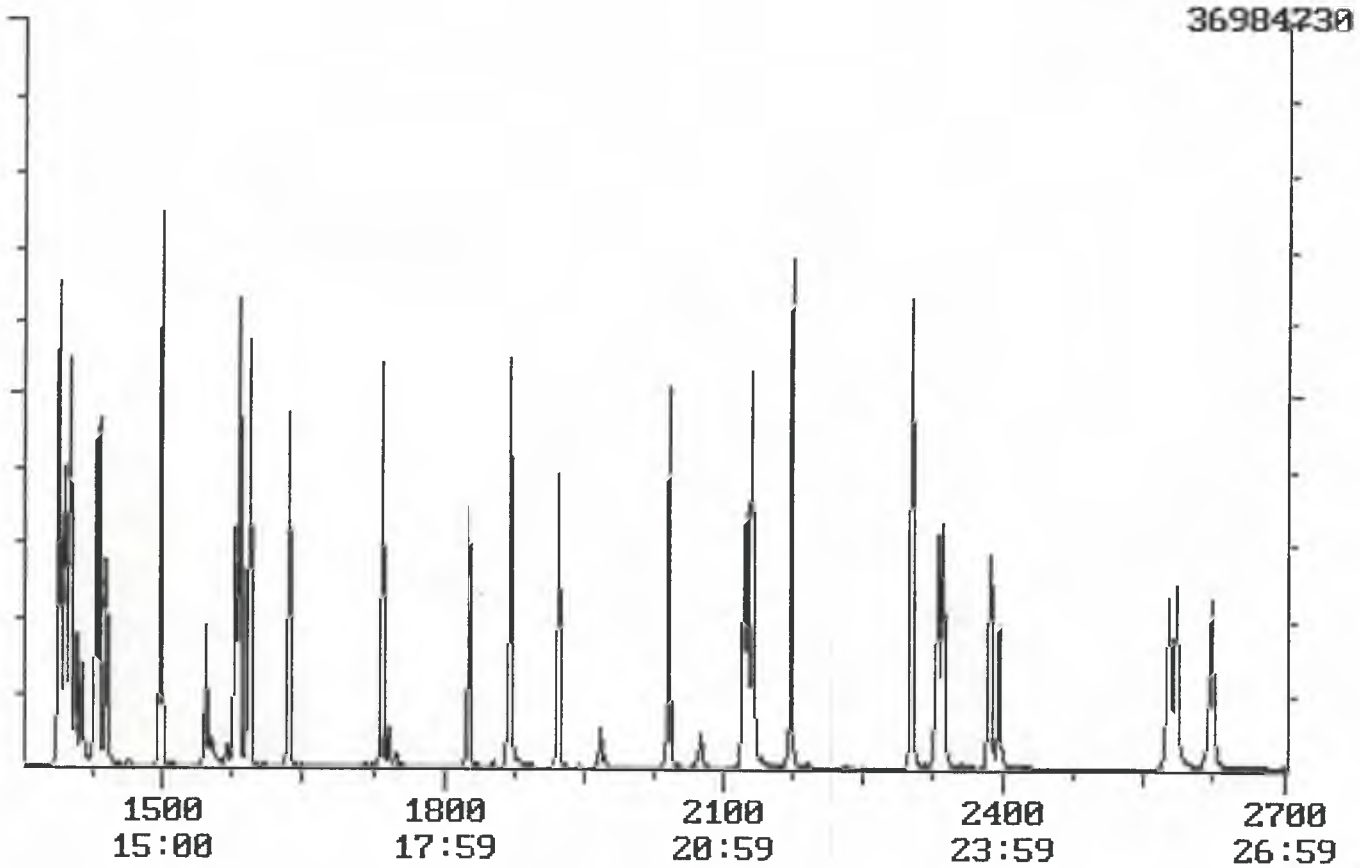
CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10771 ANALYSIS DATE : 12/21/94 14:06
SAMPLE : 10.0 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10771 ANALYSIS DATE : 12/21/94 14:06
SAMPLE : 10.0 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



CALIBRATION STANDARD REPORT

DATAFILE : P10771 ANALYSIS DATE : 12/21/94 14:06
SAMPLE : 10.0 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	d4-1,4-diClbenzene	6.54	4.000 NG/UL	5287424	5287424	1.000
	d8-naphthalene (I	9.11	4.000 NG/UL	17119926	17119926	1.000
	d8-acenaphthene (I	12.73	4.000 NG/UL	9641969	9641969	1.000
	d10-phenanthrene	15.78	4.000 NG/UL	14195379	14195379	1.000
	d12-chrysene (IS)	21.25	4.000 NG/UL	7536629	7536629	1.000
	d12-perylene (IS)	23.96	4.000 NG/UL	8612365	8612365	1.000
	d5-nitrobenzene (S	7.69	10.00 NG/UL	5660906	17119926	0.132
	2-fluorobiphenyl (	11.47	10.00 NG/UL	23588498	9641969	0.979
	d14-terphenyl (SS)	19.23	10.00 NG/UL	15324051	7536629	0.813
	d5-phenol (SS)	6.10	10.00 NG/UL	14032717	5287424	1.062
	2-fluorophenol (SS	4.22	10.00 NG/UL	9553041	5287424	0.723
	2,4,6-tribromophen	14.39	10.00 NG/UL	4290142	9641969	0.178
*^	phenol	6.12	10.00 NG/UL	16894599	5287424	1.278
	bis-(2-chloroethyl	6.15	10.00 NG/UL	18076228	5287424	1.367
^	2-chlorophenol	6.15	10.00 NG/UL	13795837	5287424	1.044
	1,3-dichlorobenzen	6.41	10.00 NG/UL	14973054	5287424	1.133
^	1,4-dichlorobenzene	6.57	10.00 NG/UL	15445703	5287424	1.168
	benzyl alcohol	7.28	10.00 NG/UL	14670075	5287424	1.110
	1,2-dichlorobenzen	6.85	10.00 NG/UL	16401332	5287424	1.241
	2-methylphenol	7.28	10.00 NG/UL	7813187	5287424	0.591
	bis-(2-chloroisopr	7.25	10.00 NG/UL	7156638	5287424	0.541
	4-methylphenol	7.64	10.00 NG/UL	7720067	5287424	0.584
**^	n-nitroso-di-n-pro	7.54	10.00 NG/UL	5583775	5287424	0.422
	hexachloroethane	7.51	10.00 NG/UL	3677407	5287424	0.278
	nitrobenzene	7.73	10.00 NG/UL	4846364	17119926	0.113
	isophorone	8.29	10.00 NG/UL	12767629	17119926	0.298
	2-nitrophenol	8.39	10.00 NG/UL	7179997	17119926	0.168
	2,4-dimethylphenol	8.70	10.00 NG/UL	10321306	17119926	0.241
	benzoic acid	9.14	10.00 NG/UL	4140708	17119926	0.097
	bis-(2-chloroethox	8.87	10.00 NG/UL	5049073	17119926	0.118
*	2,4-dichlorophenol	8.94	10.00 NG/UL	11857592	17119926	0.277

CALIBRATION STANDARD REPORT

DATAFILE : P10771 ANALYSIS DATE : 12/21/94 14:06
SAMPLE : 10.0 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
^	1,2,4-trichloroben	9.04	10.00 NG/UL	13595064	17119926	0.318
	naphthalene	9.16	10.00 NG/UL	36507021	17119926	0.853
	4-chloroaniline	9.39	10.00 NG/UL	13406051	17119926	0.313
*	hexachlorobutadien	9.51	10.00 NG/UL	5125502	17119926	0.120
^	4-chloro-3-methylp	10.55	10.00 NG/UL	7087287	17119926	0.166
	2-methylnaphthalen	10.61	10.00 NG/UL	21874642	17119926	0.511
**	hexachlorocyclopen	10.97	10.00 NG/UL	5671994	9641969	0.235
*	2,4,6-trichlorophe	11.28	10.00 NG/UL	4336829	9641969	0.180
	2,4,5-trichlorophe	11.34	10.00 NG/UL	4695011	9641969	0.195
	2-chloronaphthalen	11.60	10.00 NG/UL	23245274	9641969	0.964
	2-nitroaniline	11.91	10.00 NG/UL	4042840	9641969	0.168
	dimethyl phthalate	12.43	10.00 NG/UL	30112537	9641969	1.249
	acenaphthylene	12.42	10.00 NG/UL	33235235	9641969	1.379
	2,6-dinitrotoluene	12.49	10.00 NG/UL	6824216	9641969	0.283
	3-nitroaniline	12.79	10.00 NG/UL	5850071	9641969	0.243
* ^	acenaphthene	12.80	10.00 NG/UL	22942393	9641969	0.952
**	2,4-dinitrophenol	13.01	10.00 NG/UL	3024076	9641969	0.125
**^	4-nitrophenol	13.32	10.00 NG/UL	5982185	9641969	0.248
	dibenzofuran	13.18	10.00 NG/UL	28247050	9641969	1.172
^	2,4-dinitrotoluene	13.29	10.00 NG/UL	10108275	9641969	0.419
	diethylphthalate	13.94	10.00 NG/UL	24981082	9641969	1.036
	4-chlorophenyl-phe	14.00	10.00 NG/UL	7839814	9641969	0.325
	fluorene	13.88	10.00 NG/UL	21134161	9641969	0.877
	4-nitroaniline	14.07	10.00 NG/UL	5817862	9641969	0.241
	4,6-dinitro-2-meth	14.12	10.00 NG/UL	1893219	14195379	0.053
*	n-nitrosodiphenyla	14.27	10.00 NG/UL	14661201	14195379	0.413
	4-bromophenyl-phen	14.98	10.00 NG/UL	10422003	14195379	0.294
	hexachlorobenzene	14.98	10.00 NG/UL	23428516	14195379	0.660
*^	pentachlorophenol	15.46	10.00 NG/UL	5726502	14195379	0.161
	phenanthrene	15.83	10.00 NG/UL	32939522	14195379	0.928
	anthracene	15.93	10.00 NG/UL	33809014	14195379	0.953

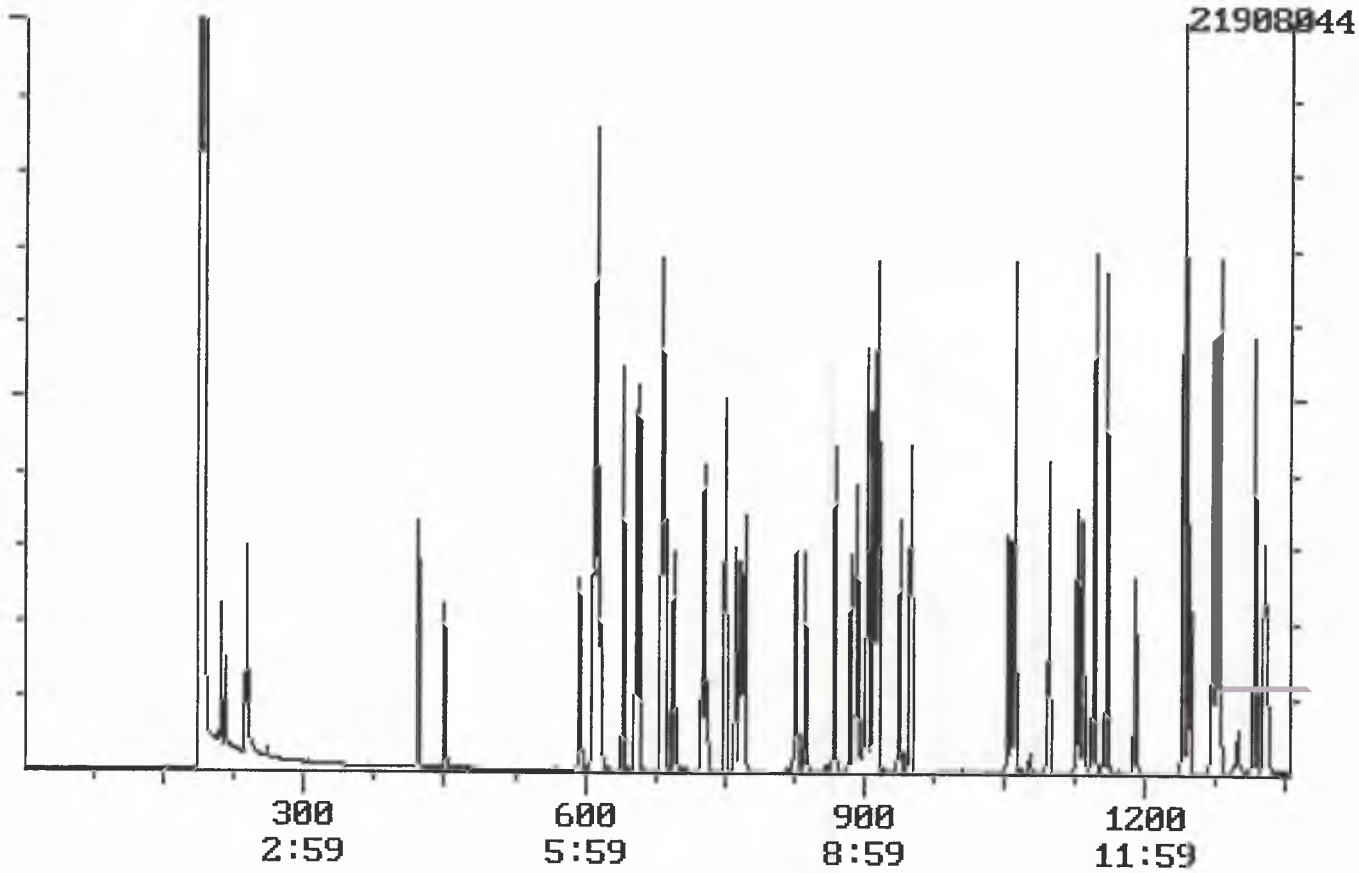
CALIBRATION STANDARD REPORT

DATAFILE : P10771 ANALYSIS DATE : 12/21/94 14:06
SAMPLE : 10.0 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	di-n-butylphthalat	17.35	10.00 NG/UL	34842567	14195379	0.982
*	fluoranthene	18.27	10.00 NG/UL	17796164	14195379	0.501
^	pyrene	18.71	10.00 NG/UL	17805782	7536629	0.945
	butylbenzylphthala	20.42	10.00 NG/UL	19029879	7536629	1.010
	3,3'-dichlorobenzi	21.32	10.00 NG/UL	10807534	7536629	0.574
	benzo(a)anthracene	21.23	10.00 NG/UL	20365576	7536629	1.081
	chrysene	21.30	10.00 NG/UL	15197963	7536629	0.807
	bis-(2-ethylhexyl)	21.74	10.00 NG/UL	26282072	7536629	1.395
*	di-n-octylphthalat	23.03	10.00 NG/UL	36724021	8612365	1.706
	benzo(b)fluoranthe	23.31	10.00 NG/UL	17707289	8612365	0.822
	benzo(k)fluoranthe	23.36	10.00 NG/UL	19403394	8612365	0.901
*	benzo(a)pyrene	23.86	10.00 NG/UL	16899448	8612365	0.785
	indeno(1,2,3-cd)py	25.77	10.00 NG/UL	15402038	8612365	0.715
	dibenzo(a,h)anthra	25.85	10.00 NG/UL	16766589	8612365	0.779
	benzo(g,h,i)peryle	26.24	10.00 NG/UL	17351562	8612365	0.806
N-nitrosodimethlyamine		2.36	10.00 NG/UL	5129155	5287424	0.388
pyridine		2.36	10.00 NG/UL	8247088	5287424	0.624
1,2-diphenylhydrazine		14.32	10.00 NG/UL	15313178	14195379	0.431
carbazole		16.36	10.00 NG/UL	27105460	14195379	0.764
Benzidine		18.71	10.00 NG/UL	13480108	7536629	0.715
Cyclohexanone		4.50	10.00 NG/UL	3231021	5287424	0.244

CALIBRATION STANDARD CHROMATOGRAM

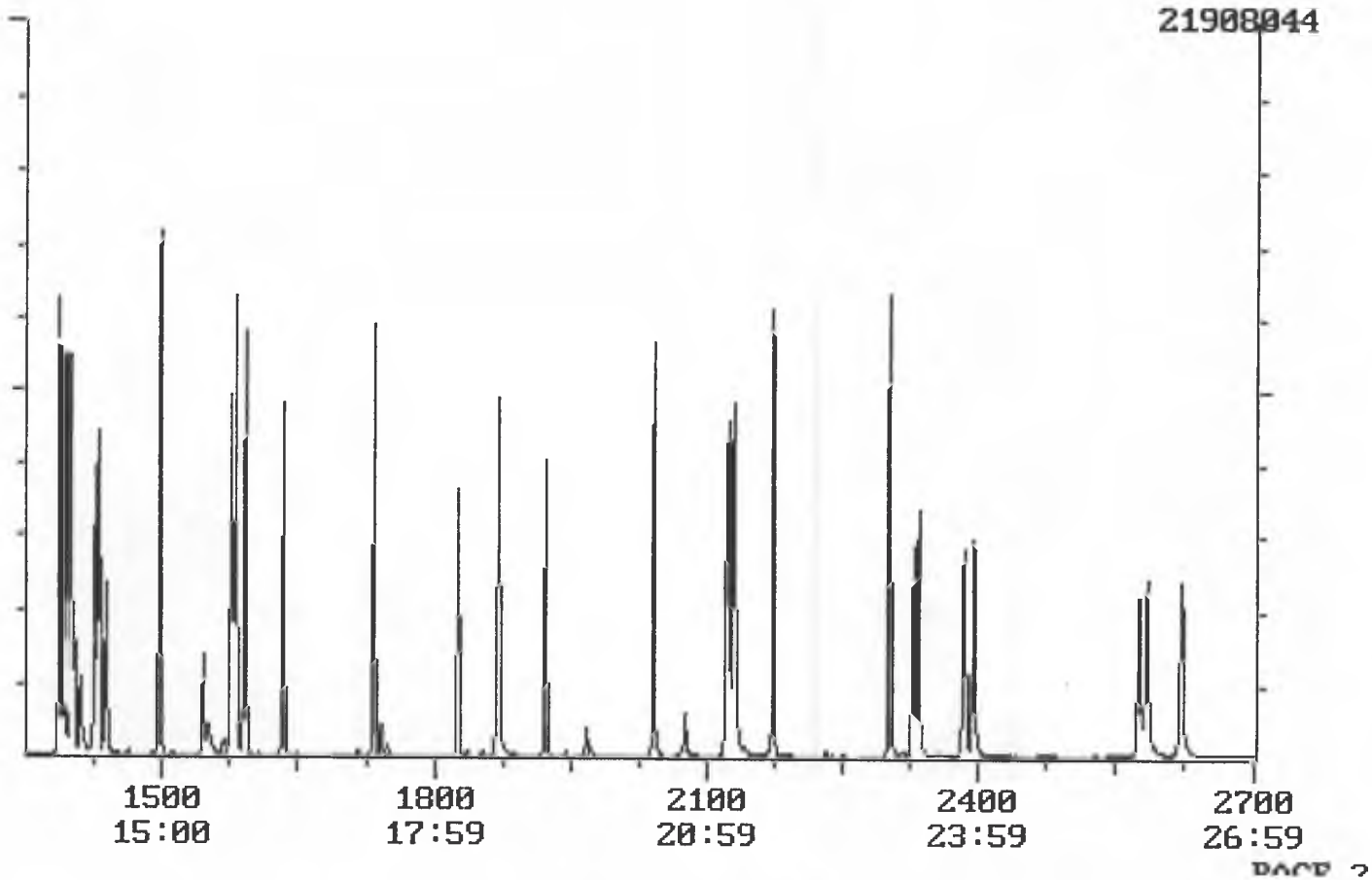
DATAFILE : P10772 ANALYSIS DATE : 12/21/94 14:43
SAMPLE : 5.0 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



PAGE 1

CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10772 ANALYSIS DATE : 12/21/94 14:43
SAMPLE : 5.0 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



CALIBRATION STANDARD REPORT

DATAFILE : P10772 ANALYSIS DATE : 12/21/94 14:43
SAMPLE : 5.0 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

Compound name	Ret. Time	Amount	Area	I.S. Area	RF
d4-1,4-diClbenzene	6.54	4.000 NG/UL	4755767	4755767	1.000
d8-naphthalene (I	9.11	4.000 NG/UL	15111397	15111397	1.000
d8-acenaphthene (I	12.73	4.000 NG/UL	9197448	9197448	1.000
d10-phenanthrene	15.77	4.000 NG/UL	12364427	12364427	1.000
d12-chrysene (IS)	21.24	4.000 NG/UL	7172256	7172256	1.000
d12-perylene (IS)	23.95	4.000 NG/UL	7704071	7704071	1.000
d5-nitrobenzene (S	7.68	5.000 NG/UL	3249010	15111397	0.172
2-fluorobiphenyl (	11.46	5.000 NG/UL	12012640	9197448	1.045
d14-terphenyl (SS)	19.23	5.000 NG/UL	7376897	7172256	0.823
d5-phenol (SS)	6.09	5.000 NG/UL	5284295	4755767	0.889
2-fluorophenol (SS	4.22	5.000 NG/UL	4515174	4755767	0.760
2,4,6-tribromophen	14.38	5.000 NG/UL	1950015	9197448	0.170
*^ phenol	6.11	5.000 NG/UL	7091600	4755767	1.193
bis-(2-chloroethyl	6.17	5.000 NG/UL	9878908	4755767	1.662
^ 2-chlorophenol	6.15	5.000 NG/UL	7194739	4755767	1.210
1,3-dichlorobenzen	6.41	5.000 NG/UL	7993475	4755767	1.345
^ 1,4-dichlorobenzene	6.57	5.000 NG/UL	8077515	4755767	1.359
benzyl alcohol	7.28	5.000 NG/UL	7530751	4755767	1.267
1,2-dichlorobenzen	6.85	5.000 NG/UL	8086221	4755767	1.360
2-methylphenol	7.28	5.000 NG/UL	3668663	4755767	0.617
bis-(2-chloroisopr	7.25	5.000 NG/UL	3811311	4755767	0.641
4-methylphenol	7.62	5.000 NG/UL	3503501	4755767	0.589
**^ n-nitroso-di-n-pro	7.52	5.000 NG/UL	2896036	4755767	0.487
hexachloroethane	7.50	5.000 NG/UL	1710249	4755767	0.288
nitrobenzene	7.72	5.000 NG/UL	3062242	15111397	0.162
isophorone	8.28	5.000 NG/UL	6091861	15111397	0.323
2-nitrophenol	8.38	5.000 NG/UL	3505681	15111397	0.186
2,4-dimethylphenol	8.69	5.000 NG/UL	5071153	15111397	0.268
benzoic acid	9.04	5.000 NG/UL	1594988	15111397	0.084
bis-(2-chloroethox	8.86	5.000 NG/UL	2863419	15111397	0.152
* 2,4-dichlorophenol	8.92	5.000 NG/UL	5423405	15111397	0.287

CALIBRATION STANDARD REPORT

DATAFILE : P10772 ANALYSIS DATE : 12/21/94 14:43
SAMPLE : 5.0 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
^	1,2,4-trichloroben	9.03	5.000 NG/UL	6953412	15111397	0.368
	naphthalene	9.15	5.000 NG/UL	17505212	15111397	0.927
	4-chloroaniline	9.38	5.000 NG/UL	6745444	15111397	0.357
*	hexachlorobutadien	9.50	5.000 NG/UL	2714372	15111397	0.144
^	4-chloro-3-methylp	10.54	5.000 NG/UL	3614956	15111397	0.191
	2-methylnaphthalen	10.61	5.000 NG/UL	11371747	15111397	0.602
**	hexachlorocyclopen	10.97	5.000 NG/UL	2842089	9197448	0.247
*	2,4,6-trichlorophe	11.27	5.000 NG/UL	2083877	9197448	0.181
	2,4,5-trichlorophe	11.33	5.000 NG/UL	2245244	9197448	0.195
	2-chloronaphthalen	11.59	5.000 NG/UL	11181261	9197448	0.973
	2-nitroaniline	11.90	5.000 NG/UL	2161641	9197448	0.188
	dimethyl phthalate	12.42	5.000 NG/UL	15485033	9197448	1.347
	acenaphthylene	12.42	5.000 NG/UL	16692130	9197448	1.452
	2,6-dinitrotoluene	12.48	5.000 NG/UL	3139983	9197448	0.273
	3-nitroaniline	12.77	5.000 NG/UL	3060094	9197448	0.266
* ^	acenaphthene	12.79	5.000 NG/UL	10825920	9197448	0.942
**	2,4-dinitrophenol	12.99	5.000 NG/UL	1142556	9197448	0.099
**^	4-nitrophenol	13.31	5.000 NG/UL	2521477	9197448	0.219
	dibenzofuran	13.17	5.000 NG/UL	14396588	9197448	1.252
^	2,4-dinitrotoluene	13.27	5.000 NG/UL	5136759	9197448	0.447
	diethylphthalate	13.93	5.000 NG/UL	12266708	9197448	1.067
	4-chlorophenyl-phe	13.99	5.000 NG/UL	3856226	9197448	0.335
	fluorene	13.87	5.000 NG/UL	10922591	9197448	0.950
	4-nitroaniline	14.03	5.000 NG/UL	2783181	9197448	0.242
	4,6-dinitro-2-meth	14.10	5.000 NG/UL	796710	12364427	0.052
*	n-nitrosodiphenyla	14.26	5.000 NG/UL	6380553	12364427	0.413
	4-bromophenyl-phen	14.98	5.000 NG/UL	4395359	12364427	0.284
	hexachlorobenzene	14.98	5.000 NG/UL	11430427	12364427	0.740
*^	pentachlorophenol	15.45	5.000 NG/UL	2620125	12364427	0.170
	phenanthrene	15.82	5.000 NG/UL	15255730	12364427	0.987
	anthracene	15.92	5.000 NG/UL	16227045	12364427	1.050

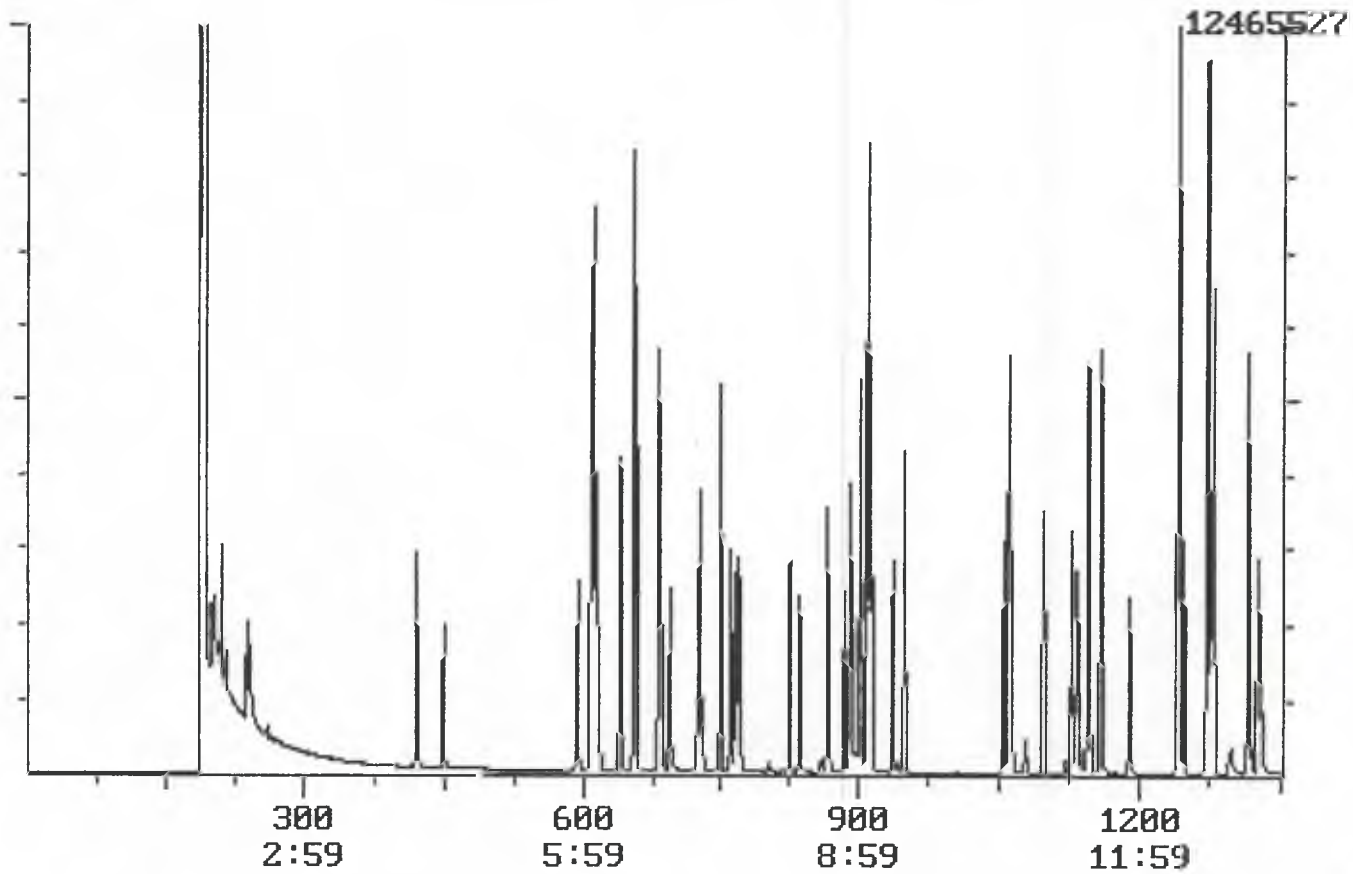
CALIBRATION STANDARD REPORT

DATAFILE : P10772 ANALYSIS DATE : 12/21/94 14:43
SAMPLE : 5.0 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	di-n-butylphthalat	17.35	5.000 NG/UL	18760891	12364427	1.214
*	fluoranthene	18.26	5.000 NG/UL	9068655	12364427	0.587
^	pyrene	18.70	5.000 NG/UL	8966509	7172256	1.000
	butylbenzylphthala	20.41	5.000 NG/UL	10105827	7172256	1.127
	3,3'-dichlorobenzi	21.31	5.000 NG/UL	4470305	7172256	0.499
	benzo(a)anthracene	21.23	5.000 NG/UL	9317299	7172256	1.039
	chrysene	21.29	5.000 NG/UL	7931188	7172256	0.885
	bis-(2-ethylhexyl)	21.73	5.000 NG/UL	13944279	7172256	1.555
*	di-n-octylphthalat	23.02	5.000 NG/UL	20913348	7704071	2.172
	benzo(b)fluoranthe	23.29	5.000 NG/UL	8489850	7704071	0.882
	benzo(k)fluoranthe	23.35	5.000 NG/UL	9060784	7704071	0.941
*	benzo(a)pyrene	23.85	5.000 NG/UL	7969032	7704071	0.828
	indeno(1,2,3-cd)py	25.76	5.000 NG/UL	7202235	7704071	0.748
	dibenzo(a,h)anthra	25.84	5.000 NG/UL	8272822	7704071	0.859
	benzo(g,h,i)peryle	26.22	5.000 NG/UL	8397036	7704071	0.872
	N-nitrosodimethlyamine	2.36	5.000 NG/UL	2678567	4755767	0.451
	pyridine	2.38	5.000 NG/UL	4376406	4755767	0.736
	1,2-diphenylhydrazine	14.30	5.000 NG/UL	8148589	12364427	0.527
	carbazole	16.35	5.000 NG/UL	13139499	12364427	0.850
	Benzidine	18.70	5.000 NG/UL	5718172	7172256	0.638
	Cyclohexanone	4.50	5.000 NG/UL	1821543	4755767	0.306

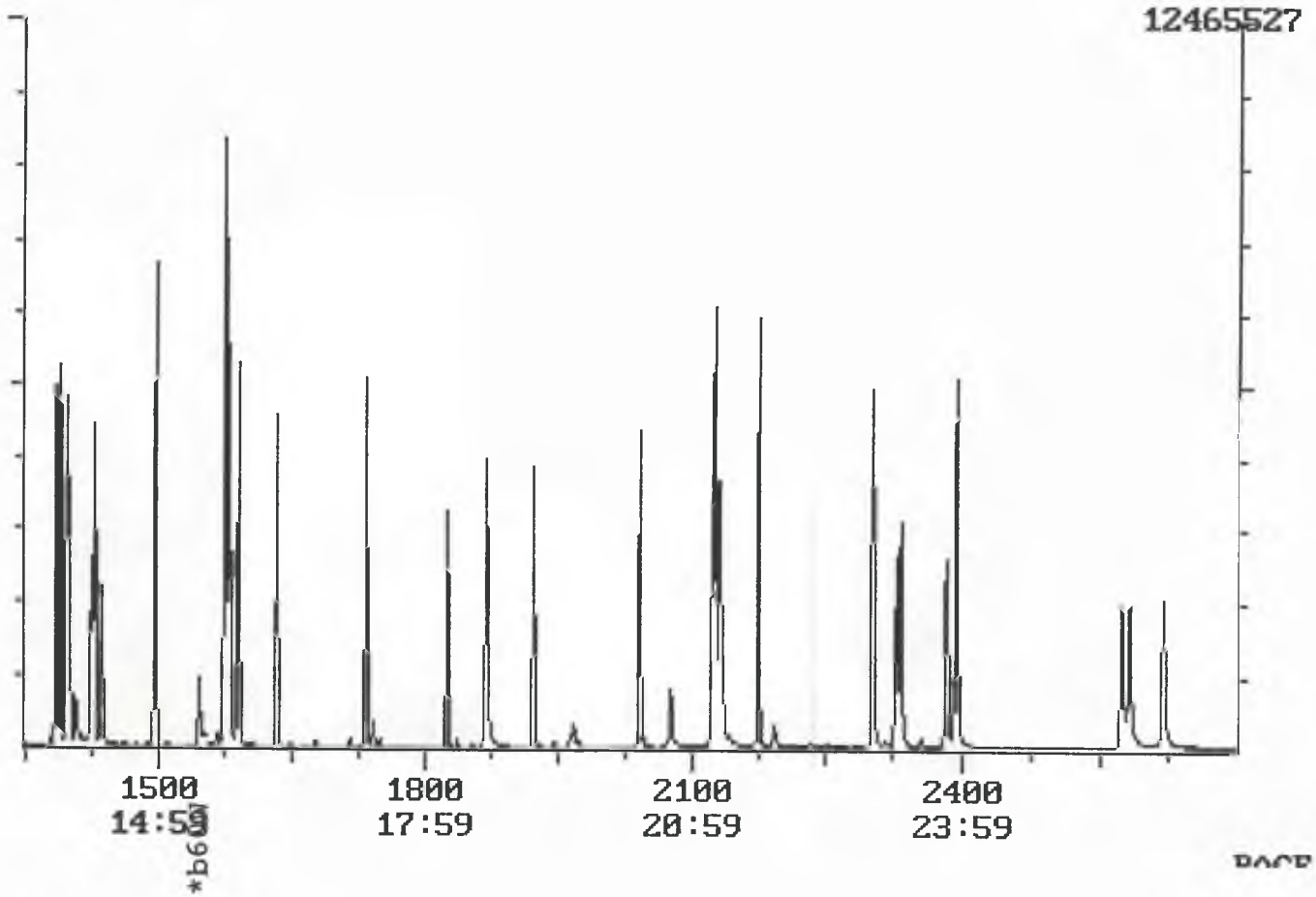
CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10773 ANALYSIS DATE : 12/21/94 15:20
SAMPLE : 2.5 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10773 ANALYSIS DATE : 12/21/94 15:20
SAMPLE : 2.5 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



CALIBRATION STANDARD REPORT

DATAFILE : P10773
SAMPLE : 2.5 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis
ANALYSIS DATE : 12/21/94 15:20

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	d4-1,4-diClbenzene	6.54	4.000 NG/UL	4582835	4582835	1.000
	d8-naphthalene (I	9.10	4.000 NG/UL	13897224	13897224	1.000
	d8-acenaphthene (I	12.72	4.000 NG/UL	9033309	9033309	1.000
	d10-phenanthrene	15.77	4.000 NG/UL	11474871	11474871	1.000
	d12-chrysene (IS)	21.24	4.000 NG/UL	6898807	6898807	1.000
	d12-perylene (IS)	23.95	4.000 NG/UL	7199372	7199372	1.000
	d5-nitrobenzene (S	7.68	2.500 NG/UL	1765734	13897224	0.203
	2-fluorobiphenyl (	11.45	2.500 NG/UL	5879621	9033309	1.041
	d14-terphenyl (SS)	19.22	2.500 NG/UL	3467577	6898807	0.804
	d5-phenol (SS)	6.08	2.500 NG/UL	2167303	4582835	0.757
	2-fluorophenol (SS	4.22	2.500 NG/UL	1824739	4582835	0.637
	2,4,6-tribromophen	14.37	2.500 NG/UL	876950	9033309	0.155
*^	phenol	6.10	2.500 NG/UL	2976616	4582835	1.039
	bis-(2-chloroethyl	6.17	2.500 NG/UL	4863485	4582835	1.698
^	2-chlorophenol	6.14	2.500 NG/UL	3405674	4582835	1.189
	1,3-dichlorobenzen	6.40	2.500 NG/UL	3723108	4582835	1.300
^	1,4-dichlorobenzene	6.57	2.500 NG/UL	4124342	4582835	1.440
	benzyl alcohol	7.27	2.500 NG/UL	3485587	4582835	1.217
	1,2-dichlorobenzen	6.84	2.500 NG/UL	4042895	4582835	1.411
	2-methylphenol	7.27	2.500 NG/UL	1617553	4582835	0.565
	bis-(2-chloroisopr	7.27	2.500 NG/UL	1831702	4582835	0.640
	4-methylphenol	7.62	2.500 NG/UL	1547776	4582835	0.540
**^	n-nitroso-di-n-pro	7.51	2.500 NG/UL	1307505	4582835	0.456
	hexachloroethane	7.50	2.500 NG/UL	786222	4582835	0.274
	nitrobenzene	7.71	2.500 NG/UL	1691466	13897224	0.195
	isophorone	8.27	2.500 NG/UL	2971998	13897224	0.342
	2-nitrophenol	8.37	2.500 NG/UL	1569609	13897224	0.181
	2,4-dimethylphenol	8.68	2.500 NG/UL	2045239	13897224	0.235
	benzoic acid	8.98	2.500 NG/UL	515796	13897224	0.059
	bis-(2-chloroethox	8.92	2.500 NG/UL	1255018	13897224	0.144
*	2,4-dichlorophenol	8.92	2.500 NG/UL	2536815	13897224	0.292

CALIBRATION STANDARD REPORT

DATAFILE : P10773 ANALYSIS DATE : 12/21/94 15:20
SAMPLE : 2.5 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
^	1,2,4-trichloroben	9.03	2.500 NG/UL	3335164	13897224	0.384
	naphthalene	9.14	2.500 NG/UL	8442529	13897224	0.972
	4-chloroaniline	9.38	2.500 NG/UL	2809039	13897224	0.323
*	hexachlorobutadien	9.50	2.500 NG/UL	1260194	13897224	0.145
^	4-chloro-3-methylp	10.54	2.500 NG/UL	1712703	13897224	0.197
	2-methylnaphthalen	10.60	2.500 NG/UL	5441681	13897224	0.627
**	hexachlorocyclopen	10.97	2.500 NG/UL	1326473	9033309	0.235
*	2,4,6-trichlorophe	11.27	2.500 NG/UL	954321	9033309	0.169
	2,4,5-trichlorophe	11.33	2.500 NG/UL	1023383	9033309	0.181
	2-chloronaphthalen	11.58	2.500 NG/UL	5699662	9033309	1.010
	2-nitroaniline	11.89	2.500 NG/UL	1079485	9033309	0.191
	dimethyl phthalate	12.41	2.500 NG/UL	7401530	9033309	1.311
	acenaphthylene	12.41	2.500 NG/UL	7926487	9033309	1.404
	2,6-dinitrotoluene	12.47	2.500 NG/UL	1575243	9033309	0.279
	3-nitroaniline	12.76	2.500 NG/UL	1274250	9033309	0.226
* ^	acenaphthene	12.79	2.500 NG/UL	5100022	9033309	0.903
**	2,4-dinitrophenol	12.98	2.500 NG/UL	395454	9033309	0.070
**^	4-nitrophenol	13.30	2.500 NG/UL	1350952	9033309	0.239
	dibenzofuran	13.16	2.500 NG/UL	6897272	9033309	1.222
^	2,4-dinitrotoluene	13.27	2.500 NG/UL	2343673	9033309	0.415
	diethylphthalate	13.91	2.500 NG/UL	6256259	9033309	1.108
	4-chlorophenyl-phe	13.99	2.500 NG/UL	1829703	9033309	0.324
	fluorene	13.86	2.500 NG/UL	5414425	9033309	0.959
	4-nitroaniline	14.01	2.500 NG/UL	1245774	9033309	0.221
	4,6-dinitro-2-meth	14.08	2.500 NG/UL	273075	11474871	0.038
*	n-nitrosodiphenyla	14.25	2.500 NG/UL	2932450	11474871	0.409
	4-bromophenyl-phen	14.97	2.500 NG/UL	1642658	11474871	0.229
	hexachlorobenzene	14.97	2.500 NG/UL	5035517	11474871	0.702
*^	pentachlorophenol	15.45	2.500 NG/UL	985791	11474871	0.137
	phenanthrene	15.81	2.500 NG/UL	7119728	11474871	0.993
	anthracene	15.92	2.500 NG/UL	7586937	11474871	1.058

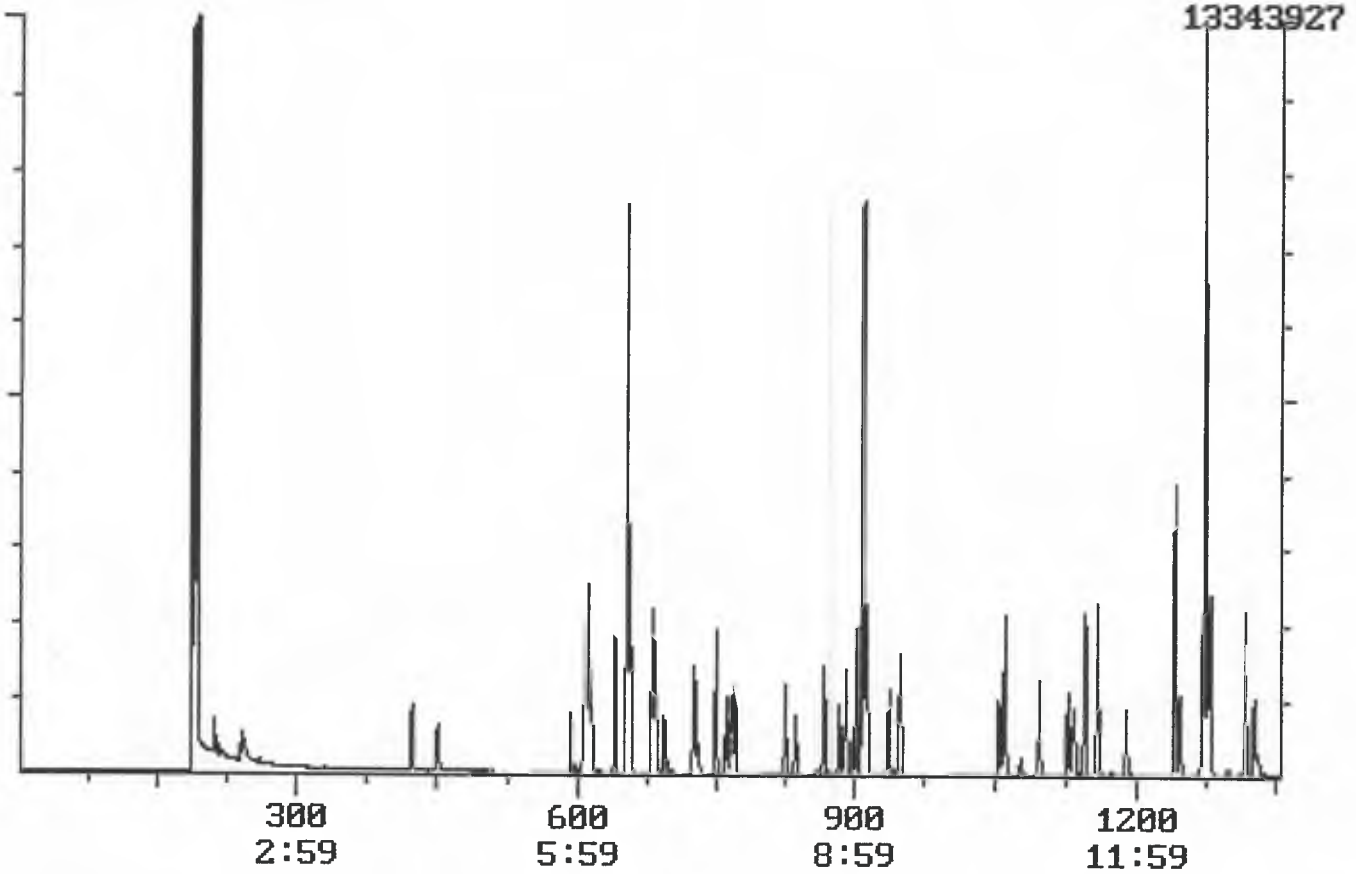
CALIBRATION STANDARD REPORT

DATAFILE : P10773 ANALYSIS DATE : 12/21/94 15:20
SAMPLE : 2.5 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	di-n-butylphthalat	17.34	2.500 NG/UL	9976037	11474871	1.391
*	fluoranthene	18.26	2.500 NG/UL	4280739	11474871	0.597
^	pyrene	18.69	2.500 NG/UL	4197368	6898807	0.973
	butylbenzylphthala	20.41	2.500 NG/UL	4965053	6898807	1.152
	3,3'-dichlorobenzi	21.31	2.500 NG/UL	1627557	6898807	0.377
	benzo(a)anthracene	21.22	2.500 NG/UL	4269087	6898807	0.990
	chrysene	21.28	2.500 NG/UL	4035626	6898807	0.936
	bis-(2-ethylhexyl)	21.73	2.500 NG/UL	7008295	6898807	1.625
*	di-n-octylphthalat	23.02	2.500 NG/UL	10708924	7199372	2.380
	benzo(b)fluoranthe	23.29	2.500 NG/UL	3844949	7199372	0.855
	benzo(k)fluoranthe	23.34	2.500 NG/UL	4460818	7199372	0.991
*	benzo(a)pyrene	23.84	2.500 NG/UL	3578325	7199372	0.795
	indeno(1,2,3-cd)py	25.74	2.500 NG/UL	3291860	7199372	0.732
	dibenzo(a,h)anthra	25.83	2.500 NG/UL	3712375	7199372	0.825
	benzo(g,h,i)peryle	26.20	2.500 NG/UL	3747898	7199372	0.833
N-nitrosodimethlyamine		2.36	2.500 NG/UL	1420551	4582835	0.496
pyridine		2.39	2.500 NG/UL	1991049	4582835	0.695
1,2-diphenylhydrazine		14.30	2.500 NG/UL	4291002	11474871	0.598
carbazole		16.34	2.500 NG/UL	6244148	11474871	0.871
Benzidine		18.70	2.500 NG/UL	3229567	6898807	0.749
Cyclohexanone		4.50	2.500 NG/UL	894526	4582835	0.312

CALIBRATION STANDARD CHROMATOGRAM

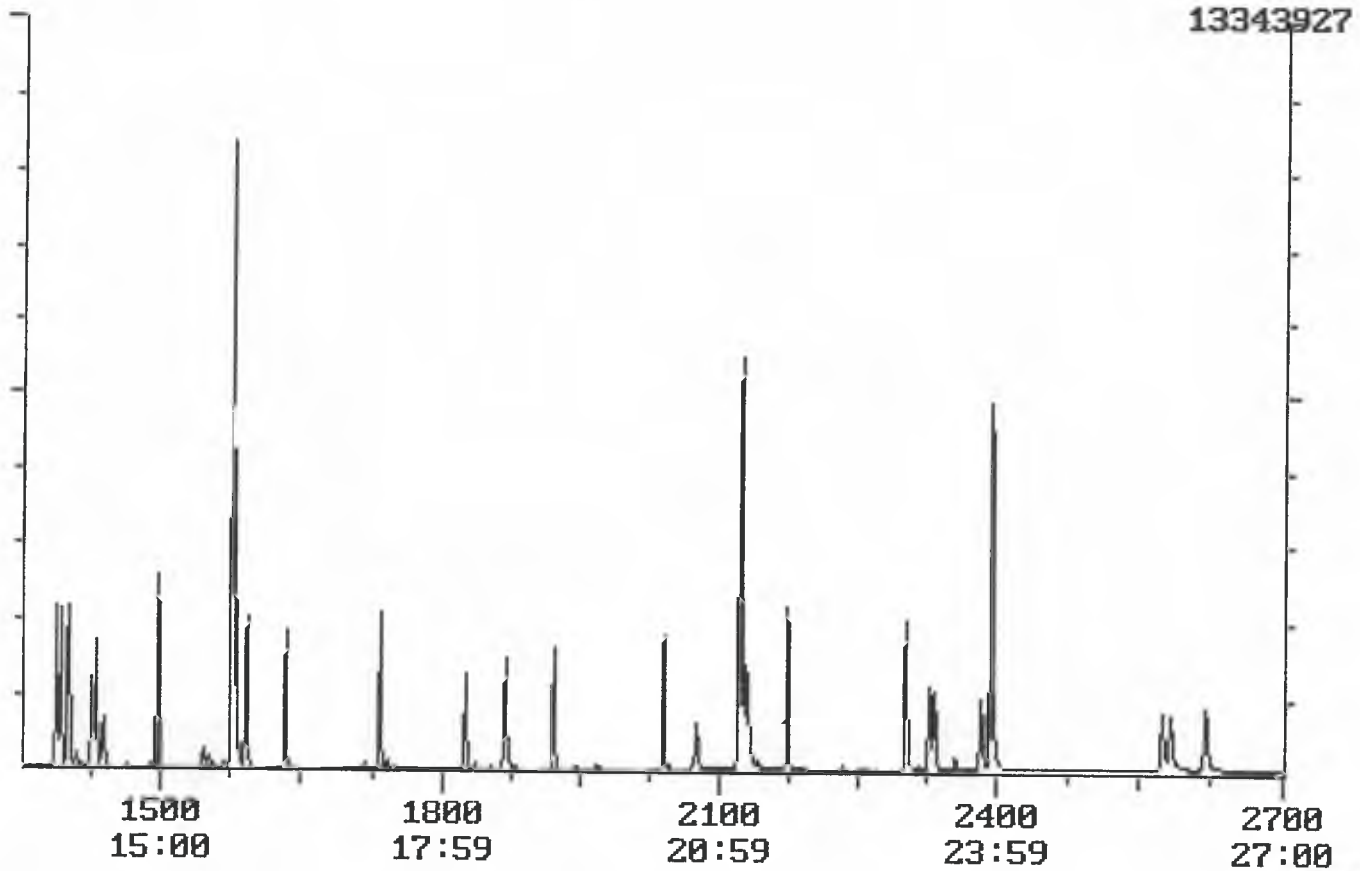
DATAFILE : P10774 ANALYSIS DATE : 12/21/94 15:57
SAMPLE : 1.0 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10774
SAMPLE : 1.0 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

ANALYSIS DATE : 12/21/94 15:57



CALIBRATION STANDARD REPORT

DATAFILE : P10774 ANALYSIS DATE : 12/21/94 15:57
SAMPLE : 1.0 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

Compound name	Ret. Time	Amount	Area	I.S. Area	RF
d4-1,4-diClbenzene	6.54	4.000 NG/UL	4684057	4684057	1.000
d8-naphthalene (I	9.10	4.000 NG/UL	13690774	13690774	1.000
d8-acenaphthene (I	12.73	4.000 NG/UL	8857628	8857628	1.000
d10-phenanthrene	15.77	4.000 NG/UL	11939454	11939454	1.000
d12-chrysene (IS)	21.24	4.000 NG/UL	7390431	7390431	1.000
d12-perylene (IS)	23.95	4.000 NG/UL	7661557	7661557	1.000
d5-nitrobenzene (S	7.67	1.000 NG/UL	697022	13690774	0.204
2-fluorobiphenyl (	11.45	1.000 NG/UL	2199831	8857628	0.993
d14-terphenyl (SS)	19.22	1.000 NG/UL	1393857	7390431	0.754
d5-phenol (SS)	6.07	1.000 NG/UL	721680	4684057	0.616
2-fluorophenol (SS	4.23	1.000 NG/UL	624694	4684057	0.533
2,4,6-tribromophen	14.37	1.000 NG/UL	282296	8857628	0.127
*^ phenol	6.10	1.000 NG/UL	865766	4684057	0.739
bis-(2-chloroethyl	6.16	1.000 NG/UL	1842244	4684057	1.573
^ 2-chlorophenol	6.14	1.000 NG/UL	1290033	4684057	1.102
1,3-dichlorobenzen	6.41	1.000 NG/UL	1478297	4684057	1.262
^ 1,4-dichlorobenzene	6.57	1.000 NG/UL	1608732	4684057	1.374
benzyl alcohol	7.27	1.000 NG/UL	1318415	4684057	1.126
1,2-dichlorobenzen	6.84	1.000 NG/UL	1397793	4684057	1.194
2-methylphenol	7.27	1.000 NG/UL	567090	4684057	0.484
bis-(2-chloroisopr	7.27	1.000 NG/UL	725766	4684057	0.620
4-methylphenol	7.62	1.000 NG/UL	555304	4684057	0.474
**^ n-nitroso-di-n-pro	7.50	1.000 NG/UL	508988	4684057	0.435
hexachloroethane	7.51	1.000 NG/UL	338592	4684057	0.289
nitrobenzene	7.71	1.000 NG/UL	703463	13690774	0.206
isophorone	8.26	1.000 NG/UL	1072410	13690774	0.313
2-nitrophenol	8.37	1.000 NG/UL	555790	13690774	0.162
2,4-dimethylphenol	8.68	1.000 NG/UL	894531	13690774	0.261
benzoic acid	8.93	1.000 NG/UL	146240	13690774	0.043
bis-(2-chloroethox	8.92	1.000 NG/UL	471254	13690774	0.138
* 2,4-dichlorophenol	8.92	1.000 NG/UL	940958	13690774	0.275

CALIBRATION STANDARD REPORT

DATAFILE : P10774 ANALYSIS DATE : 12/21/94 15:57
SAMPLE : 1.0 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
^	1,2,4-trichloroben	9.03	1.000 NG/UL	1215239	13690774	0.355
	naphthalene	9.14	1.000 NG/UL	3264355	13690774	0.954
	4-chloroaniline	9.38	1.000 NG/UL	1092426	13690774	0.319
*	hexachlorobutadien	9.50	1.000 NG/UL	477070	13690774	0.139
^	4-chloro-3-methylp	10.54	1.000 NG/UL	666098	13690774	0.195
	2-methylnaphthalen	10.60	1.000 NG/UL	2219126	13690774	0.648
**	hexachlorocyclopen	10.97	1.000 NG/UL	441573	8857628	0.199
*	2,4,6-trichlorophe	11.27	1.000 NG/UL	325493	8857628	0.147
	2,4,5-trichlorophe	11.33	1.000 NG/UL	386418	8857628	0.175
	2-chloronaphthalen	11.58	1.000 NG/UL	2070698	8857628	0.935
	2-nitroaniline	11.89	1.000 NG/UL	414424	8857628	0.187
	dimethyl phthalate	12.41	1.000 NG/UL	2953273	8857628	1.334
	acenaphthylene	12.41	1.000 NG/UL	3247539	8857628	1.467
	2,6-dinitrotoluene	12.47	1.000 NG/UL	583152	8857628	0.263
	3-nitroaniline	12.76	1.000 NG/UL	522078	8857628	0.236
* ^	acenaphthene	12.79	1.000 NG/UL	1891130	8857628	0.854
**	2,4-dinitrophenol	12.98	1.000 NG/UL	95336	8857628	0.043
**^	4-nitrophenol	13.30	1.000 NG/UL	441541	8857628	0.199
	dibenzofuran	13.16	1.000 NG/UL	2779801	8857628	1.255
^	2,4-dinitrotoluene	13.27	1.000 NG/UL	854169	8857628	0.386
	diethylphthalate	13.91	1.000 NG/UL	2561230	8857628	1.157
	4-chlorophenyl-phe	13.99	1.000 NG/UL	725903	8857628	0.328
	fluorene	13.86	1.000 NG/UL	2156690	8857628	0.974
	4-nitroaniline	14.00	1.000 NG/UL	445549	8857628	0.201
	4,6-dinitro-2-meth	14.08	1.000 NG/UL	62788	11939454	0.021
*	n-nitrosodiphenyla	14.25	1.000 NG/UL	1174652	11939454	0.394
	4-bromophenyl-phen	14.97	1.000 NG/UL	575186	11939454	0.193
	hexachlorobenzene	14.97	1.000 NG/UL	1951972	11939454	0.654
*^	pentachlorophenol	15.45	1.000 NG/UL	307656	11939454	0.103
	phenanthrene	15.81	1.000 NG/UL	2986728	11939454	1.001
	anthracene	15.92	1.000 NG/UL	2774215	11939454	0.929

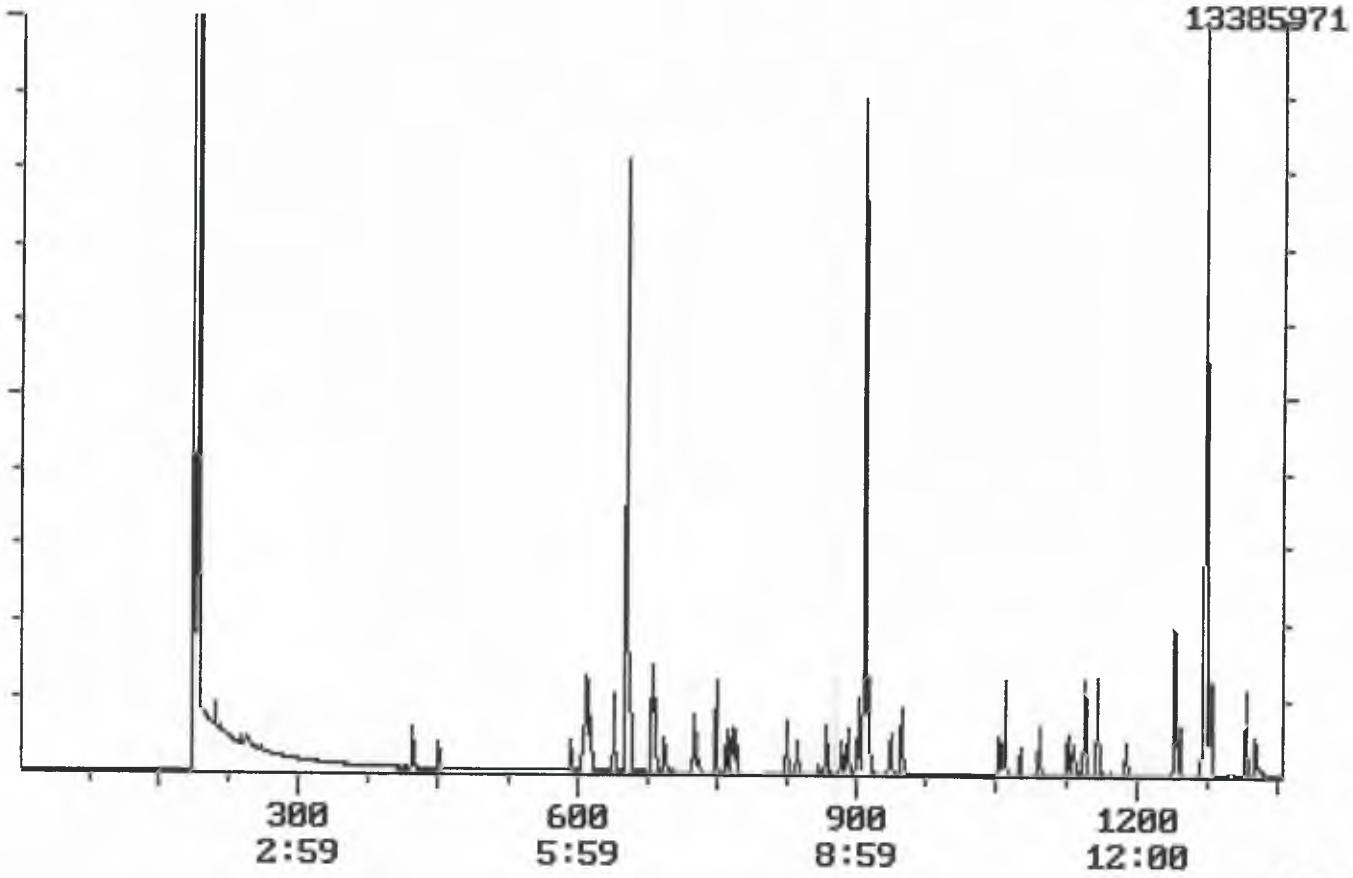
CALIBRATION STANDARD REPORT

DATAFILE : P10774 ANALYSIS DATE : 12/21/94 15:57
SAMPLE : 1.0 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	di-n-butylphthalat	17.34	1.000 NG/UL	4048881	11939454	1.356
*	fluoranthene	18.26	1.000 NG/UL	1681079	11939454	0.563
^	pyrene	18.69	1.000 NG/UL	1696723	7390431	0.918
	butylbenzylphthala	20.41	1.000 NG/UL	2007357	7390431	1.086
	3,3'-dichlorobenzi	21.31	1.000 NG/UL	709654	7390431	0.384
	benzo(a)anthracene	21.22	1.000 NG/UL	1601974	7390431	0.867
	chrysene	21.28	1.000 NG/UL	1565387	7390431	0.847
	bis-(2-ethylhexyl)	21.73	1.000 NG/UL	2944730	7390431	1.594
*	di-n-octylphthalat	23.02	1.000 NG/UL	4386164	7661557	2.290
	benzo(b)fluoranthe	23.28	1.000 NG/UL	1568448	7661557	0.819
	benzo(k)fluoranthe	23.33	1.000 NG/UL	1728282	7661557	0.902
*	benzo(a)pyrene	23.84	1.000 NG/UL	1404576	7661557	0.733
	indeno(1,2,3-cd)py	25.74	1.000 NG/UL	1278169	7661557	0.667
	dibenzo(a,h)anthra	25.82	1.000 NG/UL	1519293	7661557	0.793
	benzo(g,h,i)peryle	26.19	1.000 NG/UL	1525366	7661557	0.796
	N-nitrosodimethlyamine	2.38	1.000 NG/UL	552725	4684057	0.472
	pyridine	2.42	1.000 NG/UL	588385	4684057	0.502
	1,2-diphenylhydrazine	14.30	1.000 NG/UL	1836024	11939454	0.615
	carbazole	16.34	1.000 NG/UL	2472830	11939454	0.828
	Benzidine	18.71	1.000 NG/UL	760593	7390431	0.412
	Cyclohexanone	4.51	1.000 NG/UL	360106	4684057	0.308

CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10775 ANALYSIS DATE : 12/21/94 16:34
SAMPLE : 0.5 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



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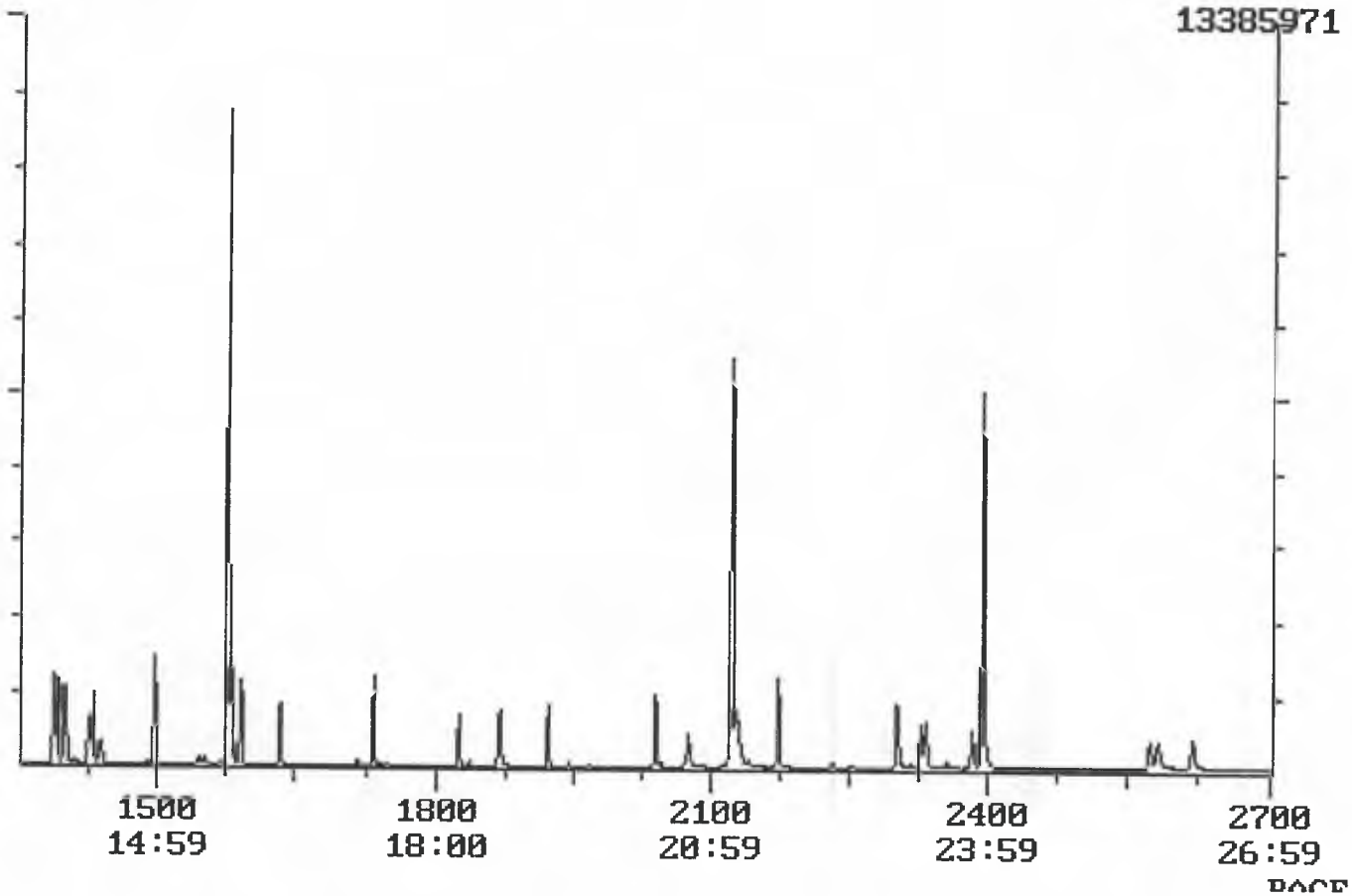
CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10775
SAMPLE : 0.5 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis
ANALYSIS DATE : 12/21/94 16:34



CALIBRATION STANDARD REPORT

DATAFILE : P10775 ANALYSIS DATE : 12/21/94 16:34
SAMPLE : 0.5 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	d4-1,4-diClbenzene	6.54	4.000 NG/UL	4960409	4960409	1.000
	d8-naphthalene (I	9.10	4.000 NG/UL	14703285	14703285	1.000
	d8-acenaphthene (I	12.72	4.000 NG/UL	9545082	9545082	1.000
	d10-phenanthrene	15.77	4.000 NG/UL	11997965	11997965	1.000
	d12-chrysene (IS)	21.23	4.000 NG/UL	7656834	7656834	1.000
	d12-perylene (IS)	23.95	4.000 NG/UL	8145435	8145435	1.000
	d5-nitrobenzene (S	7.67	0.500 NG/UL	394734	14703285	0.215
	2-fluorobiphenyl (	11.45	0.500 NG/UL	1245908	9545082	1.044
	d14-terphenyl (SS)	19.22	0.500 NG/UL	746396	7656834	0.780
	d5-phenol (SS)	6.07	0.500 NG/UL	371772	4960409	0.600
	2-fluorophenol (SS	4.22	0.500 NG/UL	332390	4960409	0.536
	2,4,6-tribromophen	14.36	0.500 NG/UL	134607	9545082	0.113
*^	phenol	6.09	0.500 NG/UL	412646	4960409	0.666
	bis-(2-chloroethyl	6.16	0.500 NG/UL	1034198	4960409	1.668
^	2-chlorophenol	6.13	0.500 NG/UL	728878	4960409	1.176
	1,3-dichlorobenzen	6.40	0.500 NG/UL	752983	4960409	1.214
^	1,4-dichlorobenzene	6.57	0.500 NG/UL	911311	4960409	1.470
	benzyl alcohol	7.27	0.500 NG/UL	659113	4960409	1.063
	1,2-dichlorobenzen	6.84	0.500 NG/UL	758132	4960409	1.223
	2-methylphenol	7.27	0.500 NG/UL	282330	4960409	0.455
	bis-(2-chloroisopr	7.24	0.500 NG/UL	398181	4960409	0.642
	4-methylphenol	7.61	0.500 NG/UL	298704	4960409	0.482
**^	n-nitroso-di-n-pro	7.50	0.500 NG/UL	270293	4960409	0.436
	hexachloroethane	7.50	0.500 NG/UL	193935	4960409	0.313
	nitrobenzene	7.71	0.500 NG/UL	382553	14703285	0.208
	isophorone	8.26	0.500 NG/UL	633534	14703285	0.345
	2-nitrophenol	8.37	0.500 NG/UL	290346	14703285	0.158
	2,4-dimethylphenol	8.68	0.500 NG/UL	426555	14703285	0.232
	benzoic acid	8.90	0.500 NG/UL	62703	14703285	0.034
	bis-(2-chloroethox	8.85	0.500 NG/UL	336676	14703285	0.183
*	2,4-dichlorophenol	8.92	0.500 NG/UL	501822	14703285	0.273

CALIBRATION STANDARD REPORT

DATAFILE : P10775 ANALYSIS DATE : 12/21/94 16:34
SAMPLE : 0.5 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
^	1,2,4-trichloroben	9.03	0.500 NG/UL	648514	14703285	0.353
	naphthalene	9.14	0.500 NG/UL	1793921	14703285	0.976
	4-chloroaniline	9.38	0.500 NG/UL	575038	14703285	0.313
*	hexachlorobutadien	9.50	0.500 NG/UL	240563	14703285	0.131
^	4-chloro-3-methylp	10.54	0.500 NG/UL	346694	14703285	0.189
	2-methylnaphthalen	10.60	0.500 NG/UL	1160191	14703285	0.631
**	hexachlorocyclopen	10.97	0.500 NG/UL	245741	9545082	0.206
*	2,4,6-trichlorophe	11.27	0.500 NG/UL	162465	9545082	0.136
	2,4,5-trichlorophe	11.33	0.500 NG/UL	182856	9545082	0.153
	2-chloronaphthalen	11.58	0.500 NG/UL	1251192	9545082	1.049
	2-nitroaniline	11.89	0.500 NG/UL	215350	9545082	0.180
	dimethyl phthalate	12.40	0.500 NG/UL	1592722	9545082	1.335
	acenaphthylene	12.41	0.500 NG/UL	1807536	9545082	1.515
	2,6-dinitrotoluene	12.46	0.500 NG/UL	314361	9545082	0.263
	3-nitroaniline	12.76	0.500 NG/UL	229858	9545082	0.193
* ^	acenaphthene	12.78	0.500 NG/UL	1044779	9545082	0.876
**	2,4-dinitrophenol	12.99	0.500 NG/UL	33828	9545082	0.028
**^	4-nitrophenol	13.30	0.500 NG/UL	189400	9545082	0.159
	dibenzofuran	13.16	0.500 NG/UL	1511979	9545082	1.267
^	2,4-dinitrotoluene	13.26	0.500 NG/UL	440527	9545082	0.369
	diethylphthalate	13.90	0.500 NG/UL	1479933	9545082	1.240
	4-chlorophenyl-phe	13.98	0.500 NG/UL	376313	9545082	0.315
	fluorene	13.86	0.500 NG/UL	1089937	9545082	0.914
	4-nitroaniline	14.00	0.500 NG/UL	219935	9545082	0.184
	4,6-dinitro-2-meth	14.08	0.500 NG/UL	24062	11997965	0.016
*	n-nitrosodiphenyla	14.25	0.500 NG/UL	633470	11997965	0.422
	4-bromophenyl-phen	14.97	0.500 NG/UL	273228	11997965	0.182
	hexachlorobenzene	14.97	0.500 NG/UL	1025067	11997965	0.683
*^	pentachlorophenol	15.45	0.500 NG/UL	123945	11997965	0.083
	phenanthrene	15.81	0.500 NG/UL	1592366	11997965	1.062
	anthracene	15.91	0.500 NG/UL	1464073	11997965	0.976

CALIBRATION STANDARD REPORT

DATAFILE : P10775 ANALYSIS DATE : 12/21/94 16:34
SAMPLE : 0.5 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	di-n-butylphthalat	17.34	0.500 NG/UL	2209335	11997965	1.473
*	fluoranthene	18.25	0.500 NG/UL	874428	11997965	0.583
^	pyrene	18.69	0.500 NG/UL	907301	7656834	0.948
	butylbenzylphthala	20.40	0.500 NG/UL	1044437	7656834	1.091
	3,3'-dichlorobenzi	21.30	0.500 NG/UL	344658	7656834	0.360
	benzo(a)anthracene	21.21	0.500 NG/UL	814020	7656834	0.851
	chrysene	21.28	0.500 NG/UL	823810	7656834	0.861
	bis-(2-ethylhexyl)	21.73	0.500 NG/UL	1564378	7656834	1.634
*	di-n-octylphthalat	23.01	0.500 NG/UL	2329072	8145435	2.287
	benzo(b)fluoranthe	23.28	0.500 NG/UL	856891	8145435	0.842
	benzo(k)fluoranthe	23.33	0.500 NG/UL	949479	8145435	0.933
*	benzo(a)pyrene	23.83	0.500 NG/UL	717633	8145435	0.705
	indeno(1,2,3-cd)py	25.73	0.500 NG/UL	629318	8145435	0.618
	dibenzo(a,h)anthra	25.82	0.500 NG/UL	770068	8145435	0.756
	benzo(g,h,i)peryle	26.19	0.500 NG/UL	746918	8145435	0.734
	N-nitrosodimethlyamine	2.39	0.500 NG/UL	269752	4960409	0.435
	pyridine	2.43	0.500 NG/UL	291634	4960409	0.470
	1,2-diphenylhydrazine	14.29	0.500 NG/UL	918472	11997965	0.612
	carbazole	16.34	0.500 NG/UL	1264805	11997965	0.843
	Benzidine	18.70	0.500 NG/UL	292842	7656834	0.306
	Cyclohexanone	4.50	0.500 NG/UL	183298	4960409	0.296

Initial Calibration Report

INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner 07/01/94

HIT ANY KEY TO CONTINUE

							AVE	RSD
*^	phenol	1.400	1.127	0.916	0.794	0.748	0.997	27.0%
	bis-(2-chloroethyl	0.347	0.338	0.328	0.356	0.342	0.342	3.0%
^	2-chlorophenol	0.993	1.079	1.020	1.083	1.130	1.061	5.1%
	1,3-dichlorobenzen	1.328	1.272	1.188	1.308	1.285	1.276	4.2%
^	1,4-dichlorobenzene	1.332	1.351	1.220	1.297	1.447	1.329	6.2%
	benzyl alcohol	1.148	1.155	1.092	1.034	1.059	1.097	4.9%
	1,2-dichlorobenzen	1.332	1.286	1.266	1.260	1.388	1.306	4.1%
	2-methylphenol	0.620	0.548	0.501	0.458	0.480	0.521	12.4%
	bis-(2-chloroisopr	0.623	0.657	0.616	0.616	0.656	0.633	3.3%
	4-methylphenol	0.830	0.735	0.564	0.482	0.492	0.621	24.9%
**^	n-nitroso-di-n-pro	0.485	0.487	0.431	0.437	0.473	0.462	5.8%
	hexachloroethane	0.355	0.330	0.301	0.298	0.347	0.326	8.0%
	nitrobenzene	0.133	0.166	0.198	0.211	0.226	0.187	20.0%
	isophorone	0.332	0.324	0.319	0.317	0.288	0.316	5.4%
	2-nitrophenol	0.182	0.179	0.187	0.167	0.154	0.174	7.8%
	2,4-dimethylphenol	0.255	0.220	0.211	0.226	0.230	0.228	7.3%
	benzoic acid	0.123	0.090	0.066	0.042	0.024	0.069	56.4%
	bis-(2-chloroethox	0.137	0.155	0.177	0.187	0.196	0.171	14.2%
*	2,4-dichlorophenol	0.272	0.276	0.266	0.251	0.246	0.262	5.0%
^	1,2,4-trichloroben	0.361	0.335	0.369	0.366	0.348	0.356	4.0%
	naphthalene	0.940	0.928	0.941	1.014	0.987	0.962	3.8%
	4-chloroaniline	0.356	0.309	0.302	0.279	0.251	0.300	13.0%
*	hexachlorobutadien	0.135	0.133	0.139	0.138	0.146	0.138	3.5%
^	4-chloro-3-methylp	0.188	0.182	0.180	0.180	0.169	0.180	3.8%
	2-methylnaphthalen	0.611	0.607	0.634	0.648	0.652	0.631	3.3%
**	hexachlorocyclopen	0.238	0.228	0.200	0.214	0.211	0.218	6.9%
*	2,4,6-trichlorophe	0.178	0.178	0.162	0.143	0.147	0.162	10.1%
	2,4,5-trichlorophe	0.195	0.197	0.169	0.156	0.143	0.172	13.7%
	2-chloronaphthalen	0.967	1.007	0.941	0.928	1.022	0.973	4.2%
	2-nitroaniline	0.173	0.184	0.189	0.188	0.184	0.183	3.5%
	dimethyl phthalate	1.402	1.397	1.353	1.313	1.334	1.360	2.9%
	acenaphthylene	1.438	1.421	1.390	1.426	1.498	1.435	2.8%
	2,6-dinitrotoluene	0.291	0.302	0.271	0.270	0.247	0.276	7.7%
	3-nitroaniline	0.217	0.229	0.210	0.197	0.144	0.199	16.4%

Initial Calibration Report

INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner 07/01/94

HIT ANY KEY TO CONTINUE

						AVE	RSD
* ^ acenaphthene	1.070	0.967	0.830	0.811	0.865	0.908	12.0%
** 2,4-dinitrophenol	0.191	0.164	0.105	0.050	0.028	0.108	65.2%
**^ 4-nitrophenol	0.266	0.278	0.241	0.215	0.138	0.228	24.4%
dibenzofuran	1.251	1.238	1.144	1.242	1.290	1.233	4.4%
^ 2,4-dinitrotoluene	0.444	0.453	0.421	0.414	0.365	0.419	8.2%
diethylphthalate	1.060	1.147	1.133	1.146	1.270	1.151	6.6%
4-chlorophenyl-phe	0.360	0.328	0.285	0.305	0.316	0.319	8.8%
fluorene	0.986	1.015	0.927	0.903	0.981	0.962	4.8%
4-nitroaniline	0.283	0.264	0.235	0.230	0.164	0.235	19.2%
4,6-dinitro-2-meth	0.075	0.064	0.049	0.031	0.018	0.047	48.9%
* n-nitrosodiphenyla	0.485	0.419	0.424	0.378	0.408	0.423	9.2%
4-bromophenyl-phen	0.333	0.261	0.211	0.177	0.184	0.233	27.9%
hexachlorobenzene	0.058	0.050	0.045	0.047	0.049	0.050	9.3%
*^ pentachlorophenol	0.219	0.183	0.138	0.108	0.064	0.142	42.9%
phenanthrene	1.033	0.985	0.963	0.931	0.978	0.978	3.8%
anthracene	1.079	0.991	0.956	0.908	0.930	0.973	6.9%
di-n-butylphthalat	1.078	1.192	1.203	1.333	1.378	1.237	9.7%
* fluoranthene	0.593	0.575	0.574	0.558	0.545	0.569	3.2%
^ pyrene	1.079	0.951	0.867	0.845	0.985	0.946	10.0%
butylbenzylphthala	1.084	1.074	1.042	1.073	1.125	1.080	2.8%
3,3'-dichlorobenzi	0.646	0.462	0.387	0.353	0.338	0.437	28.8%
benzo(a)anthracene	1.171	0.974	0.897	0.805	0.666	0.902	20.9%
chrysene	0.868	0.829	0.792	0.788	0.849	0.825	4.3%
bis-(2-ethylhexyl)	1.532	1.430	1.453	1.475	1.630	1.504	5.3%
* di-n-octylphthalat	2.070	1.864	2.266	2.328	2.478	2.201	10.8%
benzo(b)fluoranthe	0.911	0.869	0.804	0.822	0.758	0.833	7.1%
benzo(k)fluoranthe	0.959	0.907	0.876	0.838	0.947	0.905	5.5%
* benzo(a)pyrene	0.880	0.806	0.741	0.700	0.719	0.769	9.6%
indeno(1,2,3-cd)py	0.837	0.770	0.708	0.656	0.649	0.724	11.0%
dibenzo(a,h)anthra	0.880	0.854	0.780	0.748	0.777	0.808	7.0%
benzo(g,h,i)peryle	0.897	0.838	0.773	0.697	0.681	0.777	11.8%
N-nitrosodimethlyamine	0.525	0.680	0.690	0.606	0.488	0.598	15.2%
pyridine	0.795	0.795	0.820	0.598	0.517	0.705	19.6%
1,2-diphenylhydrazine	0.493	0.533	0.566	0.589	0.611	0.558	8.4%

Initial Calibration Report

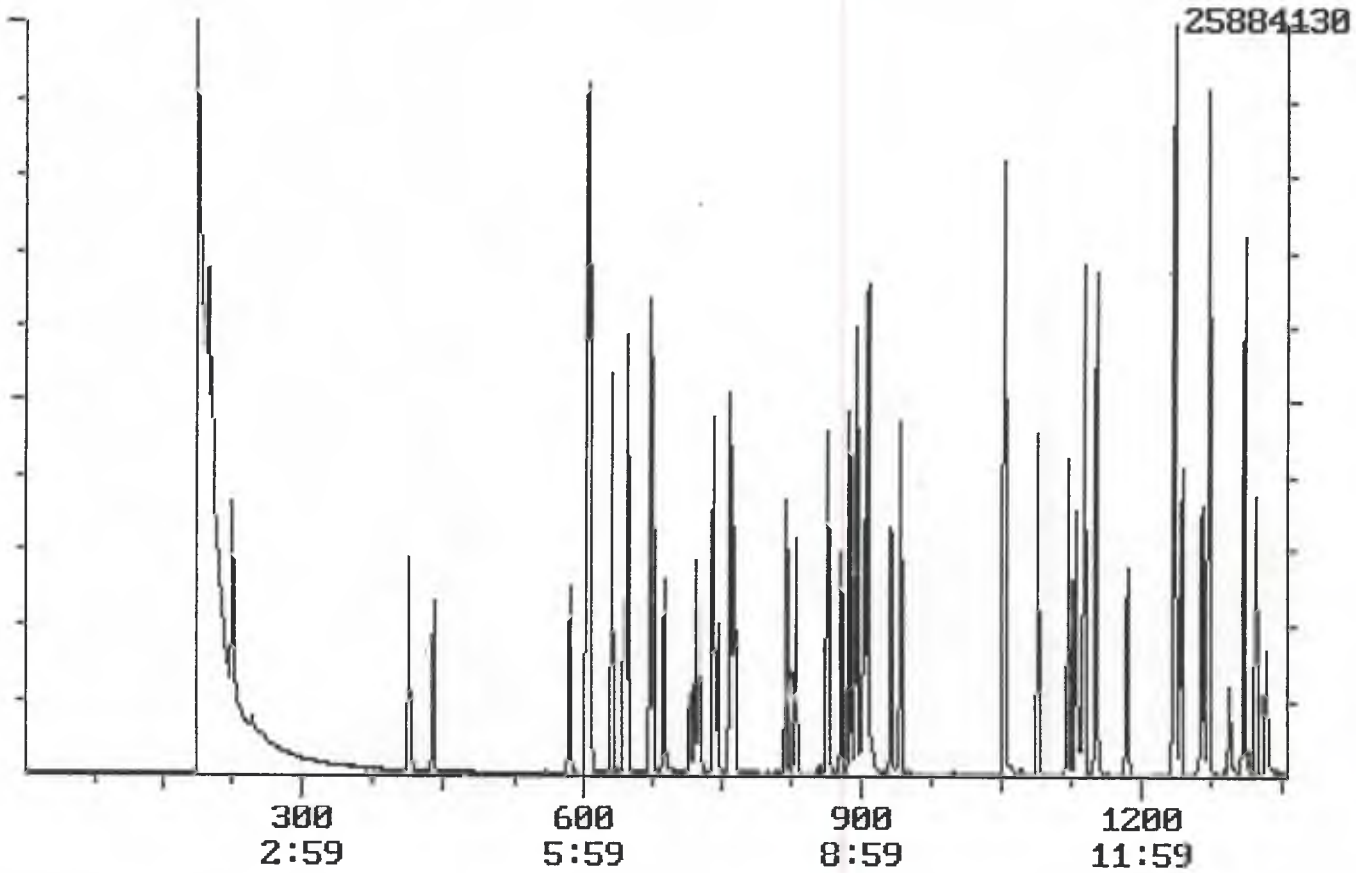
INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner 07/01/94

HIT ANY KEY TO CONTINUE

						AVE	RSD
carbazole	0.949	0.897	0.849	0.806	0.807	0.862	7.1%
Benzidine	0.466	0.326	0.406	0.190	0.174	0.312	41.4%
Cyclohexanone	0.250	0.294	0.314	0.301	0.364	0.305	13.4%
P-tert-butyl phenol	no data					0.0	0.0%
2,3,4,6-Tetrachloropheno	data					0.0	0.0%

CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10898 ANALYSIS DATE : 01/04/95 16:50
SAMPLE : 10.0 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



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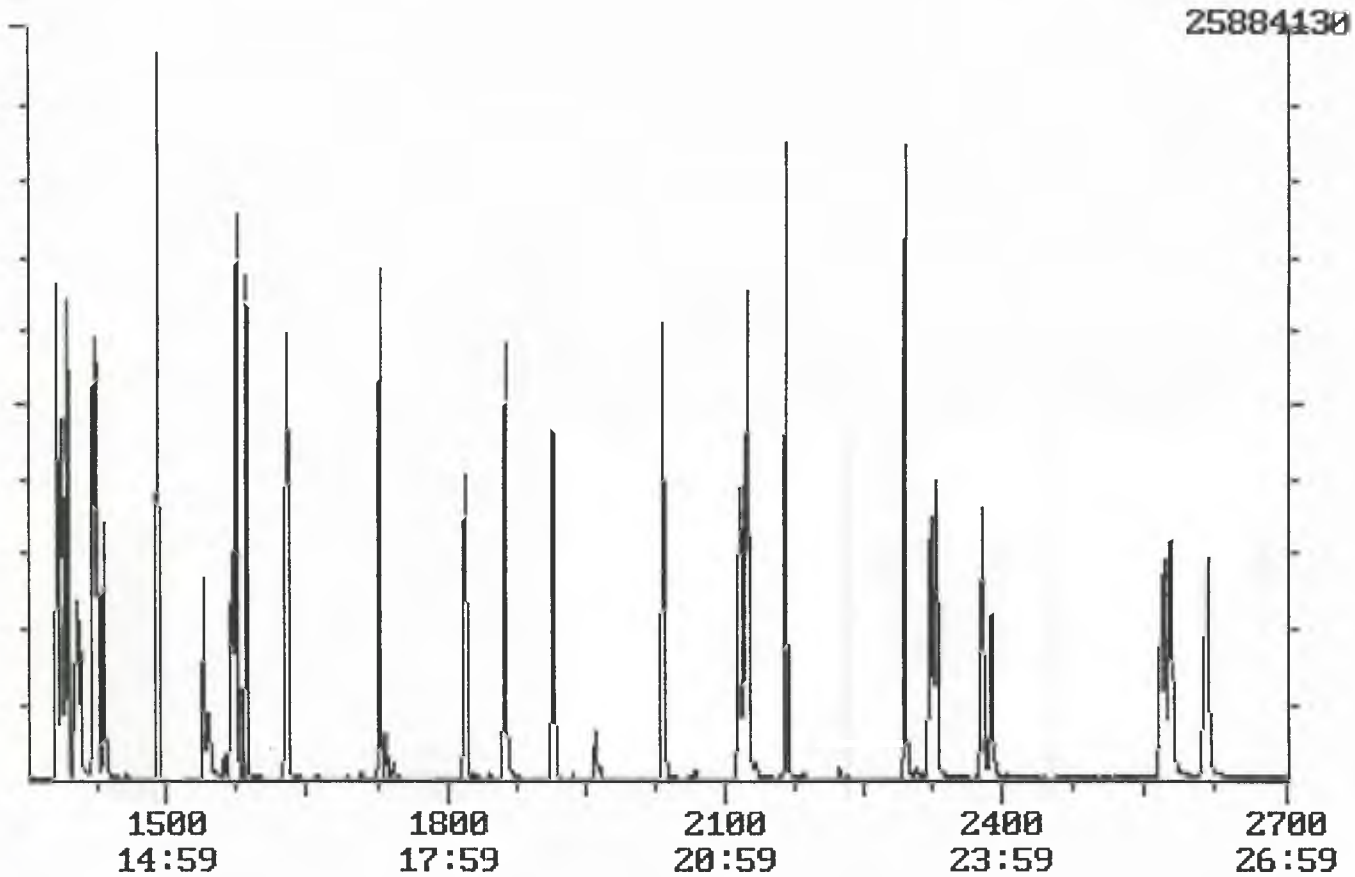
CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10898 ANALYSIS DATE : 01/04/95 16:50
SAMPLE : 10.0 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



CALIBRATION STANDARD REPORT

DATAFILE : P10898 ANALYSIS DATE : 01/04/95 16:50
SAMPLE : 10.0 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	d4-1,4-diClbenzene	6.45	4.000 NG/UL	3151770	3151770	1.000
	d8-naphthalene (I	9.03	4.000 NG/UL	10790234	10790234	1.000
	d8-acenaphthene (I	12.66	4.000 NG/UL	6970997	6970997	1.000
	d10-phenanthrene	15.70	4.000 NG/UL	9974056	9974056	1.000
	d12-chrysene (IS)	21.19	4.000 NG/UL	5524539	5524539	1.000
	d12-perylene (IS)	23.90	4.000 NG/UL	6743771	6743771	1.000
	d5-nitrobenzene (S	7.62	10.00 NG/UL	3210118	10790234	0.119
	2-fluorobiphenyl (	11.39	10.00 NG/UL	17065659	6970997	0.979
	d14-terphenyl (SS)	19.16	10.00 NG/UL	12766871	5524539	0.924
	d5-phenol (SS)	6.05	10.00 NG/UL	13618819	3151770	1.728
	2-fluorophenol (SS	4.13	10.00 NG/UL	5592421	3151770	0.710
	2,4,6-tribromophen	14.32	10.00 NG/UL	3378770	6970997	0.194
*^	phenol	6.08	10.00 NG/UL	11034699	3151770	1.400
	bis-(2-chloroethyl	6.09	10.00 NG/UL	2732600	3151770	0.347
^	2-chlorophenol	6.08	10.00 NG/UL	7826423	3151770	0.993
	1,3-dichlorobenzen	6.32	10.00 NG/UL	10464626	3151770	1.328
^	1,4-dichlorobenzene	6.49	10.00 NG/UL	10495934	3151770	1.332
	benzyl alcohol	7.24	10.00 NG/UL	9044415	3151770	1.148
	1,2-dichlorobenzen	6.77	10.00 NG/UL	10496558	3151770	1.332
	2-methylphenol	7.24	10.00 NG/UL	4886231	3151770	0.620
	bis-(2-chloroisopr	7.19	10.00 NG/UL	4908993	3151770	0.623
	4-methylphenol	7.60	10.00 NG/UL	6538910	3151770	0.830
**^	n-nitroso-di-n-pro	7.47	10.00 NG/UL	3821630	3151770	0.485
	hexachloroethane	7.42	10.00 NG/UL	2796284	3151770	0.355
	nitrobenzene	7.66	10.00 NG/UL	3590809	10790234	0.133
	isophorone	8.21	10.00 NG/UL	8963289	10790234	0.332
	2-nitrophenol	8.31	10.00 NG/UL	4896224	10790234	0.182
	2,4-dimethylphenol	8.65	10.00 NG/UL	6884822	10790234	0.255
	benzoic acid	9.12	10.00 NG/UL	3312246	10790234	0.123
	bis-(2-chloroethox	8.79	10.00 NG/UL	3697236	10790234	0.137
*	2,4-dichlorophenol	8.88	10.00 NG/UL	7336986	10790234	0.272

CALIBRATION STANDARD REPORT

DATAFILE : P10898 ANALYSIS DATE : 01/04/95 16:50
SAMPLE : 10.0 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
^	1,2,4-trichloroben	8.96	10.00 NG/UL	9738733	10790234	0.361
	naphthalene	9.08	10.00 NG/UL	25354163	10790234	0.940
	4-chloroaniline	9.32	10.00 NG/UL	9612682	10790234	0.356
*	hexachlorobutadien	9.43	10.00 NG/UL	3646644	10790234	0.135
^	4-chloro-3-methylp	10.52	10.00 NG/UL	5073824	10790234	0.188
	2-methylnaphthalen	10.54	10.00 NG/UL	16478841	10790234	0.611
**	hexachlorocyclopen	10.89	10.00 NG/UL	4147786	6970997	0.238
*	2,4,6-trichlorophe	11.22	10.00 NG/UL	3101209	6970997	0.178
	2,4,5-trichlorophe	11.30	10.00 NG/UL	3404759	6970997	0.195
	2-chloronaphthalen	11.52	10.00 NG/UL	16849148	6970997	0.967
	2-nitroaniline	11.85	10.00 NG/UL	3008996	6970997	0.173
	dimethyl phthalate	12.36	10.00 NG/UL	24440445	6970997	1.402
	acenaphthylene	12.35	10.00 NG/UL	25063613	6970997	1.438
	2,6-dinitrotoluene	12.43	10.00 NG/UL	5070555	6970997	0.291
	3-nitroaniline	12.73	10.00 NG/UL	3776392	6970997	0.217
* ^	acenaphthene	12.73	10.00 NG/UL	18651835	6970997	1.070
**	2,4-dinitrophenol	12.94	10.00 NG/UL	3335813	6970997	0.191
**^	4-nitrophenol	13.33	10.00 NG/UL	4633219	6970997	0.266
	dibenzofuran	13.10	10.00 NG/UL	21797379	6970997	1.251
^	2,4-dinitrotoluene	13.23	10.00 NG/UL	7744142	6970997	0.444
	diethylphthalate	13.87	10.00 NG/UL	18473286	6970997	1.060
	4-chlorophenyl-phe	13.92	10.00 NG/UL	6269015	6970997	0.360
	fluorene	13.81	10.00 NG/UL	17188654	6970997	0.986
	4-nitroaniline	14.02	10.00 NG/UL	4927114	6970997	0.283
	4,6-dinitro-2-meth	14.06	10.00 NG/UL	1863463	9974056	0.075
*	n-nitrosodiphenyla	14.21	10.00 NG/UL	12081833	9974056	0.485
	4-bromophenyl-phen	14.91	10.00 NG/UL	8315036	9974056	0.333
	hexachlorobenzene	14.91	10.00 NG/UL	1433814	9974056	0.058
*^	pentachlorophenol	15.41	10.00 NG/UL	5460522	9974056	0.219
	phenanthrene	15.76	10.00 NG/UL	25755075	9974056	1.033
	anthracene	15.86	10.00 NG/UL	26914723	9974056	1.079

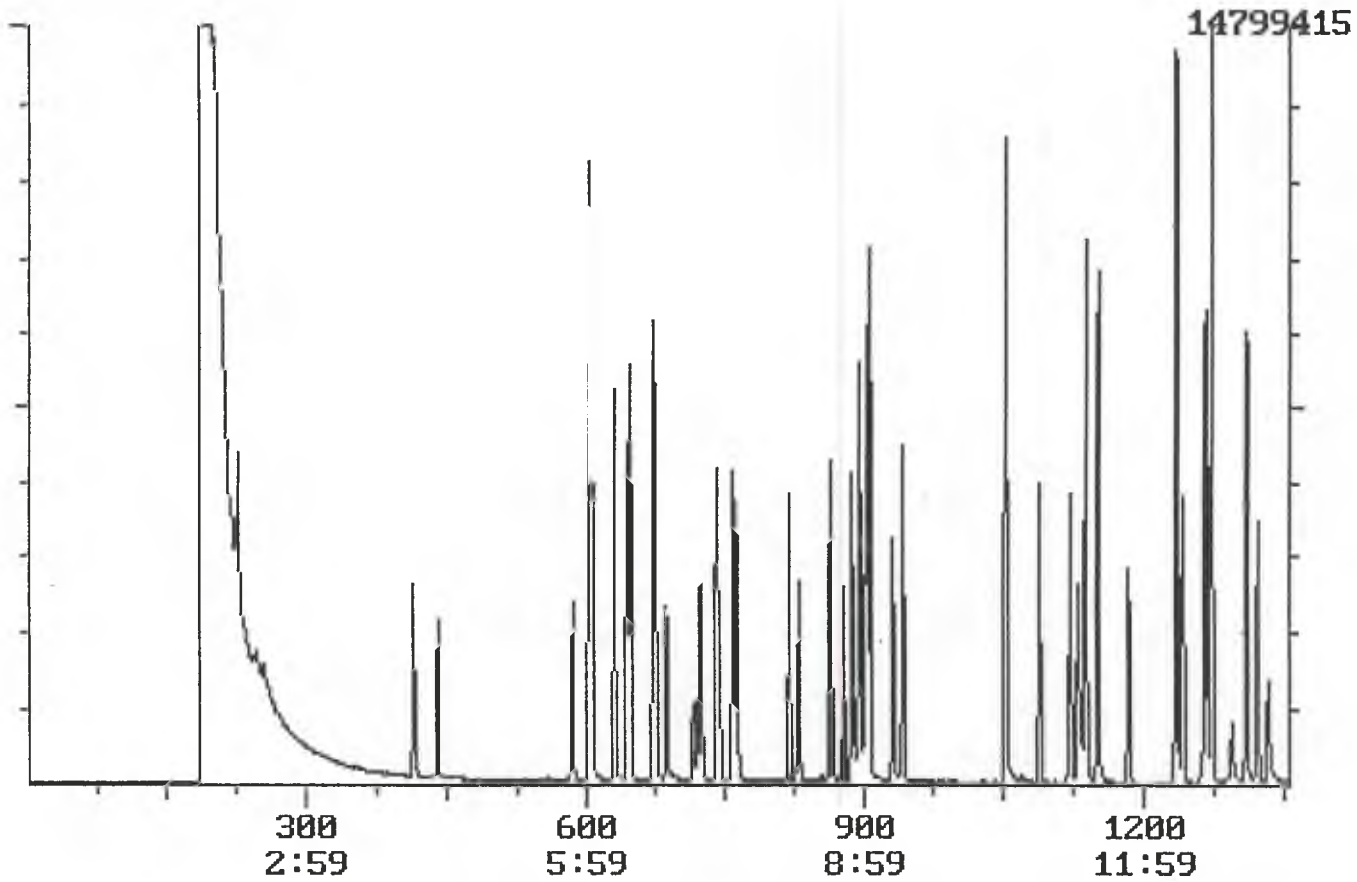
CALIBRATION STANDARD REPORT

DATAFILE : P10898 ANALYSIS DATE : 01/04/95 16:50
SAMPLE : 10.0 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	di-n-butylphthalat	17.28	10.00 NG/UL	26884807	9974056	1.078
*	fluoranthene	18.20	10.00 NG/UL	14776566	9974056	0.593
^	pyrene	18.64	10.00 NG/UL	14904148	5524539	1.079
	butylbenzylphthala	20.34	10.00 NG/UL	14967849	5524539	1.084
	3,3'-dichlorobenzi	21.25	10.00 NG/UL	8920894	5524539	0.646
	benzo(a)anthracene	21.17	10.00 NG/UL	16166739	5524539	1.171
	chrysene	21.24	10.00 NG/UL	11992256	5524539	0.868
	bis-(2-ethylhexyl)	21.67	10.00 NG/UL	21154929	5524539	1.532
*	di-n-octylphthalat	22.96	10.00 NG/UL	34893587	6743771	2.070
	benzo(b)fluoranthe	23.24	10.00 NG/UL	15362193	6743771	0.911
	benzo(k)fluoranthe	23.30	10.00 NG/UL	16172793	6743771	0.959
*	benzo(a)pyrene	23.80	10.00 NG/UL	14833097	6743771	0.880
	indeno(1,2,3-cd)py	25.70	10.00 NG/UL	14115446	6743771	0.837
	dibenzo(a,h)anthra	25.78	10.00 NG/UL	14838734	6743771	0.880
	benzo(g,h,i)peryle	26.17	10.00 NG/UL	15119247	6743771	0.897
	N-nitrosodimethlyamine	2.24	10.00 NG/UL	4133698	3151770	0.525
	pyridine	2.25	10.00 NG/UL	6264478	3151770	0.795
	1,2-diphenylhydrazine	14.24	10.00 NG/UL	12282639	9974056	0.493
	carbazole	16.30	10.00 NG/UL	23657157	9974056	0.949
	Benzidine	18.64	10.00 NG/UL	6440403	5524539	0.466
	Cyclohexanone	4.39	10.00 NG/UL	1971572	3151770	0.250

CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10899 ANALYSIS DATE : 01/04/95 17:27
SAMPLE : 5.0 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



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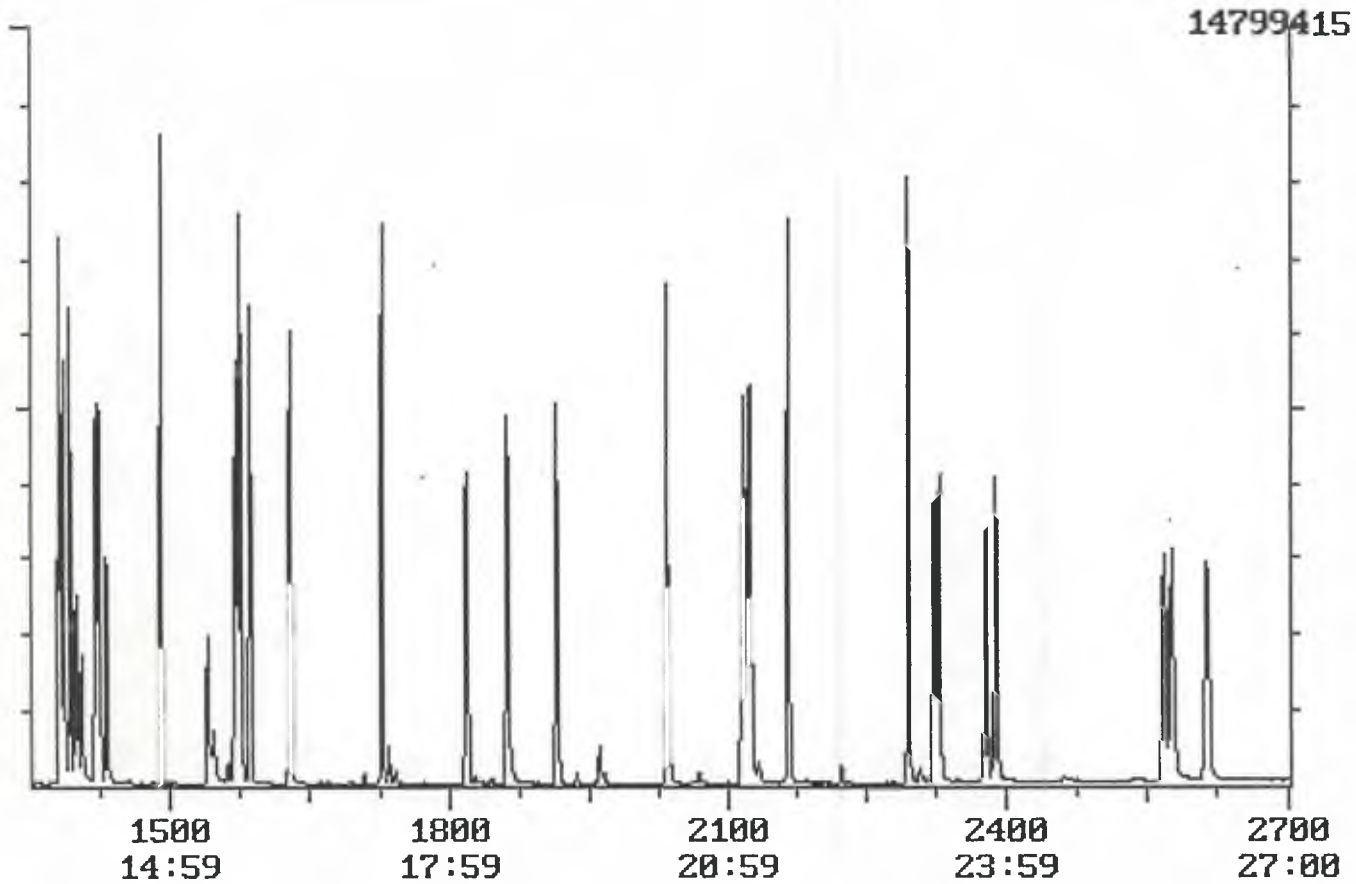
CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10899 ANALYSIS DATE : 01/04/95 17:27
SAMPLE : 5.0 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



CALIBRATION STANDARD REPORT

DATAFILE : P10899 ANALYSIS DATE : 01/04/95 17:27
SAMPLE : 5.0 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

Compound name	Ret. Time	Amount	Area	I.S. Area	RF
d4-1,4-diClbenzene	6.46	4.000 NG/UL	3178851	3178851	1.000
d8-naphthalene (I	9.03	4.000 NG/UL	10802689	10802689	1.000
d8-acenaphthene (I	12.66	4.000 NG/UL	6840256	6840256	1.000
d10-phenanthrene	15.70	4.000 NG/UL	10102728	10102728	1.000
d12-chrysene (IS)	21.18	4.000 NG/UL	6253992	6253992	1.000
d12-perylene (IS)	23.89	4.000 NG/UL	6785895	6785895	1.000
d5-nitrobenzene (S	7.61	5.000 NG/UL	2039092	10802689	0.151
2-fluorobiphenyl (	11.39	5.000 NG/UL	8716607	6840256	1.019
d14-terphenyl (SS)	19.16	5.000 NG/UL	6159583	6253992	0.788
d5-phenol (SS)	6.04	5.000 NG/UL	4943326	3178851	1.244
2-fluorophenol (SS	4.13	5.000 NG/UL	2514990	3178851	0.633
2,4,6-tribromophen	14.31	5.000 NG/UL	1497525	6840256	0.175
*^ phenol	6.07	5.000 NG/UL	4480046	3178851	1.127
bis-(2-chloroethyl	6.08	5.000 NG/UL	1342182	3178851	0.338
^ 2-chlorophenol	6.07	5.000 NG/UL	4288287	3178851	1.079
1,3-dichlorobenzen	6.32	5.000 NG/UL	5054405	3178851	1.272
^ 1,4-dichlorobenzene	6.49	5.000 NG/UL	5370095	3178851	1.351
benzyl alcohol	7.25	5.000 NG/UL	4590732	3178851	1.155
1,2-dichlorobenzen	6.76	5.000 NG/UL	5109809	3178851	1.286
2-methylphenol	7.25	5.000 NG/UL	2177362	3178851	0.548
bis-(2-chloroisopr	7.19	5.000 NG/UL	2609315	3178851	0.657
4-methylphenol	7.59	5.000 NG/UL	2920662	3178851	0.735
**^ n-nitroso-di-n-pro	7.45	5.000 NG/UL	1933823	3178851	0.487
hexachloroethane	7.42	5.000 NG/UL	1310037	3178851	0.330
nitrobenzene	7.65	5.000 NG/UL	2240827	10802689	0.166
isophorone	8.20	5.000 NG/UL	4376754	10802689	0.324
2-nitrophenol	8.30	5.000 NG/UL	2417249	10802689	0.179
2,4-dimethylphenol	8.64	5.000 NG/UL	2966075	10802689	0.220
benzoic acid	9.02	5.000 NG/UL	1209400	10802689	0.090
bis-(2-chloroethox	8.78	5.000 NG/UL	2097509	10802689	0.155
* 2,4-dichlorophenol	8.88	5.000 NG/UL	3732134	10802689	0.276

CALIBRATION STANDARD REPORT

DATAFILE : P10899 ANALYSIS DATE : 01/04/95 17:27
SAMPLE : 5.0 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
^	1,2,4-trichloroben	8.96	5.000 NG/UL	4522001	10802689	0.335
	naphthalene	9.07	5.000 NG/UL	12537617	10802689	0.928
	4-chloroaniline	9.32	5.000 NG/UL	4179053	10802689	0.309
*	hexachlorobutadien	9.42	5.000 NG/UL	1792478	10802689	0.133
^	4-chloro-3-methylp	10.52	5.000 NG/UL	2458020	10802689	0.182
	2-methylnaphthalen	10.53	5.000 NG/UL	8200169	10802689	0.607
**	hexachlorocyclopen	10.89	5.000 NG/UL	1950415	6840256	0.228
*	2,4,6-trichlorophe	11.22	5.000 NG/UL	1519720	6840256	0.178
	2,4,5-trichlorophe	11.31	5.000 NG/UL	1681661	6840256	0.197
	2-chloronaphthalen	11.52	5.000 NG/UL	8611292	6840256	1.007
	2-nitroaniline	11.84	5.000 NG/UL	1572163	6840256	0.184
	dimethyl phthalate	12.35	5.000 NG/UL	11942403	6840256	1.397
	acenaphthylene	12.34	5.000 NG/UL	12147970	6840256	1.421
	2,6-dinitrotoluene	12.41	5.000 NG/UL	2581940	6840256	0.302
	3-nitroaniline	12.72	5.000 NG/UL	1954517	6840256	0.229
* ^	acenaphthene	12.72	5.000 NG/UL	8266388	6840256	0.967
**	2,4-dinitrophenol	12.93	5.000 NG/UL	1403236	6840256	0.164
**^	4-nitrophenol	13.32	5.000 NG/UL	2377141	6840256	0.278
	dibenzofuran	13.09	5.000 NG/UL	10584260	6840256	1.238
^	2,4-dinitrotoluene	13.21	5.000 NG/UL	3874928	6840256	0.453
	diethylphthalate	13.85	5.000 NG/UL	9803358	6840256	1.147
	4-chlorophenyl-phe	13.92	5.000 NG/UL	2802819	6840256	0.328
	fluorene	13.80	5.000 NG/UL	8677357	6840256	1.015
	4-nitroaniline	13.99	5.000 NG/UL	2259713	6840256	0.264
	4,6-dinitro-2-meth	14.04	5.000 NG/UL	805798	10102728	0.064
*	n-nitrosodiphenyla	14.20	5.000 NG/UL	5290200	10102728	0.419
	4-bromophenyl-phen	14.91	5.000 NG/UL	3296628	10102728	0.261
	hexachlorobenzene	14.91	5.000 NG/UL	634284	10102728	0.050
*^	pentachlorophenol	15.40	5.000 NG/UL	2308870	10102728	0.183
	phenanthrene	15.75	5.000 NG/UL	12438767	10102728	0.985
	anthracene	15.86	5.000 NG/UL	12515830	10102728	0.991

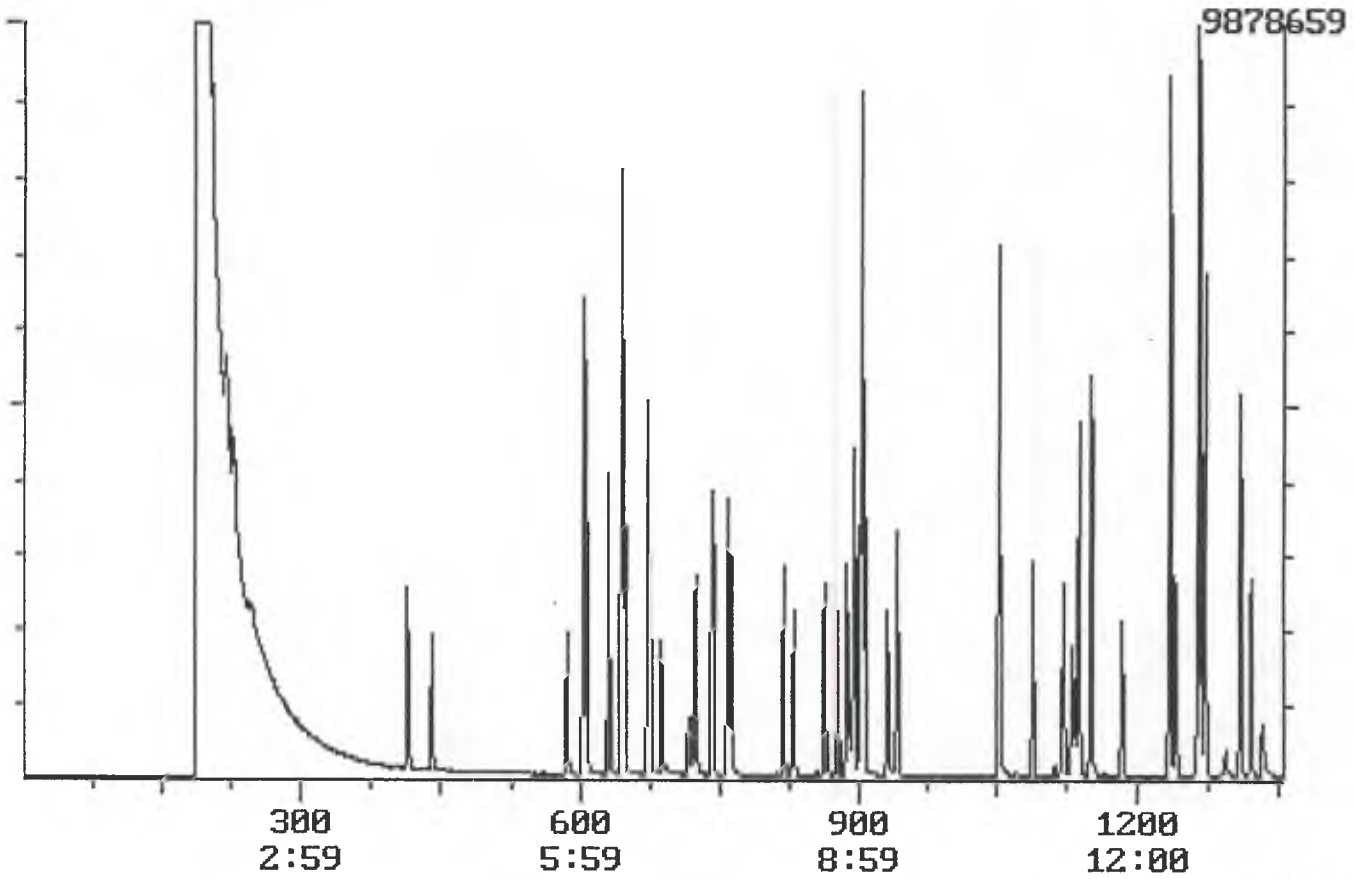
CALIBRATION STANDARD REPORT

DATAFILE : P10899 ANALYSIS DATE : 01/04/95 17:27
SAMPLE : 5.0 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	di-n-butylphthalat	17.28	5.000 NG/UL	15048803	10102728	1.192
*	fluoranthene	18.20	5.000 NG/UL	7257202	10102728	0.575
^	pyrene	18.63	5.000 NG/UL	7436200	6253992	0.951
	butylbenzylphthala	20.34	5.000 NG/UL	8399062	6253992	1.074
	3,3'-dichlorobenzi	21.25	5.000 NG/UL	3612859	6253992	0.462
	benzo(a)anthracene	21.16	5.000 NG/UL	7613505	6253992	0.974
	chrysene	21.23	5.000 NG/UL	6478829	6253992	0.829
	bis-(2-ethylhexyl)	21.66	5.000 NG/UL	11180902	6253992	1.430
*	di-n-octylphthalat	22.95	5.000 NG/UL	15814735	6785895	1.864
	benzo(b)fluoranthe	23.23	5.000 NG/UL	7372931	6785895	0.869
	benzo(k)fluoranthe	23.29	5.000 NG/UL	7689876	6785895	0.907
*	benzo(a)pyrene	23.79	5.000 NG/UL	6838093	6785895	0.806
	indeno(1,2,3-cd)py	25.68	5.000 NG/UL	6532291	6785895	0.770
	dibenzo(a,h)anthra	25.77	5.000 NG/UL	7243593	6785895	0.854
	benzo(g,h,i)peryle	26.14	5.000 NG/UL	7108561	6785895	0.838
	N-nitrosodimethlyamine	2.24	5.000 NG/UL	2703902	3178851	0.680
	pyridine	2.26	5.000 NG/UL	3159289	3178851	0.795
	1,2-diphenylhydrazine	14.24	5.000 NG/UL	6727175	10102728	0.533
	carbazole	16.29	5.000 NG/UL	11332589	10102728	0.897
	Benzidine	18.64	5.000 NG/UL	2549969	6253992	0.326
	Cyclohexanone	4.39	5.000 NG/UL	1167746	3178851	0.294

CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10900 ANALYSIS DATE : 01/04/95 18:03
SAMPLE : 2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



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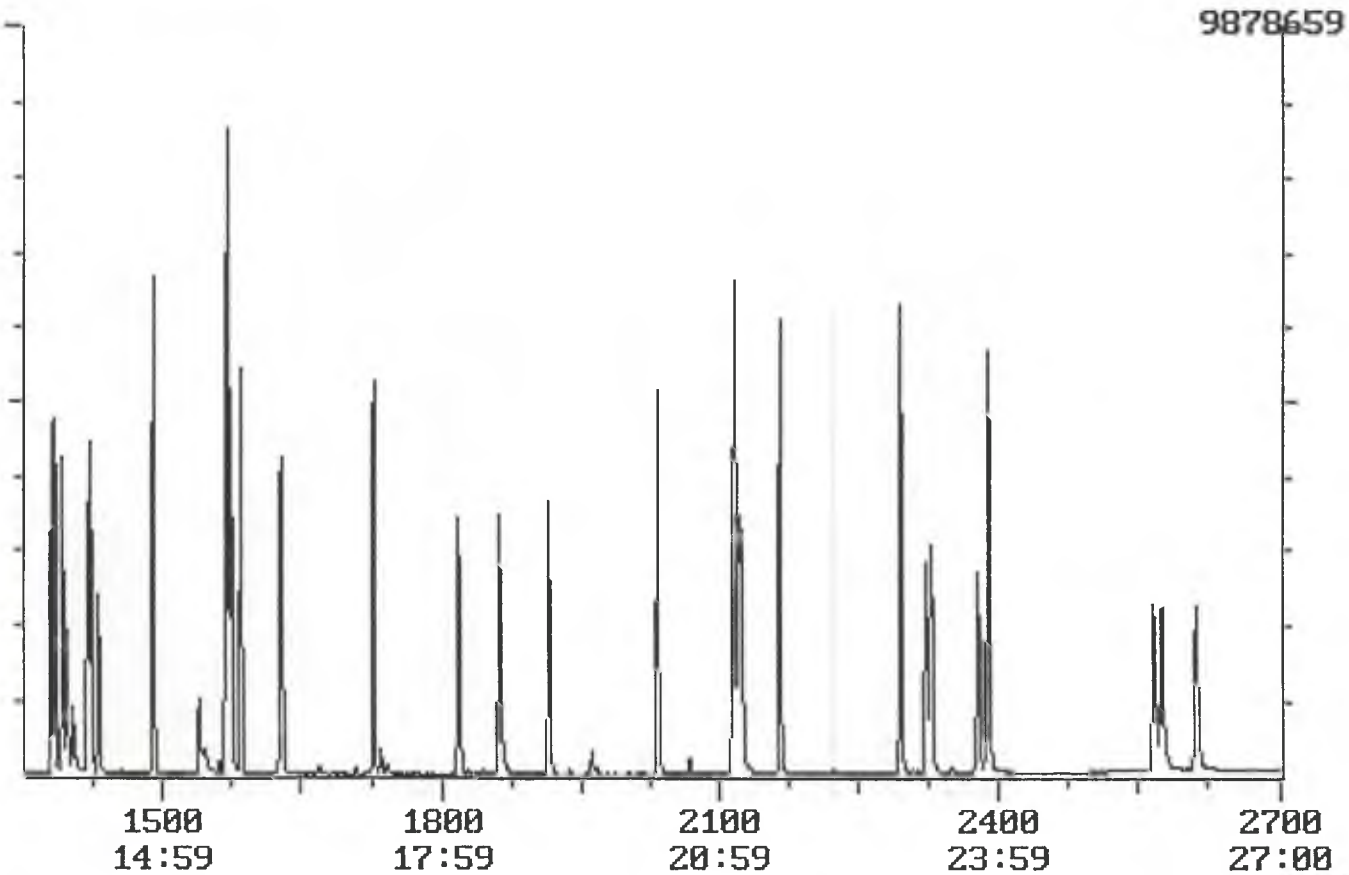
CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10900 ANALYSIS DATE : 01/04/95 18:03
SAMPLE : 2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



CALIBRATION STANDARD REPORT

DATAFILE : P10900 ANALYSIS DATE : 01/04/95 18:03
SAMPLE : 2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

Compound name	Ret. Time	Amount	Area	I.S. Area	RF
d4-1,4-diClbenzene	6.46	4.000 NG/UL	3417424	3417424	1.000
d8-naphthalene (I	9.03	4.000 NG/UL	10242953	10242953	1.000
d8-acenaphthene (I	12.65	4.000 NG/UL	7011931	7011931	1.000
d10-phenanthrene	15.70	4.000 NG/UL	9661927	9661927	1.000
d12-chrysene (IS)	21.17	4.000 NG/UL	6161902	6161902	1.000
d12-perylene (IS)	23.89	4.000 NG/UL	6495195	6495195	1.000
d5-nitrobenzene (S	7.60	2.500 NG/UL	1193069	10242953	0.186
2-fluorobiphenyl (	11.38	2.500 NG/UL	4167203	7011931	0.951
d14-terphenyl (SS)	19.15	2.500 NG/UL	2843227	6161902	0.738
d5-phenol (SS)	6.04	2.500 NG/UL	2011442	3417424	0.942
2-fluorophenol (SS	4.14	2.500 NG/UL	1270834	3417424	0.595
2,4,6-tribromophen	14.31	2.500 NG/UL	673988	7011931	0.154
*^ phenol	6.07	2.500 NG/UL	1956194	3417424	0.916
bis-(2-chloroethyl	6.08	2.500 NG/UL	701512	3417424	0.328
^ 2-chlorophenol	6.08	2.500 NG/UL	2177612	3417424	1.020
1,3-dichlorobenzen	6.32	2.500 NG/UL	2536808	3417424	1.188
^ 1,4-dichlorobenzene	6.49	2.500 NG/UL	2604799	3417424	1.220
benzyl alcohol	7.25	2.500 NG/UL	2331612	3417424	1.092
1,2-dichlorobenzen	6.76	2.500 NG/UL	2703443	3417424	1.266
2-methylphenol	7.25	2.500 NG/UL	1070813	3417424	0.501
bis-(2-chloroisopr	7.19	2.500 NG/UL	1316289	3417424	0.616
4-methylphenol	7.59	2.500 NG/UL	1205307	3417424	0.564
**^ n-nitroso-di-n-pro	7.44	2.500 NG/UL	919737	3417424	0.431
hexachloroethane	7.42	2.500 NG/UL	642602	3417424	0.301
nitrobenzene	7.64	2.500 NG/UL	1267012	10242953	0.198
isophorone	8.19	2.500 NG/UL	2045293	10242953	0.319
2-nitrophenol	8.30	2.500 NG/UL	1198671	10242953	0.187
2,4-dimethylphenol	8.64	2.500 NG/UL	1348787	10242953	0.211
benzoic acid	8.95	2.500 NG/UL	421690	10242953	0.066
bis-(2-chloroethox	8.78	2.500 NG/UL	1132168	10242953	0.177
* 2,4-dichlorophenol	8.88	2.500 NG/UL	1703906	10242953	0.266

CALIBRATION STANDARD REPORT

DATAFILE : P10900 ANALYSIS DATE : 01/04/95 18:03
SAMPLE : 2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
^	1,2,4-trichloroben	8.96	2.500 NG/UL	2360515	10242953	0.369
	naphthalene	9.07	2.500 NG/UL	6024059	10242953	0.941
	4-chloroaniline	9.32	2.500 NG/UL	1936267	10242953	0.302
*	hexachlorobutadien	9.42	2.500 NG/UL	886703	10242953	0.139
^	4-chloro-3-methylp	10.53	2.500 NG/UL	1151974	10242953	0.180
	2-methylnaphthalen	10.53	2.500 NG/UL	4061640	10242953	0.634
**	hexachlorocyclopen	10.89	2.500 NG/UL	874540	7011931	0.200
*	2,4,6-trichlorophe	11.22	2.500 NG/UL	710988	7011931	0.162
	2,4,5-trichlorophe	11.31	2.500 NG/UL	739619	7011931	0.169
	2-chloronaphthalen	11.51	2.500 NG/UL	4125855	7011931	0.941
	2-nitroaniline	11.84	2.500 NG/UL	827965	7011931	0.189
	dimethyl phthalate	12.34	2.500 NG/UL	5928389	7011931	1.353
	acenaphthylene	12.34	2.500 NG/UL	6091107	7011931	1.390
	2,6-dinitrotoluene	12.40	2.500 NG/UL	1187195	7011931	0.271
	3-nitroaniline	12.71	2.500 NG/UL	918867	7011931	0.210
* ^	acenaphthene	12.72	2.500 NG/UL	3635399	7011931	0.830
**	2,4-dinitrophenol	12.93	2.500 NG/UL	460905	7011931	0.105
**^	4-nitrophenol	13.32	2.500 NG/UL	1056213	7011931	0.241
	dibenzofuran	13.09	2.500 NG/UL	5013740	7011931	1.144
^	2,4-dinitrotoluene	13.21	2.500 NG/UL	1843255	7011931	0.421
	diethylphthalate	13.84	2.500 NG/UL	4965324	7011931	1.133
	4-chlorophenyl-phe	13.92	2.500 NG/UL	1247108	7011931	0.285
	fluorene	13.79	2.500 NG/UL	4061615	7011931	0.927
	4-nitroaniline	13.97	2.500 NG/UL	1029455	7011931	0.235
	4,6-dinitro-2-meth	14.03	2.500 NG/UL	298522	9661927	0.049
*	n-nitrosodiphenyla	14.19	2.500 NG/UL	2562025	9661927	0.424
	4-bromophenyl-phen	14.90	2.500 NG/UL	1273410	9661927	0.211
	hexachlorobenzene	14.90	2.500 NG/UL	274512	9661927	0.045
*^	pentachlorophenol	15.40	2.500 NG/UL	831043	9661927	0.138
	phenanthrene	15.75	2.500 NG/UL	5814251	9661927	0.963
	anthracene	15.85	2.500 NG/UL	5774084	9661927	0.956

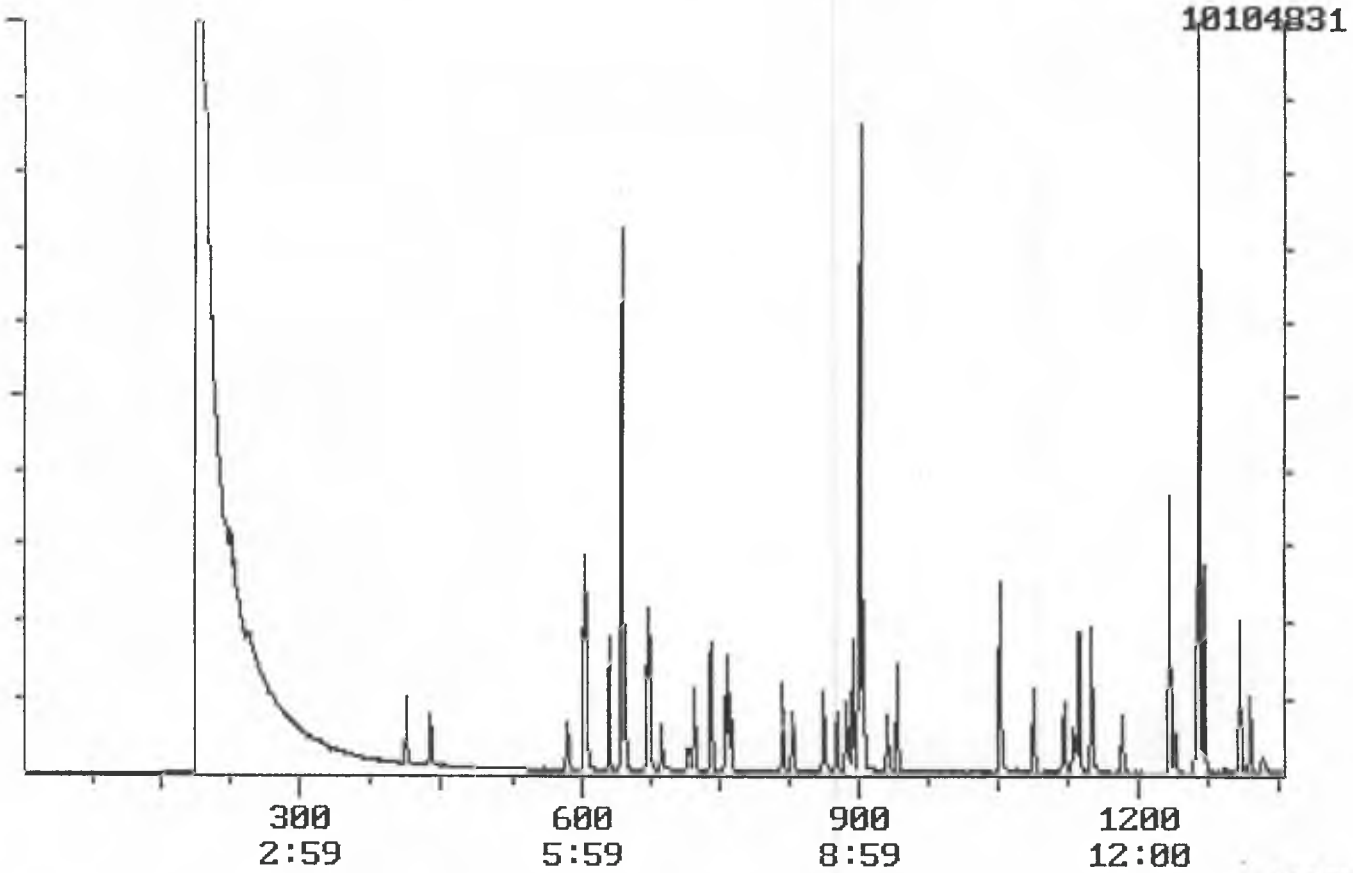
CALIBRATION STANDARD REPORT

DATAFILE : P10900 ANALYSIS DATE : 01/04/95 18:03
SAMPLE : 2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	di-n-butylphthalat	17.27	2.500 NG/UL	7266120	9661927	1.203
*	fluoranthene	18.19	2.500 NG/UL	3463379	9661927	0.574
^	pyrene	18.62	2.500 NG/UL	3339694	6161902	0.867
	butylbenzylphthala	20.34	2.500 NG/UL	4014419	6161902	1.042
	3,3'-dichlorobenzi	21.24	2.500 NG/UL	1491039	6161902	0.387
	benzo(a)anthracene	21.16	2.500 NG/UL	3454340	6161902	0.897
	chrysene	21.22	2.500 NG/UL	3050015	6161902	0.792
	bis-(2-ethylhexyl)	21.66	2.500 NG/UL	5596116	6161902	1.453
*	di-n-octylphthalat	22.95	2.500 NG/UL	9199184	6495195	2.266
	benzo(b)fluoranthe	23.22	2.500 NG/UL	3263620	6495195	0.804
	benzo(k)fluoranthe	23.28	2.500 NG/UL	3554186	6495195	0.876
*	benzo(a)pyrene	23.78	2.500 NG/UL	3007352	6495195	0.741
	indeno(1,2,3-cd)py	25.67	2.500 NG/UL	2873703	6495195	0.708
	dibenzo(a,h)anthra	25.76	2.500 NG/UL	3165744	6495195	0.780
	benzo(g,h,i)peryle	26.12	2.500 NG/UL	3138969	6495195	0.773
	N-nitrosodimethlyamine	2.25	2.500 NG/UL	1474804	3417424	0.690
	pyridine	2.28	2.500 NG/UL	1751460	3417424	0.820
	1,2-diphenylhydrazine	14.23	2.500 NG/UL	3416275	9661927	0.566
	carbazole	16.29	2.500 NG/UL	5129051	9661927	0.849
	Benzidine	18.64	2.500 NG/UL	1563461	6161902	0.406
	Cyclohexanone	4.39	2.500 NG/UL	670416	3417424	0.314

CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10901 ANALYSIS DATE : 01/04/95 18:40
SAMPLE : 1.0 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

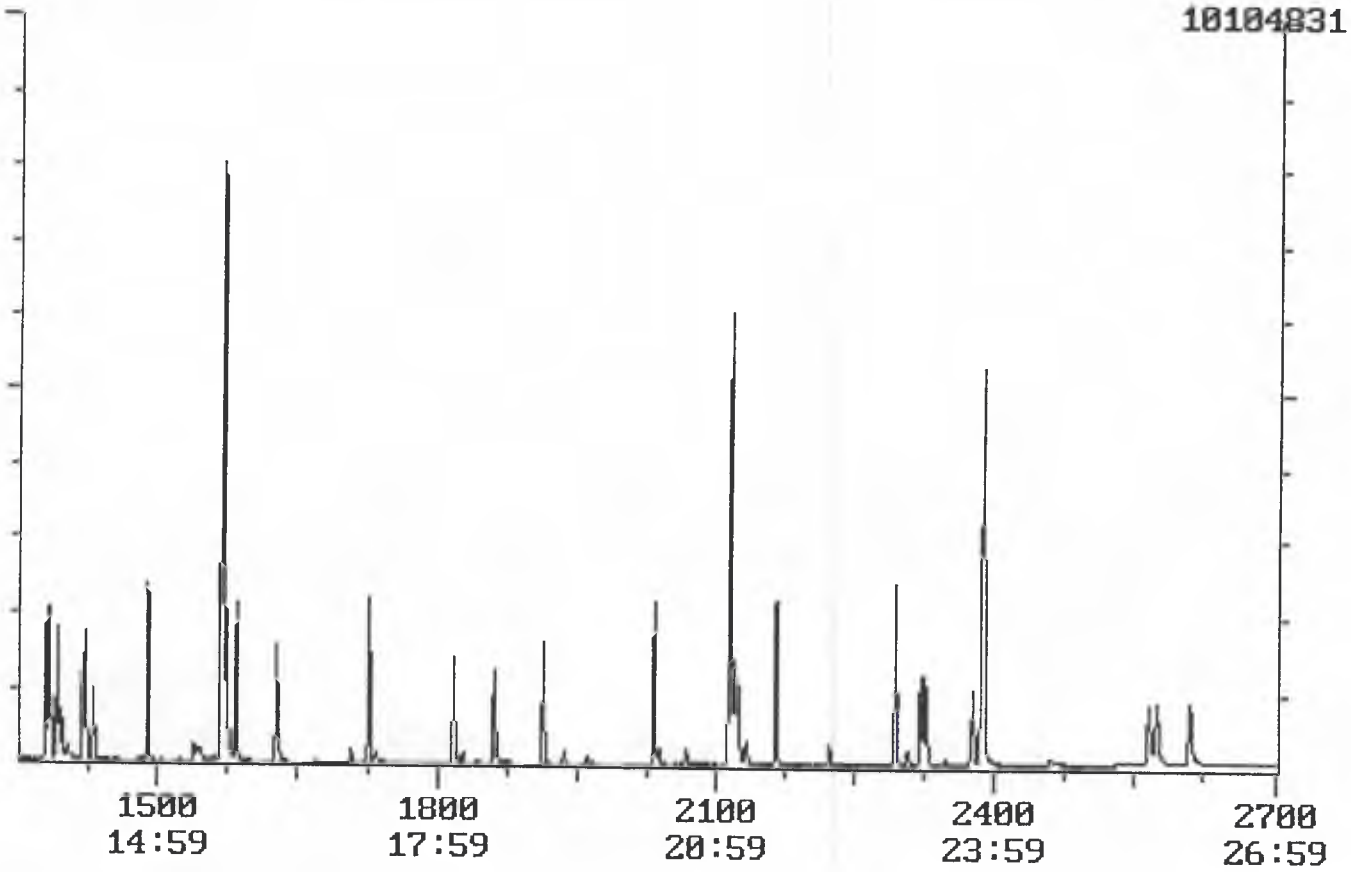


PAGE 1

CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10901
SAMPLE : 1.0 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

ANALYSIS DATE : 01/04/95 18:40



CALIBRATION STANDARD REPORT

DATAFILE : P10901 ANALYSIS DATE : 01/04/95 18:40
SAMPLE : 1.0 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

Compound name	Ret. Time	Amount	Area	I.S. Area	RF
d4-1,4-diClbenzene	6.45	4.000 NG/UL	3376039	3376039	1.000
d8-naphthalene (I	9.02	4.000 NG/UL	10103416	10103416	1.000
d8-acenaphthene (I	12.65	4.000 NG/UL	6617262	6617262	1.000
d10-phenanthrene	15.69	4.000 NG/UL	9424140	9424140	1.000
d12-chrysene (IS)	21.16	4.000 NG/UL	6119476	6119476	1.000
d12-perylene (IS)	23.88	4.000 NG/UL	6308348	6308348	1.000
d5-nitrobenzene (S	7.59	1.000 NG/UL	523716	10103416	0.207
2-fluorobiphenyl (	11.38	1.000 NG/UL	1552949	6617262	0.939
d14-terphenyl (SS)	19.15	1.000 NG/UL	1145821	6119476	0.749
d5-phenol (SS)	6.03	1.000 NG/UL	594868	3376039	0.705
2-fluorophenol (SS	4.13	1.000 NG/UL	476634	3376039	0.565
2,4,6-tribromophen	14.30	1.000 NG/UL	210546	6617262	0.127
*^ phenol	6.05	1.000 NG/UL	670302	3376039	0.794
bis-(2-chloroethyl	6.07	1.000 NG/UL	300502	3376039	0.356
^ 2-chlorophenol	6.06	1.000 NG/UL	914323	3376039	1.083
1,3-dichlorobenzen	6.31	1.000 NG/UL	1104254	3376039	1.308
^ 1,4-dichlorobenzene	6.48	1.000 NG/UL	1094534	3376039	1.297
benzyl alcohol	7.23	1.000 NG/UL	872546	3376039	1.034
1,2-dichlorobenzen	6.75	1.000 NG/UL	1063441	3376039	1.260
2-methylphenol	7.23	1.000 NG/UL	386453	3376039	0.458
bis-(2-chloroisopr	7.16	1.000 NG/UL	519657	3376039	0.616
4-methylphenol	7.58	1.000 NG/UL	406988	3376039	0.482
**^ n-nitroso-di-n-pro	7.42	1.000 NG/UL	368658	3376039	0.437
hexachloroethane	7.41	1.000 NG/UL	251637	3376039	0.298
nitrobenzene	7.63	1.000 NG/UL	531762	10103416	0.211
isophorone	8.18	1.000 NG/UL	800588	10103416	0.317
2-nitrophenol	8.29	1.000 NG/UL	420797	10103416	0.167
2,4-dimethylphenol	8.63	1.000 NG/UL	571627	10103416	0.226
benzoic acid	8.88	1.000 NG/UL	106877	10103416	0.042
bis-(2-chloroethox	8.77	1.000 NG/UL	472498	10103416	0.187
* 2,4-dichlorophenol	8.87	1.000 NG/UL	634888	10103416	0.251

CALIBRATION STANDARD REPORT

DATAFILE : P10901 ANALYSIS DATE : 01/04/95 18:40
SAMPLE : 1.0 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
^	1,2,4-trichloroben	8.95	1.000 NG/UL	925327	10103416	0.366
	naphthalene	9.06	1.000 NG/UL	2562248	10103416	1.014
	4-chloroaniline	9.31	1.000 NG/UL	704906	10103416	0.279
*	hexachlorobutadien	9.42	1.000 NG/UL	349149	10103416	0.138
^	4-chloro-3-methylp	10.52	1.000 NG/UL	454692	10103416	0.180
	2-methylnaphthalen	10.52	1.000 NG/UL	1637695	10103416	0.648
**	hexachlorocyclopen	10.89	1.000 NG/UL	354687	6617262	0.214
*	2,4,6-trichlorophe	11.21	1.000 NG/UL	237337	6617262	0.143
	2,4,5-trichlorophe	11.32	1.000 NG/UL	258414	6617262	0.156
	2-chloronaphthalen	11.50	1.000 NG/UL	1535747	6617262	0.928
	2-nitroaniline	11.83	1.000 NG/UL	310367	6617262	0.188
	dimethyl phthalate	12.33	1.000 NG/UL	2171895	6617262	1.313
	acenaphthylene	12.33	1.000 NG/UL	2358229	6617262	1.426
	2,6-dinitrotoluene	12.39	1.000 NG/UL	446606	6617262	0.270
	3-nitroaniline	12.70	1.000 NG/UL	325970	6617262	0.197
* ^	acenaphthene	12.71	1.000 NG/UL	1341381	6617262	0.811
**	2,4-dinitrophenol	12.93	1.000 NG/UL	83516	6617262	0.050
**^	4-nitrophenol	13.33	1.000 NG/UL	355321	6617262	0.215
	dibenzofuran	13.08	1.000 NG/UL	2053889	6617262	1.242
^	2,4-dinitrotoluene	13.20	1.000 NG/UL	684226	6617262	0.414
	diethylphthalate	13.83	1.000 NG/UL	1895406	6617262	1.146
	4-chlorophenyl-phe	13.91	1.000 NG/UL	505162	6617262	0.305
	fluorene	13.79	1.000 NG/UL	1493997	6617262	0.903
	4-nitroaniline	13.95	1.000 NG/UL	380895	6617262	0.230
	4,6-dinitro-2-meth	14.01	1.000 NG/UL	73992	9424140	0.031
*	n-nitrosodiphenyla	14.18	1.000 NG/UL	891538	9424140	0.378
	4-bromophenyl-phen	14.89	1.000 NG/UL	416234	9424140	0.177
	hexachlorobenzene	14.89	1.000 NG/UL	111008	9424140	0.047
*^	pentachlorophenol	15.39	1.000 NG/UL	254296	9424140	0.108
	phenanthrene	15.73	1.000 NG/UL	2192372	9424140	0.931
	anthracene	15.84	1.000 NG/UL	2138355	9424140	0.908

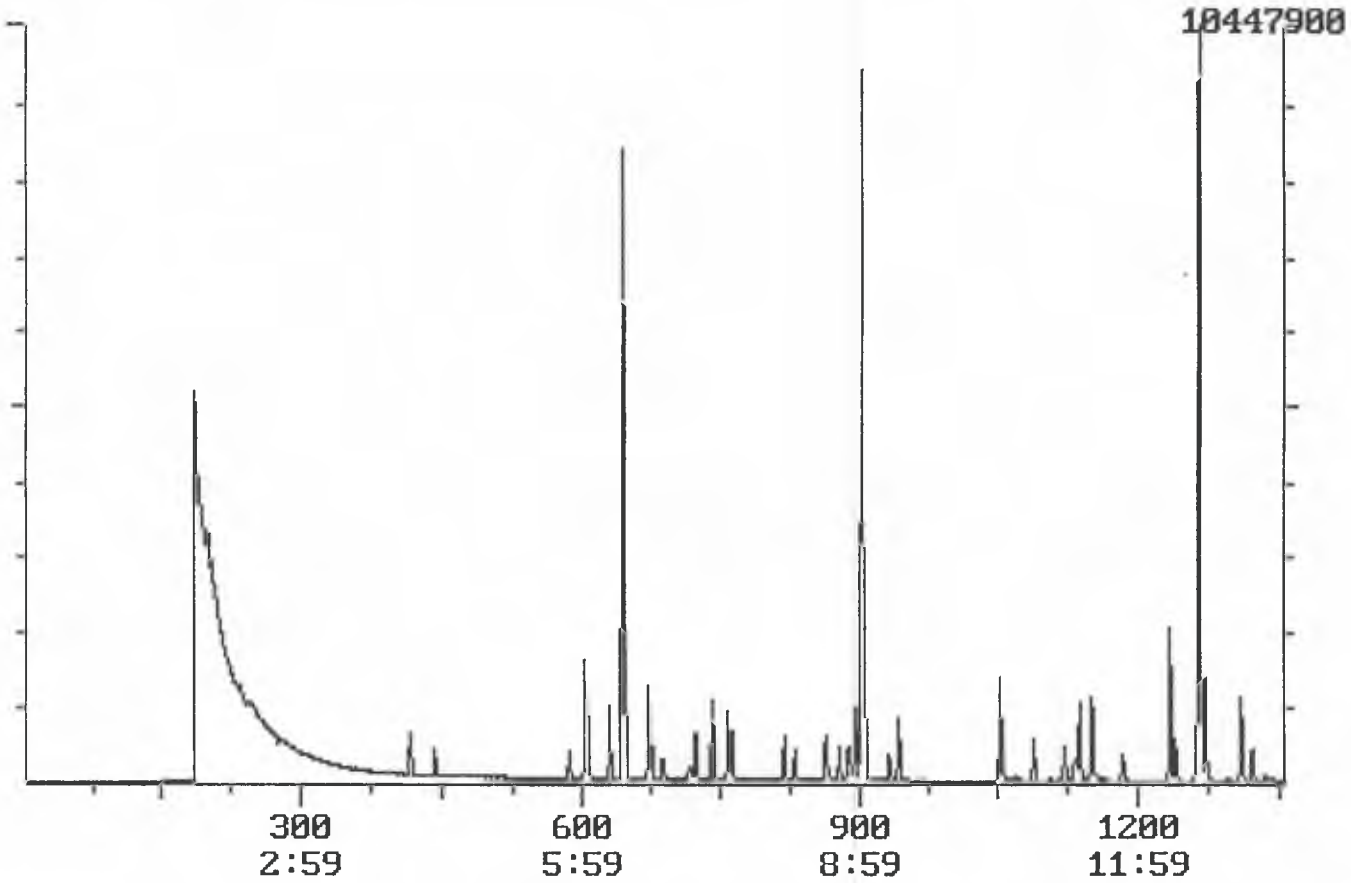
CALIBRATION STANDARD REPORT

DATAFILE : P10901 ANALYSIS DATE : 01/04/95 18:40
SAMPLE : 1.0 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	di-n-butylphthalat	17.27	1.000 NG/UL	3139896	9424140	1.333
*	fluoranthene	18.18	1.000 NG/UL	1314157	9424140	0.558
^	pyrene	18.61	1.000 NG/UL	1292510	6119476	0.845
	butylbenzylphthala	20.33	1.000 NG/UL	1641837	6119476	1.073
	3,3'-dichlorobenzi	21.24	1.000 NG/UL	539822	6119476	0.353
	benzo(a)anthracene	21.15	1.000 NG/UL	1230912	6119476	0.805
	chrysene	21.21	1.000 NG/UL	1204926	6119476	0.788
	bis-(2-ethylhexyl)	21.66	1.000 NG/UL	2257077	6119476	1.475
*	di-n-octylphthalat	22.94	1.000 NG/UL	3671930	6308348	2.328
	benzo(b)fluoranthe	23.21	1.000 NG/UL	1296455	6308348	0.822
	benzo(k)fluoranthe	23.26	1.000 NG/UL	1322386	6308348	0.838
*	benzo(a)pyrene	23.77	1.000 NG/UL	1103301	6308348	0.700
	indeno(1,2,3-cd)py	25.66	1.000 NG/UL	1034504	6308348	0.656
	dibenzo(a,h)anthra	25.74	1.000 NG/UL	1178937	6308348	0.748
	benzo(g,h,i)peryle	26.11	1.000 NG/UL	1098657	6308348	0.697
	N-nitrosodimethlyamine	2.26	1.000 NG/UL	511882	3376039	0.606
	pyridine	2.29	1.000 NG/UL	504701	3376039	0.598
	1,2-diphenylhydrazine	14.22	1.000 NG/UL	1388473	9424140	0.589
	carbazole	16.27	1.000 NG/UL	1899902	9424140	0.806
	Benzidine	18.64	1.000 NG/UL	290034	6119476	0.190
	Cyclohexanone	4.38	1.000 NG/UL	254383	3376039	0.301

CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10902 ANALYSIS DATE : 01/04/95 19:17
SAMPLE : 0.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



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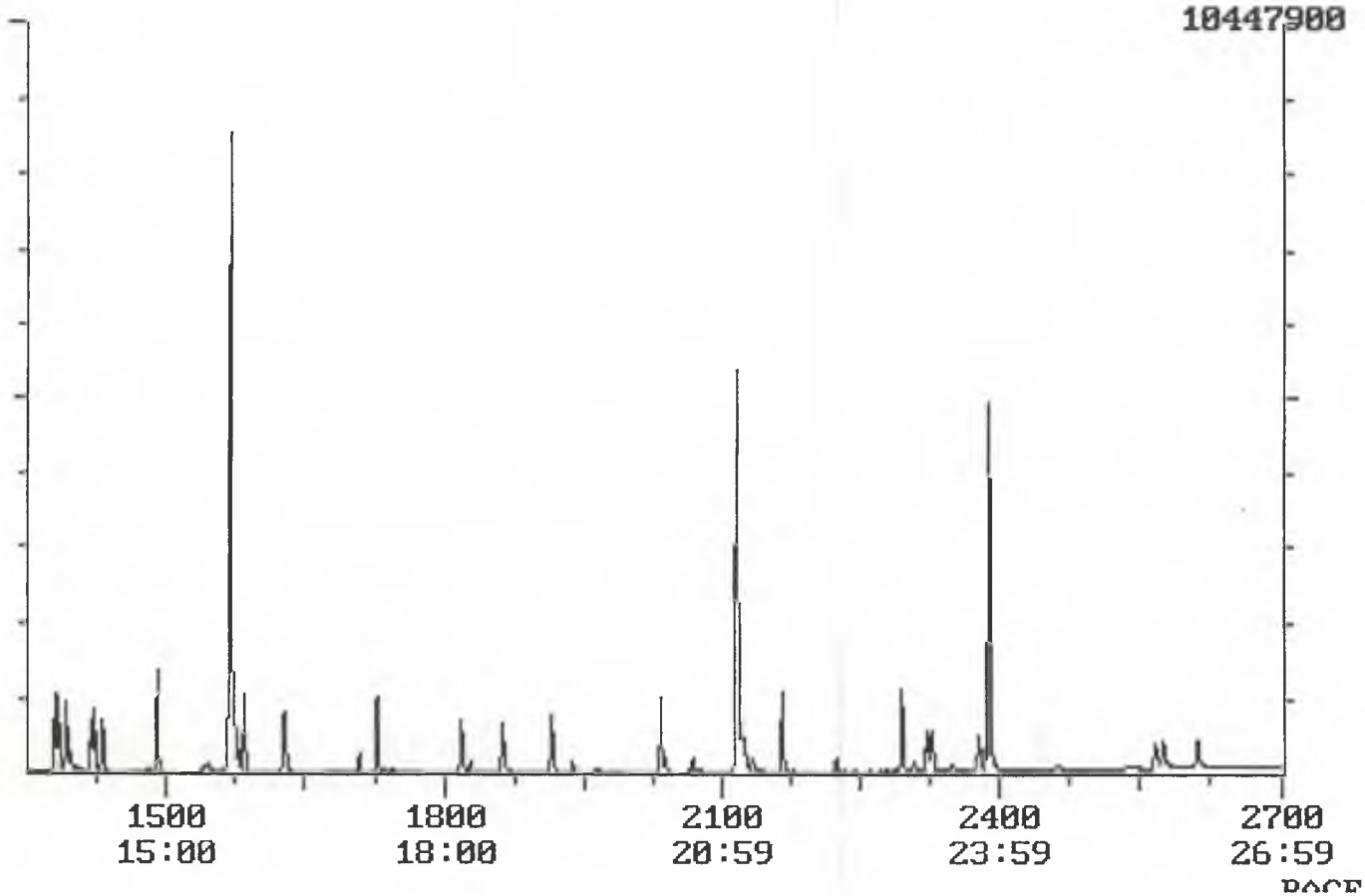
CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10902 ANALYSIS DATE : 01/04/95 19:17
SAMPLE : 0.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



CALIBRATION STANDARD REPORT

DATAFILE : P10902
SAMPLE : 0.5 NG/UL 8270 CCAL STD NO. 121494-40-1
ANALYSIS DATE : 01/04/95 19:17
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	d4-1,4-diClbenzene	6.46	4.000 NG/UL	3761169	3761169	1.000
	d8-naphthalene (I	9.03	4.000 NG/UL	11876814	11876814	1.000
	d8-acenaphthene (I	12.66	4.000 NG/UL	7075090	7075090	1.000
	d10-phenanthrene	15.70	4.000 NG/UL	9611343	9611343	1.000
	d12-chrysene (IS)	21.17	4.000 NG/UL	5471970	5471970	1.000
	d12-perylene (IS)	23.89	4.000 NG/UL	5856335	5856335	1.000
	d5-nitrobenzene (S	7.60	0.500 NG/UL	303033	11876814	0.204
	2-fluorobiphenyl (	11.38	0.500 NG/UL	905523	7075090	1.024
	d14-terphenyl (SS)	19.16	0.500 NG/UL	568513	5471970	0.831
	d5-phenol (SS)	6.05	0.500 NG/UL	348292	3761169	0.741
	2-fluorophenol (SS	4.15	0.500 NG/UL	294134	3761169	0.626
	2,4,6-tribromophen	14.31	0.500 NG/UL	93804	7075090	0.106
*^	phenol	6.07	0.500 NG/UL	351788	3761169	0.748
	bis-(2-chloroethyl	6.08	0.500 NG/UL	160769	3761169	0.342
^	2-chlorophenol	6.08	0.500 NG/UL	531243	3761169	1.130
	1,3-dichlorobenzen	6.32	0.500 NG/UL	604123	3761169	1.285
^	1,4-dichlorobenzene	6.49	0.500 NG/UL	680472	3761169	1.447
	benzyl alcohol	7.25	0.500 NG/UL	497761	3761169	1.059
	1,2-dichlorobenzen	6.76	0.500 NG/UL	652686	3761169	1.388
	2-methylphenol	7.25	0.500 NG/UL	225712	3761169	0.480
	bis-(2-chloroisopr	7.17	0.500 NG/UL	308197	3761169	0.656
	4-methylphenol	7.59	0.500 NG/UL	231259	3761169	0.492
**^	n-nitroso-di-n-pro	7.43	0.500 NG/UL	222386	3761169	0.473
	hexachloroethane	7.43	0.500 NG/UL	163209	3761169	0.347
	nitrobenzene	7.64	0.500 NG/UL	335824	11876814	0.226
	isophorone	8.19	0.500 NG/UL	426940	11876814	0.288
	2-nitrophenol	8.30	0.500 NG/UL	228008	11876814	0.154
	2,4-dimethylphenol	8.64	0.500 NG/UL	341594	11876814	0.230
	benzoic acid	9.03	0.500 NG/UL	35956	11876814	0.024
	bis-(2-chloroethox	8.78	0.500 NG/UL	291597	11876814	0.196
*	2,4-dichlorophenol	8.89	0.500 NG/UL	365675	11876814	0.246

CALIBRATION STANDARD REPORT

DATAFILE : P10902
SAMPLE : 0.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis
ANALYSIS DATE : 01/04/95 19:17

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
^	1,2,4-trichloroben	8.96	0.500 NG/UL	517242	11876814	0.348
	naphthalene	9.07	0.500 NG/UL	1466041	11876814	0.987
	4-chloroaniline	9.32	0.500 NG/UL	373202	11876814	0.251
*	hexachlorobutadien	9.43	0.500 NG/UL	216087	11876814	0.146
^	4-chloro-3-methylp	10.54	0.500 NG/UL	251339	11876814	0.169
	2-methylnaphthalen	10.53	0.500 NG/UL	967812	11876814	0.652
**	hexachlorocyclopen	10.89	0.500 NG/UL	186793	7075090	0.211
*	2,4,6-trichlorophe	11.22	0.500 NG/UL	130362	7075090	0.147
	2,4,5-trichlorophe	11.33	0.500 NG/UL	126884	7075090	0.143
	2-chloronaphthalen	11.51	0.500 NG/UL	904136	7075090	1.022
	2-nitroaniline	11.84	0.500 NG/UL	163033	7075090	0.184
	dimethyl phthalate	12.34	0.500 NG/UL	1179833	7075090	1.334
	acenaphthylene	12.34	0.500 NG/UL	1324991	7075090	1.498
	2,6-dinitrotoluene	12.40	0.500 NG/UL	218454	7075090	0.247
	3-nitroaniline	12.71	0.500 NG/UL	127648	7075090	0.144
* ^	acenaphthene	12.71	0.500 NG/UL	764667	7075090	0.865
**	2,4-dinitrophenol	12.74	0.500 NG/UL	24962	7075090	0.028
**^	4-nitrophenol	13.35	0.500 NG/UL	122060	7075090	0.138
	dibenzofuran	13.09	0.500 NG/UL	1141126	7075090	1.290
^	2,4-dinitrotoluene	13.21	0.500 NG/UL	322897	7075090	0.365
	diethylphthalate	13.84	0.500 NG/UL	1123062	7075090	1.270
	4-chlorophenyl-phe	13.92	0.500 NG/UL	279389	7075090	0.316
	fluorene	13.79	0.500 NG/UL	867911	7075090	0.981
	4-nitroaniline	13.96	0.500 NG/UL	145387	7075090	0.164
	4,6-dinitro-2-meth	14.02	0.500 NG/UL	21371	9611343	0.018
*	n-nitrosodiphenyla	14.19	0.500 NG/UL	489941	9611343	0.408
	4-bromophenyl-phen	14.90	0.500 NG/UL	220720	9611343	0.184
	hexachlorobenzene	14.90	0.500 NG/UL	58909	9611343	0.049
*^	pentachlorophenol	15.40	0.500 NG/UL	76593	9611343	0.064
	phenanthrene	15.74	0.500 NG/UL	1175477	9611343	0.978
	anthracene	15.85	0.500 NG/UL	1117080	9611343	0.930

CALIBRATION STANDARD REPORT

DATAFILE : P10902 ANALYSIS DATE : 01/04/95 19:17
SAMPLE : 0.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	di-n-butylphthalat	17.28	0.500 NG/UL	1654969	9611343	1.378
*	fluoranthene	18.19	0.500 NG/UL	655062	9611343	0.545
^	pyrene	18.62	0.500 NG/UL	674060	5471970	0.985
	butylbenzylphthala	20.34	0.500 NG/UL	769792	5471970	1.125
	3,3'-dichlorobenzi	21.25	0.500 NG/UL	231412	5471970	0.338
	benzo(a)anthracene	21.15	0.500 NG/UL	455874	5471970	0.666
	chrysene	21.21	0.500 NG/UL	580570	5471970	0.849
	bis-(2-ethylhexyl)	21.66	0.500 NG/UL	1114814	5471970	1.630
*	di-n-octylphthalat	22.95	0.500 NG/UL	1814130	5856335	2.478
	benzo(b)fluoranthe	23.22	0.500 NG/UL	554913	5856335	0.758
	benzo(k)fluoranthe	23.27	0.500 NG/UL	693146	5856335	0.947
*	benzo(a)pyrene	23.77	0.500 NG/UL	526611	5856335	0.719
	indeno(1,2,3-cd)py	25.67	0.500 NG/UL	475133	5856335	0.649
	dibenzo(a,h)anthra	25.75	0.500 NG/UL	568446	5856335	0.777
	benzo(g,h,i)peryle	26.12	0.500 NG/UL	498752	5856335	0.681
N-nitrosodimethlyamine		2.30	0.500 NG/UL	229525	3761169	0.488
pyridine		2.34	0.500 NG/UL	242944	3761169	0.517
1,2-diphenylhydrazine		14.23	0.500 NG/UL	733720	9611343	0.611
carbazole		16.29	0.500 NG/UL	970030	9611343	0.807
Benzidine		18.65	0.500 NG/UL	118972	5471970	0.174
Cyclohexanone		4.41	0.500 NG/UL	170960	3761169	0.364

CONTINUING CALIBRATION DATA

Sample Queue Report

INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner

P10748	DFTPP
P10749	2.5 NG/UL 8150 CCAL STD NO. 12593-50
P10750	HB047 MB 10 ML EXT.
P10751	HB047 BS 10 ML EXT.
P10752	HB047 BSD 10 ML EXT.
P10753	45230-3 HB047 1ML 10 ML EXT. 1/10 DIL.
P10754	45230-3 HB047 1ML 10 ML EXT. 1/100DIL.
P10755	HB048 MB
P10756	45230-1 HB048 10ML 1/10 DIL.
P10757	45230-2 HB048 10ML 1/10 DIL.
P10758	45230-4 HB048 10ML 1/10 DIL.
P10759	45230-5 HB048 10ML 1/10 DIL.
P10760	45230-6 HB048 10ML 1/10 DIL.
P10761	45230-7 HB048 10ML 1/10 DIL.
P10762	45230-8 HB048 10ML 1/10 DIL.
P10763	45230-9 HB048 10ML 1/10 DIL.
P10764	45230-10 HB048 10ML 1/10 DIL.
P10765	45230-11 HB048 10ML 1/10 DIL.
P10766	45230-12 HB048 10ML 1/10 DIL.
P10767	45230-13 HB048 10ML 1/10 DIL.
P10768	45230-13MS HB048 10ML 1/10 DIL.
P10769	45230-13MSD HB048 10ML 1/10 DIL.
P10770	DFTPP
P10771	10.0 NG/UL 8270 ICAL STD NO. 121494-40-1
P10772	5.0 NG/UL 8270 ICAL STD NO. 121494-40-1
P10773	2.5 NG/UL 8270 ICAL STD NO. 121494-40-1
P10774	1.0 NG/UL 8270 ICAL STD NO. 121494-40-1
P10775	0.5 NG/UL 8270 ICAL STD NO. 121494-40-1
P10776	SV176 METHOD BLANK 8270
P10777	45229-1 SV176
P10778	45229-2 SV176
P10779	45229-3 SV176
P10780	45229-3 SV176 1/10 DIL.

Sample Queue Report

INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner

P10781.	45229-4	SV176	
P10782	45229-4	SV176	1/10 DIL.
P10783	45229-5	SV176	1/100 DIL
P10784	45229-5	SV176	1/1000 DIL
P10785	45229-6	SV176	
P10786A	DFTPP		
P10786B	DFTPP		
P10786C	DFTPP		
P10787	2.5 NG/UL 8270 CCAL STD NO. 121494-40-1		
P10788	45229-7	SV176	
P10789	45229-7 MS	SV176	
P10790	45229-7 MSD	SV176	
P10791	45229-8	SV176	
P10792	45229-9	SV176	
P10793	45229-10	SV176	
P10794	45229-11	SV176	
P10795	45227-1	SV176	
P10796	45227-2	SV176	
P10797	45227-3	SV176	
P10798	45227-4	SV176	
P10799	45227-6	SV176	
P10800	45223-1	SV176	
P10801	45223-2	SV176	
P10802	DFTPP		
P10803	2.5 NG/UL 8270 CCAL STD NO. 121494-40-1		
P10804	45229-2	SV176	1/1 DIL.
P10805	45229-3	SV176	1/100 DIL.
P10806	45229-4	SV176	1/100 DIL.
P10807	SV183	MB	
P10808	SV183	BS	
P10809	SV183	BSD	
P10810	45329-1	SV183	1/1000 DIL
P10811	45329-2	SV183	

Sample Queue Report

INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner

P10812	45331-1 SV183
P10813	45331-2 SV183
P10814	45331-3 SV183
P10815	44973-21 SV183
P10816	44973-24 SV183
P10817	44973-29 SV183
P10818	44973-32 SV183
P10819	44973-34 SV183
P10820	45286-2 SV183
P10821	44945-21 SV183
P10822	DFTPP
P10823	2.5 NG/UL 8150 CCAL STD NO. 12593-50
P10824	HB051 METHOD BLANK
P10825	HB051 BLANK SPIKE
P10826	HB051 BLANK SPIKE DUP.
P10827	45301-1 8150 WATER BATCH HB051
P10828	DFTPP
P10829	2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
P10830	45292-2 1/1 DIL. BATCH NO. SV176
P10831	45292-3 1/100 DIL.BATCH NO. SV176
P10832	45292-4 1/100 DIL.BATCH NO. SV176

Continuing Calibration Report

INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner

HIT ANY KEY TO CONTINUE

		AVE RF	CONT. RF	RPD	
*^	phenol	0.983	1.039	5.718	%
	bis-(2-chloroethyl	1.594	1.698	6.545	%
^	2-chlorophenol	1.144	1.189	3.933	%
	1,3-dichlorobenzen	1.251	1.300	3.921	%
^	1,4-dichlorobenzene	1.362	1.440	5.710	%
	benzyl alcohol	1.156	1.217	5.226	%
	1,2-dichlorobenzen	1.286	1.411	9.778	%
	2-methylphenol	0.543	0.565	4.097	%
	bis-(2-chloroisopr	0.617	0.640	3.681	%
	4-methylphenol	0.534	0.540	1.205	%
**^	n-nitroso-di-n-pro	0.447	0.456	2.047	%
	hexachloroethane	0.288	0.274	4.842	%
	nitrobenzene	0.177	0.195	10.177	%
	isophorone	0.324	0.342	5.542	%
	2-nitrophenol	0.171	0.181	5.750	%
	2,4-dimethylphenol	0.248	0.235	4.940	%
	benzoic acid	0.063	0.059	6.442	%
	bis-(2-chloroethox	0.147	0.144	1.696	%
*	2,4-dichlorophenol	0.281	0.292	3.998	%
^	1,2,4-trichloroben	0.356	0.384	8.003	%
	naphthalene	0.936	0.972	3.812	%
	4-chloroaniline	0.325	0.323	0.538	%
*	hexachlorobutadien	0.136	0.145	6.868	%
^	4-chloro-3-methylp	0.187	0.197	5.177	%
	2-methylnaphthalen	0.604	0.627	3.752	%
**	hexachlorocyclopen	0.225	0.235	4.623	%
*	2,4,6-trichlorophe	0.163	0.169	3.910	%
	2,4,5-trichlorophe	0.180	0.181	0.804	%
	2-chloronaphthalen	0.986	1.010	2.383	%
	2-nitroaniline	0.183	0.191	4.529	%
	dimethyl phthalate	1.315	1.311	0.316	%
	acenaphthylene	1.443	1.404	2.721	%
	2,6-dinitrotoluene	0.272	0.279	2.423	%
	3-nitroaniline	0.233	0.226	2.965	%

Continuing Calibration Report

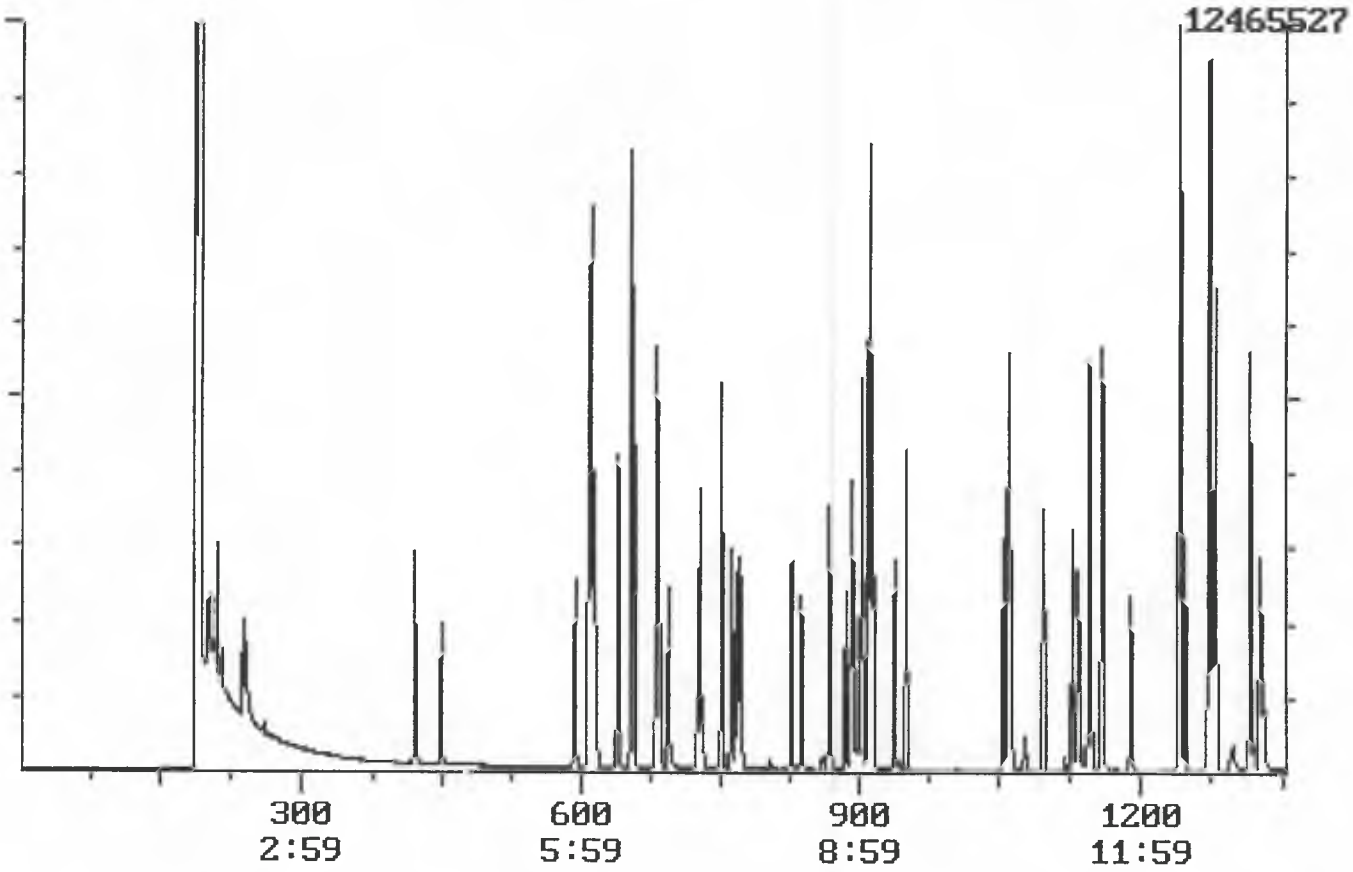
INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner

HIT ANY KEY TO CONTINUE

		AVE RF	CONT. RF	RPD	
* ^	acenaphthene	0.905	0.903	0.216	%
**	2,4-dinitrophenol	0.073	0.070	4.386	%
**^	4-nitrophenol	0.213	0.239	12.349	%
	dibenzofuran	1.234	1.222	0.972	%
^	2,4-dinitrotoluene	0.407	0.415	1.934	%
	diethylphthalate	1.122	1.108	1.209	%
	4-chlorophenyl-phe	0.326	0.324	0.463	%
	fluorene	0.935	0.959	2.606	%
	4-nitroaniline	0.218	0.221	1.252	%
	4,6-dinitro-2-meth	0.036	0.038	5.737	%
*	n-nitrosodiphenyla	0.410	0.409	0.309	%
	4-bromophenyl-phen	0.236	0.229	3.111	%
	hexachlorobenzene	0.688	0.702	2.074	%
*^	pentachlorophenol	0.131	0.137	5.078	%
	phenanthrene	0.994	0.993	0.134	%
	anthracene	0.993	1.058	6.510	%
	di-n-butylphthalat	1.283	1.391	8.397	%
*	fluoranthene	0.566	0.597	5.406	%
^	pyrene	0.957	0.973	1.723	%
	butylbenzylphthala	1.093	1.152	5.326	%
	3,3'-dichlorobenzi	0.439	0.377	13.973	%
	benzo(a)anthracene	0.966	0.990	2.542	%
	chrysene	0.867	0.936	7.948	%
	bis-(2-ethylhexyl)	1.561	1.625	4.139	%
*	di-n-octylphthalat	2.167	2.380	9.831	%
	benzo(b)fluoranthe	0.844	0.868	2.873	%
	benzo(k)fluoranthe	0.934	0.991	6.182	%
*	benzo(a)pyrene	0.769	0.795	3.393	%
	indeno(1,2,3-cd)py	0.696	0.732	5.107	%
	dibenzo(a,h)anthra	0.802	0.825	2.813	%
	benzo(g,h,i)peryle	0.808	0.833	3.068	%

CALIBRATION STANDARD CHROMATOGRAM

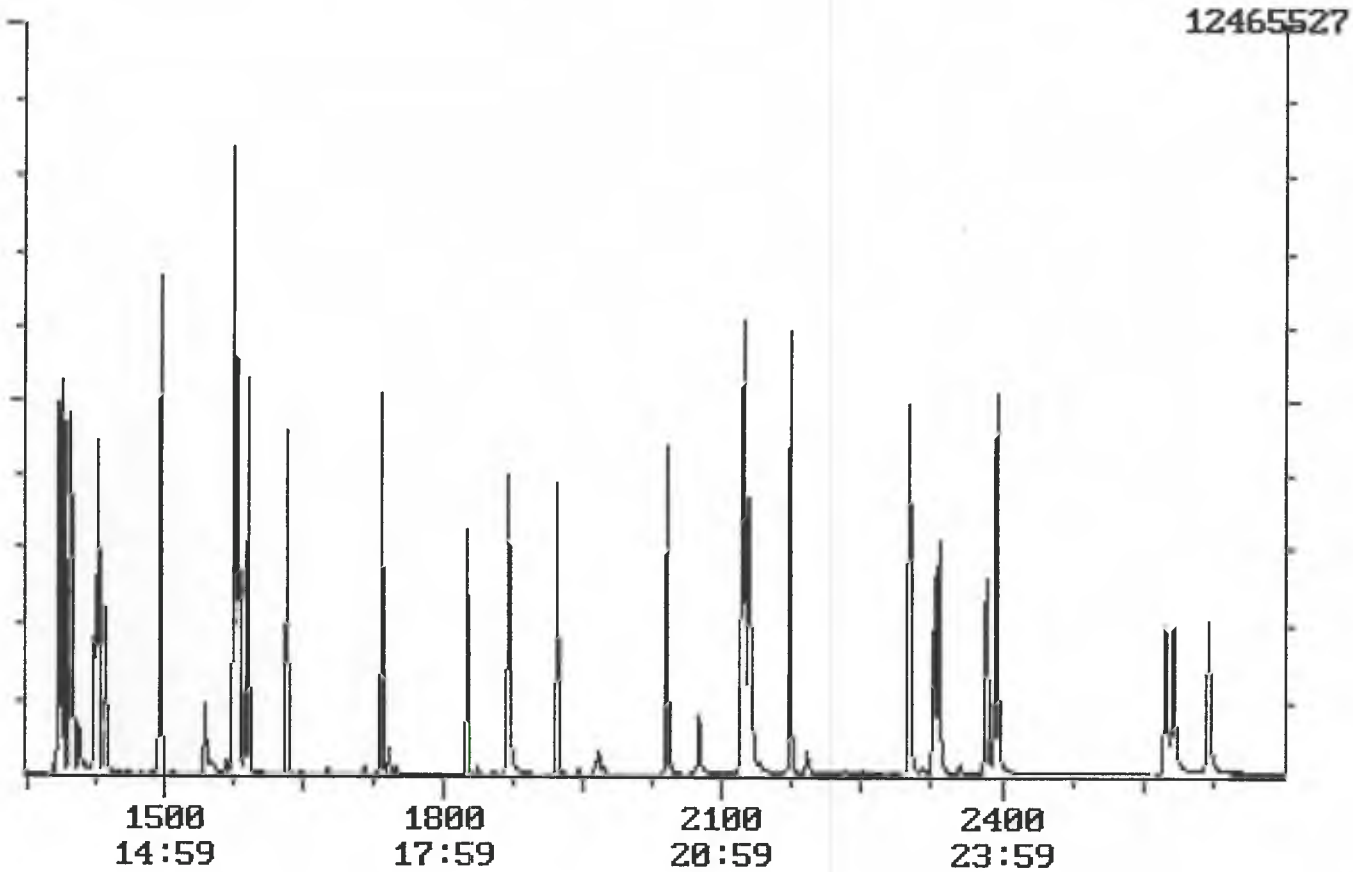
DATAFILE : P10773 ANALYSIS DATE : 12/21/94 15:20
SAMPLE : 2.5 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



PAGE 1

CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10773 ANALYSIS DATE : 12/21/94 15:20
SAMPLE : 2.5 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



PAGE 2

CALIBRATION STANDARD REPORT

DATAFILE : P10773 ANALYSIS DATE : 12/21/94 15:20
SAMPLE : 2.5 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

Compound name	Ret. Time	Amount	Area	I.S. Area	RF
d4-1,4-diClbenzene	6.54	4.000 NG/UL	4582835	4582835	1.000
d8-naphthalene (I	9.10	4.000 NG/UL	13897224	13897224	1.000
d8-acenaphthene (I	12.72	4.000 NG/UL	9033309	9033309	1.000
d10-phenanthrene	15.77	4.000 NG/UL	11474871	11474871	1.000
d12-chrysene (IS)	21.24	4.000 NG/UL	6898807	6898807	1.000
d12-perylene (IS)	23.95	4.000 NG/UL	7199372	7199372	1.000
d5-nitrobenzene (S	7.68	2.500 NG/UL	1765734	13897224	0.203
2-fluorobiphenyl (	11.45	2.500 NG/UL	5879621	9033309	1.041
d14-terphenyl (SS)	19.22	2.500 NG/UL	3467577	6898807	0.804
d5-phenol (SS)	6.08	2.500 NG/UL	2167303	4582835	0.757
2-fluorophenol (SS	4.22	2.500 NG/UL	1824739	4582835	0.637
2,4,6-tribromophen	14.37	2.500 NG/UL	876950	9033309	0.155
*^ phenol	6.10	2.500 NG/UL	2976616	4582835	1.039
bis-(2-chloroethyl	6.17	2.500 NG/UL	4863485	4582835	1.698
^ 2-chlorophenol	6.14	2.500 NG/UL	3405674	4582835	1.189
1,3-dichlorobenzen	6.40	2.500 NG/UL	3723108	4582835	1.300
^ 1,4-dichlorobenzene	6.57	2.500 NG/UL	4124342	4582835	1.440
benzyl alcohol	7.27	2.500 NG/UL	3485587	4582835	1.217
1,2-dichlorobenzen	6.84	2.500 NG/UL	4042895	4582835	1.411
2-methylphenol	7.27	2.500 NG/UL	1617553	4582835	0.565
bis-(2-chloroisopr	7.27	2.500 NG/UL	1831702	4582835	0.640
4-methylphenol	7.62	2.500 NG/UL	1547776	4582835	0.540
**^ n-nitroso-di-n-pro	7.51	2.500 NG/UL	1307505	4582835	0.456
hexachloroethane	7.50	2.500 NG/UL	786222	4582835	0.274
nitrobenzene	7.71	2.500 NG/UL	1691466	13897224	0.195
isophorone	8.27	2.500 NG/UL	2971998	13897224	0.342
2-nitrophenol	8.37	2.500 NG/UL	1569609	13897224	0.181
2,4-dimethylphenol	8.68	2.500 NG/UL	2045239	13897224	0.235
benzoic acid	8.98	2.500 NG/UL	515871	13897224	0.059
bis-(2-chloroethox	8.92	2.500 NG/UL	1255018	13897224	0.144
* 2,4-dichlorophenol	8.92	2.500 NG/UL	2536815	13897224	0.292

CALIBRATION STANDARD REPORT

DATAFILE : P10773 ANALYSIS DATE : 12/21/94 15:20
SAMPLE : 2.5 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
^	1,2,4-trichloroben	9.03	2.500 NG/UL	3335164	13897224	0.384
	naphthalene	9.14	2.500 NG/UL	8442529	13897224	0.972
	4-chloroaniline	9.38	2.500 NG/UL	2809039	13897224	0.323
*	hexachlorobutadien	9.50	2.500 NG/UL	1260194	13897224	0.145
^	4-chloro-3-methylp	10.54	2.500 NG/UL	1712703	13897224	0.197
	2-methylnaphthalen	10.60	2.500 NG/UL	5441681	13897224	0.627
**	hexachlorocyclopen	10.97	2.500 NG/UL	1326473	9033309	0.235
*	2,4,6-trichlorophe	11.27	2.500 NG/UL	954321	9033309	0.169
	2,4,5-trichlorophe	11.33	2.500 NG/UL	1023383	9033309	0.181
	2-chloronaphthalen	11.58	2.500 NG/UL	5699662	9033309	1.010
	2-nitroaniline	11.89	2.500 NG/UL	1079485	9033309	0.191
	dimethyl phthalate	12.41	2.500 NG/UL	7401530	9033309	1.311
	acenaphthylene	12.41	2.500 NG/UL	7926487	9033309	1.404
	2,6-dinitrotoluene	12.47	2.500 NG/UL	1575243	9033309	0.279
	3-nitroaniline	12.76	2.500 NG/UL	1274250	9033309	0.226
* ^	acenaphthene	12.79	2.500 NG/UL	5100022	9033309	0.903
**	2,4-dinitrophenol	12.98	2.500 NG/UL	395454	9033309	0.070
**^	4-nitrophenol	13.30	2.500 NG/UL	1350952	9033309	0.239
	dibenzofuran	13.16	2.500 NG/UL	6897272	9033309	1.222
^	2,4-dinitrotoluene	13.27	2.500 NG/UL	2343673	9033309	0.415
	diethylphthalate	13.91	2.500 NG/UL	6256259	9033309	1.108
	4-chlorophenyl-phe	13.99	2.500 NG/UL	1829703	9033309	0.324
	fluorene	13.86	2.500 NG/UL	5414425	9033309	0.959
	4-nitroaniline	14.01	2.500 NG/UL	1245774	9033309	0.221
	4,6-dinitro-2-meth	14.08	2.500 NG/UL	273075	11474871	0.038
*	n-nitrosodiphenyla	14.25	2.500 NG/UL	2932450	11474871	0.409
	4-bromophenyl-phen	14.97	2.500 NG/UL	1642658	11474871	0.229
	hexachlorobenzene	14.97	2.500 NG/UL	5035517	11474871	0.702
*^	pentachlorophenol	15.45	2.500 NG/UL	985791	11474871	0.137
	phenanthrene	15.81	2.500 NG/UL	7119728	11474871	0.993
	anthracene	15.92	2.500 NG/UL	7586937	11474871	1.058

CALIBRATION STANDARD REPORT

DATAFILE : P10773 ANALYSIS DATE : 12/21/94 15:20
SAMPLE : 2.5 NG/UL 8270 ICAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	di-n-butylphthalat	17.34	2.500 NG/UL	9976037	11474871	1.391
*	fluoranthene	18.26	2.500 NG/UL	4280739	11474871	0.597
^	pyrene	18.69	2.500 NG/UL	4197368	6898807	0.973
	butylbenzylphthala	20.41	2.500 NG/UL	4965053	6898807	1.152
	3,3'-dichlorobenzi	21.31	2.500 NG/UL	1627557	6898807	0.377
	benzo(a)anthracene	21.22	2.500 NG/UL	4269087	6898807	0.990
	chrysene	21.28	2.500 NG/UL	4035626	6898807	0.936
	bis-(2-ethylhexyl)	21.73	2.500 NG/UL	7008295	6898807	1.625
*	di-n-octylphthalat	23.02	2.500 NG/UL	10708924	7199372	2.380
	benzo(b)fluoranthe	23.29	2.500 NG/UL	3905809	7199372	0.868
	benzo(k)fluoranthe	23.34	2.500 NG/UL	4460818	7199372	0.991
*	benzo(a)pyrene	23.84	2.500 NG/UL	3578325	7199372	0.795
	indeno(1,2,3-cd)py	25.74	2.500 NG/UL	3291860	7199372	0.732
	dibenzo(a,h)anthra	25.83	2.500 NG/UL	3712375	7199372	0.825
	benzo(g,h,i)peryle	26.20	2.500 NG/UL	3747898	7199372	0.833

Continuing Calibration Report

INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner

HIT ANY KEY TO CONTINUE

		AVE RF	CONT. RF	RPD	
*^	phenol	0.983	1.117	13.677	%
	bis-(2-chloroethyl	1.594	1.758	10.323	%
^	2-chlorophenol	1.144	1.269	10.881	%
	1,3-dichlorobenzen	1.251	1.317	5.318	%
^	1,4-dichlorobenzene	1.362	1.410	3.500	%
	benzyl alcohol	1.156	1.255	8.561	%
	1,2-dichlorobenzen	1.286	1.476	14.827	%
	2-methylphenol	0.543	0.575	5.992	%
	bis-(2-chloroisopr	0.617	0.702	13.752	%
	4-methylphenol	0.534	0.538	0.679	%
**^	n-nitroso-di-n-pro	0.447	0.483	7.976	%
	hexachloroethane	0.288	0.325	12.599	%
	nitrobenzene	0.177	0.203	14.677	%
	isophorone	0.324	0.353	8.974	%
	2-nitrophenol	0.171	0.186	8.626	%
	2,4-dimethylphenol	0.248	0.235	5.110	%
	benzoic acid	0.063	0.061	4.044	%
	bis-(2-chloroethox	0.147	0.196	33.431	%
*	2,4-dichlorophenol	0.281	0.306	8.841	%
^	1,2,4-trichloroben	0.356	0.391	9.840	%
	naphthalene	0.936	0.981	4.795	%
	4-chloroaniline	0.325	0.326	0.263	%
*	hexachlorobutadien	0.136	0.149	9.804	%
^	4-chloro-3-methylp	0.187	0.207	10.626	%
	2-methylnaphthalen	0.604	0.651	7.867	%
**	hexachlorocyclopen	0.225	0.241	7.339	%
*	2,4,6-trichlorophe	0.163	0.178	9.488	%
	2,4,5-trichlorophe	0.180	0.202	12.171	%
	2-chloronaphthalen	0.986	1.052	6.710	%
	2-nitroaniline	0.183	0.210	14.776	%
	dimethyl phthalate	1.315	1.453	10.450	%
	acenaphthylene	1.443	1.555	7.722	%
	2,6-dinitrotoluene	0.272	0.309	13.532	%
	3-nitroaniline	0.233	0.238	2.179	%

Continuing Calibration Report

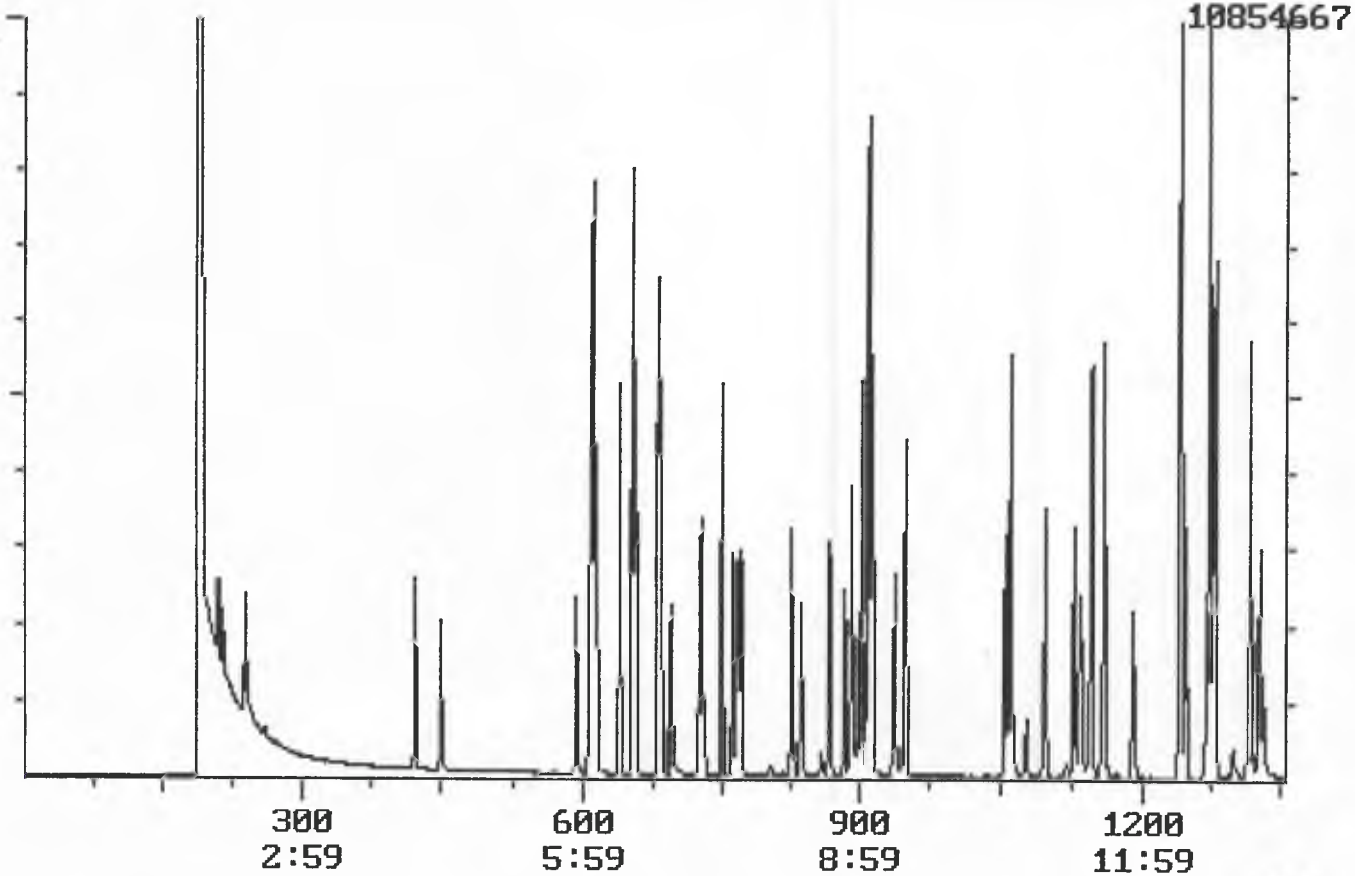
INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner

HIT ANY KEY TO CONTINUE

		AVE RF	CONT. RF	RPD	
* ^	acenaphthene	0.905	0.969	7.061	%
**	2,4-dinitrophenol	0.073	0.093	27.498	%
**^	4-nitrophenol	0.213	0.274	28.624	%
	dibenzofuran	1.234	1.327	7.582	%
^	2,4-dinitrotoluene	0.407	0.448	10.107	%
	diethylphthalate	1.122	1.197	6.723	%
	4-chlorophenyl-phe	0.326	0.345	5.954	%
	fluorene	0.935	1.040	11.271	%
	4-nitroaniline	0.218	0.251	15.111	%
	4,6-dinitro-2-meth	0.036	0.045	25.109	%
*	n-nitrosodiphenyla	0.410	0.397	3.238	%
	4-bromophenyl-phen	0.236	0.220	6.780	%
	hexachlorobenzene	0.688	0.678	1.408	%
*^	pentachlorophenol	0.131	0.147	12.065	%
	phenanthrene	0.994	0.976	1.770	%
	anthracene	0.993	0.962	3.140	%
	di-n-butylphthalat	1.283	1.332	3.786	%
*	fluoranthene	0.566	0.549	3.096	%
^	pyrene	0.957	0.932	2.659	%
	butylbenzylphthala	1.093	1.180	7.975	%
	3,3'-dichlorobenzi	0.439	0.381	13.192	%
	benzo(a)anthracene	0.966	0.984	1.877	%
	chrysene	0.867	0.873	0.735	%
	bis-(2-ethylhexyl)	1.561	1.575	0.890	%
*	di-n-octylphthalat	2.167	2.419	11.625	%
	benzo(b)fluoranthe	0.844	0.858	1.735	%
	benzo(k)fluoranthe	0.934	0.968	3.664	%
*	benzo(a)pyrene	0.769	0.783	1.778	%
	indeno(1,2,3-cd)py	0.696	0.759	9.021	%
	dibenzo(a,h)anthra	0.802	0.846	5.424	%
	benzo(g,h,i)peryle	0.808	0.770	4.738	%

CALIBRATION STANDARD CHROMATOGRAM

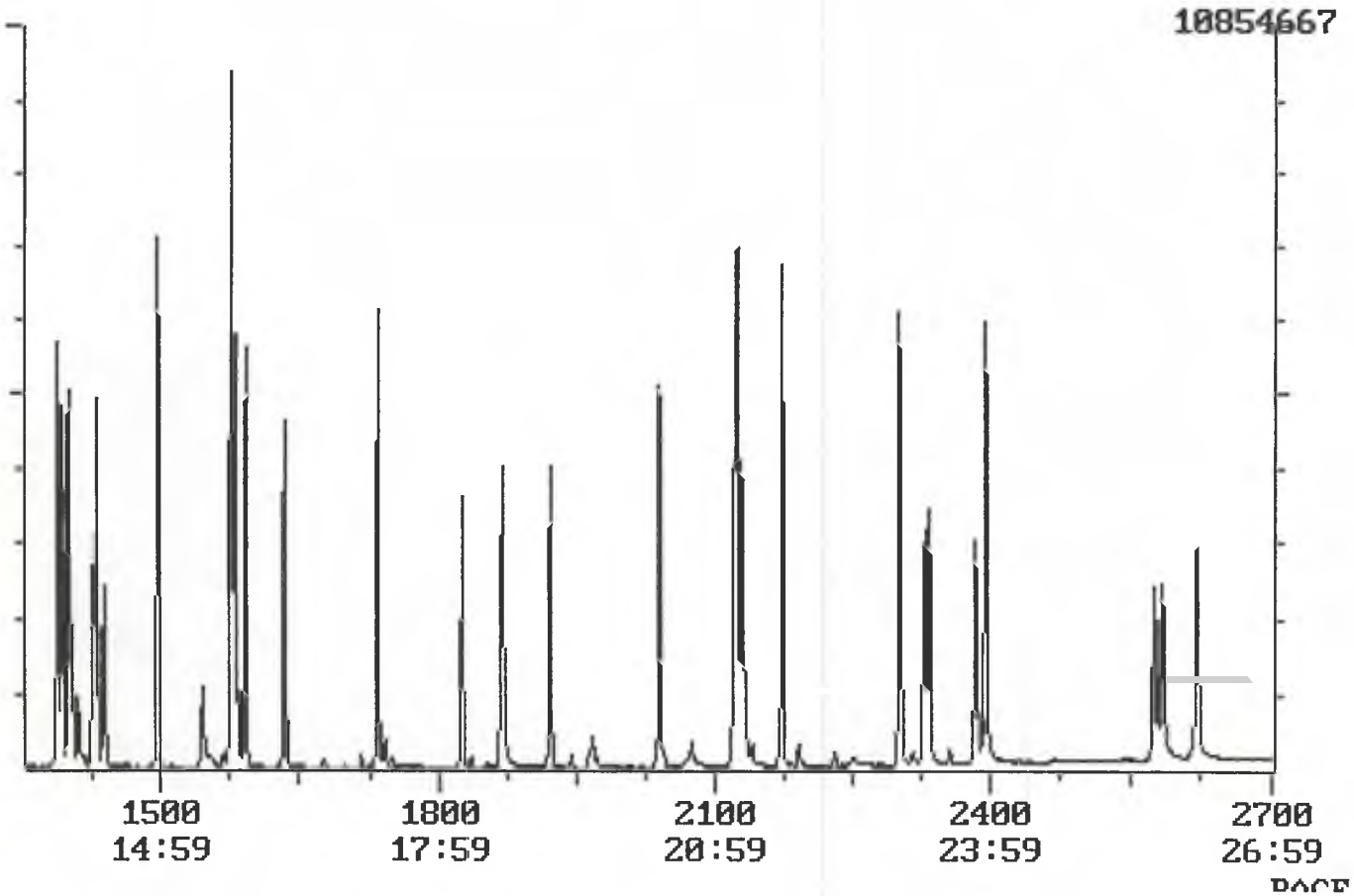
DATAFILE : P10787 ANALYSIS DATE : 12/22/94 00:01
SAMPLE : 2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



PAGE 1

CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10787 ANALYSIS DATE : 12/22/94 00:01
SAMPLE : 2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



CALIBRATION STANDARD REPORT

DATAFILE : P10787 ANALYSIS DATE : 12/22/94 00:01
SAMPLE : 2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

Compound name	Ret. Time	Amount	Area	I.S. Area	RF
d4-1,4-diClbenzene	6.54	4.000 NG/UL	4004999	4004999	1.000
d8-naphthalene (I	9.11	4.000 NG/UL	12582491	12582491	1.000
d8-acenaphthene (I	12.73	4.000 NG/UL	7909801	7909801	1.000
d10-phenanthrene	15.77	4.000 NG/UL	11609251	11609251	1.000
d12-chrysene (IS)	21.24	4.000 NG/UL	6991606	6991606	1.000
d12-perylene (IS)	23.95	4.000 NG/UL	7448922	7448922	1.000
d5-nitrobenzene (S	7.68	2.500 NG/UL	1572504	12582491	0.200
2-fluorobiphenyl (	11.46	2.500 NG/UL	5283860	7909801	1.069
d14-terphenyl (SS)	19.22	2.500 NG/UL	3538262	6991606	0.810
d5-phenol (SS)	6.08	2.500 NG/UL	1924855	4004999	0.769
2-fluorophenol (SS	4.22	2.500 NG/UL	1649355	4004999	0.659
2,4,6-tribromophen	14.37	2.500 NG/UL	813167	7909801	0.164
*^ phenol	6.10	2.500 NG/UL	2797138	4004999	1.117
bis-(2-chloroethyl	6.16	2.500 NG/UL	4400998	4004999	1.758
^ 2-chlorophenol	6.14	2.500 NG/UL	3175238	4004999	1.269
1,3-dichlorobenzen	6.40	2.500 NG/UL	3297414	4004999	1.317
^ 1,4-dichlorobenzene	6.57	2.500 NG/UL	3528937	4004999	1.410
benzyl alcohol	7.28	2.500 NG/UL	3142643	4004999	1.255
1,2-dichlorobenzen	6.84	2.500 NG/UL	3695635	4004999	1.476
2-methylphenol	7.28	2.500 NG/UL	1439338	4004999	0.575
bis-(2-chloroisopr	7.27	2.500 NG/UL	1756242	4004999	0.702
4-methylphenol	7.62	2.500 NG/UL	1345600	4004999	0.538
**^ n-nitroso-di-n-pro	7.51	2.500 NG/UL	1209030	4004999	0.483
hexachloroethane	7.50	2.500 NG/UL	813023	4004999	0.325
nitrobenzene	7.71	2.500 NG/UL	1594008	12582491	0.203
isophorone	8.27	2.500 NG/UL	2778334	12582491	0.353
2-nitrophenol	8.37	2.500 NG/UL	1459756	12582491	0.186
2,4-dimethylphenol	8.68	2.500 NG/UL	1848432	12582491	0.235
benzoic acid	8.98	2.500 NG/UL	479041	12582491	0.061
bis-(2-chloroethox	8.85	2.500 NG/UL	1542312	12582491	0.196
* 2,4-dichlorophenol	8.92	2.500 NG/UL	2403778	12582491	0.306

CALIBRATION STANDARD REPORT

DATAFILE : P10787 ANALYSIS DATE : 12/22/94 00:01
SAMPLE : 2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
^	1,2,4-trichloroben	9.03	2.500 NG/UL	3071006	12582491	0.391
	naphthalene	9.14	2.500 NG/UL	7716200	12582491	0.981
	4-chloroaniline	9.38	2.500 NG/UL	2563788	12582491	0.326
*	hexachlorobutadien	9.50	2.500 NG/UL	1172318	12582491	0.149
^	4-chloro-3-methylp	10.55	2.500 NG/UL	1631020	12582491	0.207
	2-methylnaphthalen	10.61	2.500 NG/UL	5122241	12582491	0.651
**	hexachlorocyclopen	10.97	2.500 NG/UL	1191646	7909801	0.241
*	2,4,6-trichlorophe	11.27	2.500 NG/UL	880493	7909801	0.178
	2,4,5-trichlorophe	11.34	2.500 NG/UL	997144	7909801	0.202
	2-chloronaphthalen	11.58	2.500 NG/UL	5201704	7909801	1.052
	2-nitroaniline	11.90	2.500 NG/UL	1037884	7909801	0.210
	dimethyl phthalate	12.41	2.500 NG/UL	7180970	7909801	1.453
	acenaphthylene	12.41	2.500 NG/UL	7685712	7909801	1.555
	2,6-dinitrotoluene	12.47	2.500 NG/UL	1528932	7909801	0.309
	3-nitroaniline	12.77	2.500 NG/UL	1174920	7909801	0.238
* ^	acenaphthene	12.79	2.500 NG/UL	4791382	7909801	0.969
**	2,4-dinitrophenol	12.99	2.500 NG/UL	461738	7909801	0.093
**^	4-nitrophenol	13.31	2.500 NG/UL	1354294	7909801	0.274
	dibenzofuran	13.16	2.500 NG/UL	6561133	7909801	1.327
^	2,4-dinitrotoluene	13.27	2.500 NG/UL	2216741	7909801	0.448
	diethylphthalate	13.91	2.500 NG/UL	5917979	7909801	1.197
	4-chlorophenyl-phe	13.99	2.500 NG/UL	1705429	7909801	0.345
	fluorene	13.87	2.500 NG/UL	5141362	7909801	1.040
	4-nitroaniline	14.02	2.500 NG/UL	1240144	7909801	0.251
	4,6-dinitro-2-meth	14.09	2.500 NG/UL	326888	11609251	0.045
*	n-nitrosodiphenyla	14.26	2.500 NG/UL	2879621	11609251	0.397
	4-bromophenyl-phen	14.97	2.500 NG/UL	1598960	11609251	0.220
	hexachlorobenzene	14.97	2.500 NG/UL	4920714	11609251	0.678
*^	pentachlorophenol	15.45	2.500 NG/UL	1063652	11609251	0.147
	phenanthrene	15.81	2.500 NG/UL	7085105	11609251	0.976
	anthracene	15.92	2.500 NG/UL	6980348	11609251	0.962

CALIBRATION STANDARD REPORT

DATAFILE : P10787 ANALYSIS DATE : 12/22/94 00:01
SAMPLE : 2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	di-n-butylphthalat	17.34	2.500 NG/UL	9663518	11609251	1.332
*	fluoranthene	18.26	2.500 NG/UL	3981546	11609251	0.549
^	pyrene	18.69	2.500 NG/UL	4070579	6991606	0.932
	butylbenzylphthala	20.40	2.500 NG/UL	5158375	6991606	1.180
	3,3'-dichlorobenzi	21.31	2.500 NG/UL	1664423	6991606	0.381
	benzo(a)anthracene	21.22	2.500 NG/UL	4298452	6991606	0.984
	chrysene	21.28	2.500 NG/UL	3816617	6991606	0.873
	bis-(2-ethylhexyl)	21.73	2.500 NG/UL	6880932	6991606	1.575
*	di-n-octylphthalat	23.01	2.500 NG/UL	11261160	7448922	2.419
	benzo(b)fluoranthe	23.29	2.500 NG/UL	3996523	7448922	0.858
	benzo(k)fluoranthe	23.34	2.500 NG/UL	4505973	7448922	0.968
*	benzo(a)pyrene	23.84	2.500 NG/UL	3644540	7448922	0.783
	indeno(1,2,3-cd)py	25.74	2.500 NG/UL	3532796	7448922	0.759
	dibenzo(a,h)anthra	25.83	2.500 NG/UL	3938601	7448922	0.846
	benzo(g,h,i)peryle	26.20	2.500 NG/UL	3584134	7448922	0.770

Continuing Calibration Report

INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner

HIT ANY KEY TO CONTINUE

		AVE RF	CONT. RF	RPD	
*^	phenol	0.983	1.123	14.214	%
	bis-(2-chloroethyl	1.594	1.613	1.210	%
^	2-chlorophenol	1.144	1.145	0.057	%
	1,3-dichlorobenzen	1.251	1.266	1.254	%
^	1,4-dichlorobenzene	1.362	1.332	2.234	%
	benzyl alcohol	1.156	1.139	1.482	%
	1,2-dichlorobenzen	1.286	1.258	2.189	%
	2-methylphenol	0.543	0.528	2.646	%
	bis-(2-chloroisopr	0.617	0.639	3.556	%
	4-methylphenol	0.534	0.536	0.404	%
**^	n-nitroso-di-n-pro	0.447	0.447	0.094	%
	hexachloroethane	0.288	0.284	1.650	%
	nitrobenzene	0.177	0.188	6.153	%
	isophorone	0.324	0.322	0.602	%
	2-nitrophenol	0.171	0.172	0.756	%
	2,4-dimethylphenol	0.248	0.241	2.800	%
	benzoic acid	0.063	0.054	15.120	%
	bis-(2-chloroethox	0.147	0.165	12.169	%
*	2,4-dichlorophenol	0.281	0.273	2.923	%
^	1,2,4-trichloroben	0.356	0.371	4.300	%
	naphthalene	0.936	0.955	2.003	%
	4-chloroaniline	0.325	0.309	5.028	%
*	hexachlorobutadien	0.136	0.136	0.334	%
^	4-chloro-3-methylp	0.187	0.188	0.235	%
	2-methylnaphthalen	0.604	0.611	1.142	%
**	hexachlorocyclopen	0.225	0.201	10.397	%
*	2,4,6-trichlorophe	0.163	0.159	2.488	%
	2,4,5-trichlorophe	0.180	0.179	0.437	%
	2-chloronaphthalen	0.986	0.960	2.680	%
	2-nitroaniline	0.183	0.185	1.322	%
	dimethyl phthalate	1.315	1.322	0.531	%
	acenaphthylene	1.443	1.399	3.065	%
	2,6-dinitrotoluene	0.272	0.279	2.438	%
	3-nitroaniline	0.233	0.200	13.865	%

Continuing Calibration Report

INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner

HIT ANY KEY TO CONTINUE

	AVE RF	CONT. RF	RPD	
* ^ acenaphthene	0.905	0.879	2.921	%
** 2,4-dinitrophenol	0.073	0.051	30.599	%
**^ 4-nitrophenol	0.213	0.200	6.245	%
dibenzofuran	1.234	1.114	9.686	%
^ 2,4-dinitrotoluene	0.407	0.404	0.798	%
diethylphthalate	1.122	1.038	7.463	%
4-chlorophenyl-phe	0.326	0.314	3.689	%
fluorene	0.935	0.912	2.372	%
4-nitroaniline	0.218	0.231	6.067	%
4,6-dinitro-2-meth	0.036	0.037	1.915	%
* n-nitrosodiphenyla	0.410	0.397	3.307	%
4-bromophenyl-phen	0.236	0.216	8.497	%
hexachlorobenzene	0.688	0.643	6.483	%
*^ pentachlorophenol	0.131	0.107	18.035	%
phenanthrene	0.994	1.027	3.330	%
anthracene	0.993	0.923	7.032	%
di-n-butylphthalat	1.283	1.292	0.685	%
* fluoranthene	0.566	0.581	2.563	%
^ pyrene	0.957	0.934	2.390	%
butylbenzylphthala	1.093	1.131	3.407	%
3,3'-dichlorobenzi	0.439	0.391	10.827	%
benzo(a)anthracene	0.966	0.957	0.936	%
chrysene	0.867	0.833	3.874	%
bis-(2-ethylhexyl)	1.561	1.545	1.019	%
* di-n-octylphthalat	2.167	2.216	2.275	%
benzo(b)fluoranthe	0.844	0.772	8.529	%
benzo(k)fluoranthe	0.934	0.921	1.378	%
* benzo(a)pyrene	0.769	0.751	2.370	%
indeno(1,2,3-cd)py	0.696	0.697	0.100	%
dibenzo(a,h)anthra	0.802	0.788	1.768	%
benzo(g,h,i)peryle	0.808	0.777	3.900	%
N-nitrosodimethlyamine	0.448	0.533	18.925	%
pyridine	0.606	0.647	6.855	%
1,2-diphenylhydrazine	0.557	0.583	4.740	%

Continuing Calibration Report

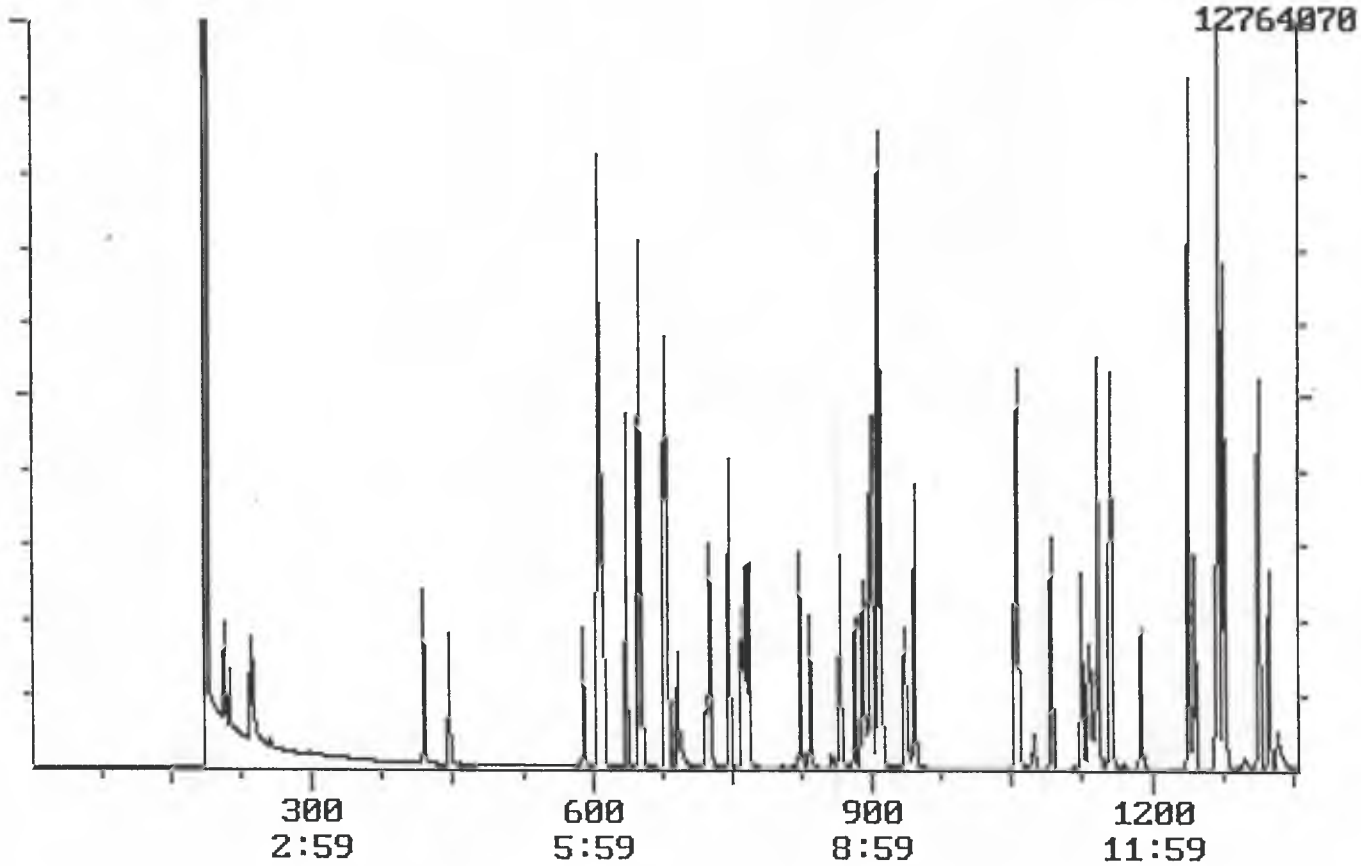
INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner

HIT ANY KEY TO CONTINUE

	AVE RF	CONT. RF	RPD	
carbazole	0.831	0.889	6.902	%
Benzidine	0.564	0.345	38.807	%
Cyclohexanone	0.293	0.304	3.554	%

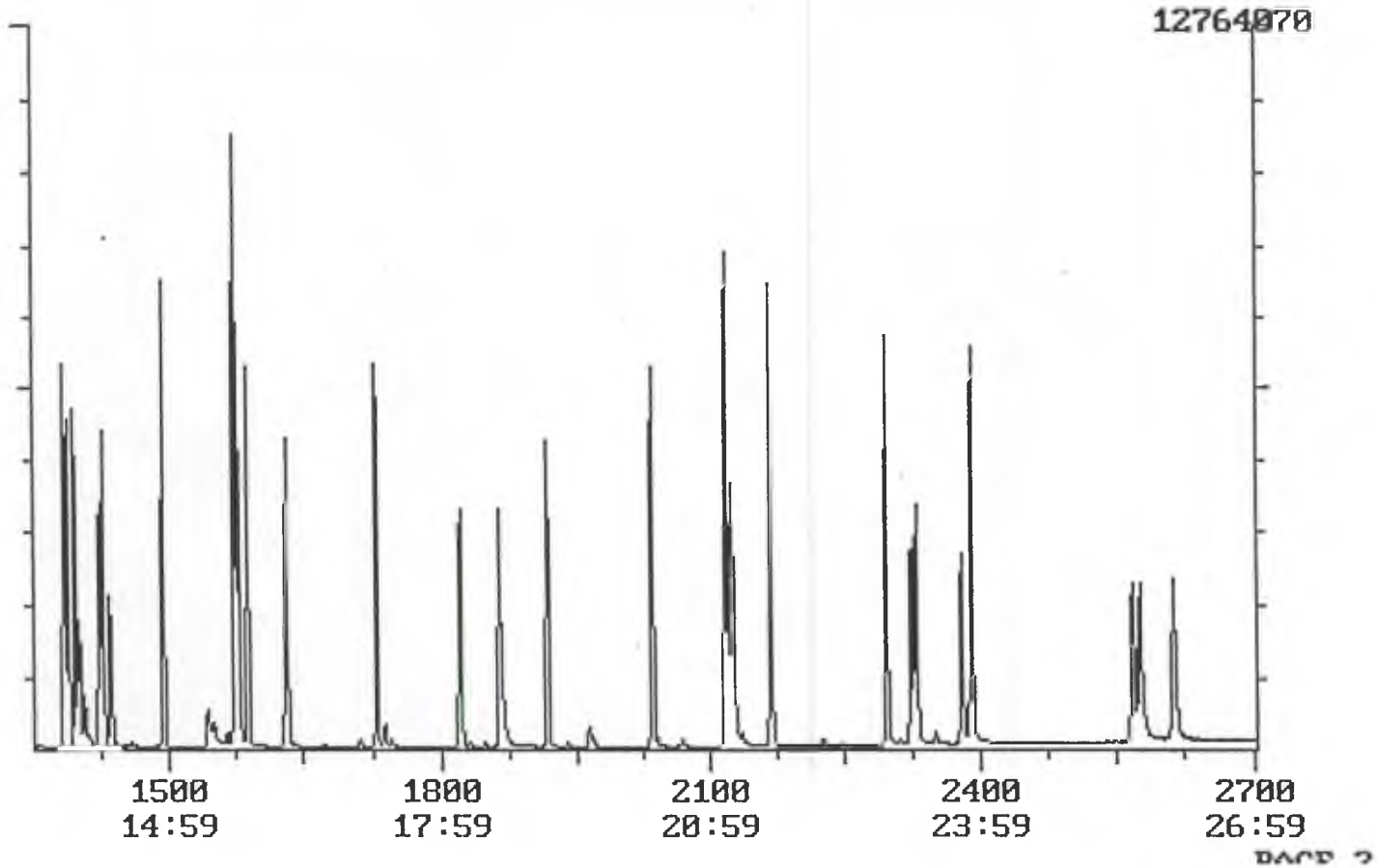
CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10834 ANALYSIS DATE : 12/28/94 13:19
SAMPLE : 2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10834 ANALYSIS DATE : 12/28/94 13:19
SAMPLE : 2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



CALIBRATION STANDARD REPORT

DATAFILE : P10834 ANALYSIS DATE : 12/28/94 13:19
SAMPLE : 2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	d4-1,4-diClbenzene	6.50	4.000 NG/UL	4744450	4744450	1.000
	d8-naphthalene (I	9.08	4.000 NG/UL	14826666	14826666	1.000
	d8-acenaphthene (I	12.69	4.000 NG/UL	9568973	9568973	1.000
	d10-phenanthrene	15.73	4.000 NG/UL	12664283	12664283	1.000
	d12-chrysene (IS)	21.19	4.000 NG/UL	7967837	7967837	1.000
	d12-perylene (IS)	23.90	4.000 NG/UL	8675564	8675564	1.000
	d5-nitrobenzene (S	7.65	2.500 NG/UL	1713396	14826666	0.185
	2-fluorobiphenyl (	11.43	2.500 NG/UL	5411057	9568973	0.905
	d14-terphenyl (SS)	19.18	2.500 NG/UL	3773258	7967837	0.758
	d5-phenol (SS)	6.06	2.500 NG/UL	2197922	4744450	0.741
	2-fluorophenol (SS	4.19	2.500 NG/UL	1816490	4744450	0.613
	2,4,6-tribromophen	14.34	2.500 NG/UL	825807	9568973	0.138
*^	phenol	6.08	2.500 NG/UL	3329256	4744450	1.123
	bis-(2-chloroethyl	6.13	2.500 NG/UL	4782905	4744450	1.613
^	2-chlorophenol	6.11	2.500 NG/UL	3394281	4744450	1.145
	1,3-dichlorobenzen	6.37	2.500 NG/UL	3755488	4744450	1.266
^	1,4-dichlorobenzene	6.54	2.500 NG/UL	3948906	4744450	1.332
	benzyl alcohol	7.27	2.500 NG/UL	3378473	4744450	1.139
	1,2-dichlorobenzen	6.81	2.500 NG/UL	3729203	4744450	1.258
	2-methylphenol	7.27	2.500 NG/UL	1566126	4744450	0.528
	bis-(2-chloroisopr	7.24	2.500 NG/UL	1894015	4744450	0.639
	4-methylphenol	7.61	2.500 NG/UL	1589687	4744450	0.536
**^	n-nitroso-di-n-pro	7.48	2.500 NG/UL	1325208	4744450	0.447
	hexachloroethane	7.47	2.500 NG/UL	841251	4744450	0.284
	nitrobenzene	7.69	2.500 NG/UL	1738691	14826666	0.188
	isophorone	8.24	2.500 NG/UL	2986190	14826666	0.322
	2-nitrophenol	8.35	2.500 NG/UL	1595492	14826666	0.172
	2,4-dimethylphenol	8.67	2.500 NG/UL	2231130	14826666	0.241
	benzoic acid	8.99	2.500 NG/UL	499326	14826666	0.054
	bis-(2-chloroethox	8.83	2.500 NG/UL	1527802	14826666	0.165
*	2,4-dichlorophenol	8.91	2.500 NG/UL	2526366	14826666	0.273

CALIBRATION STANDARD REPORT

DATAFILE : P10834 ANALYSIS DATE : 12/28/94 13:19
SAMPLE : 2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
^	1,2,4-trichloroben	9.00	2.500 NG/UL	3436244	14826666	0.371
	naphthalene	9.11	2.500 NG/UL	8850209	14826666	0.955
	4-chloroaniline	9.36	2.500 NG/UL	2861637	14826666	0.309
*	hexachlorobutadien	9.47	2.500 NG/UL	1262279	14826666	0.136
^	4-chloro-3-methylp	10.55	2.500 NG/UL	1741400	14826666	0.188
	2-methylnaphthalen	10.58	2.500 NG/UL	5659526	14826666	0.611
**	hexachlorocyclopen	10.94	2.500 NG/UL	1203402	9568973	0.201
*	2,4,6-trichlorophe	11.25	2.500 NG/UL	948675	9568973	0.159
	2,4,5-trichlorophe	11.33	2.500 NG/UL	1070718	9568973	0.179
	2-chloronaphthalen	11.56	2.500 NG/UL	5739061	9568973	0.960
	2-nitroaniline	11.88	2.500 NG/UL	1108414	9568973	0.185
	dimethyl phthalate	12.38	2.500 NG/UL	7907080	9568973	1.322
	acenaphthylene	12.38	2.500 NG/UL	8366809	9568973	1.399
	2,6-dinitrotoluene	12.44	2.500 NG/UL	1668902	9568973	0.279
	3-nitroaniline	12.75	2.500 NG/UL	1198188	9568973	0.200
* ^	acenaphthene	12.76	2.500 NG/UL	5256005	9568973	0.879
**	2,4-dinitrophenol	12.97	2.500 NG/UL	304061	9568973	0.051
**^	4-nitrophenol	13.33	2.500 NG/UL	1194220	9568973	0.200
	dibenzofuran	13.13	2.500 NG/UL	6663368	9568973	1.114
^	2,4-dinitrotoluene	13.24	2.500 NG/UL	2416130	9568973	0.404
	diethylphthalate	13.88	2.500 NG/UL	6207739	9568973	1.038
	4-chlorophenyl-phe	13.95	2.500 NG/UL	1875390	9568973	0.314
	fluorene	13.83	2.500 NG/UL	5457207	9568973	0.912
	4-nitroaniline	14.00	2.500 NG/UL	1382402	9568973	0.231
	4,6-dinitro-2-meth	14.06	2.500 NG/UL	290488	12664283	0.037
*	n-nitrosodiphenyla	14.22	2.500 NG/UL	3139066	12664283	0.397
	4-bromophenyl-phen	14.94	2.500 NG/UL	1712135	12664283	0.216
	hexachlorobenzene	14.94	2.500 NG/UL	5091593	12664283	0.643
*^	pentachlorophenol	15.43	2.500 NG/UL	848668	12664283	0.107
	phenanthrene	15.78	2.500 NG/UL	8130300	12664283	1.027
	anthracene	15.88	2.500 NG/UL	7308691	12664283	0.923

CALIBRATION STANDARD REPORT

DATAFILE : P10834 ANALYSIS DATE : 12/28/94 13:19
SAMPLE : 2.5 NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

	Compound name	Ret. Time	Amount	Area	I.S. Area	RF
	di-n-butylphthalat	17.30	2.500 NG/UL	10226822	12664283	1.292
*	fluoranthene	18.22	2.500 NG/UL	4597040	12664283	0.581
^	pyrene	18.65	2.500 NG/UL	4651784	7967837	0.934
	butylbenzylphthala	20.36	2.500 NG/UL	5629968	7967837	1.131
	3,3'-dichlorobenzi	21.26	2.500 NG/UL	1948501	7967837	0.391
	benzo(a)anthracene	21.17	2.500 NG/UL	4763368	7967837	0.957
	chrysene	21.24	2.500 NG/UL	4150515	7967837	0.833
	bis-(2-ethylhexyl)	21.68	2.500 NG/UL	7693405	7967837	1.545
*	di-n-octylphthalat	22.96	2.500 NG/UL	12016964	8675564	2.216
	benzo(b)fluoranthe	23.24	2.500 NG/UL	4185015	8675564	0.772
	benzo(k)fluoranthe	23.29	2.500 NG/UL	4992741	8675564	0.921
*	benzo(a)pyrene	23.79	2.500 NG/UL	4071701	8675564	0.751
	indeno(1,2,3-cd)py	25.68	2.500 NG/UL	3777876	8675564	0.697
	dibenzo(a,h)anthra	25.76	2.500 NG/UL	4274238	8675564	0.788
	benzo(g,h,i)peryle	26.13	2.500 NG/UL	4211048	8675564	0.777
	N-nitrosodimethlyamine	2.33	2.500 NG/UL	1580990	4744450	0.533
	pyridine	2.36	2.500 NG/UL	1918880	4744450	0.647
	1,2-diphenylhydrazine	14.26	2.500 NG/UL	4617007	12664283	0.583
	carbazole	16.31	2.500 NG/UL	7033809	12664283	0.889
	Benzidine	18.68	2.500 NG/UL	1718640	7967837	0.345
	Cyclohexanone	4.46	2.500 NG/UL	900497	4744450	0.304

Continuing Calibration Report

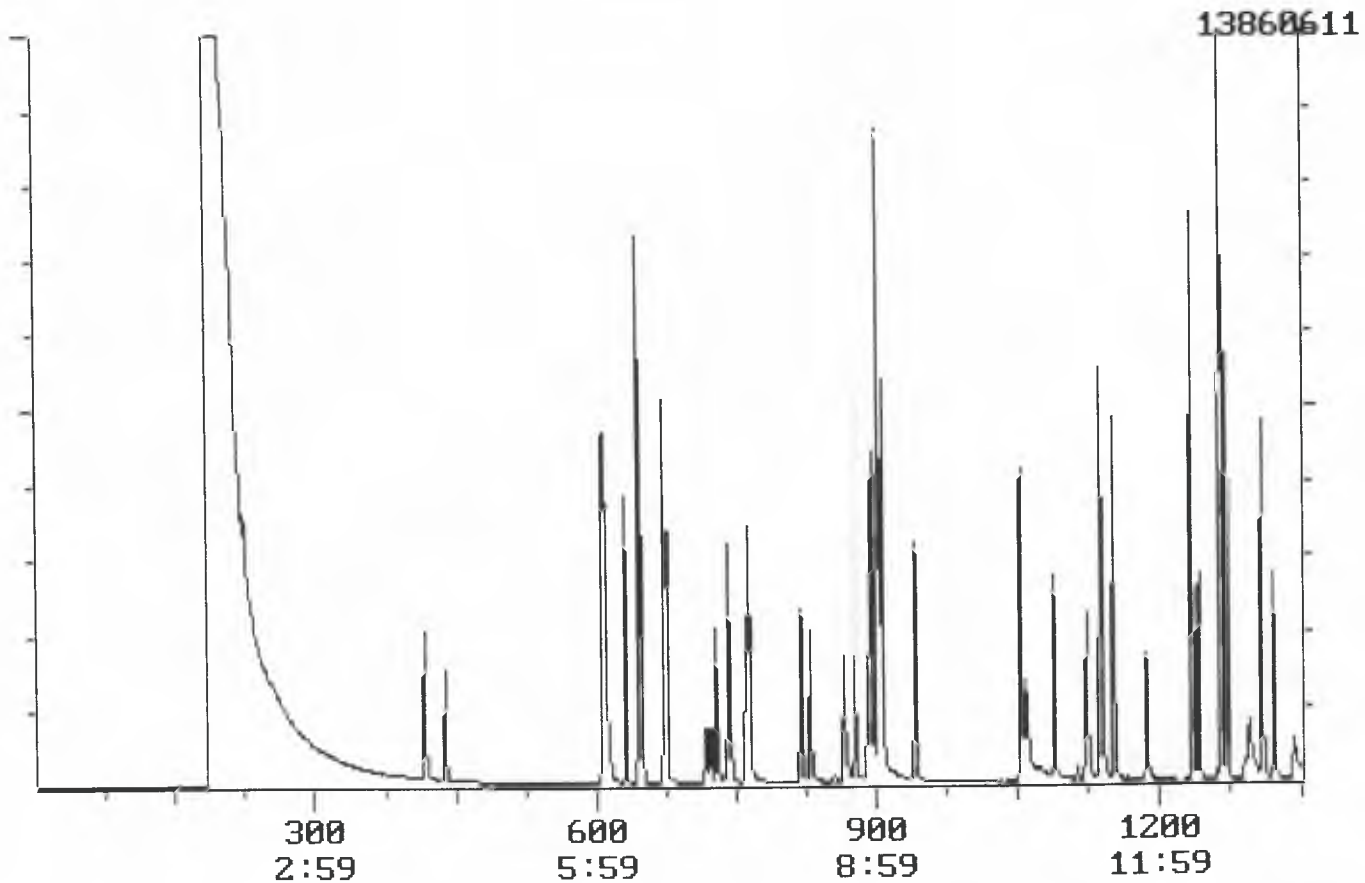
INSTRUMENT : ITS40
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner

HIT ANY KEY TO CONTINUE

	AVE RF	CONT. RF	RPD	
*^ pentachlorophenol	0.142	0.175	22.900	%

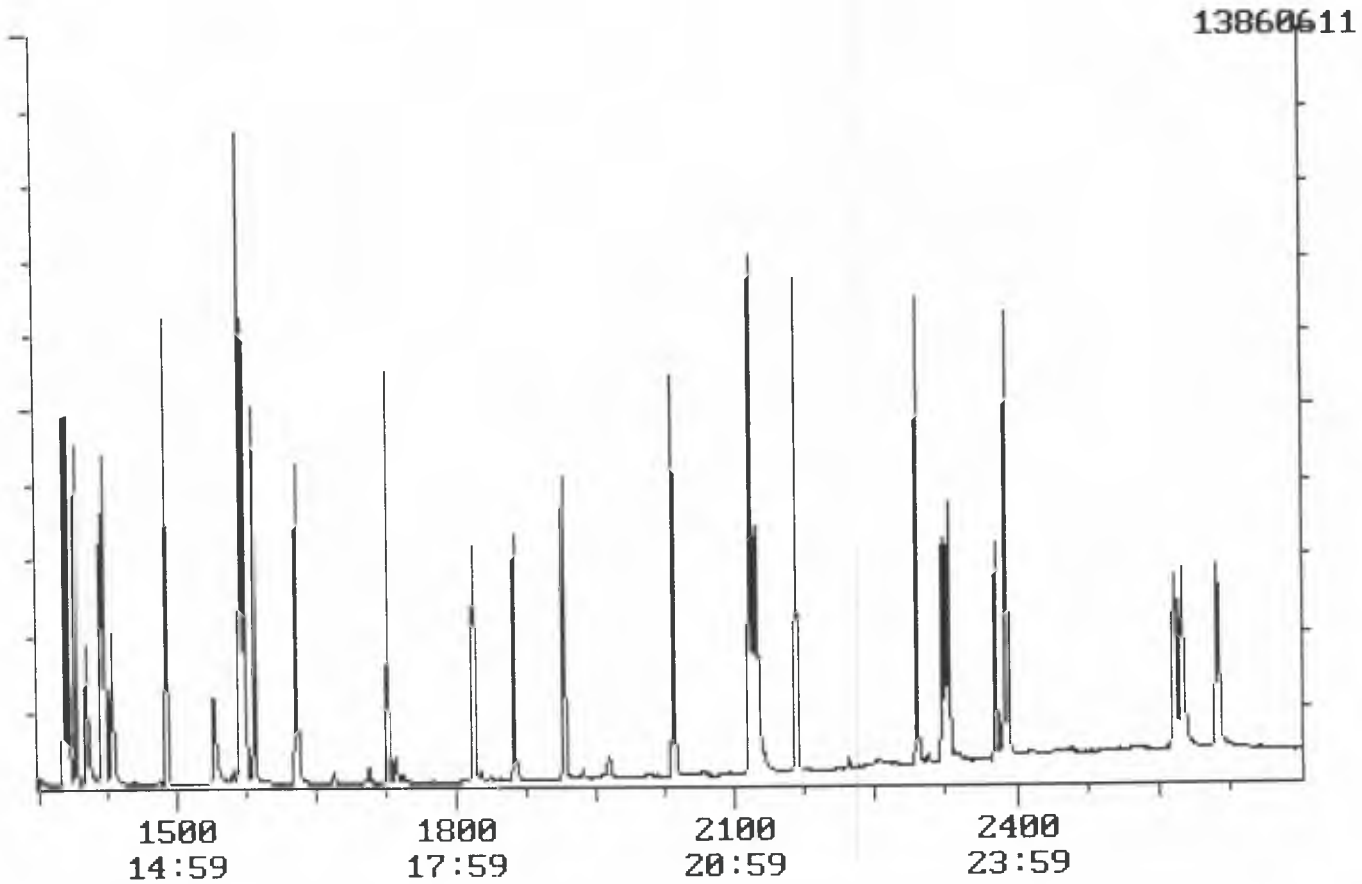
CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10973 ANALYSIS DATE : 01/12/95 14:00
SAMPLE : 2.5NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



CALIBRATION STANDARD CHROMATOGRAM

DATAFILE : P10973 ANALYSIS DATE : 01/12/95 14:00
SAMPLE : 2.5NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis



CALIBRATION STANDARD REPORT

DATAFILE : P10973 ANALYSIS DATE : 01/12/95 14:00
SAMPLE : 2.5NG/UL 8270 CCAL STD NO. 121494-40-1
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : GCMS Analysis

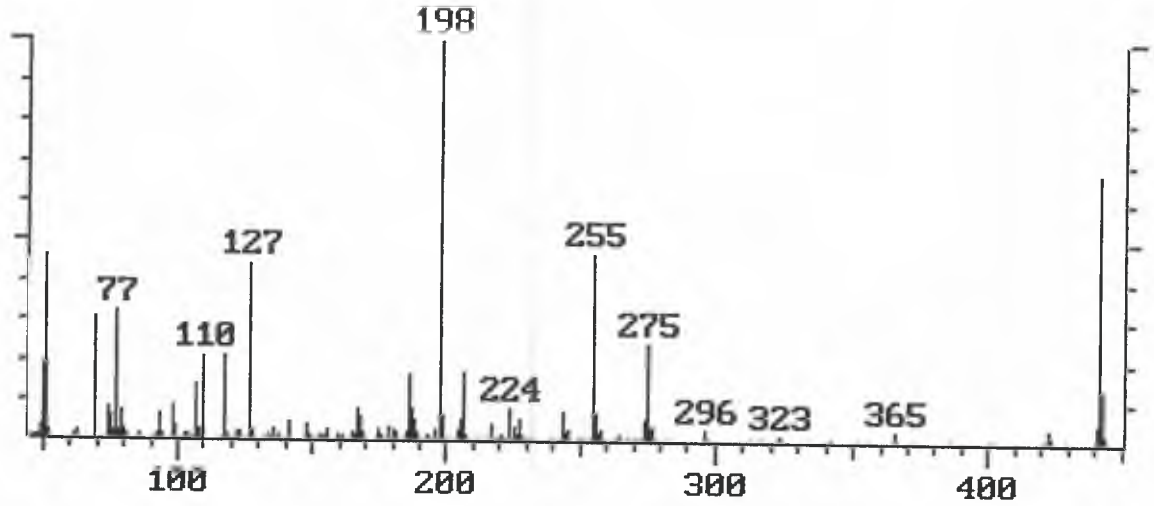
Compound name	Ret. Time	Amount	Area	I.S. Area	RF
d4-1,4-diClbenzene	6.46	4.000 NG/UL	4595924	4595924	1.000
d8-naphthalene (I	9.03	4.000 NG/UL	14821906	14821906	1.000
d8-acenaphthene (I	12.66	4.000 NG/UL	9809542	9809542	1.000
d10-phenanthrene	15.71	4.000 NG/UL	13888904	13888904	1.000
d12-chrysene (IS)	21.18	4.000 NG/UL	9629078	9629078	1.000
d12-perylene (IS)	23.90	4.000 NG/UL	10426872	10426872	1.000
d5-nitrobenzene (S	7.61	2.500 NG/UL	1515377	14821906	0.164
2-fluorobiphenyl (	11.39	2.500 NG/UL	5942382	9809542	0.969
d14-terphenyl (SS)	19.16	2.500 NG/UL	4079890	9629078	0.678
d5-phenol (SS)	6.09	2.500 NG/UL	2298957	4595924	0.800
2-fluorophenol (SS	4.17	2.500 NG/UL	1652277	4595924	0.575
2,4,6-tribromophen	14.32	2.500 NG/UL	939737	9809542	0.153
*^ pentachlorophenol	15.41	2.500 NG/UL	1517319	13888904	0.175

DFTPP TUNING DATA

Method 8270 DFTPP Report

Data File: P10770
Cali File: DFTPP

Acqu Date: 12/21/94
Acqu Time: 13:03

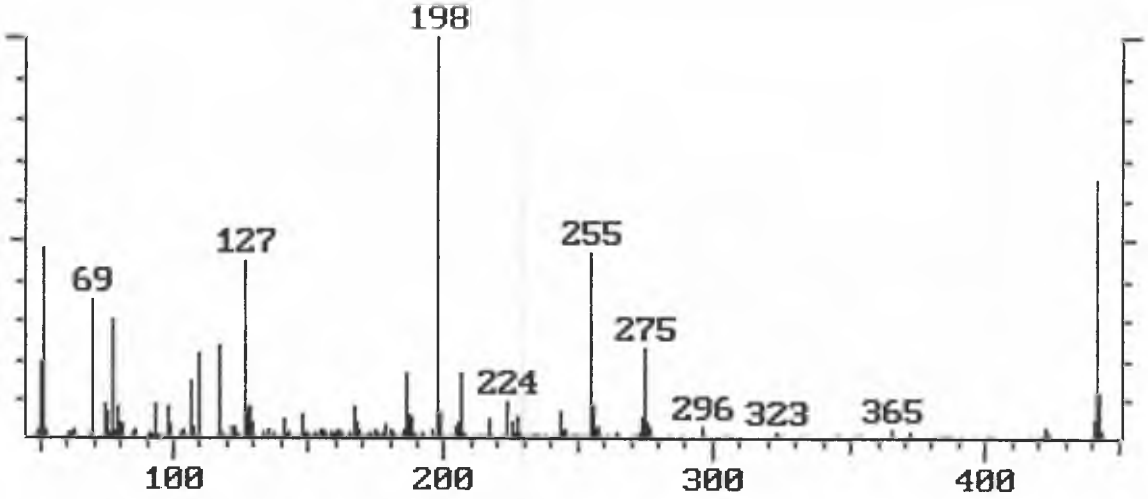


Mass	Acceptance Criterion	Value	Pass/Fail
51	30-60% of Mass 198	46.01	Pass
68	<= 2% of Mass 69	0.00	Pass
69	Exists Only	30.07	Pass
70	<= 2% of Mass 69	0.00	Pass
127	40-60% of Mass 198	44.21	Pass
197	<= 2% of Mass 198	0.00	Pass
198	Base Peak	100.00	Pass
199	5 - 9% of Mass 198	6.17	Pass
275	10-30% of Mass 198	23.56	Pass
365	>= 1% of Mass 198	1.96	Pass
441	Exists/<= Mass 443	6.54	Pass
442	40-100% of Mass 198	67.63	Pass
443	17-23% of Mass 442	19.75	Pass

Method 8270 DFTPP Report

Data File: P10786B
Cali File: DFTPP

Acqu Date: 12/21/94
Acqu Time: 23:31

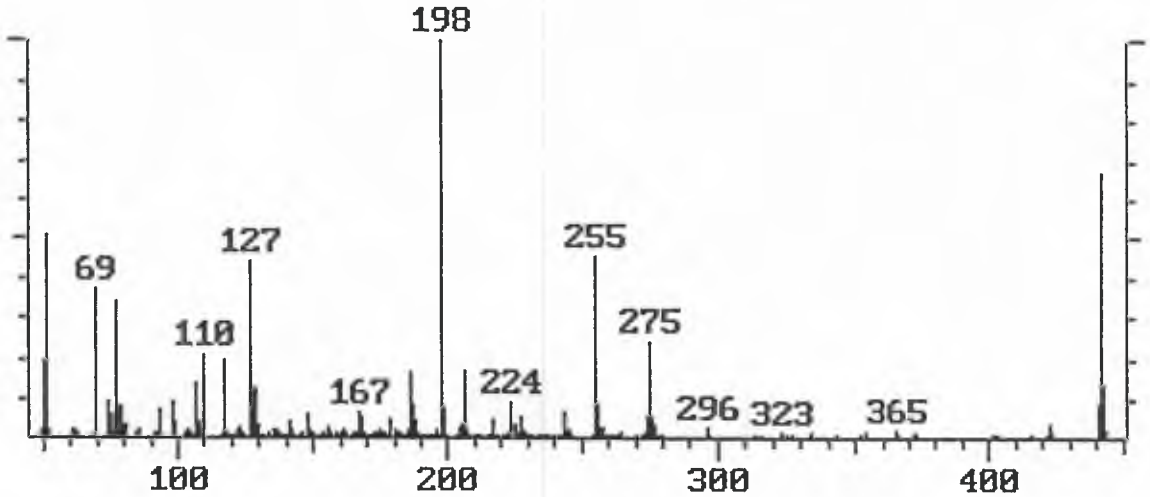


Mass	Acceptance Criterion	Value	Pass/Fail
51	30-60% of Mass 198	48.06	Pass
68	<= 2% of Mass 69	1.88	Pass
69	Exists Only	35.09	Pass
70	<= 2% of Mass 69	0.00	Pass
127	40-60% of Mass 198	44.74	Pass
197	<= 2% of Mass 198	0.64	Pass
198	Base Peak	100.00	Pass
199	5 - 9% of Mass 198	6.35	Pass
275	10-30% of Mass 198	22.63	Pass
365	>= 1% of Mass 198	1.89	Pass
441	Exists/<= Mass 443	6.15	Pass
442	40-100% of Mass 198	65.30	Pass
443	17-23% of Mass 442	17.12	Pass

Method 8270 DFTPP Report

Data File: P10833
Cali File: DFTPP

Acqu Date: 12/28/94
Acqu Time: 12:50

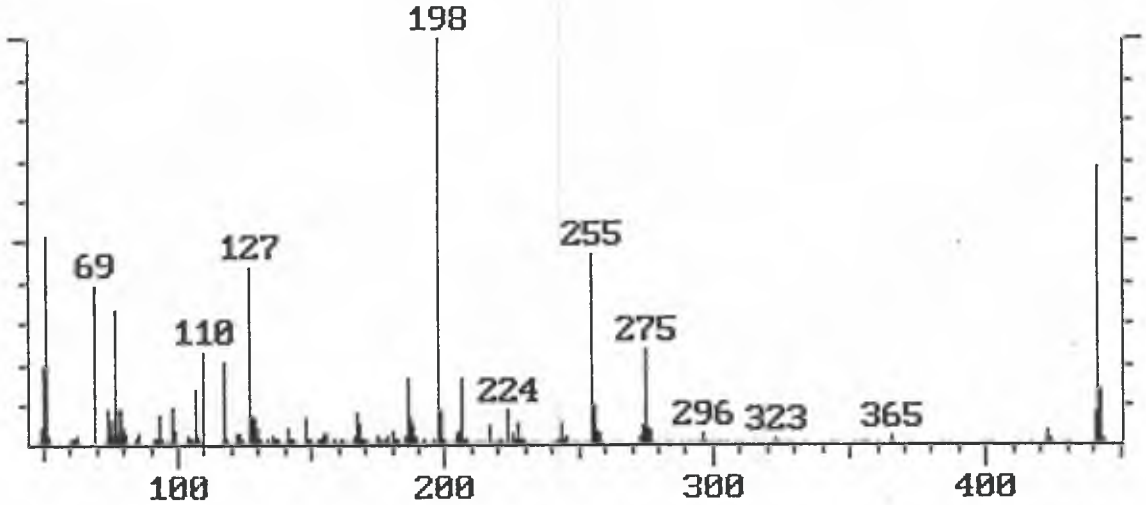


Mass	Acceptance Criterion	Value	Pass/Fail
51	30-60% of Mass 198	50.78	Pass
68	<= 2% of Mass 69	1.98	Pass
69	Exists Only	37.21	Pass
70	<= 2% of Mass 69	0.00	Pass
127	40-60% of Mass 198	44.31	Pass
197	<= 2% of Mass 198	0.55	Pass
198	Base Peak	100.00	Pass
199	5 - 9% of Mass 198	7.26	Pass
275	10-30% of Mass 198	24.05	Pass
365	>= 1% of Mass 198	1.71	Pass
441	Exists/<= Mass 443	11.94	Pass
442	40-100% of Mass 198	66.75	Pass
443	17-23% of Mass 442	20.00	Pass

Method 8270 DFTPP Report

Data File: P10897
Cali File: DFTPP

Acqu Date: 01/04/95
Acqu Time: 16:31

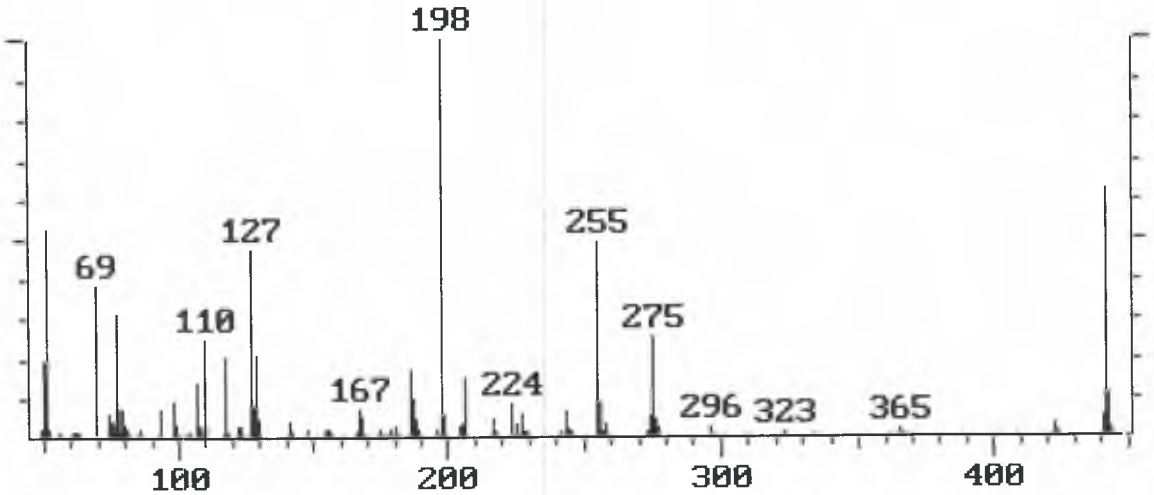


Mass	Acceptance Criterion	Value	Pass/Fail
51	30-60% of Mass 198	51.55	Pass
68	<= 2% of Mass 69	1.34	Pass
69	Exists Only	39.06	Pass
70	<= 2% of Mass 69	0.00	Pass
127	40-60% of Mass 198	43.57	Pass
197	<= 2% of Mass 198	0.60	Pass
198	Base Peak	100.00	Pass
199	5 - 9% of Mass 198	8.15	Pass
275	10-30% of Mass 198	23.07	Pass
365	>= 1% of Mass 198	1.43	Pass
441	Exists/<= Mass 443	11.38	Pass
442	40-100% of Mass 198	68.06	Pass
443	17-23% of Mass 442	19.77	Pass

Method 8270 DFTPP Report

Data File: P10972
Cali File: DFTPP

Acqu Date: 01/12/95
Acqu Time: 13:29



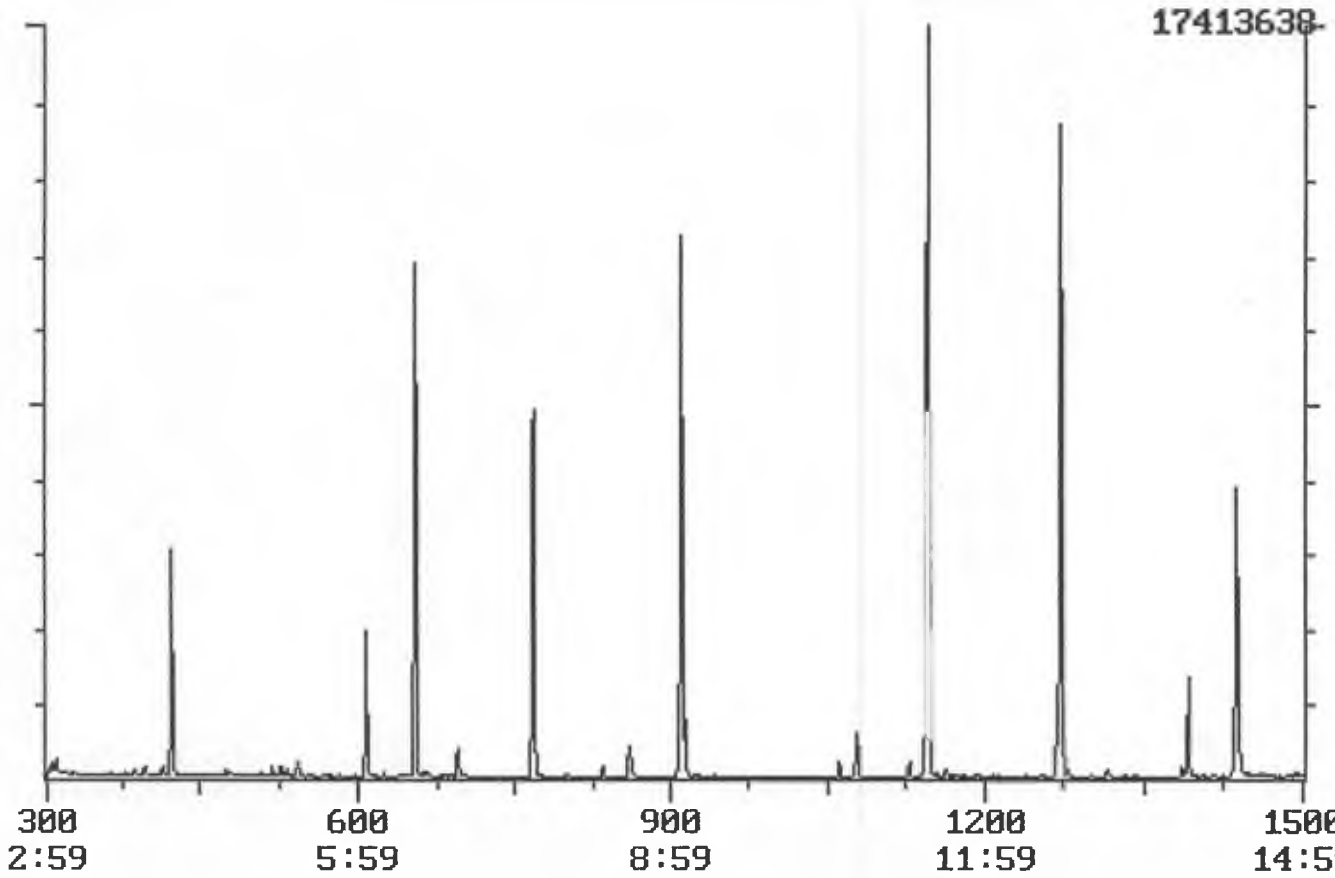
Mass	Acceptance Criterion	Value	Pass/Fail
51	30-60% of Mass 198	52.65	Pass
68	<= 2% of Mass 69	1.19	Pass
69	Exists Only	38.00	Pass
70	<= 2% of Mass 69	0.00	Pass
127	40-60% of Mass 198	47.70	Pass
197	<= 2% of Mass 198	0.00	Pass
198	Base Peak	100.00	Pass
199	5 - 9% of Mass 198	5.83	Pass
275	10-30% of Mass 198	25.43	Pass
365	>= 1% of Mass 198	1.72	Pass
441	Exists/<= Mass 443	7.81	Pass
442	40-100% of Mass 198	62.54	Pass
443	17-23% of Mass 442	17.11	Pass

METHOD BLANK DATA

SAMPLE CHROMATOGRAM

DATAFILE : P10776
SAMPLE : SV176 METHOD BLANK 8270
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/21/94 17:11

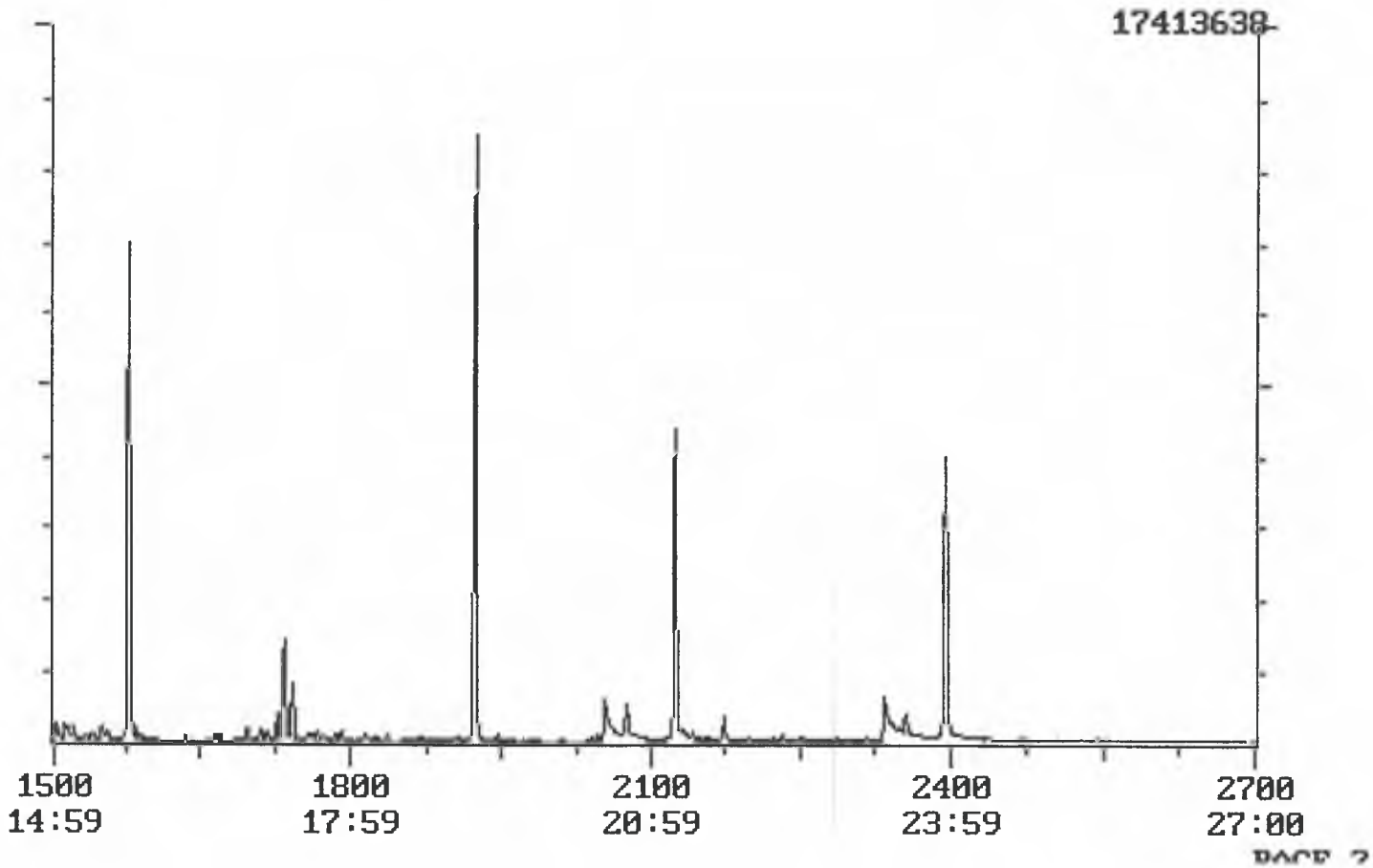


PAGE 1

SAMPLE CHROMATOGRAM

DATAFILE : P10776
SAMPLE : SV176 METHOD BLANK 8270
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/21/94 17:11



SAMPLE QUANTITATION REPORT

DATAFILE : P10776
SAMPLE : SV176 METHOD BLANK 8270
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/21/94 17:11

Compound name	RT	Concentration		Area	CCSTD Area / RT
d4-1,4-diClbenzene (IS)	6.54	4.000	NG/UL	5075768	4582835 6.54
d8-naphthalene (IS)	9.11	4.000	NG/UL	15405765	13897224 9.10
d8-acenaphthene (IS)	12.73	4.000	NG/UL	10109963	9033309 12.72
d10-phenanthrene (IS)	15.77	4.000	NG/UL	13308994	11474871 15.77
d12-chrysene (IS)	21.24	4.000	NG/UL	8145641	6898807 21.24
d12-perylene (IS)	23.95	4.000	NG/UL	8388544	7199372 23.95
d5-nitrobenzene (SS)	7.69	5.345	NG/UL	4184732	
2-fluorobiphenyl (SS)	11.46	6.231	NG/UL	16399970	
d14-terphenyl (SS)	19.24	7.435	NG/UL	12175320	
d5-phenol (SS)	6.07	2.315	NG/UL	2222604	
2-fluorophenol (SS)	4.22	4.231	NG/UL	3419772	
2,4,6-tribromophenol (S	14.38	6.785	NG/UL	2663542	
*^ phenol			ND		
bis-(2-chloroethyl)ether			ND		
^ 2-chlorophenol			ND		
1,3-dichlorobenzene			ND		
^ 1,4-dichlorobenzene			ND		
benzyl alcohol			ND		
1,2-dichlorobenzene			ND		
2-methylphenol			ND		
bis-(2-chloroisopropyl)eth			ND		
4-methylphenol			ND		
**^ n-nitroso-di-n-propylamine			ND		
hexachloroethane			ND		
nitrobenzene			ND		
isophorone			ND		
2-nitrophenol			ND		
2,4-dimethylphenol			ND		
benzoic acid			ND		
bis-(2-chloroethoxy)ether			ND		
* 2,4-dichlorophenol			ND		

SAMPLE QUANTITATION REPORT

DATAFILE : P10776 ANALYSIS DATE : 12/21/94 17:11
SAMPLE : SV176 METHOD BLANK 8270
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

	Compound name	RT	Concentration	Area	CCSTD Area / RT
^	1,2,4-trichlorobenzene		ND		
	naphthalene		ND		
	4-chloroaniline		ND		
*	hexachlorobutadiene		ND		
^	4-chloro-3-methylphenol		ND		
	2-methylnaphthalene		ND		
**	hexachlorocyclopentadiene		ND		
*	2,4,6-trichlorophenol		ND		
	2,4,5-trichlorophenol		ND		
	2-chloronaphthalene		ND		
	2-nitroaniline		ND		
	dimethyl phthalate		ND		
	acenaphthylene		ND		
	2,6-dinitrotoluene		ND		
	3-nitroaniline		ND		
* ^	acenaphthene		ND		
**	2,4-dinitrophenol		ND		
**^	4-nitrophenol		ND		
	dibenzofuran		ND		
^	2,4-dinitrotoluene		ND		
	diethylphthalate		ND		
	4-chlorophenyl-phenyl-ethe		ND		
	fluorene		ND		
	4-nitroaniline		ND		
	4,6-dinitro-2-methylphenol		ND		
*	n-nitrosodiphenylamine		ND		
	4-bromophenyl-phenyl-ether		ND		
	hexachlorobenzene		ND		
*^	pentachlorophenol		ND		
	phenanthrene		ND		
	anthracene		ND		

SAMPLE QUANTITATION REPORT

DATAFILE : P10776
SAMPLE : SV176 METHOD BLANK 8270
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

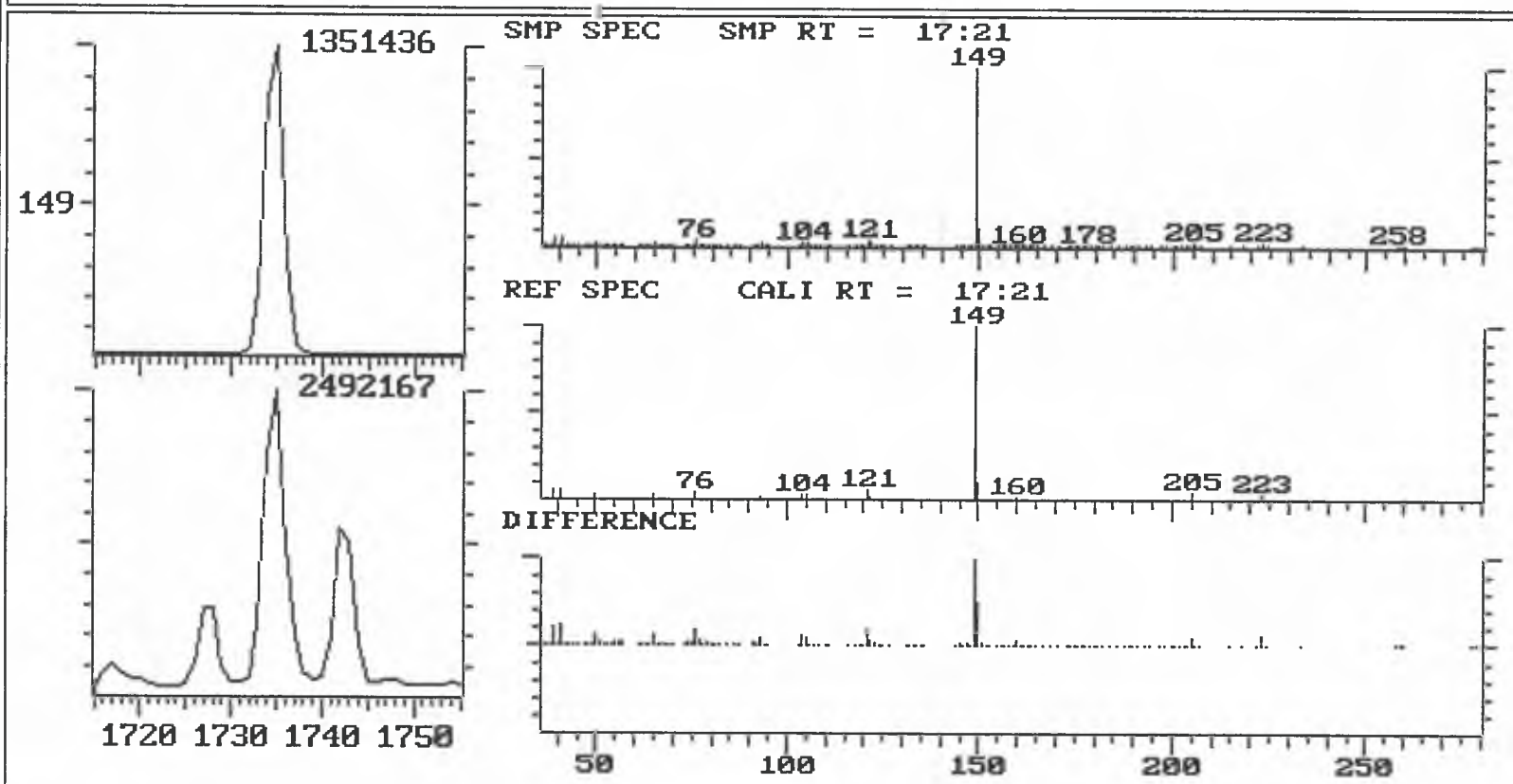
ANALYSIS DATE : 12/21/94 17:11

	Compound name	RT	Concentration		Area	CCSTD Area / RT
	di-n-butylphthalate	17.35	0.719	NG/UL	3326843	
*	fluoranthene			ND		
^	pyrene			ND		
	butylbenzylphthalate			ND		
	3,3'-dichlorobenzidine			ND		
	benzo(a)anthracene			ND		
	chrysene			ND		
	bis-(2-ethylhexyl)phth	21.74	0.180	NG/UL	594338	
*	di-n-octylphthalate			ND		
	benzo(b)fluoranthene			ND		
	benzo(k)fluoranthene			ND		
*	benzo(a)pyrene			ND		
	indeno(1,2,3-cd)pyrene			ND		
	dibenzo(a,h)anthracene			ND		
	benzo(g,h,i)perylene			ND		

SAMPLE QUANTITATION REPORT

DATAFILE : P10776
SAMPLE : SV176 METHOD BLANK 8270
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/21/94 17:11

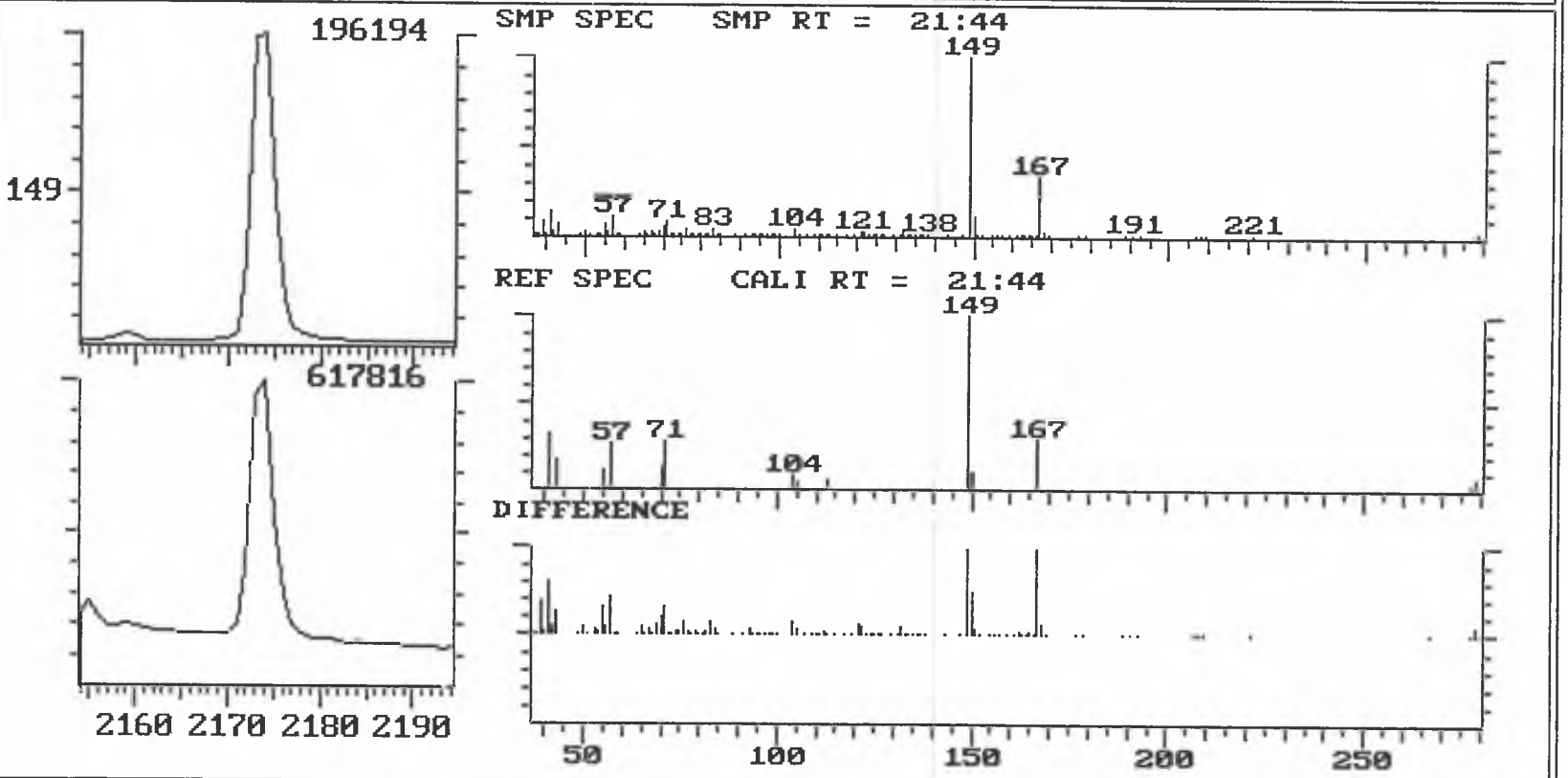


COMPOUND : di-n-butylphthalate
AMOUNT : 0.719 NG/UL
FIT S/N : 1000

SAMPLE QUANTITATION REPORT

DATAFILE : P10776
SAMPLE : SV176 METHOD BLANK 8270
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/21/94 17:11

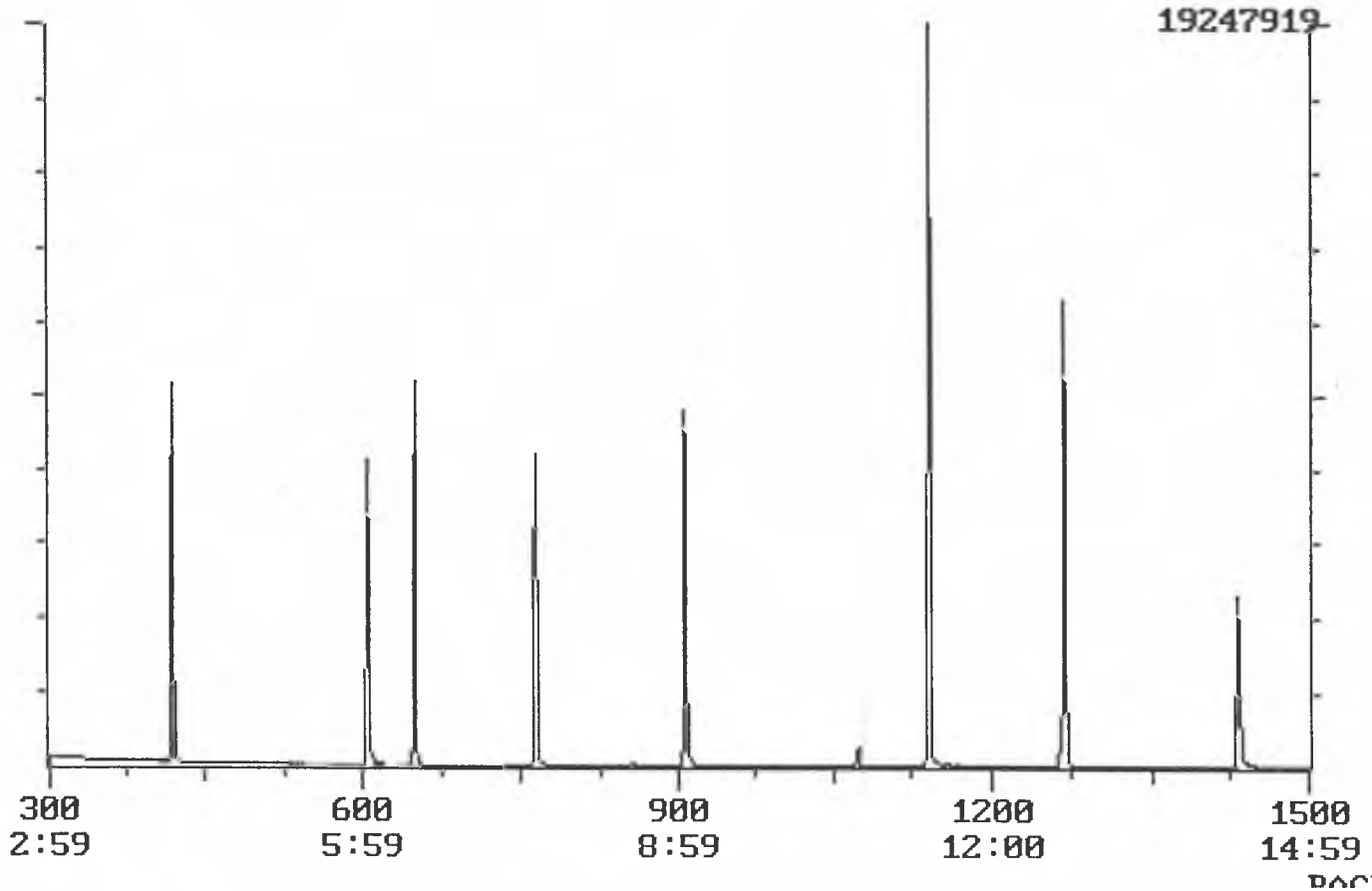


COMPOUND : bis-(2-ethylhexyl)ph
AMOUNT : 0.180 NG/UL
FIT S/N : 963

SAMPLE CHROMATOGRAM

DATAFILE : P10835
SAMPLE : SV185 METHOD BLANK
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

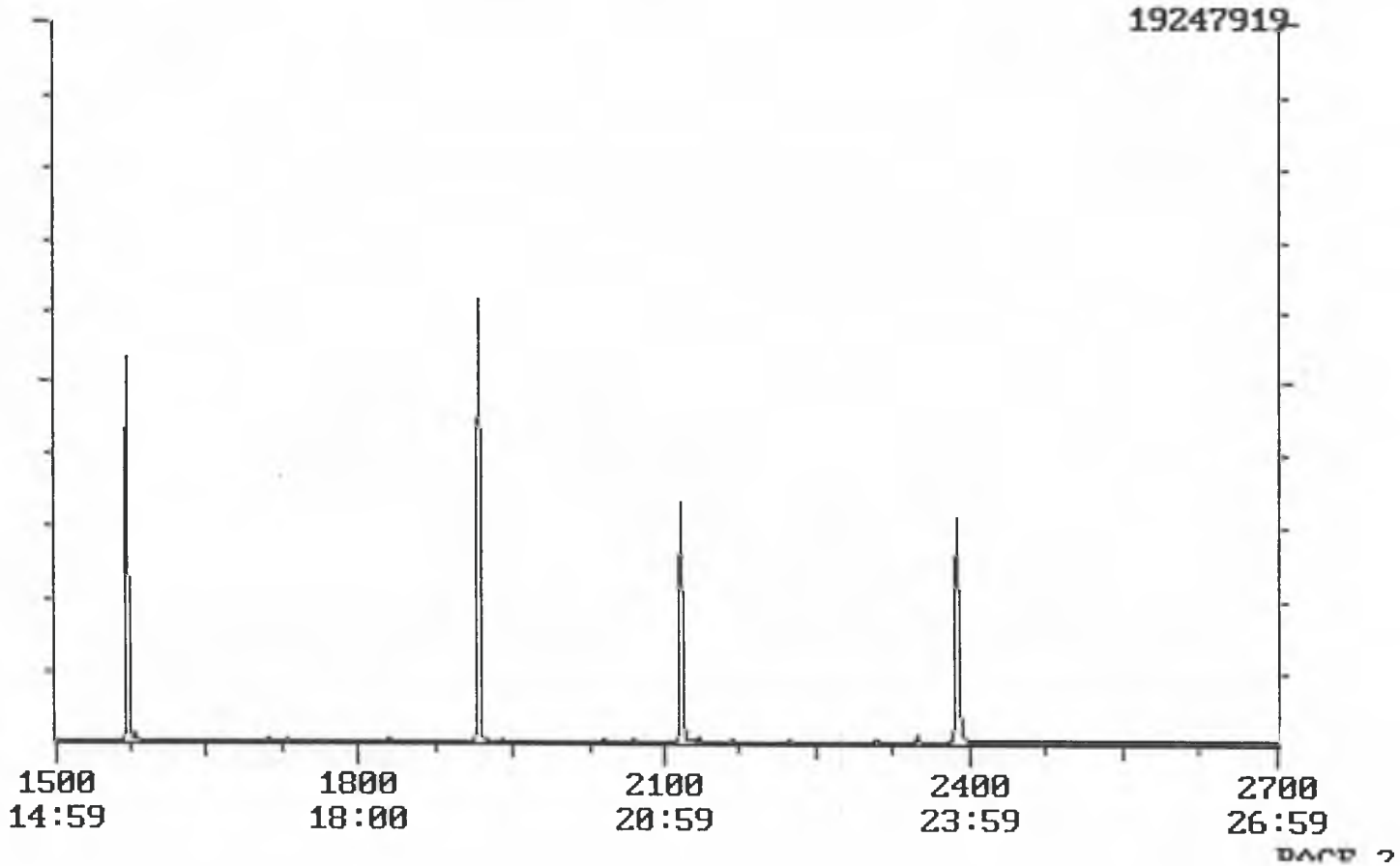
ANALYSIS DATE : 12/28/94 13:56



SAMPLE CHROMATOGRAM

DATAFILE : P10835
SAMPLE : SV185 METHOD BLANK
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/28/94 13:56



SAMPLE QUANTITATION REPORT

DATAFILE : P10835 ANALYSIS DATE : 12/28/94 13:56
SAMPLE : SV185 METHOD BLANK
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area / RT
d4-1,4-diClbenzene (IS)	6.50	4.000	NG/UL	4354116	4744450 6.50
d8-naphthalene (IS)	9.06	4.000	NG/UL	12747783	14826666 9.08
d8-acenaphthene (IS)	12.68	4.000	NG/UL	8706980	9568973 12.69
d10-phenanthrene (IS)	15.72	4.000	NG/UL	11030872	12664283 15.73
d12-chrysene (IS)	21.17	4.000	NG/UL	7283368	7967837 21.19
d12-perylene (IS)	23.88	4.000	NG/UL	7487670	8675564 23.90
d5-nitrobenzene (SS)	7.64	7.273	NG/UL	4285321	
2-fluorobiphenyl (SS)	11.42	8.809	NG/UL	17347953	
d14-terphenyl (SS)	19.17	8.222	NG/UL	11342294	
d5-phenol (SS)	6.05	8.365	NG/UL	6748531	
2-fluorophenol (SS)	4.19	9.571	NG/UL	6382071	
2,4,6-tribromophenol (S	14.33	6.179	NG/UL	1857194	
*^ phenol			ND		
bis-(2-chloroethyl)ether			ND		
^ 2-chlorophenol			ND		
1,3-dichlorobenzene			ND		
^ 1,4-dichlorobenzene			ND		
benzyl alcohol			ND		
1,2-dichlorobenzene			ND		
2-methylphenol			ND		
bis-(2-chloroisopropyl)eth			ND		
4-methylphenol			ND		
**^ n-nitroso-di-n-propylamine			ND		
hexachloroethane			ND		
nitrobenzene			ND		
isophorone			ND		
2-nitrophenol			ND		
2,4-dimethylphenol			ND		
benzoic acid			ND		
bis-(2-chloroethoxy)ether			ND		
* 2,4-dichlorophenol			ND		

SAMPLE QUANTITATION REPORT

DATAFILE : P10835 ANALYSIS DATE : 12/28/94 13:56
SAMPLE : SV185 METHOD BLANK
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration	Area	CCSTD Area / RT
^ 1,2,4-trichlorobenzene		ND		
naphthalene		ND		
4-chloroaniline		ND		
* hexachlorobutadiene		ND		
^ 4-chloro-3-methylphenol		ND		
2-methylnaphthalene		ND		
** hexachlorocyclopentadiene		ND		
* 2,4,6-trichlorophenol		ND		
2,4,5-trichlorophenol		ND		
2-chloronaphthalene		ND		
2-nitroaniline		ND		
dimethyl phthalate		ND		
acenaphthylene		ND		
2,6-dinitrotoluene		ND		
3-nitroaniline		ND		
* ^ acenaphthene		ND		
** 2,4-dinitrophenol		ND		
**^ 4-nitrophenol		ND		
dibenzofuran		ND		
^ 2,4-dinitrotoluene		ND		
diethylphthalate		ND		
4-chlorophenyl-phenyl-ethe		ND		
fluorene		ND		
4-nitroaniline		ND		
4,6-dinitro-2-methylphenol		ND		
* n-nitrosodiphenylamine		ND		
4-bromophenyl-phenyl-ether		ND		
hexachlorobenzene		ND		
*^ pentachlorophenol		ND		
phenanthrene		ND		
anthracene		ND		

SAMPLE QUANTITATION REPORT

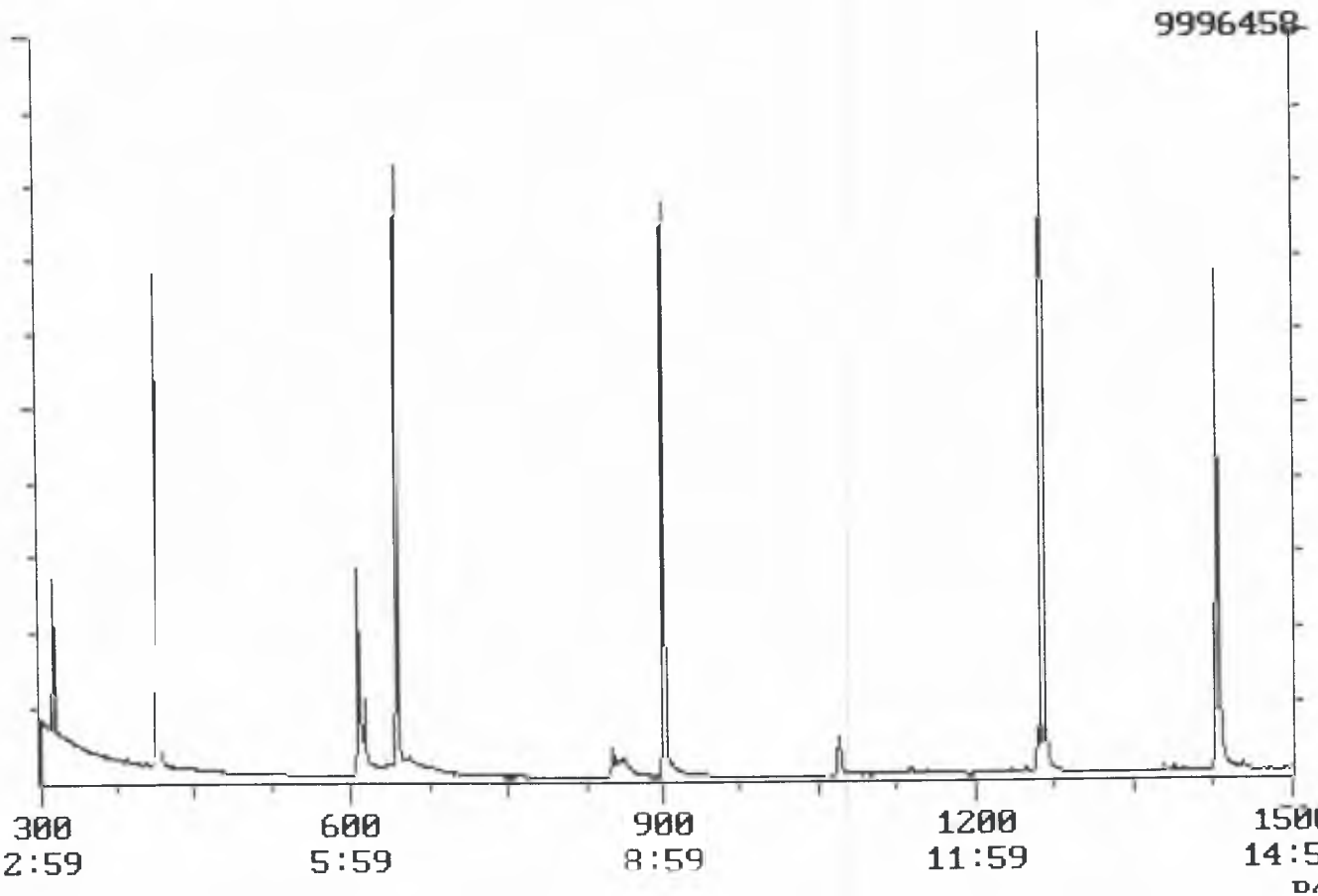
DATAFILE : P10835
SAMPLE : SV185 METHOD BLANK
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/28/94 13:56

	Compound name	RT	Concentration	Area	CCSTD Area / RT
	di-n-butylphthalate		ND		
*	fluoranthene		ND		
^	pyrene		ND		
	butylbenzylphthalate		ND		
	3,3'-dichlorobenzidine		ND		
	benzo(a)anthracene		ND		
	chrysene		ND		
	bis-(2-ethylhexyl)phthalat		ND		
*	di-n-octylphthalate		ND		
	benzo(b)fluoranthene		ND		
	benzo(k)fluoranthene		ND		
*	benzo(a)pyrene		ND		
	indeno(1,2,3-cd)pyrene		ND		
	dibenzo(a,h)anthracene		ND		
	benzo(g,h,i)perylene		ND		

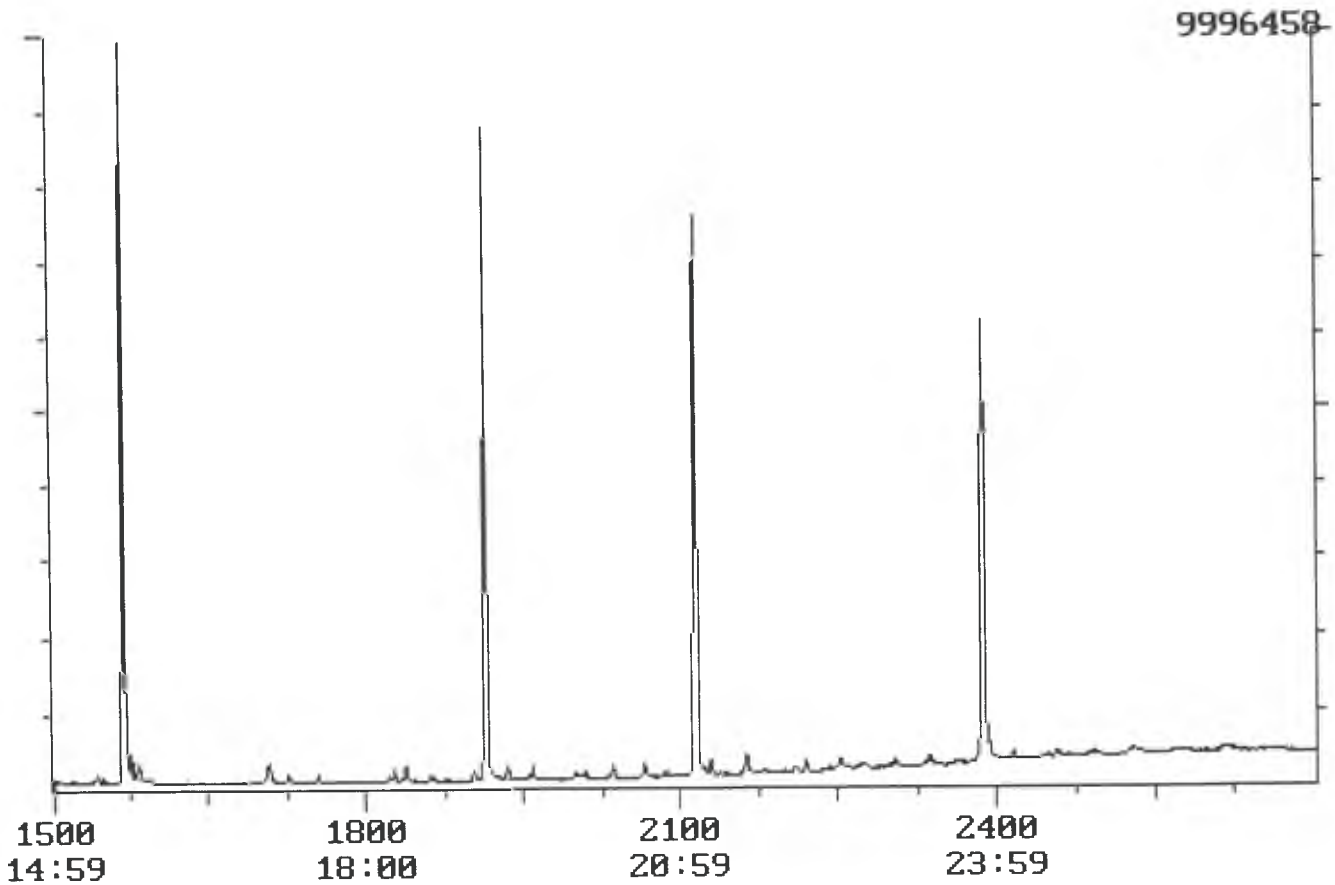
SAMPLE CHROMATOGRAM

DATAFILE : P10974 ANALYSIS DATE : 01/12/95 14:37
SAMPLE : SV185C MB CAUSTIC CLEAN UP
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



SAMPLE CHROMATOGRAM

DATAFILE : P10974 ANALYSIS DATE : 01/12/95 14:37
SAMPLE : SV185C MB CAUSTIC CLEAN UP
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



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SAMPLE QUANTITATION REPORT

DATAFILE : P10974 ANALYSIS DATE : 01/12/95 14:37
SAMPLE : SV185C MB CAUSTIC CLEAN UP
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

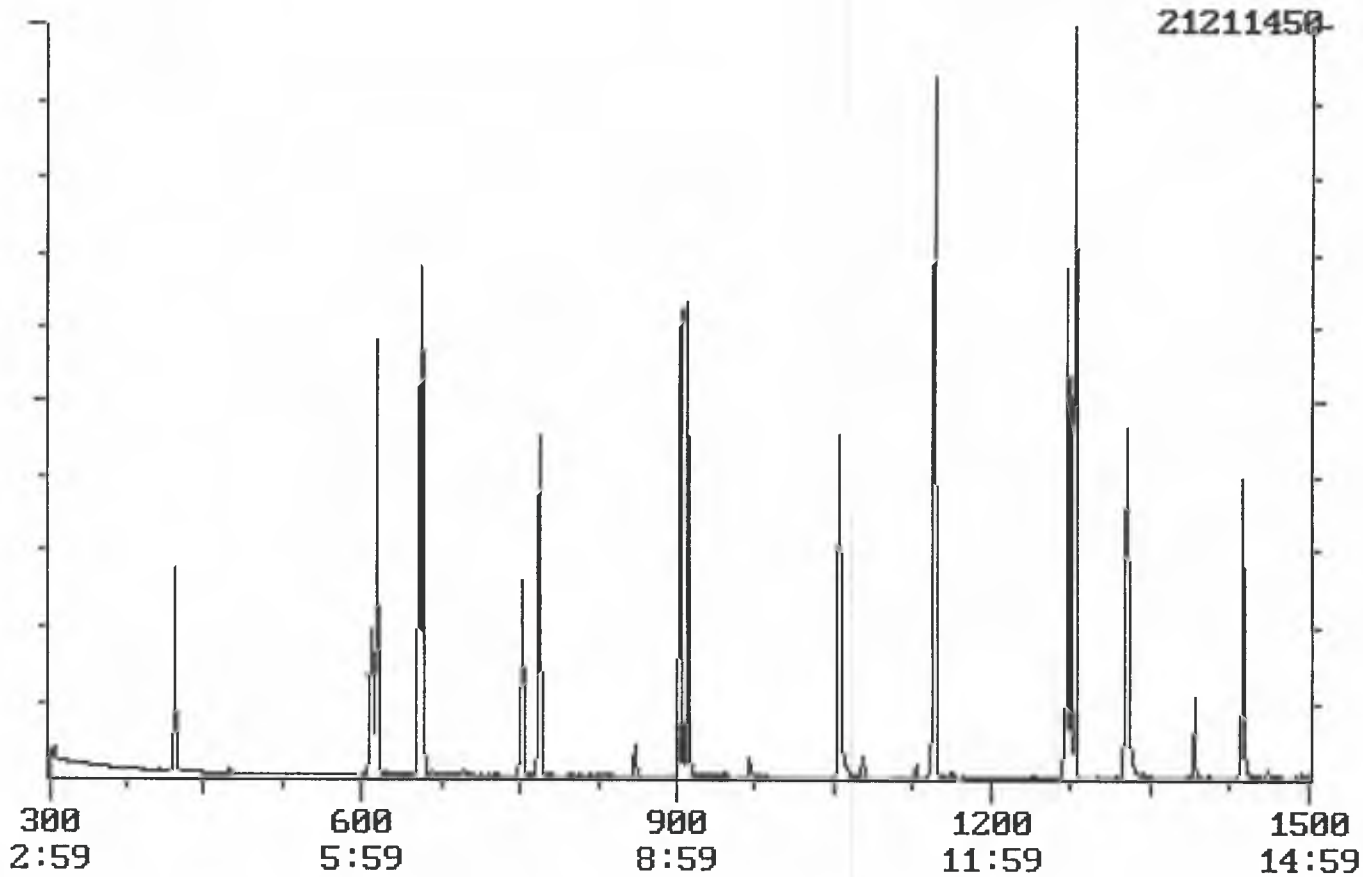
Compound name	RT	Concentration			Area	CCSTD Area / RT
d4-1,4-diClbenzene (IS)	6.45	4.000	NG/UL		3752437	4595924 6.46
d8-naphthalene (IS)	9.02	4.000	NG/UL		11402587	14821906 9.03
d8-acenaphthene (IS)	12.64	4.000	NG/UL		7903445	9809542 12.66
d10-phenanthrene (IS)	15.69	4.000	NG/UL		11530029	13888904 15.71
d12-chrysene (IS)	21.16	4.000	NG/UL		8335738	9629078 21.18
d12-perylene (IS)	23.88	4.000	NG/UL		6999334	10426872 23.90
d5-nitrobenzene (SS)				ND		
2-fluorobiphenyl (SS)				ND		
d14-terphenyl (SS)	19.15	4.888	NG/UL		6904466	
d5-phenol (SS)	6.07	3.245	NG/UL		2436351	
2-fluorophenol (SS)	4.15	7.364	NG/UL		3973577	
2,4,6-tribromophenol (S	14.30	9.280	NG/UL		2810474	
*^ pentachlorophenol				ND		

MATRIX SPIKE/MATRIX SPIKE DUPLICATE DATA

SAMPLE CHROMATOGRAM

DATAFILE : P10789
SAMPLE : 45229-7 MS SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/22/94 01:15

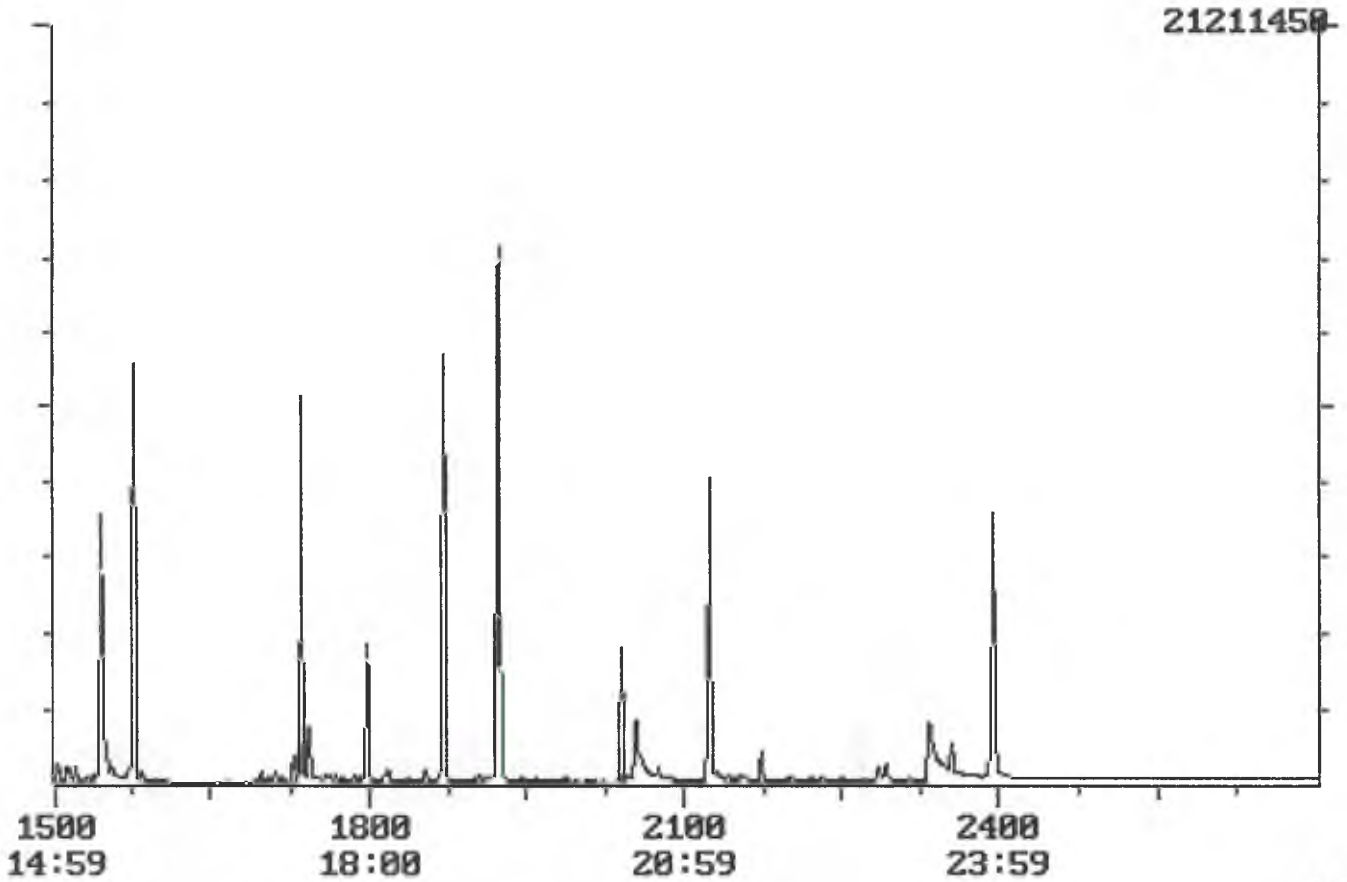


PAGE 1

SAMPLE CHROMATOGRAM

DATAFILE : P10789
SAMPLE : 45229-7 MS SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/22/94 01:15



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SAMPLE QUANTITATION REPORT

DATAFILE : P10789 ANALYSIS DATE : 12/22/94 01:15
SAMPLE : 45229-7 MS SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area / RT	
d4-1,4-diClbenzene (IS)	6.54	4.000	NG/UL	5153835	4004999	6.54
d8-naphthalene (IS)	9.11	4.000	NG/UL	15629097	12582491	9.11
d8-acenaphthene (IS)	12.73	4.000	NG/UL	10133332	7909801	12.73
d10-phenanthrene (IS)	15.77	4.000	NG/UL	13080743	11609251	15.77
d12-chrysene (IS)	21.24	4.000	NG/UL	8845901	6991606	21.24
d12-perylene (IS)	23.95	4.000	NG/UL	9332620	7448922	23.95
d5-nitrobenzene (SS)	7.69	5.633	NG/UL	4400884		
2-fluorobiphenyl (SS)	11.46	6.700	NG/UL	18140506		
d14-terphenyl (SS)	19.24	7.967	NG/UL	14264501		
d5-phenol (SS)	6.07	1.977	NG/UL	1958111		
2-fluorophenol (SS)	4.22	3.741	NG/UL	3175309		
2,4,6-tribromophenol (S	14.38	7.986	NG/UL	3327411		
*^ phenol	6.10	1.813	NG/UL	2609478		
bis-(2-chloroethyl)eth	6.14	~~2.369~~	NG/UL	5365093		
^ 2-chlorophenol	6.14	5.971	NG/UL	9759095		
1,3-dichlorobenzene			ND			
^ 1,4-dichlorobenzene	6.57	5.604	NG/UL	10178328		
benzyl alcohol			ND			
1,2-dichlorobenzene			ND			
2-methylphenol			ND			
bis-(2-chloroisopropyl)eth			ND			
4-methylphenol			ND			
**^ n-nitroso-di-n-propyla	7.53	6.490	NG/UL	4038872		
hexachloroethane			ND			
nitrobenzene			ND			
isophorone			ND			
2-nitrophenol			ND			
2,4-dimethylphenol			ND			
benzoic acid			ND			
bis-(2-chloroethoxy)ether			ND			
* 2,4-dichlorophenol			ND			

SAMPLE QUANTITATION REPORT

DATAFILE : P10789 ANALYSIS DATE : 12/22/94 01:15
SAMPLE : 45229-7 MS SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area / RT
^ 1,2,4-trichlorobenzene	9.04	5.367	NG/UL	8188703	
naphthalene			ND		
4-chloroaniline			ND		
* hexachlorobutadiene			ND		
^ 4-chloro-3-methylpheno	10.56	7.204	NG/UL	5837300	
2-methylnaphthalene			ND		
** hexachlorocyclopentadiene			ND		
* 2,4,6-trichlorophenol			ND		
2,4,5-trichlorophenol			ND		
2-chloronaphthalene			ND		
2-nitroaniline			ND		
dimethyl phthalate			ND		
acenaphthylene			ND		
2,6-dinitrotoluene			ND		
3-nitroaniline			ND		
* ^ acenaphthene	12.80	6.399	NG/UL	15711560	
** 2,4-dinitrophenol			ND		
**^ 4-nitrophenol	13.31	2.582	NG/UL	1791317	
dibenzofuran			ND		
^ 2,4-dinitrotoluene	13.28	7.091	NG/UL	8054808	
diethylphthalate			ND		
4-chlorophenyl-phenyl-ethe			ND		
fluorene			ND		
4-nitroaniline			ND		
4,6-dinitro-2-methylphenol			ND		
* n-nitrosodiphenylamine			ND		
4-bromophenyl-phenyl-ether			ND		
hexachlorobenzene			ND		
*^ pentachlorophenol	15.46	11.767	NG/UL	5640571	
phenanthrene			ND		
anthracene			ND		

SAMPLE QUANTITATION REPORT

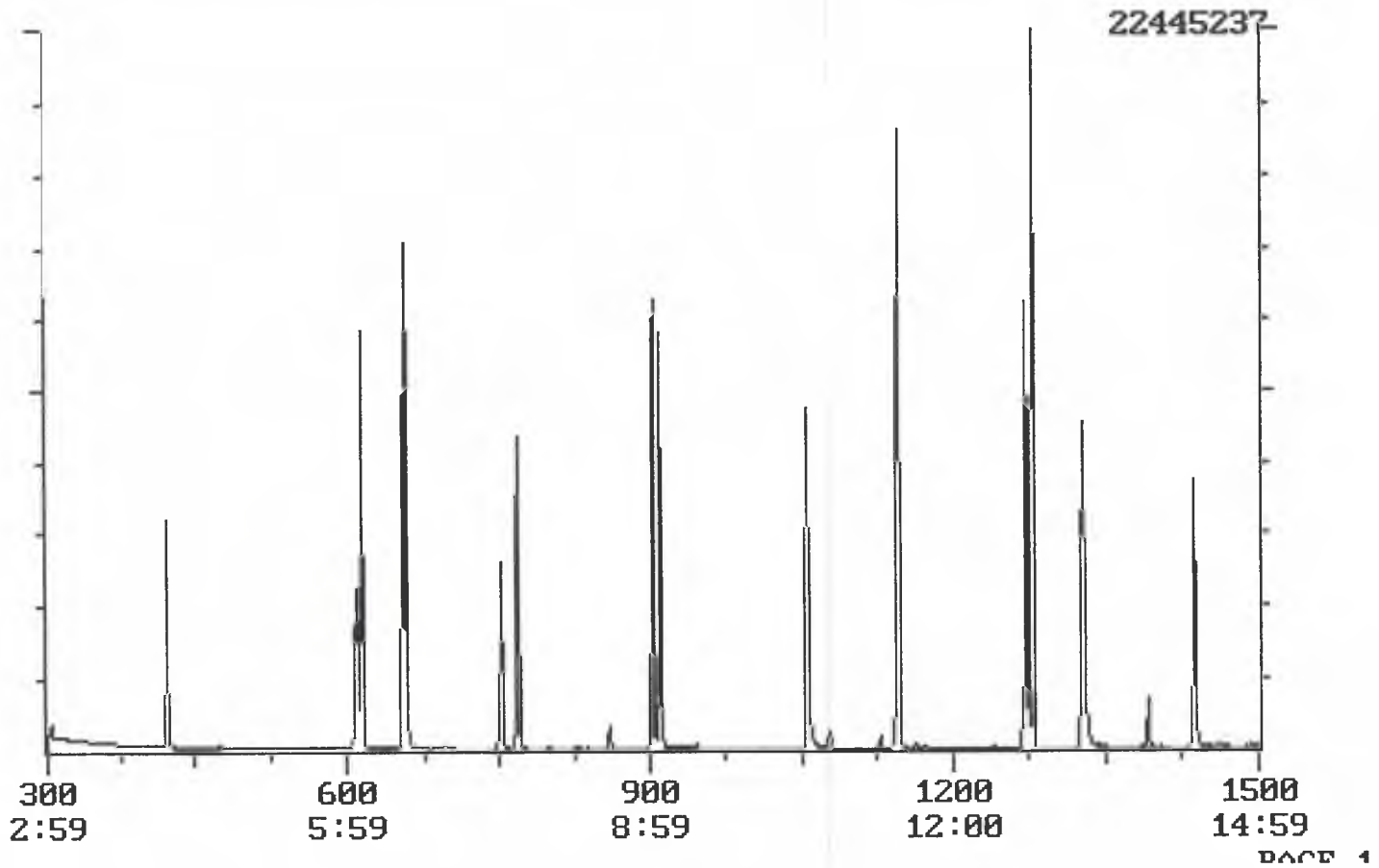
DATAFILE : P10789 ANALYSIS DATE : 12/22/94 01:15
SAMPLE : 45229-7 MS SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

	Compound name	RT	Concentration		Area	CCSTD Area / RT
	di-n-butylphthalate	17.35	3.389	NG/UL	14757671	
*	fluoranthene			ND		
^	pyrene	18.71	7.759	NG/UL	15982919	
	butylbenzylphthalate	20.41	1.234	NG/UL	3220844	
	3,3'-dichlorobenzidine			ND		
	benzo(a)anthracene			ND		
	chrysene			ND		
	bis-(2-ethylhexyl)phth	21.73	0.204	NG/UL	710010	
*	di-n-octylphthalate			ND		
	benzo(b)fluoranthene			ND		
	benzo(k)fluoranthene			ND		
*	benzo(a)pyrene			ND		
	indeno(1,2,3-cd)pyrene			ND		
	dibenzo(a,h)anthracene			ND		
	benzo(g,h,i)perylene			ND		

SAMPLE CHROMATOGRAM

DATAFILE : P10790
SAMPLE : 45229-7 MSD SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

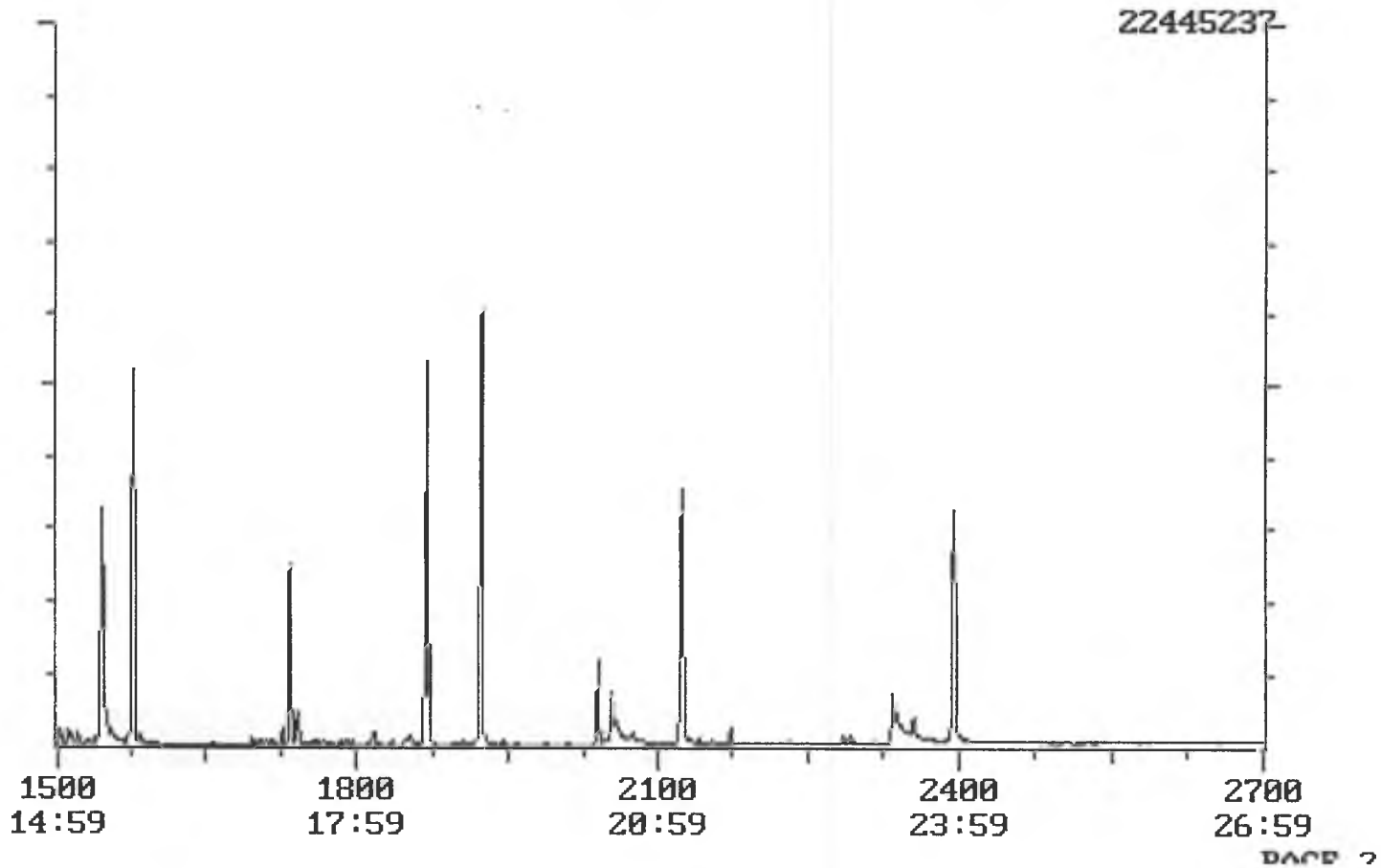
ANALYSIS DATE : 12/22/94 01:53



SAMPLE CHROMATOGRAM

DATAFILE : P10790
SAMPLE : 45229-7 MSD SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/22/94 01:53



SAMPLE QUANTITATION REPORT

DATAFILE : P10790
SAMPLE : 45229-7 MSD SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/22/94 01:53

Compound name	RT	Concentration		Area	CCSTD Area / RT
d4-1,4-diClbenzene (IS)	6.54	4.000	NG/UL	4965332	4004999 6.54
d8-naphthalene (IS)	9.11	4.000	NG/UL	14687722	12582491 9.11
d8-acenaphthene (IS)	12.73	4.000	NG/UL	9618640	7909801 12.73
d10-phenanthrene (IS)	15.77	4.000	NG/UL	13290976	11609251 15.77
d12-chrysene (IS)	21.24	4.000	NG/UL	8330780	6991606 21.24
d12-perylene (IS)	23.95	4.000	NG/UL	8641625	7448922 23.95
d5-nitrobenzene (SS)	7.69	5.965	NG/UL	4379656	
2-fluorobiphenyl (SS)	11.46	7.032	NG/UL	18072081	
d14-terphenyl (SS)	19.23	7.873	NG/UL	13276856	
d5-phenol (SS)	6.08	2.706	NG/UL	2582497	
2-fluorophenol (SS)	4.22	4.768	NG/UL	3899442	
2,4,6-tribromophenol (S	14.38	8.221	NG/UL	3251540	
*^ phenol	6.10	2.405	NG/UL	3334785	
bis-(2-chloroethyl)eth	6.14	~~2.860~~ NC	NG/UL	6241187	
^ 2-chlorophenol	6.14	6.921	NG/UL	10896657	
1,3-dichlorobenzene			ND		
^ 1,4-dichlorobenzene	6.57	6.262	NG/UL	10957860	
benzyl alcohol			ND		
1,2-dichlorobenzene			ND		
2-methylphenol			ND		
bis-(2-chloroisopropyl)eth			ND		
4-methylphenol			ND		
**^ n-nitroso-di-n-propyla	7.53	6.491	NG/UL	3891706	
hexachloroethane			ND		
nitrobenzene			ND		
isophorone			ND		
2-nitrophenol			ND		
2,4-dimethylphenol			ND		
benzoic acid			ND		
bis-(2-chloroethoxy)ether			ND		
* 2,4-dichlorophenol			ND		

SAMPLE QUANTITATION REPORT

DATAFILE : P10790 ANALYSIS DATE : 12/22/94 01:53
SAMPLE : 45229-7 MSD SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

	Compound name	RT	Concentration		Area	CCSTD Area / RT
^	1,2,4-trichlorobenzene	9.04	5.942	NG/UL	8519065	
	naphthalene			ND		
	4-chloroaniline			ND		
*	hexachlorobutadiene			ND		
^	4-chloro-3-methylpheno	10.56	8.255	NG/UL	6286125	
	2-methylnaphthalene			ND		
**	hexachlorocyclopentadiene			ND		
*	2,4,6-trichlorophenol			ND		
	2,4,5-trichlorophenol			ND		
	2-chloronaphthalene			ND		
	2-nitroaniline			ND		
	dimethyl phthalate			ND		
	acenaphthylene			ND		
	2,6-dinitrotoluene			ND		
	3-nitroaniline			ND		
* ^	acenaphthene	12.80	7.202	NG/UL	16783037	
**	2,4-dinitrophenol			ND		
**^	4-nitrophenol	13.31	3.451	NG/UL	2272897	
	dibenzofuran			ND		
^	2,4-dinitrotoluene	13.29	7.441	NG/UL	8022913	
	diethylphthalate			ND		
	4-chlorophenyl-phenyl-ethe			ND		
	fluorene			ND		
	4-nitroaniline			ND		
	4,6-dinitro-2-methylphenol			ND		
*	n-nitrosodiphenylamine			ND		
	4-bromophenyl-phenyl-ether			ND		
	hexachlorobenzene			ND		
*^	pentachlorophenol	15.46	11.448	NG/UL	5575990	
	phenanthrene			ND		
	anthracene			ND		

SAMPLE QUANTITATION REPORT

DATAFILE : P10790
SAMPLE : 45229-7 MSD SV176
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

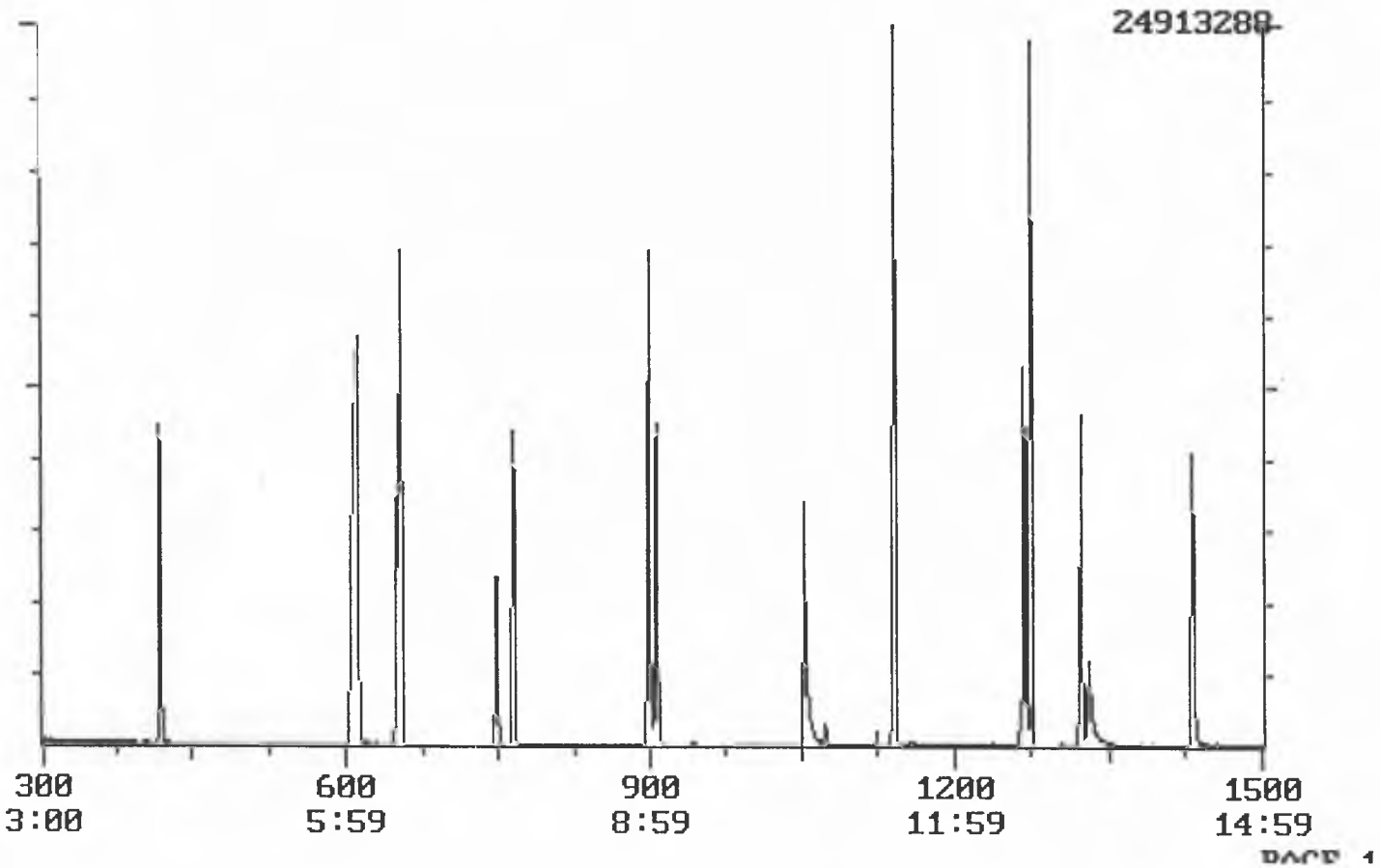
ANALYSIS DATE : 12/22/94 01:53

	Compound name	RT	Concentration		Area	CCSTD Area / RT
	di-n-butylphthalate	17.35	1.844	NG/UL	8158476	
*	fluoranthene			ND		
^	pyrene	18.71	7.971	NG/UL	15463511	
	butylbenzylphthalate	20.40	0.937	NG/UL	2303005	
	3,3'-dichlorobenzidine			ND		
	benzo(a)anthracene			ND		
	chrysene			ND		
	bis-(2-ethylhexyl)phth	21.73	0.138	NG/UL	450988	
*	di-n-octylphthalate			ND		
	benzo(b)fluoranthene			ND		
	benzo(k)fluoranthene			ND		
*	benzo(a)pyrene			ND		
	indeno(1,2,3-cd)pyrene			ND		
	dibenzo(a,h)anthracene			ND		
	benzo(g,h,i)perylene			ND		

SAMPLE CHROMATOGRAM

DATAFILE : P10837
SAMPLE : 45227-7MS SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

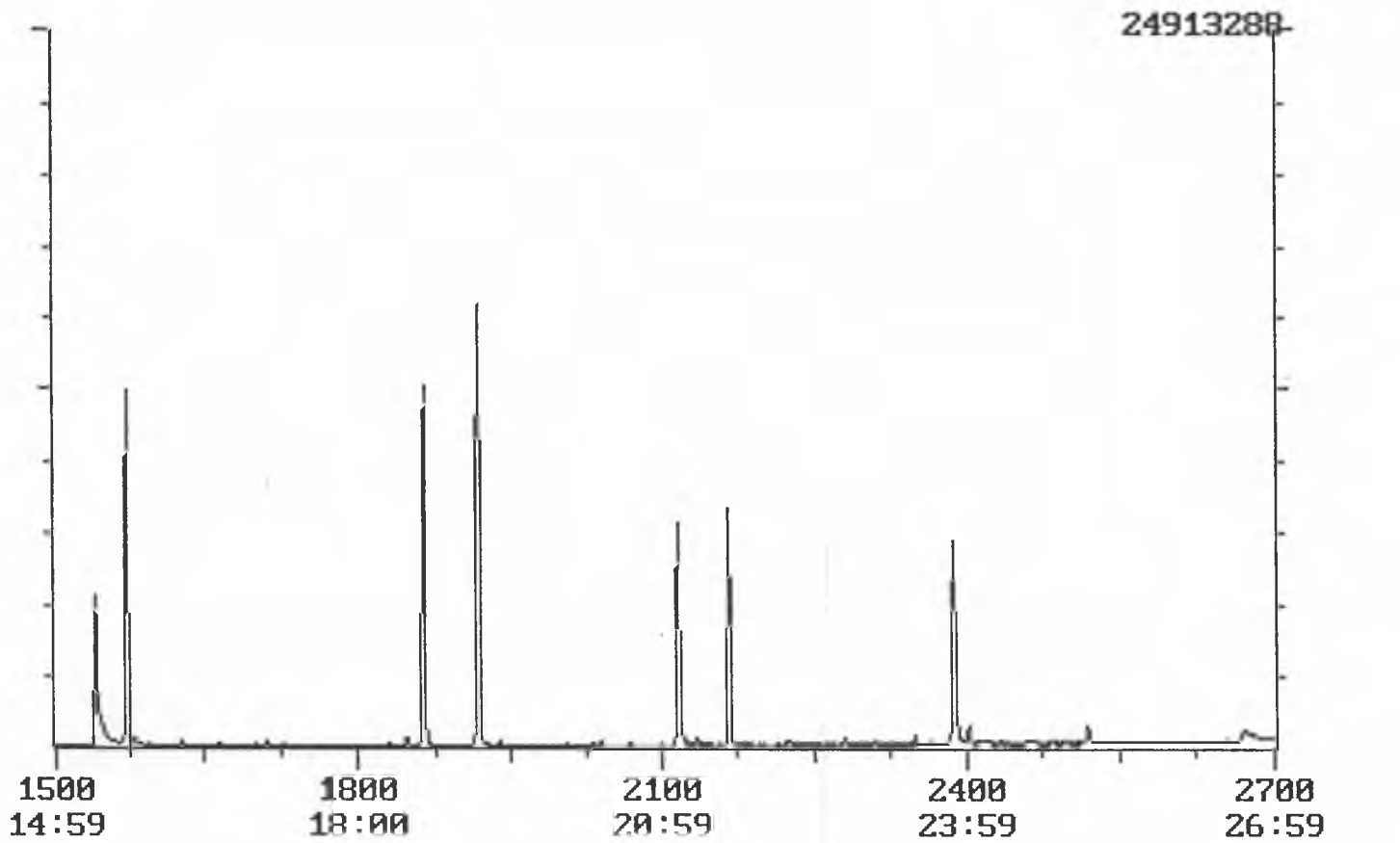
ANALYSIS DATE : 12/28/94 15:09



SAMPLE CHROMATOGRAM

DATAFILE : P10837
SAMPLE : 45227-7MS SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/28/94 15:09



SAMPLE QUANTITATION REPORT

DATAFILE : P10837
SAMPLE : 45227-7MS SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/28/94 15:09

Compound name	RT	Concentration		Area	CCSTD Area / RT
d4-1,4-diClbenzene (IS)	6.50	4.000	NG/UL	4984667	4744450 6.50
d8-naphthalene (IS)	9.07	4.000	NG/UL	15104641	14826666 9.08
d8-acenaphthene (IS)	12.68	4.000	NG/UL	9483103	9568973 12.69
d10-phenanthrene (IS)	15.72	4.000	NG/UL	12865381	12664283 15.73
d12-chrysene (IS)	21.17	4.000	NG/UL	8183604	7967837 21.19
d12-perylene (IS)	23.88	4.000	NG/UL	8632691	8675564 23.90
d5-nitrobenzene (SS)	7.65	7.020	NG/UL	4901294	
2-fluorobiphenyl (SS)	11.42	10.225	NG/UL	21931417	
d14-terphenyl (SS)	19.18	10.353	NG/UL	16047912	
d5-phenol (SS)	6.06	10.379	NG/UL	9586235	
2-fluorophenol (SS)	4.18	11.221	NG/UL	8565697	
2,4,6-tribromophenol (S	14.33	11.702	NG/UL	3830555	
*^ phenol	6.09	7.921	NG/UL	11082105	
bis-(2-chloroethyl)eth	6.11	~~4.090~~	NG/UL Not, T	8220240	
^ 2-chlorophenol	6.11	7.749	NG/UL	11053079	
1,3-dichlorobenzene			ND		
^ 1,4-dichlorobenzene	6.53	8.769	NG/UL	14551180	
benzyl alcohol			ND		
1,2-dichlorobenzene			ND		
2-methylphenol			ND		
bis-(2-chloroisopropyl)eth			ND		
4-methylphenol			ND		
**^ n-nitroso-di-n-propyla	7.49	8.020	NG/UL	4465974	
hexachloroethane			ND		
nitrobenzene			ND		
isophorone			ND		
2-nitrophenol			ND		
2,4-dimethylphenol			ND		
benzoic acid			ND		
bis-(2-chloroethoxy)ether			ND		
* 2,4-dichlorophenol			ND		

SAMPLE QUANTITATION REPORT

DATAFILE : P10837 ANALYSIS DATE : 12/28/94 15:09
SAMPLE : 45227-7MS SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area / RT
^ 1,2,4-trichlorobenzene	8.99	8.373	NG/UL	11723824	
naphthalene			ND		
4-chloroaniline			ND		
* hexachlorobutadiene			ND		
^ 4-chloro-3-methylpheno	10.53	9.094	NG/UL	6452901	
2-methylnaphthalene			ND		
** hexachlorocyclopentadiene			ND		
* 2,4,6-trichlorophenol			ND		
2,4,5-trichlorophenol			ND		
2-chloronaphthalene			ND		
2-nitroaniline			ND		
dimethyl phthalate			ND		
acenaphthylene			ND		
2,6-dinitrotoluene			ND		
3-nitroaniline			ND		
* ^ acenaphthene	12.75	8.927	NG/UL	18598635	
** 2,4-dinitrophenol			ND		
**^ 4-nitrophenol	13.31	9.241	NG/UL	4374459	
dibenzofuran			ND		
^ 2,4-dinitrotoluene	13.24	8.600	NG/UL	8236069	
diethylphthalate			ND		
4-chlorophenyl-phenyl-ethe			ND		
fluorene			ND		
4-nitroaniline			ND		
4,6-dinitro-2-methylphenol			ND		
* n-nitrosodiphenylamine			ND		
4-bromophenyl-phenyl-ether			ND		
hexachlorobenzene			ND		
*^ pentachlorophenol	15.41	14.689	NG/UL	5065344	
phenanthrene			ND		
anthracene			ND		

SAMPLE QUANTITATION REPORT

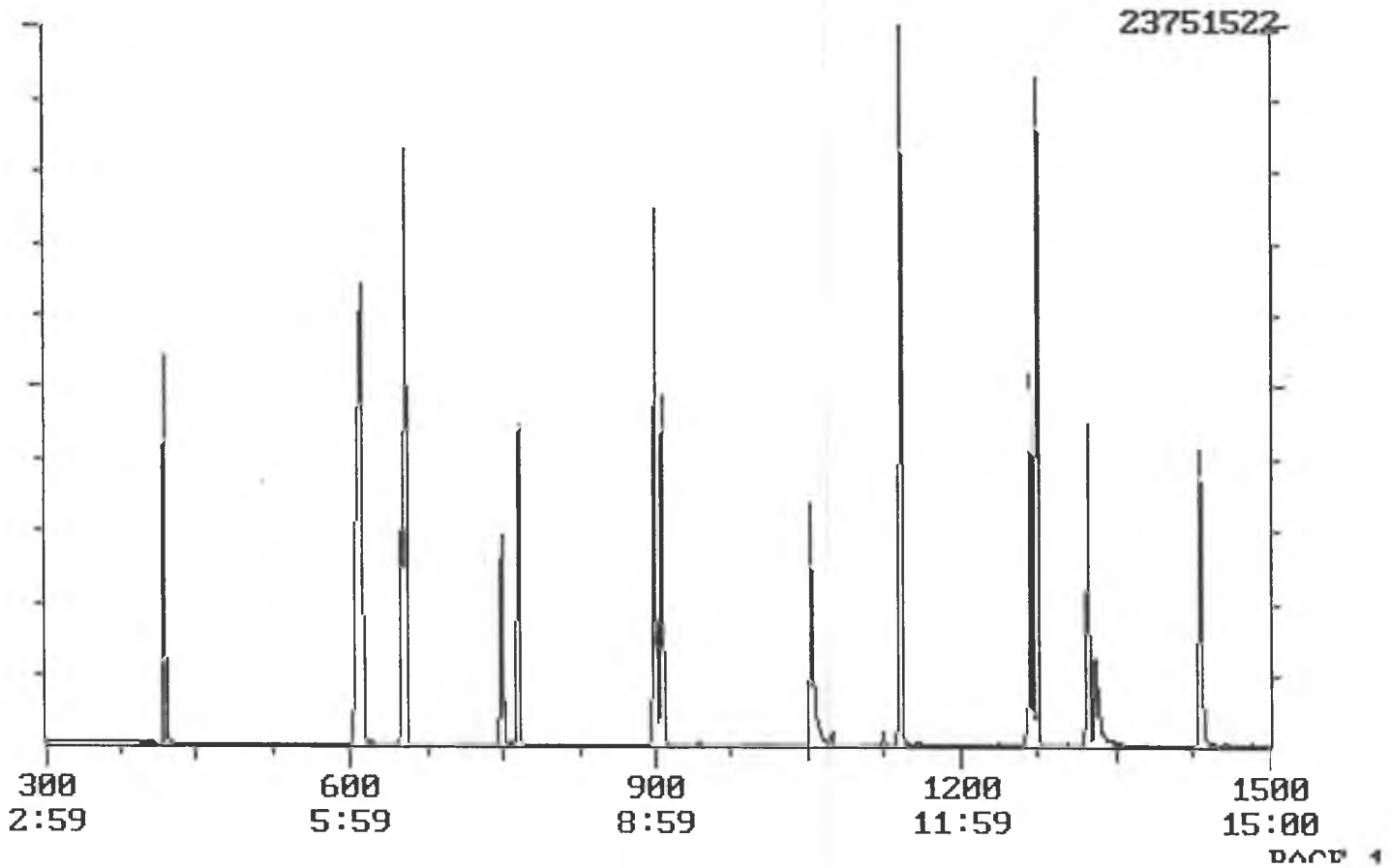
DATAFILE : P10837 ANALYSIS DATE : 12/28/94 15:09
SAMPLE : 45227-7MS SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

	Compound name	RT	Concentration		Area	CCSTD Area / RT
	di-n-butylphthalate			ND		
*	fluoranthene			ND		
^	pyrene	18.65	9.196 NG/UL		17573365	
	butylbenzylphthalate			ND		
	3,3'-dichlorobenzidine			ND		
	benzo(a)anthracene			ND		
	chrysene			ND		
	bis-(2-ethylhexyl)phth	21.67	2.639 NG/UL		8338409	
*	di-n-octylphthalate			ND		
	benzo(b)fluoranthene			ND		
	benzo(k)fluoranthene			ND		
*	benzo(a)pyrene			ND		
	indeno(1,2,3-cd)pyrene			ND		
	dibenzo(a,h)anthracene			ND		
	benzo(g,h,i)perylene			ND		

SAMPLE CHROMATOGRAM

DATAFILE : P10838
SAMPLE : 45227-7MSD SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

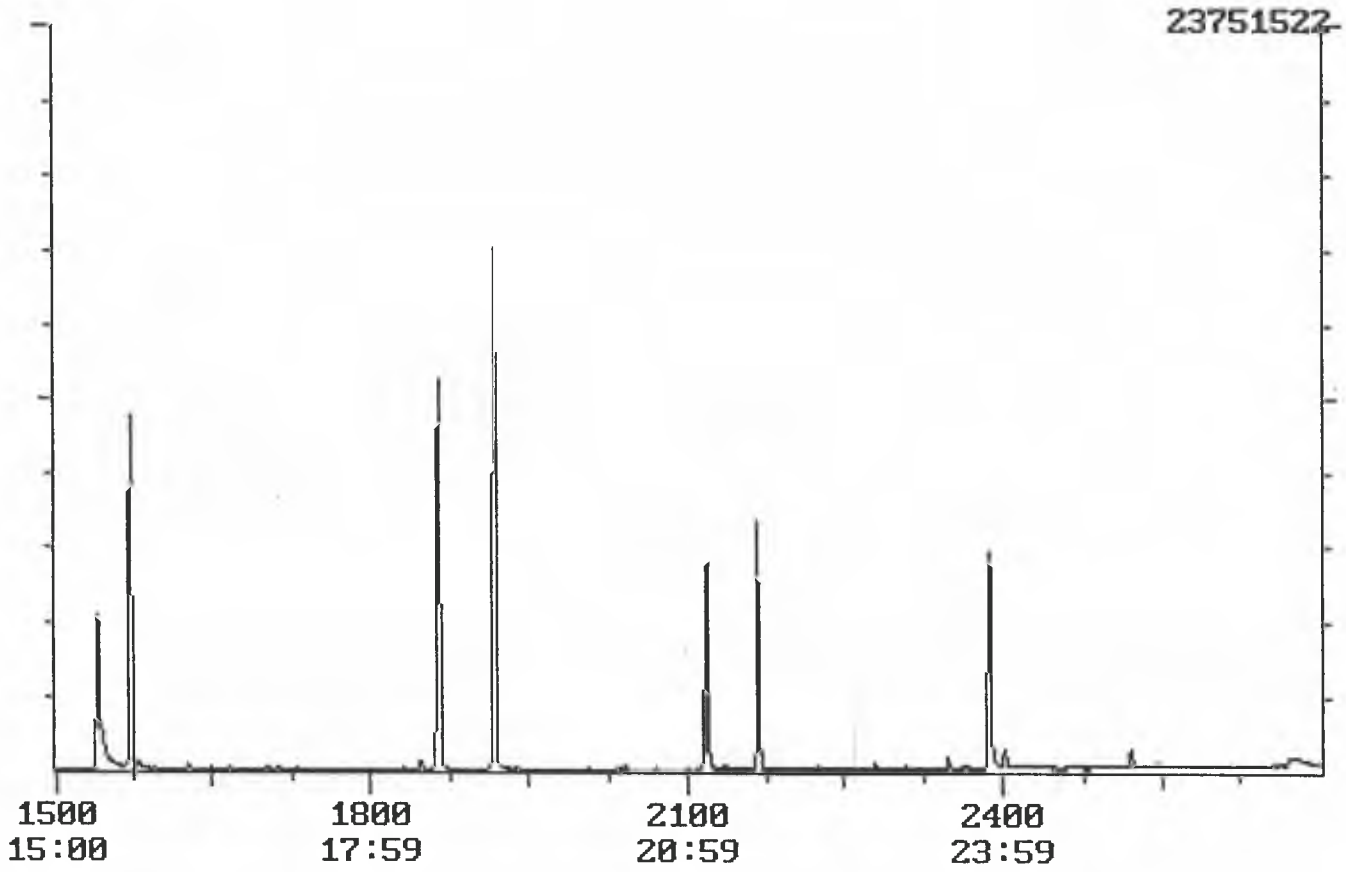
ANALYSIS DATE : 12/28/94 15:46



SAMPLE CHROMATOGRAM

DATAFILE : P10838
SAMPLE : 45227-7MSD SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/28/94 15:46



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SAMPLE QUANTITATION REPORT

DATAFILE : P10838
SAMPLE : 45227-7MSD SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/28/94 15:46

Compound name	RT	Concentration		Area	CCSTD Area / RT
d4-1,4-diClbenzene (IS)	6.50	4.000	NG/UL	5010816	4744450 6.50
d8-naphthalene (IS)	9.07	4.000	NG/UL	15208435	14826666 9.08
d8-acenaphthene (IS)	12.68	4.000	NG/UL	9484692	9568973 12.69
d10-phenanthrene (IS)	15.72	4.000	NG/UL	12257586	12664283 15.73
d12-chrysene (IS)	21.18	4.000	NG/UL	7948189	7967837 21.19
d12-perylene (IS)	23.88	4.000	NG/UL	8181966	8675564 23.90
d5-nitrobenzene (SS)	7.66	7.153	NG/UL	5028232	
2-fluorobiphenyl (SS)	11.42	10.615	NG/UL	22772677	
d14-terphenyl (SS)	19.18	10.618	NG/UL	15986178	
d5-phenol (SS)	6.06	10.578	NG/UL	9821488	
2-fluorophenol (SS)	4.19	11.072	NG/UL	8495820	
2,4,6-tribromophenol (S	14.33	11.607	NG/UL	3800224	
*^ phenol	6.09	7.761	NG/UL	10915378	
bis-(2-chloroethyl)eth	6.11	~~4.106~~	NG/UL No Hit	8295422	
^ 2-chlorophenol	6.11	8.103	NG/UL	11617798	
1,3-dichlorobenzene			ND		
^ 1,4-dichlorobenzene	6.54	8.841	NG/UL	14748073	
benzyl alcohol			ND		
1,2-dichlorobenzene			ND		
2-methylphenol			ND		
bis-(2-chloroisopropyl)eth			ND		
4-methylphenol			ND		
**^ n-nitroso-di-n-propyla	7.49	8.780	NG/UL	4915199	
hexachloroethane			ND		
nitrobenzene			ND		
isophorone			ND		
2-nitrophenol			ND		
2,4-dimethylphenol			ND		
benzoic acid			ND		
bis-(2-chloroethoxy)ether			ND		
* 2,4-dichlorophenol			ND		

SAMPLE QUANTITATION REPORT

DATAFILE : P10838
SAMPLE : 45227-7MSD SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/28/94 15:46

Compound name	RT	Concentration		Area	CCSTD Area / RT
^ 1,2,4-trichlorobenzene	9.00	8.741	NG/UL	12322637	
naphthalene			ND		
4-chloroaniline			ND		
* hexachlorobutadiene			ND		
^ 4-chloro-3-methylpheno	10.53	9.301	NG/UL	6645325	
2-methylnaphthalene			ND		
** hexachlorocyclopentadiene			ND		
* 2,4,6-trichlorophenol			ND		
2,4,5-trichlorophenol			ND		
2-chloronaphthalene			ND		
2-nitroaniline			ND		
dimethyl phthalate			ND		
acenaphthylene			ND		
2,6-dinitrotoluene			ND		
3-nitroaniline			ND		
* ^ acenaphthene	12.75	9.816	NG/UL	20454767	
** 2,4-dinitrophenol			ND		
**^ 4-nitrophenol	13.31	9.582	NG/UL	4536699	
dibenzofuran			ND		
^ 2,4-dinitrotoluene	13.24	8.508	NG/UL	8149508	
diethylphthalate			ND		
4-chlorophenyl-phenyl-ethe			ND		
fluorene			ND		
4-nitroaniline			ND		
4,6-dinitro-2-methylphenol			ND		
* n-nitrosodiphenylamine			ND		
4-bromophenyl-phenyl-ether			ND		
hexachlorobenzene			ND		
*^ pentachlorophenol	15.41	15.871	NG/UL	5214569	
phenanthrene			ND		
anthracene			ND		

SAMPLE QUANTITATION REPORT

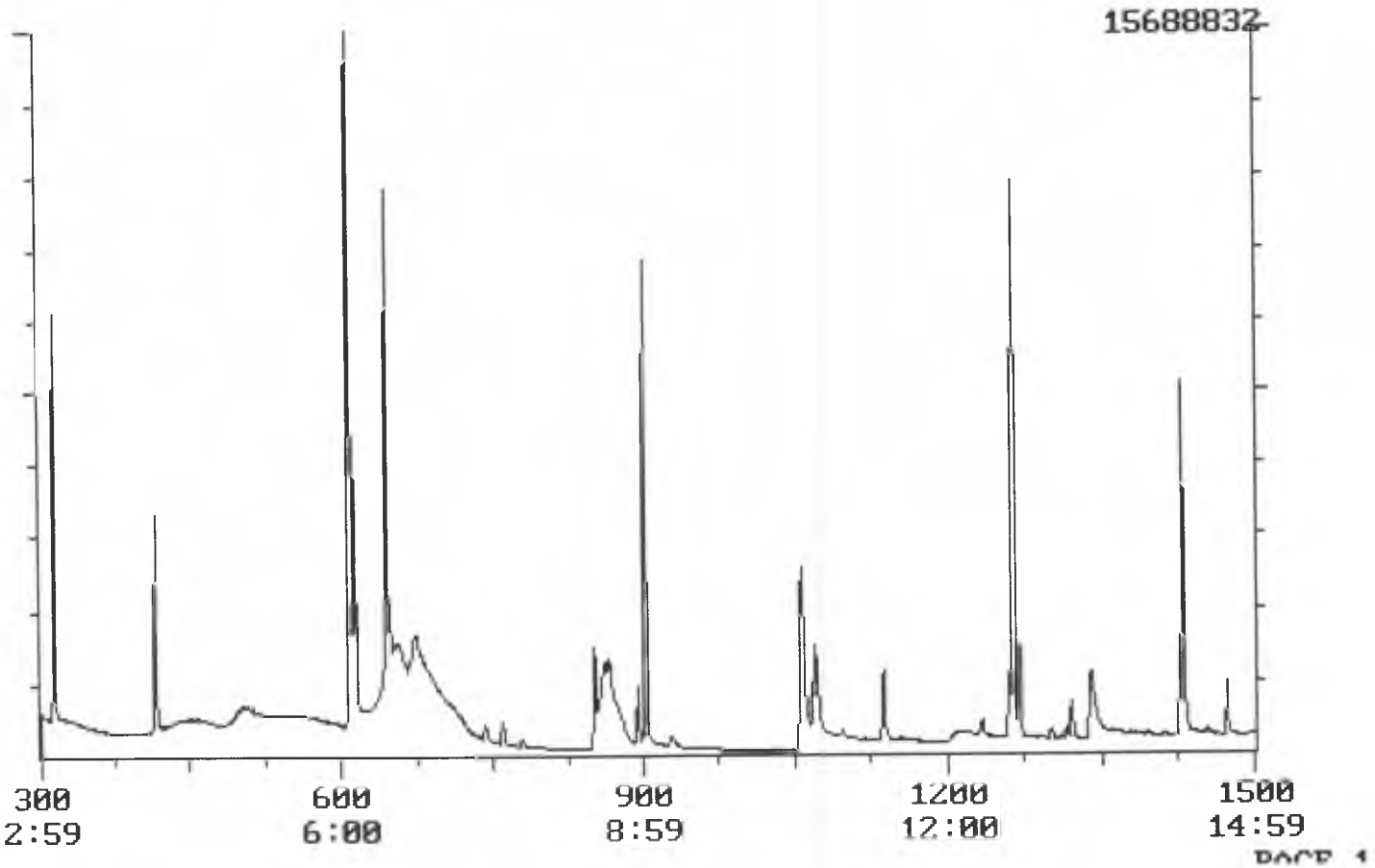
DATAFILE : P10838
SAMPLE : 45227-7MSD SV185
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

ANALYSIS DATE : 12/28/94 15:46

	Compound name	RT	Concentration		Area	CCSTD Area / RT
	di-n-butylphthalate			ND		
*	fluoranthene			ND		
^	pyrene	18.65	9.297	NG/UL	17254979	
	butylbenzylphthalate			ND		
	3,3'-dichlorobenzidine			ND		
	benzo(a)anthracene			ND		
	chrysene			ND		
	bis-(2-ethylhexyl)phth	21.67	2.430	NG/UL	7456777	
*	di-n-octylphthalate			ND		
	benzo(b)fluoranthene			ND		
	benzo(k)fluoranthene			ND		
*	benzo(a)pyrene			ND		
	indeno(1,2,3-cd)pyrene			ND		
	dibenzo(a,h)anthracene			ND		
	benzo(g,h,i)perylene			ND		

SAMPLE CHROMATOGRAM

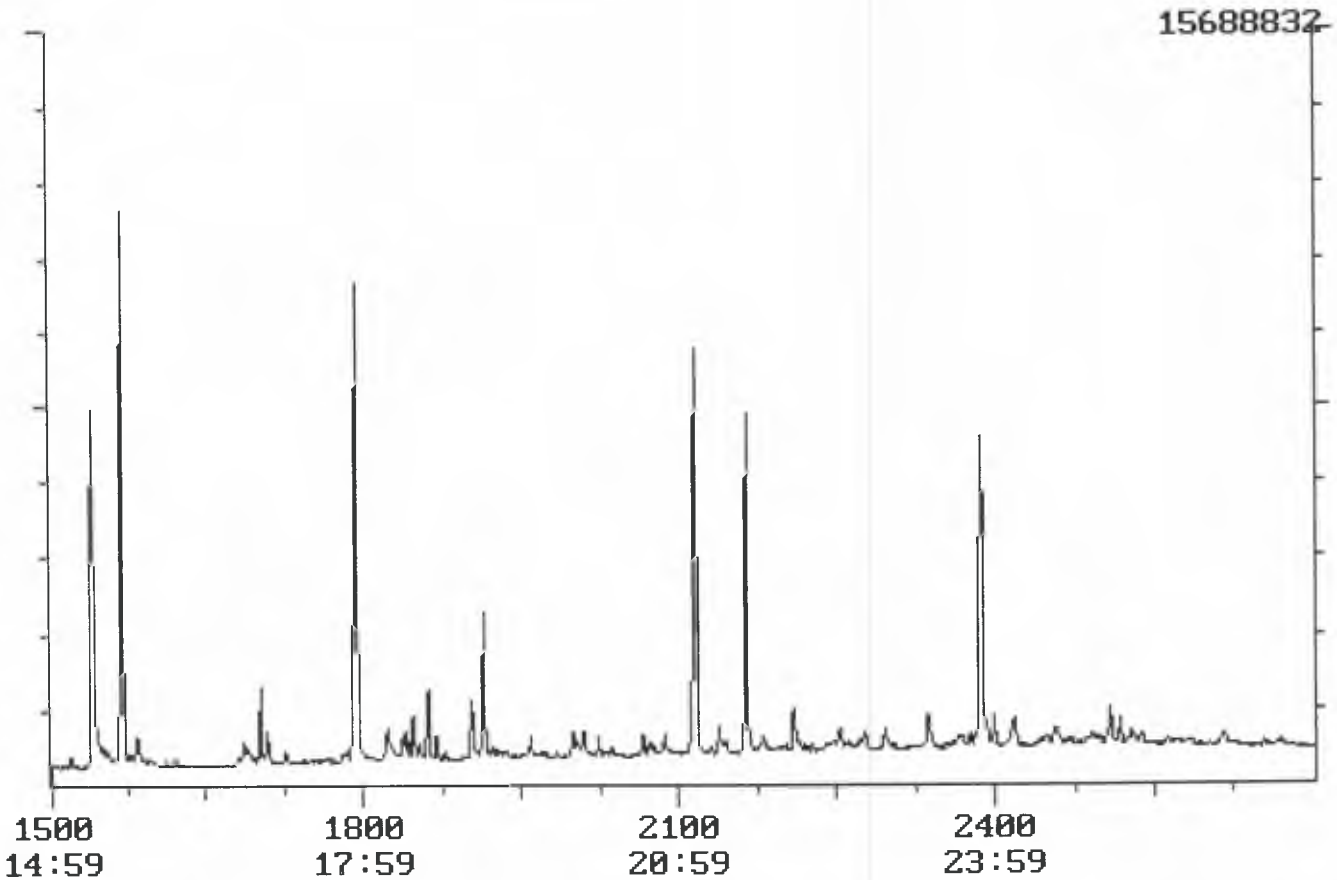
DATAFILE : P10976 ANALYSIS DATE : 01/12/95 15:52
SAMPLE : 45227-7MS CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



PAGE 1

SAMPLE CHROMATOGRAM

DATAFILE : P10976 ANALYSIS DATE : 01/12/95 15:52
SAMPLE : 45227-7MS CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



PAGE 2

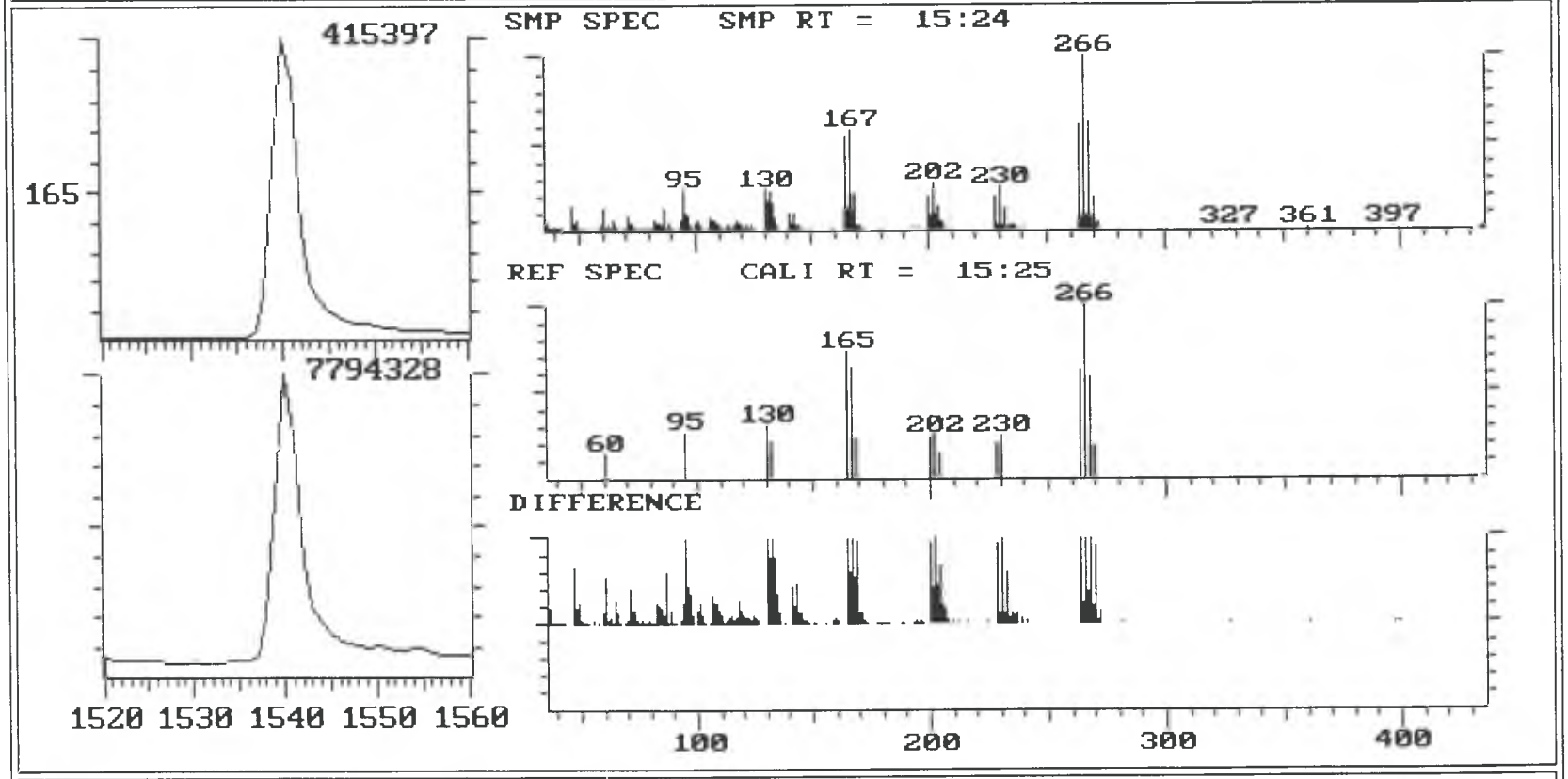
SAMPLE QUANTITATION REPORT

DATAFILE : P10976 ANALYSIS DATE : 01/12/95 15:52
SAMPLE : 45227-7MS CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration		Area	CCSTD Area	/ RT
d4-1,4-diClbenzene (IS)	6.45	4.000	NG/UL	5024744	4595924	6.46
d8-naphthalene (IS)	9.02	4.000	NG/UL	13425293	14821906	9.03
d8-acenaphthene (IS)	12.65	4.000	NG/UL	9169026	9809542	12.66
d10-phenanthrene (IS)	15.69	4.000	NG/UL	13616164	13888904	15.71
d12-chrysene (IS)	21.16	4.000	NG/UL	9218145	9629078	21.18
d12-perylene (IS)	23.88	4.000	NG/UL	6970591	10426872	23.90
d5-nitrobenzene (SS)	7.60	0.595	NG/UL	326563		
2-fluorobiphenyl (SS)	11.38	0.705	NG/UL	1566324		
d14-terphenyl (SS)	19.14	1.400	NG/UL	2185713		
d5-phenol (SS)	6.08	4.278	NG/UL	4300332		
2-fluorophenol (SS)	4.16	3.794	NG/UL	2741349		
2,4,6-tribromophenol (S	14.30	8.980	NG/UL	3154836		
*^ pentachlorophenol	15.40	10.641	NG/UL	6331099		

SAMPLE QUANTITATION REPORT

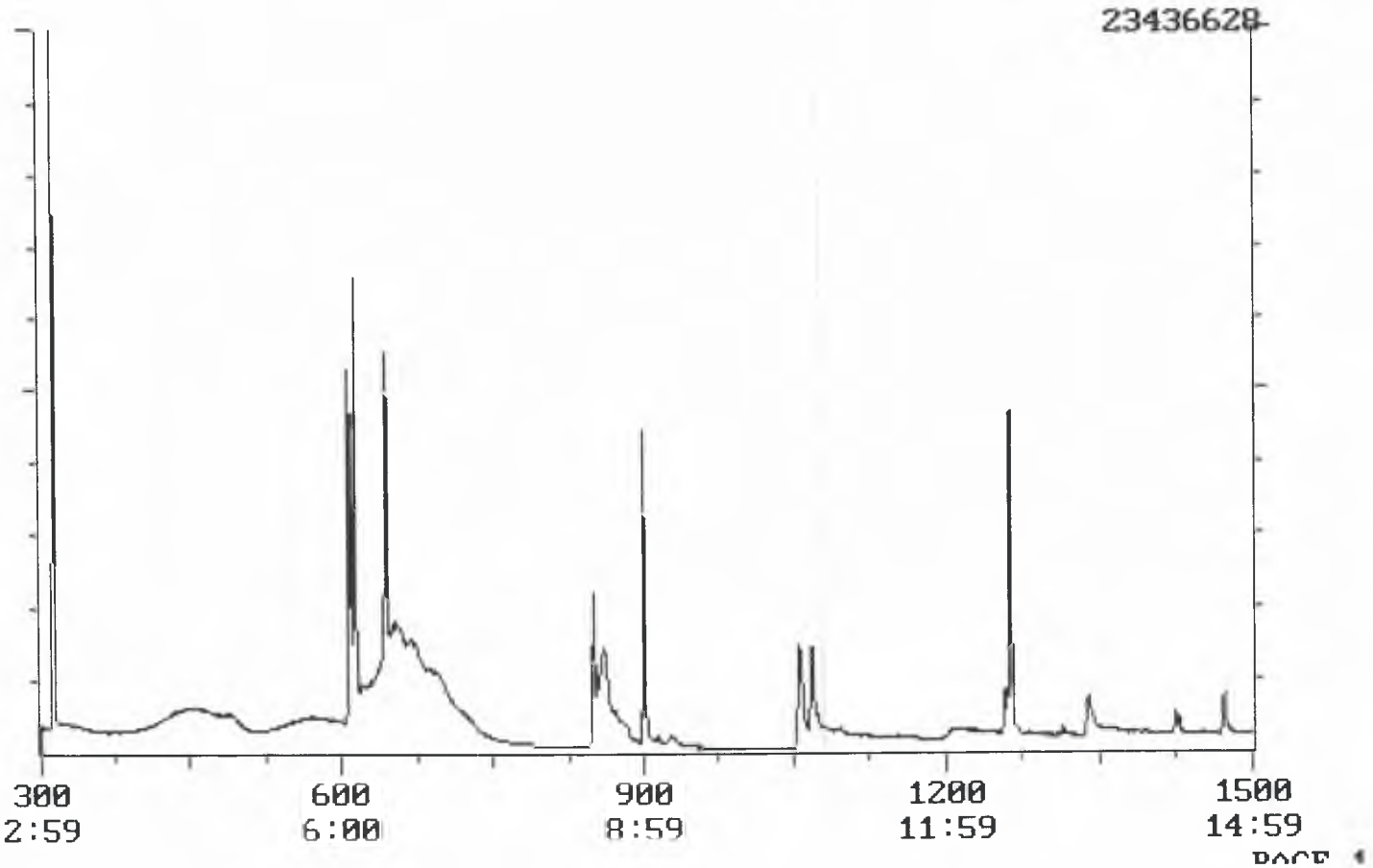
DATAFILE : P10976 ANALYSIS DATE : 01/12/95 15:52
SAMPLE : 45227-7MS CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



COMPOUND : *^ pentachlorophenol
AMOUNT : 10.641 NG/UL
FIT S/N : 977

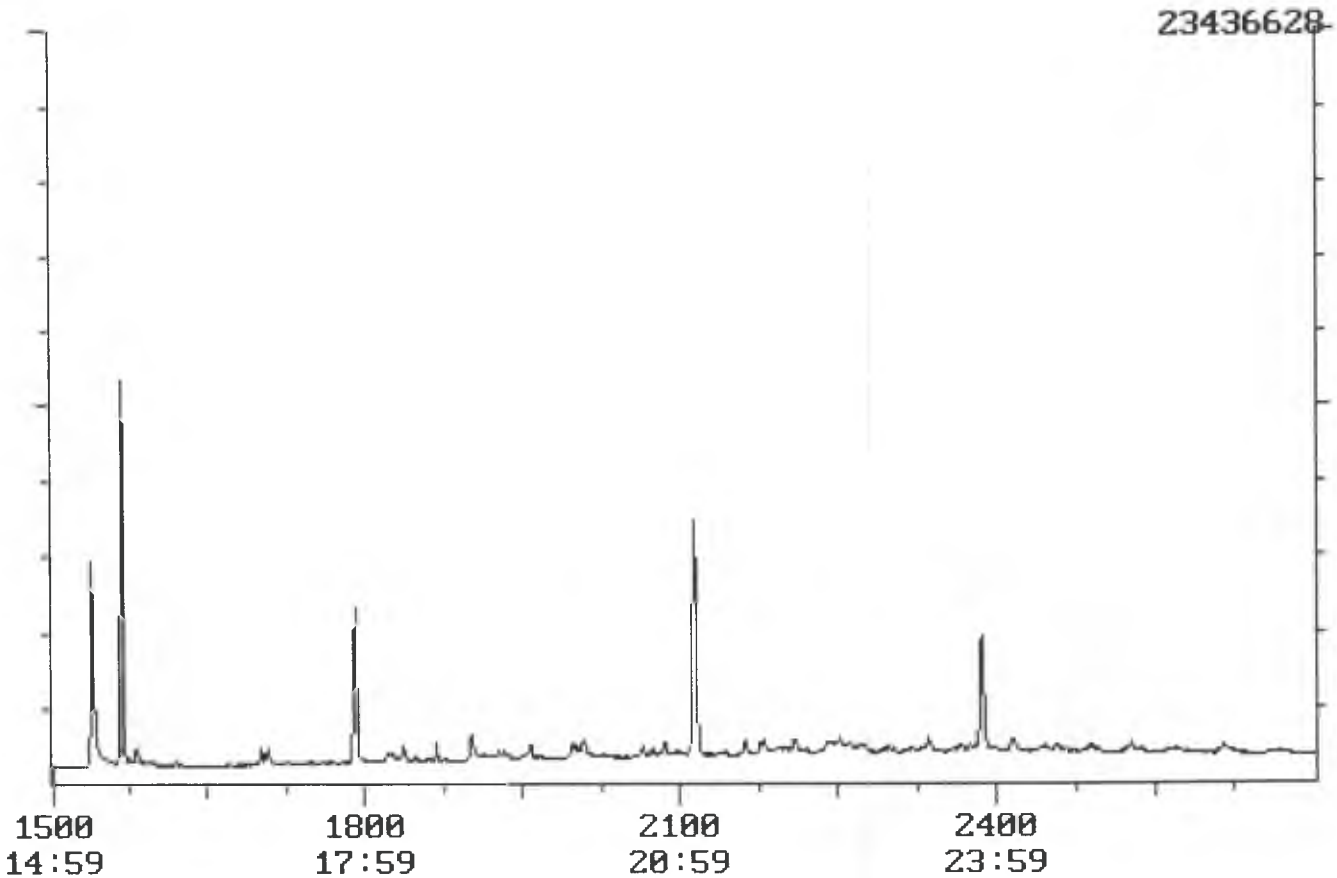
SAMPLE CHROMATOGRAM

DATAFILE : P10977 ANALYSIS DATE : 01/12/95 16:29
SAMPLE : 45227-7MSD CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



SAMPLE CHROMATOGRAM

DATAFILE : P10977 ANALYSIS DATE : 01/12/95 16:29
SAMPLE : 45227-7MSD CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



PAGE 2

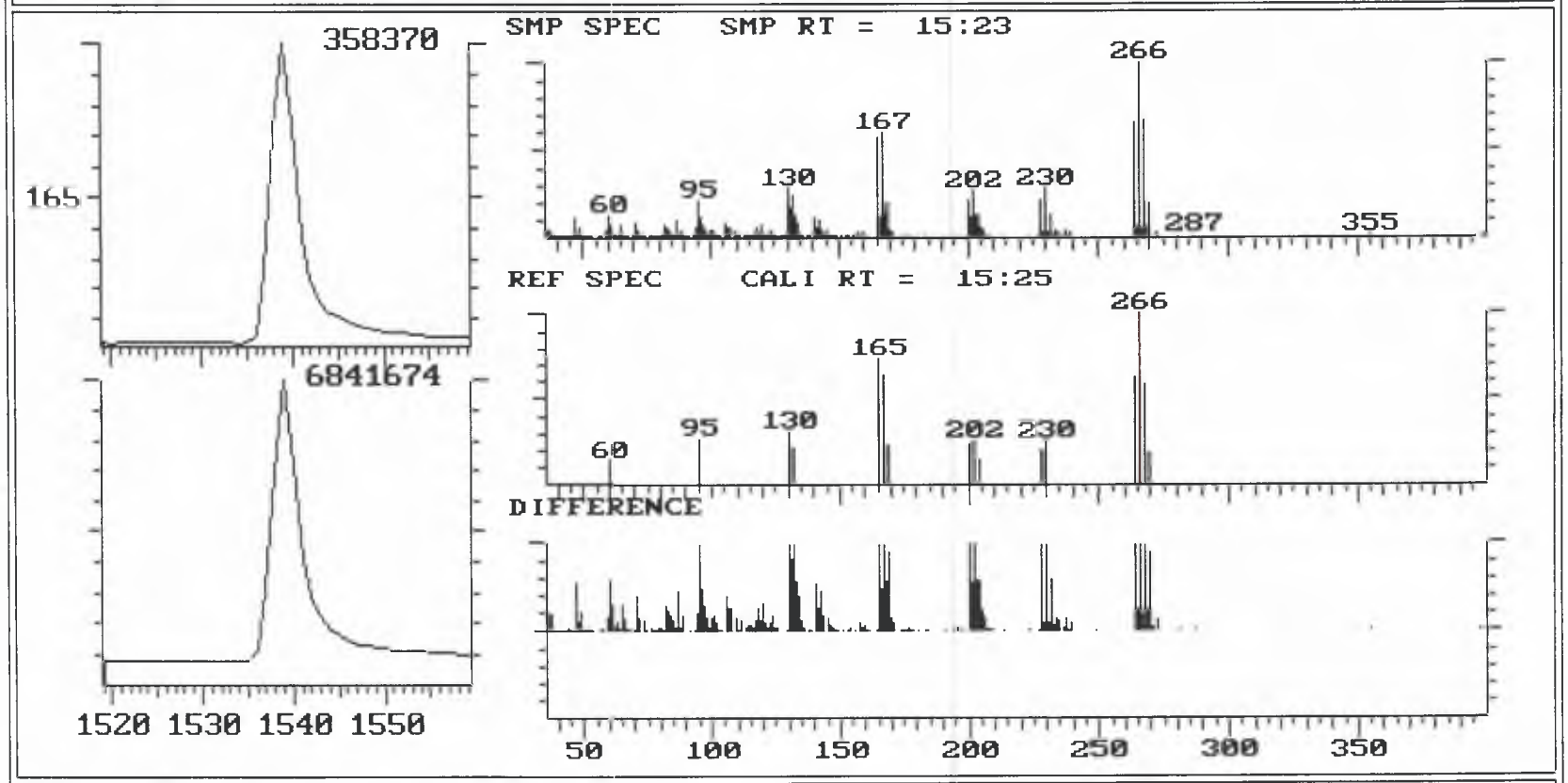
SAMPLE QUANTITATION REPORT

DATAFILE : P10977 ANALYSIS DATE : 01/12/95 16:29
SAMPLE : 45227-7MSD CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270

Compound name	RT	Concentration			Area	CCSTD Area / RT
d4-1,4-diClbenzene (IS)	6.44	4.000	NG/UL		4445662	4595924 6.46
d8-naphthalene (IS)	9.01	4.000	NG/UL		13075485	14821906 9.03
d8-acenaphthene (IS)	12.63	4.000	NG/UL		7008959	9809542 12.66
d10-phenanthrene (IS)	15.68	4.000	NG/UL		12918624	13888904 15.71
d12-chrysene (IS)	21.15	4.000	NG/UL		8430011	9629078 21.18
d12-perylene (IS)	23.86	4.000	NG/UL		2805540	10426872 23.90
d5-nitrobenzene (SS)				ND		
2-fluorobiphenyl (SS)				ND		
d14-terphenyl (SS)	21.13	0.922	NG/UL		1315881	
d5-phenol (SS)	6.44	5.428	NG/UL		4827877	
2-fluorophenol (SS)	6.44	7.063	NG/UL		4514994	
2,4,6-tribromophenol (S	15.67	10.728	NG/UL		2881115	
*^ pentachlorophenol	15.39	10.159	NG/UL		5734644	

SAMPLE QUANTITATION REPORT

DATAFILE : P10977 ANALYSIS DATE : 01/12/95 16:29
SAMPLE : 45227-7MSD CAUSTIC CLEAN UP SV185C
LABORATORY : Sound Analytical Services
OPERATOR : Brent Hepner
INSTRUMENT : ITS40
ANALYSIS : Method 8270



COMPOUND : *^ pentachlorophenol
AMOUNT : 10.159 NG/UL
FIT S/N : 979

PERCENT SOLIDS DATA

DRY WEIGHT LOG

ANALYST SR

DATE 12-19-94

Sample No.	45227-7	Sample No.	227-8	Sample No.		Sample No.		Sample No.	
Samp + tin	12.8022	Samp + tin	6.6001	Samp + tin		Samp + tin		Samp + tin	
Final Wt	8.9196	Final Wt	4.4189	Final Wt		Final Wt		Final Wt	
Samp Wt	12.1535	Samp Wt	5.9477	Samp Wt		Samp Wt		Samp Wt	
% Solids	68.05	% Solids	63.32	% Solids		% Solids		% Solids	
Sample No.		Sample No.		Sample No.		Sample No.		Sample No.	
Samp + tin		Samp + tin		Samp + tin		Samp + tin		Samp + tin	
Final Wt		Final Wt		Final Wt		Final Wt		Final Wt	
Samp Wt		Samp Wt		Samp Wt		Samp Wt		Samp Wt	
% Solids		% Solids		% Solids		% Solids		% Solids	
Sample No.		Sample No.		Sample No.		Sample No.		Sample No.	
Samp + tin		Samp + tin		Samp + tin		Samp + tin		Samp + tin	
Final Wt		Final Wt		Final Wt		Final Wt		Final Wt	
Samp Wt		Samp Wt		Samp Wt		Samp Wt		Samp Wt	
% Solids		% Solids		% Solids		% Solids		% Solids	
Sample No.		Sample No.		Sample No.		Sample No.		Sample No.	
Samp + tin		Samp + tin		Samp + tin		Samp + tin		Samp + tin	
Final Wt		Final Wt		Final Wt		Final Wt		Final Wt	
Samp Wt		Samp Wt		Samp Wt		Samp Wt		Samp Wt	
% Solids		% Solids		% Solids		% Solids		% Solids	
Sample No.		Sample No.		Sample No.		Sample No.		Sample No.	
Samp + tin		Samp + tin		Samp + tin		Samp + tin		Samp + tin	
Final Wt		Final Wt		Final Wt		Final Wt		Final Wt	
Samp Wt		Samp Wt		Samp Wt		Samp Wt		Samp Wt	
% Solids		% Solids		% Solids		% Solids		% Solids	

CALCULATION: $\% \text{ Solids} = \left(\frac{[(\text{Samp + tin}) - (\text{Final Wt})] \times 100}{\text{Sample Wt}} \right) - 100$

Time In: 1210

Time Out: _____

Laboratory No. 45227

261

f:\users\wwforms\drywt.doc

LABORATORY WORKSHEETS

DATE DUE 12-30. 8270 20TH See Lila if you have any questions 19/5

5-W

Semivolatile GCMS Worksheet

Ext Dy 12/20

CLIENT Ecology & Environment LAB SAMPLE No. 45227-1

CLIENT I.D. No. T4120210 S.R. INIT. DN

DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME _____ g / mL

DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____

MATRIX _____ SURR. ADDED (50) _____ uL FINAL VOLUME _____ mL

DATE EXTRACTED _____ EXTRACTED BY _____

GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED (10)(20) _____ uL FILENAME _____

ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Comments:

DELIVERABLES Tier IV

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

Pentachlorophenol & PCP (using cleanup step to achieve close to 0.56 ppb.) Ion trap GC/MS.

[redacted]

DATA REVIEWED BY : _____ DATE: _____

DATE DUE 12-30.

Semivolatile GCMS Worksheet

CLIENT Ecology & Environment LAB SAMPLE No. 45227-2
CLIENT I.D. No. T4120211 S.R. INIT. DN
DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME _____ g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED (50) uL FINAL VOLUME _____ mL
DATE EXTRACTED _____ EXTRACTED BY _____
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED (10)(20) uL FILENAME _____
ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Comments:

DELIVERABLES Tier IV

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

Pentachlorophenol & PCP (using cleanup step to achieve close to 0.56 ppb.) Ion trap GC/MS.

[redacted]

DATA REVIEWED BY : _____ DATE: _____

DATE DUE 12-30.

Semivolatile GCMS Worksheet

CLIENT Ecology & Environment LAB SAMPLE No. 45227-3
CLIENT I.D. No. T4120212 S.R. INIT. DN
DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME _____ g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED (50) uL FINAL VOLUME _____ mL
DATE EXTRACTED _____ EXTRACTED BY _____
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED (10)(20) uL FILENAME _____
ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Comments:

DELIVERABLES Tier IV

[redacted]

FULL 625

[redacted]

[redacted]

[redacted]

[redacted]

3270 TCLP

[redacted]

[redacted]

[redacted]

Pentachlorophenol ~~&~~ PCP (using cleanup step to achieve close to 0.56 ppb.) Ion trap GC/MS.

[redacted]

DATA REVIEWED BY : _____ DATE: _____

DATE DUE 12-30.

Semivolatile GCMS Worksheet

CLIENT Ecology & Environment LAB SAMPLE No. 45227-4
CLIENT I.D. No. T4120221 S.R. INIT. DN
DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME _____ g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED (50) uL FINAL VOLUME _____ mL
DATE EXTRACTED _____ EXTRACTED BY _____
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED (10)(20) uL FILENAME _____
ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Comments:

DELIVERABLES Tier IV

[redacted]

[redacted]

[redacted]

[redacted] Phenols

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted] Pentachlorophenol

Pentachlorophenol & PCP (using cleanup step to achieve close to 0.56 ppb.) Ion trap GC/MS.

[redacted]

DATA REVIEWED BY : _____ DATE: _____

DATE DUE 12-30.

Semivolatile GCMS Worksheet

CLIENT Ecology & Environment LAB SAMPLE No. 45227-6
CLIENT I.D. No. T4120219 S.R. INIT. DN
DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME _____ g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED (50) uL FINAL VOLUME _____ mL
DATE EXTRACTED _____ EXTRACTED BY _____
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED (10)(20) uL FILENAME _____
ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Comments:

DELIVERABLES Tier IV

~~Full 8270~~

~~Full 625~~

~~8270 PAH~~

~~8270 Phenols~~

~~[illegible]~~

~~Semivolatile F-list~~

~~8270 TCLP~~

~~Skinner List~~

~~Texaco Skinner List~~

~~8270 PAH + Pentachlorophenol~~

Pentachlorophenol & PCP (using cleanup step to achieve close to 0.56 ppb.)

~~Naphthalene + 1-Methylnaphthalene~~

Ion trap GC/MS.

DATA REVIEWED BY : _____ DATE: _____

DATE DUE 12-30. Sed. 19/5

Soil

Semivolatile GCMS Worksheet

CLIENT Ecology & Environment LAB SAMPLE No. 45227-7

CLIENT I.D. No. T4120201 S.R. INIT. DN

DATE SAMPLED 12-12-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME ~~30.2194~~ JD 12-29 15.1196 -7: ~~15.1196~~ BH - TMS: ~~5.0299~~ BH 15.0299 -TMSD: ~~5.4502~~ BH 15.4502 g / mL

DATE WEIGHED 12-22 WEIGHED BY Don % SOLIDS _____

MATRIX _____ SURR. ADDED (50) uL FINAL VOLUME _____ mL

DATE EXTRACTED _____ EXTRACTED BY _____

GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED (10)(20) uL FILENAME _____

ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Comments: DELIVERABLES Tier IV

Full 8270 BNA using Ion Trap GC-MS

~~Full 625~~ ~~PCP (using cleanup step to achieve close to 0.56 ppb)~~

~~8270 PAH~~

[redacted]

[redacted]

~~Semivolatile T List~~

~~8270 TCLP~~

~~Skinner List~~

~~Texaco Skinner List~~

8~~270 PAH + Pentachlorophenol~~

~~Pentachlorophenol~~

~~Naphthalene + 1-Methylnaphthalene~~

Any questions see lila.

DATA REVIEWED BY : Brent Clear DATE: 1/10/95

DATE DUE 12-30

Semivolatile GCMS Worksheet

CLIENT Ecology & Environment LAB SAMPLE No. 45227-8
CLIENT I.D. No. T4120207 S.R. INIT. DN
DATE SAMPLED 12-12-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME ~~30 +645~~ 12-28 5.1333 g / mL
DATE WEIGHED 12-22 WEIGHED BY DON % SOLIDS _____
MATRIX _____ SURR. ADDED (50) uL FINAL VOLUME _____ mL
DATE EXTRACTED _____ EXTRACTED BY _____
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED (10)(20) uL FILENAME _____
ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Comments: DELIVERABLES

Full 8270 BNA using Ion Trap GC-MS

~~Full 625~~ ~~PCP (using cleanup step to achieve close to 0.56 ppb)~~

~~8270 PAH~~

~~8270 Phenols~~

~~Benzo(a)pyrene~~

~~Semivolatile T-List~~

~~8270 TCLP~~

~~Skinner List~~

~~Texaco Skinner List~~

~~8270 PAH + Pentachlorophenol~~

~~Pentachlorophenol~~

~~Naphthalene + 1-Methylnaphthalene~~

DATA REVIEWED BY : _____ DATE: _____

DATE DUE 12-30

50 ul 1/2 SYR + SPIKE

Water KD ~~10~~ 5 ml

19/5 Ext by 12/20

Semivolatile GCMS Worksheet

CLIENT Ecology & Environment LAB SAMPLE No. 45227-1

CLIENT I.D. No. T4120210 S.R. INIT. DN

DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME _____ g / mL

DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____

MATRIX _____ SURR. ADDED (50) uL FINAL VOLUME _____ mL

DATE EXTRACTED _____ EXTRACTED BY _____

GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED (10)(20) uL FILENAME _____

ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Comments: DELIVERABLES Tier IV

Full 8270 BNA using Ion Trap GC-MS

~~Full 620~~ ~~PCP (using cleanup step to achieve close to 0.56 ppb)~~

~~8270-PAH~~

~~8270-Phenols~~

Any questions see Lila

~~Benzo(a)pyrene~~

~~Semivolatile T-list~~

~~8270-TCLP~~

~~Skinner List~~

~~Texaco Skinner List~~

~~8270-PAH + Pentachlorophenol~~

~~Pentachlorophenol~~

~~Naphthalene + 1-Methylnaphthalene~~

DATA REVIEWED BY : [signature] DATE: 12/27/94

270

DATE DUE 12-30

Semivolatile GCMS Worksheet

CLIENT Ecology & Environment LAB SAMPLE No. 45227-2
CLIENT I.D. No. T4120211 S.R. INIT. DN
DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME _____ g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED (50) uL FINAL VOLUME _____ mL
DATE EXTRACTED _____ EXTRACTED BY _____
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED (10)(20) uL FILENAME _____
ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Comments: DELIVERABLES

Full 8270 BNA using Ion Trap GC-MS
~~PCP (using cleanup step to achieve close to 0.56 ppb)~~

~~Full 625~~

~~8270 PAH~~

~~8270 Phenols~~

~~Benzo(a)pyrene~~

~~Semivolatile T-list~~

~~8270 TCLP~~

~~Skinner list~~

~~Texaco Skinner list~~

8~~270 PAH + Pentachlorophenol~~

~~Pentachlorophenol~~

~~Naphthalene + 1-Methylnaphthalene~~

DATA REVIEWED BY : _____ DATE: _____

DATE DUE 12-30

Semivolatile GCMS Worksheet

CLIENT Ecology & Environment LAB SAMPLE No. 45227-3
CLIENT I.D. No. T4120212 S.R. INIT. DN
DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME _____ g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED (50) _____ uL FINAL VOLUME _____ mL
DATE EXTRACTED _____ EXTRACTED BY _____
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED (10)(20) _____ uL FILENAME _____
ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Comments: DELIVERABLES

Full 8270 BNA using Ion Trap GC-MS

~~Full 625~~ ~~PCP (using cleanup step to achieve close to 0.56 ppb)~~

~~8270 PAH~~

~~8270 Phenols~~

~~Benzo(a)pyrene~~

~~Semivolatile F-list~~

~~8270 TCLP~~

~~Skinner List~~

~~Texaco Skinner List~~

~~8270 PAH + Pentachlorophenol~~

~~Pentachlorophenol~~

~~Naphthalene + 1-Methylnaphthalene~~

DATA REVIEWED BY : _____ DATE: _____

DATE DUE 12-30

Semivolatile GCMS Worksheet

CLIENT Ecology & Environment LAB SAMPLE No. 45227-4
CLIENT I.D. No. T4120221 S.R. INIT. DN
DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME _____ g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED (50) uL FINAL VOLUME _____ mL
DATE EXTRACTED _____ EXTRACTED BY _____
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED (10)(20) uL FILENAME _____
ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Comments: DELIVERABLES

Full 8270 BNA using Ion Trap GC-MS

~~Full 625~~ ~~PCP (using cleanup step to achieve close to 0.56 ppb)~~

~~8270 PAH~~

~~8270 Phenols~~

~~Benzo(a)pyrene~~

~~Semivolatile F List~~

~~8270 TCLP~~

~~Skinner List~~

~~Texaco Skinner List~~

8~~270 PAH + Pentachlorophenol~~

~~Pentachlorophenol~~

~~Naphthalene + 1-Methylnaphthalene~~

DATA REVIEWED BY : _____ DATE: _____

DATE DUE 12-30

Semivolatile GCMS Worksheet

CLIENT Ecology & Environment LAB SAMPLE No. 45227-6
CLIENT I.D. No. T4120219. S.R. INIT. DN
DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME _____ g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED (50) uL FINAL VOLUME _____ mL
DATE EXTRACTED _____ EXTRACTED BY _____
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED (10)(20) uL FILENAME _____
ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Comments: DELIVERABLES

Full 8270 BNA using Ion Trap GC-MS

~~Full 625~~ ~~PCP (using cleanup step to achieve close to 0.56 ppb)~~

~~8270 PAH~~

~~8270 Phenols~~

~~Benzo(a)pyrene~~

~~Semivolatile T-list~~

~~8270 TCLP~~

~~Skinner List~~

~~Texaco Skinner List~~

8~~270 PAH + Pentachlorophenol~~

~~Pentachlorophenol~~

~~Naphthalene + 1-Methylnaphthalene~~

DATA REVIEWED BY : _____ DATE: _____

8270 Extraction Log

QC Batch I.D.: SV176 Date: 12-20-94 GPC: (Yes / No)

Analyst: Sam/JO Dichloromethane Lot No.: 212 Acetone Lot No.: _____

Base/Neutrals Spike SAS SV Std. No.: 100394-37-1 Amount Used (uL): 50

Acids Spike SAS SV Std. No.: 112894-39-1 Amount Used (uL): 50

Surrogate Spike SAS SV Std. No.: 121494-39-2

Solvent Used: Dichloromethane / Dichloromethane : Acetone

Sample	Sample Size (g / mL)	Matrix	Surrogate Spike (uL)	Final Vol. (mL)	Comments
45227-1	1000	water	50	5	Ecology Env.
-2	1400				
-3	950 ~~1000~~ sam				
-4	920				
MB -	1000				
MBS -5	1150				not Run
MBSD -5	1150				not run
-6	1050				
45229 -1	1070				
-2	1050				
-3	1060				
-4	1060				
-5	1150				
-6	1150				
-7	1150				
MBS -7	1150				
MBSD-7	1010				
-8	1100				
-9	1050				
-10	1090				
-11	1150				
45233-1	880				
-2	890				

8270 Extraction Log

QC Batch I.D.: SU176 Date: 12-20-94 GPC: (Yes / No)

Analyst: Sam/JO Dichloromethane Lot No.: 212 Acetone Lot No.: _____

Base/Neutrals Spike SAS SV Std. No.: 100394-37-1 Amount Used (uL): 50

Acids Spike SAS SV Std. No.: 112894-39-1 Amount Used (uL): 50

Surrogate Spike SAS SV Std. No.: 121494-39-2

Solvent Used: Dichloromethane / Dichloromethane : Acetone

Sample	Sample Size (g / mL)	Matrix	Surrogate Spike (uL)	Final Vol. (mL)	Comments
45227-1	1000	water	50	5	Ecology Env.
-2	1400				
-3	950 ~~1000~~ sam				
-4	920				
MB -	1000				
MBS -5	1150				
MBSD -5	1150				
-6	1050				
45229 -1	1070				
-2	1050				
-3	1060				
-4	1060				
-5	1150				
-6	1150				
-7	1150				
MBS -7	1150				
MBSD-7	1010				
-8	1100				
-9	1050				
-10	1090				
-11	1150				
45233-1	880				
-2	890				

8270 Extraction Log

QC Batch I.D.: 50,905 Date: 12/28/94 GPC: (Yes / No)

Analyst: B. H Dichloromethane Lot No.: 213 Acetone Lot No.: _____

Base/Neutrals Spike SAS SV Std. No.: 100394-37-1 Amount Used (uL): 100

Acids Spike SAS SV Std. No.: 112894-39-1 Amount Used (uL): 100

Surrogate Spike SAS SV Std. No.: 121494-31-2

Solvent Used: Dichloromethane / Dichloromethane : Acetone

Sample	Sample Size (g / mL)	Matrix	Surrogate Spike (uL)	Final Vol. (mL)	Comments
MB	20.0000	SOIL	100	10	
45227-7	15.1196				
45227-7MS	15.0299				SEE TICOTO
45227-MSD	15.4502				
45227-8	15.1333				
45229-12	0.1015	O.L			

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8270 Extraction Log

QC Batch I.D.: 50,65 Date: 12/28/94 GPC: (Yes / No)

Analyst: B. H Dichloromethane Lot No.: 213 Acetone Lot No.: _____

Base/Neutrals Spike SAS SV Std. No.: 100394-37-1 Amount Used (uL): 100

Acids Spike SAS SV Std. No.: 112894-39-1 Amount Used (uL): 100

Surrogate Spike SAS SV Std. No.: 121494-31-2

Solvent Used: Dichloromethane / Dichloromethane : Acetone

Sample	Sample Size (g / mL)	Matrix	Surrogate Spike (uL)	Final Vol. (mL)	Comments
MB	20.0000	S.O.L.	100	10	
45227-7	15.1196				
45227-7MS	15.0299				SEE TICOTU
45227-MSD	15.4502				
45227-8	15.1333				
45229-12	0.1015	O.L			

8270 Extraction Log

QC Batch I.D.: 50,195 Date: 12/28/94 GPC: (Yes / No)

Analyst: B. H Dichloromethane Lot No.: 213 Acetone Lot No.:

Base/Neutrals Spike SAS SV Std. No.: 100394-37-1 Amount Used (uL): 100

Acids Spike SAS SV Std. No.: 112894-39-1 Amount Used (uL): 100

Surrogate Spike SAS SV Std. No.: 121494-31-2

Solvent Used: Dichloromethane / Dichloromethane : Acetone

Sample	Sample Size (g / mL)	Matrix	Surrogate Spike (uL)	Final Vol. (mL)	Comments
MB	20.000a	SOIL	100	10	
45227-7	15.1196				
45227-7ms	15.0299				SEE TICUTO
45227-msp	15.4502				
45227-8	15.1333				
45229-12	0.1015	OIL			

8270 Extraction Log

QC Batch I.D.: 50,95 Date: 12/28/94 GPC: (Yes / No)

Analyst: B. H Dichloromethane Lot No.: 213 Acetone Lot No.:

Base/Neutrals Spike SAS SV Std. No.: 100394-37-1 Amount Used (uL): 100

Acids Spike SAS SV Std. No.: 112894-39-1 Amount Used (uL): 100

Surrogate Spike SAS SV Std. No.: 121494-31-2

Solvent Used: Dichloromethane / Dichloromethane : Acetone

Sample	Sample Size (g / mL)	Matrix	Surrogate Spike (uL)	Final Vol. (mL)	Comments
MB	20.0000	SOIL	100	10	
45227-7	15.1196				
45227-7MS	15.0299				SEE TICOTU
45227-MSD	15.4502				
45227-8	15.1333				
45229-12	0.1015	OIL			

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DATE DUE 12-30. See Lila if you have any questions 19/5

2-SOILS

Semivolatile GCMS Worksheet

CLIENT Ecology & Environment LAB SAMPLE No. 45227-7
CLIENT I.D. No. T4120201 S.R. INIT. DN
DATE SAMPLED 12-12-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME _____ g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED (50) uL FINAL VOLUME _____ mL
DATE EXTRACTED _____ EXTRACTED BY _____
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED (10)(20) uL FILENAME _____
ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Comments:

DELIVERABLES Tier IV

~~Full 8270~~

~~Full 625~~

~~8270 PAH~~

~~8270 Phenols~~

~~Benzo(a)pyrene~~

~~Semivolatile F-List~~

~~8270 TCLP~~

~~Skinner List~~

~~Texaco Skinner List~~

~~8270 PAH + Pentachlorophenol~~

Pentachlorophenol & PCP (using cleanup step to achieve close to 0.56 ppb.)

~~Naphthalene + 1-Methylnaphthalene~~

Ion trap GC/MS.

DATA REVIEWED BY : _____ DATE: _____

DATE DUE 12-30.

Semivolatile GCMS Worksheet

CLIENT Ecology & Environment LAB SAMPLE No. 45227-8
CLIENT I.D. No. T4120207. S.R. INIT. DN
DATE SAMPLED 12-12-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME _____ g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED (50) uL FINAL VOLUME _____ mL
DATE EXTRACTED _____ EXTRACTED BY _____
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED (10)(20) uL FILENAME _____
ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Comments:

DELIVERABLES Tier IV

~~Full 8270~~

~~Full 625~~

~~8270 PAH~~

~~8270 Phenols~~

~~Benzo(a)pyrene~~

~~Semivolatile E-list~~

~~8270 TCLP~~

~~Skinner List~~

~~Texaco Skinner List~~

~~8270 PAH + Pentachlorophenol~~

Pentachlorophenol & PCP (using cleanup step to achieve close to 0.56 ppb.)

~~Naphthalene + 1-Methylnaphthalene~~

Ion trap GC/MS.

DATA REVIEWED BY : _____ DATE: _____

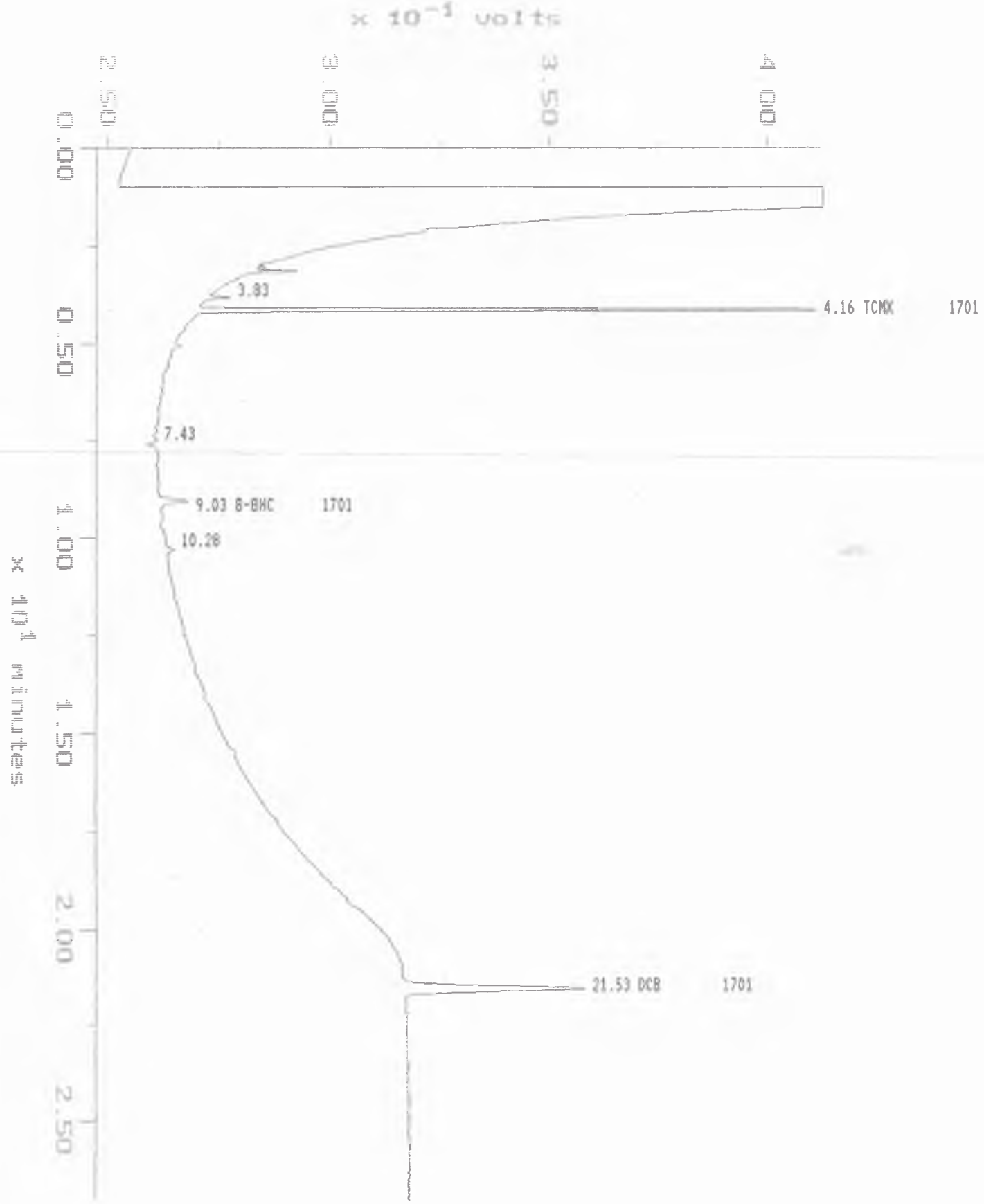
PESTICIDE DATA PACKAGE

SAMPLE DATA

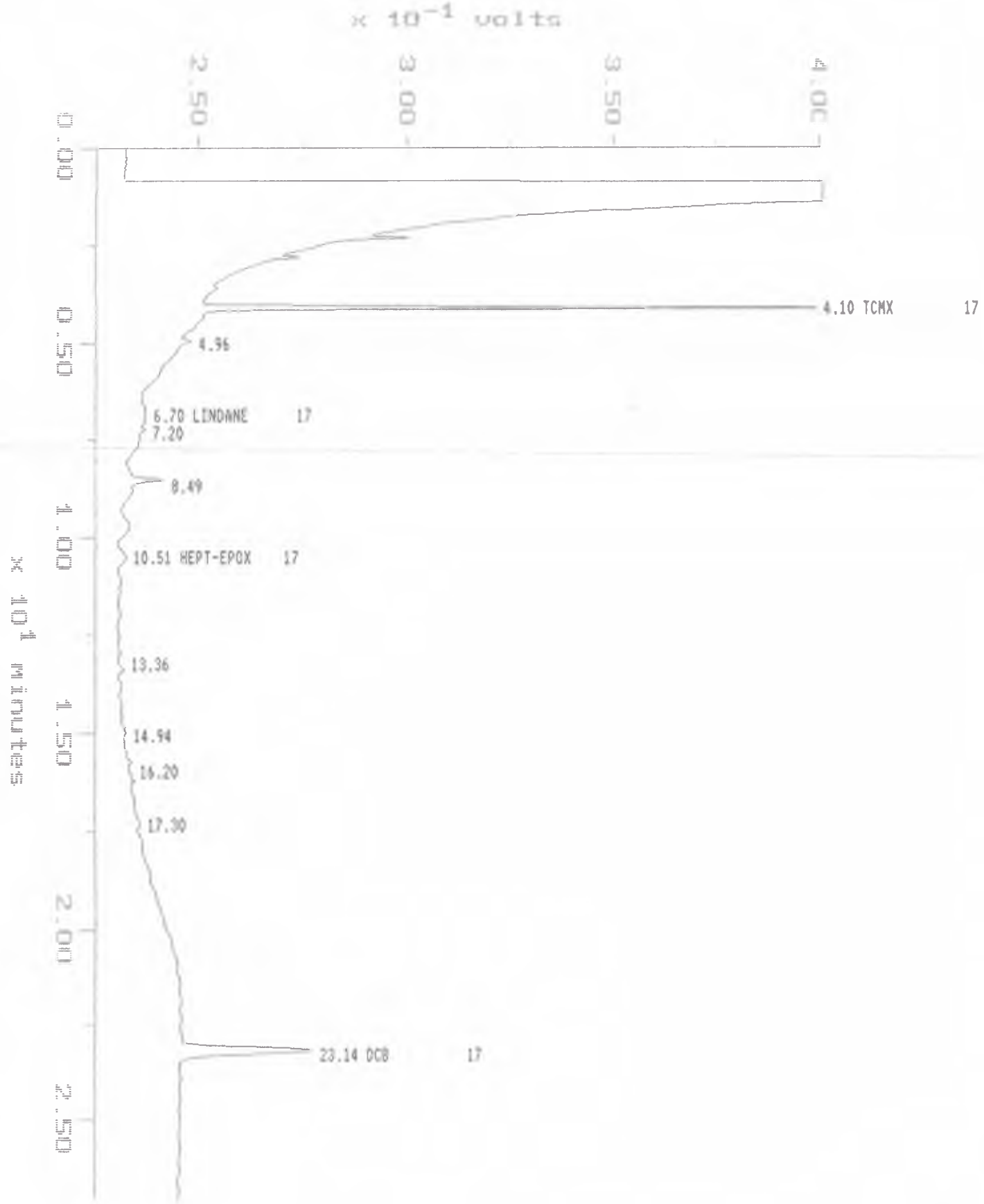
Sample: 45227-1
Acquired: 21-DEC-94 14:34
Dilution: 1 : 10.000

Channel: ECD DB-1701
Method: D:\MAX\DATA1\941221A
Amount: 960.000

Filename: 94122105
Operator: SJL



Sample: 45227-1 Channel: ECD DB-17 Filename: 94122105
Acquired: 21-DEC-94 14:34 Method: D:\MAX\DATA1\941221A Operator: SJL
Dilution: 1 : 10.000 Amount: 960.000



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MAXIMA 820 CUSTOM REPORT

Printed: 22-DEC-1994 14:08:31

SAMPLE: 45227-1
#12 in Method: 8080 PESTICIDES
Acquired: 21-DEC-1994 14:34
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94122105
Index: Disk

Dilution: 10.000
Amount: 960.000

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.922	3.833				19375	1.92		
1.000	4.158	TCMX	1701	2	526066	52.11	13.22	0.14
1.786	7.425				12293	1.22		
2.170	9.025	B-BHC	1701	13	41173	4.08	2.04	0.02
2.473	10.283				17431	1.73		
5.176	21.525	DCB	1701	40	393183	38.95	15.91	0.17
TOTAL					1009521		31.16	0.32

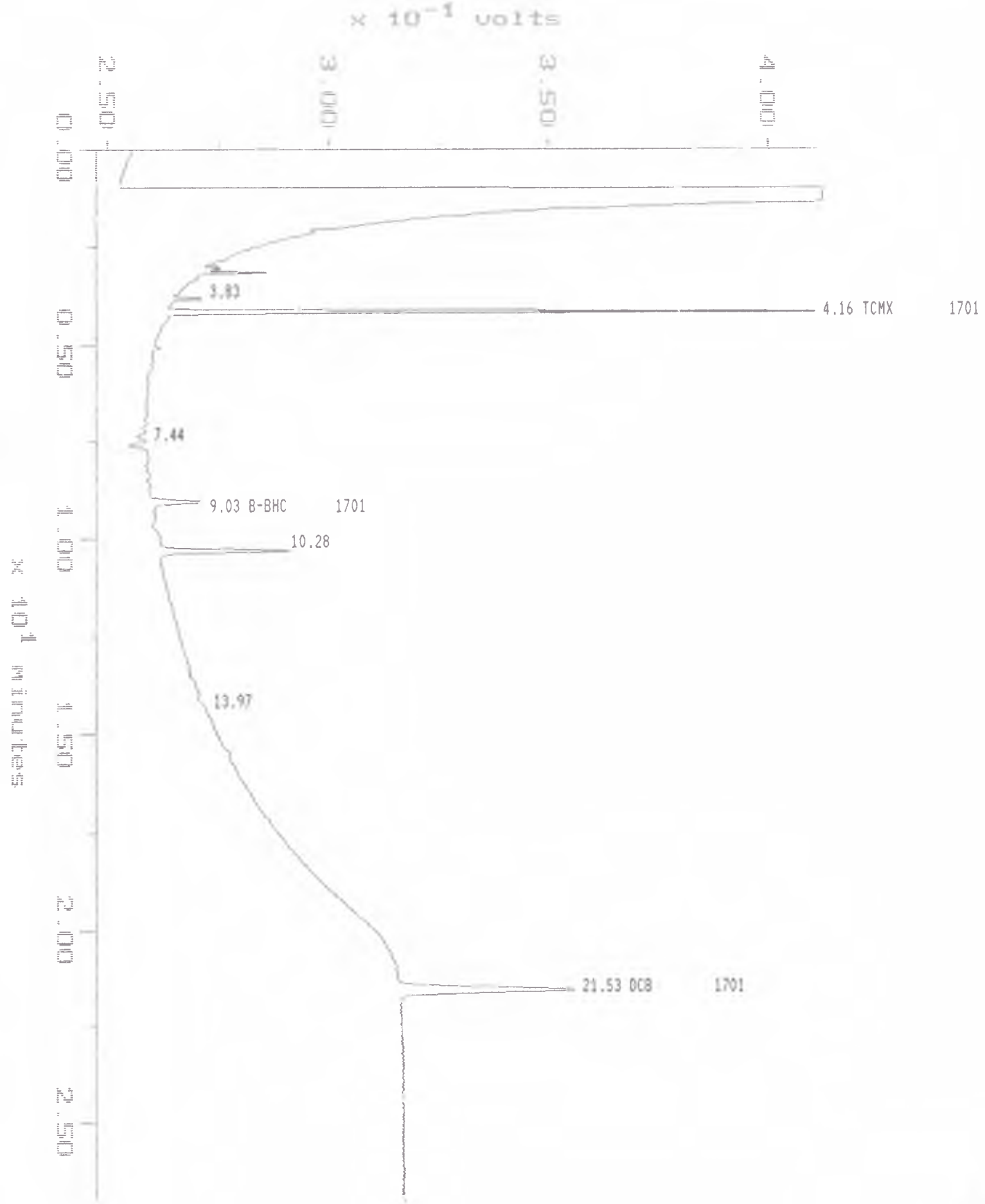
DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.100	TCMX	17	1	650609	47.00	14.49	0.15
1.634	6.700	LINDANE	17	5	31585	2.28	Invalid	Invalid
1.756	7.200				11873	0.86		
2.071	8.492				153025	11.05		
2.563	10.508	HEPT-EPOX	17	15	44218	3.19	Invalid	Invalid
3.258	13.358				27823	2.01		
3.644	14.942				19545	1.41		
3.951	16.200				18879	1.36		
4.220	17.300				16503	1.19		
5.644	23.142	DCB	17	41	410233	29.63	17.59	0.18
TOTAL					1384294		32.08	0.33

Sample: 45227-2
Acquired: 21-DEC-94 15:03
Dilution: 1 : 10.000

Channel: ECD DB-1701
Method: D:\MAX\DATA1\941221A
Amount: 970.000

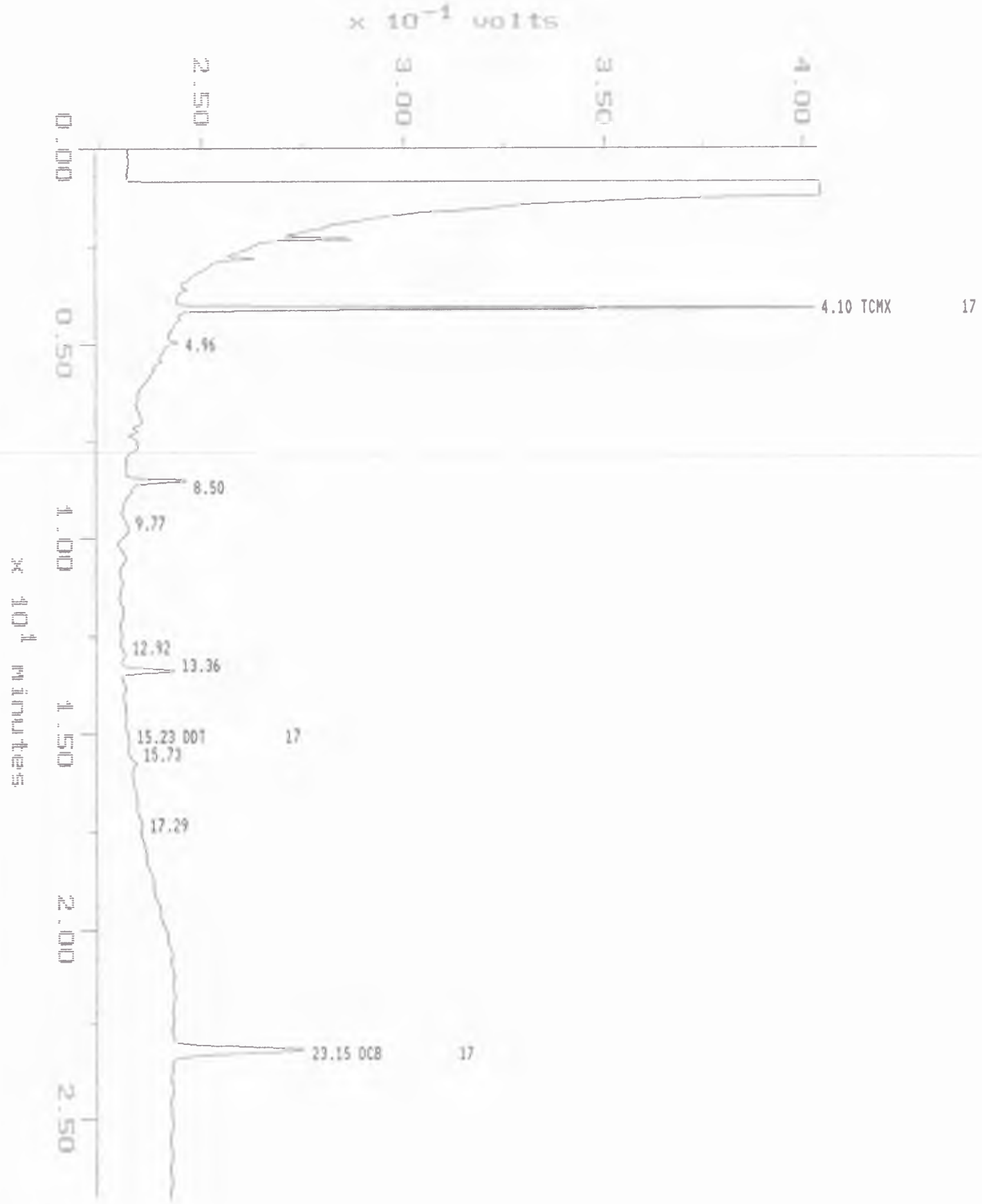
Filename: 94122106
Operator: SJL



Sample: 45227-2
Acquired: 21-DEC-94 15:03
Dilution: 1 : 10.000

Channel: ECD DB-17
Method: D:\MAX\DATA1\941221A
Amount: 970.000

Filename: 94122106
Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 22-DEC-1994 14:08:52

SAMPLE: 45227-2
#13 in Method: 8080 PESTICIDES
Acquired: 21-DEC-1994 15:03
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94122106
Index: Disk

Dilution: 10.000
Amount: 970.000

DETECTOR: ECD DB-1701

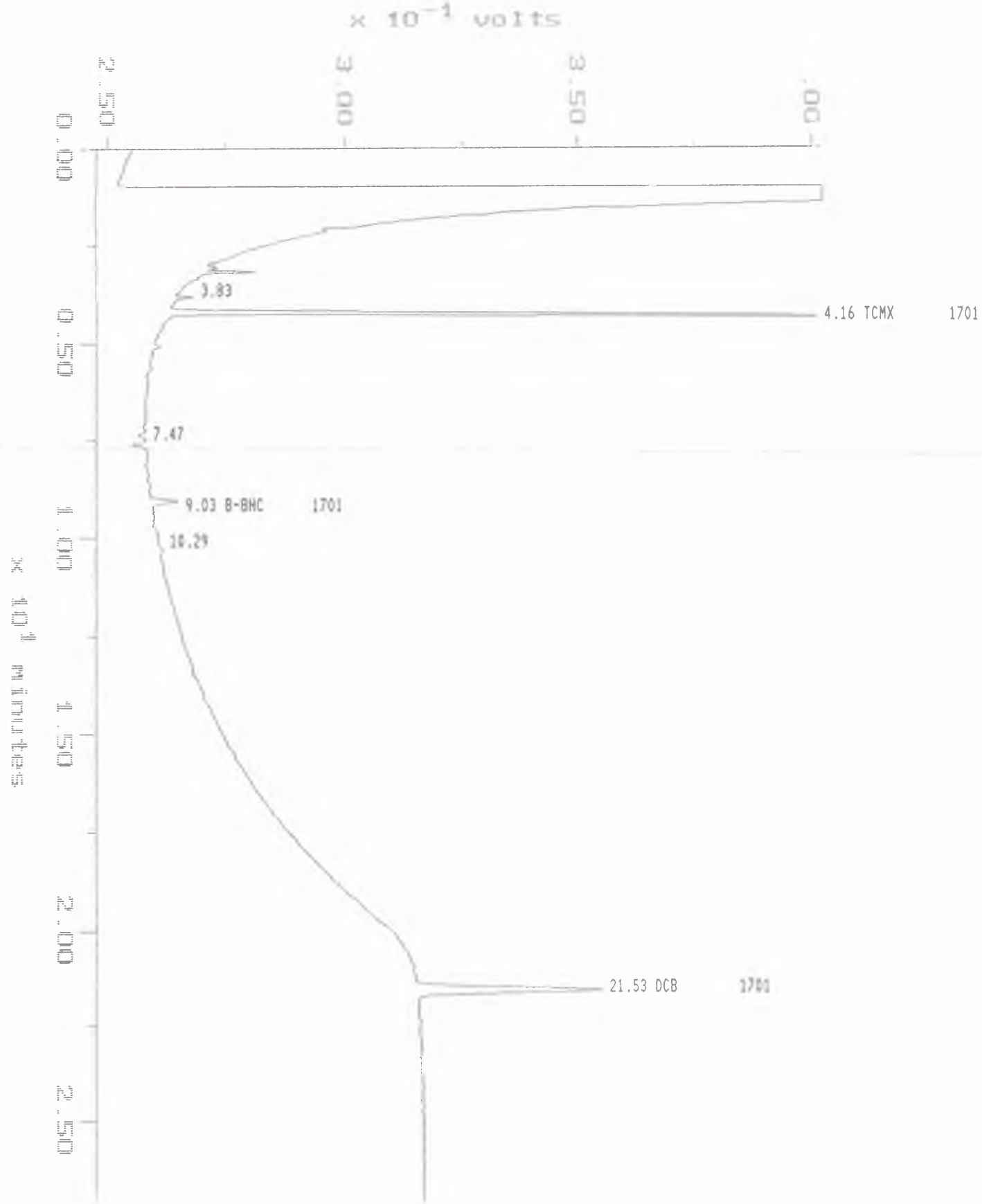
Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.922	3.833				28177	2.12		
1.000	4.158	TCMX	1701	2	558427	42.05	14.00	0.14
1.733	7.208				28714	2.16		
1.790	7.442				28952	2.18		
2.170	9.025	B-BHC	1701	13	78852	5.94	3.73	0.04
2.471	10.275				184788	13.92		
3.359	13.967				34648	2.61		
5.178	21.533	DCB	1701	40	385386	29.02	15.60	0.16
TOTAL					1327943		33.33	0.34

DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.100	TCMX	17	1	692919	47.54	15.49	0.16
2.073	8.500				132648	9.10		
2.382	9.767				53971	3.70		
3.150	12.917				19230	1.32		
3.258	13.358				101046	6.93		
3.713	15.225	DDT	17	32	15180	1.04	0.20!!	0.00!!
3.837	15.733				16075	1.10		
4.217	17.292				11002	0.75		
5.646	23.150	DCB	17	41	415517	28.51	17.82	0.18
TOTAL					1457588		33.51!!	0.35!!

!! Result calculation based on peak response more than 10% outside of calibration range.

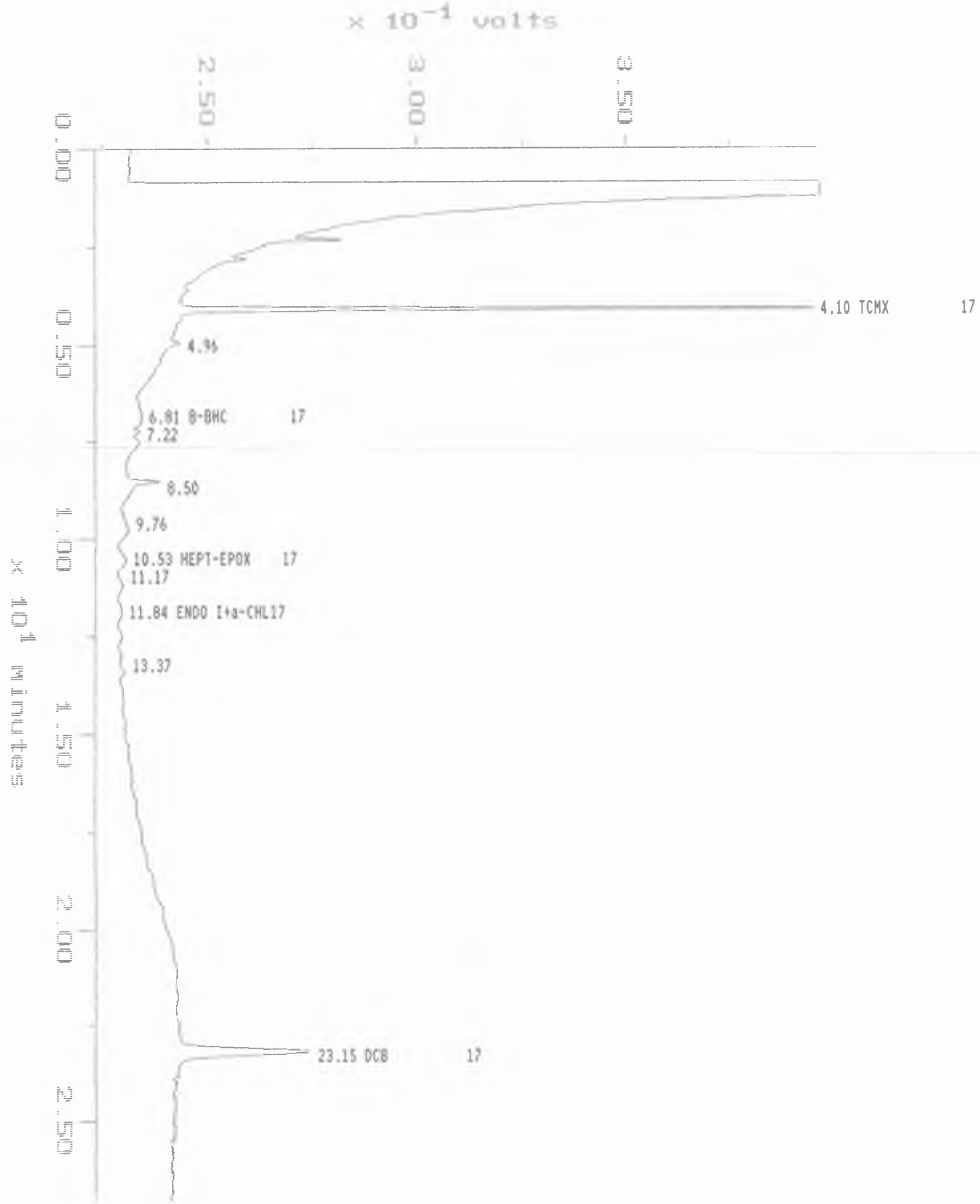
Sample: 45227-3 Channel: ECD DB-1701 Filename: 94122107
Acquired: 21-DEC-94 15:32 Method: D:\MAX\DATA1\941221A Operator: SJL
Dilution: 1 : 10.000 Amount: 960.000



Sample: 45227-3
Acquired: 21-DEC-94 15:32
Dilution: 1 : 10.000

Channel: ECD DB-17
Method: D:\MAX\DATA1\941221A
Amount: 960.000

Filename: 94122107
Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 22-DEC-1994 14:09:12

SAMPLE: 45227-3
#14 in Method: 8080 PESTICIDES
Acquired: 21-DEC-1994 15:32
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94122107
Index: Disk

Dilution: 10.000
Amount: 960.000

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.922	3.833				16496	1.67		
1.000	4.158	TCMX	1701	2	526230	53.11	13.22	0.14
1.796	7.467				17128	1.73		
2.172	9.033	B-BHC	1701	13	37894	3.82	1.89	0.02
2.475	10.292				10470	1.06		
5.178	21.533	DCB	1701	40	382532	38.61	15.48	0.16
TOTAL					990750		30.59	0.32

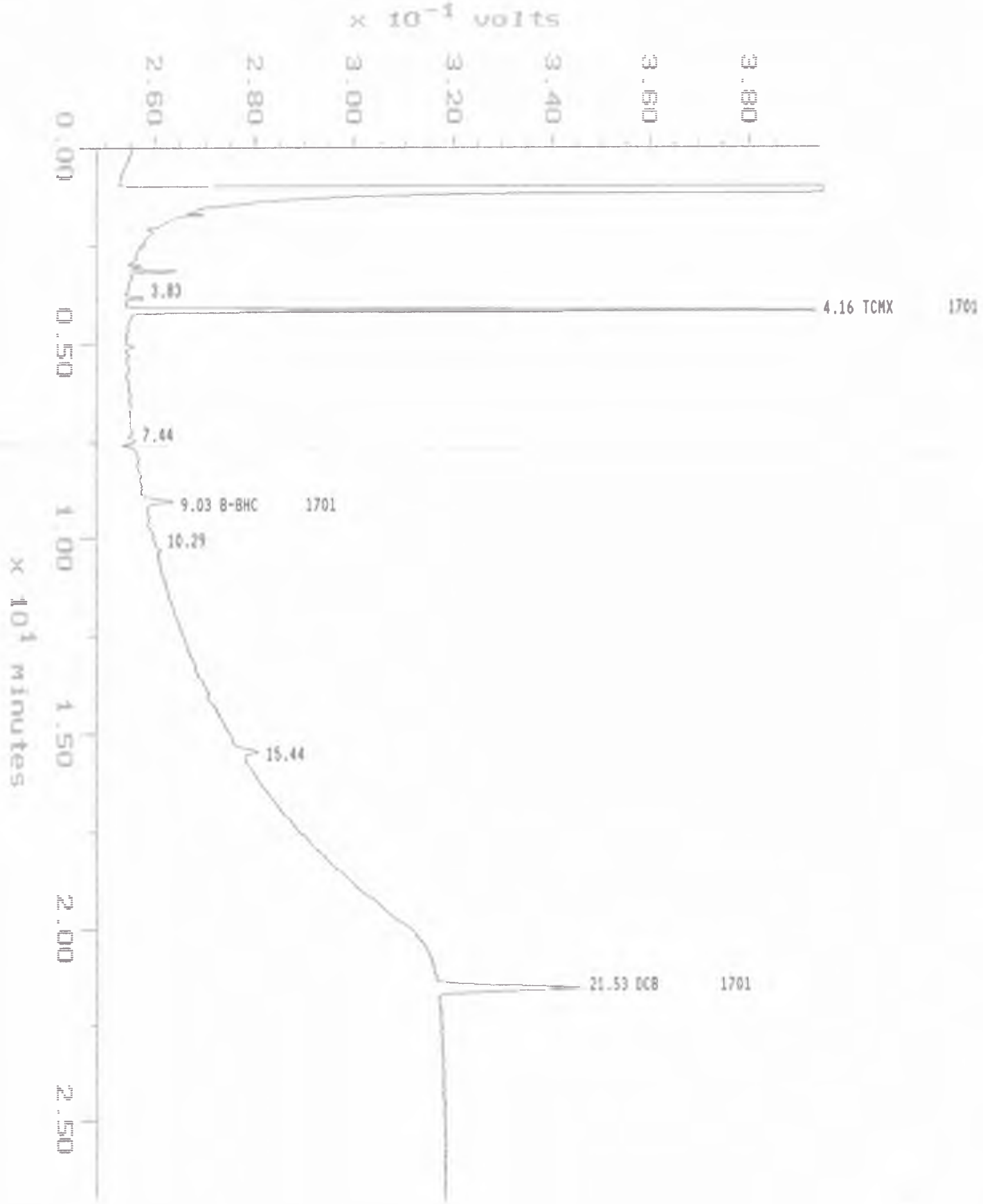
DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.100	TCMX	17	1	663396	45.36	14.79	0.15
1.209	4.958				47596	3.25		
1.661	6.808	B-BHC	17	6	50001	3.42	1.20	0.01
1.760	7.217				13682	0.94		
1.815	7.442				39593	2.71		
2.073	8.500				99703	6.82		
2.380	9.758				49977	3.42		
2.567	10.525	HEPT-EPOX	17	15	41823	2.86	Invalid	Invalid
2.724	11.167				21847	1.49		
2.888	11.842	ENDO I+a-CHL	17	18	18654	1.28	Invalid	Invalid
3.260	13.367				14374	0.98		
5.646	23.150	DCB	17	41	401910	27.48	17.23	0.18
TOTAL					1462555		33.22	0.35

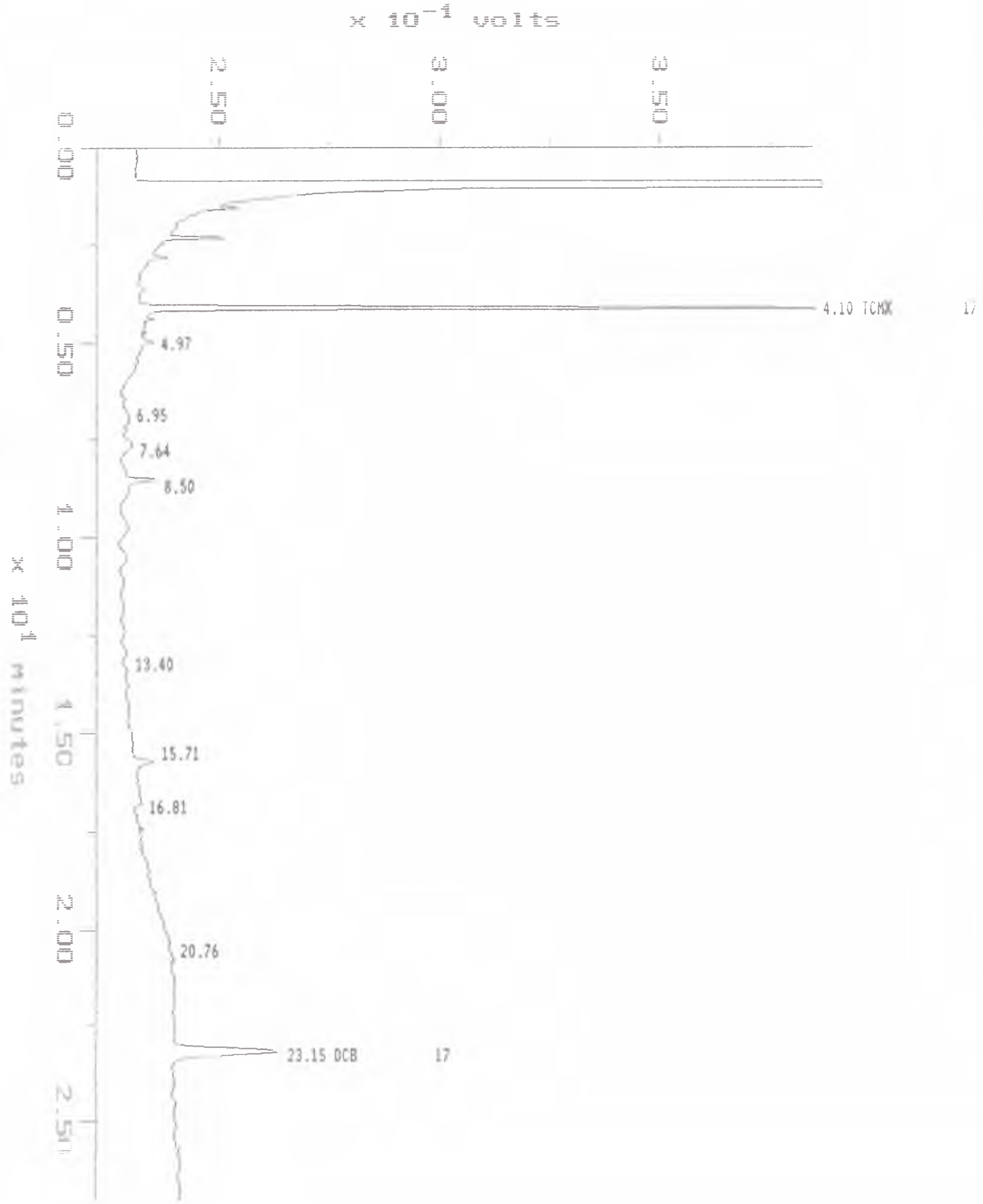
Sample: 45227-4
Acquired: 21-DEC-94 16:01
Dilution: 1 : 10.000

Channel: ECD DB-1701
Method: D:\MAX\DATA1\941221A
Amount: 900.000

Filename: 94122108
Operator: SJL



Sample: 45227-4 Channel: ECD DB-17 Filename: 94122108
Acquired: 21-DEC-94 16:01 Method: D:\MAX\DATA1\941221A Operator: SJL
Dilution: 1 : 10.000 Amount: 900.000



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MAXIMA 820 CUSTOM REPORT

Printed: 22-DEC-1994 14:09:33

SAMPLE: 45227-4
#15 in Method: 8080 PESTICIDES
Acquired: 21-DEC-1994 16:01
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94122108
Index: Disk

Dilution: 10.000
Amount: 900.000

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.922	3.833				12071	1.20		
1.000	4.158	TCMX	1701	2	525109	52.25	13.19	0.15
1.743	7.250				83671	8.33		
1.790	7.442				20477	2.04		
2.170	9.025	B-BHC	1701	13	37830	3.76	1.89	0.02
2.475	10.292				12864	1.28		
3.713	15.442				27850	2.77		
5.178	21.533	DCB	1701	40	285148	28.37	11.59	0.13
TOTAL					1005020		26.67	0.30

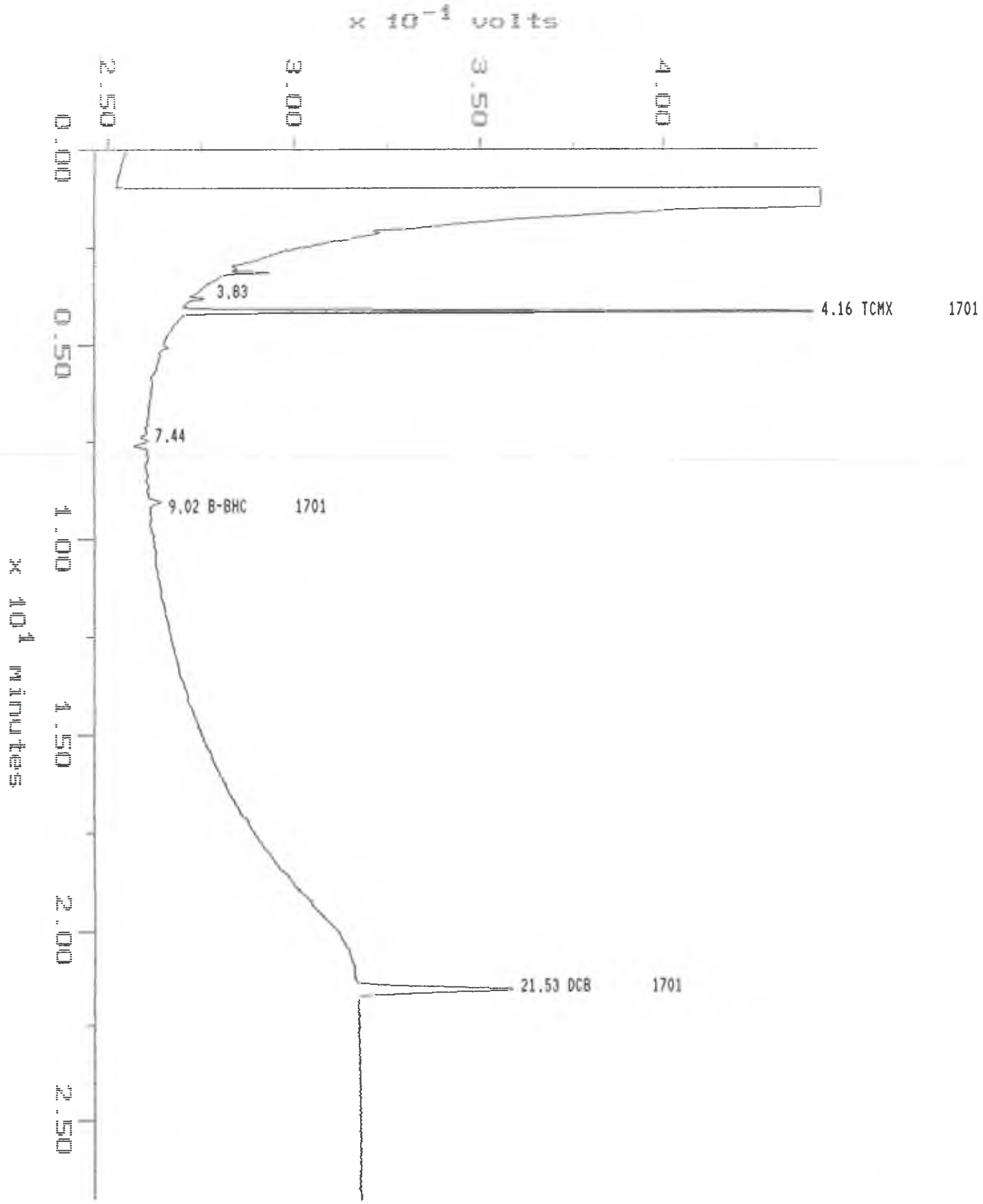
DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.100	TCMX	17	1	677665	57.71	15.13	0.17
1.695	6.950				25007	2.13		
1.864	7.642				49428	4.21		
2.073	8.500				48324	4.12		
3.268	13.400				1802	0.15		
3.831	15.708				36724	3.13		
4.100	16.808				22268	1.90		
5.063	20.758				10572	0.90		
5.646	23.150	DCB	17	41	302373	25.75	12.89	0.14
TOTAL					1174164		28.02	0.31

Sample: 45227-5
Acquired: 21-DEC-94 16:30
Dilution: 1 : 10.000

Channel: ECD DB-1701
Method: D:\MAX\DATA1\941221A
Amount: 620.000

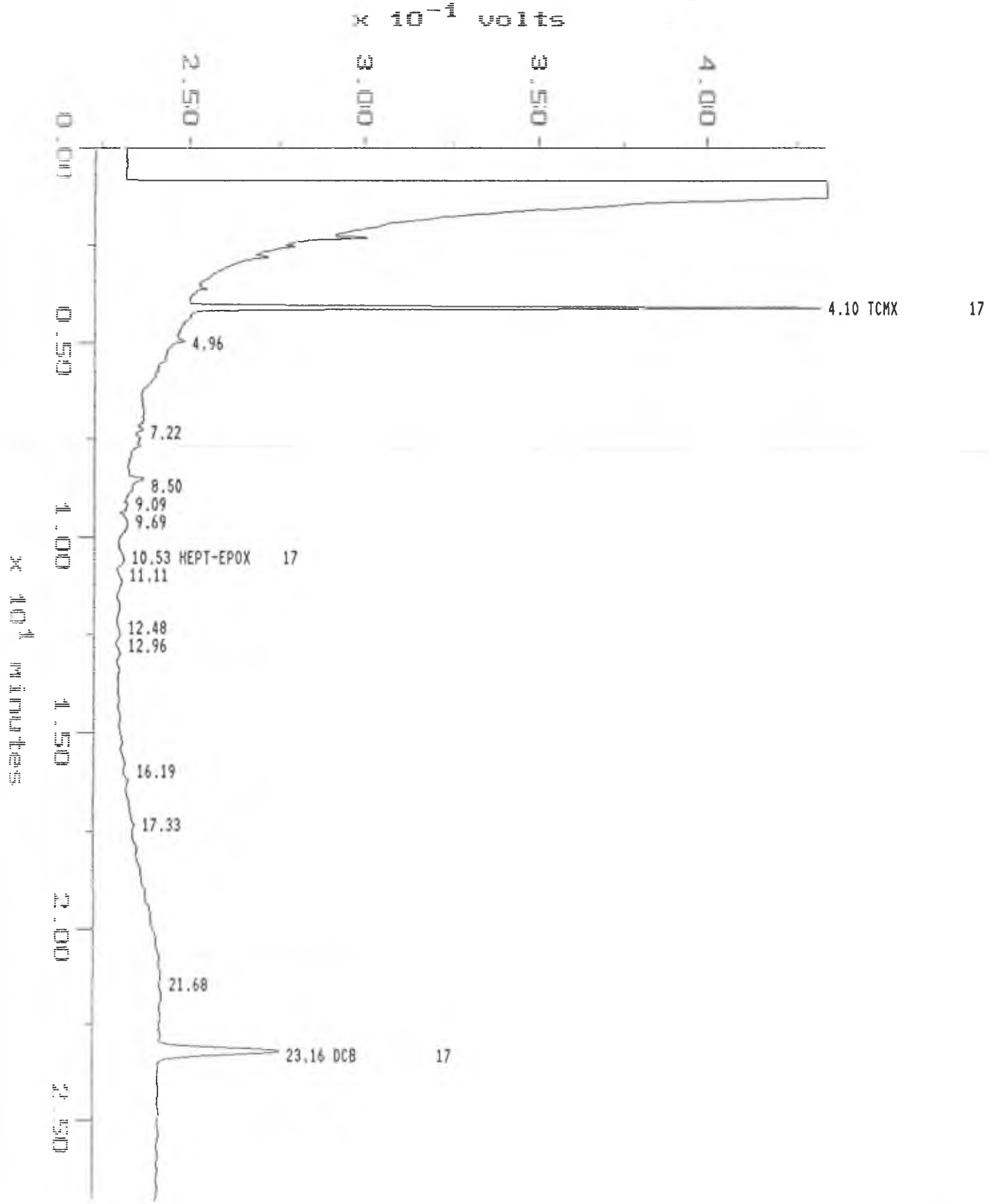
Filename: 94122109
Operator: SJL



Sample: 45227-5
Acquired: 21-DEC-94 16:30
Dilution: 1 : 10.000

Channel: ECD DB-17
Method: D:\MAX\DATA1\941221A
Amount: 620.000

Filename: 94122109
Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 22-DEC-1994 14:09:53

SAMPLE: 45227-5
#16 in Method: 8080 PESTICIDES
Acquired: 21-DEC-1994 16:30
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94122109
Index: Disk

Dilution: 10.000
Amount: 620.000

DETECTOR: ECD DB-1701

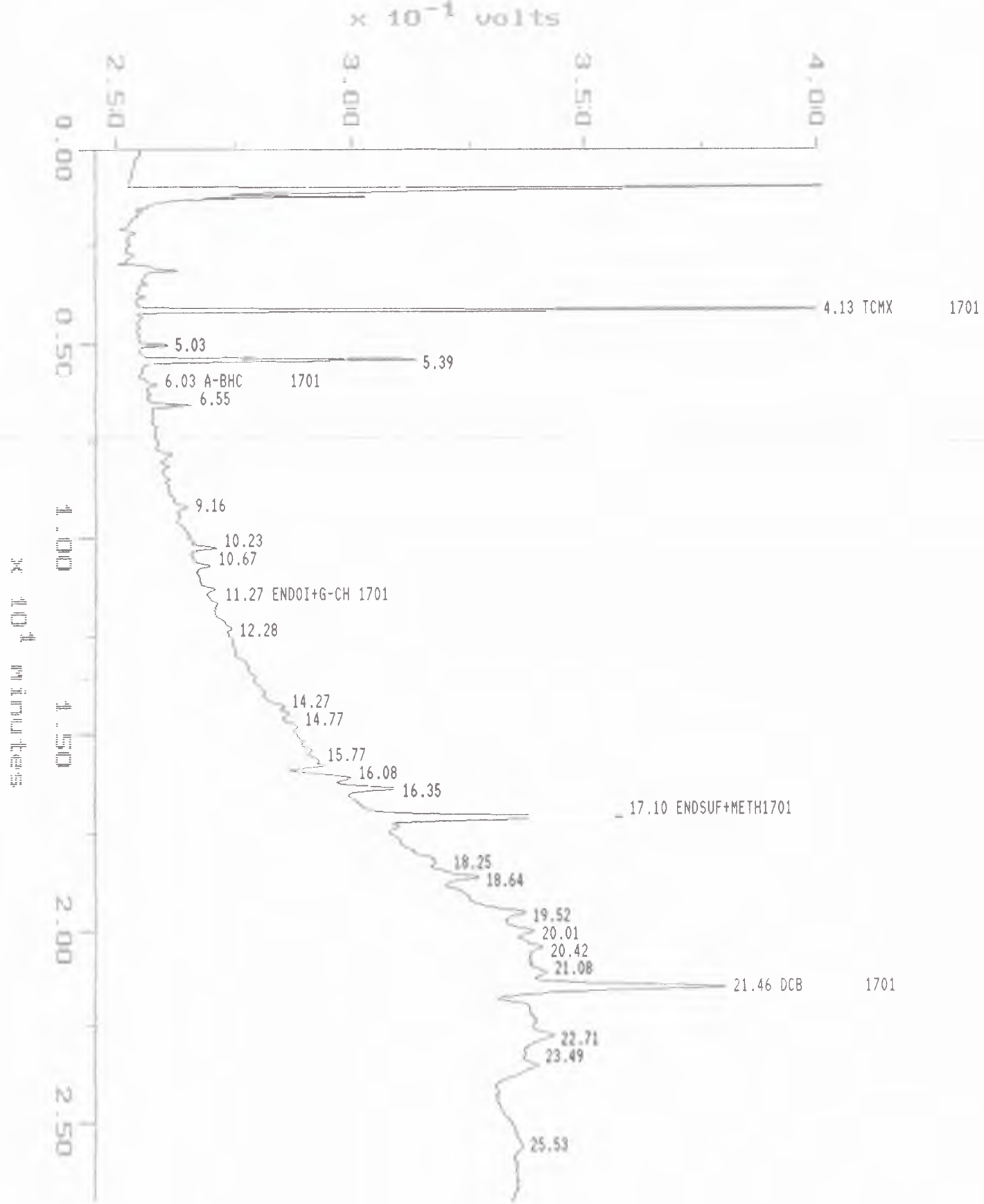
Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.158	TCMX	1701	2	656256	58.98	16.36	0.26
1.790	7.442				19665	1.77		
2.168	9.017	B-BHC	1701	13	19766	1.78	1.07!!	0.02!!
5.178	21.533	DCB	1701	40	416986	37.48	16.86	0.27
TOTAL					1112673		34.29!!	0.55!!

!! Result calculation based on peak response more than 10% outside of calibration range.

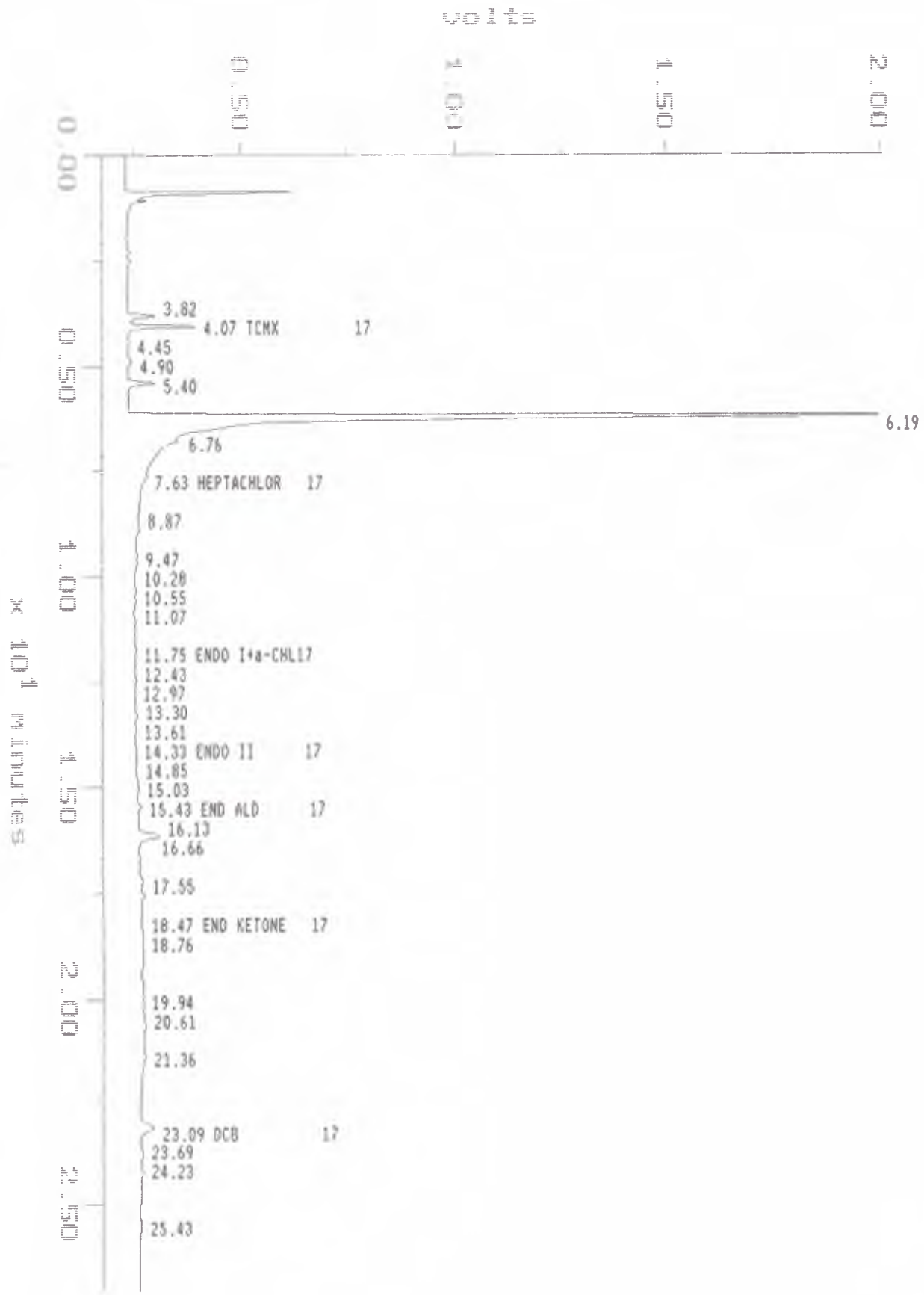
DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.100	TCMX	17	1	800179	42.55	18.04	0.29
1.760	7.217				39733	2.11		
2.073	8.500				98252	5.22		
2.217	9.092				21948	1.17		
2.364	9.692				58205	3.10		
2.567	10.525	HEPT-EPOX	17	15	35286	1.88	Invalid	Invalid
2.709	11.108				27151	1.44		
3.045	12.483				17518	0.93		
3.161	12.958				15661	0.83		
3.949	16.192				16622	0.88		
4.226	17.325				19608	1.04		
5.289	21.683				285485	15.18		
5.648	23.158	DCB	17	41	444808	23.65	19.10	0.31
TOTAL					1880455		37.13	0.60

Sample: 45227-7 Channel: ECD DB-1701 Filename: 94121937
Acquired: 20-DEC-94 4:56 Method: D:\MAX\DATA1\941219A Operator: SJL
Dilution: 1 : 10.000 Amount: 10.456



Sample: 45227-7 Channel: ECD DB-17 Filename: 94121937
Acquired: 20-DEC-94 4:56 Method: D:\MAX\DATA1\941219A Operator: SJL
Dilution: 1 : 10.000 Amount: 10.456



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 13:55:07

SAMPLE: 45227-7
#37 in Method: 8080 PESTICIDES
Acquired: 20-DEC-1994 4:56
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94121937
Index: Disk

Dilution: 10.000
Amount: 10.456

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.125	TCMX 1701	2	553101	19.15	13.87	13.27
1.220	5.033			30367	1.05		
1.307	5.392			268089	9.28		
1.461	6.025	A-BHC 1701	4	10923	0.38	0.92!!	0.88!!
1.588	6.550			45908	1.59		
2.220	9.158			17064	0.59		
2.479	10.225			51271	1.77		
2.586	10.667			23752	0.82		
2.731	11.267	ENDOI+G-CH 1701	19	14980	0.52	1.87!!	1.79!!
2.976	12.275			19622	0.68		
3.459	14.267			16299	0.56		
3.501	14.442	DDD 1701	29	15211	0.53	0.95!!	0.91!!
3.580	14.767			12093	0.42		
3.729	15.383			15100	0.52		
3.822	15.767			26074	0.90		
3.899	16.083			97350	3.37		
3.964	16.350			126522	4.38		
4.145	17.100	ENDSUF+METH1701	36	490599	16.98	24.41	23.34
4.424	18.250			51586	1.79		
4.519	18.642			113169	3.92		
4.731	19.517			73216	2.53		
4.851	20.008			43008	1.49		
4.949	20.417			41009	1.42		
5.109	21.075			26075	0.90		
5.202	21.458	DCB 1701	40	480719	16.64	19.41	18.56
5.505	22.708			76617	2.65		
5.695	23.492			95396	3.30		
6.188	25.525			53552	1.85		
TOTAL				2888674		61.42!!	58.74!!

!! Result calculation based on peak response more than 10% outside of calibration range.

DETECTOR: ECD DB-17

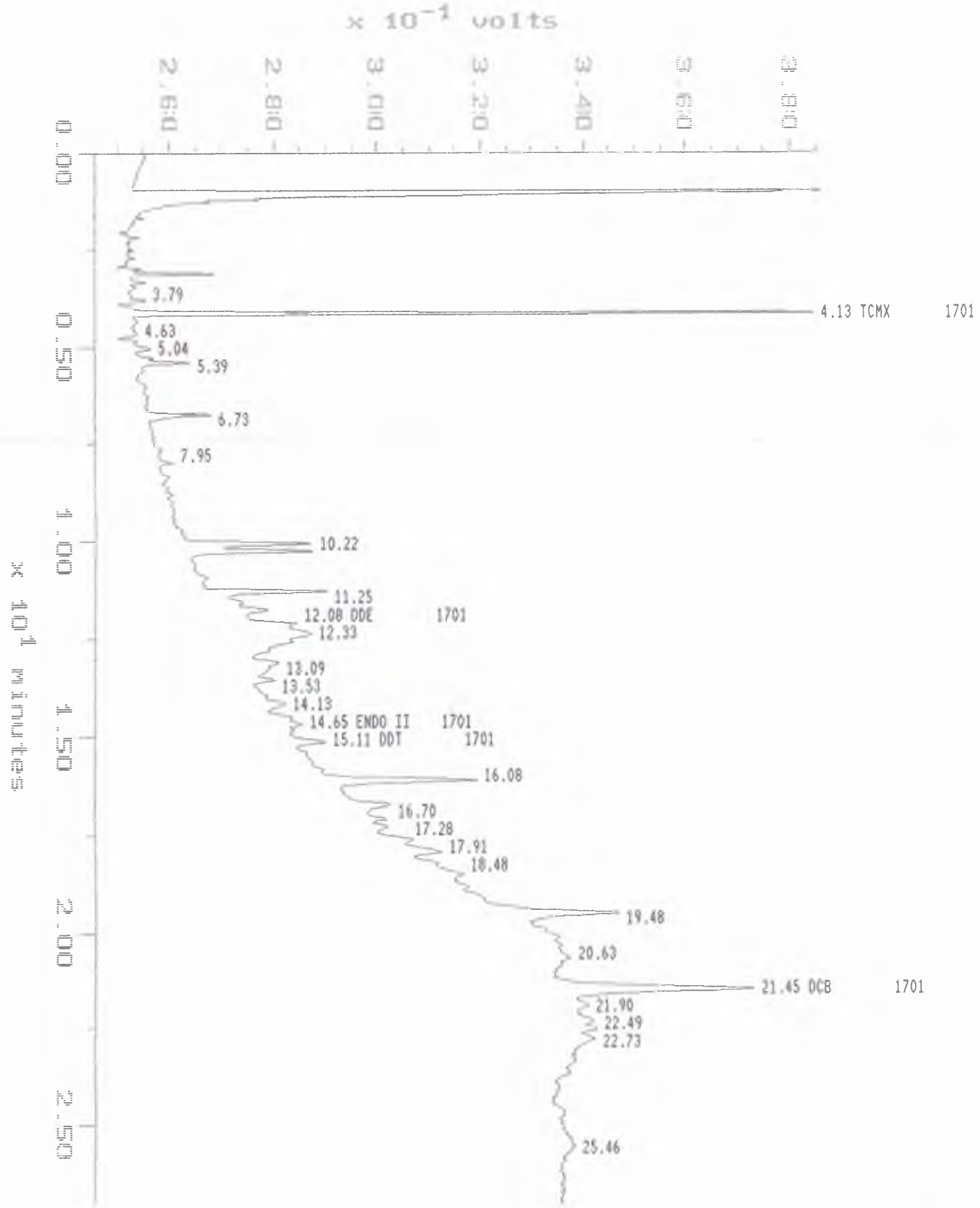
Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.939	3.817				326639	1.14		
1.000	4.067	TCMX	17	1	668849	2.34	14.92	14.27
1.328	5.400				353838	1.24		
1.523	6.192				23833364	83.36		
1.662	6.758				53403	0.19		
1.877	7.633	HEPTACHLOR	17	8	34299	0.12	Invalid	Invalid
2.180	8.867				37944	0.13		
2.328	9.467				53535	0.19		
2.373	9.650				57203	0.20		
2.529	10.283				43786	0.15		
2.594	10.550				46804	0.16		
2.721	11.067				87872	0.31		
2.889	11.750	ENDO I+a-CHL	17	18	73814	0.26	0.54!!	0.52!!
3.055	12.425				41578	0.15		
3.189	12.967				20134	0.07		
3.270	13.300				52368	0.18		
3.346	13.608				31674	0.11		
3.523	14.325	ENDO II	17	28	30675	0.11	0.39!!	0.37!!
3.652	14.850				38794	0.14		
3.695	15.025				45698	0.16		
3.795	15.433	END ALD	17	33	83124	0.29	3.28	3.13
3.883	15.792	ENDOSULFTE	17	34	28220	0.10	0.67!	0.64!
3.967	16.133				518066	1.81		
4.096	16.658				25097	0.09		
4.234	17.217				60167	0.21		
4.316	17.550				82220	0.29		
4.541	18.467	END KETONE	17	39	61382	0.21	1.62	1.55
4.613	18.758				45378	0.16		
4.650	18.908				112912	0.39		
4.904	19.942				233169	0.82		
5.068	20.608				370885	1.30		
5.252	21.358				481961	1.69		
5.678	23.092	DCB	17	41	388565	1.36	16.65	15.92
5.826	23.692				82262	0.29		
5.957	24.225				57925	0.20		
6.254	25.433				25830	0.09		
TOTAL					28589439		38.06!!	36.40!!

!! Result calculation based on peak response more than 10% outside of calibration range.
! Result calculation based on peak response ratio outside of calibration range.

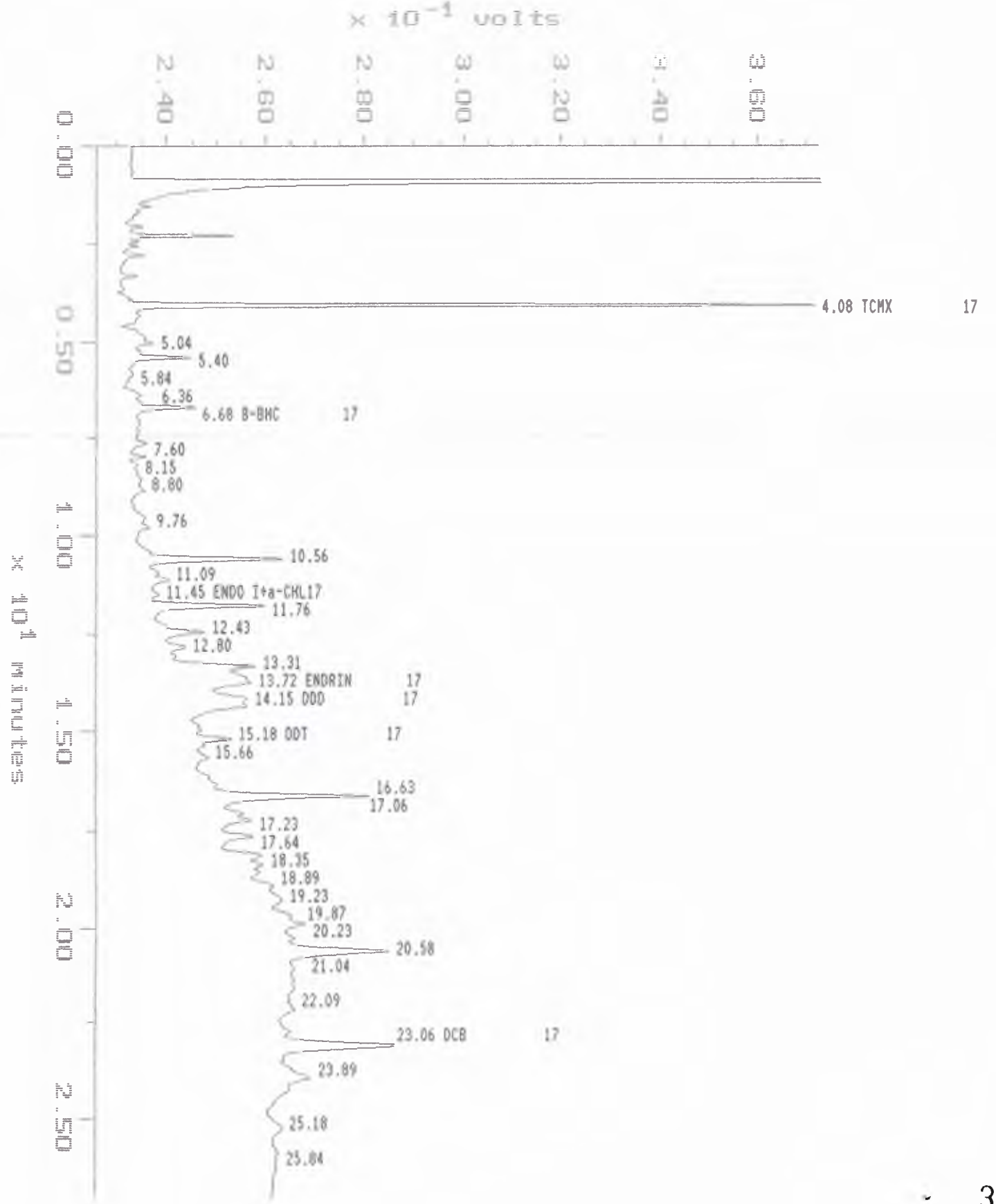
Sample: 45227-8
Acquired: 20-DEC-94 5:25
Dilution: 1 : 10.000

Channel: ECD DB-1701
Method: D:\MAX\DATA1\941219A
Amount: 10.140

Filename: 94121938
Operator: SJL



Sample: 45227-8 Channel: ECD DB-17 Filename: 94121938
Acquired: 20-DEC-94 5:25 Method: D:\MAX\DATA1\941219A Operator: SJL
Dilution: 1 : 10.000 Amount: 10.140



MAXIMA (c)1990 Dynamic Solutions, Division of Millipore

MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 13:55:33

SAMPLE: 45227-8
#38 in Method: 8080 PESTICIDES
Acquired: 20-DEC-1994 5:25
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94121938
Index: Disk

Dilution: 10.000
Amount: 10.140

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.919	3.792			18922	0.64		
1.000	4.125	TCMX 1701	2	537194	18.22	13.49	13.30
1.123	4.633			14430	0.49		
1.222	5.042			57505	1.95		
1.307	5.392			68978	2.34		
1.630	6.725			79278	2.69		
1.927	7.950			12680	0.43		
2.432	10.033			171341	5.81		
2.477	10.217			163576	5.55		
2.727	11.250			138958	4.71		
2.796	11.533	ENDOI+G-CH 1701	19	24486	0.83	2.07!!	2.04!!
2.844	11.733	A-CHLORDNE 1701	20	45129	1.53	1.57	1.55
2.927	12.075	DDE 1701	21	54422	1.85	1.86	1.83
2.988	12.325			84621	2.87		
3.174	13.092			76675	2.60		
3.279	13.525			30580	1.04		
3.426	14.133			32824	1.11		
3.552	14.650	ENDO II 1701	30	11604	0.39	0.83!!	0.82!!
3.663	15.108	DDT 1701	31	44759	1.52	2.27	2.24
3.897	16.075			210807	7.15		
4.048	16.700			59221	2.01		
4.139	17.075	ENDSUF+METH1701	36	16456	0.56	2.15!!	2.12!!
4.188	17.275			19412	0.66		
4.269	17.608			48038	1.63		
4.341	17.908			74451	2.52		
4.479	18.475			21556	0.73		
4.723	19.483			228005	7.73		
5.000	20.625			11975	0.41		
5.200	21.450	DCB 1701	40	414969	14.07	16.78	16.55
5.309	21.900			32389	1.10		
5.400	22.275			28741	0.97		
5.453	22.492			35135	1.19		
5.511	22.733			43728	1.48		

6.172	25.458			35844	1.22		
TOTAL				2948689		41.02!!	40.45!!

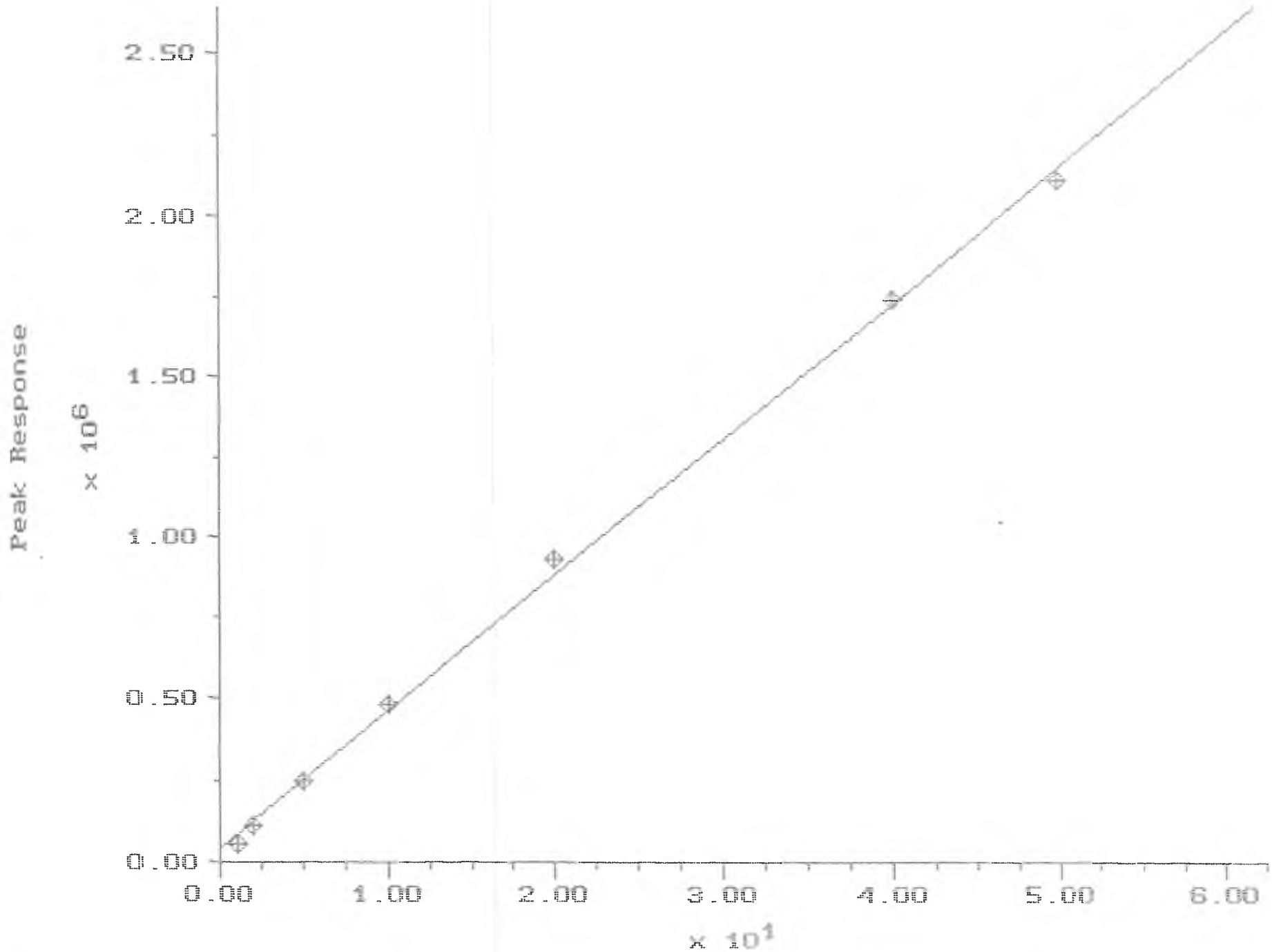
!! Result calculation based on peak response more than 10% outside of calibration range.

DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.075	TCMX	17	1	686235	12.87	15.33	15.12
1.063	4.333				24798	0.46		
1.237	5.042				135832	2.55		
1.325	5.400				134961	2.53		
1.434	5.842				34269	0.64		
1.560	6.358				29197	0.55		
1.640	6.683	B-BHC	17	6	94537	1.77	3.26	3.21
1.865	7.600				33731	0.63		
1.945	7.925				15278	0.29		
2.000	8.150				10183	0.19		
2.098	8.550				37275	0.70		
2.160	8.800				28699	0.54		
2.395	9.758				67976	1.27		
2.591	10.558				248410	4.66		
2.675	10.900	G-CHLordane	17	17	32342	0.61	Invalid	Invalid
2.722	11.092				52487	0.98		
2.810	11.450	ENDO I+a-CHL	17	18	16311	0.31	Invalid	Invalid
2.885	11.758				177336	3.32		
3.049	12.425				100788	1.89		
3.141	12.800				42779	0.80		
3.266	13.308				176923	3.32		
3.366	13.717	ENDRIN	17	26	365522	6.85	10.26	10.12
3.472	14.150	DDD	17	27	183733	3.44	5.19	5.12
3.515	14.325	ENDO II	17	28	171524	3.22	4.59	4.53
3.726	15.183	DDT	17	32	61522	1.15	1.66	1.63
3.843	15.658				27416	0.51		
4.082	16.633				389710	7.31		
4.186	17.058				57968	1.09		
4.229	17.233				64220	1.20		
4.329	17.642				60303	1.13		
4.442	18.100	METHOXY	17	37	79153	1.48	5.65	5.57
4.503	18.350				72886	1.37		
4.554	18.558				57719	1.08		
4.636	18.892				83681	1.57		
4.720	19.233				156255	2.93		
4.875	19.867				213198	4.00		
4.965	20.233				51299	0.96		

5.051	20.583				284240	5.33		
5.164	21.042				11628	0.22		
5.421	22.092				45608	0.86		
5.573	22.708				33803	0.63		
5.658	23.058	DCB	17	41	360468	6.76	15.42	15.21
5.863	23.892				252770	4.74		
6.180	25.183				46382	0.87		
6.342	25.842				22433	0.42		
					---		---	---
TOTAL					5333786		61.36	60.51

INITIAL CALIBRATION DATA



TCMX 17 Concentration

TCMX

17 Calibration Report

Printed: 20-DEC-1994 10:34:27

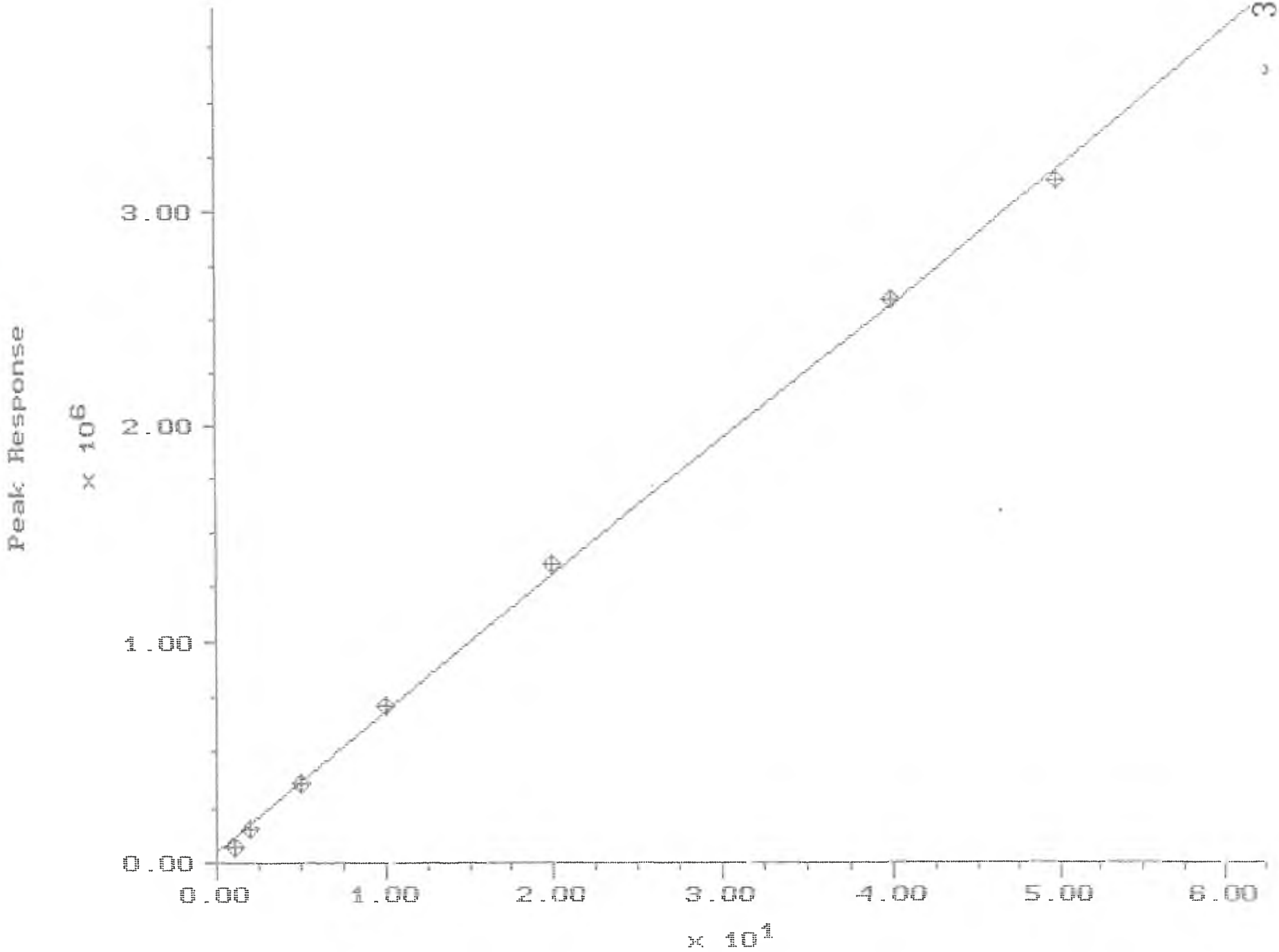
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9993663

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9987331

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -9.393726E-01 + 2.371294E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	5.3472527E+04	3.286181E-01	2.04E+02	1.870119E-05
.0 PEST-048	94121913	Y	2.000000E+00	1.0792137E+05	1.619760E+00	2.35E+01	1.853201E-05
.0 PEST-047	94121914	Y	5.000000E+00	2.4622027E+05	4.899233E+00	2.06E+00	2.030702E-05
) PEST-046	94121915	Y	1.000000E+01	4.8116034E+05	1.047035E+01	-4.49E+00	2.078309E-05
)ug/l pest038	94121916	Y	2.000000E+01	9.2860894E+05	2.108067E+01	-5.13E+00	2.153759E-05
)ug/l pest045	94121917	Y	4.000000E+01	1.7452210E+06	4.044494E+01	-1.10E+00	2.291973E-05
) PEST-044	94121918	Y	5.000000E+01	2.1125932E+06	4.915642E+01	1.72E+00	2.366759E-05


Peak Response
x 10^6
3.00
2.00
1.00
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

A-BHC 17 Calibration Report

Printed: 20-DEC-1994 10:34:37

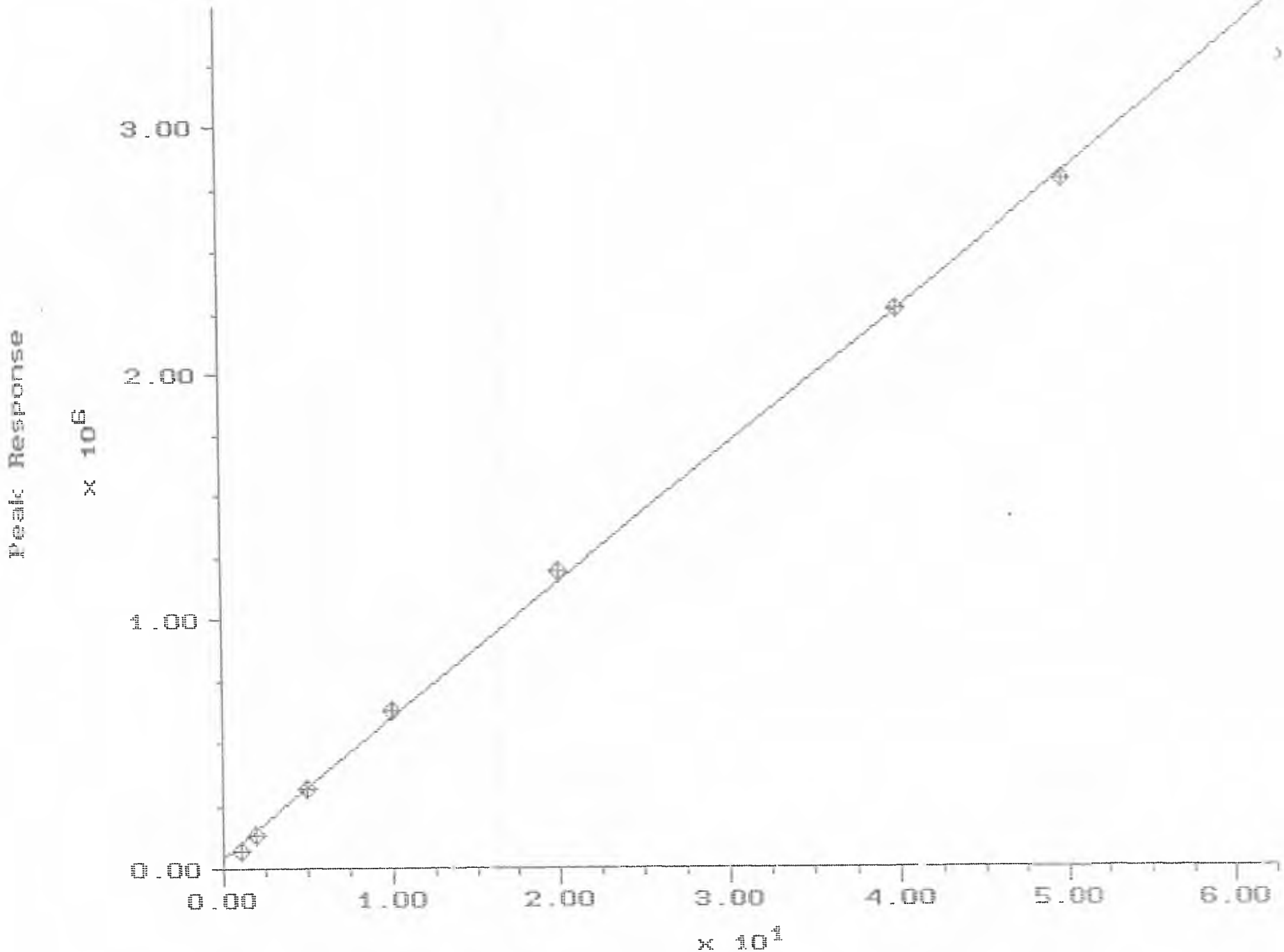
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9995174

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9990351

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -7.951635E-01 + 1.591022E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	7.5129875E+04	4.001692E-01	1.50E+02	1.331028E-05
.0 PEST-048	94121913	Y	2.000000E+00	1.5524927E+05	1.674886E+00	1.94E+01	1.288251E-05
.0 PEST-047	94121914	Y	5.000000E+00	3.5770719E+05	4.896036E+00	2.12E+00	1.397791E-05
) PEST-046	94121915	Y	1.000000E+01	7.1023269E+05	1.050479E+01	-4.81E+00	1.407989E-05
)ug/l pest038	94121916	Y	2.000000E+01	1.3592447E+06	2.083072E+01	-3.99E+00	1.471405E-05
)ug/l pest045	94121917	Y	4.000000E+01	2.5927612E+06	4.045623E+01	-1.13E+00	1.542757E-05
) PEST-044	94121918	Y	5.000000E+01	3.1446665E+06	4.923717E+01	1.55E+00	1.589994E-05


Peak Response
x 10^6
3.00
2.00
1.00
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

LINDANE 17 Calibration Report

Printed: 20-DEC-1994 10:34:47

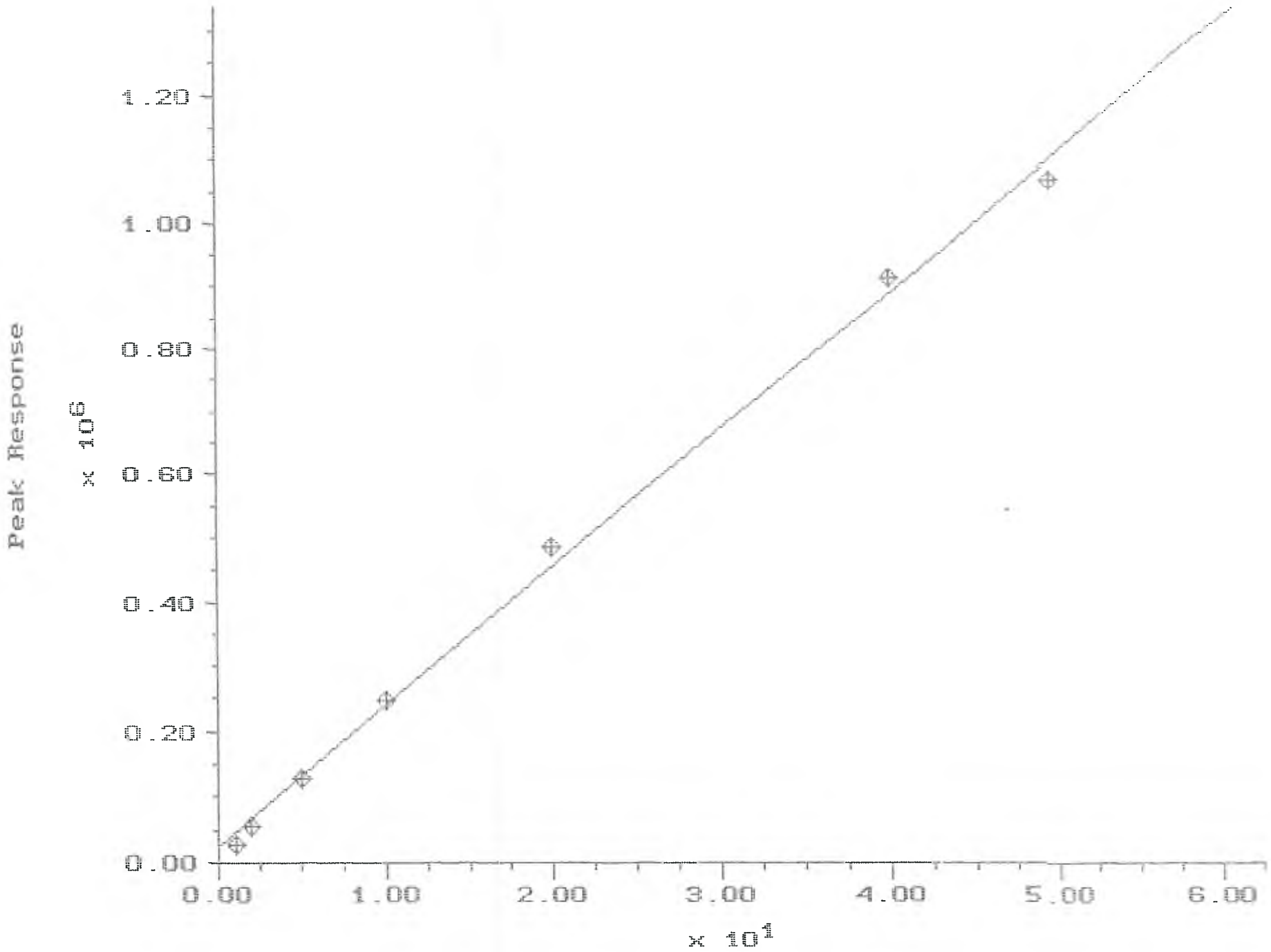
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9996839

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9993679

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -8.341987E-01 + 1.805872E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	7.1114906E+04	4.500457E-01	1.22E+02	1.406175E-05
0 PEST-048	94121913	Y	2.000000E+00	1.4101508E+05	1.712354E+00	1.68E+01	1.418288E-05
0 PEST-047	94121914	Y	5.000000E+00	3.1763559E+05	4.901895E+00	2.00E+00	1.574131E-05
) PEST-046	94121915	Y	1.000000E+01	6.3070037E+05	1.055544E+01	-5.26E+00	1.585539E-05
)ug/l pest038	94121916	Y	2.000000E+01	1.1945100E+06	2.073713E+01	-3.55E+00	1.674327E-05
ug/l pest045	94121917	Y	4.000000E+01	2.2658297E+06	4.008379E+01	-2.09E-01	1.765358E-05
) PEST-044	94121918	Y	5.000000E+01	2.7905372E+06	4.955934E+01	8.89E-01	1.791770E-05


Peak Response
x 10^6
1.20
1.00
0.80
0.60
0.40
0.20
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

B-BHC 17 Calibration Report

Printed: 20-DEC-1994 10:34:56

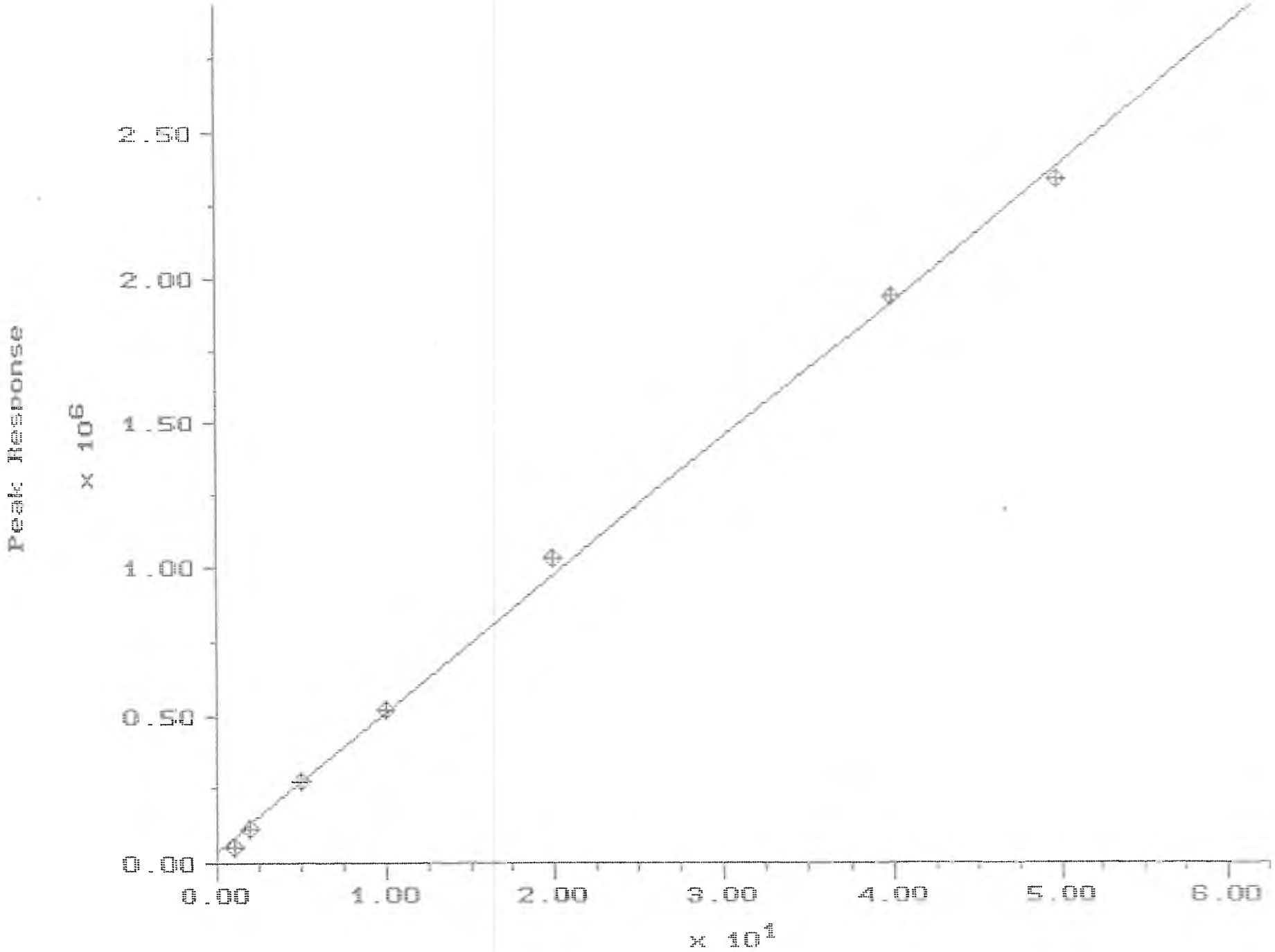
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9984472

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9968968

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -1.113064E+00 + 4.623057E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	2.8542881E+04	2.064893E-01	3.84E+02	3.503501E-05
.0 PEST-048	94121913	Y	2.000000E+00	5.4759988E+04	1.418521E+00	4.10E+01	3.652302E-05
.0 PEST-047	94121914	Y	5.000000E+00	1.2983145E+05	4.889118E+00	2.27E+00	3.851147E-05
0 PEST-046	94121915	Y	1.000000E+01	2.5000666E+05	1.044489E+01	-4.26E+00	3.999894E-05
0ug/l pest038	94121916	Y	2.000000E+01	4.8672206E+05	2.138838E+01	-6.49E+00	4.109121E-05
0ug/l pest045	94121917	Y	4.000000E+01	9.1598825E+05	4.123360E+01	-2.99E+00	4.366868E-05
0 PEST-044	94121918	Y	5.000000E+01	1.0714139E+06	4.841901E+01	3.27E+00	4.666731E-05


Peak Response
x 10^6
2.50
2.00
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

HEPTACHLOR 17 Calibration Report

Printed: 20-DEC-1994 10:35:06

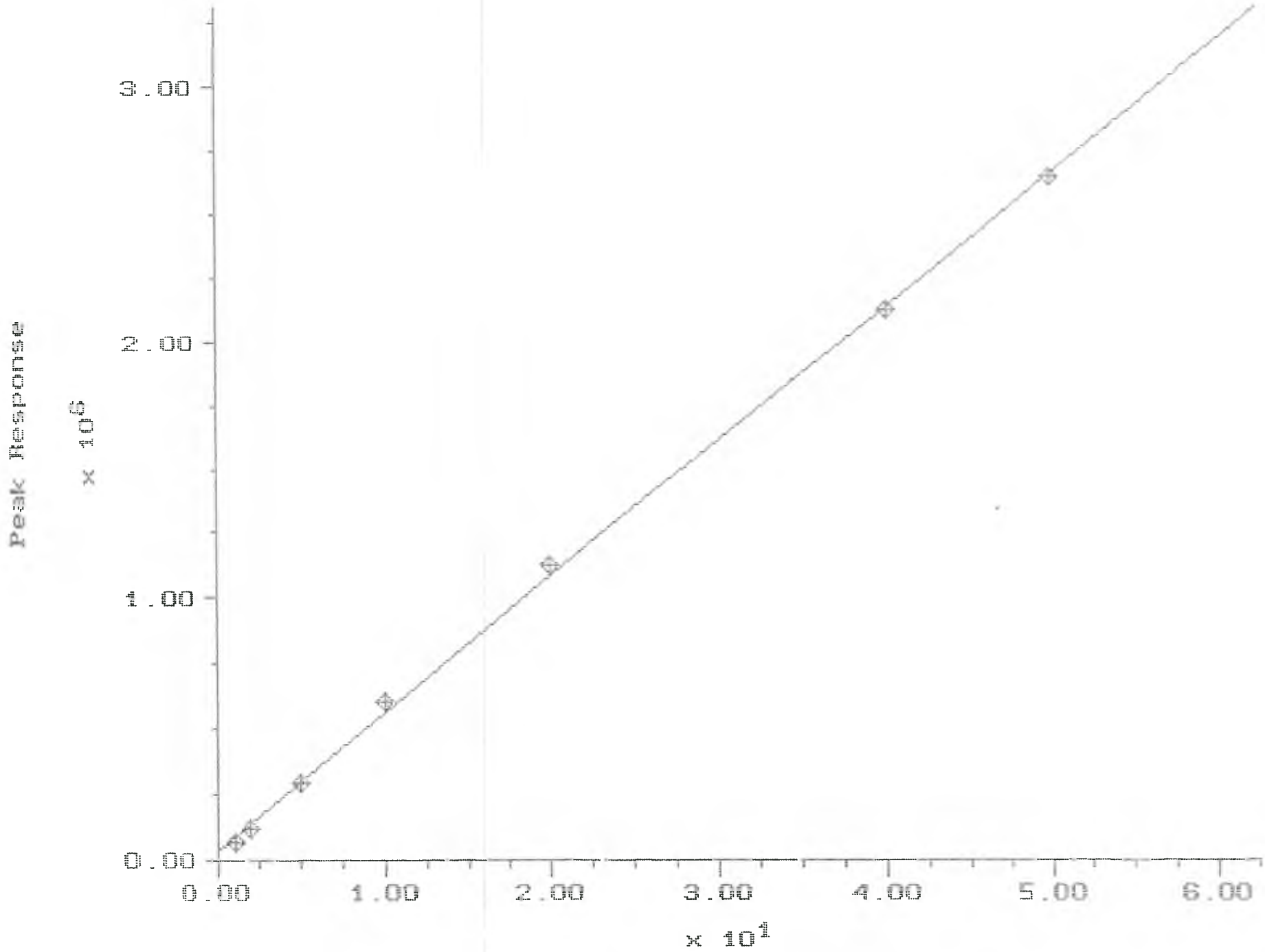
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9992812

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9985629

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -7.978234E-01 + 2.127676E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	4.9881348E+04	2.634899E-01	2.80E+02	2.004757E-05
.0 PEST-048	94121913	Y	2.000000E+00	1.1699440E+05	1.691438E+00	1.82E+01	1.709484E-05
.0 PEST-047	94121914	Y	5.000000E+00	2.7198797E+05	4.989199E+00	2.16E-01	1.838317E-05
) PEST-046	94121915	Y	1.000000E+01	5.1887906E+05	1.024224E+01	-2.37E+00	1.927231E-05
)ug/l pest038	94121916	Y	2.000000E+01	1.0347076E+06	2.121740E+01	-5.74E+00	1.932913E-05
)ug/l pest045	94121917	Y	4.000000E+01	1.9418027E+06	4.051744E+01	-1.28E+00	2.059941E-05
) PEST-044	94121918	Y	5.000000E+01	2.3441830E+06	4.907879E+01	1.88E+00	2.132939E-05


Peak Response
x 10^6
3.00
2.00
1.00
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

320

D-BHC

17 Calibration Report

Printed: 20-DEC-1994 10:35:17

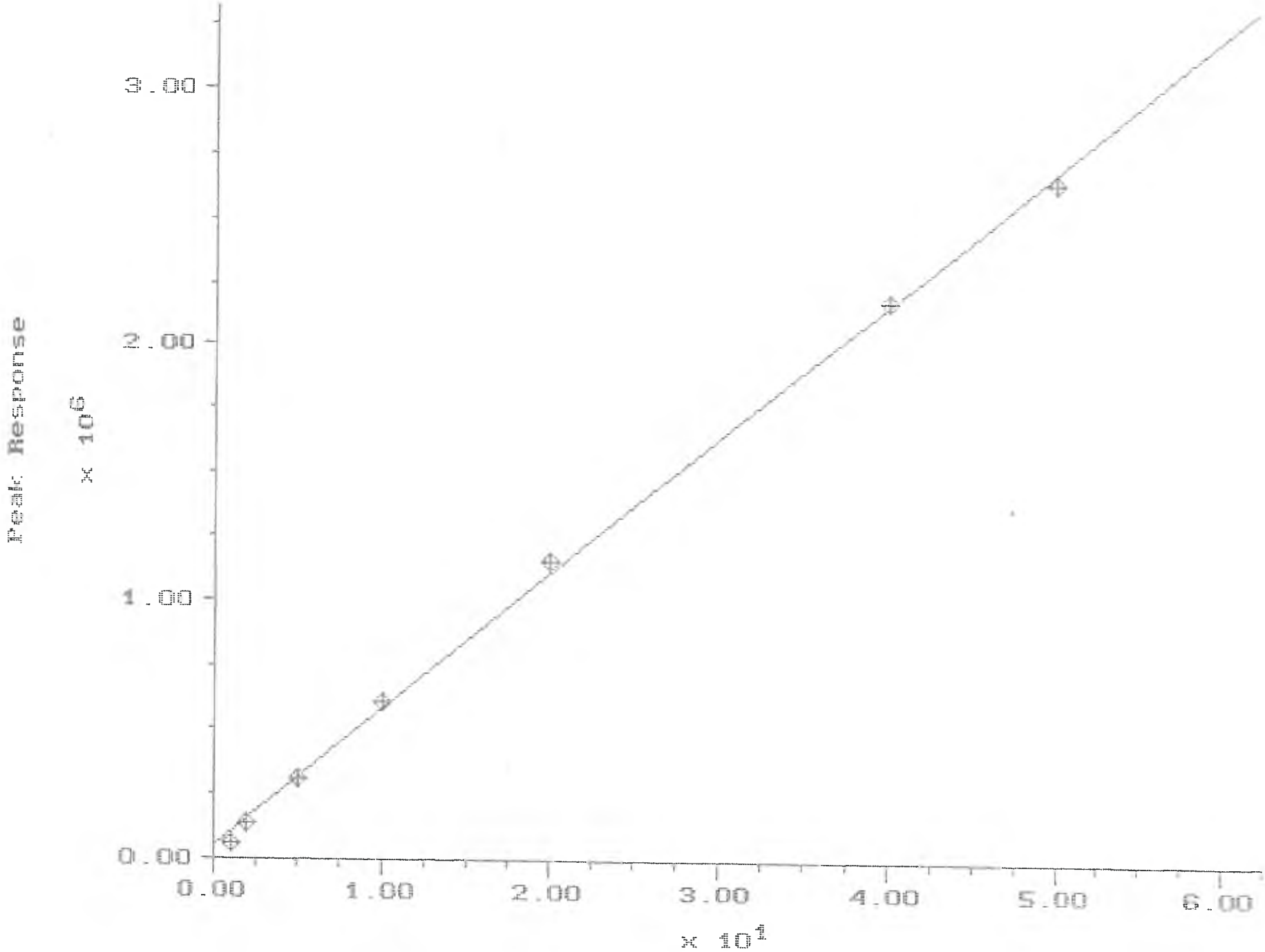
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9996618

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9993237

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -7.329255E-01 + 1.903600E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	6.6434750E+04	5.317263E-01	8.81E+01	1.505236E-05
.0 PEST-048	94121913	Y	2.000000E+00	1.2080939E+05	1.566802E+00	2.76E+01	1.655500E-05
.0 PEST-047	94121914	Y	5.000000E+00	2.9514406E+05	4.885437E+00	2.34E+00	1.694088E-05
0 PEST-046	94121915	Y	1.000000E+01	6.0197662E+05	1.072630E+01	-6.77E+00	1.661194E-05
0ug/l pest038	94121916	Y	2.000000E+01	1.1264856E+06	2.071085E+01	-3.43E+00	1.775433E-05
0ug/l pest045	94121917	Y	4.000000E+01	2.1319920E+06	3.985167E+01	3.72E-01	1.876180E-05
0 PEST-044	94121918	Y	5.000000E+01	2.6507745E+06	4.972721E+01	5.49E-01	1.886241E-05


Peak Response
x 10^6
3.00
2.00
1.00
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

ALDRIN 17 Calibration Report

Printed: 20-DEC-1994 10:35:26

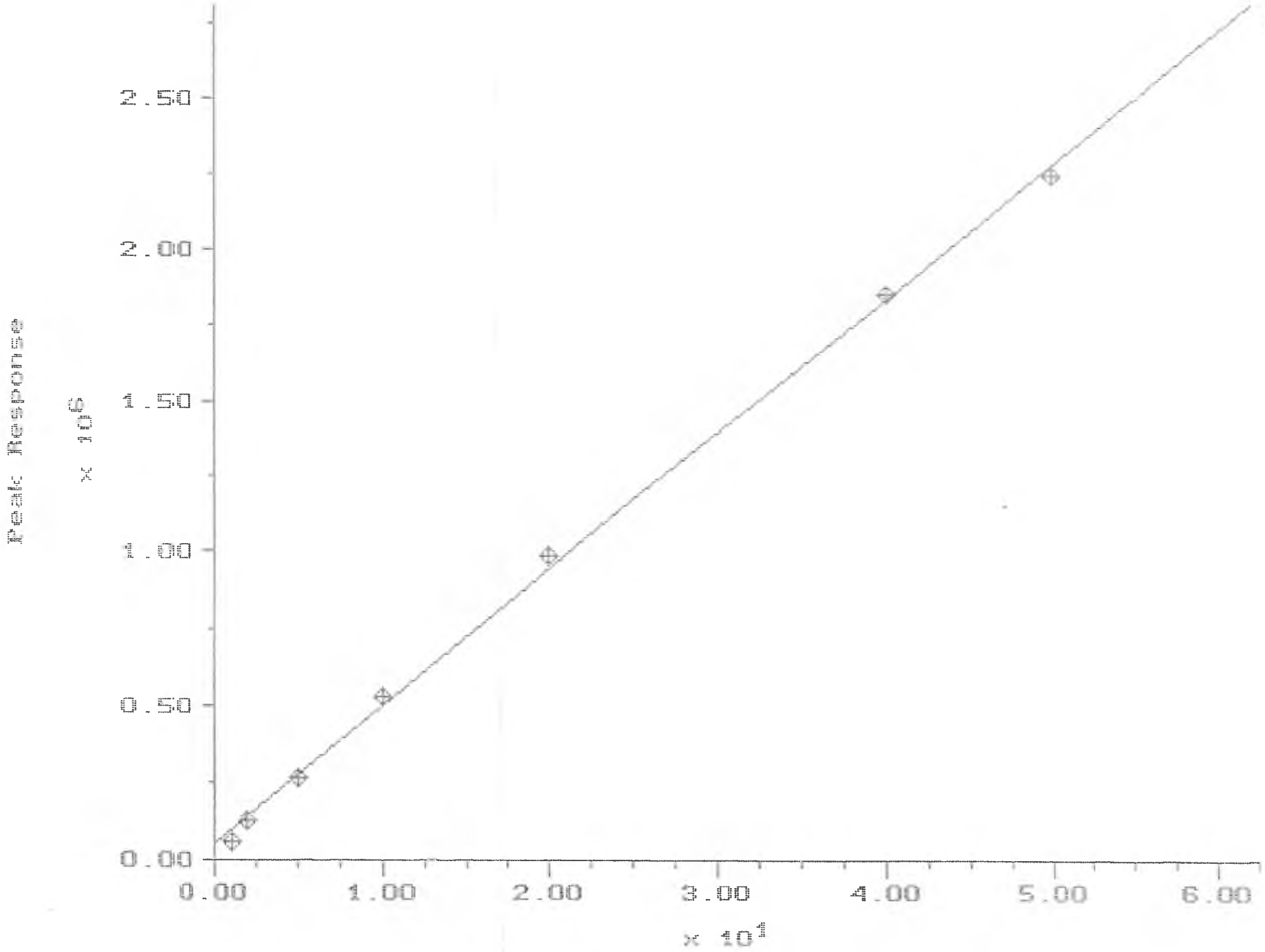
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9994769

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9989540

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -9.102180E-01 + 1.888145E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0 PEST-049	94121912	Y	1.000000E+00	6.3143977E+04	2.820317E-01	2.55E+02	1.583682E-05
0 PEST-048	94121913	Y	2.000000E+00	1.3673189E+05	1.671478E+00	1.97E+01	1.462717E-05
0 PEST-047	94121914	Y	5.000000E+00	3.1147903E+05	4.970957E+00	5.84E-01	1.605244E-05
PEST-046	94121915	Y	1.000000E+01	6.0488469E+05	1.051088E+01	-4.86E+00	1.653208E-05
ug/l pest038	94121916	Y	2.000000E+01	1.1580475E+06	2.095540E+01	-4.56E+00	1.727045E-05
ug/l pest045	94121917	Y	4.000000E+01	2.1834210E+06	4.031593E+01	-7.84E-01	1.831988E-05
PEST-044	94121918	Y	5.000000E+01	2.6588820E+06	4.929333E+01	1.43E+00	1.880490E-05


Peak Response
x 10^6
2.50
2.00
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

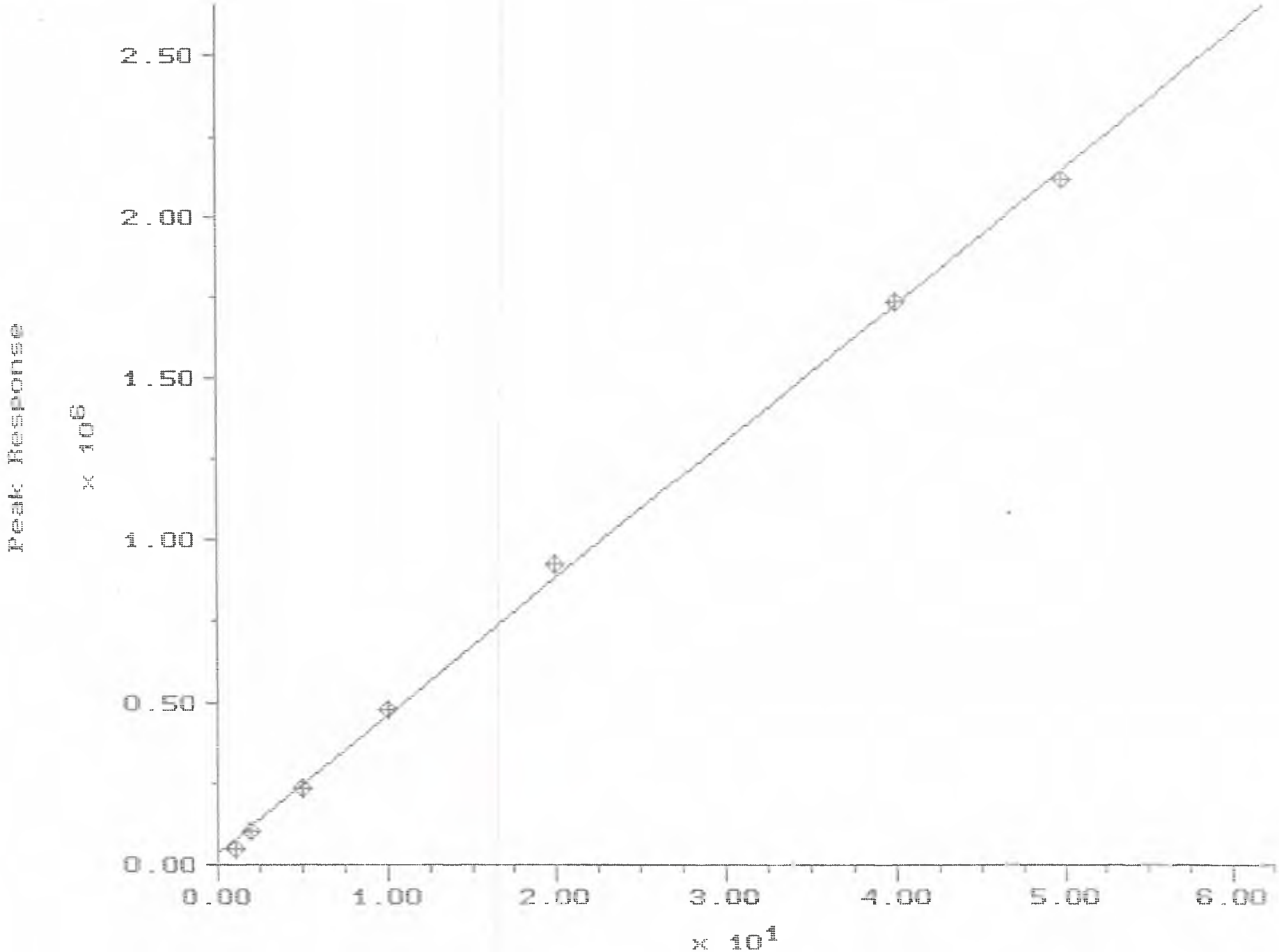
HEPT-EPOX 17 Calibration Report

Printed: 20-DEC-1994 10:35:37

Quant Basis: Area
Rejection Tolerance: None
Internal Standard: None
Curve Type: Linear
Weighting: None
Forced Through Origin: No
Y-axis Label: Response
Corr. Coef. (r): 0.9993523
Coef. of Determination (r^2): 0.9987050

Equation: Conc = -1.067533E+00 + 2.235670E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	5.5975625E+04	1.838974E-01	4.44E+02	1.786492E-05
0 PEST-048	94121913	Y	2.000000E+00	1.2164177E+05	1.651976E+00	2.11E+01	1.644172E-05
.0 PEST-047	94121914	Y	5.000000E+00	2.6677194E+05	4.896607E+00	2.11E+00	1.874260E-05
) PEST-046	94121915	Y	1.000000E+01	5.2865694E+05	1.075149E+01	-6.99E+00	1.891586E-05
)ug/l pest038	94121916	Y	2.000000E+01	9.8315194E+05	2.091250E+01	-4.36E+00	2.034274E-05
ug/l pest045	94121917	Y	4.000000E+01	1.8544224E+06	4.039123E+01	-9.69E-01	2.157006E-05
PEST-044	94121918	Y	5.000000E+01	2.2489830E+06	4.921230E+01	1.60E+00	2.223227E-05


Peak Response
x 10^6
2.50
2.00
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

G-CHLordane 17 Calibration Report

Printed: 20-DEC-1994 10:35:46

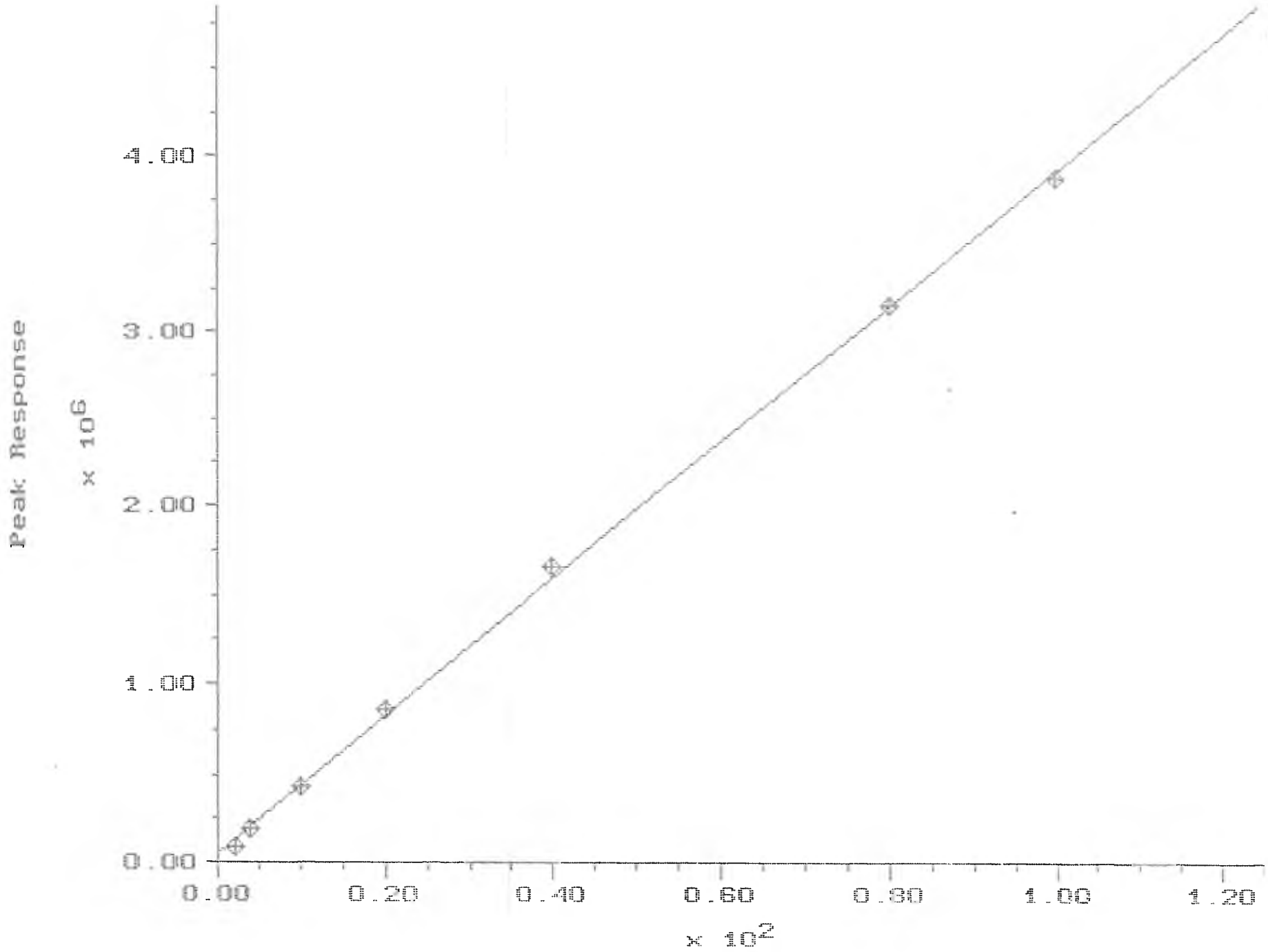
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9995270

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9990543

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -7.688709E-01 + 2.361376E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	4.9735016E+04	4.055599E-01	1.47E+02	2.010656E-05
0 PEST-048	94121913	Y	2.000000E+00	1.0299923E+05	1.663328E+00	2.02E+01	1.941762E-05
.0 PEST-047	94121914	Y	5.000000E+00	2.3714784E+05	4.831082E+00	3.50E+00	2.108389E-05
) PEST-046	94121915	Y	1.000000E+01	4.8037416E+05	1.057457E+01	-5.43E+00	2.081711E-05
)ug/l pest038	94121916	Y	2.000000E+01	9.1756056E+05	2.089819E+01	-4.30E+00	2.179693E-05
ug/l pest045	94121917	Y	4.000000E+01	1.7390256E+06	4.029607E+01	-7.35E-01	2.300139E-05
) PEST-044	94121918	Y	5.000000E+01	2.1216472E+06	4.933120E+01	1.36E+00	2.356659E-05


Peak Response
x 10^6
4.00
3.00
2.00
1.00
0.00
0.00
0.20
0.40
0.60
0.80
1.00
1.20
x 10^2

ENDO I+a-CHL17 Calibration Report

Printed: 20-DEC-1994 10:35:56

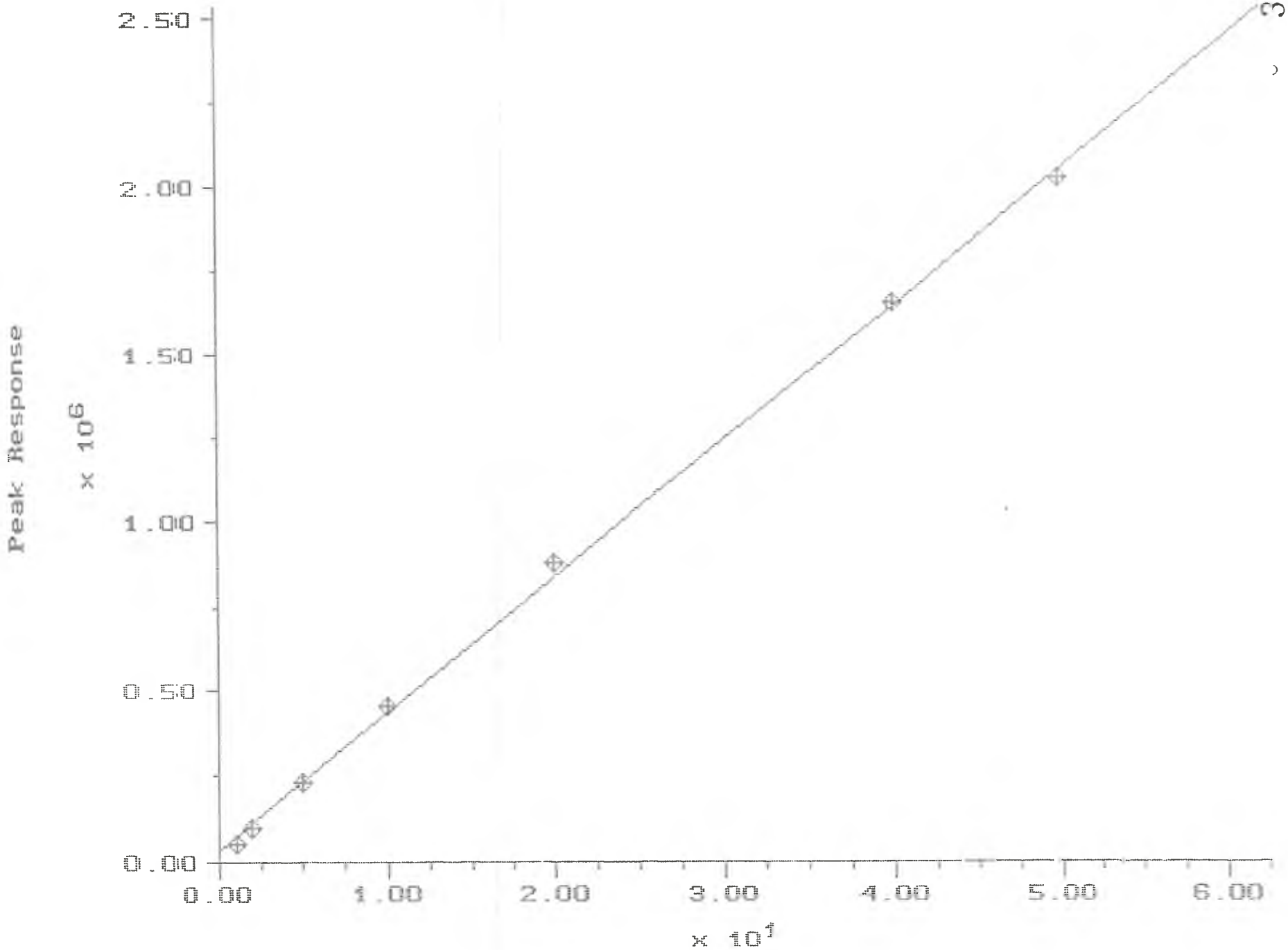
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9996632

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9993266

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -1.367948E+00 + 2.584403E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	2.000000E+00	8.8086141E+04	9.085532E-01	1.20E+02	2.270505E-05
.0 PEST-048	94121913	Y	4.000000E+00	1.8611284E+05	3.441958E+00	1.62E+01	2.149234E-05
.0 PEST-047	94121914	Y	1.000000E+01	4.3182319E+05	9.792103E+00	2.12E+00	2.315763E-05
0 PEST-046	94121915	Y	2.000000E+01	8.6324350E+05	2.094174E+01	-4.50E+00	2.316843E-05
0ug/l pest038	94121916	Y	4.000000E+01	1.6645994E+06	4.165201E+01	-3.97E+00	2.402981E-05
0ug/l pest045	94121917	Y	8.000000E+01	3.1576807E+06	8.023924E+01	-2.98E-01	2.533505E-05
0 PEST-044	94121918	Y	1.000000E+02	3.8845470E+06	9.902440E+01	9.85E-01	2.574303E-05


Peak Response
x 10^6
2.50
2.00
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

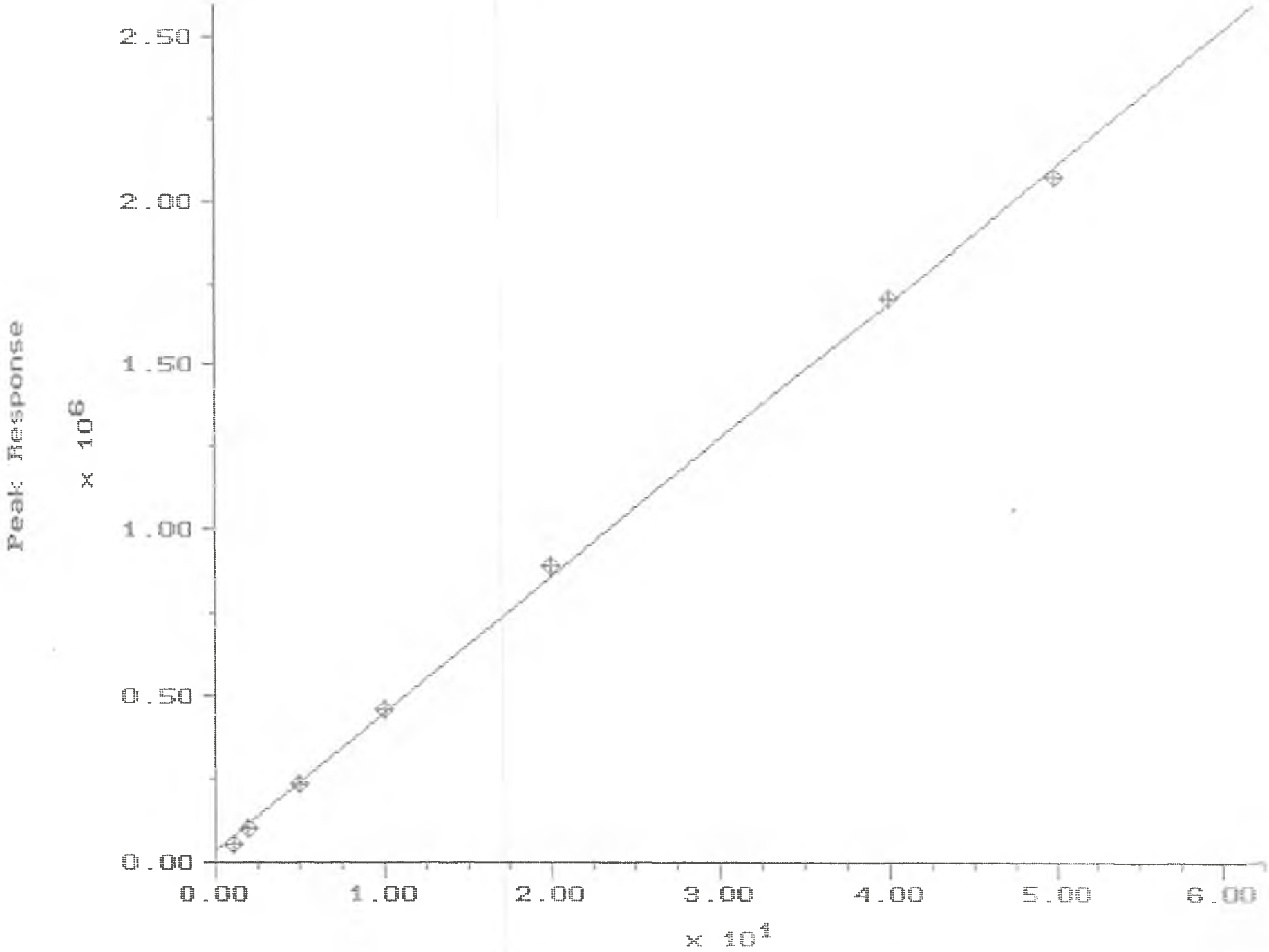
DDE 17 Calibration Report

Printed: 20-DEC-1994 10:36:08

Quant Basis: Area
Rejection Tolerance: None
Internal Standard: None
Curve Type: Linear
Weighting: None
Forced Through Origin: No
Y-axis Label: Response
Corr. Coef. (r): 0.9996024
Coef. of Determination (r^2): 0.9992049

Equation: Conc = -8.092279E-01 + 2.475662E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0 PEST-049	94121912	Y	1.000000E+00	5.2182383E+04	4.826316E-01	1.07E+02	1.916356E-05
0 PEST-048	94121913	Y	2.000000E+00	1.0112347E+05	1.694248E+00	1.80E+01	1.977780E-05
0 PEST-047	94121914	Y	5.000000E+00	2.2910033E+05	4.862522E+00	2.83E+00	2.182450E-05
PEST-046	94121915	Y	1.000000E+01	4.5325612E+05	1.041186E+01	-3.96E+00	2.206258E-05
ug/l pest038	94121916	Y	2.000000E+01	8.7697131E+05	2.090162E+01	-4.31E+00	2.280576E-05
ug/l pest045	94121917	Y	4.000000E+01	1.6592847E+06	4.026906E+01	-6.68E-01	2.410677E-05
PEST-044	94121918	Y	5.000000E+01	2.0272267E+06	4.937806E+01	1.26E+00	2.466424E-05


Peak Response
x 10^6
2.50
2.00
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

DIELDRIN 17 Calibration Report

Printed: 20-DEC-1994 10:36:17

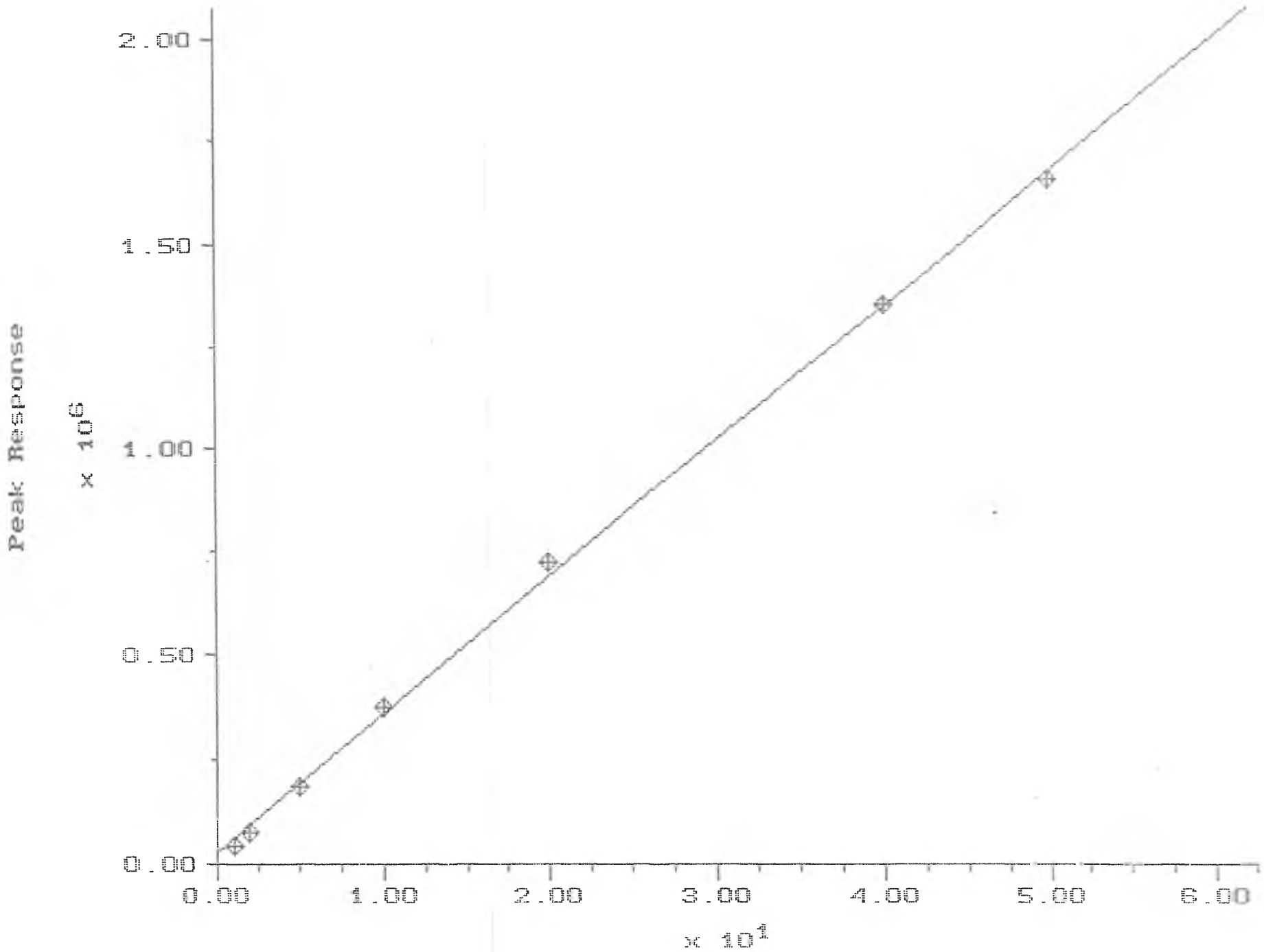
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9996178

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9992357

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -7.512125E-01 + 2.411874E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	5.0819523E+04	4.744903E-01	1.11E+02	1.967748E-05
0 PEST-048	94121913	Y	2.000000E+00	1.0140331E+05	1.694508E+00	1.80E+01	1.972322E-05
0 PEST-047	94121914	Y	5.000000E+00	2.3623559E+05	4.946492E+00	1.08E+00	2.116531E-05
PEST-046	94121915	Y	1.000000E+01	4.6248772E+05	1.040341E+01	-3.88E+00	2.162220E-05
ug/l pest038	94121916	Y	2.000000E+01	8.9140756E+05	2.074841E+01	-3.61E+00	2.243643E-05
ug/l pest045	94121917	Y	4.000000E+01	1.7071577E+06	4.042328E+01	-1.05E+00	2.343076E-05
PEST-044	94121918	Y	5.000000E+01	2.0755905E+06	4.930941E+01	1.40E+00	2.408953E-05


Peak Response
x 10^6
2.00
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

ENDRIN 17 Calibration Report

Printed: 20-DEC-1994 10:36:27

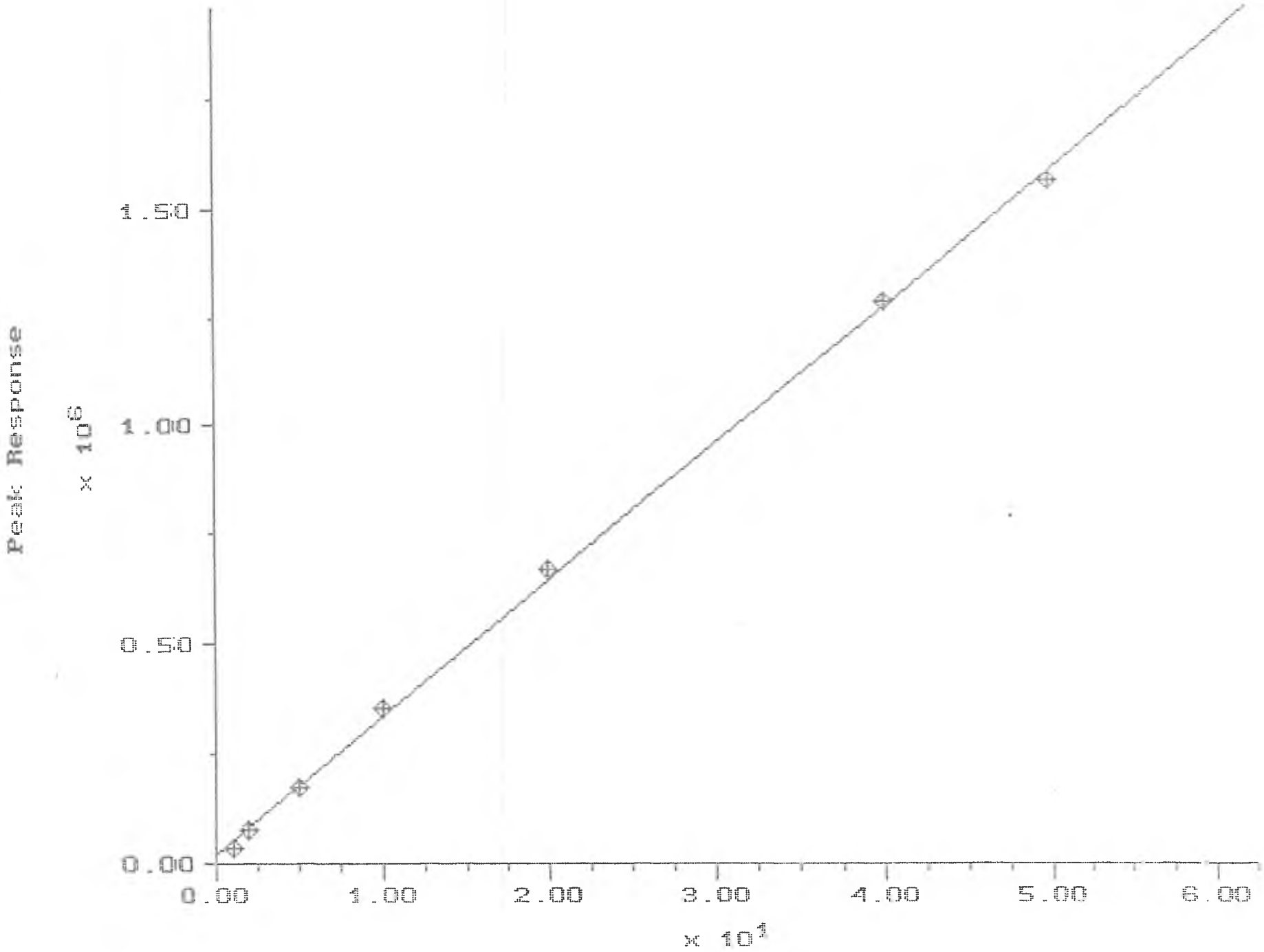
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9995522

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9991046

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -7.743354E-01 + 3.018396E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
PEST-049	94121912	Y	1.000000E+00	4.0939457E+04	4.613793E-01	1.17E+02	2.442631E-05
PEST-048	94121913	Y	2.000000E+00	7.8265086E+04	1.588014E+00	2.59E+01	2.555418E-05
PEST-047	94121914	Y	5.000000E+00	1.8671516E+05	4.861467E+00	2.85E+00	2.677876E-05
PEST-046	94121915	Y	1.000000E+01	3.7548787E+05	1.055937E+01	-5.30E+00	2.663202E-05
g/l pest038	94121916	Y	2.000000E+01	7.1958912E+05	2.094571E+01	-4.52E+00	2.779364E-05
g/l pest045	94121917	Y	4.000000E+01	1.3563456E+06	4.016554E+01	-4.12E-01	2.949101E-05
PEST-044	94121918	Y	5.000000E+01	1.6628982E+06	4.941851E+01	1.18E+00	3.006799E-05


Peak Response
x 10^6
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^3

DDD 17 Calibration Report

Printed: 20-DEC-1994 10:36:36

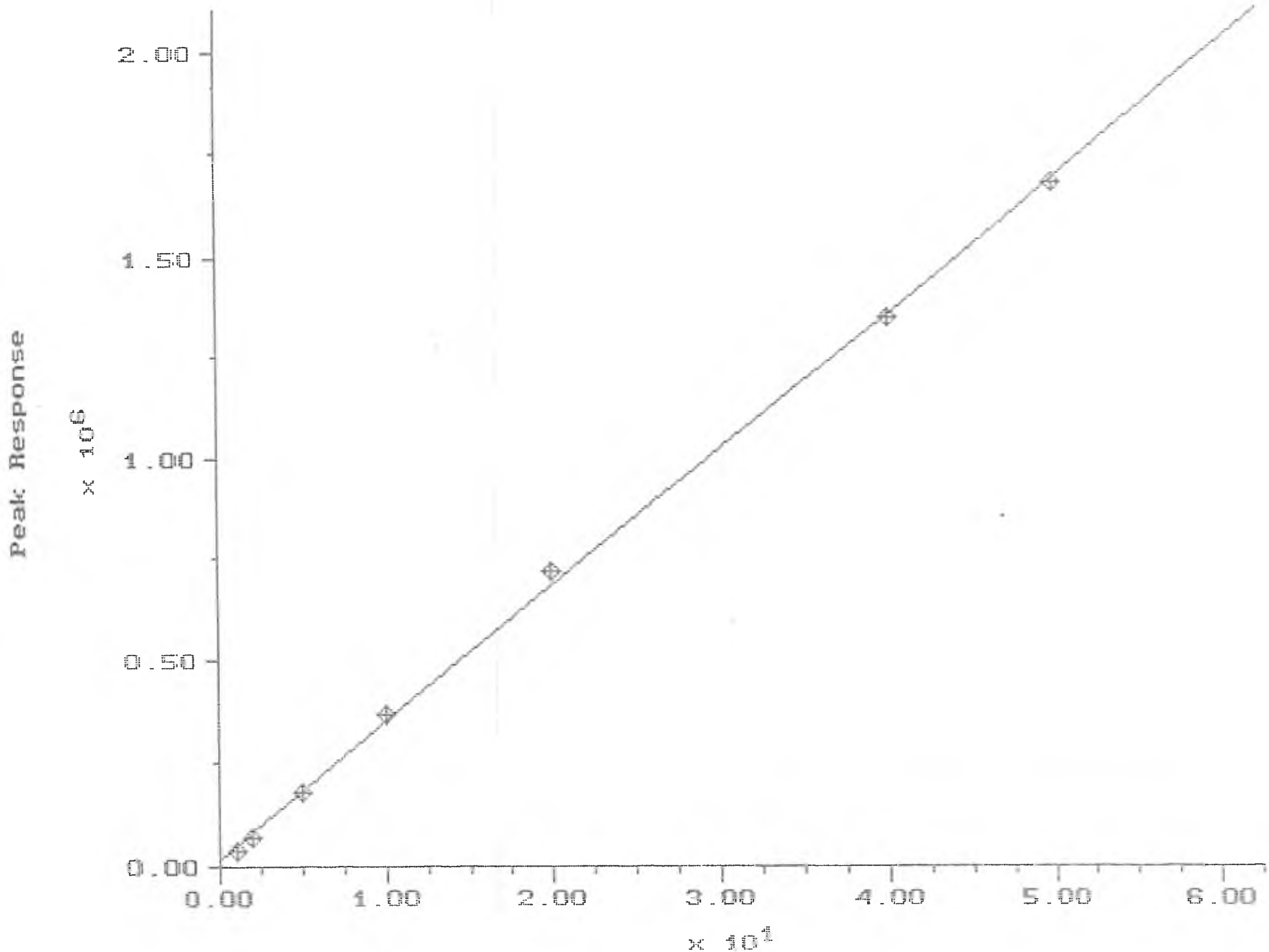
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9995872

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9991746

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -6.662487E-01 + 3.186400E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	3.5588449E+04	4.677415E-01	1.14E+02	2.809900E-05
.0 PEST-048	94121913	Y	2.000000E+00	7.5227031E+04	1.730785E+00	1.56E+01	2.658619E-05
.0 PEST-047	94121914	Y	5.000000E+00	1.7164591E+05	4.803076E+00	4.10E+00	2.912974E-05
) PEST-046	94121915	Y	1.000000E+01	3.5210644E+05	1.055327E+01	-5.24E+00	2.840050E-05
)ug/l pest038	94121916	Y	2.000000E+01	6.7095137E+05	2.071294E+01	-3.44E+00	2.980842E-05
)ug/l pest045	94121917	Y	4.000000E+01	1.2898820E+06	4.043455E+01	-1.07E+00	3.101059E-05
) PEST-044	94121918	Y	5.000000E+01	1.5680357E+06	4.929764E+01	1.42E+00	3.188703E-05


Peak Response
x 10^6
2.00
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

ENDO II 17 Calibration Report

Printed: 20-DEC-1994 10:36:46

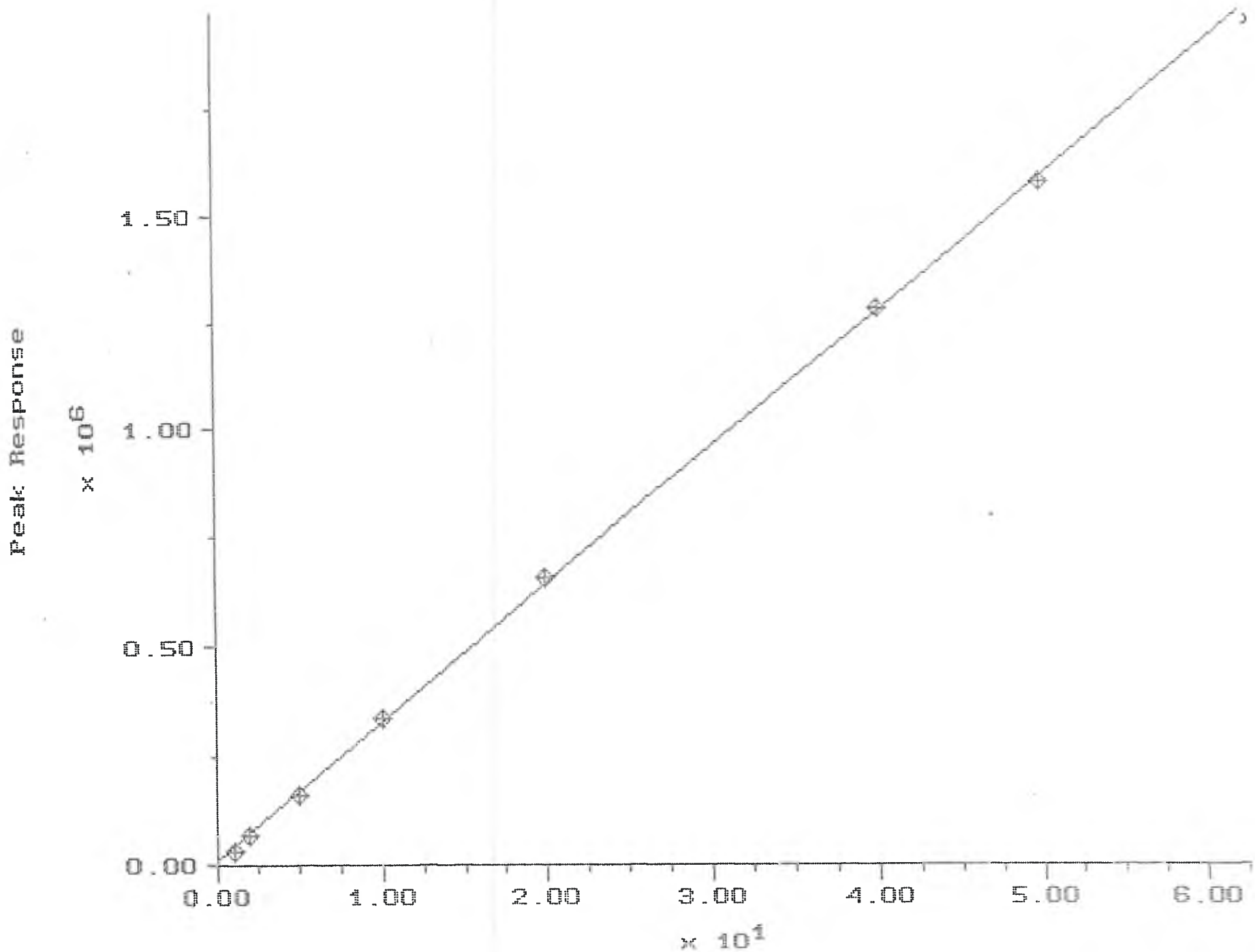
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9996527

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9993056

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -5.252222E-01 + 2.983975E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
PEST-049	94121912	Y	1.000000E+00	3.7571496E+04	5.959017E-01	6.78E+01	2.661592E-05
PEST-048	94121913	Y	2.000000E+00	7.0729562E+04	1.585330E+00	2.62E+01	2.827672E-05
PEST-047	94121914	Y	5.000000E+00	1.7999116E+05	4.845668E+00	3.18E+00	2.777914E-05
PEST-046	94121915	Y	1.000000E+01	3.7032906E+05	1.052530E+01	-4.99E+00	2.700301E-05
g/l pest038	94121916	Y	2.000000E+01	7.1858569E+05	2.091719E+01	-4.38E+00	2.783245E-05
g/l pest045	94121917	Y	4.000000E+01	1.3518016E+06	3.981220E+01	4.72E-01	2.959014E-05
PEST-044	94121918	Y	5.000000E+01	1.6837820E+06	4.971841E+01	5.66E-01	2.969506E-05


Peak Response
x 10^6
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

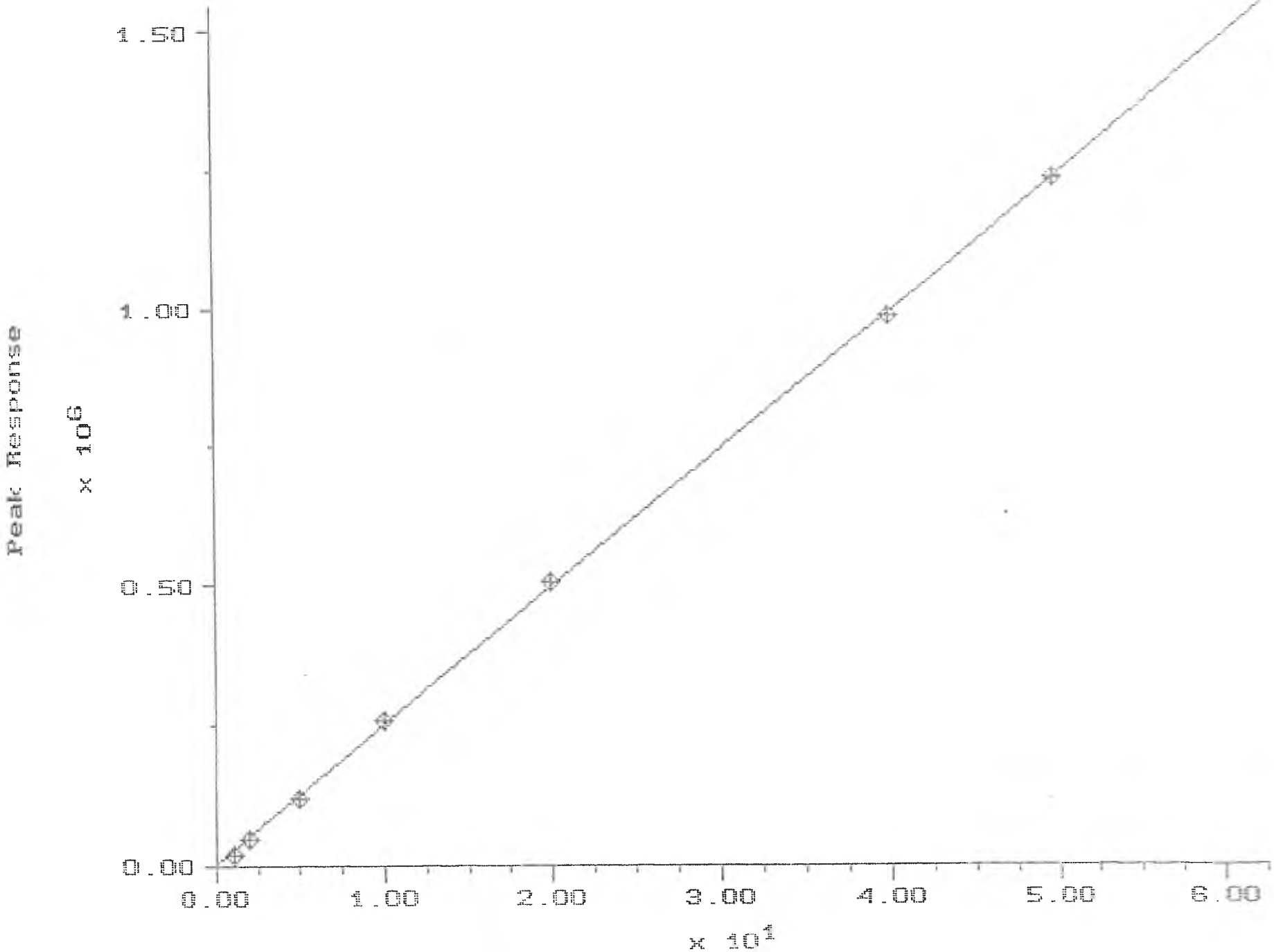
DDT 17 Calibration Report

Printed: 20-DEC-1994 10:36:57

Quant Basis: Area
Rejection Tolerance: None
Internal Standard: None
Curve Type: Linear
Weighting: None
Forced Through Origin: No
Y-axis Label: Response
Corr. Coef. (r): 0.9998556
Coef. of Determination (r^2): 0.9997112

Equation: Conc = -2.834000E-01 + 3.154960E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
PEST-049	94121912	Y	1.000000E+00	3.2942301E+04	7.559164E-01	3.23E+01	3.035611E-05
PEST-048	94121913	Y	2.000000E+00	6.5798766E+04	1.792525E+00	1.16E+01	3.039571E-05
PEST-047	94121914	Y	5.000000E+00	1.6243162E+05	4.841253E+00	3.28E+00	3.078218E-05
PEST-046	94121915	Y	1.000000E+01	3.3640509E+05	1.033005E+01	-3.20E+00	2.972607E-05
g/l pest038	94121916	Y	2.000000E+01	6.5714431E+05	2.044924E+01	-2.20E+00	3.043472E-05
g/l pest045	94121917	Y	4.000000E+01	1.2843822E+06	4.023835E+01	-5.92E-01	3.114338E-05
PEST-044	94121918	Y	5.000000E+01	1.5808781E+06	4.959267E+01	8.21E-01	3.162799E-05


Peak Response
x 10^9
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

END ALD 17 Calibration Report

Printed: 20-DEC-1994 10:37:07

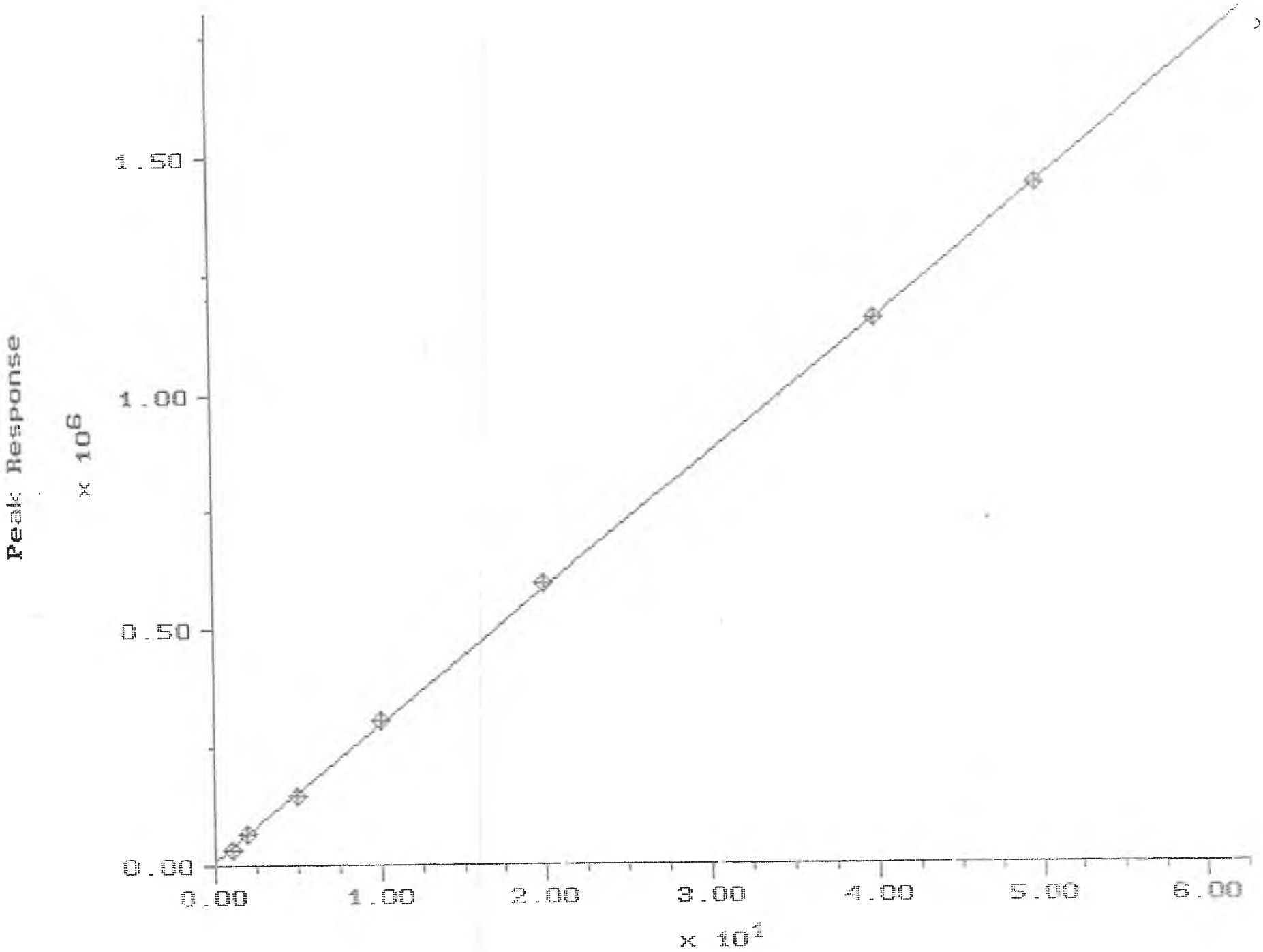
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9998963

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9997926

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -8.758865E-02 + 4.046835E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
PEST-049	94121912	Y	1.000000E+00	2.1668676E+04	7.893070E-01	2.67E+01	4.614957E-05
PEST-048	94121913	Y	2.000000E+00	4.9929031E+04	1.932957E+00	3.47E+00	4.005686E-05
PEST-047	94121914	Y	5.000000E+00	1.1947305E+05	4.747289E+00	5.32E+00	4.185044E-05
PEST-046	94121915	Y	1.000000E+01	2.5863533E+05	1.037896E+01	-3.65E+00	3.866448E-05
g/l pest038	94121916	Y	2.000000E+01	5.0635047E+05	2.040358E+01	-1.98E+00	3.949833E-05
g/l pest045	94121917	Y	4.000000E+01	9.8477975E+05	3.976483E+01	5.91E-01	4.061822E-05
PEST-044	94121918	Y	5.000000E+01	1.2372796E+06	4.998308E+01	3.39E-02	4.041124E-05


Peak Response
x 10^6
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

ENDOSULFTE 17 Calibration Report

Printed: 20-DEC-1994 10:37:17

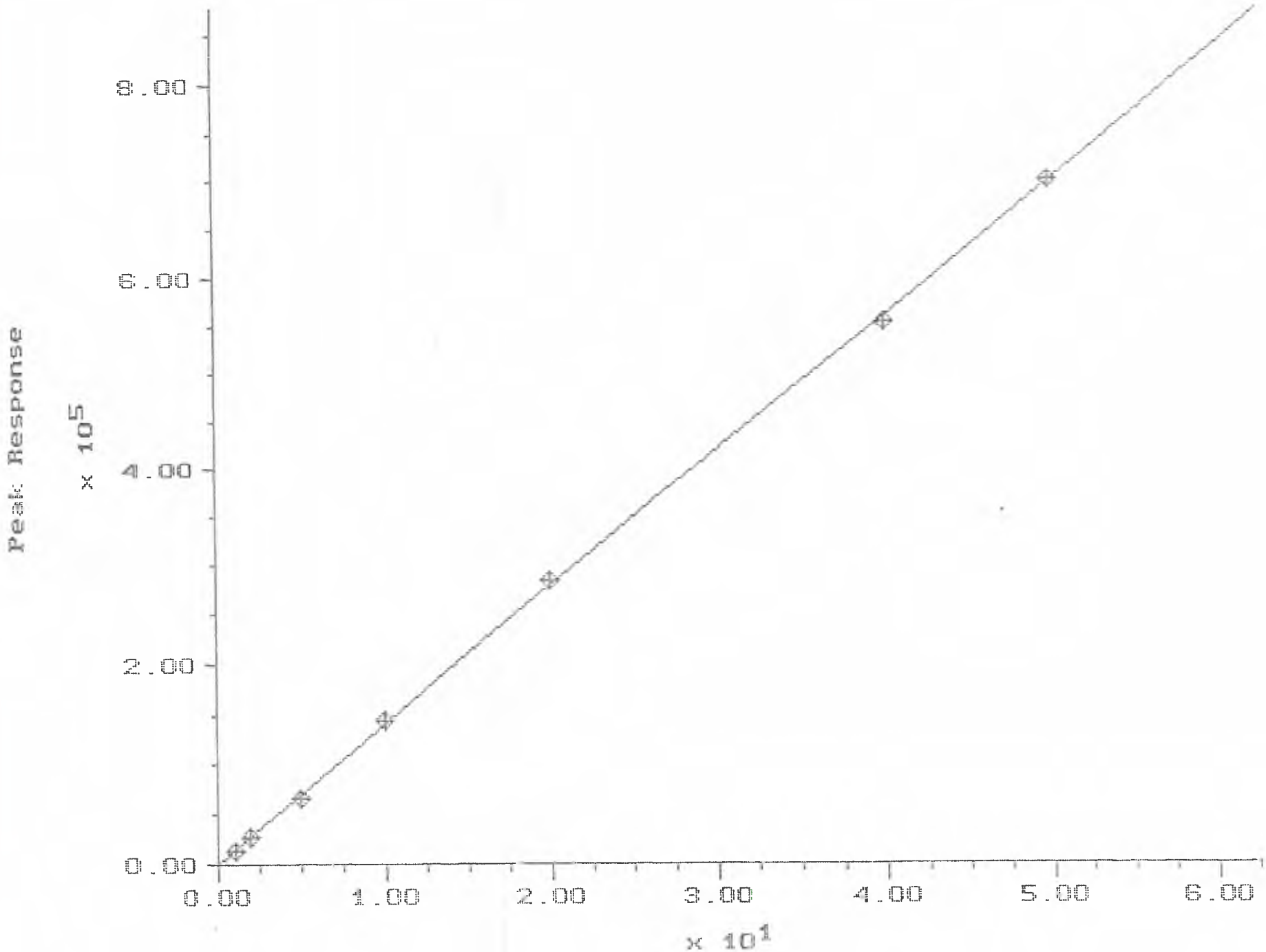
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9999090

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9998180

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -3.124805E-01 + 3.479444E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
PEST-049	94121912	Y	1.000000E+00	3.1189326E+04	7.727346E-01	2.94E+01	3.206225E-05
PEST-048	94121913	Y	2.000000E+00	6.3772211E+04	1.906438E+00	4.91E+00	3.136162E-05
PEST-047	94121914	Y	5.000000E+00	1.4621737E+05	4.775071E+00	4.71E+00	3.419566E-05
PEST-046	94121915	Y	1.000000E+01	3.0829075E+05	1.041432E+01	-3.98E+00	3.243691E-05
g/l pest038	94121916	Y	2.000000E+01	5.9344656E+05	2.033616E+01	-1.65E+00	3.370143E-05
g/l pest045	94121917	Y	4.000000E+01	1.1559780E+06	3.990912E+01	2.28E-01	3.460273E-05
PEST-044	94121918	Y	5.000000E+01	1.4427202E+06	4.988616E+01	2.28E-01	3.465675E-05


Peak Response
x 10^5
8.00
6.00
4.00
2.00
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

METHOXY 17 Calibration Report

Printed: 20-DEC-1994 10:37:28

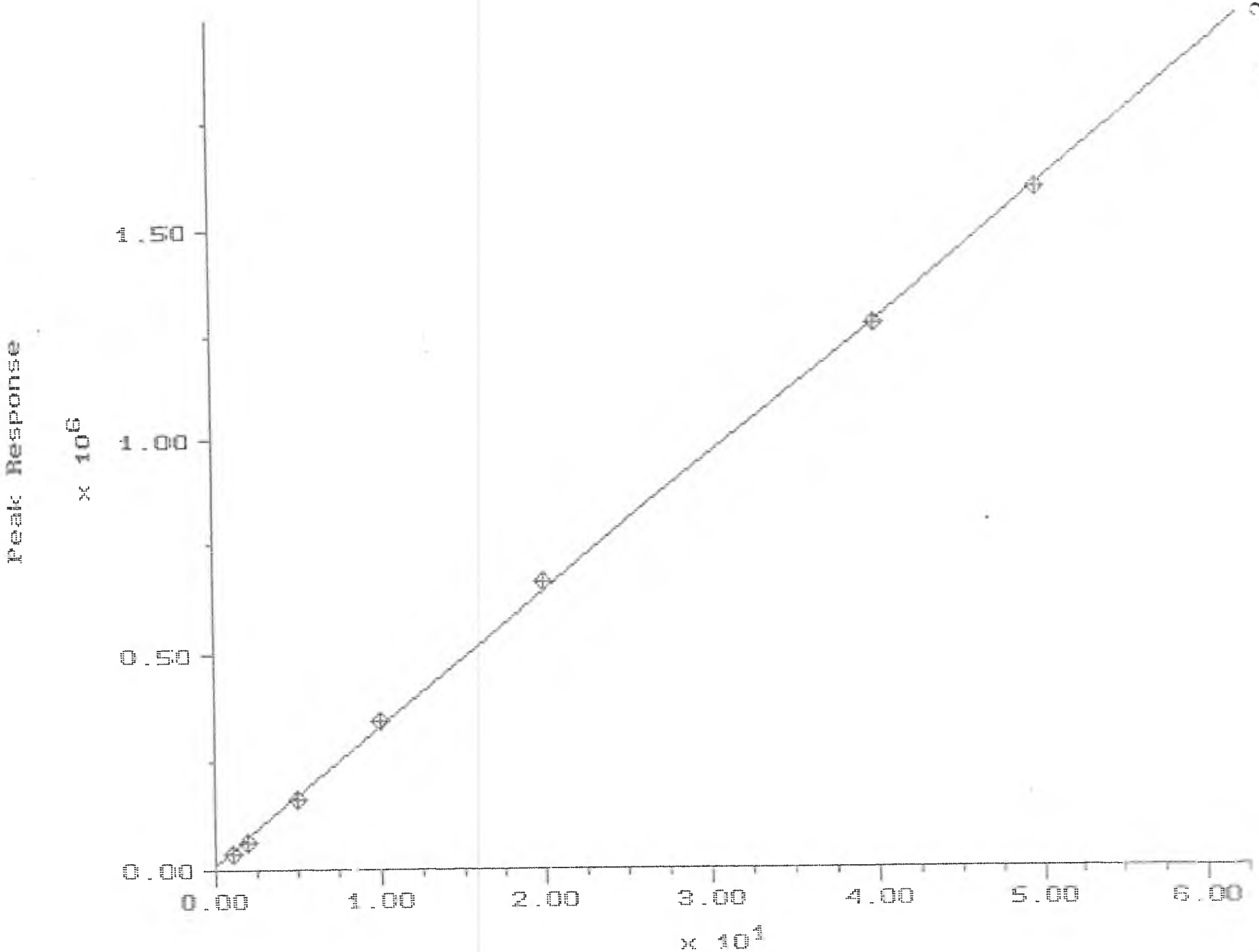
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9999121

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9998242

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -8.807761E-03 + 7.144062E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
PEST-049	94121912	Y	1.000000E+00	1.4126601E+04	1.000405E+00	-4.05E-02	7.078844E-05
PEST-048	94121913	Y	2.000000E+00	2.7406816E+04	1.949152E+00	2.61E+00	7.297455E-05
PEST-047	94121914	Y	5.000000E+00	6.5885789E+04	4.698114E+00	6.43E+00	7.588890E-05
PEST-046	94121915	Y	1.000000E+01	1.4415564E+05	1.028976E+01	-2.82E+00	6.936947E-05
g/l pest038	94121916	Y	2.000000E+01	2.8381559E+05	2.026715E+01	-1.32E+00	7.046829E-05
g/l pest045	94121917	Y	4.000000E+01	5.5499056E+05	3.964006E+01	9.08E-01	7.207330E-05
PEST-044	94121918	Y	5.000000E+01	7.0217975E+05	5.015535E+01	-3.10E-01	7.120684E-05


Peak Response
x 10^6
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

END KETONE 17 Calibration Report

Printed: 20-DEC-1994 10:37:38

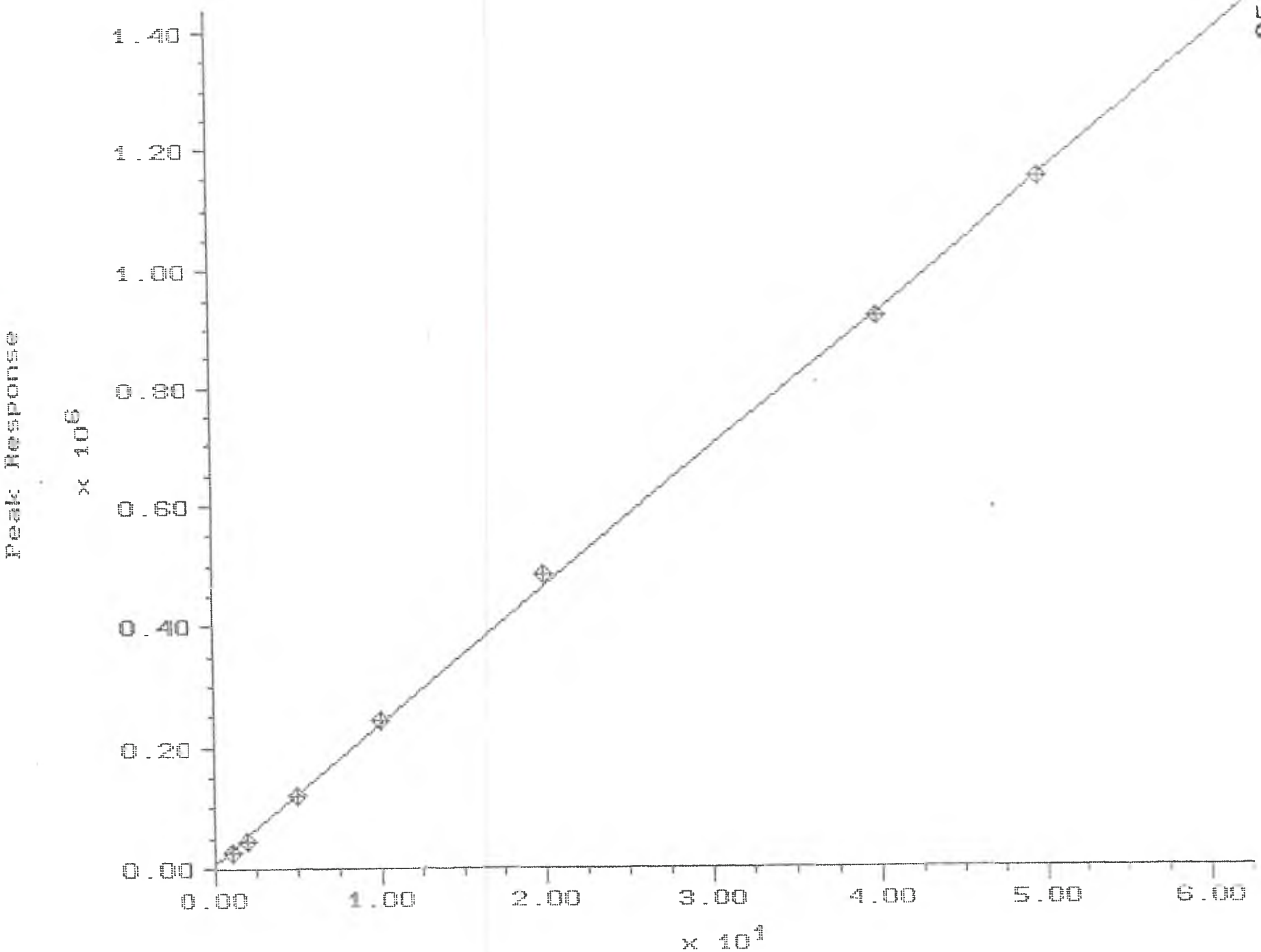
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9998420

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9996840

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -3.158545E-01 + 3.148204E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
PEST-049	94121912	Y	1.000000E+00	3.5441820E+04	7.999262E-01	2.50E+01	2.821526E-05
PEST-048	94121913	Y	2.000000E+00	6.4082156E+04	1.701582E+00	1.75E+01	3.120994E-05
PEST-047	94121914	Y	5.000000E+00	1.6242983E+05	4.797768E+00	4.22E+00	3.078252E-05
PEST-046	94121915	Y	1.000000E+01	3.4097706E+05	1.041880E+01	-4.02E+00	2.932749E-05
/l pest038	94121916	Y	2.000000E+01	6.6334375E+05	2.056756E+01	-2.76E+00	3.015028E-05
/l pest045	94121917	Y	4.000000E+01	1.2788494E+06	3.994493E+01	1.38E-01	3.127812E-05
PEST-044	94121918	Y	5.000000E+01	1.5909161E+06	4.976943E+01	4.63E-01	3.142843E-05


Peak Response
x 10^6
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

DCB

17 Calibration Report

Printed: 20-DEC-1994 10:37:48

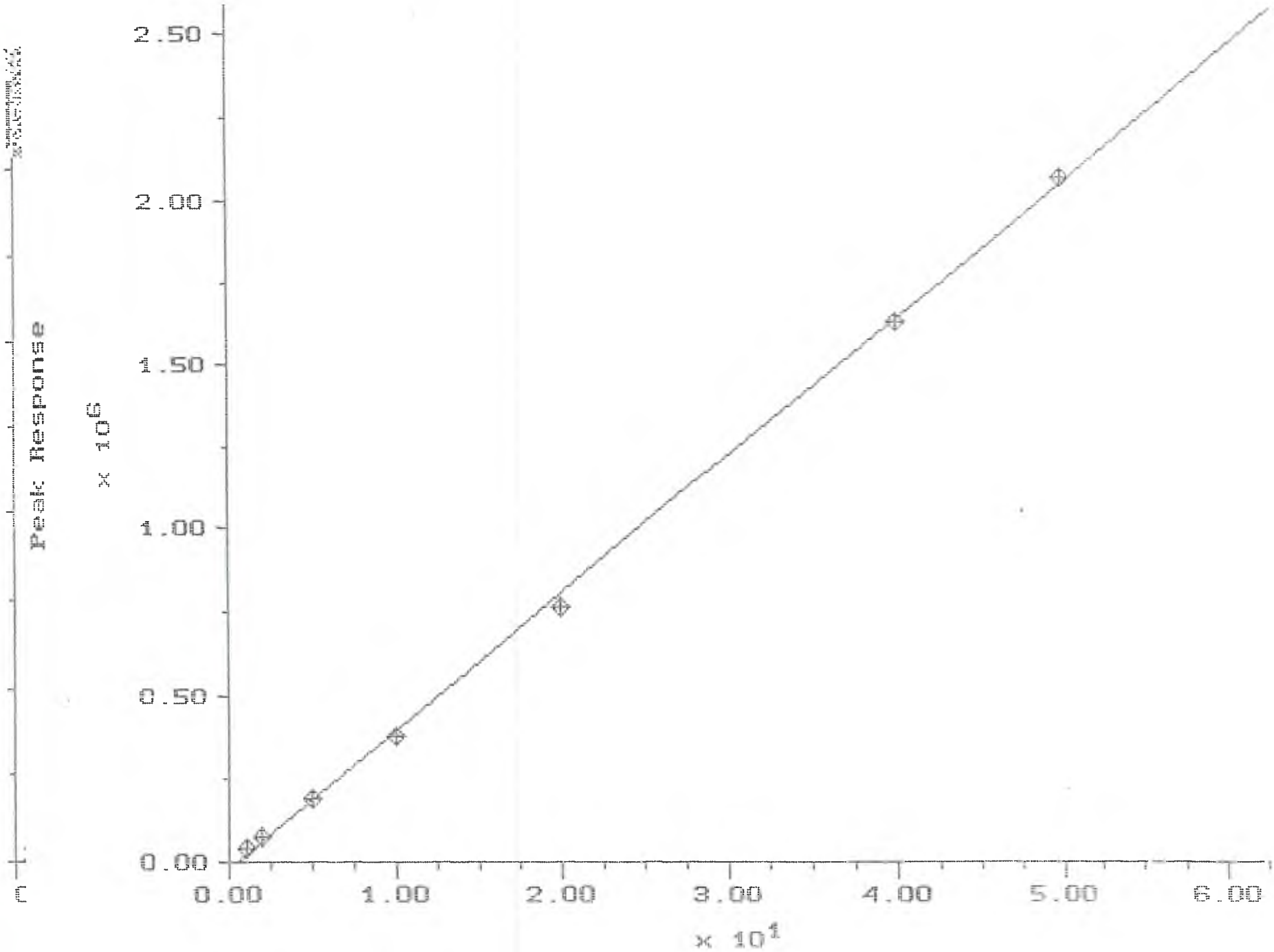
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9998031

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9996062

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -2.866433E-01 + 4.358280E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	2.4506453E+04	7.814166E-01	2.80E+01	4.080558E-05
0 PEST-048	94121913	Y	2.000000E+00	4.4817930E+04	1.666648E+00	2.00E+01	4.462500E-05
0 PEST-047	94121914	Y	5.000000E+00	1.1840584E+05	4.873815E+00	2.59E+00	4.222765E-05
PEST-046	94121915	Y	1.000000E+01	2.4290178E+05	1.029970E+01	-2.91E+00	4.116890E-05
ug/l pest038	94121916	Y	2.000000E+01	4.8273212E+05	2.075217E+01	-3.62E+00	4.143085E-05
ug/l pest045	94121917	Y	4.000000E+01	9.1940656E+05	3.978367E+01	5.44E-01	4.350632E-05
PEST-044	94121918	Y	5.000000E+01	1.1502065E+06	4.984258E+01	3.16E-01	4.347046E-05


Peak Response
x 10^6
2.50
2.00
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

TCMX

1701 Calibration Report

Printed: 20-DEC-1994 11:40:57

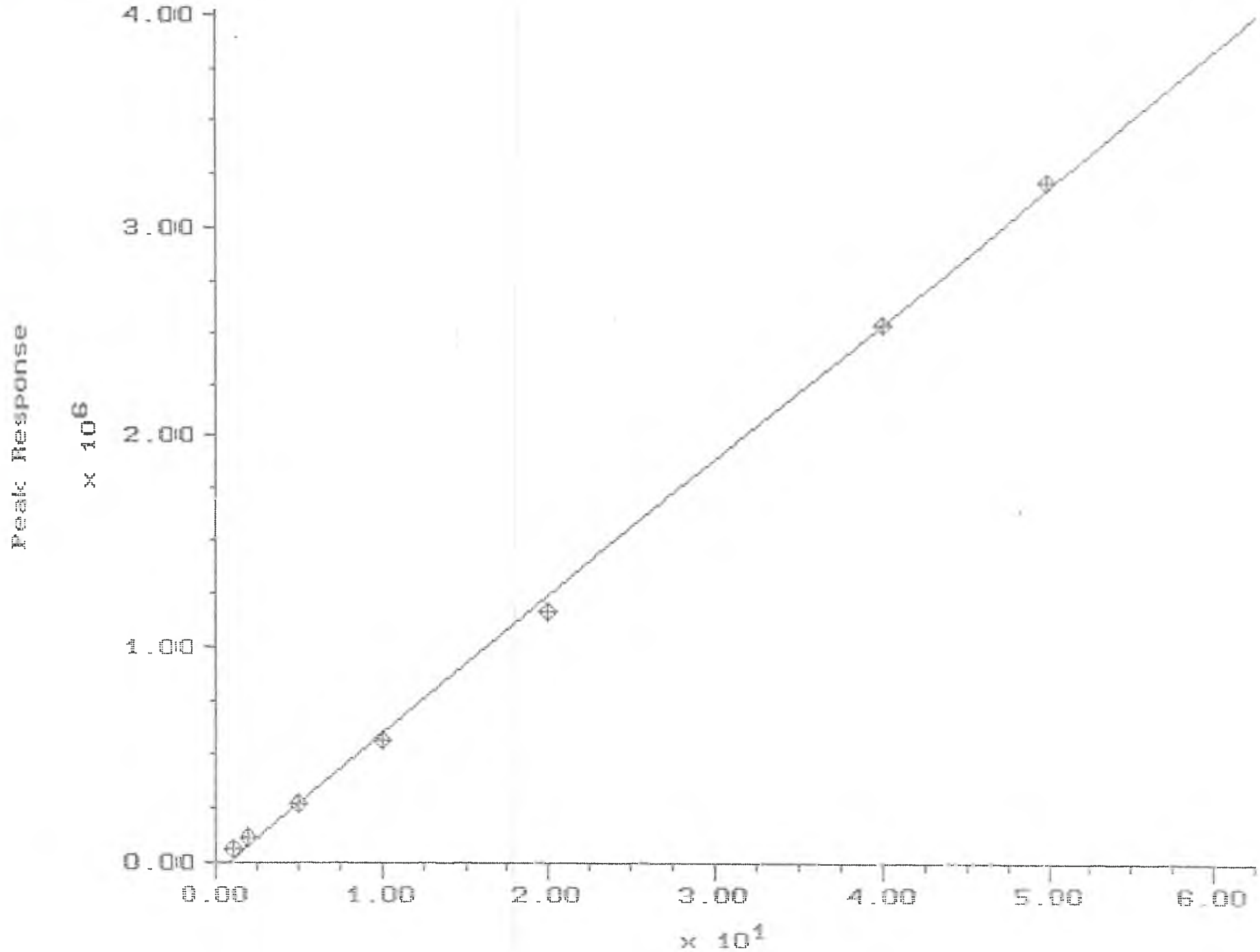
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9995813

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9991628

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 5.128773E-01 + 2.414948E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
PEST-049	94121912	Y	1.000000E+00	4.3107277E+04	1.553896E+00	-3.56E+01	2.319794E-05
PEST-048	94121913	Y	2.000000E+00	7.7700625E+04	2.389307E+00	-1.63E+01	2.573982E-05
PEST-047	94121914	Y	5.000000E+00	1.8598678E+05	5.004361E+00	-8.71E-02	2.688363E-05
PEST-046	94121915	Y	1.000000E+01	3.7770812E+05	9.634331E+00	3.80E+00	2.647547E-05
;/l pest038	94121916	Y	2.000000E+01	7.6534106E+05	1.899546E+01	5.29E+00	2.613214E-05
;/l pest045	94121917	Y	4.000000E+01	1.6298910E+06	3.987389E+01	3.16E-01	2.454152E-05
PEST-044	94121918	Y	5.000000E+01	2.0719234E+06	5.054875E+01	-1.09E+00	2.413217E-05


Peak Response
x 10^6
4.00
3.00
2.00
1.00
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

A-BHC 1701 Calibration Report

Printed: 20-DEC-1994 11:41:08

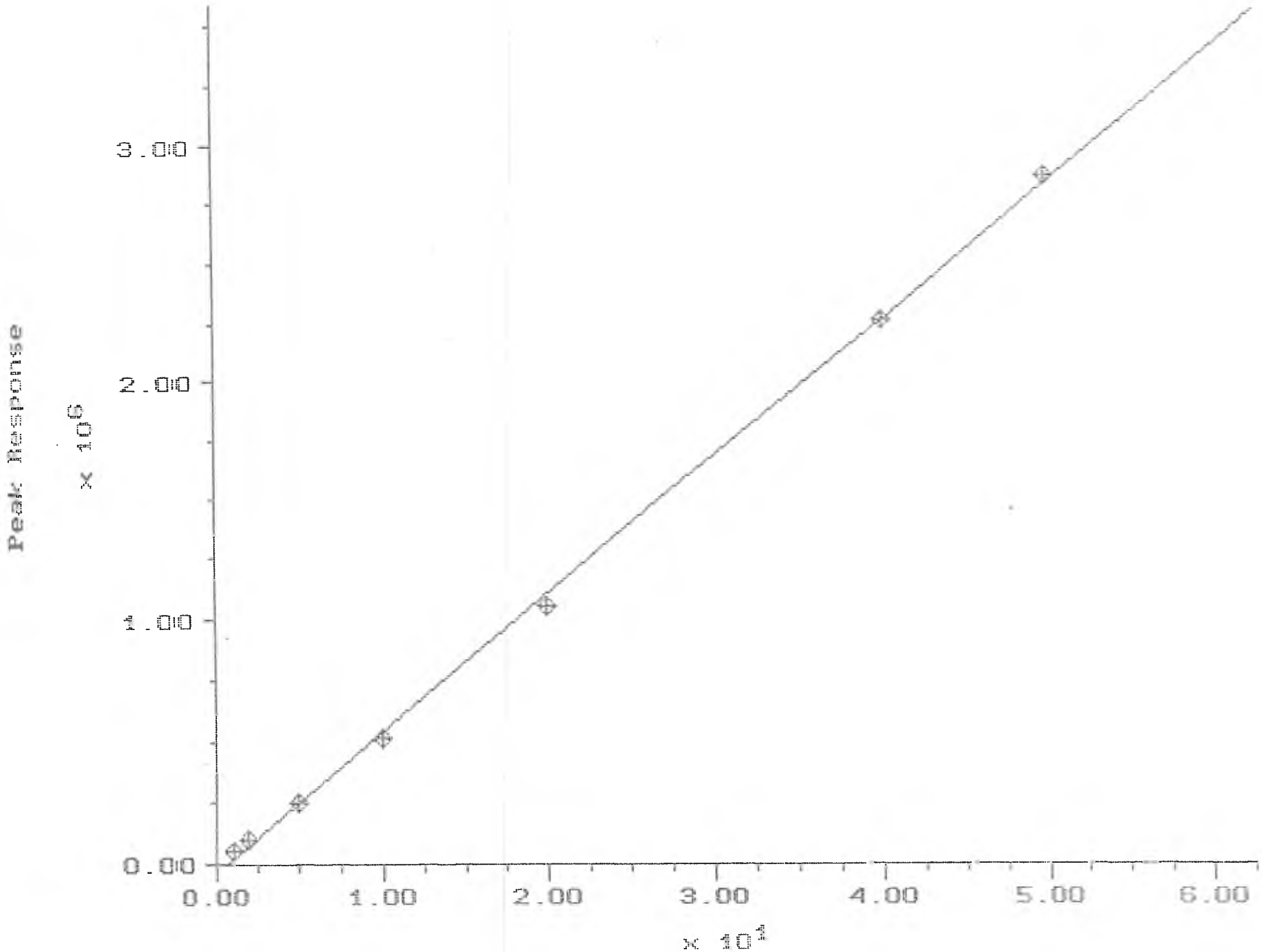
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9994372

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9988746

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 7.492858E-01 + 1.547444E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
) PEST-049	94121912	Y	1.000000E+00	5.7872543E+04	1.644831E+00	-3.92E+01	1.727935E-05
) PEST-048	94121913	Y	2.000000E+00	1.1498155E+05	2.528561E+00	-2.09E+01	1.739410E-05
) PEST-047	94121914	Y	5.000000E+00	2.7326409E+05	4.977895E+00	4.44E-01	1.829732E-05
PEST-046	94121915	Y	1.000000E+01	5.6271562E+05	9.456996E+00	5.74E+00	1.777097E-05
ıg/l pest038	94121916	Y	2.000000E+01	1.1700691E+06	1.885545E+01	6.07E+00	1.709301E-05
:g/l pest045	94121917	Y	4.000000E+01	2.5370280E+06	4.000838E+01	-2.09E-02	1.576648E-05
PEST-044	94121918	Y	5.000000E+01	3.2168275E+06	5.052789E+01	-1.04E+00	1.554326E-05


Peak Response
x 10^6
3.00
2.00
1.00
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

LINDANE 1701 Calibration Report

Printed: 20-DEC-1994 11:41:18

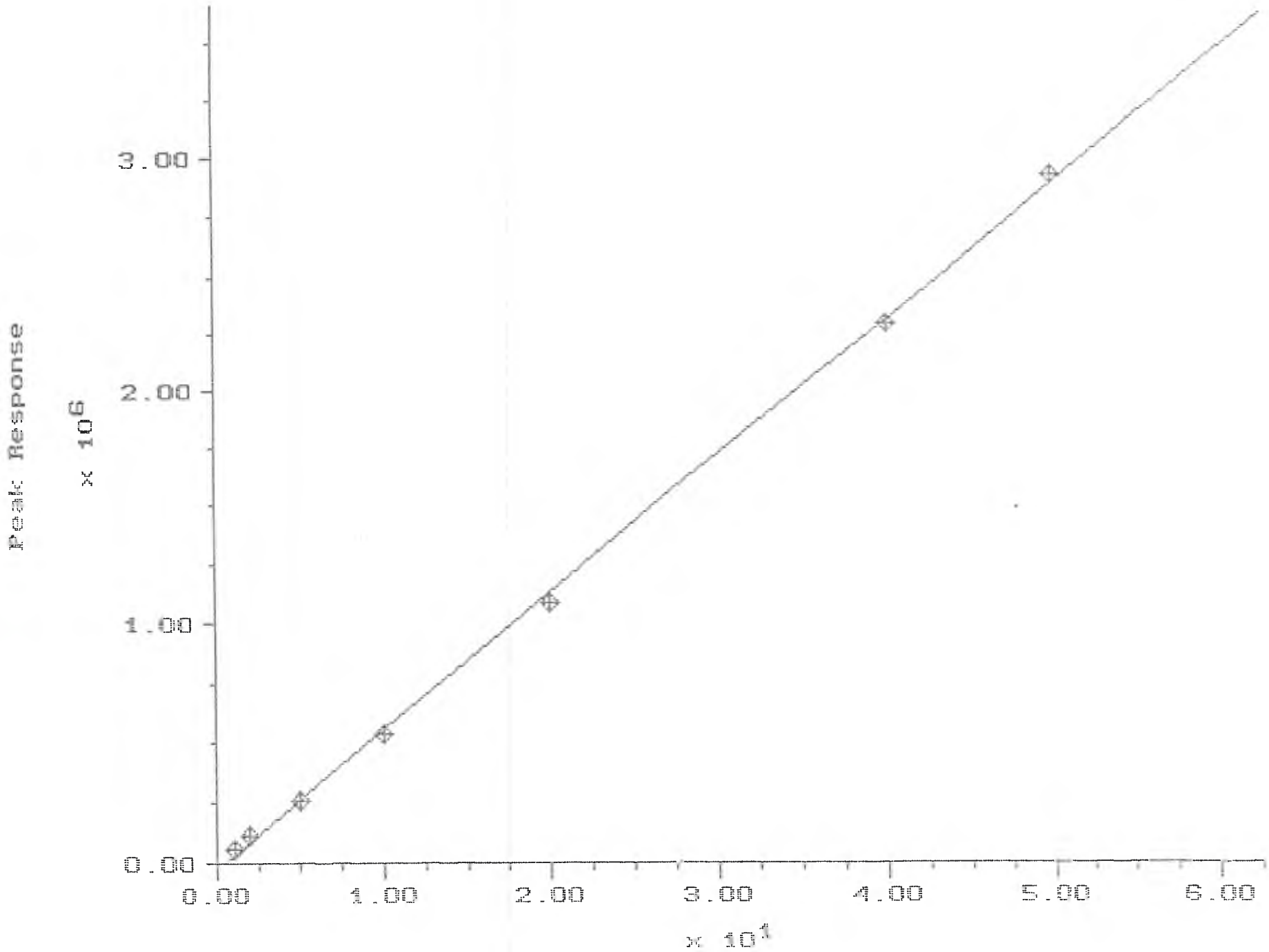
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9995717

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9991437

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 6.403074E-01 + 1.737419E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
PEST-049	94121912	Y	1.000000E+00	5.3802738E+04	1.575087E+00	-3.65E+01	1.858641E-05
PEST-048	94121913	Y	2.000000E+00	1.0327490E+05	2.434626E+00	-1.79E+01	1.936579E-05
PEST-047	94121914	Y	5.000000E+00	2.4975483E+05	4.979596E+00	4.10E-01	2.001963E-05
PEST-046	94121915	Y	1.000000E+01	5.1319725E+05	9.556696E+00	4.64E+00	1.948569E-05
/l pest038	94121916	Y	2.000000E+01	1.0569621E+06	1.900417E+01	5.24E+00	1.892215E-05
/l pest045	94121917	Y	4.000000E+01	2.2624407E+06	3.994839E+01	1.29E-01	1.768002E-05
PEST-044	94121918	Y	5.000000E+01	2.8698382E+06	5.050143E+01	-9.93E-01	1.742258E-05


Peak Response
x 10^6
3.00
2.00
1.00
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

HEPTACHLOR 1701 Calibration Report

Printed: 20-DEC-1994 11:41:29

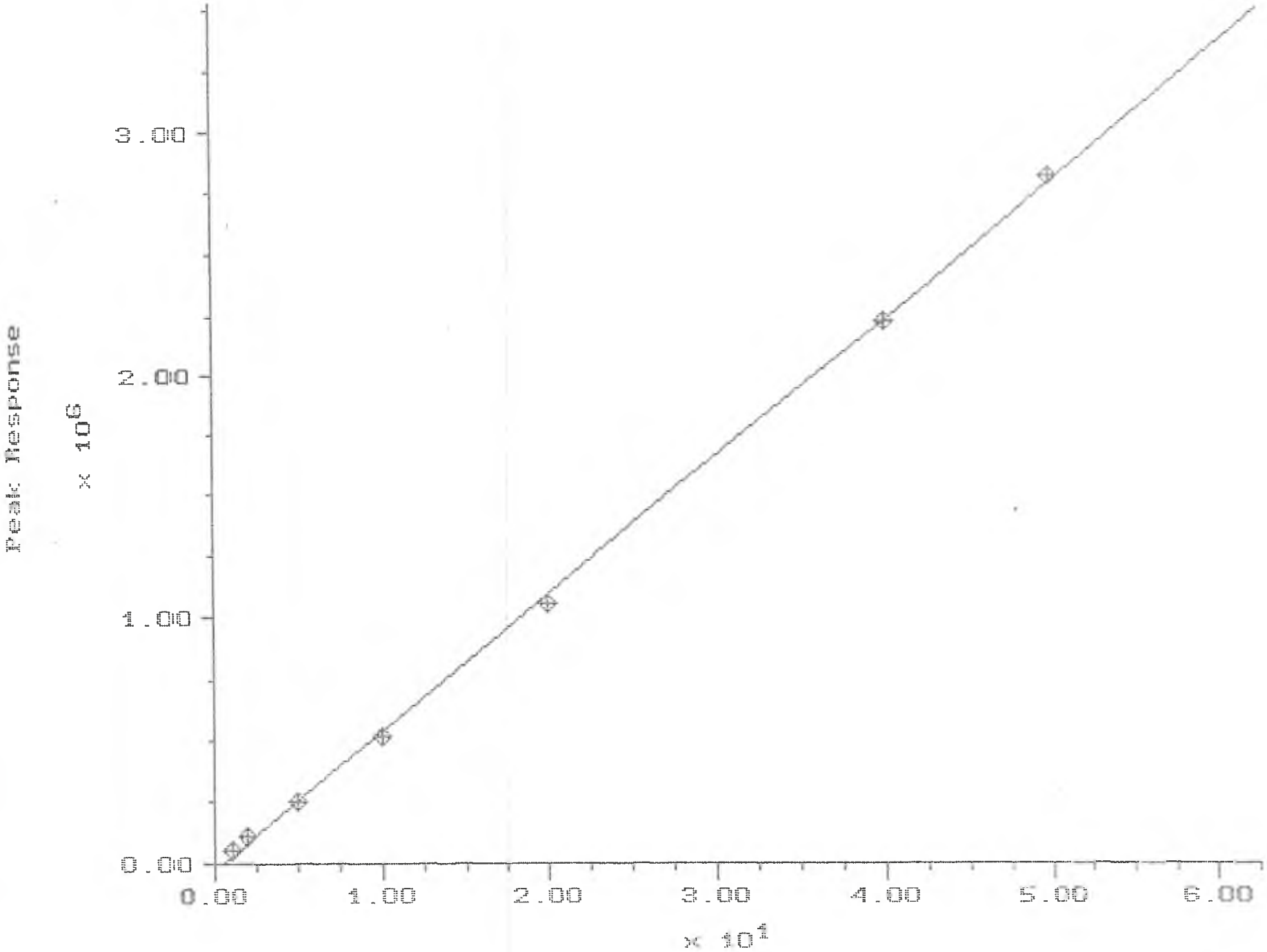
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9996063

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9992127

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 5.530283E-01 + 1.706442E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
) PEST-049	94121912	Y	1.000000E+00	5.6875656E+04	1.523579E+00	-3.44E+01	1.758221E-05
) PEST-048	94121913	Y	2.000000E+00	1.1017682E+05	2.433132E+00	-1.78E+01	1.815264E-05
) PEST-047	94121914	Y	5.000000E+00	2.5803331E+05	4.956218E+00	8.83E-01	1.937734E-05
PEST-046	94121915	Y	1.000000E+01	5.3133137E+05	9.619892E+00	3.95E+00	1.882065E-05
g/l pest038	94121916	Y	2.000000E+01	1.0862614E+06	1.908945E+01	4.77E+00	1.841177E-05
g/l pest045	94121917	Y	4.000000E+01	2.3001942E+06	3.980452E+01	4.91E-01	1.738984E-05
PEST-044	94121918	Y	5.000000E+01	2.9312550E+06	5.057320E+01	-1.13E+00	1.705754E-05


Peak Response
x 10^6
3.00
2.00
1.00
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^4

ALDRIN 1701 Calibration Report

Printed: 20-DEC-1994 11:41:39

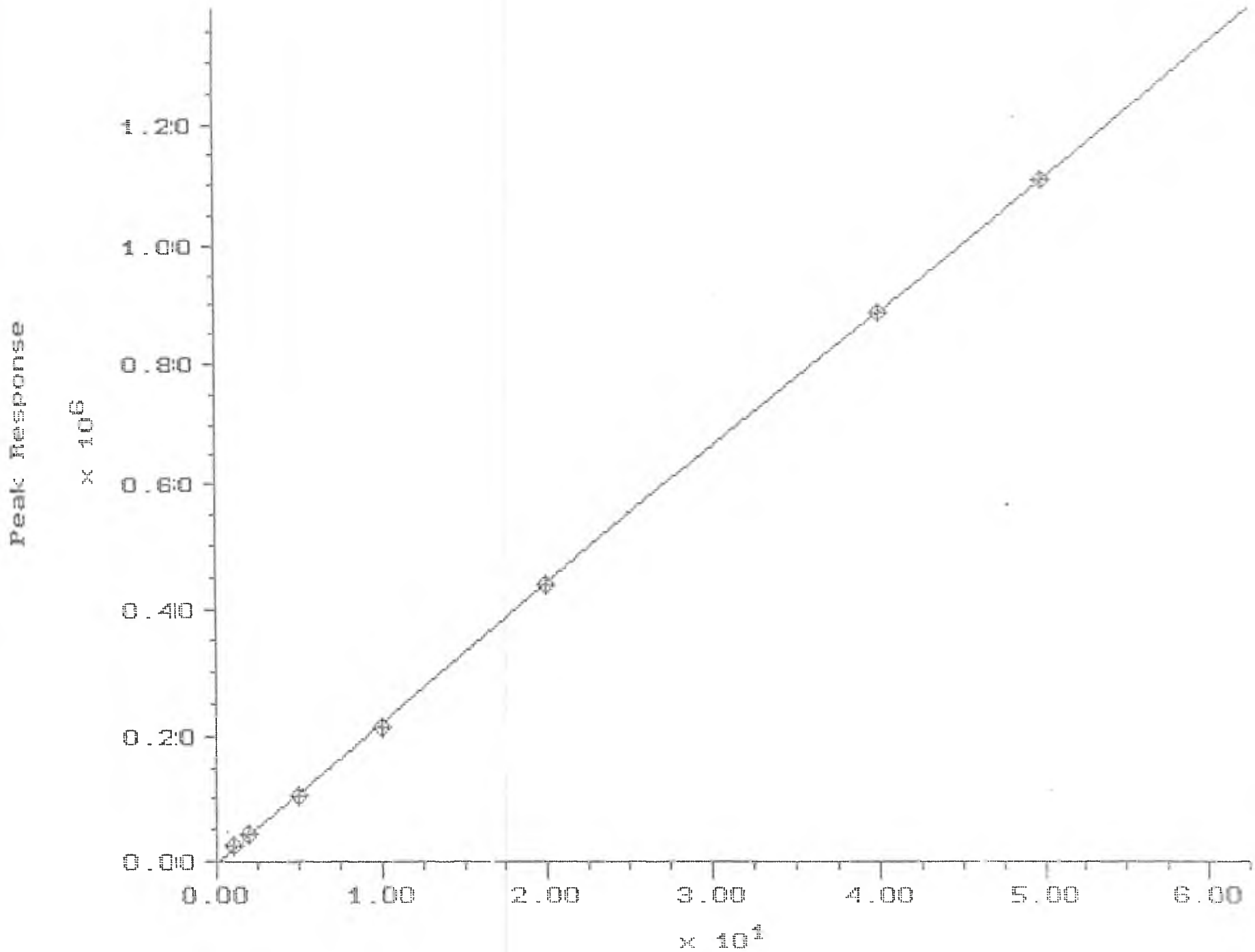
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9997306

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9994614

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 5.055752E-01 + 1.770131E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0 PEST-049	94121912	Y	1.000000E+00	5.3779191E+04	1.457537E+00	-3.14E+01	1.859455E-05
0 PEST-048	94121913	Y	2.000000E+00	1.0594906E+05	2.381012E+00	-1.60E+01	1.887700E-05
0 PEST-047	94121914	Y	5.000000E+00	2.5040511E+05	4.938073E+00	1.25E+00	1.996764E-05
PEST-046	94121915	Y	1.000000E+01	5.1510550E+05	9.623615E+00	3.91E+00	1.941350E-05
ug/l pest038	94121916	Y	2.000000E+01	1.0606344E+06	1.928019E+01	3.73E+00	1.885664E-05
ug/l pest045	94121917	Y	4.000000E+01	2.2239755E+06	3.987285E+01	3.19E-01	1.798581E-05
PEST-044	94121918	Y	5.000000E+01	2.8213255E+06	5.044672E+01	-8.86E-01	1.772217E-05


Peak Response
x 10^6
1.20
1.00
0.80
0.60
0.40
0.20
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

B-BHC 1701 Calibration Report

Printed: 20-DEC-1994 11:41:49

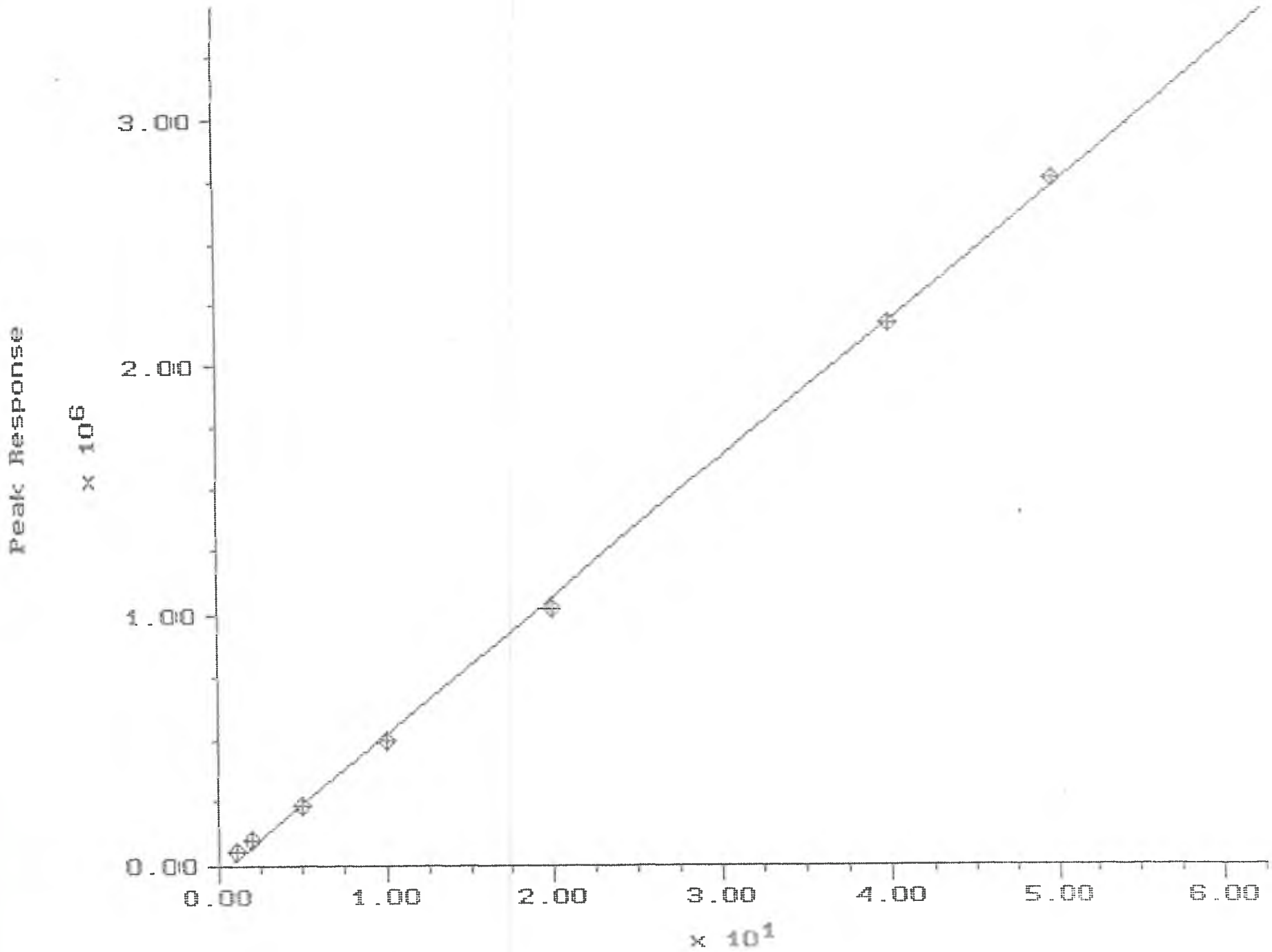
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9999568

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9999137

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 1.857648E-01 + 4.496065E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	2.4956469E+04	1.307824E+00	-2.35E+01	4.006977E-05
.0 PEST-048	94121913	Y	2.000000E+00	4.2373844E+04	2.090920E+00	-4.35E+00	4.719893E-05
.0 PEST-047	94121914	Y	5.000000E+00	1.0332884E+05	4.831496E+00	3.49E+00	4.838920E-05
) PEST-046	94121915	Y	1.000000E+01	2.1374080E+05	9.795689E+00	2.09E+00	4.678564E-05
)ug/l pest038	94121916	Y	2.000000E+01	4.3778784E+05	1.986899E+01	6.59E-01	4.568423E-05
)ug/l pest045	94121917	Y	4.000000E+01	8.8606431E+05	4.002379E+01	-5.94E-02	4.514345E-05
) PEST-044	94121918	Y	5.000000E+01	1.1097600E+06	5.008129E+01	-1.62E-01	4.505479E-05


Peak Response
x 10^6
3.00
2.00
1.00
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

D-BHC

1701 Calibration Report

Printed: 20-DEC-1994 11:41:58

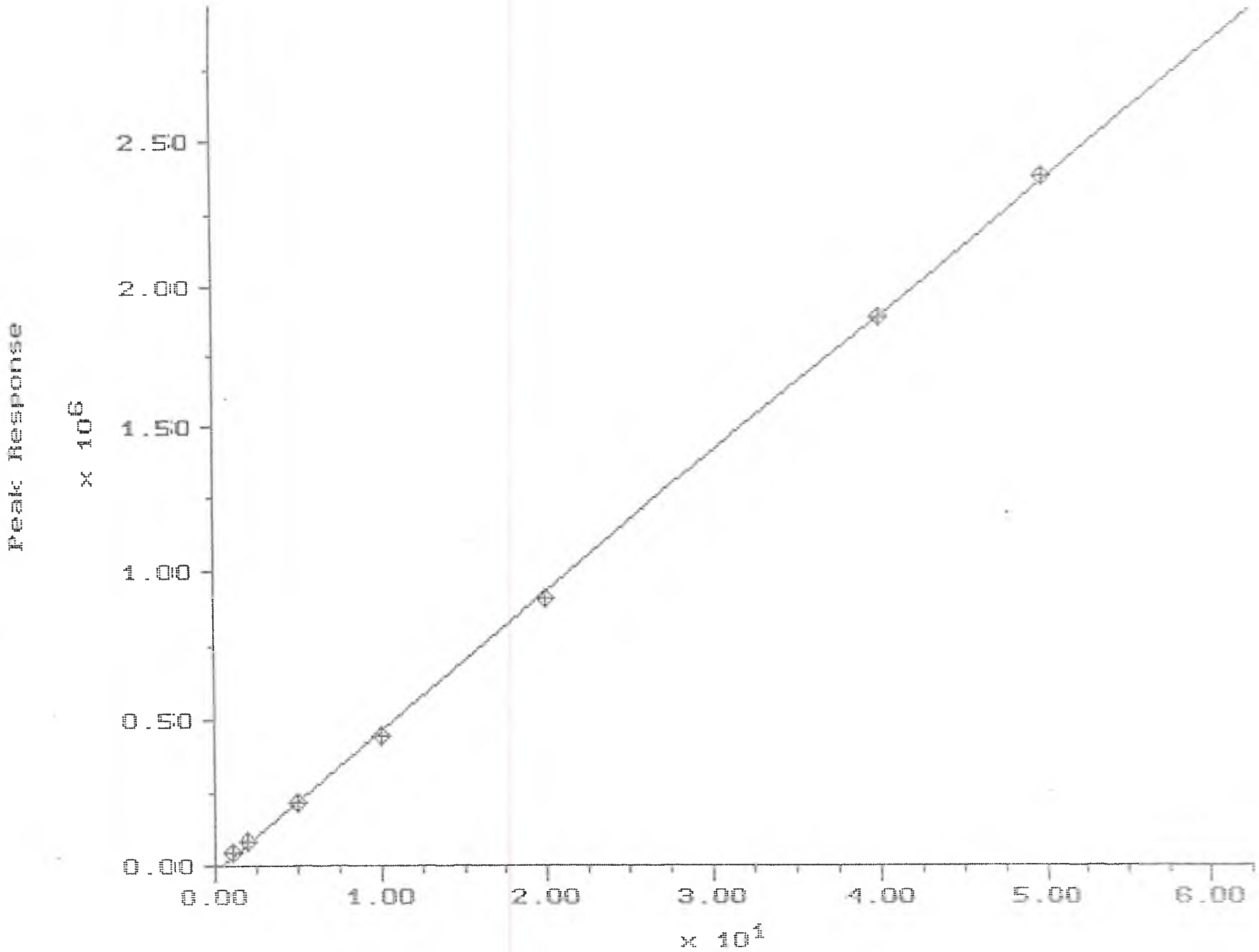
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9996296

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9992593

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 6.427839E-01 + 1.805035E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0 PEST-049	94121912	Y	1.000000E+00	5.0492293E+04	1.554188E+00	-3.57E+01	1.980500E-05
0 PEST-048	94121913	Y	2.000000E+00	9.7737328E+04	2.406977E+00	-1.69E+01	2.046301E-05
0 PEST-047	94121914	Y	5.000000E+00	2.3871008E+05	4.951585E+00	9.78E-01	2.094591E-05
PEST-046	94121915	Y	1.000000E+01	4.9451059E+05	9.568875E+00	4.51E+00	2.022201E-05
ug/l pest038	94121916	Y	2.000000E+01	1.0247292E+06	1.913951E+01	4.50E+00	1.951735E-05
ug/l pest045	94121917	Y	4.000000E+01	2.1723702E+06	3.985484E+01	3.64E-01	1.841307E-05
PEST-044	94121918	Y	5.000000E+01	2.7634500E+06	5.052403E+01	-1.04E+00	1.809333E-05


Peak Response
x 10^6
2.50
2.00
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

HEPT-EPOX 1701 Calibration Report

Printed: 20-DEC-1994 11:42:08

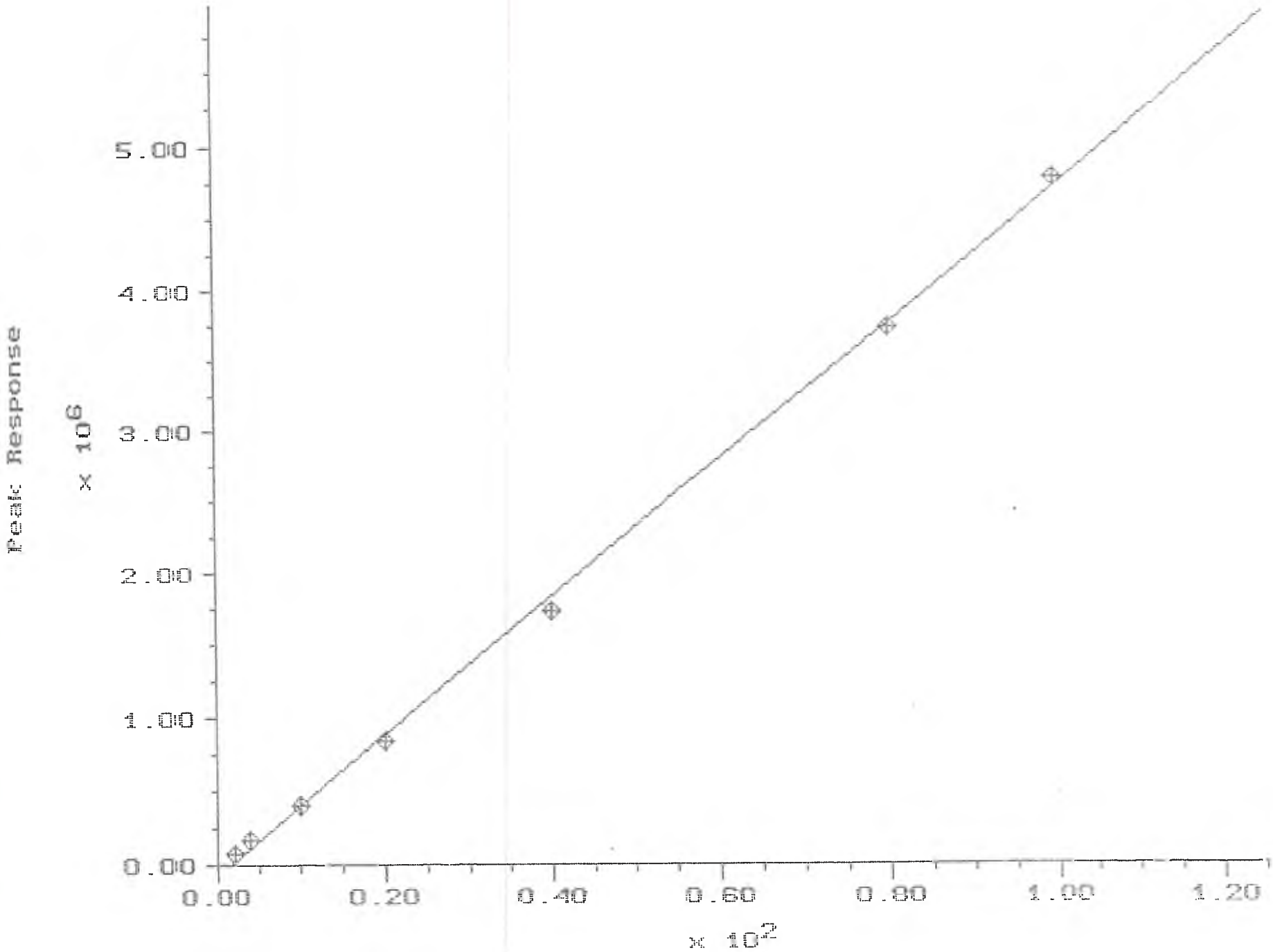
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9998376

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9996753

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 4.094501E-01 + 2.094729E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
PEST-049	94121912	Y	1.000000E+00	4.6564348E+04	1.384847E+00	-2.78E+01	2.147566E-05
PEST-048	94121913	Y	2.000000E+00	8.9332477E+04	2.280723E+00	-1.23E+01	2.238827E-05
PEST-047	94121914	Y	5.000000E+00	2.1529975E+05	4.919395E+00	1.64E+00	2.322344E-05
PEST-046	94121915	Y	1.000000E+01	4.4487722E+05	9.728420E+00	2.79E+00	2.247811E-05
g/l pest038	94121916	Y	2.000000E+01	9.0773594E+05	1.942405E+01	2.97E+00	2.203284E-05
g/l pest045	94121917	Y	4.000000E+01	1.8873187E+06	3.994365E+01	1.41E-01	2.119409E-05
PEST-044	94121918	Y	5.000000E+01	2.3826215E+06	5.031890E+01	-6.34E-01	2.098529E-05


Peak Response
x 10^6
5.00
4.00
3.00
2.00
1.00
0.00
0.00
0.20
0.40
0.60
0.80
1.00
1.20
x 10^2

ENDOI+G-CH 1701 Calibration Report

Printed: 20-DEC-1994 11:42:19

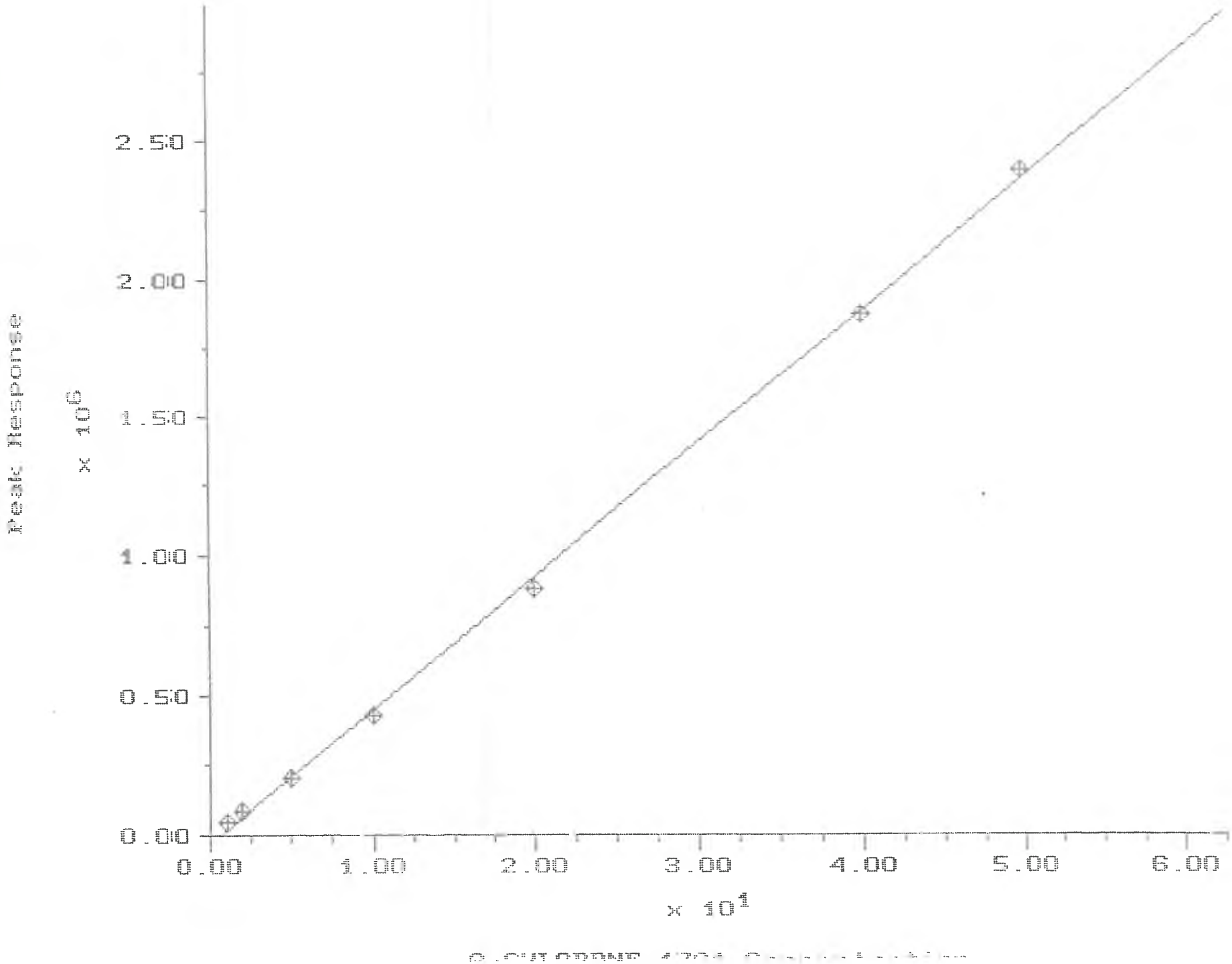
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9993992

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9987987

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 1.557711E+00 + 2.087490E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	2.000000E+00	8.2446352E+04	3.278771E+00	-3.90E+01	2.425820E-05
.0 PEST-048	94121913	Y	4.000000E+00	1.6597155E+05	5.022351E+00	-2.04E+01	2.410052E-05
.0 PEST-047	94121914	Y	1.000000E+01	4.0259219E+05	9.961783E+00	3.84E-01	2.483903E-05
) PEST-046	94121915	Y	2.000000E+01	8.4034844E+05	1.909990E+01	4.71E+00	2.379965E-05
)ug/l pest038	94121916	Y	4.000000E+01	1.7302932E+06	3.767741E+01	6.16E+00	2.311747E-05
;ug/l pest045	94121917	Y	8.000000E+01	3.7369840E+06	7.956688E+01	5.44E-01	2.140764E-05
` PEST-044	94121918	Y	1.000000E+02	4.7825470E+06	1.013929E+02	-1.37E+00	2.090936E-05


Peak Response
x 10^6
2.50
2.00
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

A-CHLORDNE 1701 Calibration Report

Printed: 20-DEC-1994 11:42:29

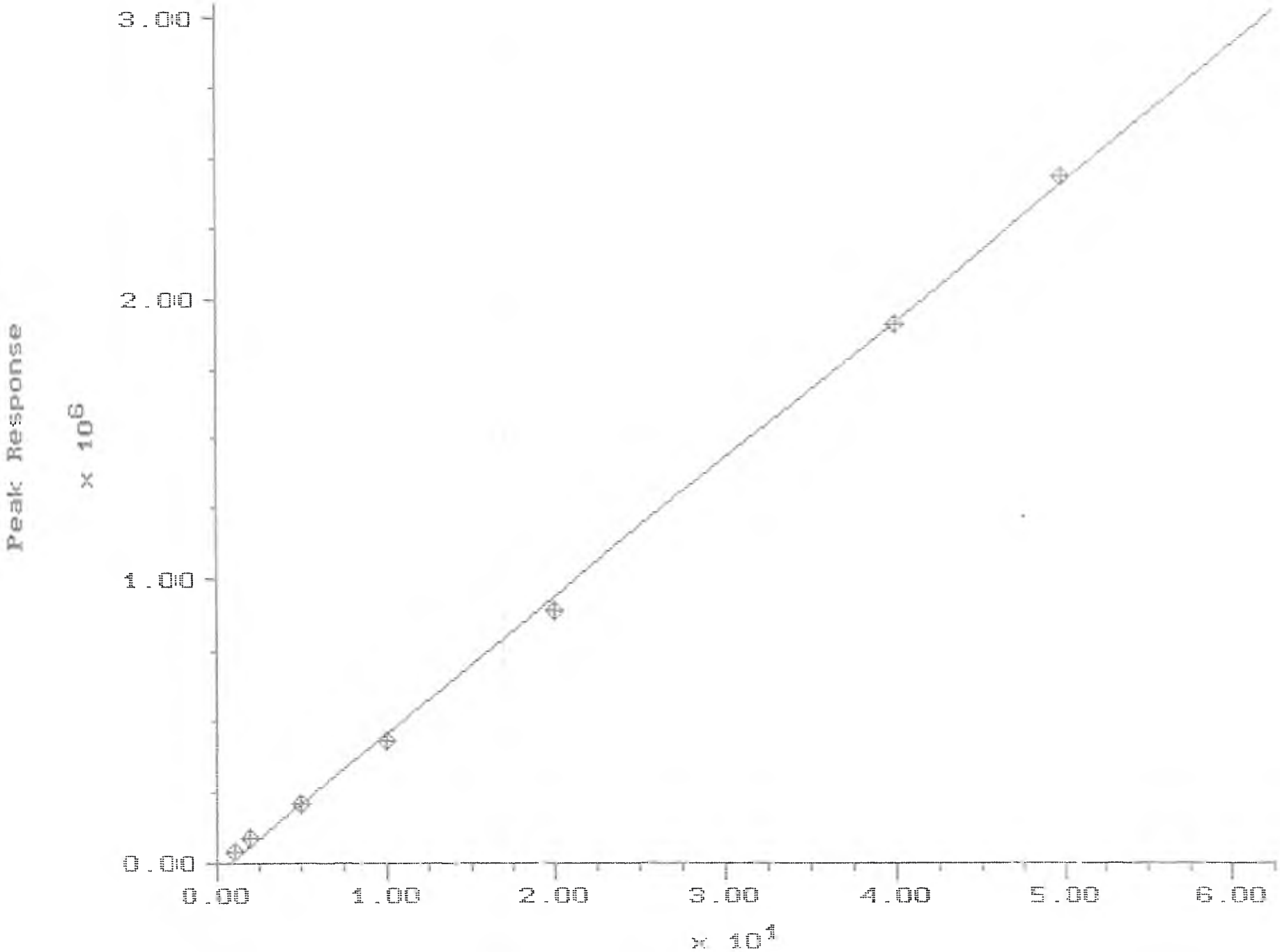
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9996130

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9992261

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 6.327896E-01 + 2.087723E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	4.3345398E+04	1.537721E+00	-3.50E+01	2.307050E-05
.0 PEST-048	94121913	Y	2.000000E+00	8.4661555E+04	2.400288E+00	-1.67E+01	2.362347E-05
.0 PEST-047	94121914	Y	5.000000E+00	2.0676675E+05	4.949506E+00	1.02E+00	2.418184E-05
) PEST-046	94121915	Y	1.000000E+01	4.3154812E+05	9.642318E+00	3.71E+00	2.317239E-05
)ug/l pest038	94121916	Y	2.000000E+01	8.8511244E+05	1.911148E+01	4.65E+00	2.259600E-05
)ug/l pest045	94121917	Y	4.000000E+01	1.8745061E+06	3.976728E+01	5.85E-01	2.133895E-05
) PEST-044	94121918	Y	5.000000E+01	2.3929715E+06	5.059140E+01	-1.17E+00	2.089452E-05


Peak Response
x 10^6
3.00
2.00
1.00
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^4

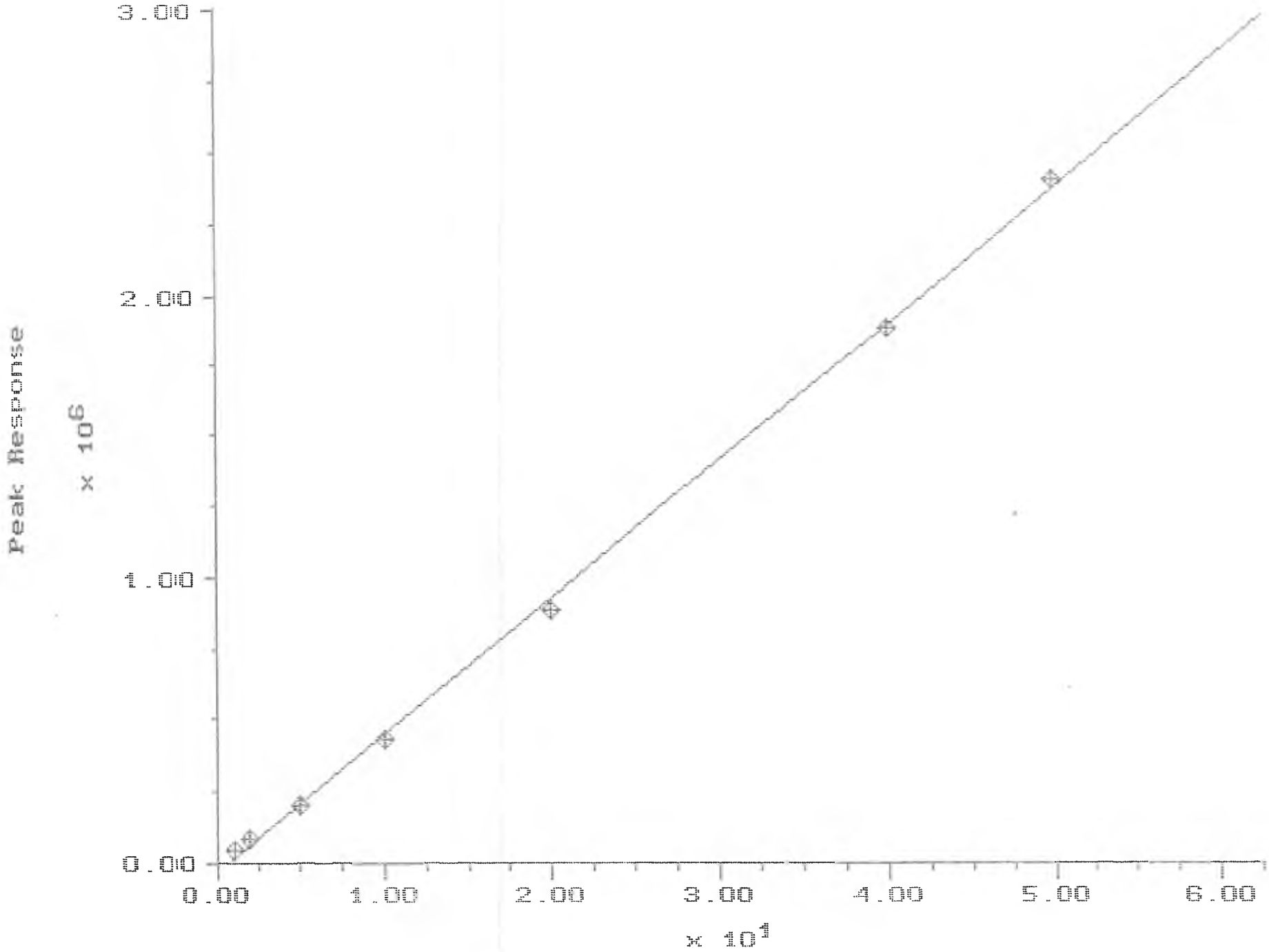
DDE 1701 Calibration Report

Printed: 20-DEC-1994 11:42:38

Quant Basis: Area
Rejection Tolerance: None
Internal Standard: None
Curve Type: Linear
Weighting: None
Forced Through Origin: No
Y-axis Label: Response
Corr. Coef. (r): 0.9994868
Coef. of Determination (r^2): 0.9989739

Equation: Conc = 7.466652E-01 + 2.045102E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
1.0 PEST-049	94121912	Y	1.000000E+00	4.3382055E+04	1.633872E+00	-3.88E+01	2.305101E-05
2.0 PEST-048	94121913	Y	2.000000E+00	8.4215414E+04	2.468956E+00	-1.90E+01	2.374862E-05
5.0 PEST-047	94121914	Y	5.000000E+00	2.0405712E+05	4.919841E+00	1.63E+00	2.450294E-05
10 PEST-046	94121915	Y	1.000000E+01	4.3314047E+05	9.604829E+00	4.11E+00	2.308720E-05
20ug/l pest038	94121916	Y	2.000000E+01	8.8753950E+05	1.889775E+01	5.83E+00	2.253421E-05
0ug/l pest045	94121917	Y	4.000000E+01	1.9140612E+06	3.989117E+01	2.73E-01	2.089797E-05
50 PEST-044	94121918	Y	5.000000E+01	2.4368912E+06	5.058358E+01	-1.15E+00	2.051794E-05


Peak Response
x 10^6
3.00
2.00
1.00
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

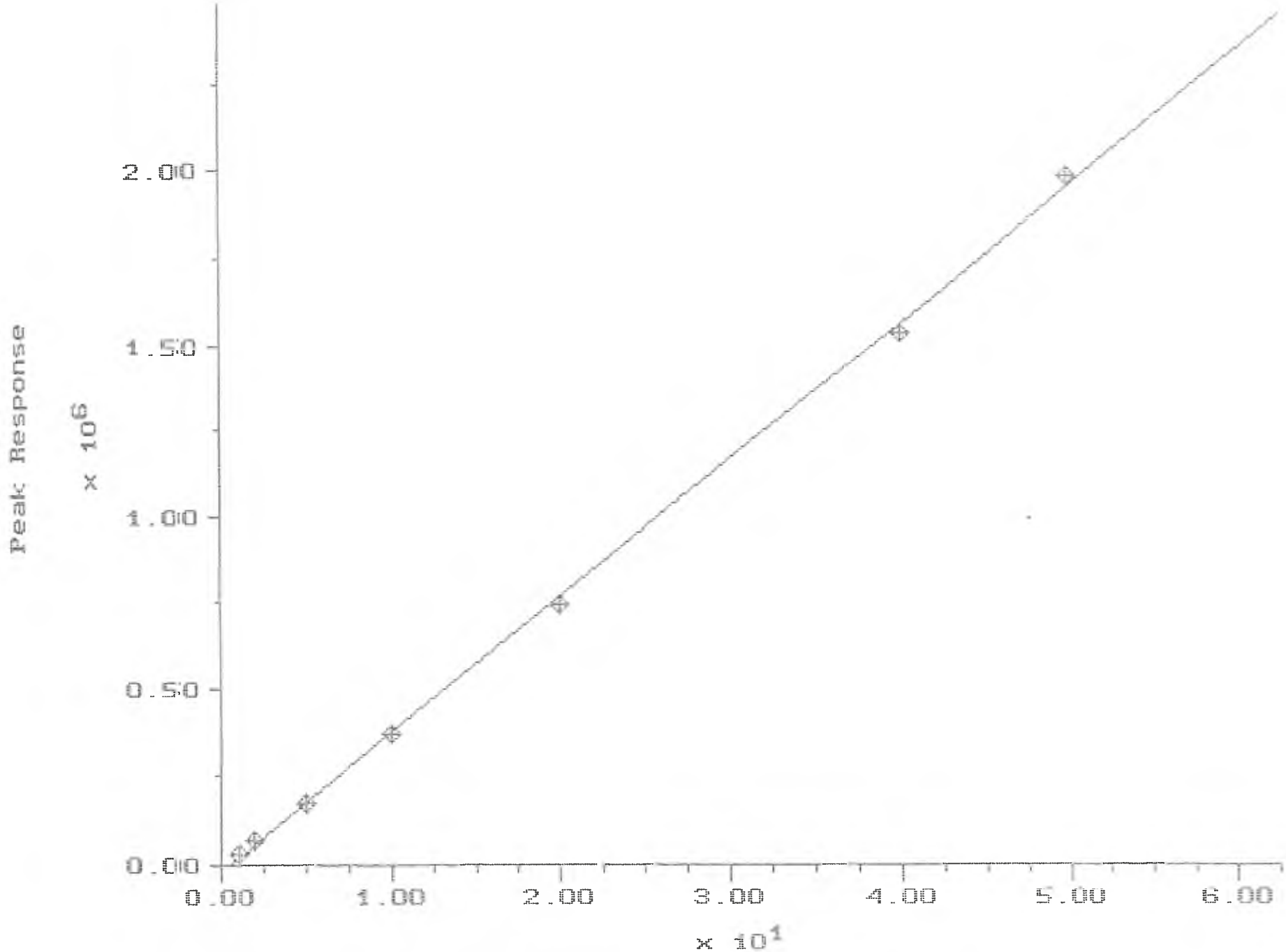
DIELDRIN 1701 Calibration Report

Printed: 20-DEC-1994 11:42:49

Quant Basis: Area
Rejection Tolerance: None
Internal Standard: None
Curve Type: Linear
Weighting: None
Forced Through Origin: No
Y-axis Label: Response
Corr. Coef. (r): 0.9995571
Coef. of Determination (r^2): 0.9991145

Equation: Conc = 6.788197E-01 + 2.071642E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	4.4243937E+04	1.595396E+00	-3.73E+01	2.260197E-05
.0 PEST-048	94121913	Y	2.000000E+00	8.4467539E+04	2.428685E+00	-1.77E+01	2.367773E-05
.0 PEST-047	94121914	Y	5.000000E+00	2.0521108E+05	4.930060E+00	1.42E+00	2.436516E-05
) PEST-046	94121915	Y	1.000000E+01	4.3082600E+05	9.603994E+00	4.12E+00	2.321123E-05
0ug/l pest038	94121916	Y	2.000000E+01	8.8661681E+05	1.904635E+01	5.01E+00	2.255766E-05
)ug/l pest045	94121917	Y	4.000000E+01	1.8876690E+06	3.978457E+01	5.41E-01	2.119016E-05
) PEST-044	94121918	Y	5.000000E+01	2.4102672E+06	5.061094E+01	-1.21E+00	2.074459E-05


Peak Response
x 10^6
2.00
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

ENDRIN 1701 Calibration Report

Printed: 20-DEC-1994 11:42:59

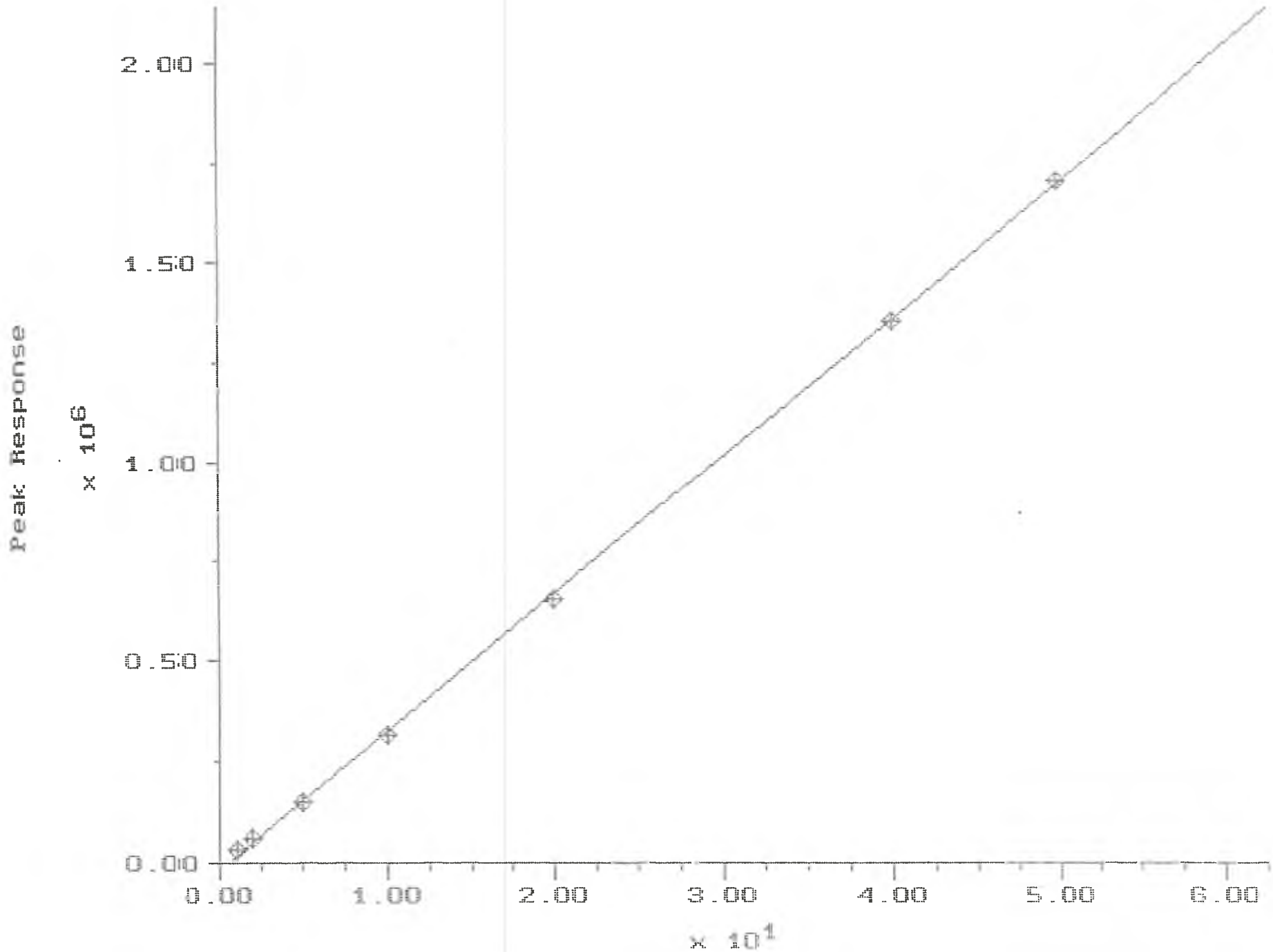
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9996682

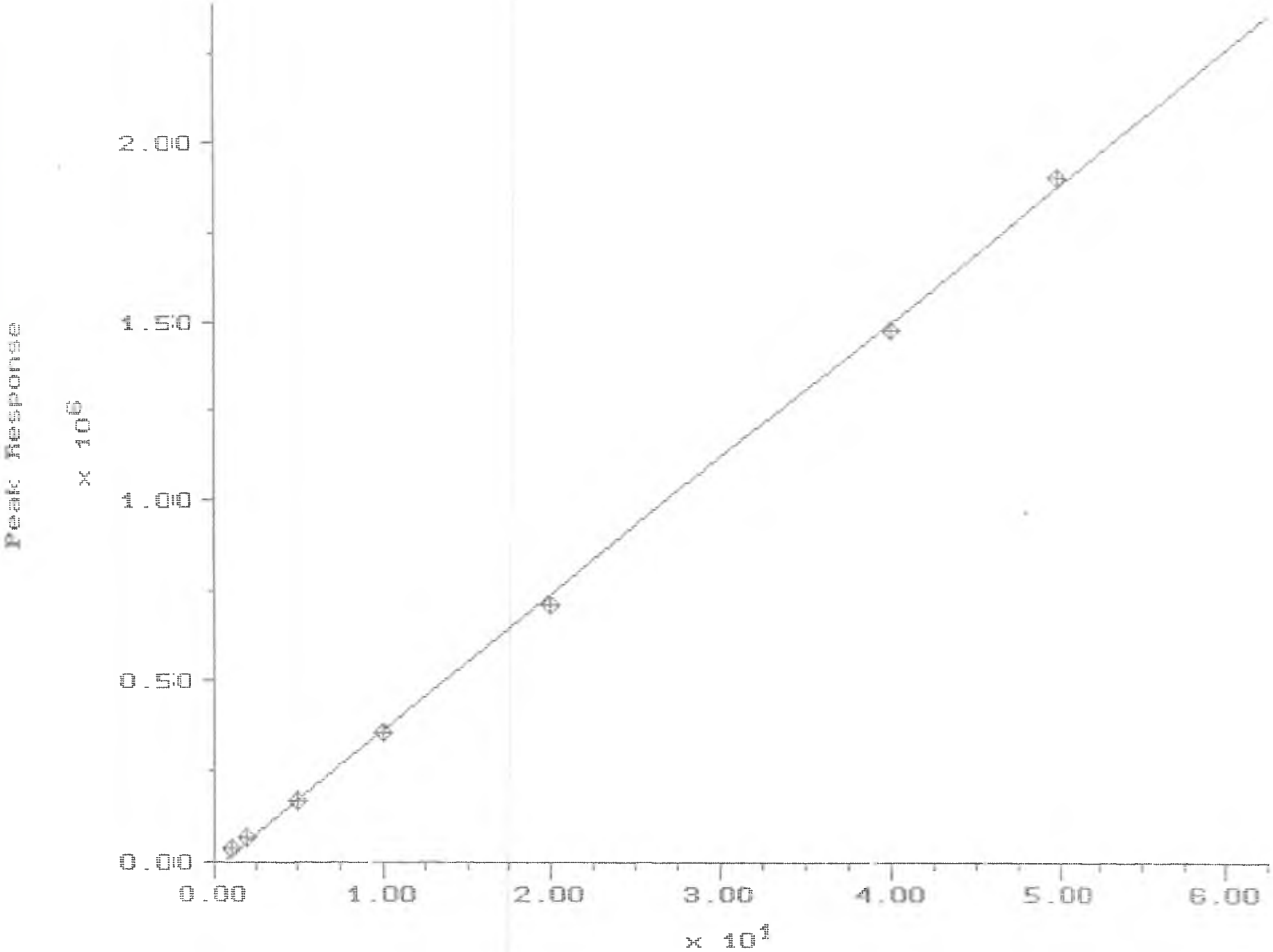
Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9993365

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 5.146970E-01 + 2.527328E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	3.4921473E+04	1.397277E+00	-2.84E+01	2.863568E-05
.0 PEST-048	94121913	Y	2.000000E+00	6.9254055E+04	2.264974E+00	-1.17E+01	2.887918E-05
.0 PEST-047	94121914	Y	5.000000E+00	1.7344417E+05	4.898201E+00	2.08E+00	2.882772E-05
) PEST-046	94121915	Y	1.000000E+01	3.7172381E+05	9.909378E+00	9.15E-01	2.690169E-05
)ug/l pest038	94121916	Y	2.000000E+01	7.4743344E+05	1.940479E+01	3.07E+00	2.675824E-05
)ug/l pest045	94121917	Y	4.000000E+01	1.5381052E+06	3.938767E+01	1.55E+00	2.600602E-05
) PEST-044	94121918	Y	5.000000E+01	1.9871977E+06	5.073771E+01	-1.45E+00	2.516106E-05


Peak Response
x 10^6
2.00
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1


Peak Response
x 10^6
2.00
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

ENDO II 1701 Calibration Report

Printed: 20-DEC-1994 11:43:20

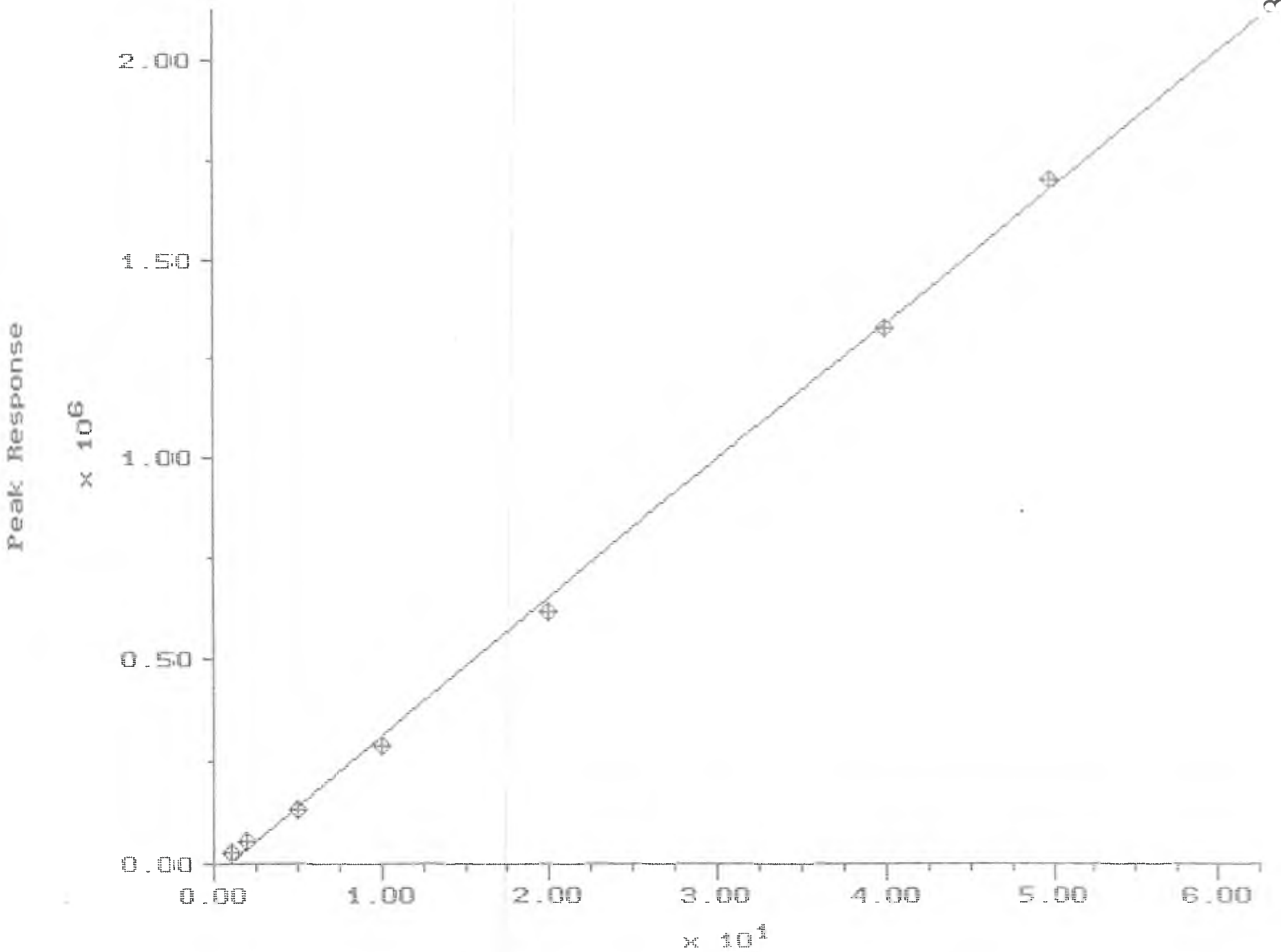
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9996005

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9992011

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 5.241383E-01 + 2.628903E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	3.4989422E+04	1.443976E+00	-3.07E+01	2.858007E-05
.0 PEST-048	94121913	Y	2.000000E+00	6.8553992E+04	2.326356E+00	-1.40E+01	2.917409E-05
.0 PEST-047	94121914	Y	5.000000E+00	1.6934039E+05	4.975933E+00	4.84E-01	2.952633E-05
0 PEST-046	94121915	Y	1.000000E+01	3.5421497E+05	9.836106E+00	1.67E+00	2.823144E-05
0ug/l pest038	94121916	Y	2.000000E+01	7.0953650E+05	1.917716E+01	4.29E+00	2.818742E-05
0ug/l pest045	94121917	Y	4.000000E+01	1.4822250E+06	3.949040E+01	1.29E+00	2.698646E-05
0 PEST-044	94121918	Y	5.000000E+01	1.9105282E+06	5.075007E+01	-1.48E+00	2.617077E-05


Peak Response
x 10^6
2.00
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

DDT

1701 Calibration Report

Printed: 20-DEC-1994 11:43:30

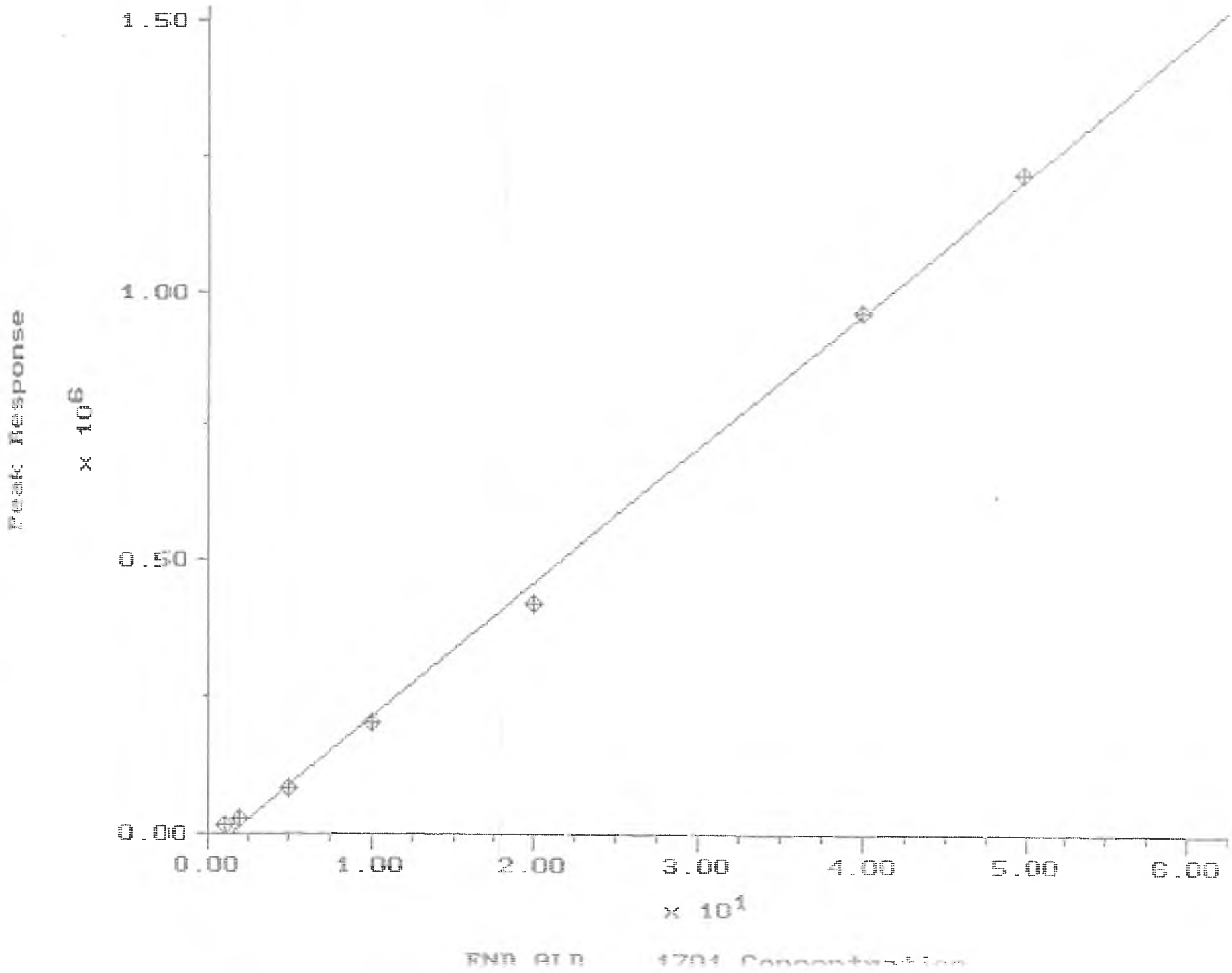
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9993990

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9987984

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 9.629745E-01 + 2.920564E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	2.7994518E+04	1.780572E+00	-4.38E+01	3.572128E-05
.0 PEST-048	94121913	Y	2.000000E+00	5.2816875E+04	2.505525E+00	-2.02E+01	3.786669E-05
.0 PEST-047	94121914	Y	5.000000E+00	1.3201656E+05	4.818602E+00	3.76E+00	3.787404E-05
) PEST-046	94121915	Y	1.000000E+01	2.9144112E+05	9.474698E+00	5.54E+00	3.431225E-05
)ug/l pest038	94121916	Y	2.000000E+01	6.1618931E+05	1.895918E+01	5.49E+00	3.245756E-05
)ug/l pest045	94121917	Y	4.000000E+01	1.3293894E+06	3.978864E+01	5.31E-01	3.008900E-05
) PEST-044	94121918	Y	5.000000E+01	1.7020621E+06	5.067278E+01	-1.33E+00	2.937613E-05


Peak Response
x 10^6
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1

END ALD 1701 Calibration Report

Printed: 20-DEC-1994 11:43:41

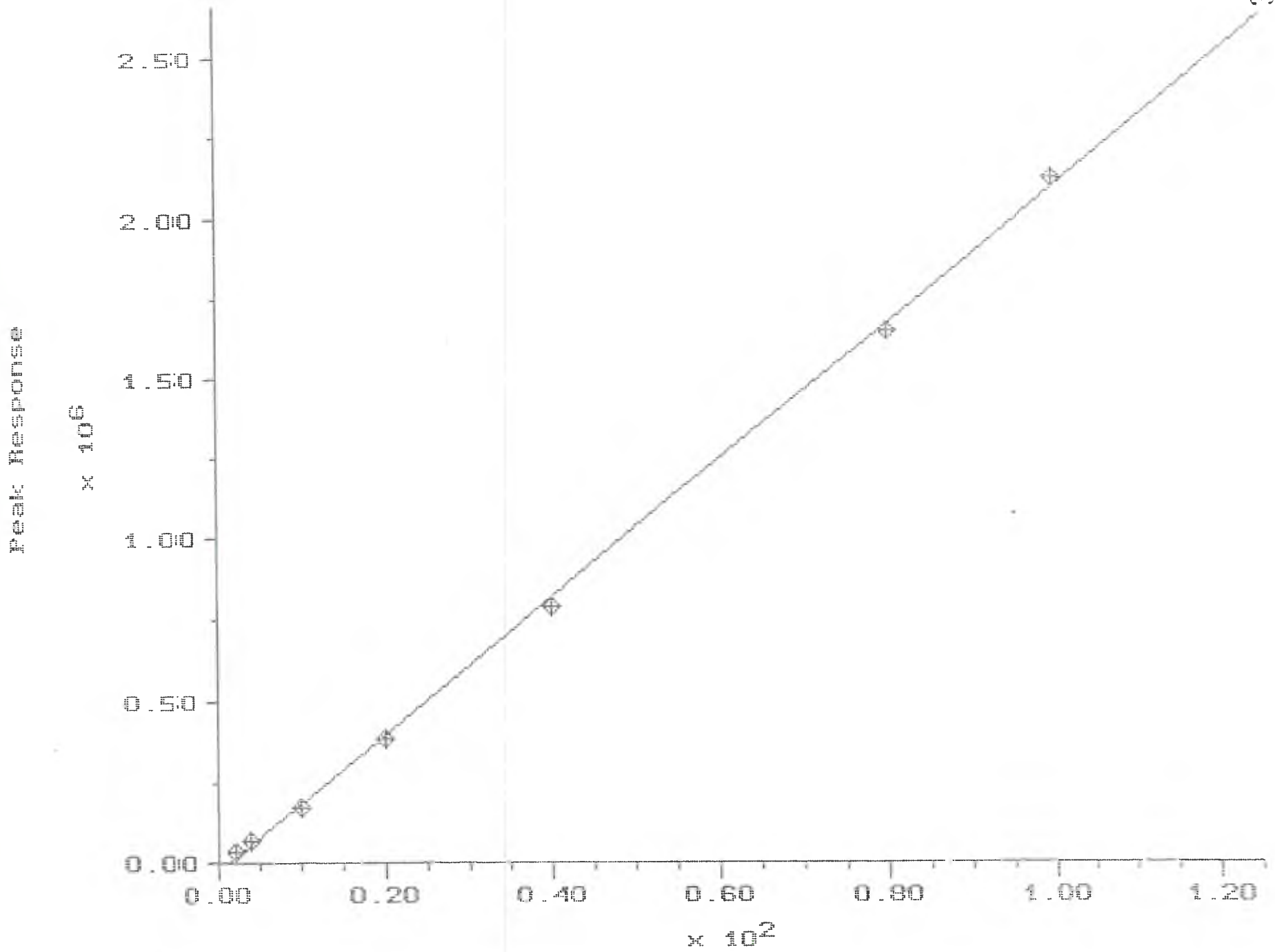
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9990971

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9981950

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 1.428450E+00 + 4.027425E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	1.4189483E+04	1.999921E+00	-5.00E+01	7.047473E-05
.0 PEST-048	94121913	Y	2.000000E+00	2.6470725E+04	2.494539E+00	-1.98E+01	7.555517E-05
.0 PEST-047	94121914	Y	5.000000E+00	8.2184086E+04	4.738352E+00	5.52E+00	6.083903E-05
) PEST-046	94121915	Y	1.000000E+01	2.0233753E+05	9.577442E+00	4.41E+00	4.942237E-05
)ug/l pest038	94121916	Y	2.000000E+01	4.2330747E+05	1.847684E+01	8.24E+00	4.724698E-05
)ug/l pest045	94121917	Y	4.000000E+01	9.6178781E+05	4.016373E+01	-4.08E-01	4.158921E-05
) PEST-044	94121918	Y	5.000000E+01	1.2196560E+06	5.054918E+01	-1.09E+00	4.099517E-05


Peak Response
x 10^6
2.50
2.00
1.50
1.00
0.50
0.00
0.00
0.20
0.40
0.60
0.80
1.00
1.20
x 10^2

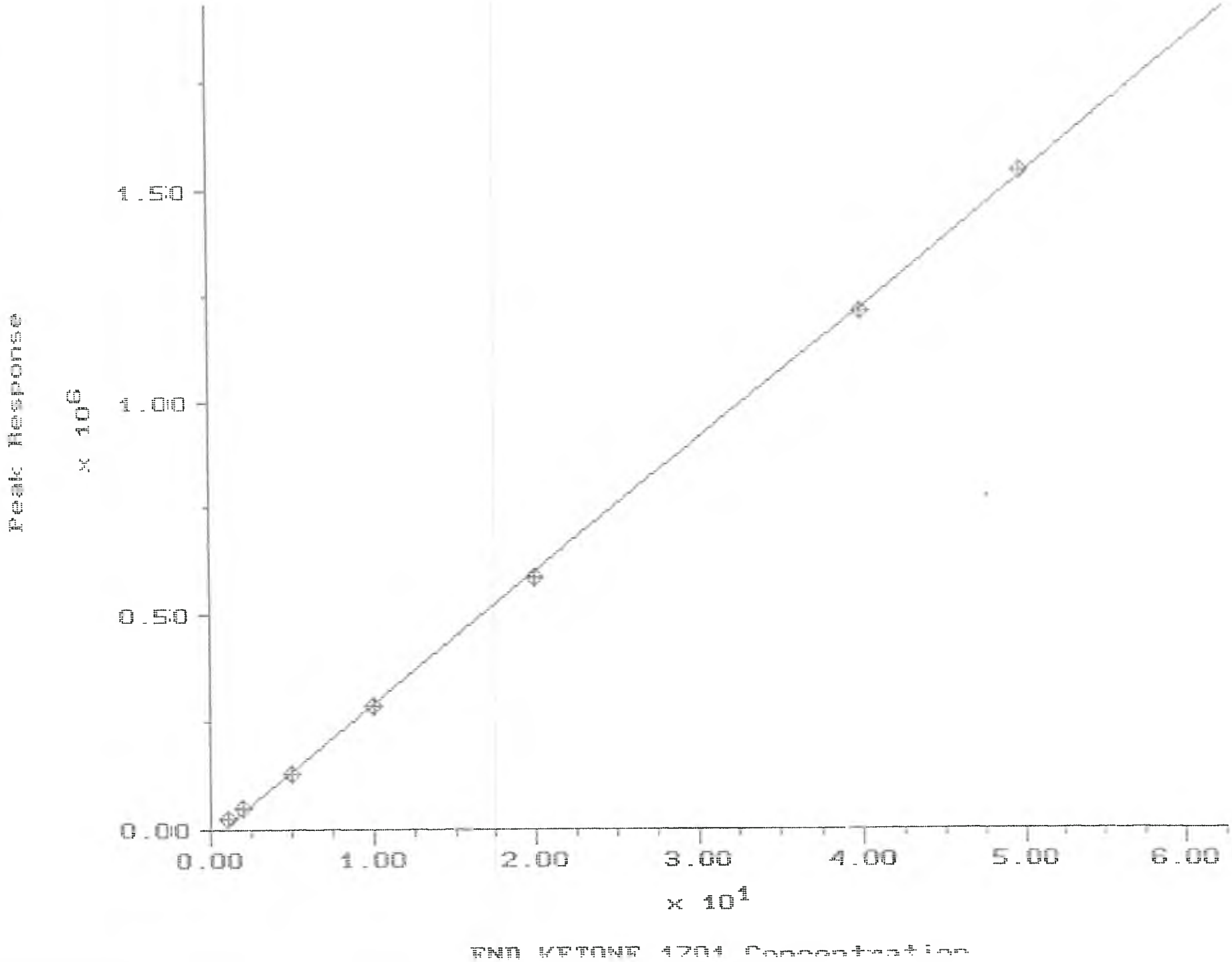
ENDSUF+METH1701 Calibration Report

Printed: 20-DEC-1994 11:43:51

Quant Basis: Area
Rejection Tolerance: None
Internal Standard: None
Curve Type: Linear
Weighting: None
Forced Through Origin: No
Y-axis Label: Response
Corr. Coef. (r): 0.9996435
Coef. of Determination (r^2): 0.9992871

Equation: Conc = 1.379963E+00 + 4.693422E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
1.0 PEST-049	94121912	Y	2.000000E+00	3.4800176E+04	3.013282E+00	-3.36E+01	5.747097E-05
2.0 PEST-048	94121913	Y	4.000000E+00	6.9711219E+04	4.651804E+00	-1.40E+01	5.737957E-05
5.0 PEST-047	94121914	Y	1.000000E+01	1.7613831E+05	9.646876E+00	3.66E+00	5.677357E-05
10 PEST-046	94121915	Y	2.000000E+01	3.9059584E+05	1.971227E+01	1.46E+00	5.120382E-05
20ug/l pest038	94121916	Y	4.000000E+01	7.9124881E+05	3.851661E+01	3.85E+00	5.055300E-05
40ug/l pest045	94121917	Y	8.000000E+01	1.6558590E+06	7.909641E+01	1.14E+00	4.831329E-05
50 PEST-044	94121918	Y	1.000000E+02	2.1302750E+06	1.013627E+02	-1.34E+00	4.694230E-05


Peak Response
x 10^6
1.50
1.00
0.50
0.00
0.00
1.00
2.00
3.00
4.00
5.00
6.00
x 10^1
END KETONE 4201 Concentration

END KETONE 1701 Calibration Report

Printed: 20-DEC-1994 11:44:01

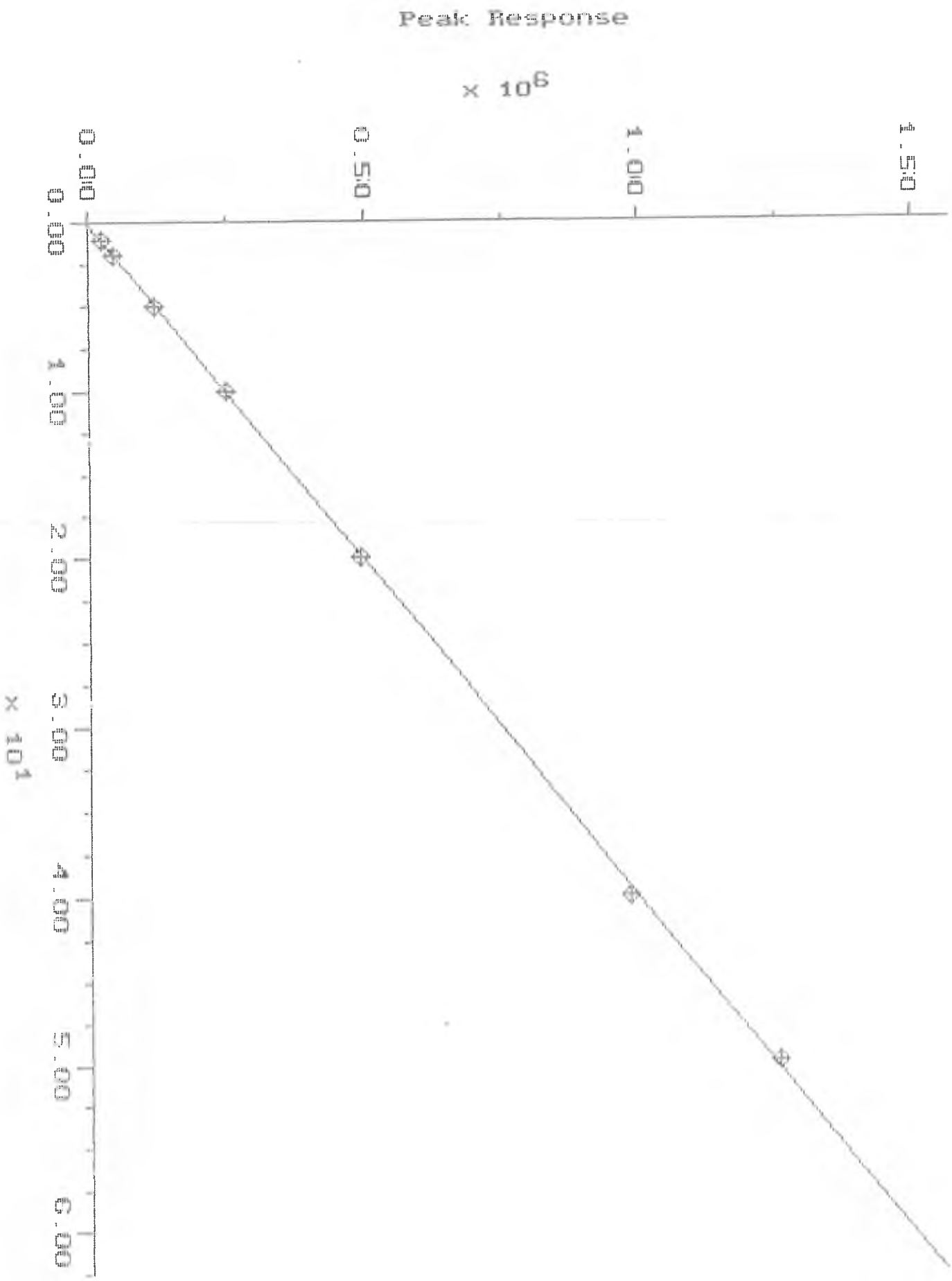
Quant Basis: Area
Curve Type: Linear
Y-axis Label: Response
Corr. Coef. (r): 0.9998009

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.9996018

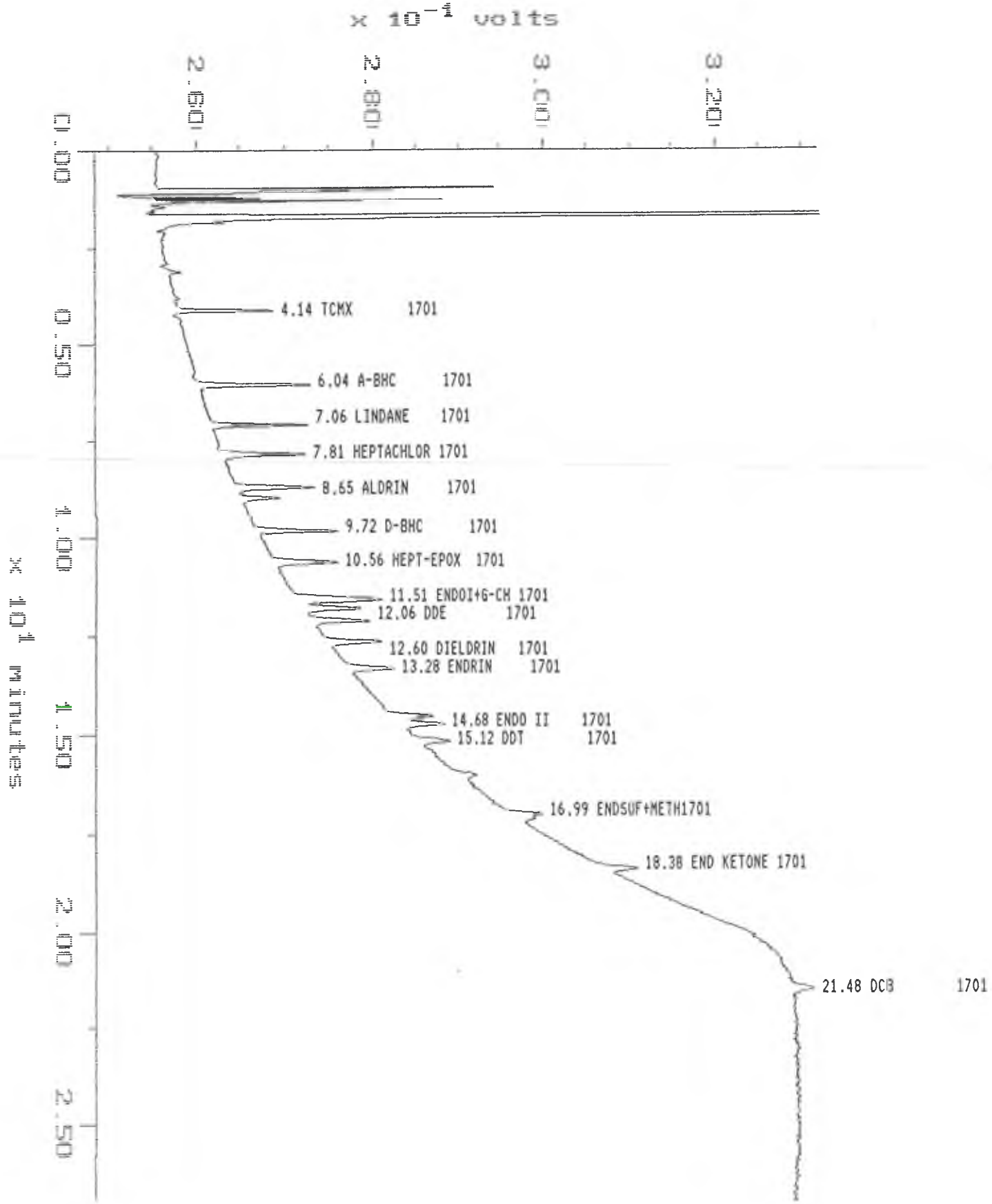
Internal Standard: None
Forced Through Origin: No

Equation: Conc = 6.001660E-01 + 3.222137E-05 * R

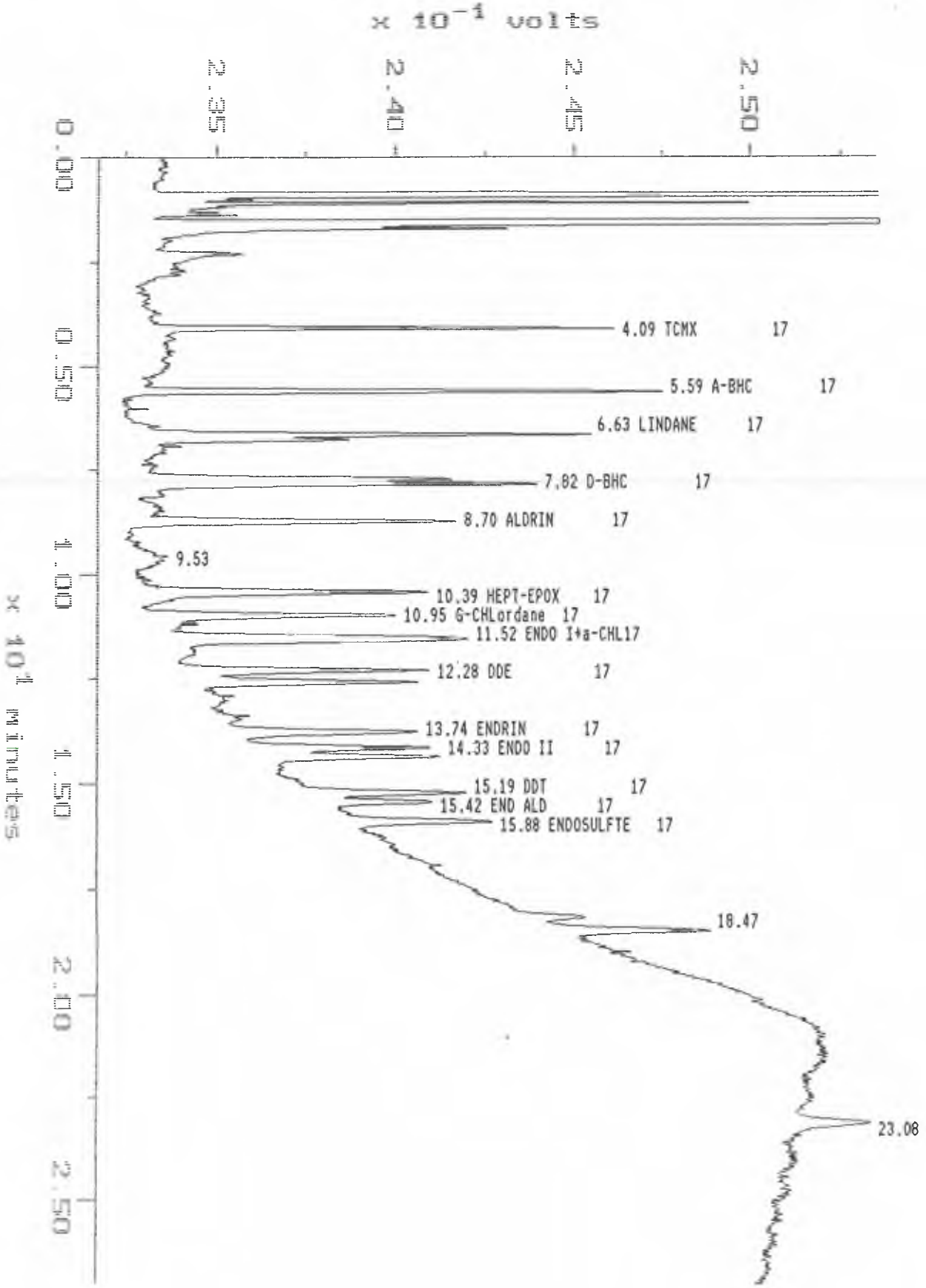
Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
.0 PEST-049	94121912	Y	1.000000E+00	2.5955740E+04	1.436496E+00	-3.04E+01	3.852712E-05
.0 PEST-048	94121913	Y	2.000000E+00	5.1872738E+04	2.271577E+00	-1.20E+01	3.855590E-05
.0 PEST-047	94121914	Y	5.000000E+00	1.3240697E+05	4.866500E+00	2.74E+00	3.776236E-05
) PEST-046	94121915	Y	1.000000E+01	2.8533106E+05	9.793925E+00	2.10E+00	3.504701E-05
)ug/l pest038	94121916	Y	2.000000E+01	5.8307775E+05	1.938773E+01	3.16E+00	3.430074E-05
)ug/l pest045	94121917	Y	4.000000E+01	1.2171825E+06	3.981946E+01	4.53E-01	3.286278E-05
) PEST-044	94121918	Y	5.000000E+01	1.5463074E+06	5.042432E+01	-8.41E-01	3.233510E-05


Peak Response
× 10^6
0.00
0.50
1.00
1.50
0.00
1.00
2.00
3.00
4.00
5.00
6.00
× 10^4

Sample: 1.0 PEST-049 Channel: ECD DB-1701 Filename: 94121912
Acquired: 19-DEC-94 16:53 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 1.0 PEST-049 Channel: ECD DB-17 Filename: 94121912
Acquired: 19-DEC-94 16:53 Method: D:\MAX\DATA1\941219A Operator: SJL



AXIMA (c)1990 Dynamic Solutions, Division of Millipore

MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 9:00:38

SAMPLE: 1.0 PEST-049
#12 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 16:53
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: STND
Instrument: 3400 Varian GC
Filename: 94121912
Index: Disk

DETECTOR: ECD DB-1701

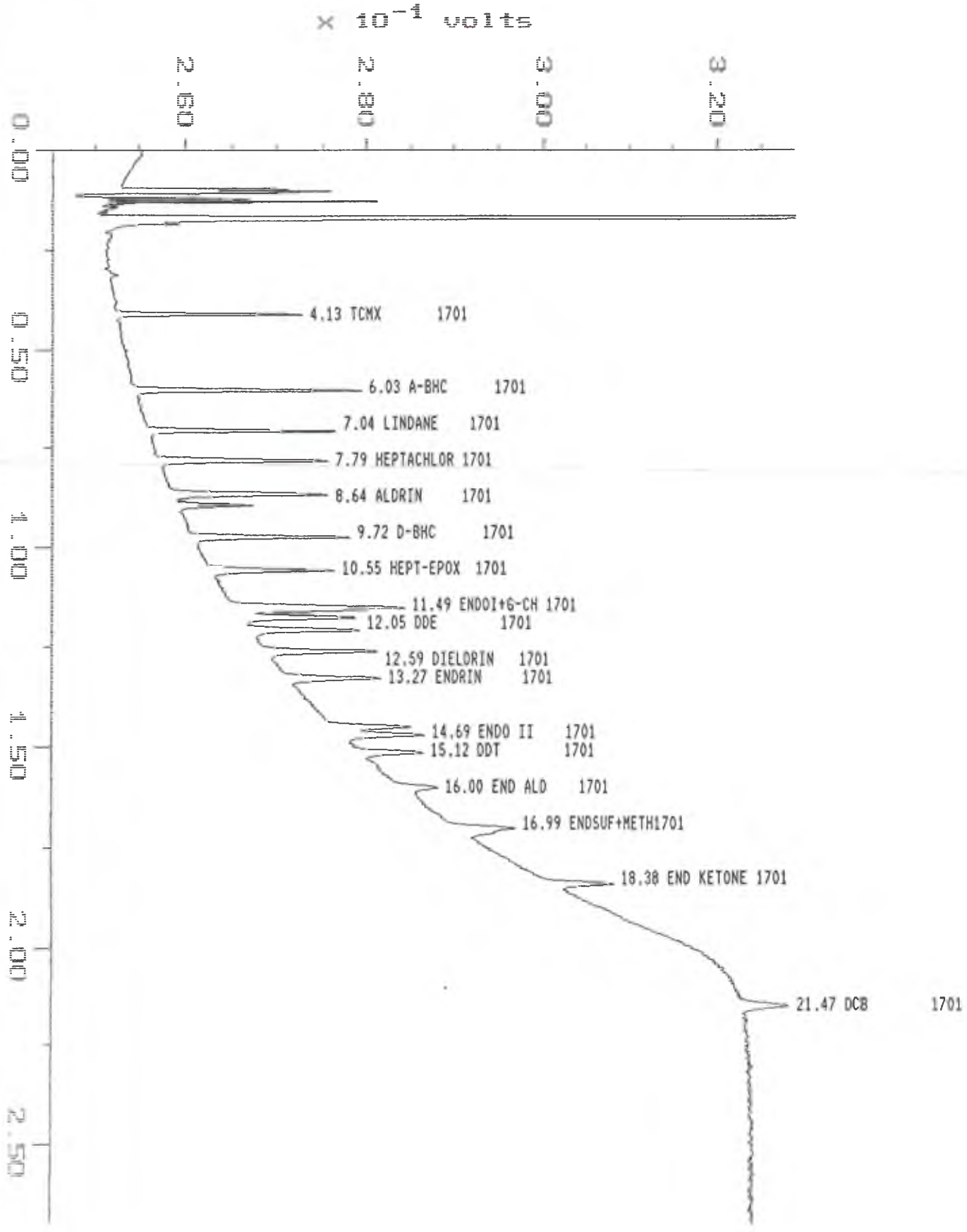
Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.142	TCMX 1701	2	43107	5.21	1.00	1.00
1.459	6.042	A-BHC 1701	4	57873	6.99	1.00	1.00
1.704	7.058	LINDANE 1701	7	53803	6.50	1.00	1.00
1.885	7.808	HEPTACHLOR 1701	9	56876	6.87	1.00	1.00
2.089	8.650	ALDRIN 1701	11	53779	6.50	1.00	1.00
2.155	8.925	B-BHC 1701	13	24956	3.02	1.00	1.00
2.346	9.717	D-BHC 1701	14	50492	6.10	1.00	1.00
2.549	10.558	HEPT-EPOX 1701	16	46564	5.63	1.00	1.00
2.779	11.508	ENDOI+G-CH 1701	19	82446	9.96	2.00	2.00
2.835	11.742	A-CHLORDNE 1701	20	43345	5.24	1.00	1.00
2.911	12.058	DDE 1701	21	43382	5.24	1.00	1.00
3.042	12.600	DIELDRIN 1701	24	44244	5.35	1.00	1.00
3.205	13.275	ENDRIN 1701	25	34921	4.22	1.00	1.00
3.497	14.483	DDD 1701	29	31205	3.77	1.00	1.00
3.545	14.683	ENDO II 1701	30	34989	4.23	1.00	1.00
3.650	15.117	DDT 1701	31	27995	3.38	1.00	1.00
3.863	16.000	END ALD 1701	35	14189	1.71	1.00	1.00
4.103	16.992	ENDSUF+METH1701	36	34800	4.21	2.00	2.00
4.437	18.375	END KETONE 1701	38	25956	3.14	1.00	1.00
5.185	21.475	DCB 1701	40	22654	2.74	1.00	1.00
TAL				827578		22.00	22.00

DETECTOR: ECD DB-17

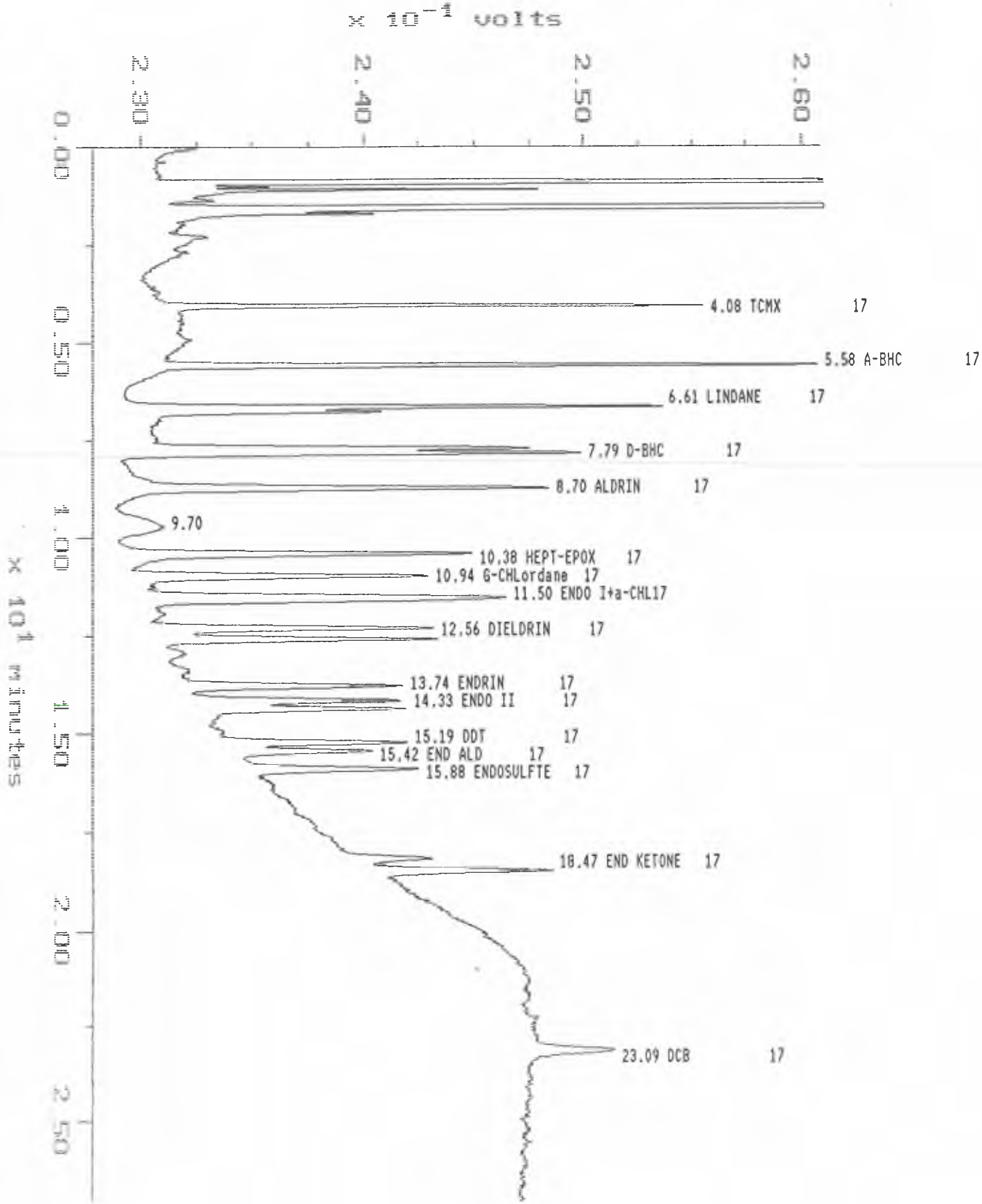
Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.092	TCMX 17	1	53473	5.40	1.00	1.00
1.367	5.592	A-BHC 17	3	75130	7.58	1.00	1.00
1.619	6.625	LINDANE 17	5	71115	7.18	1.00	1.00
1.648	6.742	B-BHC 17	6	28543	2.88	1.00	1.00

1.880	7.692	HEPTACHLOR	17	8	49881	5.03	1.00	1.00
1.910	7.817	D-BHC	17	10	66435	6.71	1.00	1.00
2.126	8.700	ALDRIN	17	12	63144	6.37	1.00	1.00
2.328	9.525				12309	1.24		
2.540	10.392	HEPT-EPOX	17	15	55976	5.65	1.00	1.00
2.676	10.950	G-CHLordane	17	17	49735	5.02	1.00	1.00
2.815	11.517	ENDO I+a-CHL	17	18	88086	8.89	2.00	2.00
3.000	12.275	DDE	17	22	52182	5.27	1.00	1.00
3.069	12.558	DIELDRIN	17	23	50820	5.13	1.00	1.00
3.358	13.742	ENDRIN	17	26	40939	4.13	1.00	1.00
3.454	14.133	DDD	17	27	35588	3.59	1.00	1.00
3.503	14.333	ENDO II	17	28	37571	3.79	1.00	1.00
3.713	15.192	DDT	17	32	32942	3.32	1.00	1.00
3.768	15.417	END ALD	17	33	21669	2.19	1.00	1.00
3.882	15.883	ENDOSULFTE	17	34	31189	3.15	1.00	1.00
4.434	18.142	METHOXY	17	37	14127	1.43	1.00	1.00
4.513	18.467	END KETONE	17	39	35442	3.58	1.00	1.00
5.640	23.075	DCB	17	41	24506	2.47	1.00	1.00
OTAL					990802		22.00	22.00

Sample: 2.0 PEST-048 Channel: ECD DB-1701 Filename: 94121913
Acquired: 19-DEC-94 17:22 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 2.0 PEST-048 Channel: ECD DB-17 Filename: 94121913
Acquired: 19-DEC-94 17:22 Method: D:\MAX\DATA1\941219A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 9:01:01

SAMPLE: 2.0 PEST-048
#13 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 17:22
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: STND
Instrument: 3400 Varian GC
Filename: 94121913
Index: Disk

DETECTOR: ECD DB-1701

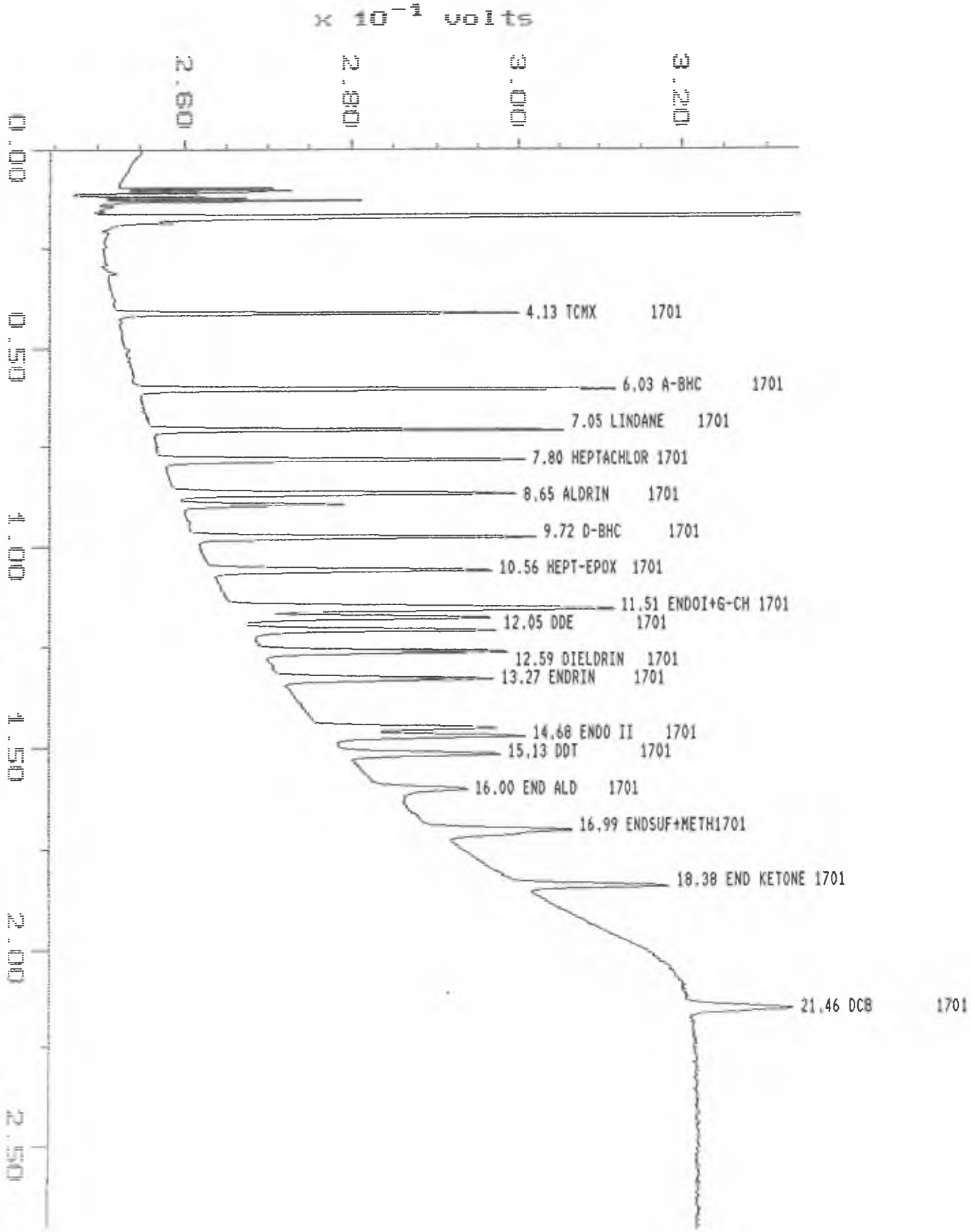
Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.125	TCMX 1701	2	77701	4.84	2.00	2.00
1.461	6.025	A-BHC 1701	4	114982	7.16	2.00	2.00
1.707	7.042	LINDANE 1701	7	103275	6.43	2.00	2.00
1.889	7.792	HEPTACHLOR 1701	9	110177	6.86	2.00	2.00
2.095	8.642	ALDRIN 1701	11	105949	6.60	2.00	2.00
2.162	8.917	B-BHC 1701	13	42374	2.64	2.00	2.00
2.356	9.717	D-BHC 1701	14	97737	6.08	2.00	2.00
2.558	10.550	HEPT-EPOX 1701	16	89332	5.56	2.00	2.00
2.786	11.492	ENDOI+G-CH 1701	19	165972	10.33	4.00	4.00
2.846	11.742	A-CHLORDNE 1701	20	84662	5.27	2.00	2.00
2.921	12.050	DDE 1701	21	84215	5.24	2.00	2.00
3.053	12.592	DIELDRIN 1701	24	84468	5.26	2.00	2.00
3.216	13.267	ENDRIN 1701	25	69254	4.31	2.00	2.00
3.511	14.483	DDD 1701	29	60807	3.79	2.00	2.00
3.562	14.692	ENDO II 1701	30	68554	4.27	2.00	2.00
3.665	15.117	DDT 1701	31	52817	3.29	2.00	2.00
3.879	16.000	END ALD 1701	35	26471	1.65	2.00	2.00
4.119	16.992	ENDSUF+METH1701	36	69711	4.34	4.00	4.00
4.455	18.375	END KETONE 1701	38	51873	3.23	2.00	2.00
5.204	21.467	DCB 1701	40	46158	2.87	2.00	2.00
TOTAL				1606487		44.00	44.00

DETECTOR: ECD DB-17

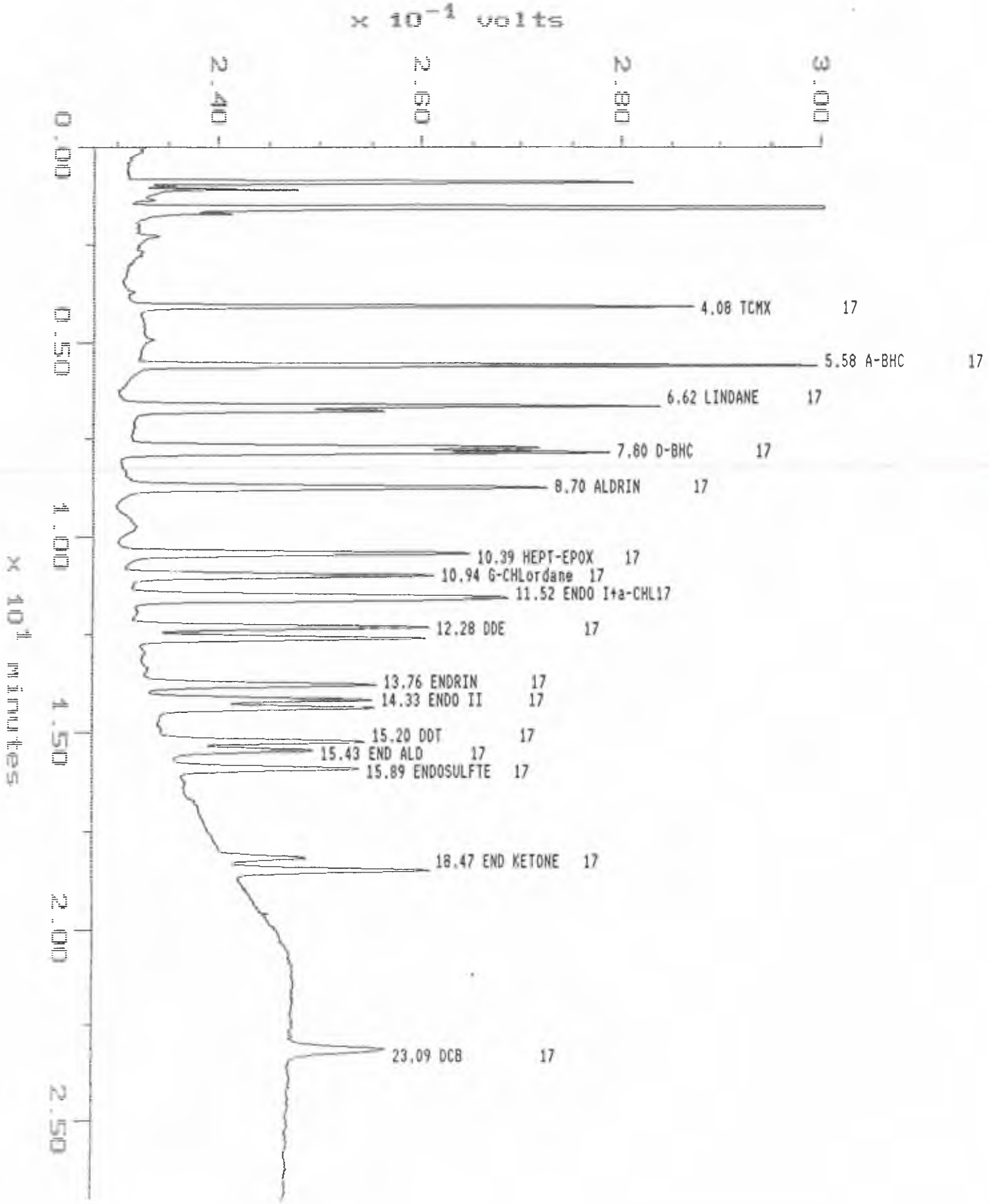
Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.075	TCMX 17	1	107921	5.31	2.00	2.00
1.368	5.575	A-BHC 17	3	155249	7.63	2.00	2.00
1.622	6.608	LINDANE 17	5	141015	6.93	2.00	2.00
1.654	6.742	B-BHC 17	6	54760	2.69	2.00	2.00

1.885	7.683	HEPTACHLOR	17	8	116994	5.75	2.00	2.00
1.912	7.792	D-BHC	17	10	120809	5.94	2.00	2.00
2.135	8.700	ALDRIN	17	12	136732	6.72	2.00	2.00
2.380	9.700				47358	2.33		
2.548	10.383	HEPT-EPOX	17	15	121642	5.98	2.00	2.00
2.685	10.942	G-CHLordane	17	17	102999	5.06	2.00	2.00
2.822	11.500	ENDO I+a-CHL	17	18	186113	9.15	4.00	4.00
3.012	12.275	DDE	17	22	101123	4.97	2.00	2.00
3.082	12.558	DIELDRIN	17	23	101403	4.99	2.00	2.00
3.372	13.742	ENDRIN	17	26	78265	3.85	2.00	2.00
3.470	14.142	DDD	17	27	75227	3.70	2.00	2.00
3.517	14.333	ENDO II	17	28	70730	3.48	2.00	2.00
3.728	15.192	DDT	17	32	65799	3.23	2.00	2.00
3.783	15.417	END ALD	17	33	49929	2.45	2.00	2.00
3.896	15.875	ENDOSULFTE	17	34	63772	3.14	2.00	2.00
4.454	18.150	METHOXY	17	37	27407	1.35	2.00	2.00
4.532	18.467	END KETONE	17	39	64082	3.15	2.00	2.00
5.667	23.092	DCB	17	41	44818	2.20	2.00	2.00
TOTAL					2034149		44.00	44.00

Sample: 5.0 PEST-047 Channel: ECD DB-1701 Filename: 94121914
Acquired: 19-DEC-94 17:51 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 5.0 PEST-047 Channel: ECD DB-17 Filename: 94121914
Acquired: 19-DEC-94 17:51 Method: D:\MAX\DATA1\941219A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 9:01:27

SAMPLE: 5.0 PEST-047
#14 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 17:51
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: STND
Instrument: 3400 Varian GC
Filename: 94121914
Index: Disk

DETECTOR: ECD DB-1701

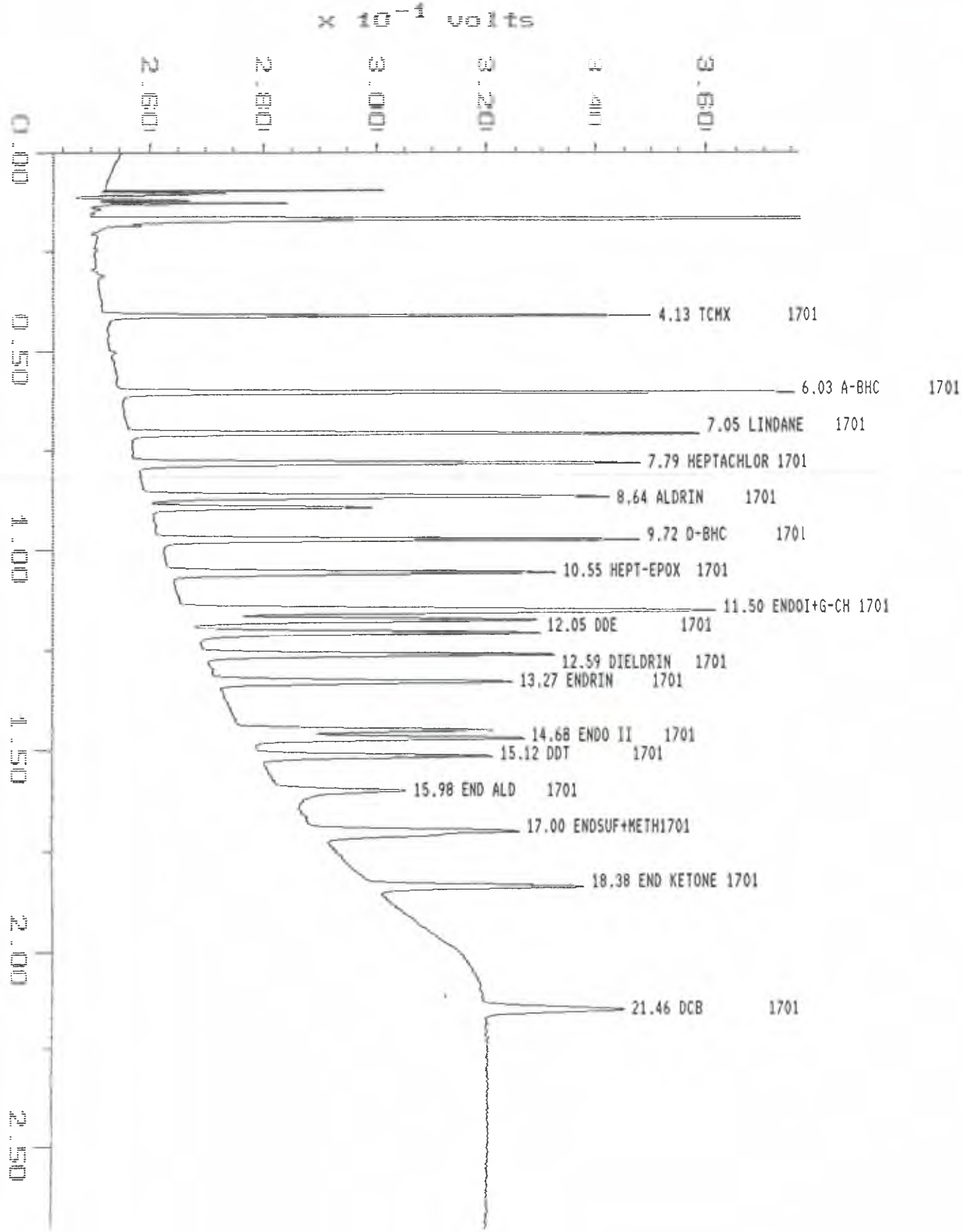
Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.133	TCMX 1701	2	185987	4.74	5.00	5.00
1.460	6.033	A-BHC 1701	4	273264	6.96	5.00	5.00
1.706	7.050	LINDANE 1701	7	249755	6.36	5.00	5.00
1.887	7.800	HEPTACHLOR 1701	9	258033	6.57	5.00	5.00
2.093	8.650	ALDRIN 1701	11	250405	6.38	5.00	5.00
2.157	8.917	B-BHC 1701	13	103329	2.63	5.00	5.00
2.351	9.717	D-BHC 1701	14	238710	6.08	5.00	5.00
2.554	10.558	HEPT-EPOX 1701	16	215300	5.48	5.00	5.00
2.784	11.508	ENDOI+G-CH 1701	19	402592	10.26	10.00	10.00
2.841	11.742	A-CHLORDNE 1701	20	206767	5.27	5.00	5.00
2.915	12.050	DDE 1701	21	204057	5.20	5.00	5.00
3.046	12.592	DIELDRIN 1701	24	205211	5.23	5.00	5.00
3.210	13.267	ENDRIN 1701	25	173444	4.42	5.00	5.00
3.506	14.492	DDD 1701	29	149324	3.80	5.00	5.00
3.552	14.683	ENDO II 1701	30	169340	4.31	5.00	5.00
3.659	15.125	DDT 1701	31	132017	3.36	5.00	5.00
3.871	16.000	END ALD 1701	35	82184	2.09	5.00	5.00
4.111	16.992	ENDSUF+METH1701	36	176138	4.49	10.00	10.00
4.448	18.383	END KETONE 1701	38	132407	3.37	5.00	5.00
5.192	21.458	DCB 1701	40	117152	2.98	5.00	5.00
TAL				3925417		110.00	110.00

DETECTOR: ECD DB-17

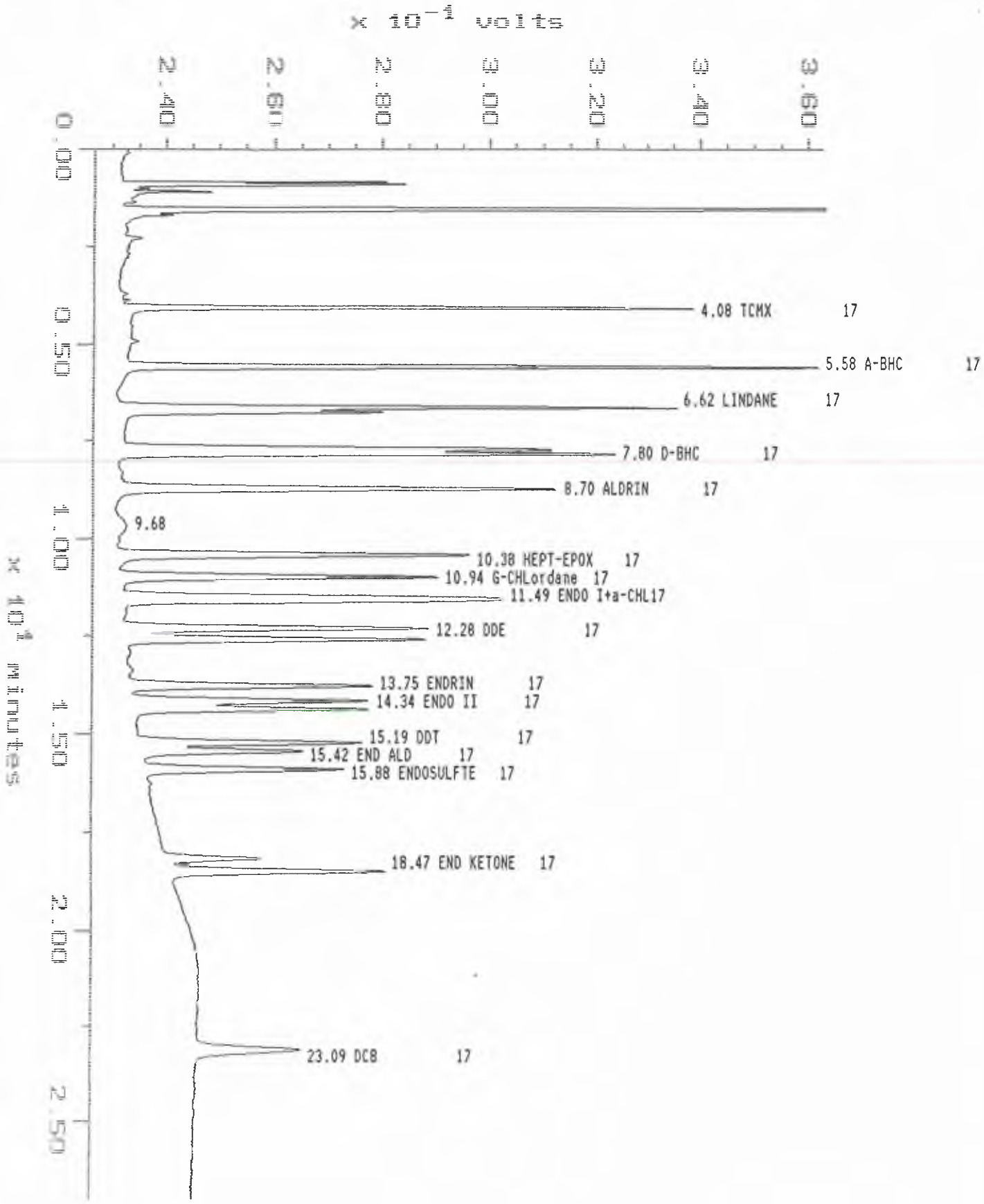
Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.075	TCMX 17	1	246220	5.30	5.00	5.00
1.370	5.583	A-BHC 17	3	357707	7.70	5.00	5.00
1.624	6.617	LINDANE 17	5	317636	6.84	5.00	5.00
1.654	6.742	B-BHC 17	6	129831	2.80	5.00	5.00

1.885	7.683	HEPTACHLOR	17	8	271988	5.86	5.00	5.00
1.914	7.800	D-BHC	17	10	295144	6.36	5.00	5.00
2.135	8.700	ALDRIN	17	12	311479	6.71	5.00	5.00
2.550	10.392	HEPT-EPOX	17	15	266772	5.74	5.00	5.00
2.685	10.942	G-CHLordane	17	17	237148	5.11	5.00	5.00
2.826	11.517	ENDO I+a-CHL	17	18	431823	9.30	10.00	10.00
3.014	12.283	DDE	17	22	229100	4.93	5.00	5.00
3.084	12.567	DIELDRIN	17	23	236236	5.09	5.00	5.00
3.376	13.758	ENDRIN	17	26	186715	4.02	5.00	5.00
3.470	14.142	DDD	17	27	171646	3.70	5.00	5.00
3.517	14.333	ENDO II	17	28	179991	3.88	5.00	5.00
3.730	15.200	DDT	17	32	162432	3.50	5.00	5.00
3.785	15.425	END ALD	17	33	119473	2.57	5.00	5.00
3.900	15.892	ENDOSULFTE	17	34	146217	3.15	5.00	5.00
4.456	18.158	METHOXY	17	37	65886	1.42	5.00	5.00
4.532	18.467	END KETONE	17	39	162430	3.50	5.00	5.00
5.667	23.092	DCB	17	41	118406	2.55	5.00	5.00
					---		---	---
TAL					4644280		110.00	110.00

Sample: 10 PEST-046 Channel: ECD DB-1701 Filename: 94121915
Acquired: 19-DEC-94 18:20 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 10 PEST-046 Channel: ECD DB-17 Filename: 94121915
Acquired: 19-DEC-94 18:20 Method: D:\MAX\DATA1\941219A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 9:01:52

SAMPLE: 10 PEST-046
#15 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 18:20
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: STND
Instrument: 3400 Varian GC
Filename: 94121915
Index: Disk

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.125	TCMX 1701	2	377708	4.58	10.00	10.00
1.461	6.025	A-BHC 1701	4	562716	6.82	10.00	10.00
1.709	7.050	LINDANE 1701	7	513197	6.22	10.00	10.00
1.889	7.792	HEPTACHLOR 1701	9	531331	6.44	10.00	10.00
2.095	8.642	ALDRIN 1701	11	515106	6.24	10.00	10.00
2.162	8.917	B-BHC 1701	13	213741	2.59	10.00	10.00
2.356	9.717	D-BHC 1701	14	494511	5.99	10.00	10.00
2.558	10.550	HEPT-EPOX 1701	16	444877	5.39	10.00	10.00
2.788	11.500	ENDOI+G-CH 1701	19	840348	10.18	20.00	20.00
2.844	11.733	A-CHLORDNE 1701	20	431548	5.23	10.00	10.00
2.921	12.050	DDE 1701	21	433140	5.25	10.00	10.00
3.053	12.592	DIELDRIN 1701	24	430826	5.22	10.00	10.00
3.216	13.267	ENDRIN 1701	25	371724	4.50	10.00	10.00
3.513	14.492	DDD 1701	29	316814	3.84	10.00	10.00
3.560	14.683	ENDO II 1701	30	354215	4.29	10.00	10.00
3.665	15.117	DDT 1701	31	291441	3.53	10.00	10.00
3.875	15.983	END ALD 1701	35	202338	2.45	10.00	10.00
4.121	17.000	ENDSUF+METH1701	36	390596	4.73	20.00	20.00
4.455	18.375	END KETONE 1701	38	285331	3.46	10.00	10.00
5.202	21.458	DCB 1701	40	251434	3.05	10.00	10.00
OTAL				8252941		220.00	220.00

DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.075	TCMX 17	1	481160	5.14	10.00	10.00
1.368	5.575	A-BHC 17	3	710233	7.58	10.00	10.00
1.624	6.617	LINDANE 17	5	630700	6.73	10.00	10.00
1.652	6.733	B-BHC 17	6	250007	2.67	10.00	10.00

1.885	7.683	HEPTACHLOR	17	8	518879	5.54	10.00	10.00
1.914	7.800	D-BHC	17	10	601977	6.43	10.00	10.00
2.135	8.700	ALDRIN	17	12	604885	6.46	10.00	10.00
2.374	9.675				50422	0.54		
2.548	10.383	HEPT-EPOX	17	15	528657	5.64	10.00	10.00
2.685	10.942	G-CHLordane	17	17	480374	5.13	10.00	10.00
2.820	11.492	ENDO I+a-CHL	17	18	863243	9.22	20.00	20.00
3.012	12.275	DDE	17	22	453256	4.84	10.00	10.00
3.082	12.558	DIELDRIN	17	23	462488	4.94	10.00	10.00
3.374	13.750	ENDRIN	17	26	375488	4.01	10.00	10.00
3.466	14.125	DDD	17	27	352106	3.76	10.00	10.00
3.519	14.342	ENDO II	17	28	370329	3.95	10.00	10.00
3.728	15.192	DDT	17	32	336405	3.59	10.00	10.00
3.783	15.417	END ALD	17	33	258635	2.76	10.00	10.00
3.896	15.875	ENDOSULFTE	17	34	308291	3.29	10.00	10.00
4.454	18.150	METHOXY	17	37	144156	1.54	10.00	10.00
4.532	18.467	END KETONE	17	39	340977	3.64	10.00	10.00
5.667	23.092	DCB	17	41	242902	2.59	10.00	10.00
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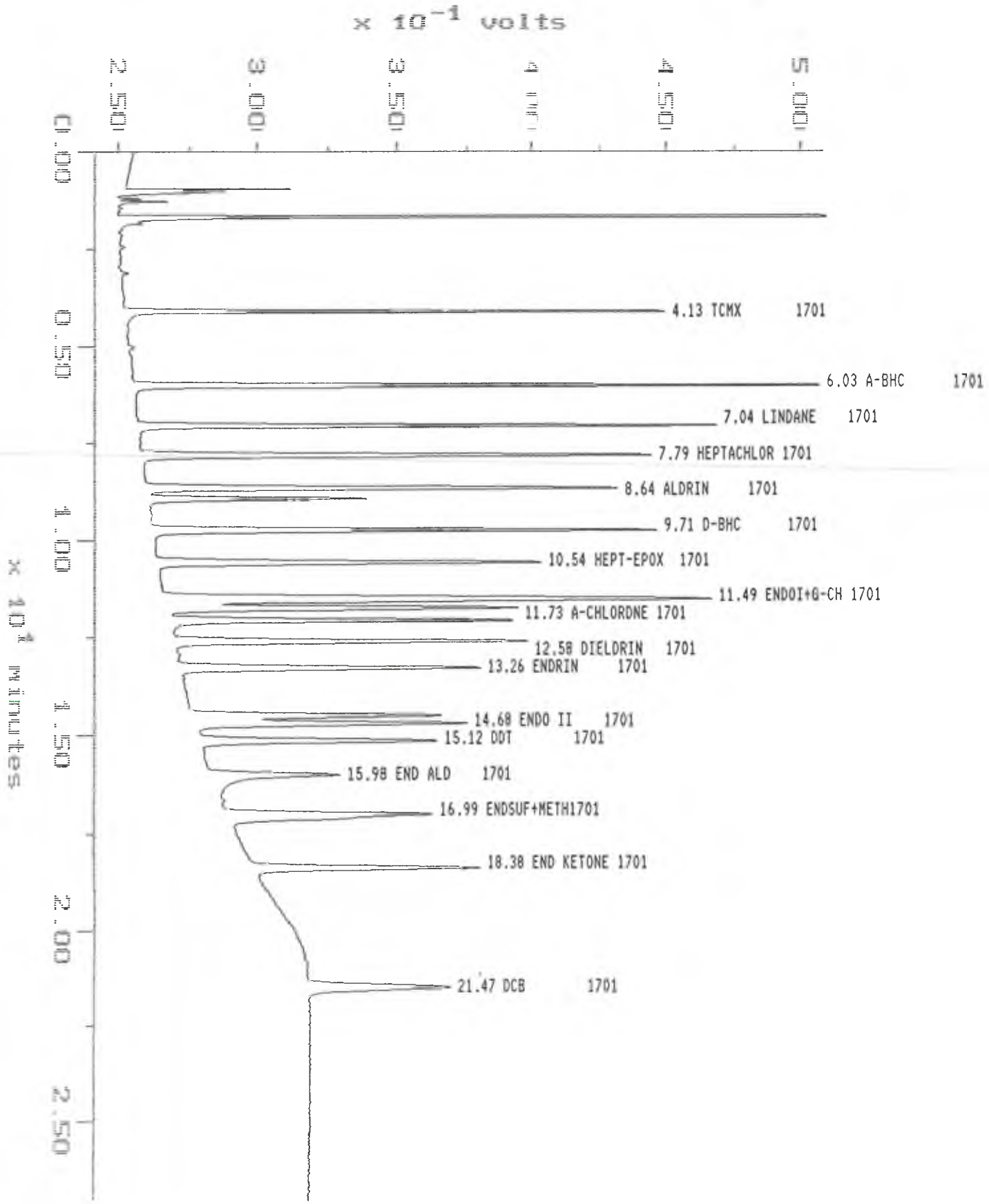
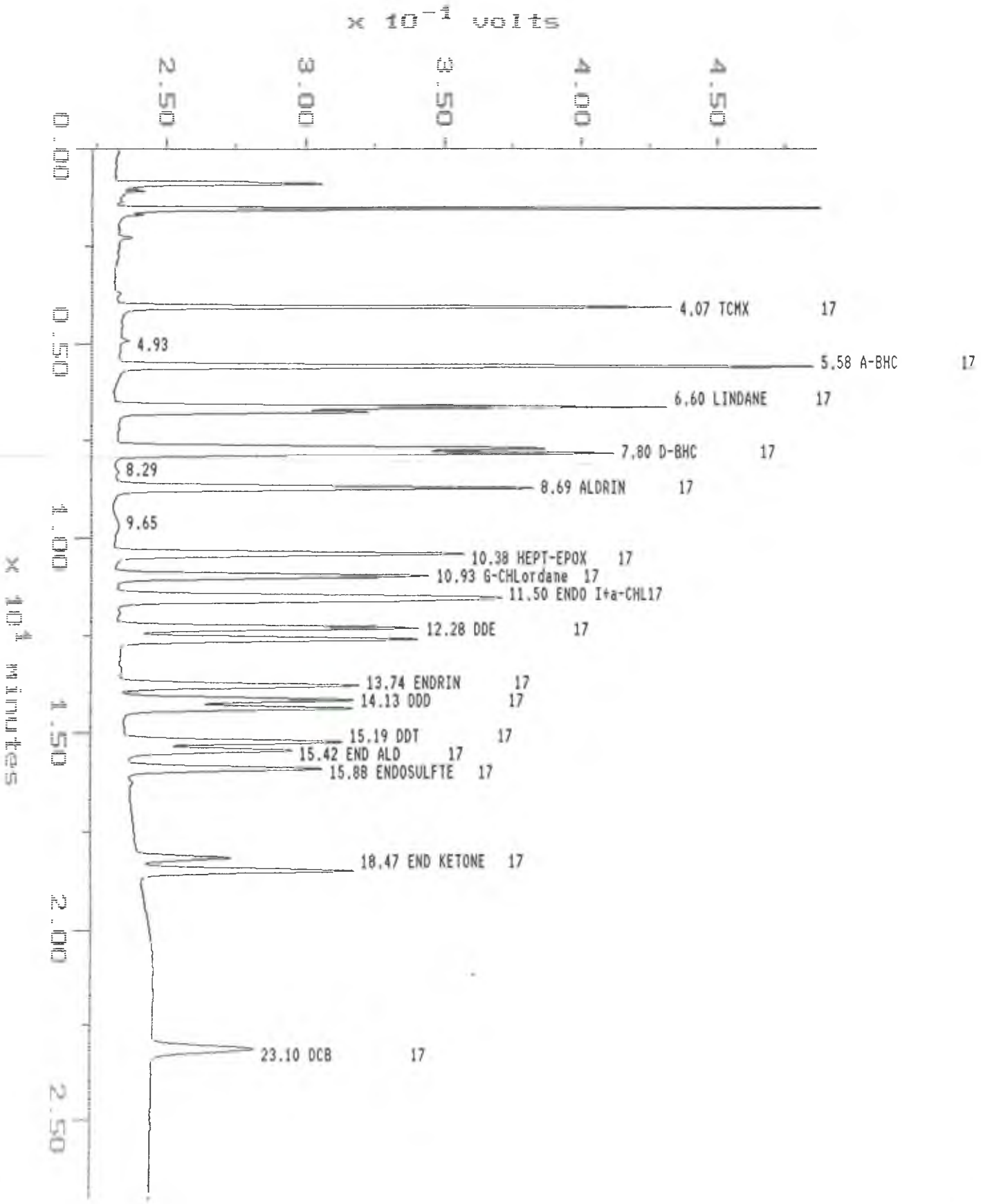
TAL					9365570		220.00	220.00

Sample: 20ug/l pest038 Channel: ECD DB-1701 Filename: 94121916
Acquired: 19-DEC-94 18:49 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 20ug/l pest038 **Channel:** ECD DB-17 **Filename:** 94121916
Acquired: 19-DEC-94 18:49 Method: D:\MAX\DATA1\941219A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 9:02:17

SAMPLE: 20ug/l pest038
#16 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 18:49
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: STND
Instrument: 3400 Varian GC
Filename: 94121916
Index: Disk

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.125	TCMX 1701	2	765341	4.53	20.00	20.00
1.461	6.025	A-BHC 1701	4	1170069	6.92	20.00	20.00
1.707	7.042	LINDANE 1701	7	1056962	6.25	20.00	20.00
1.889	7.792	HEPTACHLOR 1701	9	1086261	6.42	20.00	20.00
2.095	8.642	ALDRIN 1701	11	1060634	6.27	20.00	20.00
2.160	8.908	B-BHC 1701	13	437788	2.59	20.00	20.00
2.354	9.708	D-BHC 1701	14	1024729	6.06	20.00	20.00
2.556	10.542	HEPT-EPOX 1701	16	907736	5.37	20.00	20.00
2.786	11.492	ENDOI+G-CH 1701	19	1730293	10.23	40.00	40.00
2.844	11.733	A-CHLORDNE 1701	20	885112	5.23	20.00	20.00
2.919	12.042	DDE 1701	21	887540	5.25	20.00	20.00
3.051	12.583	DIELDRIN 1701	24	886617	5.24	20.00	20.00
3.214	13.258	ENDRIN 1701	25	747433	4.42	20.00	20.00
3.509	14.475	DDD 1701	29	652928	3.86	20.00	20.00
3.558	14.675	ENDO II 1701	30	709536	4.20	20.00	20.00
3.665	15.117	DDT 1701	31	616189	3.64	20.00	20.00
3.875	15.983	END ALD 1701	35	423307	2.50	20.00	20.00
4.119	16.992	ENDSUF+METH1701	36	791249	4.68	40.00	40.00
4.455	18.375	END KETONE 1701	38	583078	3.45	20.00	20.00
5.204	21.467	DCB 1701	40	490251	2.90	20.00	20.00
TAL				16913055		440.00	440.00

DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.067	TCMX 17	1	928609	5.17	20.00	20.00
1.211	4.925			13769	0.08		
1.371	5.575	A-BHC 17	3	1359245	7.56	20.00	20.00
1.623	6.600	LINDANE 17	5	1194510	6.64	20.00	20.00

1.654	6.725				486722	2.71		
1.887	7.675	HEPTACHLOR	17	8	1034708	5.76	20.00	20.00
1.918	7.800	D-BHC	17	10	1126486	6.27	20.00	20.00
2.039	8.292				8337	0.05		
2.137	8.692	ALDRIN	17	12	1158047	6.44	20.00	20.00
2.373	9.650				37327	0.21		
2.553	10.383	HEPT-EPOX	17	15	983152	5.47	20.00	20.00
2.689	10.933	G-CHLordane	17	17	917561	5.10	20.00	20.00
2.828	11.500	ENDO I+a-CHL	17	18	1664599	9.26	40.00	40.00
3.020	12.283	DDE	17	22	876971	4.88	20.00	20.00
3.088	12.558	DIELDRIN	17	23	891408	4.96	20.00	20.00
3.379	13.742	ENDRIN	17	26	719589	4.00	20.00	20.00
3.473	14.125	DDD	17	27	670951	3.73	20.00	20.00
3.523	14.325	ENDO II	17	28	718586	4.00	20.00	20.00
3.736	15.192	DDT	17	32	657144	3.66	20.00	20.00
3.791	15.417	END ALD	17	33	506350	2.82	20.00	20.00
3.906	15.883	ENDOSULFTE	17	34	593447	3.30	20.00	20.00
4.463	18.150	METHOXY	17	37	283816	1.58	20.00	20.00
4.541	18.467	END KETONE	17	39	663344	3.69	20.00	20.00
5.680	23.100	DCB	17	41	482732	2.69	20.00	20.00
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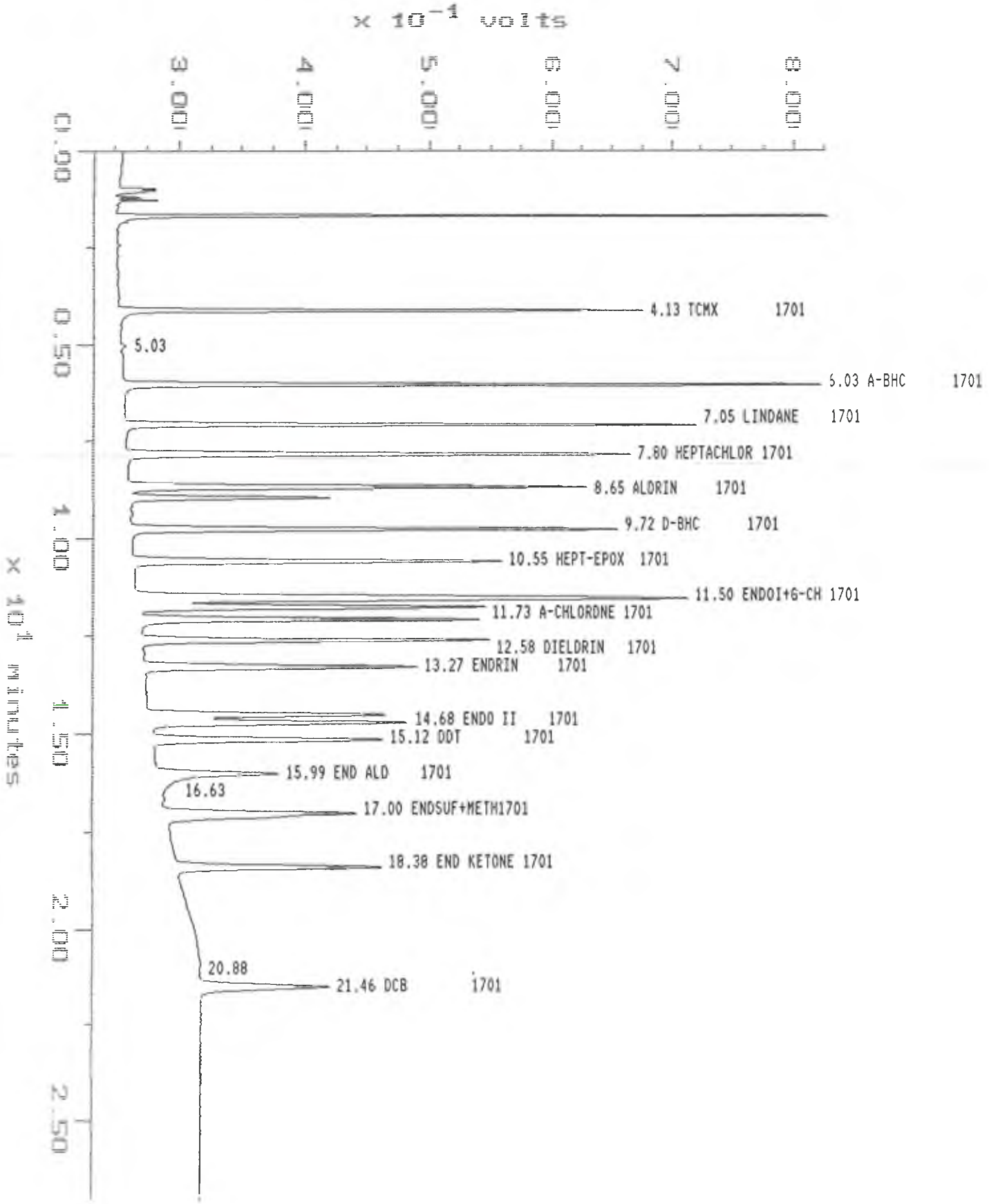
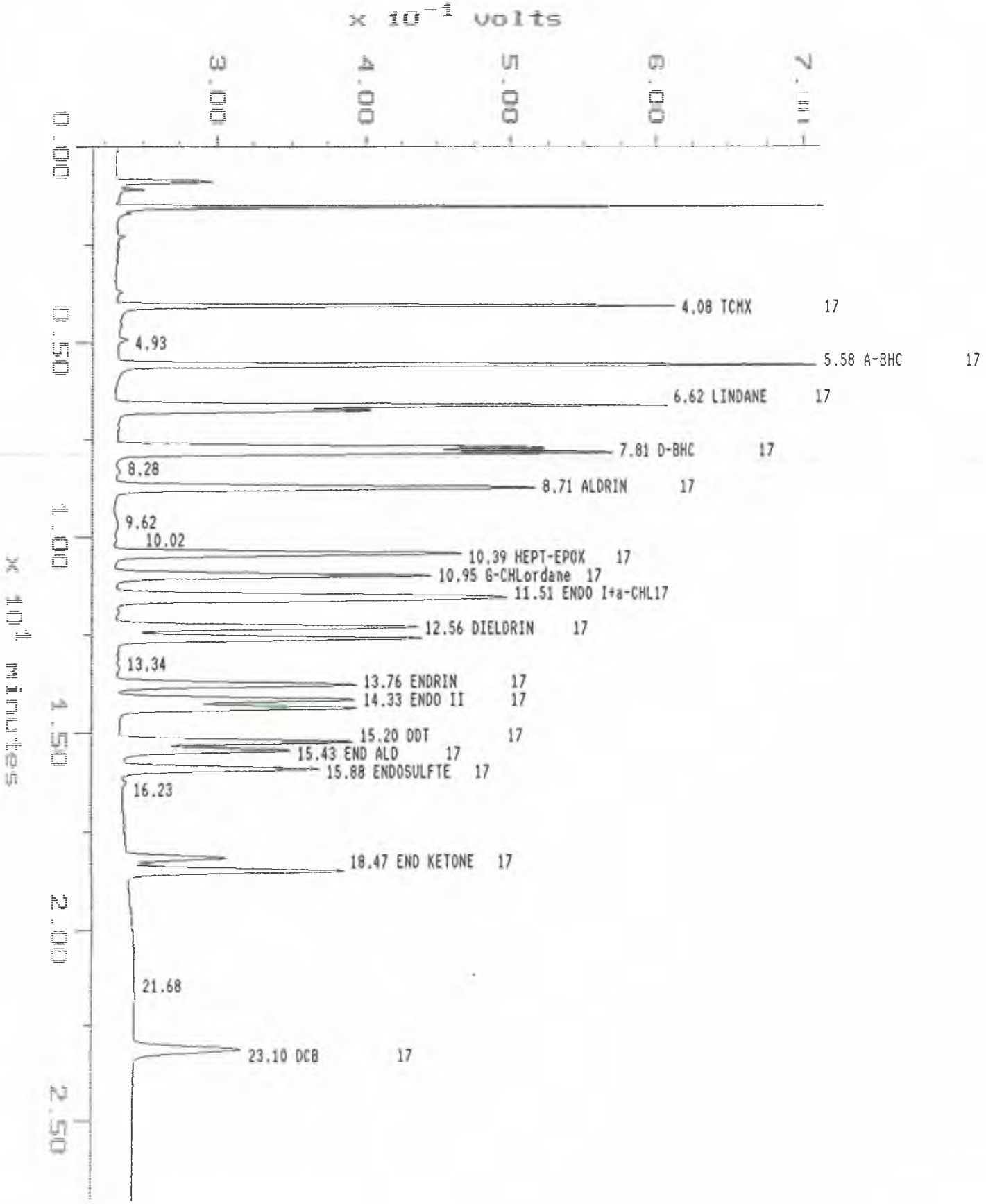
TAL					17977410		420.00	420.00

Sample: 40ug/l pest045 Channel: ECD DB-1701 Filename: 94121917
Acquired: 19-DEC-94 19:18 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 40ug/l pest045 Channel: ECD DB-17 Filename: 94121917
Acquired: 19-DEC-94 19:18 Method: D:\MAX\DATA1\941219A Operator: SJL



MAXIMA (c)1990 Dynamic Solutions, Division of Millipore

MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 9:02:43

SAMPLE: 40ug/l pest045
#17 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 19:18
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: STND
Instrument: 3400 Varian GC
Filename: 94121917
Index: Disk

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.125	TCMX 1701	2	1629891	4.54	40.00	40.00
1.220	5.033			19076	0.05		
1.461	6.025	A-BHC 1701	4	2537028	7.07	40.00	40.00
1.709	7.050	LINDANE 1701	7	2262441	6.31	40.00	40.00
1.891	7.800	HEPTACHLOR 1701	9	2300194	6.41	40.00	40.00
2.097	8.650	ALDRIN 1701	11	2223975	6.20	40.00	40.00
2.162	8.917	B-BHC 1701	13	886064	2.47	40.00	40.00
2.356	9.717	D-BHC 1701	14	2172370	6.06	40.00	40.00
2.558	10.550	HEPT-EPOX 1701	16	1887319	5.26	40.00	40.00
2.788	11.500	ENDOI+G-CH 1701	19	3736984	10.42	80.00	80.00
2.844	11.733	A-CHLORDNE 1701	20	1874506	5.23	40.00	40.00
2.921	12.050	DDE 1701	21	1914061	5.34	40.00	40.00
3.051	12.583	DIELDRIN 1701	24	1887669	5.26	40.00	40.00
3.133	12.925			16301	0.05		
3.216	13.267	ENDRIN 1701	25	1538105	4.29	40.00	40.00
3.513	14.492	DDD 1701	29	1358283	3.79	40.00	40.00
3.560	14.683	ENDO II 1701	30	1482225	4.13	40.00	40.00
3.665	15.117	DDT 1701	31	1329389	3.71	40.00	40.00
3.877	15.992	END ALD 1701	35	961788	2.68	40.00	40.00
4.121	17.000	ENDSUF+METH1701	36	1655859	4.62	80.00	80.00
4.457	18.383	END KETONE 1701	38	1217182	3.39	40.00	40.00
5.202	21.458	DCB 1701	40	984605	2.74	40.00	40.00
TOTAL				35875317		880.00	880.00

DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.075	TCMX 17	1	1745221	5.11	40.00	40.00
1.370	5.583	A-BHC 17	3	2592761	7.59	40.00	40.00

1.624	6.617	LINDANE	17	5	2265830	6.64	40.00	40.00
1.654	6.742	B-BHC	17	6	915988	2.68	40.00	40.00
1.885	7.683	HEPTACHLOR	17	8	1941803	5.69	40.00	40.00
1.916	7.808	D-BHC	17	10	2131992	6.24	40.00	40.00
2.137	8.708	ALDRIN	17	12	2183421	6.39	40.00	40.00
2.360	9.617				44143	0.13		
2.458	10.017				8348	0.02		
2.550	10.392	HEPT-EPOX	17	15	1854422	5.43	40.00	40.00
2.687	10.950	G-CHLordane	17	17	1739026	5.09	40.00	40.00
2.824	11.508	ENDO I+a-CHL	17	18	3157681	9.25	80.00	80.00
3.014	12.283	DDE	17	22	1659285	4.86	40.00	40.00
3.082	12.558	DIELDRIN	17	23	1707158	5.00	40.00	40.00
3.274	13.342				9344	0.03		
3.376	13.758	ENDRIN	17	26	1356346	3.97	40.00	40.00
3.468	14.133	DDD	17	27	1289882	3.78	40.00	40.00
3.517	14.333	ENDO II	17	28	1351802	3.96	40.00	40.00
3.730	15.200	DDT	17	32	1284382	3.76	40.00	40.00
3.785	15.425	END ALD	17	33	984780	2.88	40.00	40.00
3.898	15.883	ENDOSULFTE	17	34	1155978	3.39	40.00	40.00
3.984	16.233				15717	0.05		
4.454	18.150	METHOXY	17	37	554991	1.63	40.00	40.00
4.532	18.467	END KETONE	17	39	1278849	3.74	40.00	40.00
5.669	23.100	DCB	17	41	919407	2.69	40.00	40.00
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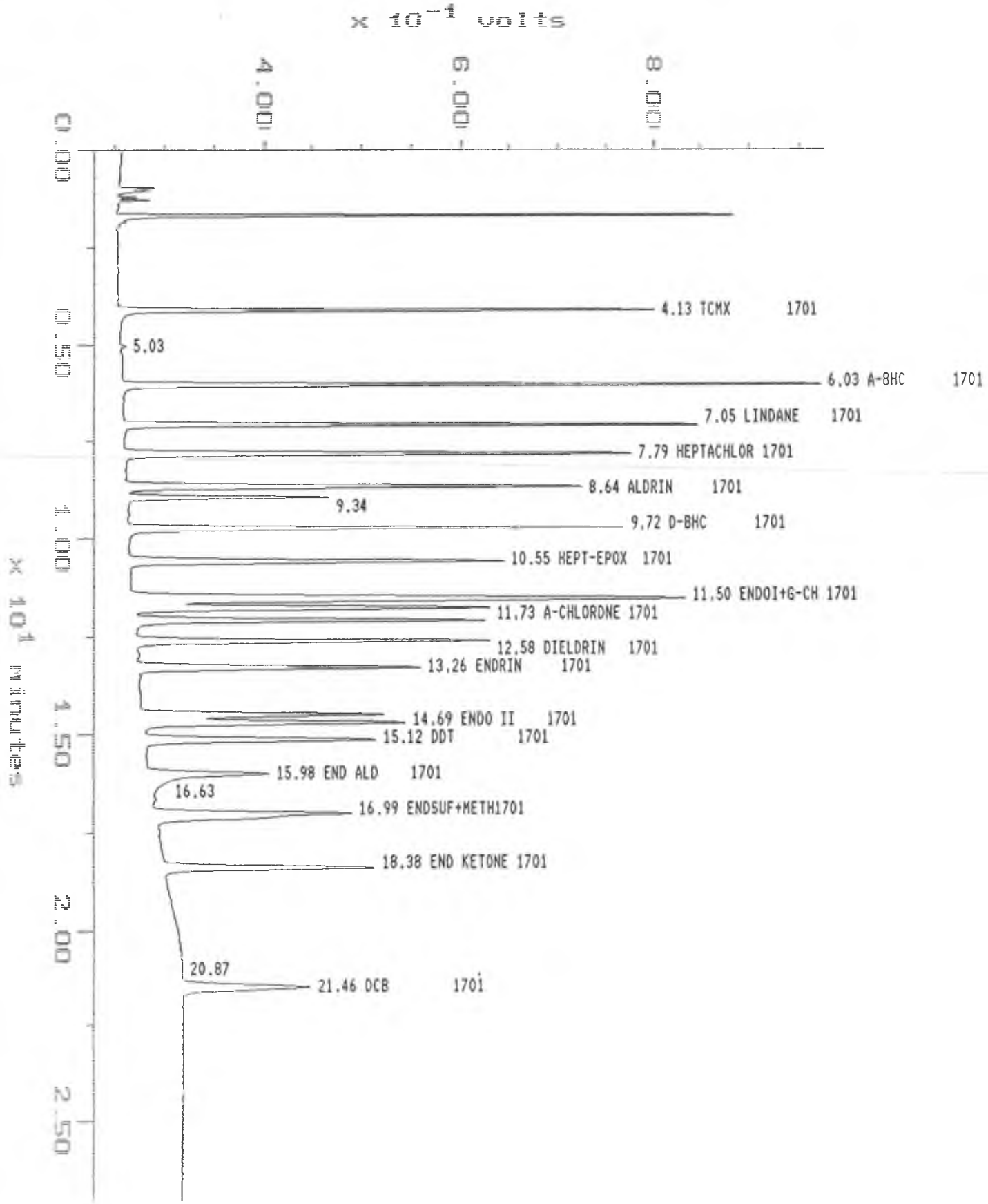
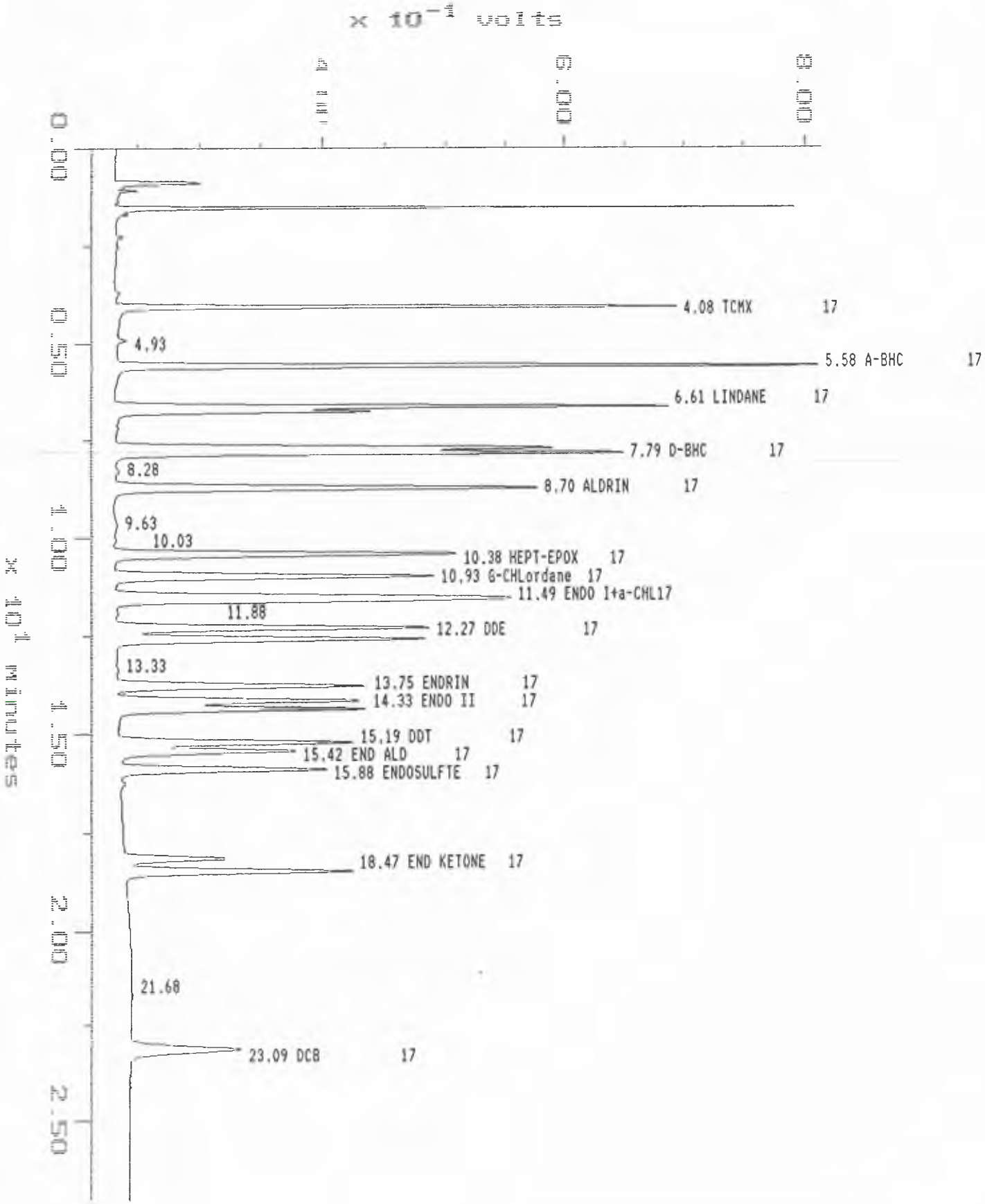
OTAL					34148555		880.00	880.00

Sample: 50 PEST-044 Channel: ECD DB-1701 Filename: 94121918
Acquired: 19-DEC-94 19:47 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 50 PEST-044 Channel: ECD DB-17 Filename: 94121918
Acquired: 19-DEC-94 19:47 Method: D:\MAX\DATA1\941219M Operator: SJL



AXIMA (c)1990 Dynamic Solutions, Division of Millipore

MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 9:03:08

SAMPLE: 50 PEST-044
#18 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 19:47
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: STND
Instrument: 3400 Varian GC
Filename: 94121918
Index: Disk

DETECTOR: ECD DB-1701

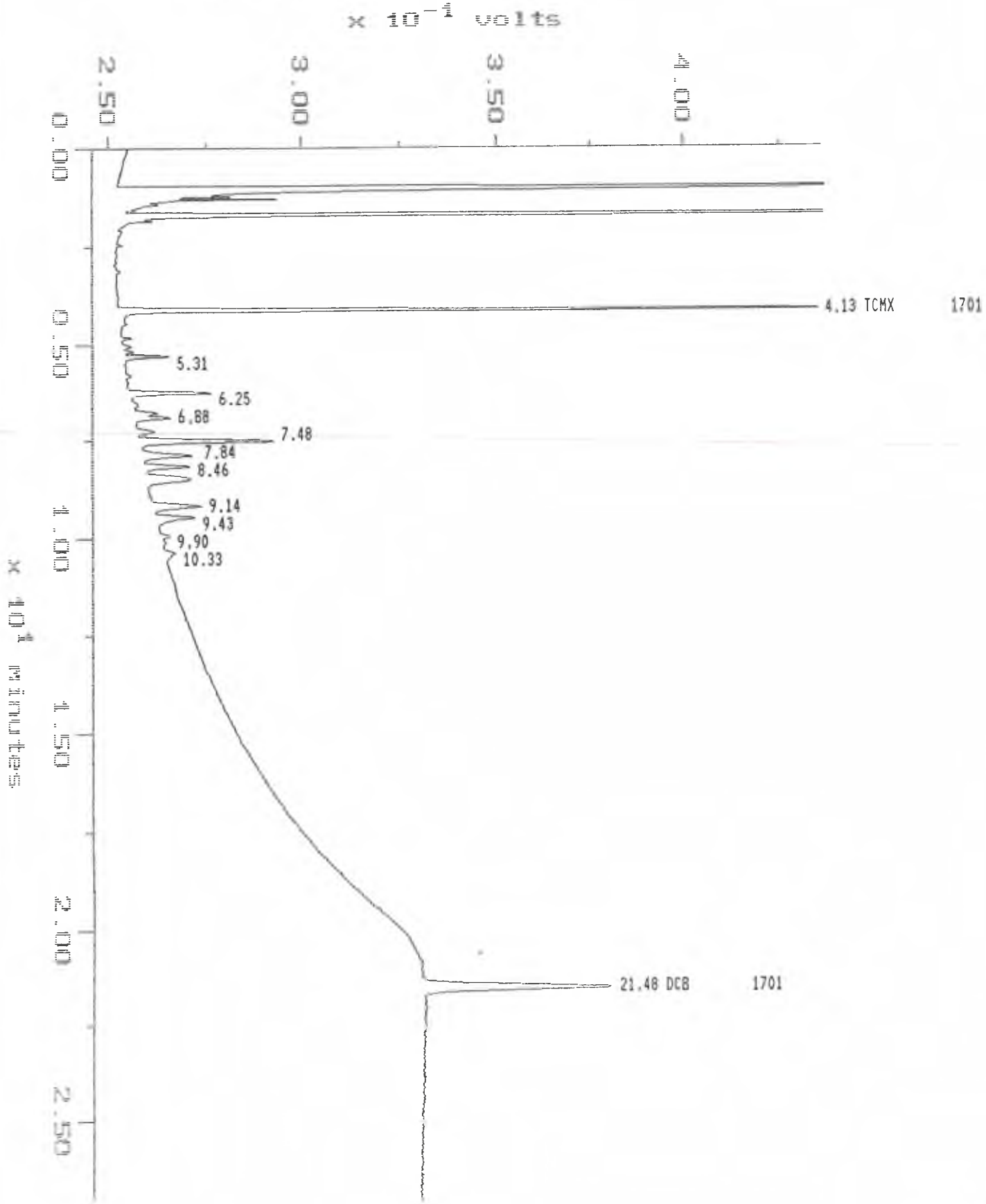
Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.125	TCMX	1701	2	2071923	4.53	50.00	50.00
1.220	5.033				24166	0.05		
1.461	6.025	A-BHC	1701	4	3216827	7.04	50.00	50.00
1.709	7.050	LINDANE	1701	7	2869838	6.28	50.00	50.00
1.889	7.792	HEPTACHLOR	1701	9	2931255	6.41	50.00	50.00
2.095	8.642	ALDRIN	1701	11	2821325	6.17	50.00	50.00
2.160	8.908	B-BHC	1701	13	1109760	2.43	50.00	50.00
2.265	9.342				10633	0.02		
2.356	9.717	D-BHC	1701	14	2763450	6.05	50.00	50.00
2.558	10.550	HEPT-EPOX	1701	16	2382622	5.21	50.00	50.00
2.788	11.500	ENDOI+G-CH	1701	19	4782547	10.46	100.00	100.00
2.844	11.733	A-CHLORDNE	1701	20	2392972	5.24	50.00	50.00
2.919	12.042	DDE	1701	21	2436891	5.33	50.00	50.00
3.051	12.583	DIELDRIN	1701	24	2410267	5.27	50.00	50.00
3.135	12.933				14701	0.03		
3.214	13.258	ENDRIN	1701	25	1987198	4.35	50.00	50.00
3.511	14.483	DDD	1701	29	1710883	3.74	50.00	50.00
3.562	14.692	ENDO II	1701	30	1910528	4.18	50.00	50.00
3.665	15.117	DDT	1701	31	1702062	3.72	50.00	50.00
3.875	15.983	END ALD	1701	35	1219656	2.67	50.00	50.00
4.119	16.992	ENDSUF+METH	1701	36	2130275	4.66	100.00	100.00
4.457	18.383	END KETONE	1701	38	1546307	3.38	50.00	50.00
5.202	21.458	DCB	1701	40	1256682	2.75	50.00	50.00
TAL					45702771		1100.00	1100.00

DETECTOR: ECD DB-17

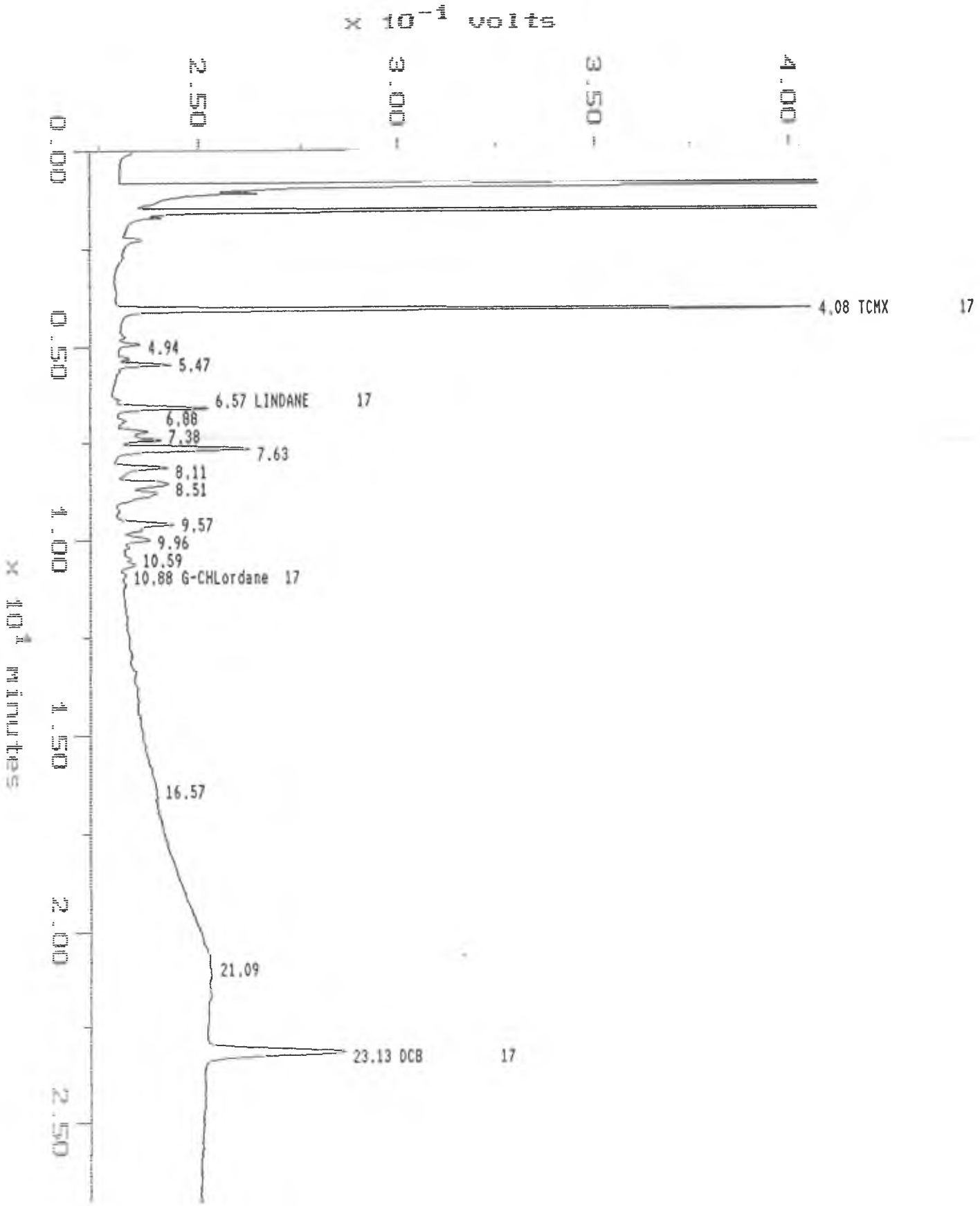
Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.075	TCMX	17	1	2112593	5.05	50.00	50.00

1.368	5.575	A-BHC	17	3	3144666	7.51	50.00	50.00
1.622	6.608	LINDANE	17	5	2790537	6.67	50.00	50.00
1.652	6.733	B-BHC	17	6	1071414	2.56	50.00	50.00
1.883	7.675	HEPTACHLOR	17	8	2344183	5.60	50.00	50.00
1.912	7.792	D-BHC	17	10	2650775	6.33	50.00	50.00
2.135	8.700	ALDRIN	17	12	2658882	6.35	50.00	50.00
2.362	9.625				54681	0.13		
2.460	10.025				13824	0.03		
2.546	10.375	HEPT-EPOX	17	15	2248983	5.37	50.00	50.00
2.683	10.933	G-CHLordane	17	17	2121647	5.07	50.00	50.00
2.820	11.492	ENDO I+a-CHL	17	18	3884547	9.28	100.00	100.00
2.916	11.883				10335	0.02		
3.010	12.267	DDE	17	22	2027227	4.84	50.00	50.00
3.080	12.550	DIELDRIN	17	23	2075590	4.96	50.00	50.00
3.272	13.333				12925	0.03		
3.374	13.750	ENDRIN	17	26	1662898	3.97	50.00	50.00
3.468	14.133	DDD	17	27	1568036	3.75	50.00	50.00
3.517	14.333	ENDO II	17	28	1683782	4.02	50.00	50.00
3.728	15.192	DDT	17	32	1580878	3.78	50.00	50.00
3.783	15.417	END ALD	17	33	1237280	2.96	50.00	50.00
3.898	15.883	ENDOSULFTE	17	34	1442720	3.45	50.00	50.00
3.982	16.225				23506	0.06		
4.454	18.150	METHOXY	17	37	702180	1.68	50.00	50.00
4.532	18.467	END KETONE	17	39	1590916	3.80	50.00	50.00
5.667	23.092	DCB	17	41	1150206	2.75	50.00	50.00
					---		---	---
TOTAL					41865213		1100.00	1100.00

Sample: 100ug/11016 0%0 Channel: ECD DB-1701 Filename: 94121903
Acquired: 19-DEC-94 11:57 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 100ug/11016 050 Channel: ECD DB-17 Filename: 94121903
Acquired: 19-DEC-94 11:57 Method: D:\MAX\DATA1\941219A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 12:53:32

SAMPLE: 100 1016 PT016
#1 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 11:57
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94121903
Index: Disk

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.125	TCMX	1701	2	695588	32.07	20.56!	20.56!
1.287	5.308	1242-1	1701	3	79268	3.66	132.14!!	132.14!!
1.515	6.250	1242-2	1701	5	108956	5.02	111.93!!	111.93!!
1.638	6.758				25936	1.20		
1.667	6.875				46593	2.15		
1.754	7.233				28096	1.30		
1.812	7.475	1242-3	1701	8	220324	10.16	100.84!	100.84!
1.901	7.842	1242-4	1701	10	91929	4.24	100.85!	100.85!
1.972	8.133	1242-5	1701	11	68454	3.16	102.10!	102.10!
2.051	8.458				128255	5.91		
2.216	9.142				89780	4.14		
2.285	9.425				74447	3.43		
2.400	9.900				15153	0.70		
2.505	10.333	1254-1	1701	13	19531	0.90	9.12	9.12
5.206	21.475	DCB	1701	33	476375	21.97	16.55	16.55
OTAL					2168685		594.08!!	594.08!!

! Result calculation based on peak response more than 10% outside of calibration range.
Result calculation based on peak response ratio outside of calibration range.

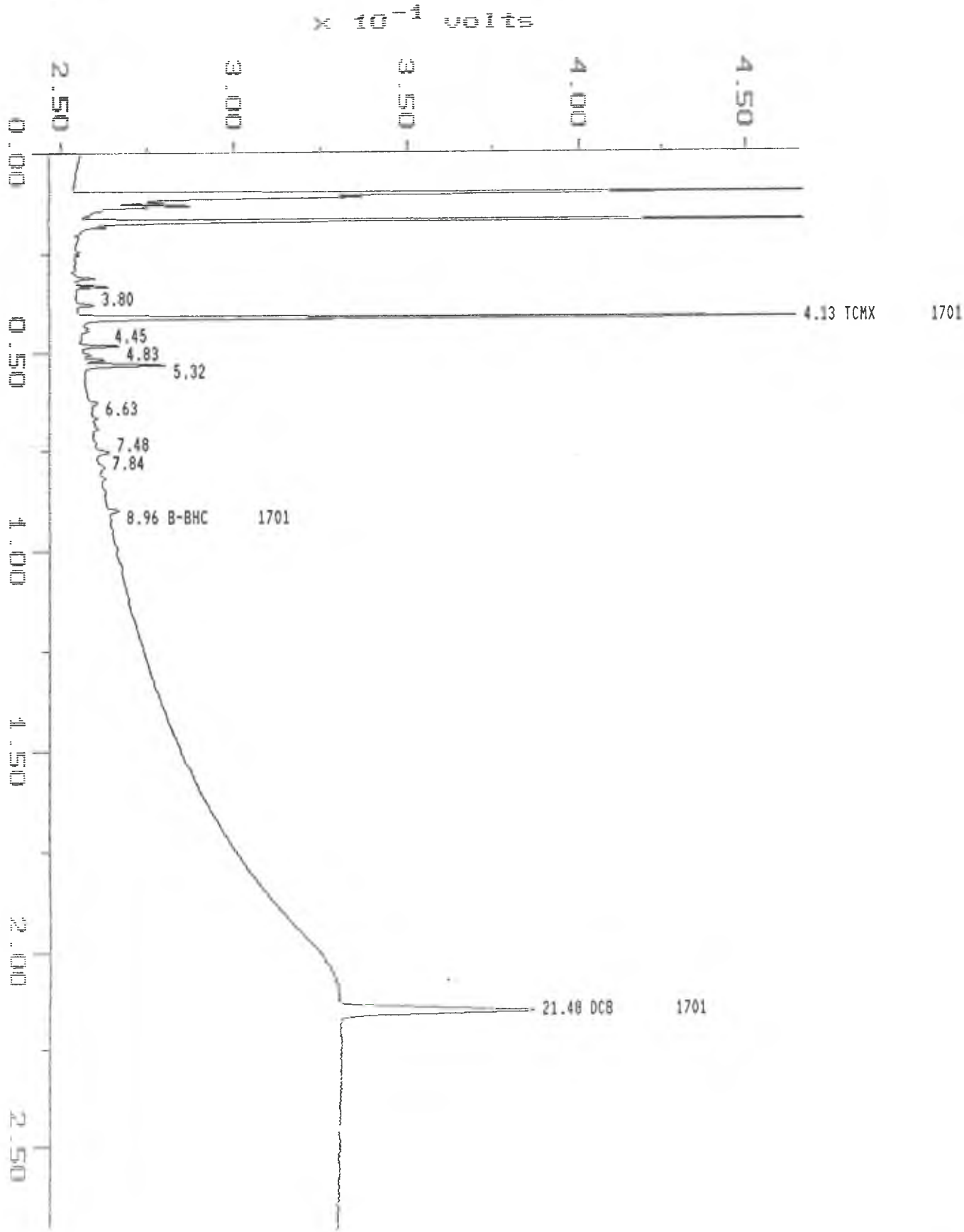
DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.075	TCMX	17	1	806767	29.01	20.39!	20.39!
1.213	4.942				32153	1.16		
1.303	5.308				12572	0.45		
1.342	5.467	1242-1	17	4	72731	2.62	108.24!	108.24!
1.611	6.567	1242-2	17	6	176572	6.35	111.65!!	111.65!!
1.687	6.875				32264	1.16		

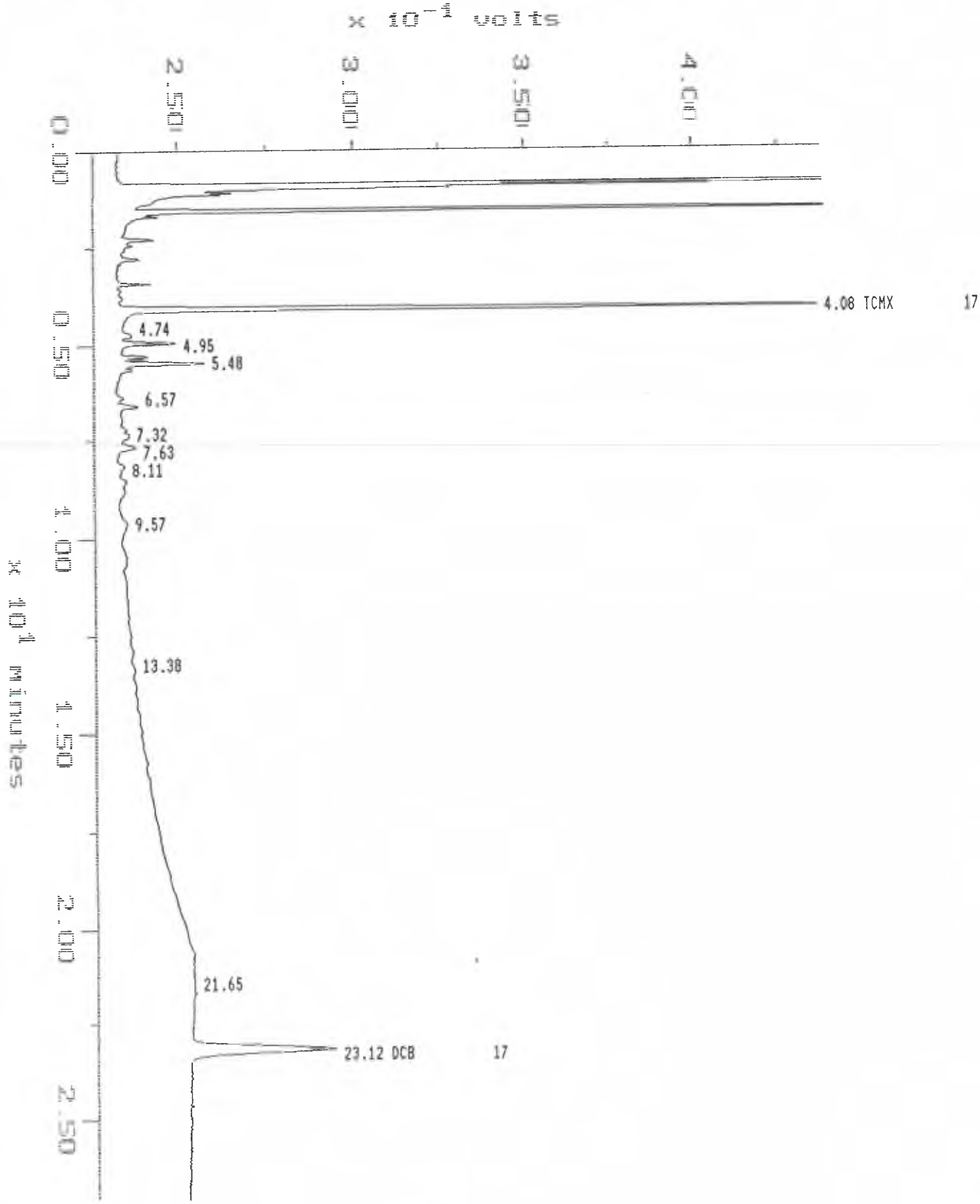
1.759	7.167				63519	2.28		
1.812	7.383	1242-3	17	7	98681	3.55	90.35	90.35
1.871	7.625	1242-4	17	9	291567	10.48	95.38	95.38
1.990	8.108	1242-5	17	12	109127	3.92	99.21	99.21
2.088	8.508				144032	5.18		
2.147	8.750				140523	5.05		
2.348	9.567				150664	5.42		
2.444	9.958				75142	2.70		
2.487	10.133				15817	0.57		
2.599	10.592				56940	2.05		
2.671	10.883	1254-1	17	15	11078	0.40	6.59	6.59
4.065	16.567	1260-4	17	29	40109	1.44	30.32	30.32
5.675	23.125	DCB	17	34	450752	16.21	20.33!	20.33!
					---		---	---
TAL					2781012		582.47!!	582.47!!

Result calculation based on peak response more than 10% outside of calibration range.
Result calculation based on peak response ratio outside of calibration range.

Sample: 200ug/l1221 011 Channel: ECD DB-1701 Filename: 94121904
Acquired: 19-DEC-94 12:26 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 200ug/11221 011 Channel: ECD DB-17 Filename: 94121904
Acquired: 19-DEC-94 12:26 Method: D:\MAX\DATA1\941219A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 12:53:55

SAMPLE: 200 21 PEST-011
#2 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 12:26
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94121904
Index: Disk

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.919	3.800				16951	1.01		
1.000	4.133	TCMX	1701	2	828985	49.64	24.51!!	24.51!!
1.077	4.450				10462	0.63		
1.167	4.825				56365	3.37		
1.250	5.167				25574	1.53		
1.286	5.317	1242-1	1701	3	108552	6.50	180.96!!	180.96!!
1.603	6.625				18413	1.10		
1.810	7.483	1242-3	1701	8	30409	1.82	13.92	13.92
1.897	7.842	1242-4	1701	10	11074	0.66	12.15	12.15
2.167	8.958				19435	1.16		
5.196	21.475	DCB	1701	33	543913	32.57	18.89	18.89
TAL					1670133		250.42!!	250.42!!

! Result calculation based on peak response more than 10% outside of calibration range.

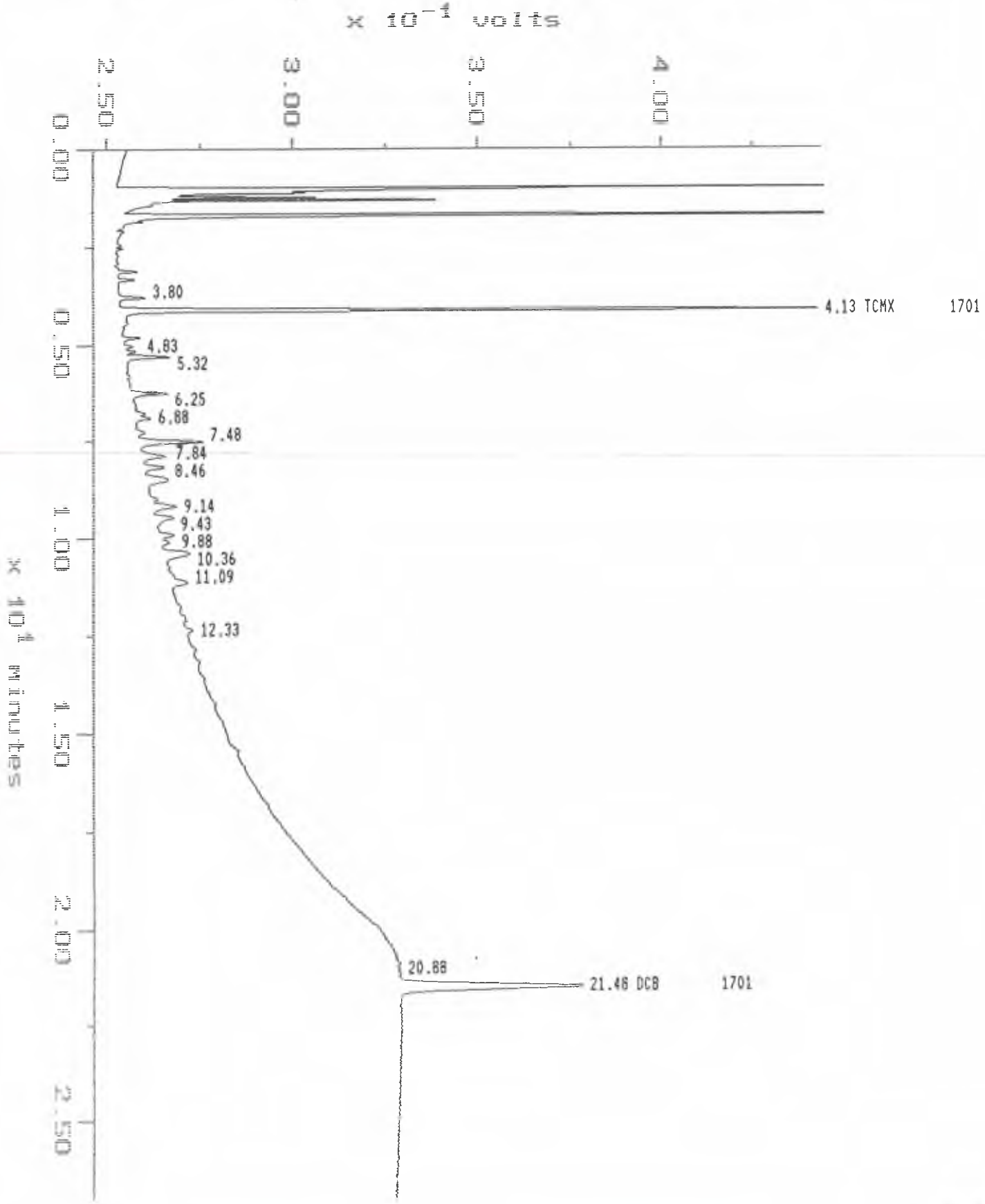
DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.083	TCMX	17	1	929254	47.32	23.49!!	23.49!!
1.161	4.742				20348	1.04		
1.212	4.950				76808	3.91		
1.300	5.308				38348	1.95		
1.341	5.475	1242-1	17	4	130140	6.63	193.69!!	193.69!!
1.608	6.567	1242-2	17	6	32588	1.66	20.61	20.61
1.792	7.317	1242-3	17	7	37897	1.93	34.70	34.70
1.867	7.625	1242-4	17	9	40622	2.07	13.29	13.29
1.986	8.108	1242-5	17	12	16045	0.82	14.59	14.59
2.343	9.567				29693	1.51		
3.276	13.375	1260-1	17	23	10448	0.53	5.35	5.35

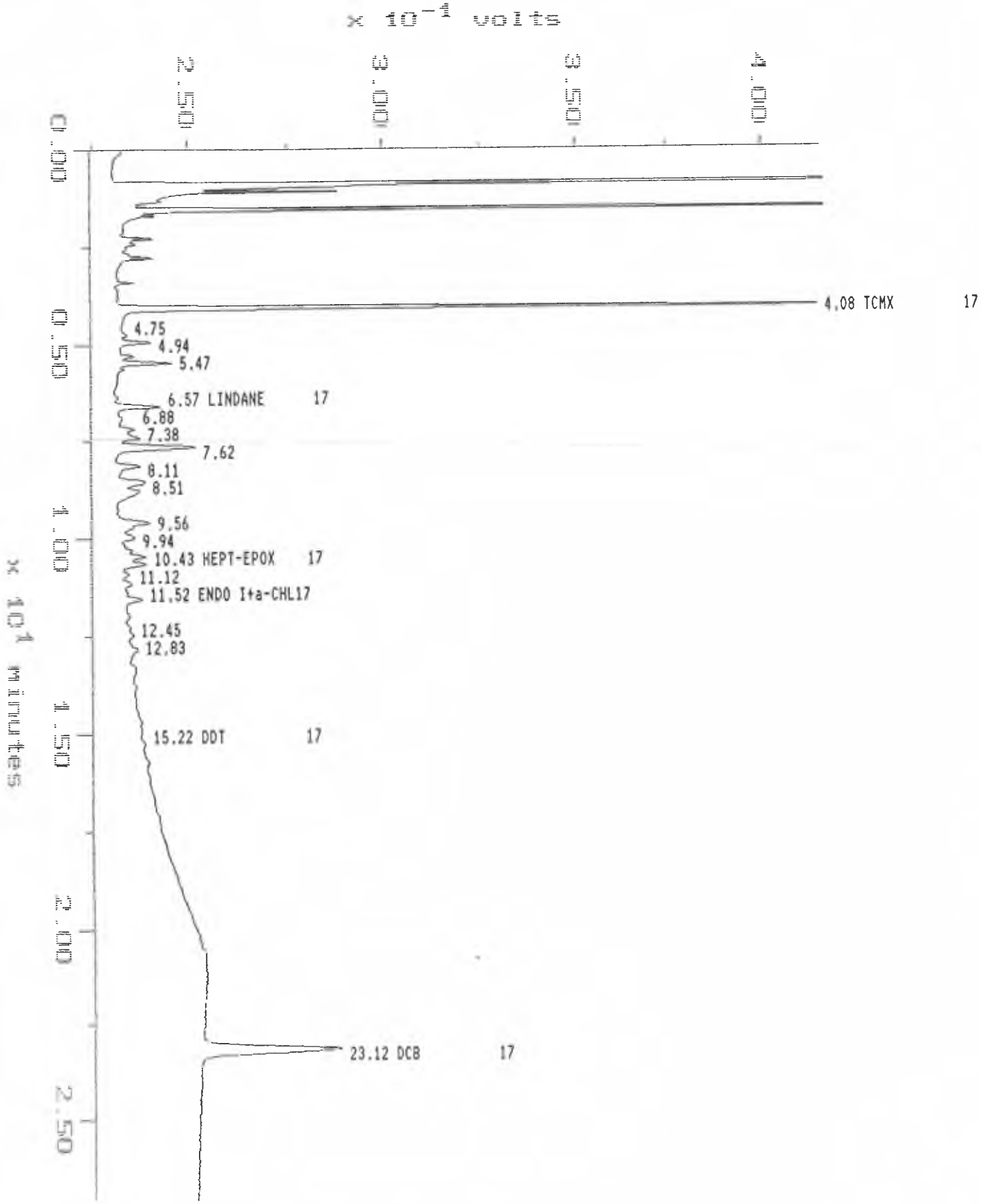
5.302	21.650				81533	4.15		
5.661	23.117	DCB	17	34	520117	26.48	23.46!!	23.46!!
					---		---	---
TAL					1963842		329.16!!	329.16!!

Result calculation based on peak response more than 10% outside of calibration range.

Sample: 100ug/L1232 012 Channel: ECD DB-1701 Filename: 94121905
Acquired: 19-DEC-94 12:55 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 100ug/L1232 012 Channel: ECD DB-17 Filename: 94121905
Acquired: 19-DEC-94 12:55 Method: D:\MAX\DATA1\941219A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 12:54:19

SAMPLE: 100 32 PEST-012
#3 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 12:55
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94121905
Index: Disk

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.919	3.800				23556	1.21		
1.000	4.133	TCMX	1701	2	720561	37.07	21.30!	21.30!
1.167	4.825				21734	1.12		
1.218	5.033				10575	0.54		
1.250	5.167				11464	0.59		
1.286	5.317	1242-1	1701	3	55541	2.86	92.59	92.59
1.512	6.250	1242-2	1701	5	45871	2.36	47.12	47.12
1.635	6.758				16934	0.87		
1.663	6.875				21231	1.09		
1.752	7.242				11613	0.60		
1.810	7.483	1242-3	1701	8	109765	5.65	50.24	50.24
1.897	7.842	1242-4	1701	10	45568	2.34	49.99	49.99
1.970	8.142	1242-5	1701	11	32378	1.67	48.29	48.29
2.046	8.458				63628	3.27		
2.169	8.967				10209	0.53		
2.212	9.142				48688	2.50		
2.280	9.425				37395	1.92		
2.391	9.883				25423	1.31		
2.433	10.058				13987	0.72		
2.506	10.358	1254-1	1701	13	73535	3.78	34.32	34.32
2.683	11.092				45481	2.34		
2.982	12.325	1254-4	1701	18	10825	0.56	4.02	4.02
5.198	21.483	DCB	1701	33	487887	25.10	16.95	16.95
TAL					1943849		364.82!	364.82!

Result calculation based on peak response ratio outside of calibration range.

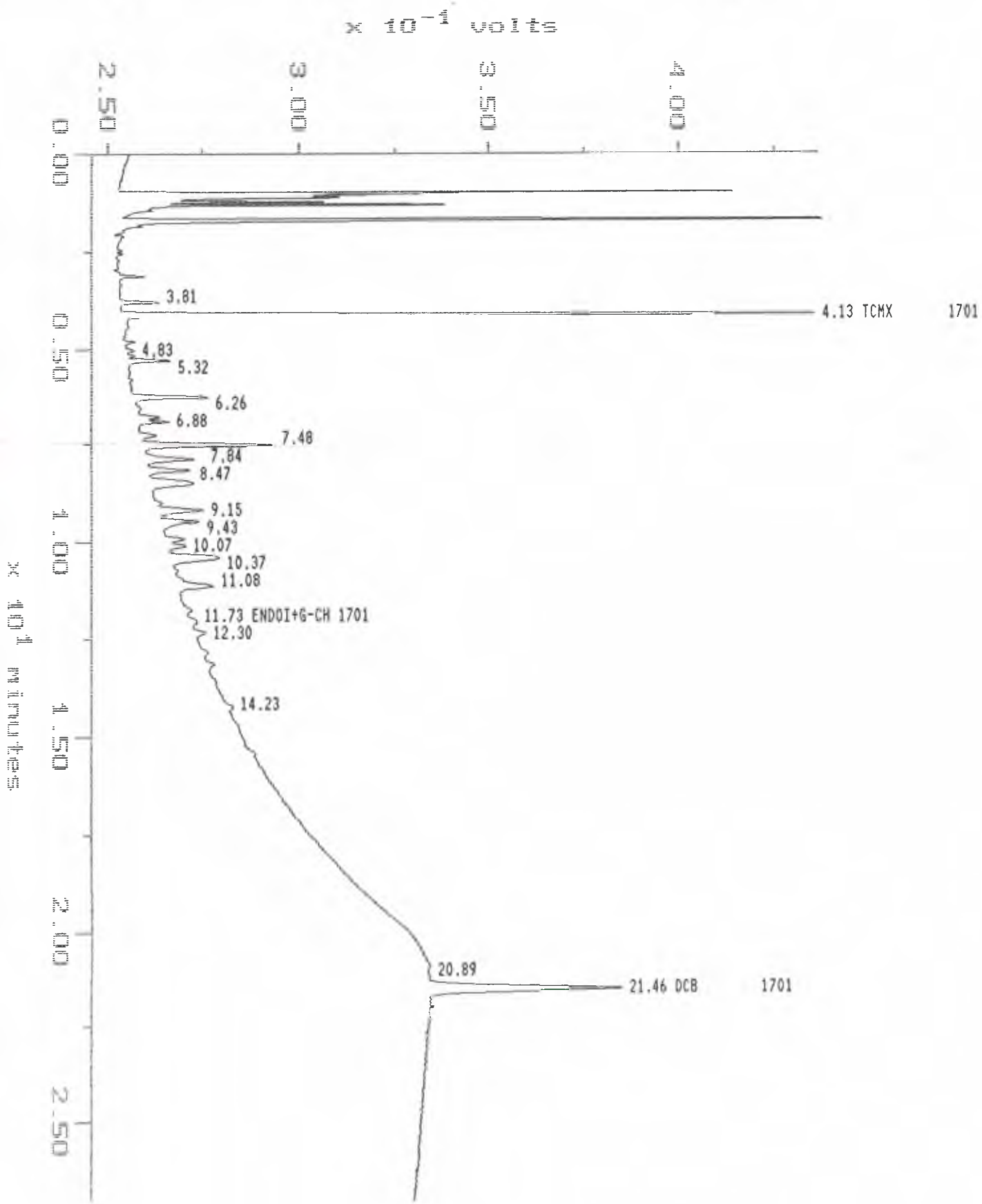
DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)

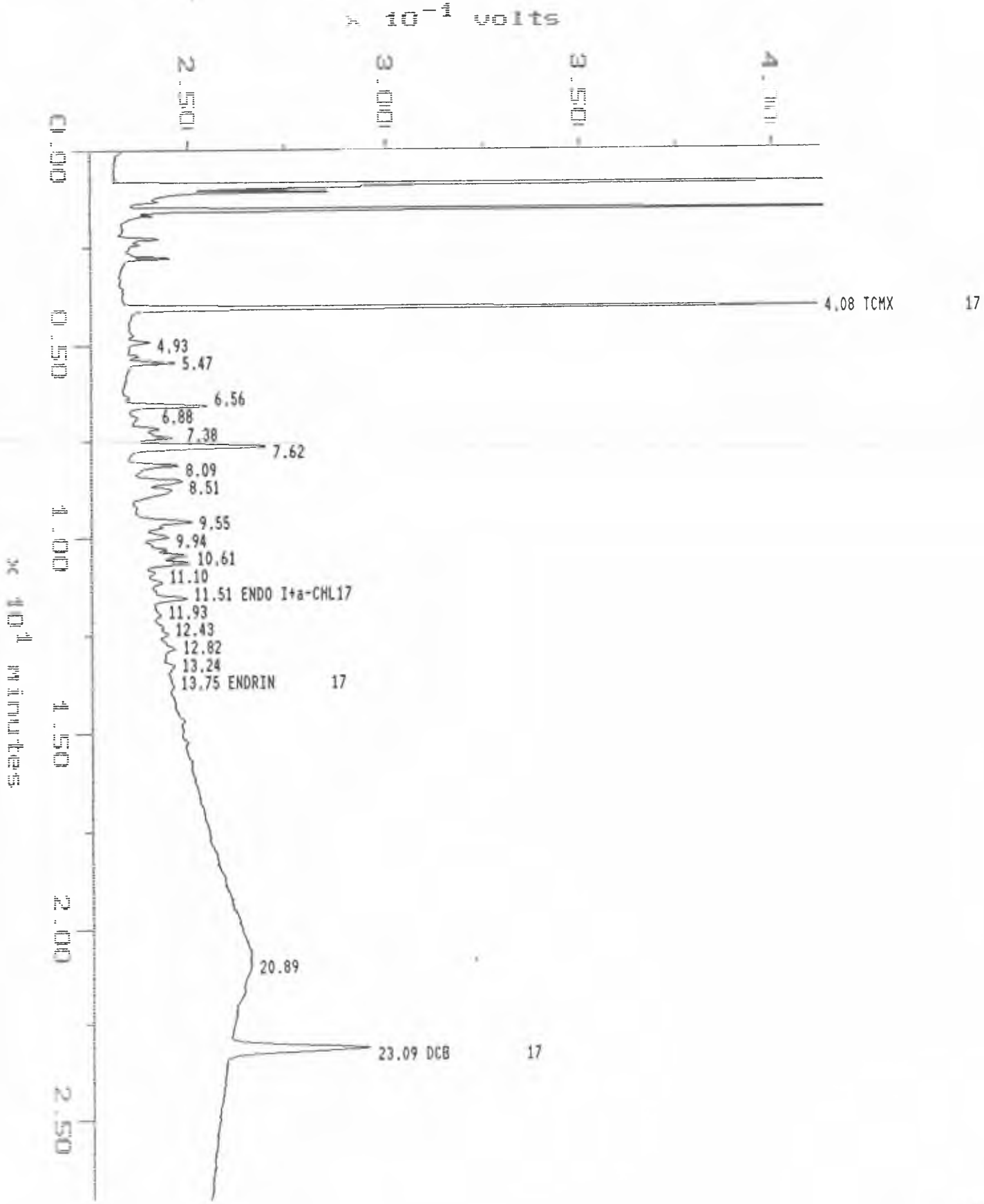
1.000	4.075	TCMX	17	1	838243	34.36	21.18!	21.18!
1.166	4.750				10466	0.43		
1.213	4.942				42726	1.75		
1.301	5.300				20434	0.84		
1.342	5.467	1242-1	17	4	78511	3.22	116.85!!	116.85!!
1.611	6.567	1242-2	17	6	94376	3.87	59.68	59.68
1.689	6.883				26739	1.10		
1.759	7.167				37046	1.52		
1.812	7.383	1242-3	17	7	64425	2.64	58.99	58.99
1.869	7.617	1242-4	17	9	179527	7.36	58.73	58.73
1.990	8.108	1242-5	17	12	57209	2.34	52.01	52.01
2.088	8.508				89024	3.65		
2.147	8.750				84672	3.47		
2.346	9.558				95337	3.91		
2.440	9.942				38812	1.59		
2.560	10.433				77165	3.16		
2.607	10.625				59578	2.44		
2.728	11.117	1254-2	17	16	15837	0.65	7.70	7.70
2.826	11.517				35544	1.46		
3.055	12.450	1254-3	17	19	17543	0.72	13.22	13.22
3.147	12.825	1254-4	17	20	17737	0.73	5.97	5.97
3.734	15.217	1260-3	17	28	4739	0.19	2.48	2.48
5.673	23.117	DCB	17	34	454221	18.62	20.49!	20.49!
TAL					2439908		417.30!!	417.30!!

Result calculation based on peak response more than 10% outside of calibration range.
Result calculation based on peak response ratio outside of calibration range.

Sample: 100ug/11242 013 Channel: ECD DB-1701 Filename: 94121906
Acquired: 19-DEC-94 13:24 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 100ug/11242 013 Channel: ECD DB-17 Filename: 94121906
Acquired: 19-DEC-94 13:24 Method: D:\MAX\DATA1\941219A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 12:49:58

SAMPLE: 100 42 PEST-013
#4 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 13:24
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: STND
Instrument: 3400 Varian GC
Filename: 94121906
Index: Disk

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.921	3.808				35093	1.41		
1.000	4.133	TCMX	1701	2	690734	27.79	20.00	20.00
1.167	4.825				13984	0.56		
1.218	5.033				11174	0.45		
1.286	5.317	1242-1	1701	3	59988	2.41	100.00	100.00
1.514	6.258	1242-2	1701	5	97343	3.92	100.00	100.00
1.635	6.758				23619	0.95		
1.665	6.883				40537	1.63		
1.750	7.233				25398	1.02		
1.810	7.483	1242-3	1701	8	218497	8.79	100.00	100.00
1.897	7.842	1242-4	1701	10	91158	3.67	100.00	100.00
1.968	8.133	1242-5	1701	11	67043	2.70	100.00	100.00
2.048	8.467				124974	5.03		
2.167	8.958				10562	0.42		
2.214	9.150				87626	3.53		
2.282	9.433				76613	3.08		
2.391	9.883				32341	1.30		
2.435	10.067				30360	1.22		
2.508	10.367	1254-1	1701	13	132772	5.34	Invalid	Invalid
2.681	11.083				87500	3.52		
2.837	11.725	1254-3	1701	17	13753	0.55	Invalid	Invalid
2.976	12.300	1254-4	1701	18	18457	0.74	Invalid	Invalid
3.444	14.233				16976	0.68		
5.192	21.458	DCB	1701	33	478937	19.27	20.00	20.00
AL					2485437		540.00	540.00

DETECTOR: ECD DB-17

elative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)

1.000	4.075	TCMX	17	1	805294	25.33	20.00	20.00
1.211	4.933				36159	1.14		
1.301	5.300				14027	0.44		
1.342	5.467	1242-1	17	4	67191	2.11	100.00	100.00
1.609	6.558	1242-2	17	6	158144	4.97	100.00	100.00
1.689	6.883				41818	1.32		
1.757	7.158				60545	1.90		
1.810	7.375	1242-3	17	7	109221	3.43	100.00	100.00
1.869	7.617	1242-4	17	9	305677	9.61	100.00	100.00
1.986	8.092	1242-5	17	12	109994	3.46	100.00	100.00
2.088	8.508				150123	4.72		
2.141	8.725				139772	4.40		
2.344	9.550				163895	5.15		
2.440	9.942				71675	2.25		
2.517	10.258				58447	1.84		
2.556	10.417				89381	2.81		
2.603	10.608				97594	3.07		
2.665	10.858	1254-1	17	15	15968	0.50	Invalid	Invalid
2.724	11.100	1254-2	17	16	34593	1.09	Invalid	Invalid
2.824	11.508				88755	2.79		
2.928	11.933				21575	0.68		
3.051	12.433	1254-3	17	19	31722	1.00	Invalid	Invalid
3.145	12.817	1254-4	17	20	32188	1.01	Invalid	Invalid
3.249	13.242	1254-5	17	22	19916	0.63	Invalid	Invalid
3.374	13.750	1260-2	17	25	17137	0.54	Invalid	Invalid
5.667	23.092	DCB	17	34	438958	13.80	20.00	20.00
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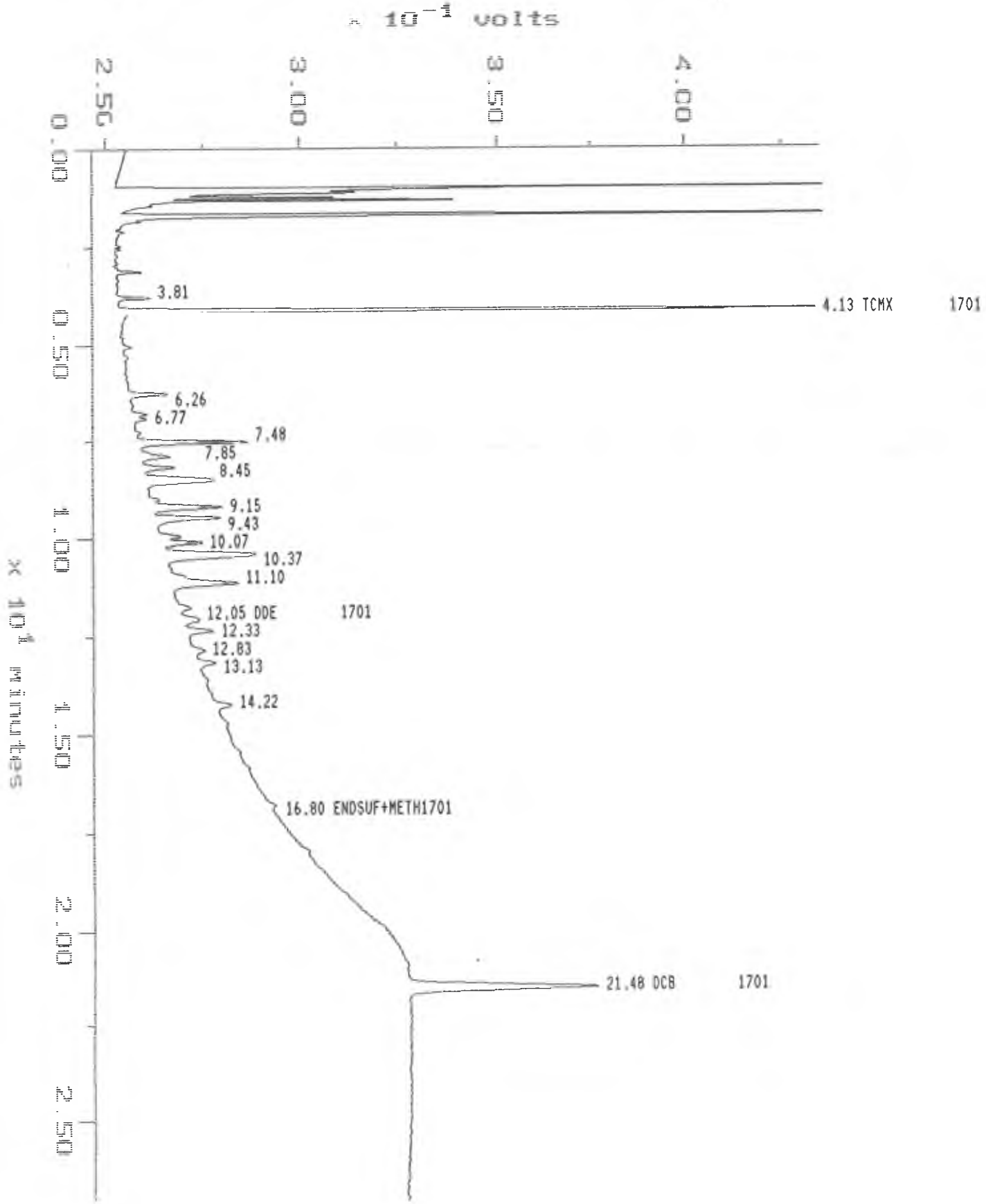
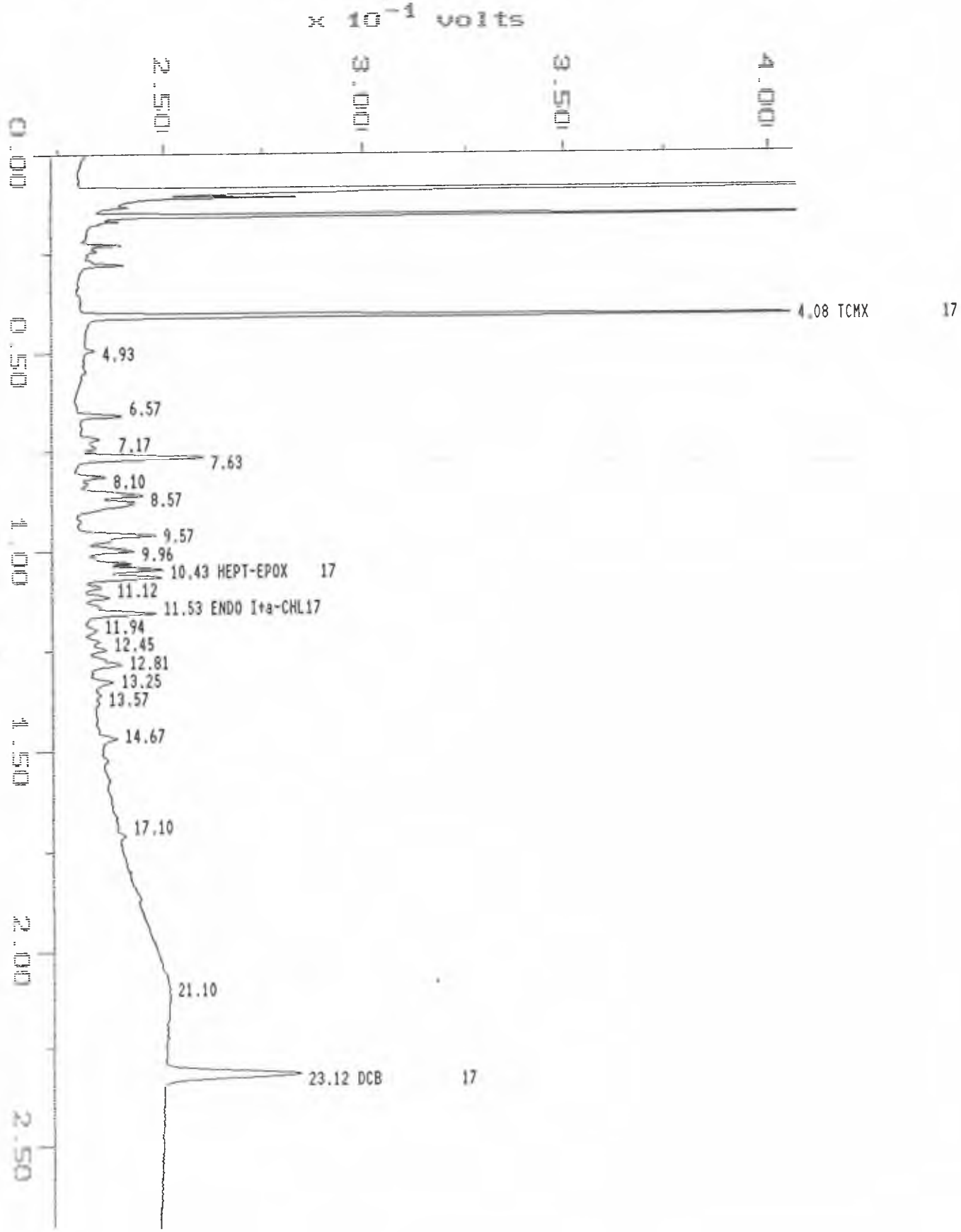
TAL					3179768		540.00	540.00

Sample: 100ug/l1248 014 Channel: ECD DB-1701 Filename: 94121907
Acquired: 19-DEC-94 13:53 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 100ug/11248 014 Channel: ECD DB-17 Filename: 94121907
Acquired: 19-DEC-94 13:53 Method: D:\MAX\DATA1\941219A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 12:54:59

SAMPLE: 100 48 PEST-014
#5 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 13:53
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94121907
Index: Disk

DETECTOR: ECD DB-1701

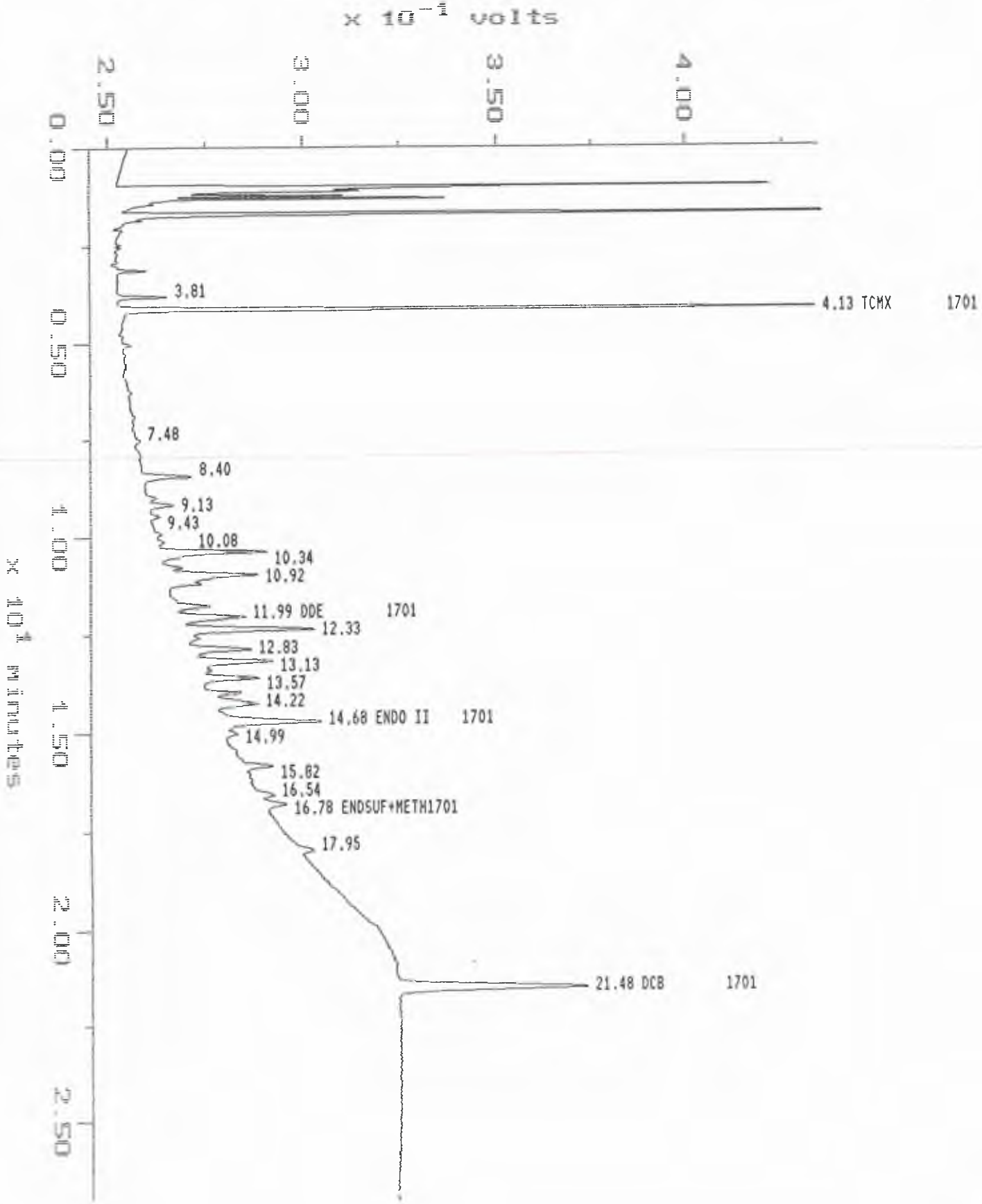
Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.921	3.808				29829	1.08		
1.000	4.133	TCMX	1701	2	683179	24.71	20.20!	20.20!
1.514	6.258	1242-2	1701	5	50062	1.81	51.43	51.43
1.637	6.767				18070	0.65		
1.665	6.883				16335	0.59		
1.810	7.483	1242-3	1701	8	185773	6.72	85.02	85.02
1.899	7.850	1242-4	1701	10	56118	2.03	61.56	61.56
1.970	8.142	1242-5	1701	11	45594	1.65	68.01	68.01
2.044	8.450				196938	7.12		
2.169	8.967				12260	0.44		
2.214	9.150				132028	4.78		
2.282	9.433				119984	4.34		
2.397	9.908				31014	1.12		
2.435	10.067				67701	2.45		
2.508	10.367	1254-1	1701	13	245999	8.90	114.82!!	114.82!!
2.685	11.100				173375	6.27		
2.839	11.733				24967	0.90		
2.915	12.050	1254-3	1701	17	46015	1.66	29.56	29.56
2.982	12.325	1254-4	1701	18	45874	1.66	17.04	17.04
3.103	12.825				19034	0.69		
3.177	13.133	1254-5	1701	21	31154	1.13	16.88	16.88
3.440	14.217				30099	1.09		
4.065	16.800	1260-4	1701	30	-36119	1.31	Invalid	Invalid
5.198	21.483	DCB	1701	33	466743	16.88	16.21	16.21
TAL					2764265		480.73!!	480.73!!

Result calculation based on peak response more than 10% outside of calibration range.
Result calculation based on peak response ratio outside of calibration range.

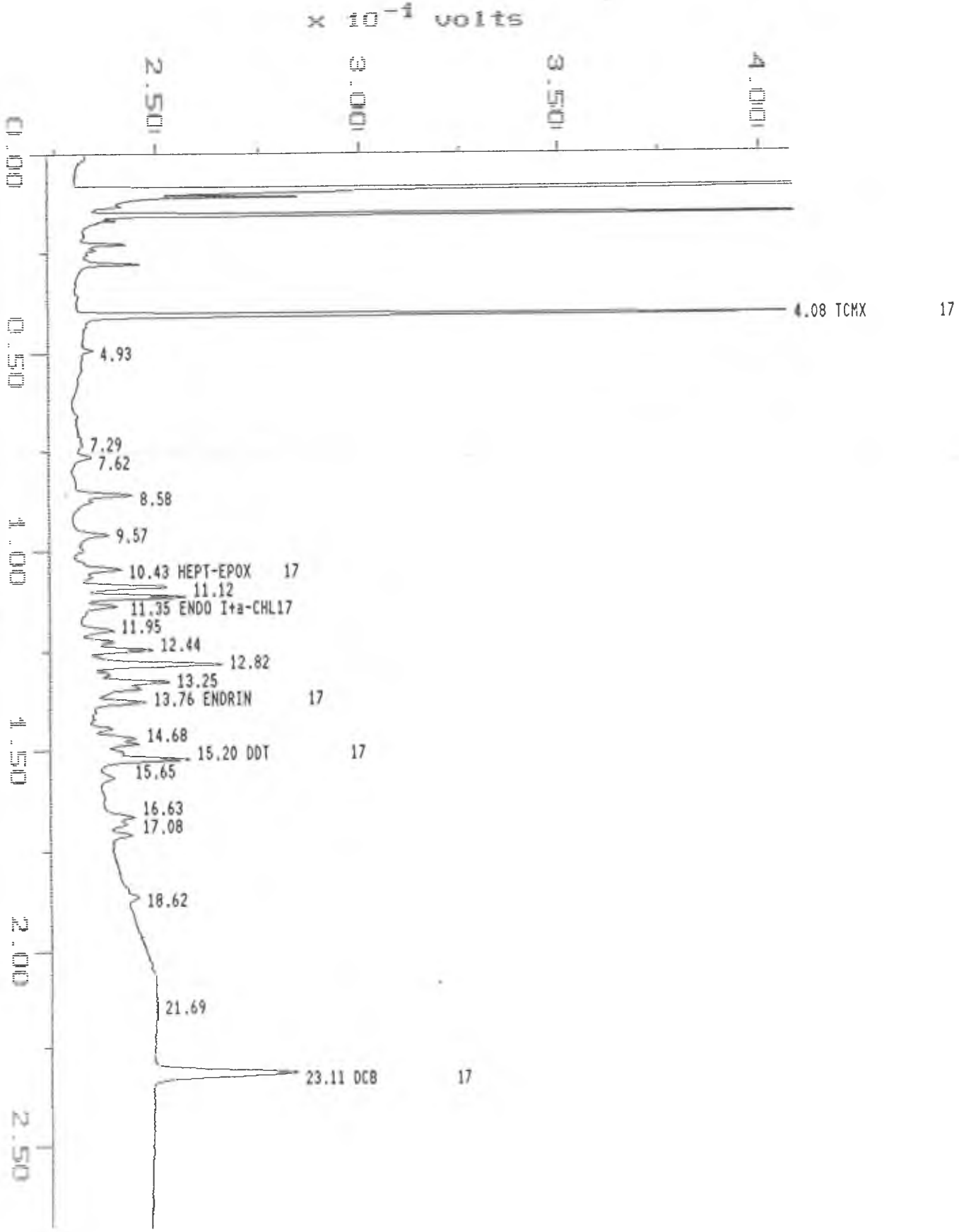
DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.083	TCMX	17	1	793010	22.69	20.04	20.04
1.208	4.933				11544	0.33		
1.608	6.567	1242-2	17	6	66848	1.91	42.27	42.27
1.755	7.167				28524	0.82		
1.808	7.383	1242-3	17	7	42880	1.23	39.26	39.26
1.867	7.625	1242-4	17	9	257393	7.37	84.20	84.20
1.984	8.100	1242-5	17	12	48963	1.40	44.51	44.51
2.029	8.283				21319	0.61		
2.098	8.567				155789	4.46		
2.141	8.742				194594	5.57		
2.343	9.567				200166	5.73		
2.439	9.958				119340	3.41		
2.514	10.267				106087	3.04		
2.555	10.433				149549	4.28		
2.602	10.625				153359	4.39		
2.663	10.875	1254-1	17	15	32321	0.92	19.24	19.24
2.722	11.117	1254-2	17	16	46748	1.34	22.73	22.73
2.822	11.525				155212	4.44		
2.924	11.942				22232	0.64		
3.000	12.250				23946	0.69		
3.049	12.450	1254-3	17	19	34134	0.98	25.73	25.73
3.137	12.808	1254-4	17	20	88197	2.52	29.71	29.71
3.245	13.250	1254-5	17	22	44195	1.26	25.59	25.59
3.322	13.567				16462	0.47		
3.592	14.667				36314	1.04		
4.188	17.100				18269	0.52		
5.167	21.100				190074	5.44		
5.661	23.117	DCB	17	34	437313	12.51	19.72	19.72
TAL					3494781		373.01	373.01

Sample: 100ug/11254 015 Channel: ECD DB-1701 Filename: 94121908
Acquired: 19-DEC-94 14:22 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 100ug/11254 015 Channel: ECD DB-17 Filename: 94121908
Acquired: 19-DEC-94 14:22 Method: D:\MAX\DATA1\941219M Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 12:50:41

SAMPLE: 100 54 PEST-015
#6 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 14:22
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: STND
Instrument: 3400 Varian GC
Filename: 94121908
Index: Disk

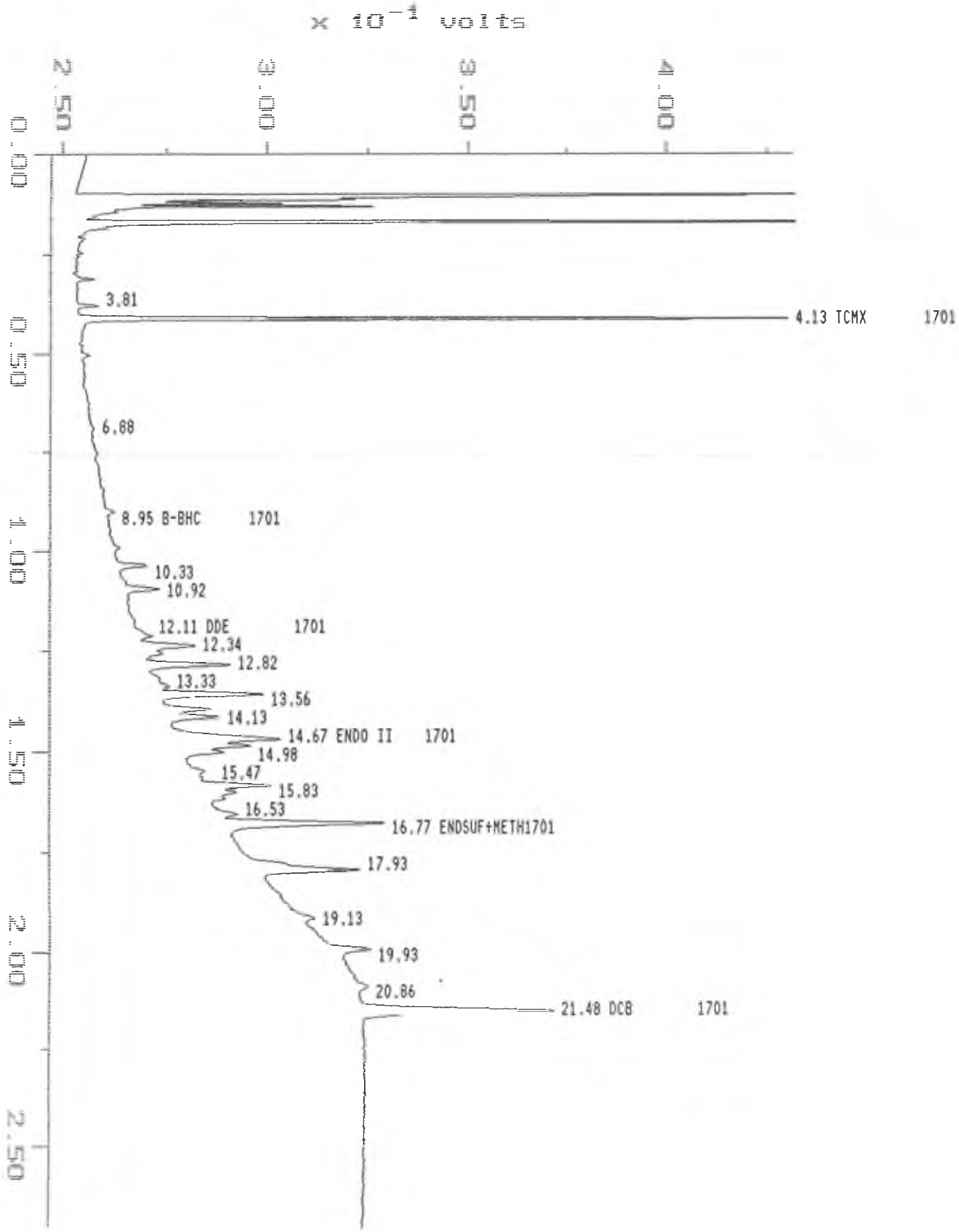
DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.921	3.808				43751	1.23		
1.000	4.133	TCMX	1701	2	682376	19.15	20.06	20.06
1.808	7.475	1242-3	1701	8	15454	0.43	Invalid	Invalid
2.032	8.400				87128	2.44		
2.171	8.975				13582	0.38		
2.210	9.133				44172	1.24		
2.282	9.433				14860	0.42		
2.393	9.892				14192	0.40		
2.437	10.075				12705	0.36		
2.502	10.342	1254-1	1701	13	214253	6.01	100.00	100.00
2.597	10.733				30729	0.86		
2.641	10.917	1254-2	1701	14	259229	7.27	100.00	100.00
2.698	11.150				17391	0.49		
2.837	11.725				69386	1.95		
2.901	11.992	1254-3	1701	17	155652	4.37	100.00	100.00
2.982	12.325	1254-4	1701	18	269163	7.55	100.00	100.00
3.103	12.825				118490	3.32		
3.177	13.133	1254-5	1701	21	184608	5.18	100.00	100.00
3.282	13.567	1260-1	1701	24	113648	3.19	3.44	3.44
3.373	13.942				63290	1.78		
3.440	14.217				128503	3.61		
3.550	14.675	1260-2	1701	26	271025	7.60	Invalid	Invalid
3.627	14.992				14169	0.40		
3.827	15.817				60840	1.71		
4.002	16.542				18959	0.53		
4.060	16.783	1260-4	1701	30	41413	1.16	8.85	8.85
4.343	17.950	1260-5	1701	32	29396	0.82	Invalid	Invalid
5.198	21.483	DCB	1701	33	575798	16.16	20.00	20.00
TAL					3564163		552.35	552.35

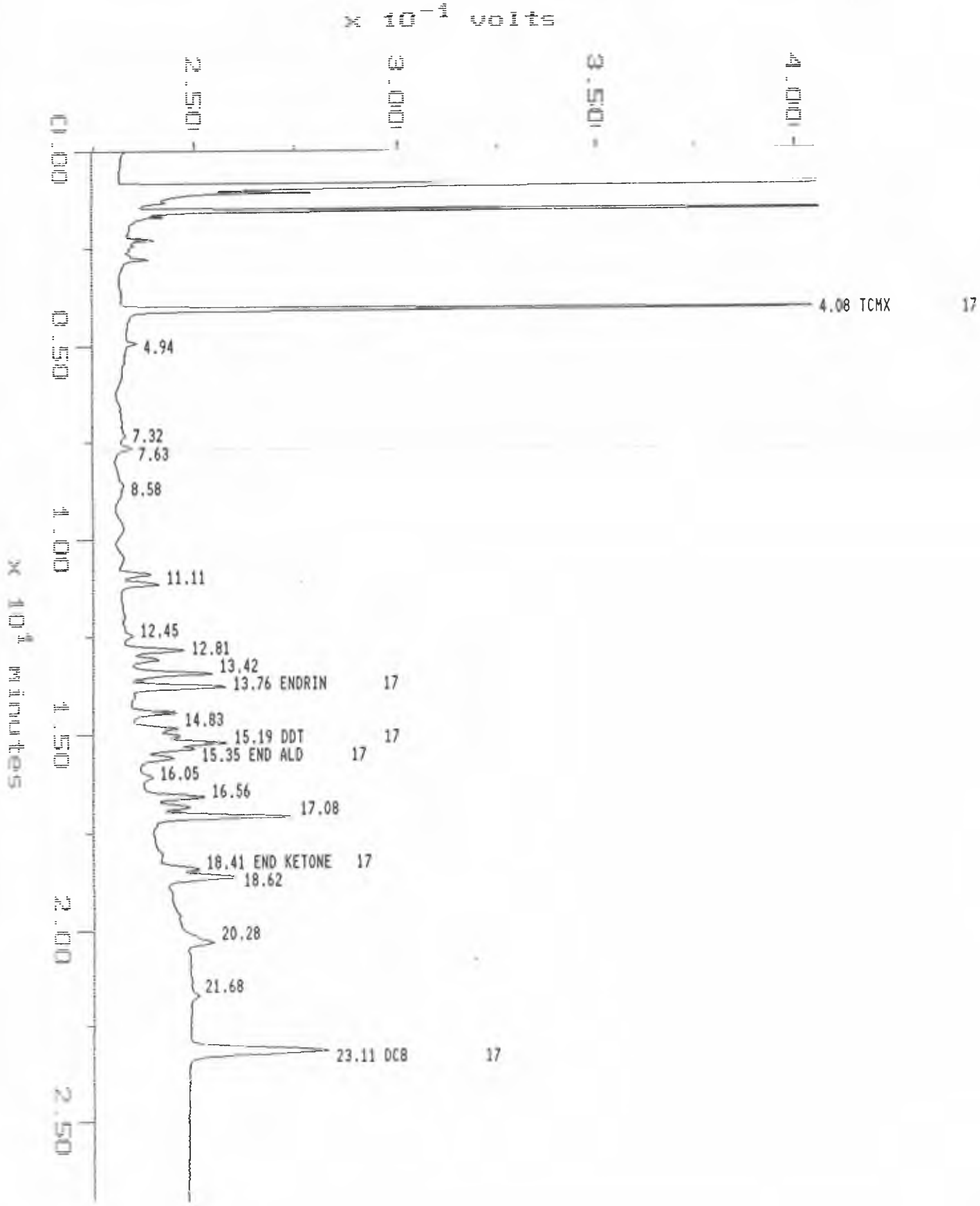
DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.075	TCMX	17	1	795504	19.57	20.02	20.02
1.211	4.933				12560	0.31		
1.789	7.292	1242-3	17	7	21342	0.52	Invalid	Invalid
1.869	7.617	1242-4	17	9	41747	1.03	Invalid	Invalid
2.104	8.575				146474	3.60		
2.348	9.567				112688	2.77		
2.558	10.425				136449	3.36		
2.667	10.867	1254-1	17	15	167998	4.13	100.00	100.00
2.728	11.117	1254-2	17	16	205674	5.06	100.00	100.00
2.785	11.350				78504	1.93		
2.933	11.950				62248	1.53		
3.002	12.233				58769	1.45		
3.053	12.442	1254-3	17	19	132673	3.26	100.00	100.00
3.145	12.817	1254-4	17	20	296878	7.30	100.00	100.00
3.204	13.058				44702	1.10		
3.252	13.250	1254-5	17	22	172726	4.25	100.00	100.00
3.290	13.408	1260-1	17	23	134433	3.31	Invalid	Invalid
3.376	13.758	1260-2	17	25	135240	3.33	Invalid	Invalid
3.540	14.425				39163	0.96		
3.601	14.675				76704	1.89		
3.634	14.808				94446	2.32		
3.730	15.200	1260-3	17	28	257478	6.33	7.20	7.20
3.840	15.650				36784	0.90		
4.082	16.633				61152	1.50		
4.127	16.817				37873	0.93		
4.192	17.083	1260-5	17	31	41015	1.01	Invalid	Invalid
4.569	18.617				35191	0.87		
5.323	21.692				180907	4.45		
5.671	23.108	DCB	17	34	448539	11.03	20.00	20.00
TAL					4065861		547.22	547.22

Sample: 100ug/l 1260 Channel: ECD DB-1701 Filename: 94121909
Acquired: 19-DEC-94 14:51 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 100ug/l 1260 Channel: ECD DB-17 Filename: 94121909
Acquired: 19-DEC-94 14:51 Method: D:\MAX\DATA1\941219A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 12:51:06

SAMPLE: 100 60 PEST-016
#7 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 14:51
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: STND
Instrument: 3400 Varian GC
Filename: 94121909
Index: Disk

DETECTOR: ECD DB-1701

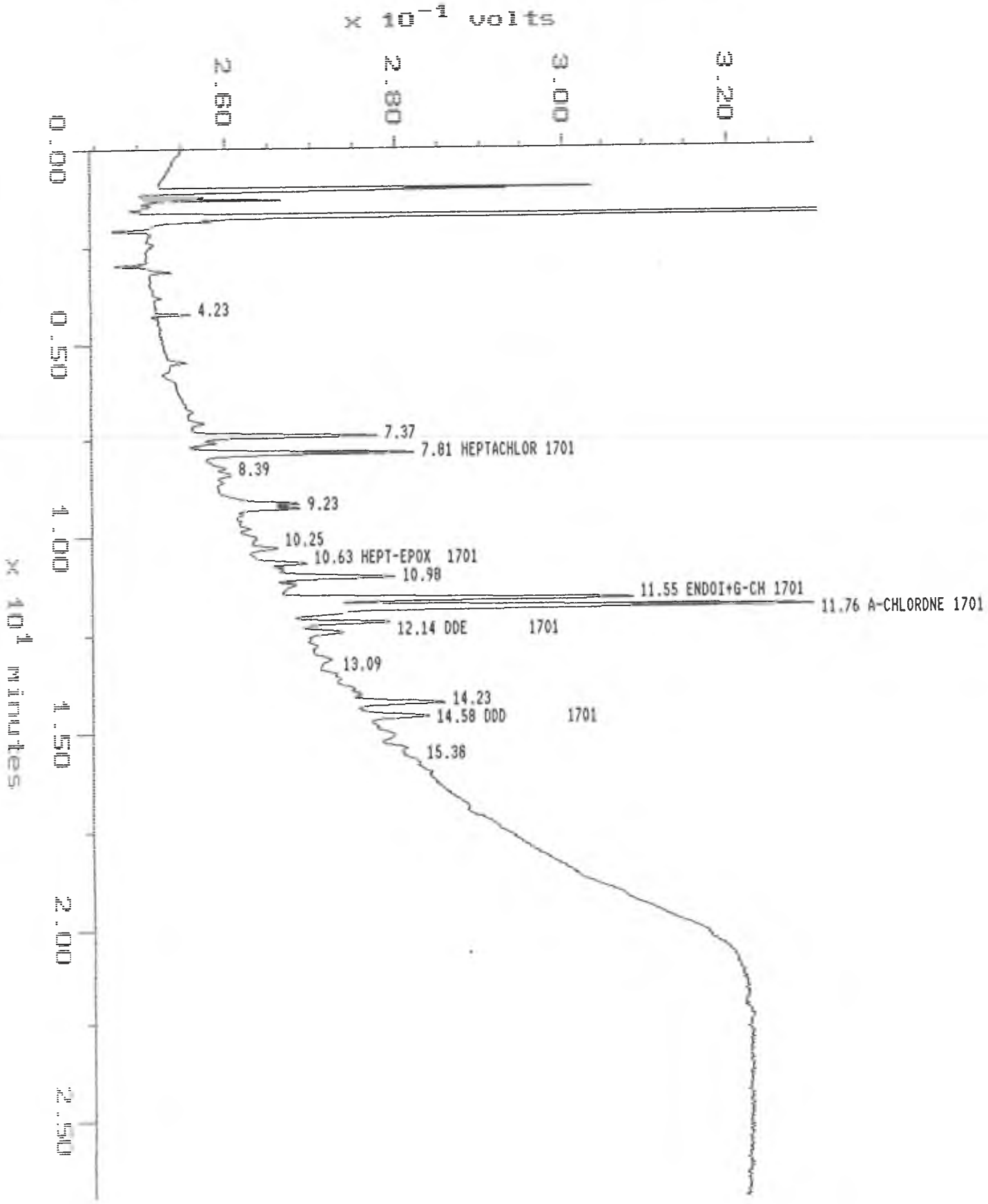
Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.921	3.808				16940	0.50		
1.000	4.133	TCMX	1701	2	672782	19.68	20.00	20.00
1.663	6.875				-15743	0.46		
2.165	8.950				18853	0.55		
2.500	10.333	1254-1	1701	13	48074	1.41	Invalid	Invalid
2.641	10.917	1254-2	1701	14	60989	1.78	Invalid	Invalid
2.929	12.108	1254-3	1701	17	42827	1.25	Invalid	Invalid
2.986	12.342	1254-4	1701	18	109213	3.19	Invalid	Invalid
3.028	12.517				37340	1.09		
3.101	12.817				148810	4.35		
3.226	13.333				11222	0.33		
3.280	13.558	1260-1	1701	24	179792	5.26	100.00	100.00
3.369	13.925				83966	2.46		
3.417	14.125				92592	2.71		
3.548	14.667	1260-2	1701	26	266360	7.79	100.00	100.00
3.589	14.833	1260-3	1701	27	134231	3.93	100.00	100.00
3.625	14.983				71456	2.09		
3.742	15.467				14218	0.42		
3.831	15.833				115339	3.37		
3.871	16.000				50731	1.48		
3.907	16.150				27602	0.81		
4.000	16.533				35343	1.03		
4.056	16.767	1260-4	1701	30	323196	9.45	100.00	100.00
4.337	17.925	1260-5	1701	32	264951	7.75	100.00	100.00
4.627	19.125				16805	0.49		
4.821	19.925				55420	1.62		
5.046	20.858				38557	1.13		
5.196	21.475	DCB	1701	33	464943	13.60	20.00	20.00
TAL					3418294		540.00	540.00

DETECTOR: ECD DB-17

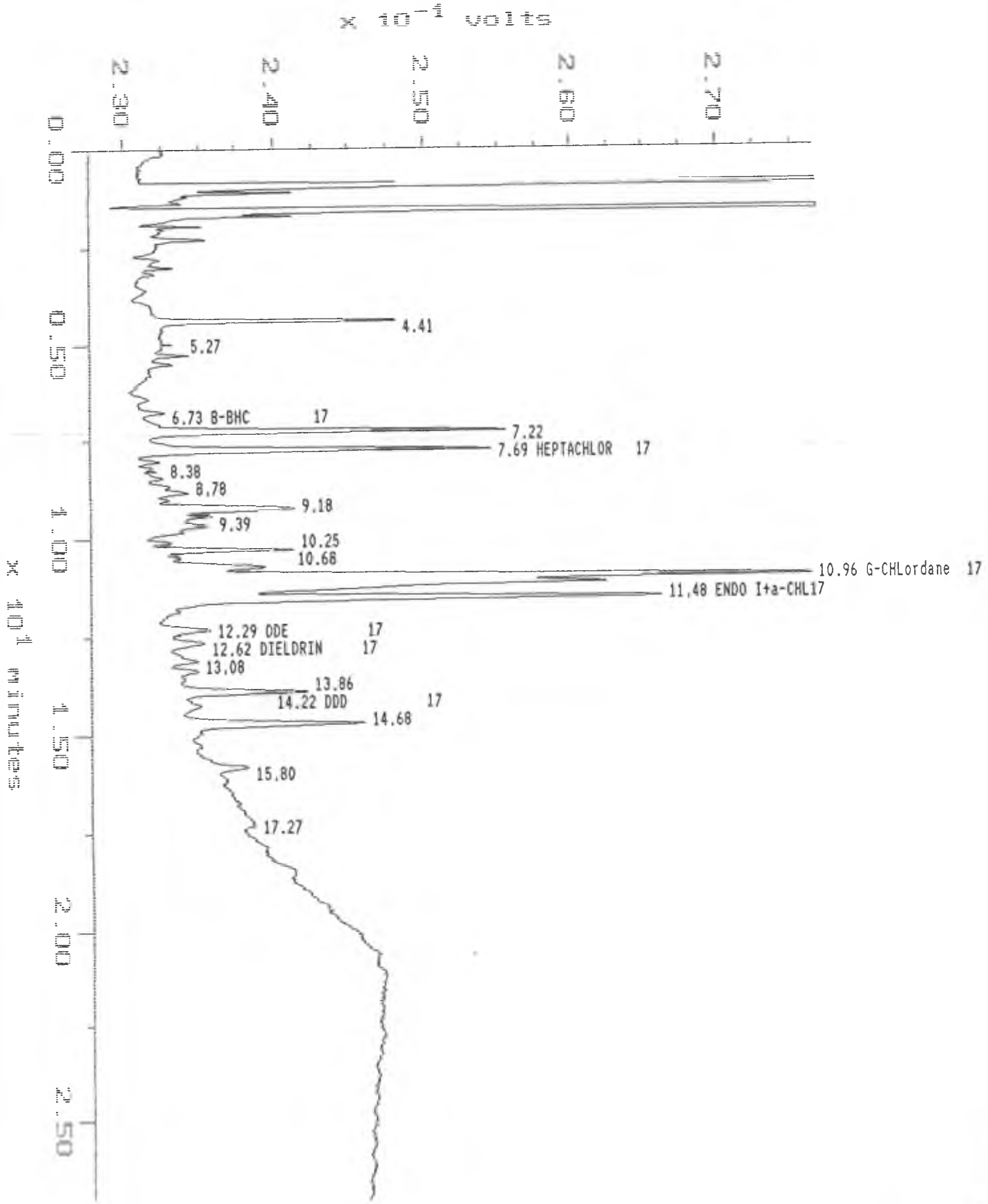
Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.075	TCMX	17	1	788002	21.55	20.00	20.00
1.213	4.942				14793	0.40		
1.796	7.317	1242-3	17	7	18473	0.51	Invalid	Invalid
1.871	7.625	1242-4	17	9	32048	0.88	Invalid	Invalid
2.106	8.583				10750	0.29		
2.667	10.867	1254-1	17	15	57199	1.56	Invalid	Invalid
2.726	11.108	1254-2	17	16	73058	2.00	Invalid	Invalid
3.055	12.450	1254-3	17	19	21391	0.58	Invalid	Invalid
3.143	12.808	1254-4	17	20	117404	3.21	Invalid	Invalid
3.202	13.050				72005	1.97		
3.292	13.417	1260-1	17	23	195364	5.34	100.00	100.00
3.376	13.758	1260-2	17	25	200489	5.48	100.00	100.00
3.540	14.425				85228	2.33		
3.638	14.825				101634	2.78		
3.685	15.017				85256	2.33		
3.728	15.192	1260-3	17	28	190761	5.22	100.00	100.00
3.767	15.350				113535	3.10		
3.822	15.575				75715	2.07		
3.939	16.050				20999	0.57		
4.063	16.558	1260-4	17	29	132300	3.62	100.00	100.00
4.129	16.825				97195	2.66		
4.190	17.075	1260-5	17	31	319094	8.72	100.00	100.00
4.517	18.408				88577	2.42		
4.569	18.617				174987	4.78		
4.978	20.283				110031	3.01		
5.321	21.683				18350	0.50		
5.671	23.108	DCB	17	34	442795	12.11	20.00	20.00
TAL					3657435		540.00	540.00

Sample: 100ug/l CHLR041 Channel: ECD DB-1701
Acquired: 19-DEC-94 15:20 Method: D:\MAX\DATA1\941219A

Filename: 94121910
Operator: SJL



Sample: 100ug/l CHLR041 Channel: ECD DB-17 Filename: 94121910
Acquired: 19-DEC-94 15:20 Method: D:\MAX\DATA1\941219A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 13:03:49

SAMPLE: 100ug/l CHLR041
#10 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 15:20
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94121910
Index: Disk

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.275	4.225			13663	0.80		
0.479	7.367			145350	8.53		
0.508	7.808	HEPTACHLOR 1701	9	161917	9.51	3.32	3.32
0.533	8.200			21409	1.26		
0.546	8.392			28518	1.67		
0.593	9.117			61298	3.60		
0.600	9.233			54814	3.22		
0.666	10.250			16896	0.99		
0.691	10.633	HEPT-EPOX 1701	16	34471	2.02	1.13!!	1.13!!
0.714	10.983			116429	6.84		
0.727	11.183			14406	0.85		
0.751	11.550	ENDOI+G-CH 1701	19	276478	16.23	7.33	7.33
0.764	11.758	A-CHLORDNE 1701	20	468211	27.49	10.41	10.41
0.789	12.142	DDE 1701	21	67699	3.97	2.13	2.13
0.806	12.392			31201	1.83		
0.851	13.092			10402	0.61		
0.911	14.008			43211	2.54		
0.925	14.225			77309	4.54		
0.947	14.575	DDD 1701	29	53027	3.11	2.05	2.05
1.000	15.383			6573	0.39		
OTAL				1703283		26.36!!	26.36!!

' Result calculation based on peak response more than 10% outside of calibration range.

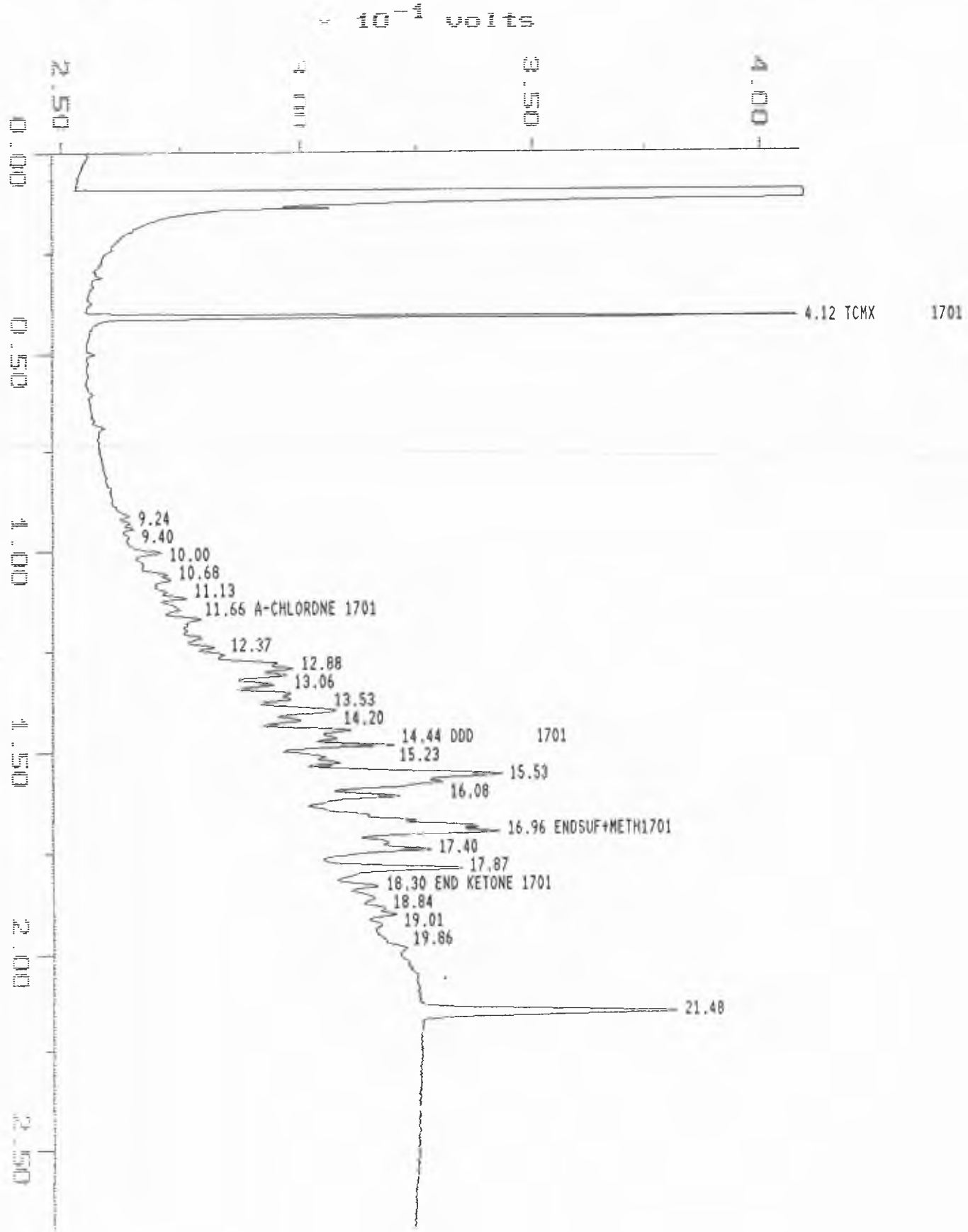
DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.255	4.408			82018	3.44		
0.305	5.267			22199	0.93		

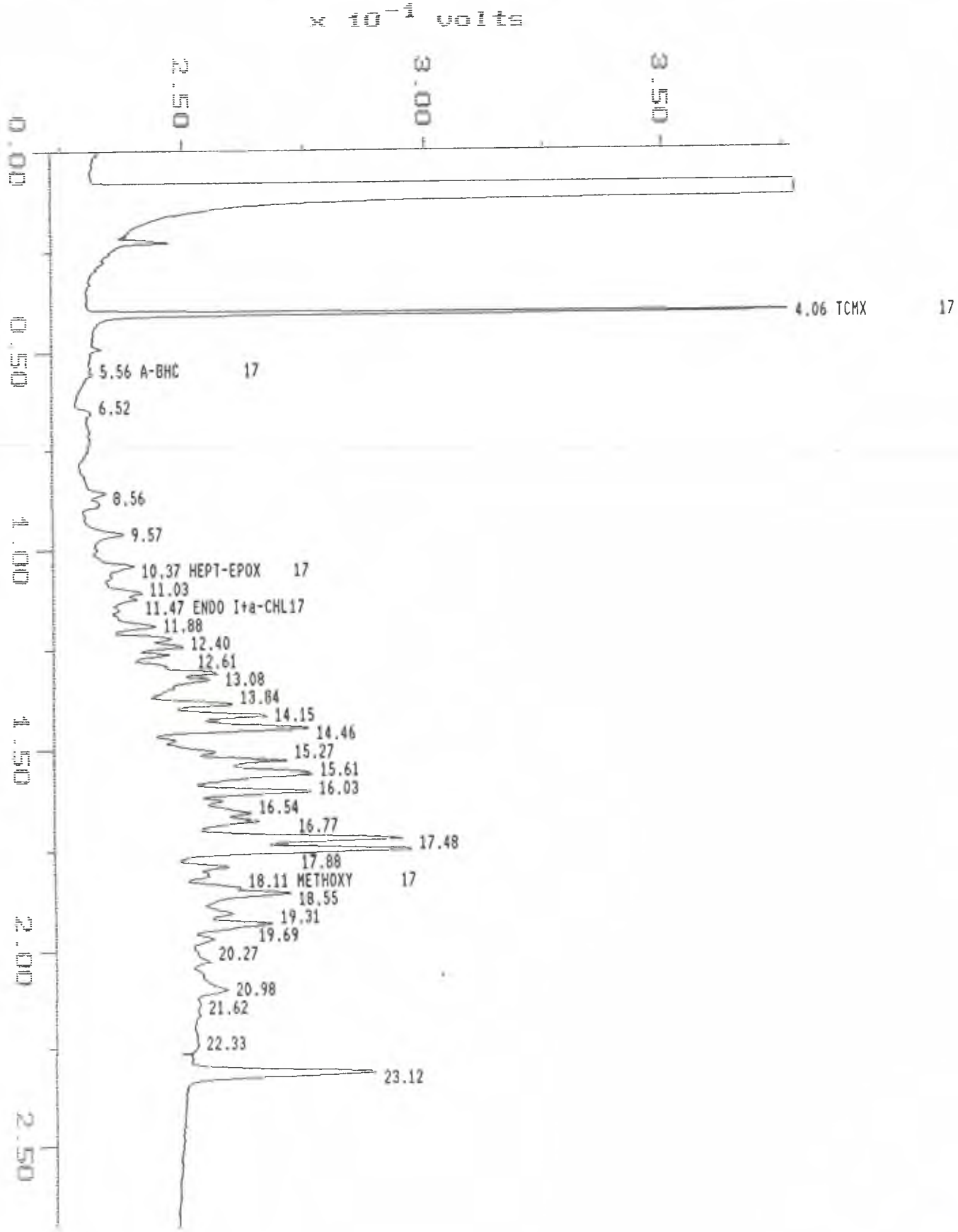
0.389	6.725	B-BHC	17	6	11721	0.49	Invalid	Invalid
0.418	7.217				189130	7.93		
0.445	7.692	HEPTACHLOR	17	8	190454	7.99	3.25	3.25
0.486	8.383				20369	0.85		
0.508	8.775				42311	1.77		
0.532	9.183				114344	4.80		
0.544	9.392				42850	1.80		
0.557	9.617				62065	2.60		
0.594	10.250				78295	3.28		
0.619	10.683				98971	4.15		
0.635	10.958	G-CHLordane	17	17	398813	16.73	8.65	8.65
0.643	11.108				339724	14.25		
0.665	11.483	ENDO I+a-CHL	17	18	326261	13.69	7.06	7.06
0.712	12.292	DDE	17	22	34598	1.45	0.05!!	0.05!!
0.731	12.617	DIELDRIN	17	23	29683	1.25	Invalid	Invalid
0.757	13.075				23485	0.99		
0.772	13.333				15906	0.67		
0.803	13.858				91178	3.82		
0.823	14.217	DDD	17	27	11262	0.47	Invalid	Invalid
0.850	14.675				109234	4.58		
0.915	15.800				26267	1.10		
1.000	17.267				22669	0.95		
					---		---	---
OTAL					2383809		19.01!!	19.01!!

! Result calculation based on peak response more than 10% outside of calibration range.

Sample: 500ug/LTOX 038 Channel: ECD DB-1701 Filename: 94121911
Acquired: 19-DEC-94 15:49 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 500ug/LTOX 038 Channel: ECD DB-17 Filename: 94121911
Acquired: 19-DEC-94 15:49 Method: D:\MAX\DATA1\941219A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 13:04:12

SAMPLE: 500ug/LTOX 038
#11 in Method: 8080 PESTICIDES
Acquired: 19-DEC-1994 15:49
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94121911
Index: Disk

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.117	TCMX 1701	2	628463	8.86	15.69	15.69
2.204	9.075			21854	0.31		
2.245	9.242			12514	0.18		
2.283	9.400			14803	0.21		
2.429	10.000			43530	0.61		
2.561	10.542	HEPT-EPOX 1701	16	21822	0.31	0.87!!	0.87!!
2.593	10.675			36131	0.51		
2.668	10.983			10027	0.14		
2.704	11.133			34465	0.49		
2.773	11.417	ENDOI+G-CH 1701	19	31879	0.45	2.22!!	2.22!!
2.832	11.658	A-CHLORDNE 1701	20	35661	0.50	1.38!!	1.38!!
2.951	12.150			23119	0.33		
3.004	12.367			28446	0.40		
3.051	12.558	DIELDRIN 1701	24	48249	0.68	1.68	1.68
3.130	12.883			278642	3.93		
3.172	13.058			145533	2.05		
3.233	13.308			115069	1.62		
3.285	13.525			136273	1.92		
3.320	13.667			116019	1.64		
3.387	13.942			306274	4.32		
3.449	14.200			127026	1.79		
3.508	14.442	DDD 1701	29	225615	3.18	7.07	7.07
3.555	14.633	ENDO II 1701	30	160006	2.26	4.73	4.73
3.597	14.808			267936	3.78		
3.666	15.092	DDT 1701	31	131077	1.85	4.79	4.79
3.700	15.233			136534	1.92		
3.773	15.533			621934	8.77		
3.820	15.725			471846	6.65		
3.905	16.075			297333	4.19		
4.091	16.842			633394	8.93		
4.119	16.958	ENDSUF+METH1701	36	395040	5.57	19.92	19.92
4.227	17.400			409900	5.78		
4.340	17.867			261838	3.69		
4.445	18.300	END KETONE 1701	38	59379	0.84	2.51	2.51

4.518	18.600			62288	0.88	
4.577	18.842			50050	0.71	
4.617	19.008			51267	0.72	
4.680	19.267			16814	0.24	
4.824	19.858			32623	0.46	
5.217	21.475			594525	8.38	

OTAL				7095199		60.86!! 60.86!!

! Result calculation based on peak response more than 10% outside of calibration range.

DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.058	TCMX	17	1	706276	7.36	15.81	15.81
1.370	5.558	A-BHC	17	3	20950	0.22	Invalid	Invalid
1.606	6.517				18644	0.19		
2.109	8.558				44200	0.46		
2.168	8.800				41463	0.43		
2.357	9.567				109150	1.14		
2.554	10.367	HEPT-EPOX	17	15	136150	1.42	1.98	1.98
2.719	11.033				100352	1.05		
2.758	11.192				72927	0.76		
2.825	11.467	ENDO I+a-CHL	17	18	26329	0.27	Invalid	Invalid
2.928	11.883				127682	1.33		
3.006	12.200	DDE	17	22	121526	1.27	2.20	2.20
3.055	12.400				148911	1.55		
3.107	12.608				103072	1.07		
3.224	13.083				298974	3.11		
3.259	13.225				347658	3.62		
3.411	13.842				272673	2.84		
3.487	14.150				319456	3.33		
3.563	14.458				509092	5.30		
3.632	14.742				73657	0.77		
3.706	15.042				218252	2.27		
3.762	15.267				369723	3.85		
3.846	15.608				679880	7.08		
3.951	16.033				396252	4.13		
4.008	16.267				145633	1.52		
4.076	16.542				283507	2.95		
4.131	16.767				331631	3.45		
4.242	17.217				659349	6.87		
4.306	17.475				617539	6.43		
4.405	17.875				137559	1.43		
4.462	18.108	METHOXY	17	37	122759	1.28	8.76	8.76
4.571	18.550				500539	5.21		

4.694	19.050	199268	2.08		
4.758	19.308	285634	2.98		
4.852	19.692	109489	1.14		
4.994	20.267	107049	1.12		
5.170	20.983	220819	2.30		
5.326	21.617	12845	0.13		
5.503	22.333	57398	0.60		
5.696	23.117	545048	5.68		
		---		---	---
OTAL		9599318		28.75	28.75

CONTINUING CALIBRATION DATA

8080 CONTINUING CALIBRATION REPORT

FILE NUMBER 94121942
DATE 12/20/94

	TRUE VALUE	STD CONC	%D
TCMX	20	20	0%
Alpha-BHC	20	20	0%
Lindane	20	19	5%
Heptachlor	20	20	0%
Aldrin	20	20	0%
Beta-BHC	20	20	0%
Delta-BHC	20	20	0%
Heptachlor-Epoxide	20	20	0%
Endosulfan I+Gamma-Chlordane	40	38	5%
Alpha-Chlordane	20	19	5%
DDE	20	19	5%
Dieldrin	20	19	5%
Endrin	20	20	0%
DDD	20	20	0%
Endosulfan II	20	19	5%
DDT	20	19	5%
Endrin Aldehyde	20	18	10%
Endosulfan Sulfate+Methoxychlor	40	39	3%
Endrin Ketone	20	19	5%
DCB	20	21	5%

8080 CONTINUING CALIBRATION REPORT

FILE NUMBER 94121930
DATE 12/20/94

	TRUE VALUE	STD CONC	%D
TCMX	20	19	5%
Alpha-BHC	20	19	5%
Lindane	20	19	5%
Heptachlor	20	19	5%
Aldrin	20	19	5%
Beta-BHC	20	20	0%
Delta-BHC	20	19	5%
Heptachlor-Epoxide	20	20	0%
Endosulfan I+Gamma-Chlordane	40	38	5%
Alpha-Chlordane	20	19	5%
DDE	20	19	5%
Dieldrin	20	19	5%
Endrin	20	20	0%
DDD	20	20	0%
Endosulfan II	20	20	0%
DDT	20	20	0%
Endrin Aldehyde	20	18	10%
Endosulfan Sulfate+Methoxychlor	40	40	0%
Endrin Ketone	20	20	0%
DCB	20	20	0%

8080 CONTINUING CALIBRATION REPORT

FILE NUMBER 94122127
DATE 12/22/94

	TRUE VALUE	STD CONC	%D
TCMX	20	20	0%
Alpha-BHC	20	19	5%
Lindane	20	20	0%
Heptachlor	20	20	0%
Aldrin	20	20	0%
Beta-BHC	20	20	0%
Delta-BHC	20	20	0%
Heptachlor-Epoxide	20	20	0%
Endosulfan I+Gamma-Chlordane	40	39	3%
Alpha-Chlordane	20	20	0%
DDE	20	19	5%
Dieldrin	20	20	0%
Endrin	20	20	0%
DDD	20	20	0%
Endosulfan II	20	20	0%
DDT	20	20	0%
Endrin Aldehyde	20	18	10%
Endosulfan Sulfate+Methoxychlor	40	40	0%
Endrin Ketone	20	20	0%
DCB	20	21	5%

8080 CONTINUING CALIBRATION REPORT

FILE NUMBER 94122127
DATE 12/22/94

	TRUE VALUE	STD CONC	%D
TCMX	20	20	0%
Alpha-BHC	20	19	5%
Lindane	20	20	0%
Heptachlor	20	20	0%
Aldrin	20	20	0%
Beta-BHC	20	20	0%
Delta-BHC	20	20	0%
Heptachlor-Epoxide	20	20	0%
Endosulfan I+Gamma-Chlordane	40	39	3%
Alpha-Chlordane	20	20	0%
DDE	20	19	5%
Dieldrin	20	20	0%
Endrin	20	20	0%
DDD	20	20	0%
Endosulfan II	20	20	0%
DDT	20	20	0%
Endrin Aldehyde	20	18	10%
Endosulfan Sulfate+Methoxychlor	40	40	0%
Endrin Ketone	20	20	0%
DCB	20	21	5%

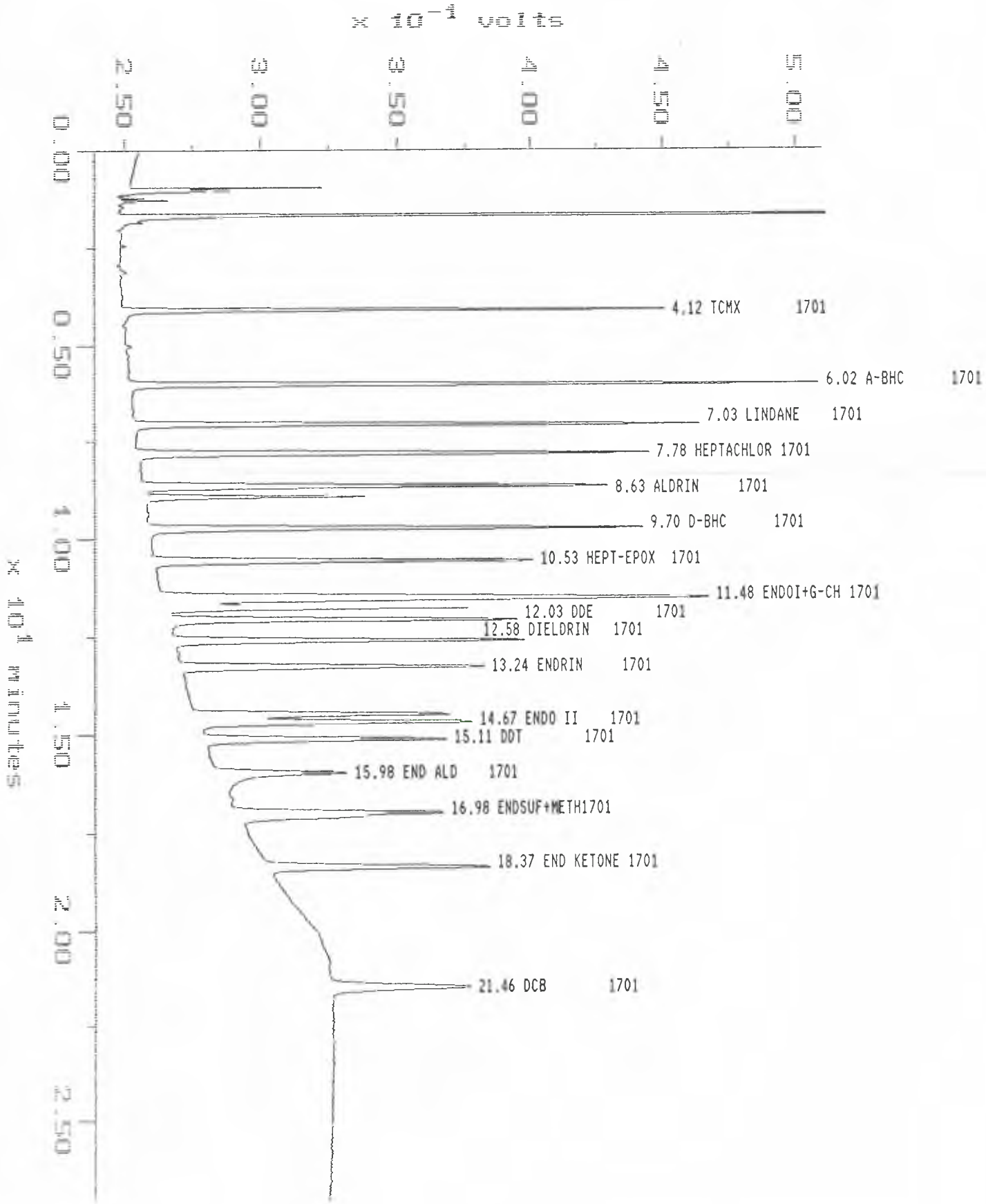
8080 DDT Endrin Breakdown Summary

DATE	12/21/94
FILENAME	94122102

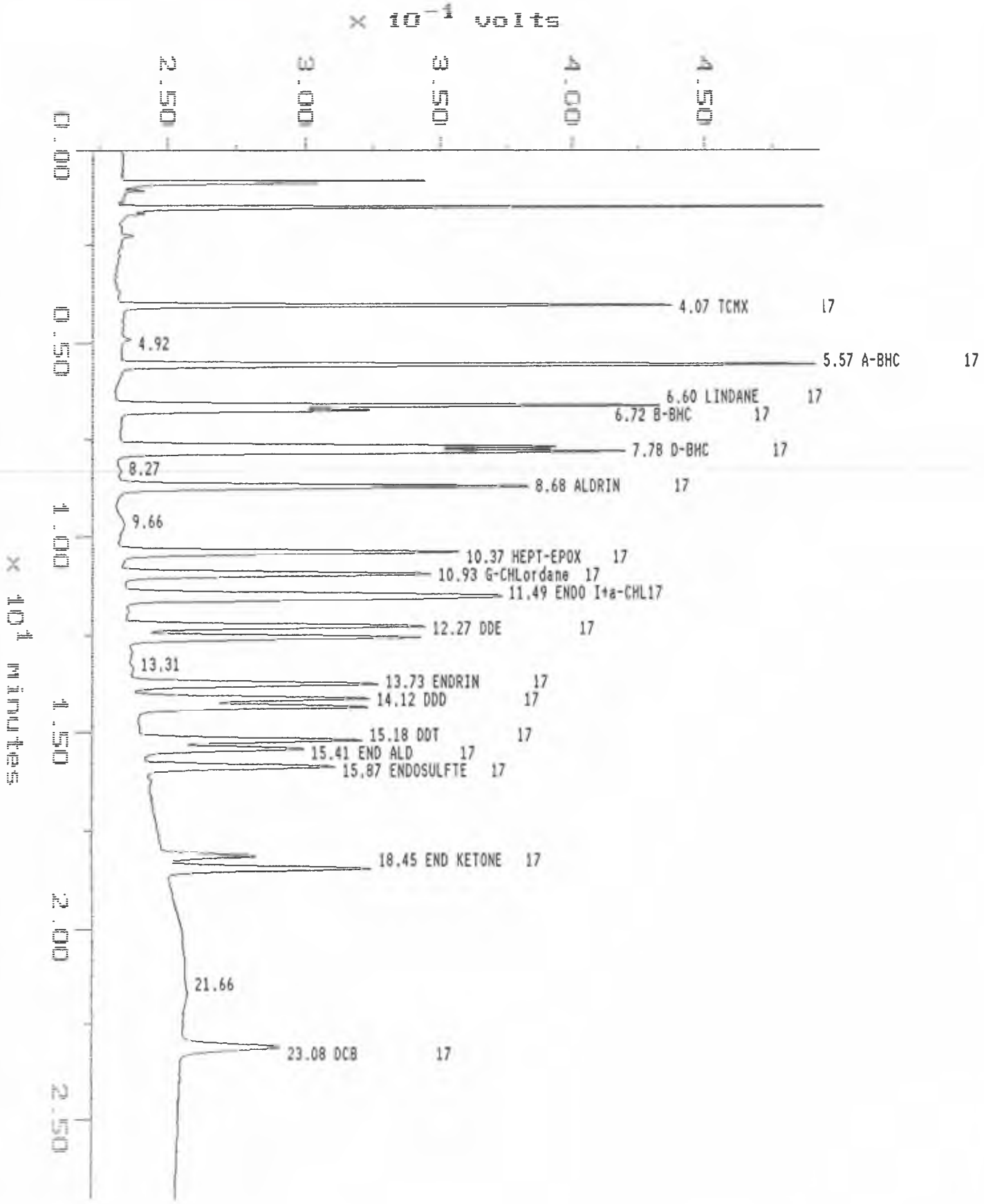
	db-1701 Area	DB-17 Area
Endrin	2109899	2011435
Endrin Aldehyde	0	0
Endrin Ketone	51067	62073
% Breakdown	2.4%	3.0%

DDT	2370525	2348853
DDE	0	29548
DDD	22714	39428
% Breakdown	0.9%	2.9%

Sample: 20UG/L CCC 038 Channel: ECD DB-1701 Filename: 94121930
Acquired: 20-DEC-94 1:33 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 20UG/L CCC 038 Channel: ECD DB-17 Filename: 94121930
Acquired: 20-DEC-94 1:33 Method: D:\MAX\DATA1\941219A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 14:49:34

SAMPLE: 20UG/L CCC 038
#30 in Method: 8080 PESTICIDES
Acquired: 20-DEC-1994 1:33
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94121930
Index: Disk

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.117	TCMX	1701	2	766695	4.46	19.03	19.03
1.462	6.017	A-BHC	1701	4	1184723	6.89	19.08	19.08
1.709	7.033	LINDANE	1701	7	1070520	6.23	19.24	19.24
1.891	7.783	HEPTACHLOR	1701	9	1106235	6.43	19.43	19.43
2.097	8.633	ALDRIN	1701	11	1066958	6.20	19.39	19.39
2.162	8.900	B-BHC	1701	13	442555	2.57	20.08	20.08
2.356	9.700	D-BHC	1701	14	1040526	6.05	19.42	19.42
2.559	10.533	HEPT-EPOX	1701	16	916197	5.33	19.60	19.60
2.789	11.483	ENDOI+G-CH	1701	19	1748377	10.17	38.05	38.05
2.846	11.717	A-CHLORDNE	1701	20	893614	5.20	19.29	19.29
2.923	12.033	DDE	1701	21	899254	5.23	19.14	19.14
3.055	12.575	DIELDRIN	1701	24	895977	5.21	19.24	19.24
3.217	13.242	ENDRIN	1701	25	782926	4.55	20.30	20.30
3.518	14.483	DDD	1701	29	672646	3.91	20.06	20.06
3.563	14.667	ENDO II	1701	30	736279	4.28	19.88	19.88
3.670	15.108	DDT	1701	31	644178	3.75	19.78	19.78
3.881	15.975	END ALD	1701	35	415584	2.42	18.17	18.17
4.126	16.983	ENDSUF+METH	1701	36	821779	4.78	39.95	39.95
4.462	18.367	END KETONE	1701	38	599533	3.49	19.92	19.92
5.213	21.458	DCB	1701	40	492172	2.86	19.86	19.86
AL					17196728		428.92	428.92

DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.067	TCMX	17	1	919014	4.98	20.85	20.85
1.209	4.917				20202	0.11		
1.369	5.567	A-BHC	17	3	1381908	7.49	21.19	21.19
1.623	6.600	LINDANE	17	5	1249271	6.77	21.73	21.73

1.652	6.717	B-BHC	17	6	458698	2.49	20.09	20.09
1.885	7.667	HEPTACHLOR	17	8	1077188	5.84	22.12	22.12
1.914	7.783	D-BHC	17	10	1169571	6.34	21.53	21.53
2.033	8.267				9378	0.05		
2.135	8.683	ALDRIN	17	12	1161863	6.30	21.03	21.03
2.375	9.658				75389	0.41		
2.549	10.367	HEPT-EPOX	17	15	999204	5.42	21.27	21.27
2.686	10.925	G-CHLordane	17	17	913960	4.95	20.81	20.81
2.826	11.492	ENDO I+a-CHL	17	18	1668450	9.04	41.75	41.75
3.016	12.267	DDE	17	22	868639	4.71	20.70	20.70
3.086	12.550	DIELDRIN	17	23	896569	4.86	20.87	20.87
3.273	13.308				11127	0.06		
3.377	13.733	ENDRIN	17	26	753702	4.08	21.98	21.98
3.471	14.117	DDD	17	27	679135	3.68	20.97	20.97
3.523	14.325	ENDO II	17	28	719557	3.90	20.95	20.95
3.732	15.175	DDT	17	32	653352	3.54	20.33	20.33
3.789	15.408	END ALD	17	33	503078	2.73	20.27	20.27
3.902	15.867	ENDOSULFTE	17	34	597617	3.24	20.48	20.48
4.459	18.133	METHOXY	17	37	280523	1.52	20.03	20.03
4.537	18.450	END KETONE	17	39	651378	3.53	20.19	20.19
5.326	21.658				276334	1.50		
5.674	23.075	DCB	17	41	456286	2.47	19.60	19.60
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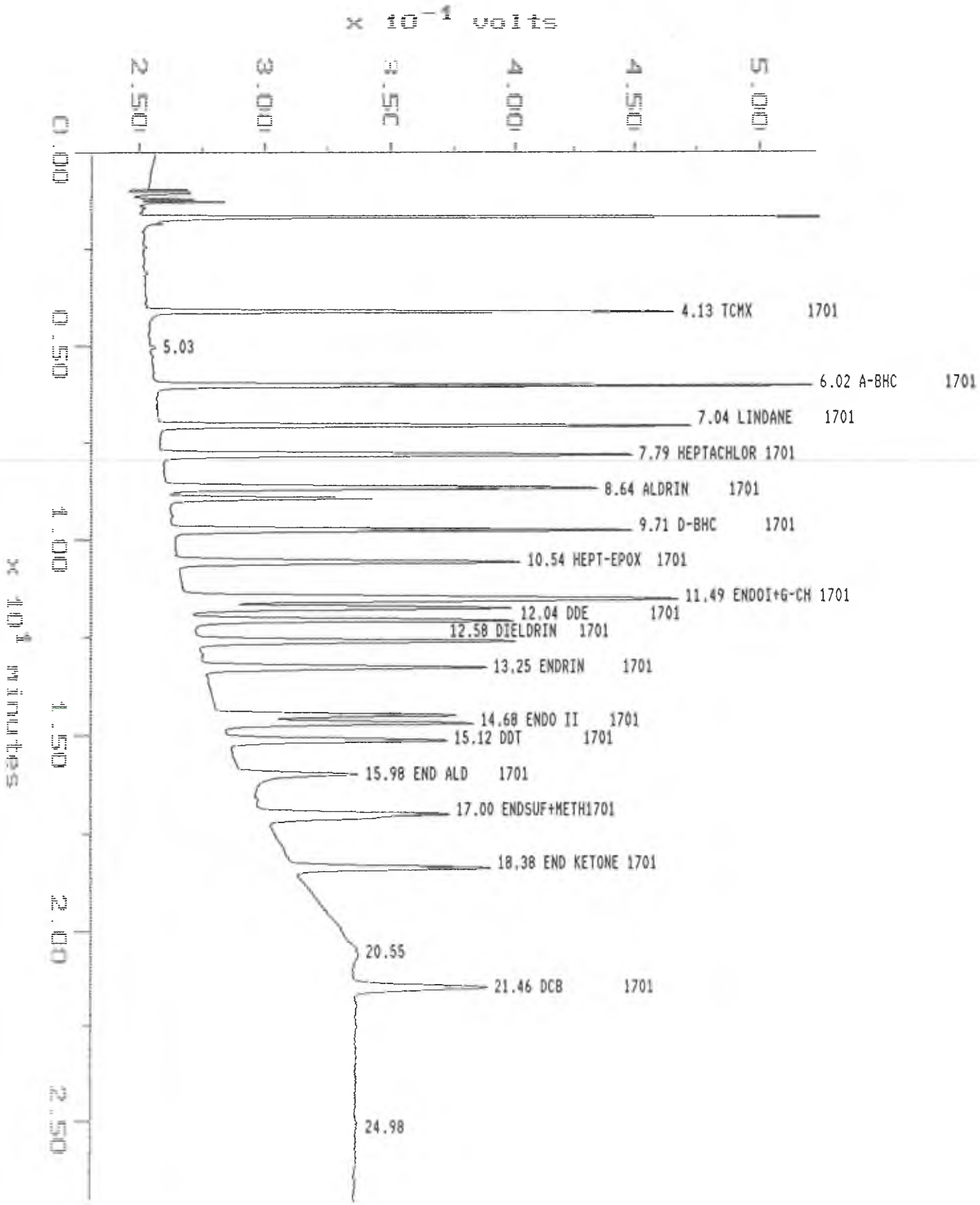
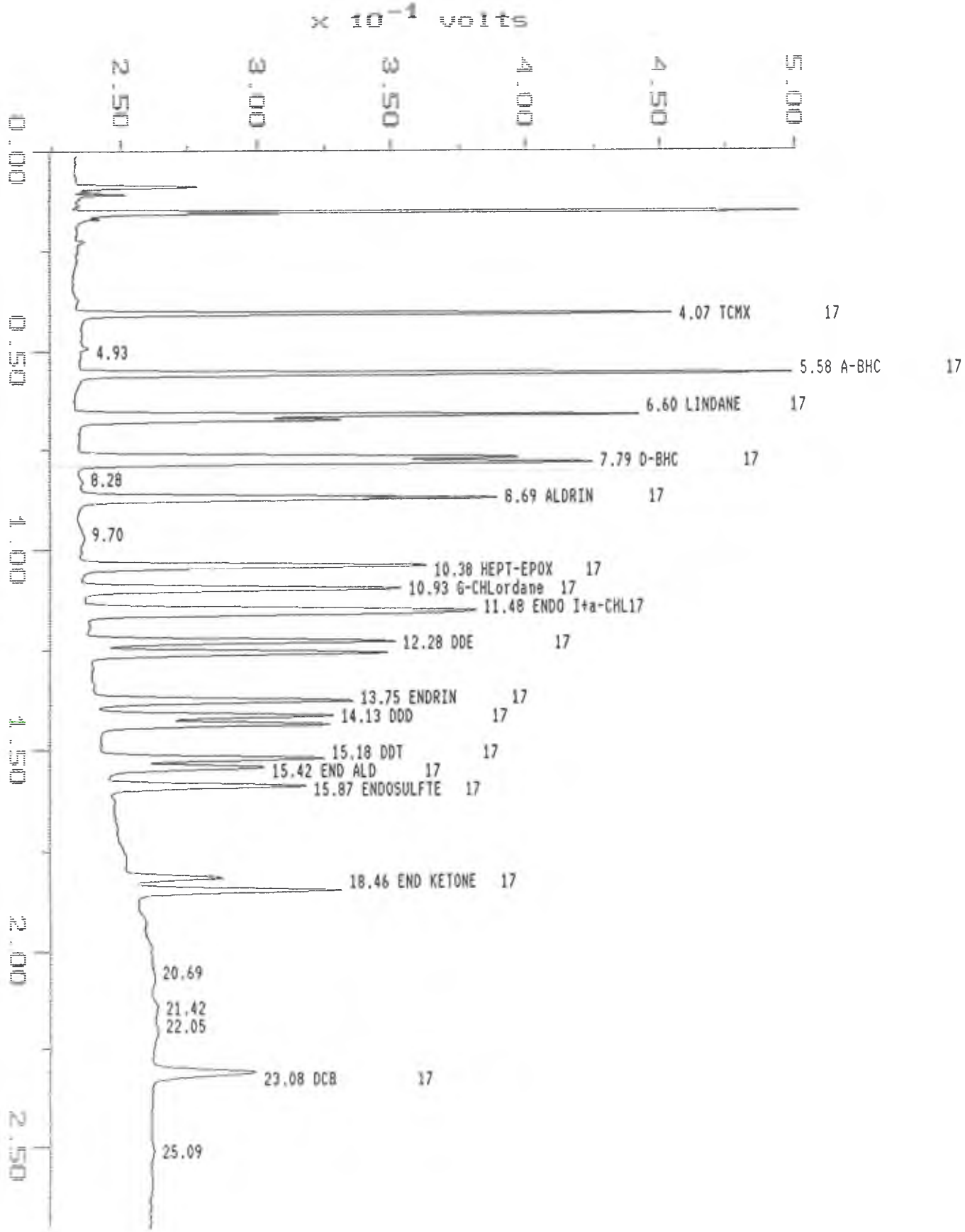
TAL					18451393		458.75	458.75

Sample: 20UG/L CCC 038 Channel: ECD DB-1701 Filename: 94121942
Acquired: 20-DEC-94 6:52 Method: D:\MAX\DATA1\941219A Operator: SJL



Sample: 20UG/L CCC 038 Channel: ECD DB-17 Filename: 94121942
Acquired: 20-DEC-94 6:52 Method: D:\MAX\DATA1\941219A Operator: SJL



AXIMA (c)1990 Dynamic Solutions, Division of Millipore

MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 14:50:25

SAMPLE: 20UG/L CCC 038
#41 in Method: 8080 PESTICIDES
Acquired: 20-DEC-1994 6:52
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94121942
Index: Disk

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.125	TCMX 1701	2	811467	4.68	20.11	20.11
1.220	5.033			10188	0.06		
1.459	6.017	A-BHC 1701	4	1211565	6.98	19.50	19.50
1.707	7.042	LINDANE 1701	7	1081022	6.23	19.42	19.42
1.889	7.792	HEPTACHLOR 1701	9	1127123	6.50	19.79	19.79
2.095	8.642	ALDRIN 1701	11	1085711	6.26	19.72	19.72
2.160	8.908	B-BHC 1701	13	442467	2.55	20.08	20.08
2.354	9.708	D-BHC 1701	14	1046662	6.03	19.54	19.54
2.556	10.542	HEPT-EPOX 1701	16	914009	5.27	19.56	19.56
2.786	11.492	ENDOI+G-CH 1701	19	1745312	10.06	37.99	37.99
2.842	11.725	A-CHLORDNE 1701	20	883052	5.09	19.07	19.07
2.919	12.042	DDE 1701	21	885906	5.11	18.86	18.86
3.048	12.575	DIELDRIN 1701	24	886247	5.11	19.04	19.04
3.212	13.250	ENDRIN 1701	25	782349	4.51	20.29	20.29
3.509	14.475	DDD 1701	29	656706	3.78	19.60	19.60
3.560	14.683	ENDO II 1701	30	719718	4.15	19.44	19.44
3.665	15.117	DDT 1701	31	632221	3.64	19.43	19.43
3.875	15.983	END ALD 1701	35	422527	2.43	18.45	18.45
4.121	17.000	ENDSUF+METH1701	36	806369	4.65	39.23	39.23
4.455	18.375	END KETONE 1701	38	578003	3.33	19.22	19.22
4.982	20.550			95105	0.55		
5.202	21.458	DCB 1701	40	514636	2.97	20.76	20.76
6.057	24.983			14432	0.08		
TAL				17352798		429.09	429.09

DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.067	TCMX 17	1	987536	5.29	22.48	22.48

1.213	4.933				14347	0.08		
1.371	5.575	A-BHC	17	3	1403589	7.52	21.54	21.54
1.623	6.600	LINDANE	17	5	1274969	6.83	22.19	22.19
1.654	6.725	B-BHC	17	6	506287	2.71	22.29	22.29
1.887	7.675	HEPTACHLOR	17	8	1049699	5.63	21.54	21.54
1.916	7.792	D-BHC	17	10	1233967	6.62	22.76	22.76
2.035	8.275				8603	0.05		
2.137	8.692	ALDRIN	17	12	1185746	6.36	21.48	21.48
2.385	9.700				40801	0.22		
2.551	10.375	HEPT-EPOX	17	15	1022043	5.48	21.78	21.78
2.689	10.933	G-CHLordane	17	17	941798	5.05	21.47	21.47
2.824	11.483	ENDO I+a-CHL	17	18	1715405	9.20	42.97	42.97
3.018	12.275	DDE	17	22	889569	4.77	21.21	21.21
3.086	12.550	DIELDRIN	17	23	908992	4.87	21.17	21.17
3.381	13.750	ENDRIN	17	26	784184	4.20	22.90	22.90
3.473	14.125	DDD	17	27	704937	3.78	21.80	21.80
3.525	14.333	ENDO II	17	28	715546	3.84	20.83	20.83
3.734	15.183	DDT	17	32	670837	3.60	20.88	20.88
3.791	15.417	END ALD	17	33	517939	2.78	20.87	20.87
3.902	15.867	ENDOSULFTE	17	34	599535	3.21	20.55	20.55
4.461	18.142	METHOXY	17	37	284160	1.52	20.29	20.29
4.539	18.458	END KETONE	17	39	650440	3.49	20.16	20.16
5.266	21.417				16248	0.09		
5.422	22.050				23103	0.12		
5.676	23.083	DCB	17	41	476641	2.56	20.49	20.49
6.170	25.092				26923	0.14		
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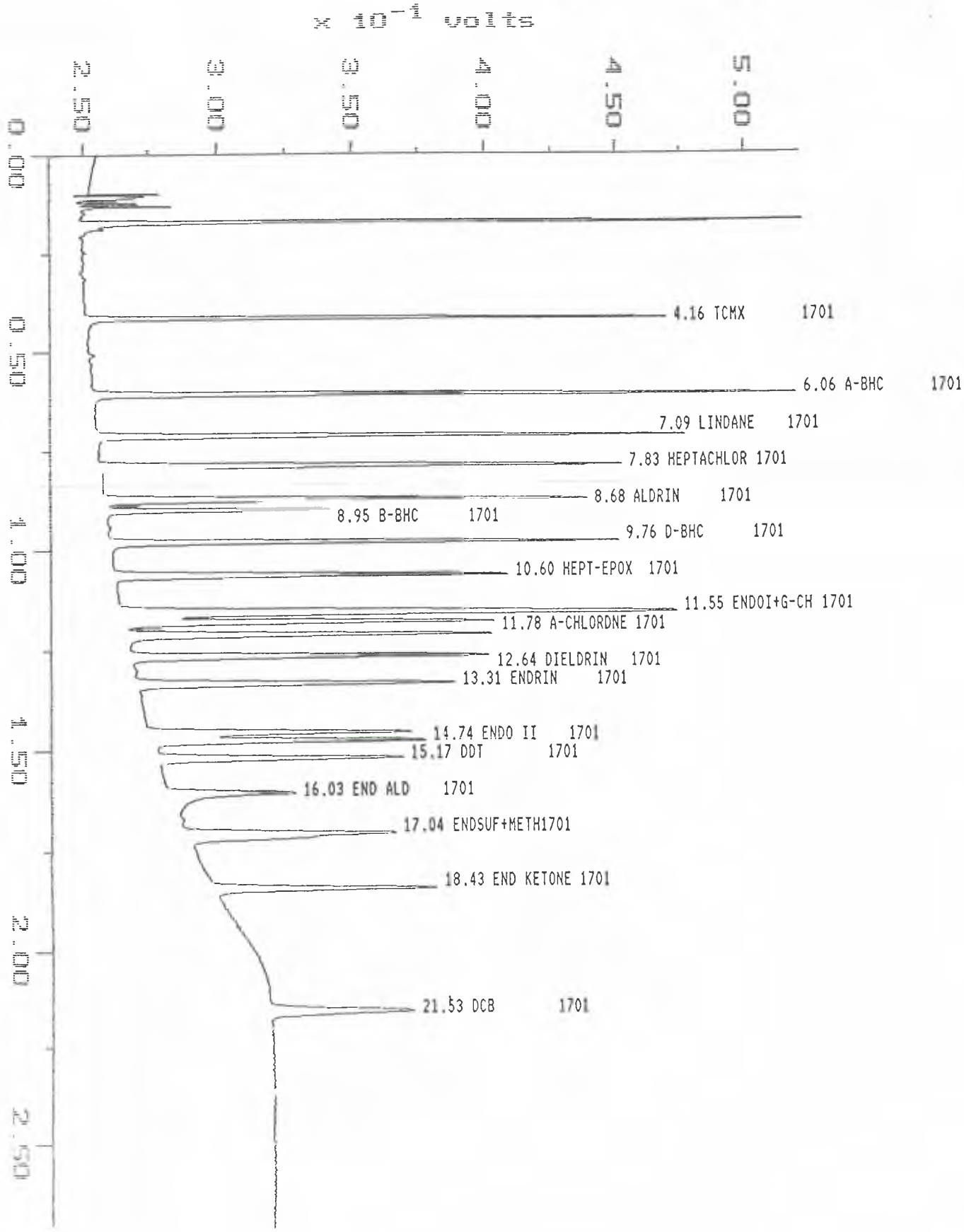
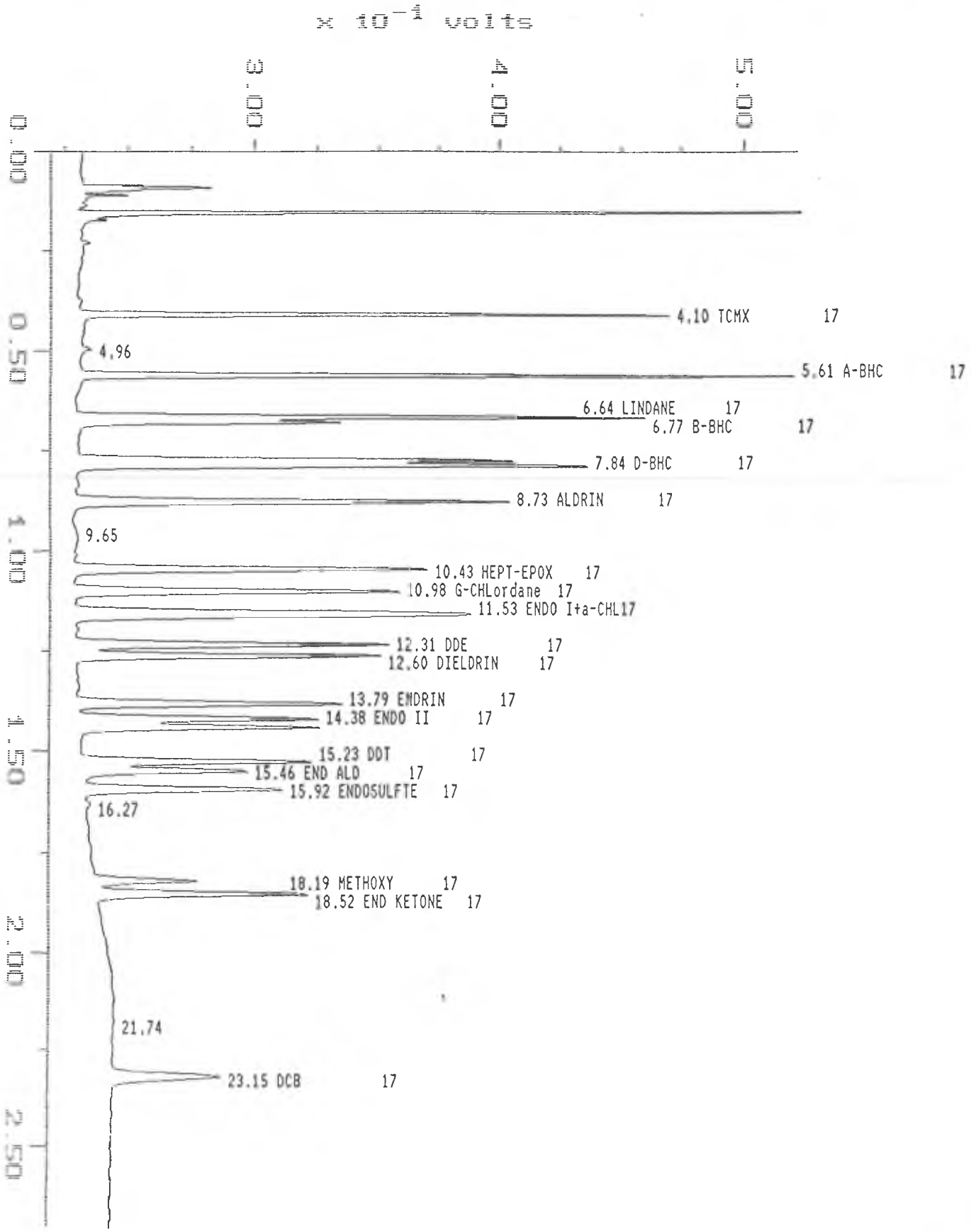
TAL					18653845		471.63	471.63

Sample: 20UG/L CCC 052 Channel: ECD DB-1701 Filename: 94122103
Acquired: 21-DEC-94 13:05 Method: D:\MAX\DATA1\941221A Operator: SJL



Sample: 20UG/L CCC 052 Channel: ECD DB-17 Filename: 94122103
Acquired: 21-DEC-94 13:05 Method: D:\MAX\DATA1\941221A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 22-DEC-1994 14:07:49

SAMPLE: 20UG/L CCC 052
#10 in Method: 8080 PESTICIDES
Acquired: 21-DEC-1994 13:05
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94122103
Index: Disk

DETECTOR: ECD DB-1701

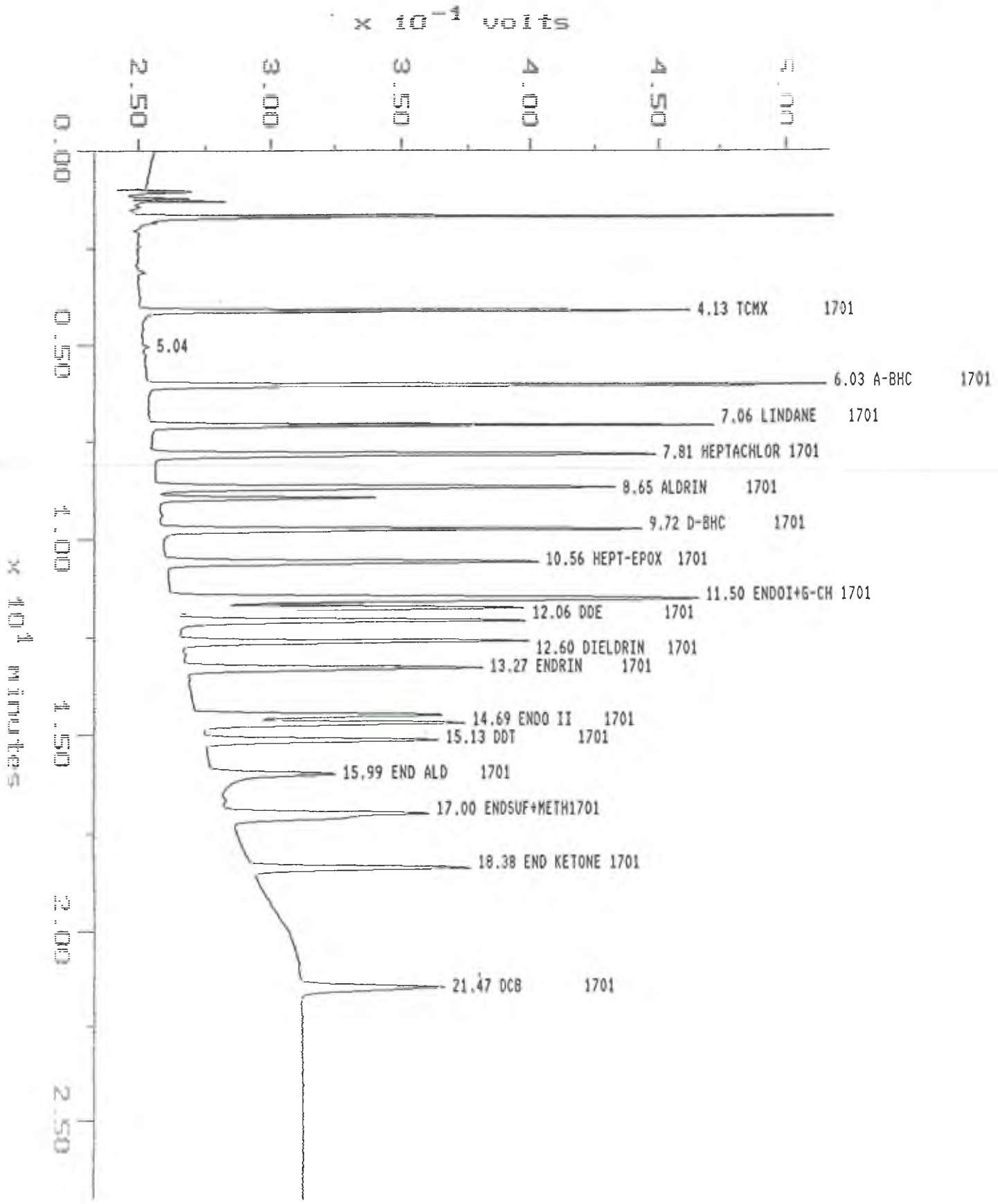
Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.158	TCMX 1701	2	844883	4.74	20.92	20.92
1.457	6.058	A-BHC 1701	4	1238513	6.94	19.91	19.91
1.705	7.092	LINDANE 1701	7	1118832	6.27	20.08	20.08
1.884	7.833	HEPTACHLOR 1701	9	1146474	6.43	20.12	20.12
2.088	8.683	ALDRIN 1701	11	1121313	6.28	20.35	20.35
2.152	8.950	B-BHC 1701	13	460292	2.58	20.88	20.88
2.347	9.758	D-BHC 1701	14	1081592	6.06	20.17	20.17
2.549	10.600	HEPT-EPOX 1701	16	956741	5.36	20.45	20.45
2.778	11.550	ENDOI+G-CH 1701	19	1819902	10.20	39.55	39.55
2.834	11.783	A-CHLORDNE 1701	20	929172	5.21	20.03	20.03
2.910	12.100	DDE 1701	21	936878	5.25	19.91	19.91
3.040	12.642	DIELDRIN 1701	24	929104	5.21	19.93	19.93
3.200	13.308	ENDRIN 1701	25	817981	4.58	21.19	21.19
3.497	14.542	DDD 1701	29	681300	3.82	20.32	20.32
3.545	14.742	ENDO II 1701	30	737144	4.13	19.90	19.90
3.647	15.167	DDT 1701	31	641531	3.60	19.70	19.70
3.856	16.033	END ALD 1701	35	417752	2.34	18.25	18.25
4.098	17.042	ENDSUF+METH1701	36	837516	4.69	40.69	40.69
4.433	18.433	END KETONE 1701	38	596962	3.35	19.84	19.84
5.178	21.533	DCB 1701	40	528029	2.96	21.30	21.30
TAL				17841911		443.47	443.47

DETECTOR: ECD DB-17

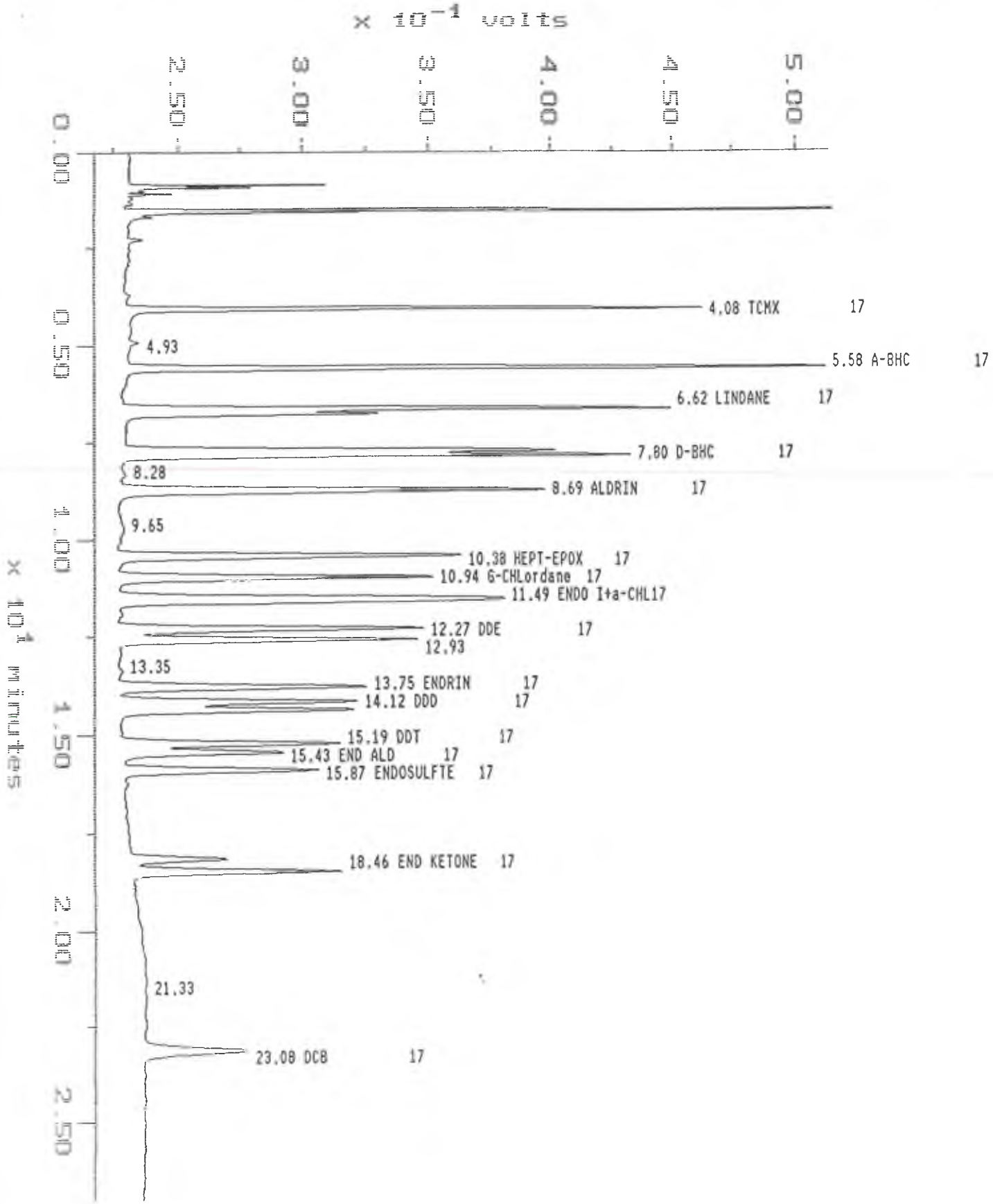
Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.100	TCMX 17	1	1066235	5.10	24.34	24.34
1.209	4.958			27694	0.13		
1.368	5.608	A-BHC 17	3	1561380	7.47	24.05	24.05
1.620	6.642	LINDANE 17	5	1387038	6.63	24.21	24.21

1.650	6.767	B-BHC	17	6	539347	2.58	23.82	23.82
1.882	7.717	HEPTACHLOR	17	8	1122112	5.37	23.08	23.08
1.913	7.842	D-BHC	17	10	1342722	6.42	24.83	24.83
2.130	8.733	ALDRIN	17	12	1366294	6.53	24.89	24.89
2.354	9.650				37846	0.18		
2.543	10.425	HEPT-EPOX	17	15	1120385	5.36	23.98	23.98
2.679	10.983	G-CHLordane	17	17	1058350	5.06	24.22	24.22
2.813	11.533	ENDO I+a-CHL	17	18	1909124	9.13	47.97	47.97
3.002	12.308	DDE	17	22	997362	4.77	23.88	23.88
3.073	12.600	DIELDRIN	17	23	1025481	4.90	23.98	23.98
3.364	13.792	ENDRIN	17	26	863662	4.13	25.29	25.29
3.457	14.175	DDD	17	27	778354	3.72	24.14	24.14
3.506	14.375	ENDO II	17	28	784424	3.75	22.88	22.88
3.715	15.233	DDT	17	32	750802	3.59	23.40	23.40
3.770	15.458	END ALD	17	33	579417	2.77	23.36	23.36
3.882	15.917	ENDOSULFTE	17	34	684135	3.27	23.49	23.49
3.967	16.267				21152	0.10		
4.437	18.192	METHOXY	17	37	325178	1.56	23.22	23.22
4.516	18.517	END KETONE	17	39	736907	3.52	22.88	22.88
5.303	21.742				285091	1.36		
5.646	23.150	DCB	17	41	540262	2.58	23.26	23.26
					---		---	---
TAL					20910953		525.19	525.19

Sample: 20UG/L CCC 052 **Channel:** ECD DB-1701 **Filename:** 94122127
Acquired: 22-DEC-94 1:11 Method: D:\MAX\DATA1\941221A Operator: SJL



Sample: 20UG/L CCC 052 Channel: ECD DB-17 Filename: 94122127
Acquired: 22-DEC-94 1:11 Method: D:\MAX\DATA1\941221A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 22-DEC-1994 15:10:27

SAMPLE: 20UG/L CCC 052
#34 in Method: 8080 PESTICIDES
Acquired: 22-DEC-1994 1:11
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94122127
Index: Disk

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.133	TCMX 1701	2	820820	4.69	20.34	20.34
1.220	5.042			10121	0.06		
1.460	6.033	A-BHC 1701	4	1206069	6.89	19.41	19.41
1.708	7.058	LINDANE 1701	7	1088776	6.22	19.56	19.56
1.889	7.808	HEPTACHLOR 1701	9	1120187	6.40	19.67	19.67
2.093	8.650	ALDRIN 1701	11	1095438	6.25	19.90	19.90
2.157	8.917	B-BHC 1701	13	448558	2.56	20.35	20.35
2.351	9.717	D-BHC 1701	14	1048857	5.99	19.58	19.58
2.554	10.558	HEPT-EPOX 1701	16	932270	5.32	19.94	19.94
2.782	11.500	ENDOI+G-CH 1701	19	1786989	10.20	38.86	38.86
2.841	11.742	A-CHLORDNE 1701	20	908380	5.19	19.60	19.60
2.917	12.058	DDE 1701	21	914668	5.22	19.45	19.45
3.048	12.600	DIELDRIN 1701	24	910792	5.20	19.55	19.55
3.210	13.267	ENDRIN 1701	25	789415	4.51	20.47	20.47
3.506	14.492	DDD 1701	29	676862	3.86	20.19	20.19
3.554	14.692	ENDO II 1701	30	738570	4.22	19.94	19.94
3.659	15.125	DDT 1701	31	652505	3.73	20.02	20.02
3.869	15.992	END ALD 1701	35	417911	2.39	18.26	18.26
4.113	17.000	ENDSUF+METH1701	36	826289	4.72	40.16	40.16
4.448	18.383	END KETONE 1701	38	598739	3.42	19.89	19.89
5.194	21.467	DCB 1701	40	520866	2.97	21.01	21.01
TAL				17513083		436.13	436.13

DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.075	TCMX 17	1	1055280	5.22	24.08	24.08
1.211	4.933			25535	0.13		
1.370	5.583	A-BHC 17	3	1506244	7.45	23.17	23.17

1.624	6.617	LINDANE	17	5	1331049	6.58	23.20	23.20
1.652	6.733	B-BHC	17	6	526543	2.60	23.23	23.23
1.885	7.683	HEPTACHLOR	17	8	1162137	5.75	23.93	23.93
1.914	7.800	D-BHC	17	10	1238151	6.13	22.84	22.84
2.133	8.692	ALDRIN	17	12	1296824	6.42	23.58	23.58
2.368	9.650				64701	0.32		
2.548	10.383	HEPT-EPOX	17	15	1099129	5.44	23.51	23.51
2.685	10.942	G-CHLordane	17	17	1016743	5.03	23.24	23.24
2.820	11.492	ENDO I+a-CHL	17	18	1847077	9.14	46.37	46.37
3.010	12.267	DDE	17	22	976589	4.83	23.37	23.37
3.082	12.558	DIELDRIN	17	23	1009123	4.99	23.59	23.59
3.172	12.925				10214	0.05		
3.276	13.350				14836	0.07		
3.374	13.750	ENDRIN	17	26	830084	4.11	24.28	24.28
3.464	14.117	DDD	17	27	755323	3.74	23.40	23.40
3.517	14.333	ENDO II	17	28	799756	3.96	23.34	23.34
3.728	15.192	DDT	17	32	716777	3.55	22.33	22.33
3.785	15.425	END ALD	17	33	563923	2.79	22.73	22.73
3.894	15.867	ENDOSULFTE	17	34	665242	3.29	22.83	22.83
3.982	16.225				10598	0.05		
4.452	18.142	METHOXY	17	37	322728	1.60	23.05	23.05
4.530	18.458	END KETONE	17	39	729549	3.61	22.65	22.65
5.233	21.325				94367	0.47		
5.665	23.083	DCB	17	41	545406	2.70	23.48	23.48
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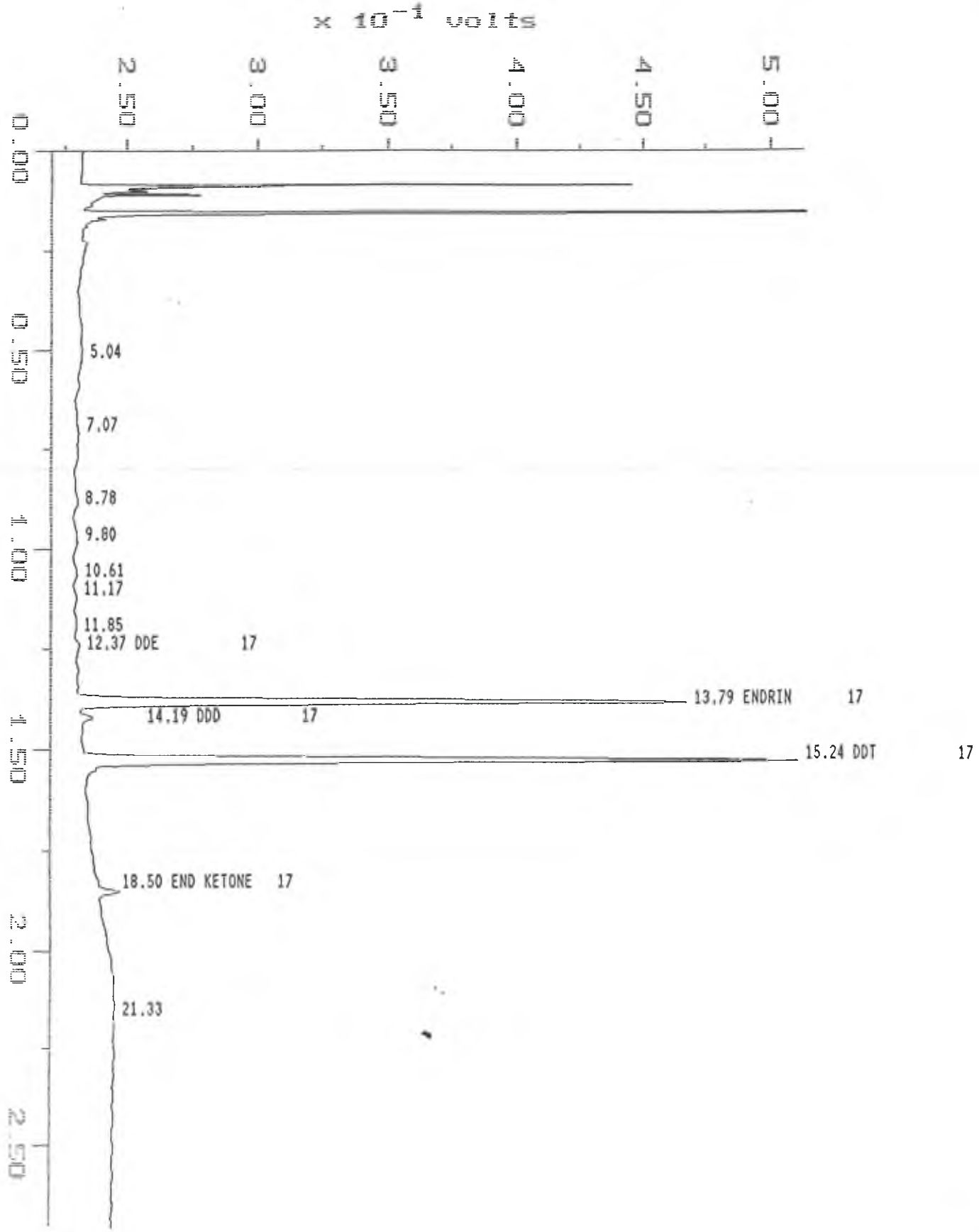
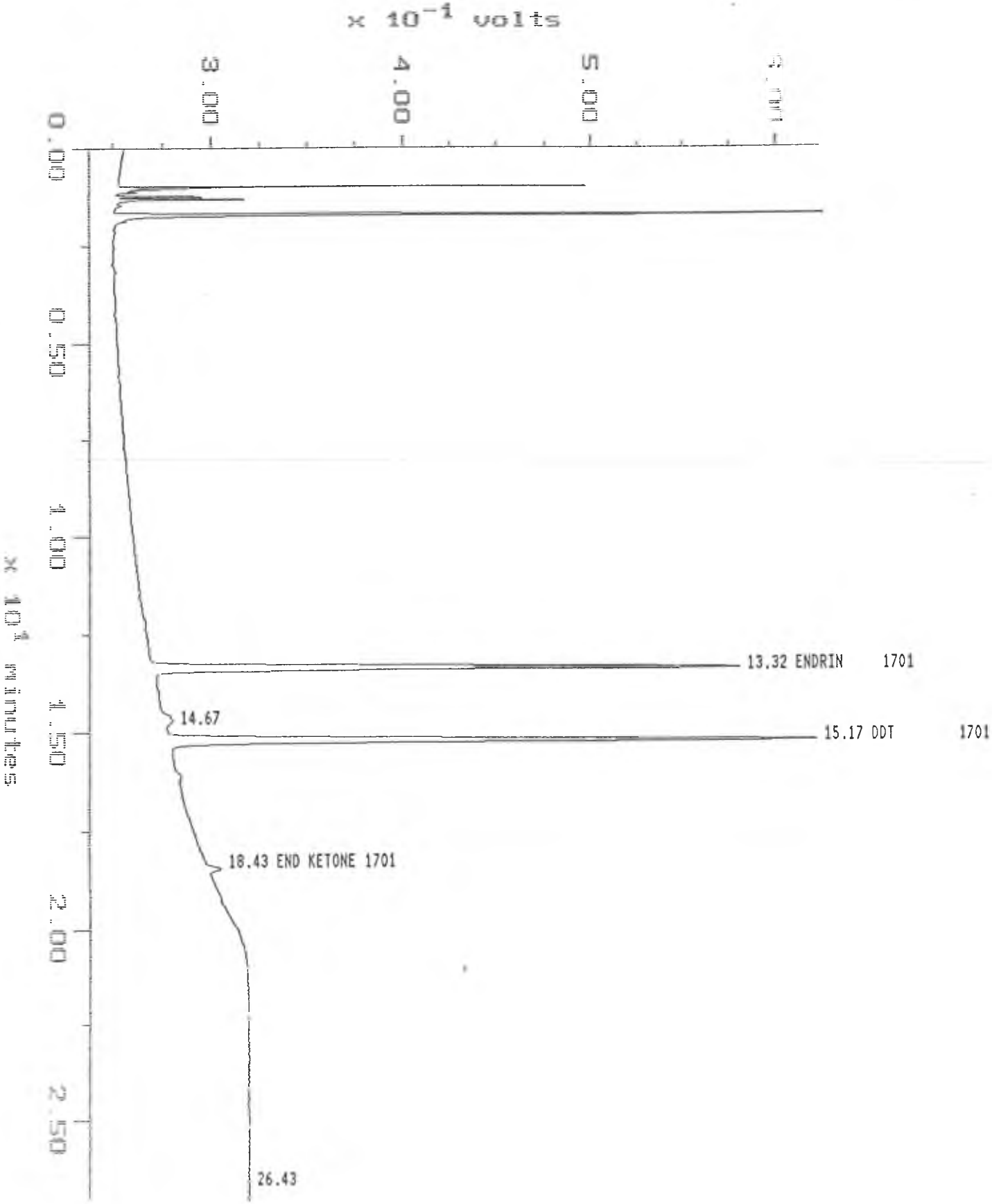
TAL					20213928		512.20	512.20

Sample: ddt-end 019 Channel: ECD DB-17 Filename: 94122102
Acquired: 21-DEC-94 12:36 Method: D:\MAX\DATA1\941221A Operator: SJL



Sample: ddt-end 019 Channel: ECD DB-1701 Filename: 94122102
Acquired: 21-DEC-94 12:36 Method: D:\MAX\DATA1\941221A Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 22-DEC-1994 14:06:27

SAMPLE: ddt-end 019
#9 in Method: 8080 PESTICIDES
Acquired: 21-DEC-1994 12:36
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94122102
Index: Disk

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.504	13.317	ENDRIN	1701	25	2109899	29.98	53.84!	53.84!
0.550	14.550	DDD	1701	29	22714	0.32	1.17!!	1.17!!
0.555	14.667	ENDO II	1701	30	35950	0.51	1.47	1.47
0.574	15.167	DDT	1701	31	2370525	33.69	70.20!!	70.20!!
0.697	18.433	END KETONE	1701	38	51067	0.73	2.25	2.25
1.000	26.433				2446399	34.77		
TOTAL					7036554		128.92!!	128.92!!

Result calculation based on peak response more than 10% outside of calibration range.
Result calculation based on peak response ratio outside of calibration range.

DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.236	5.042				61030	1.17		
0.331	7.067				47666	0.91		
0.412	8.783				50759	0.97		
0.459	9.800				44024	0.84		
0.497	10.608				30947	0.59		
0.523	11.167				18563	0.35		
0.555	11.850				13918	0.27		
0.580	12.367	DDE	17	22	29548	0.56	Invalid	Invalid
0.646	13.792	ENDRIN	17	26	2011435	38.43	59.94!!	59.94!!
0.665	14.192	DDD	17	27	39428	0.75	0.59	0.59
0.714	15.242	DDT	17	32	2348853	44.88	73.82!!	73.82!!
0.725	15.467				24402	0.47		
0.867	18.500	END KETONE	17	39	62073	1.19	1.64	1.64
1.000	21.333				451402	8.62		

TOTAL	5234050	135.99!!	135.99!!

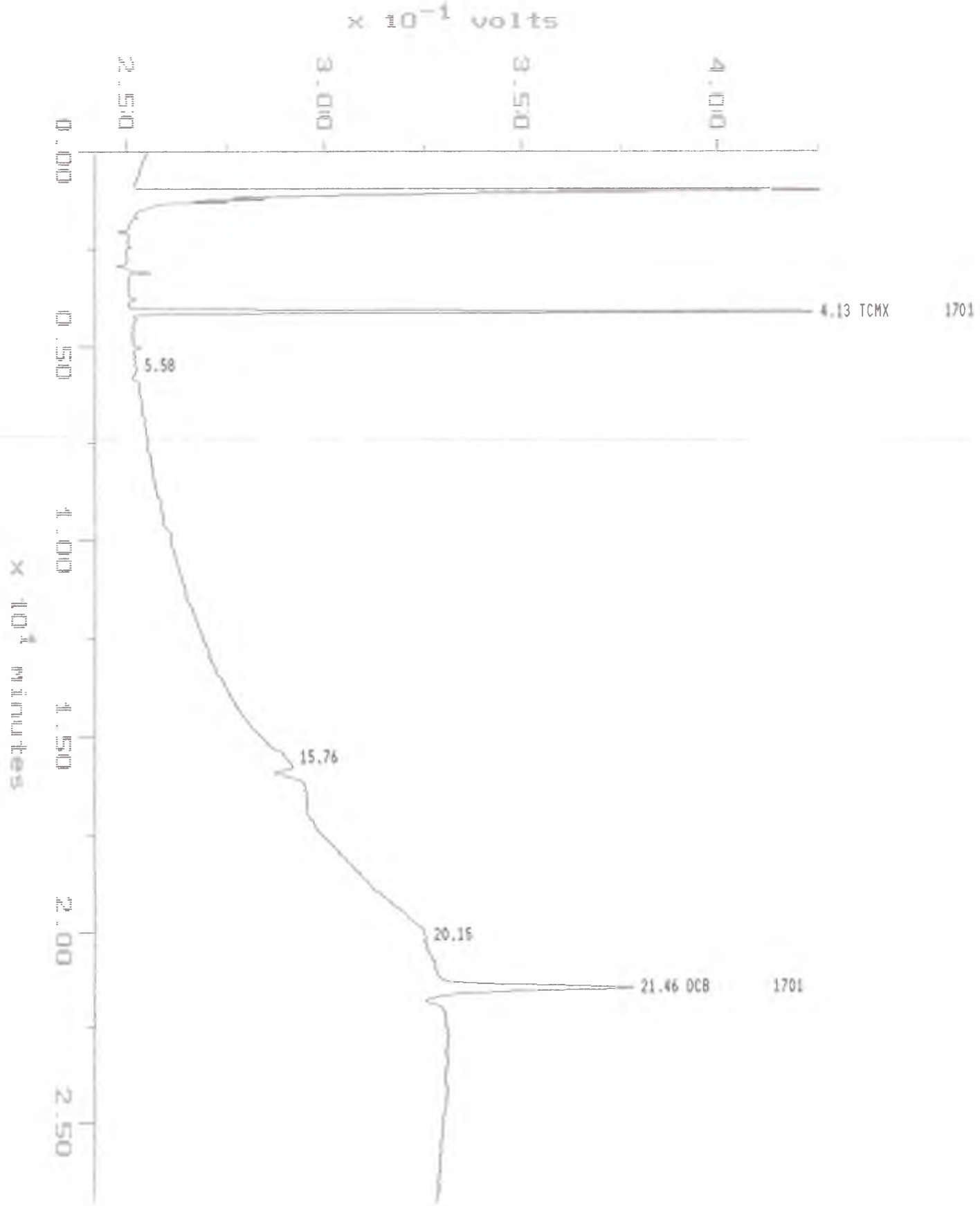
!! Result calculation based on peak response more than 10% outside of calibration range.

METHOD BLANK DATA

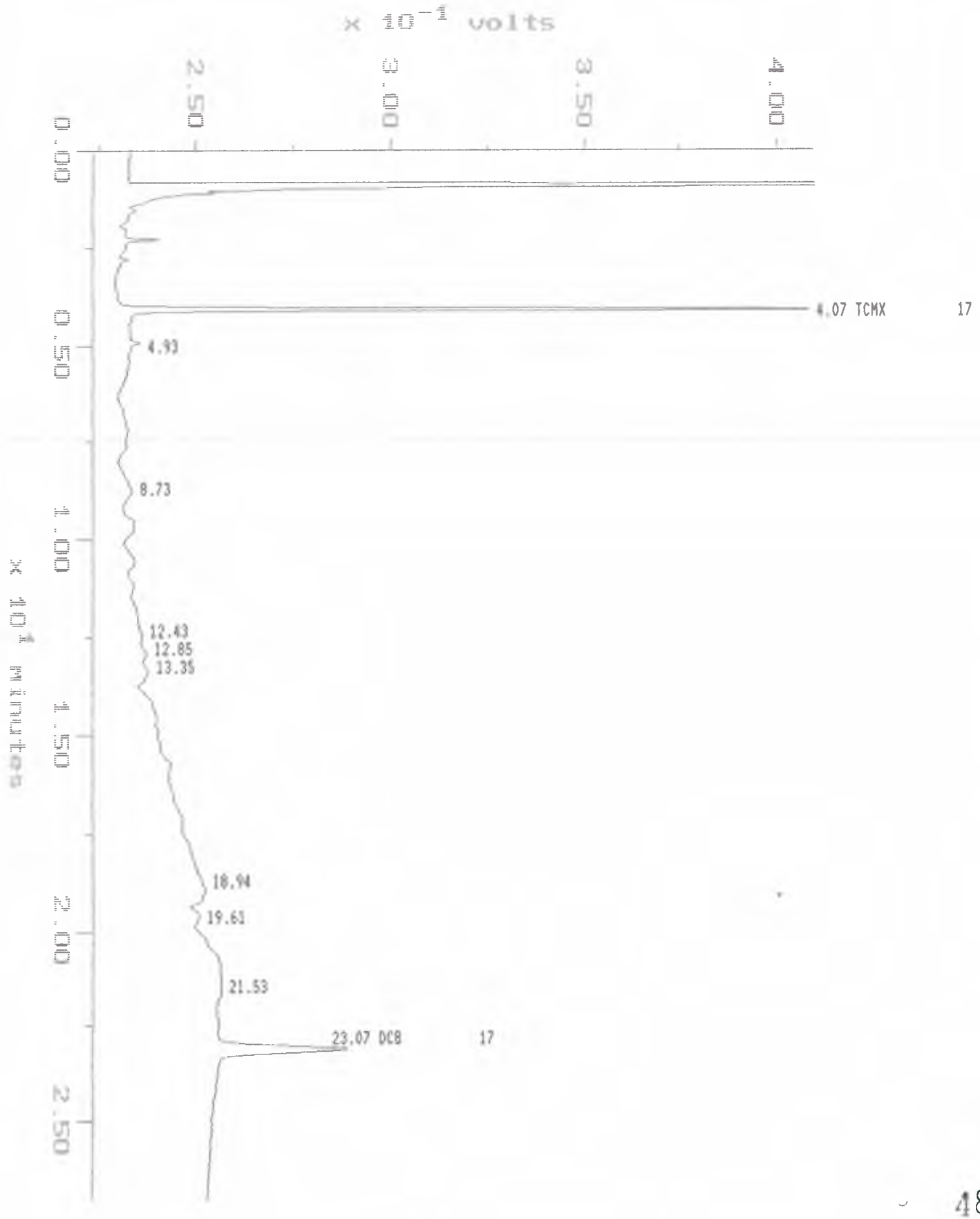
Sample: MB PE124
Acquired: 20-DEC-94 4:27
Dilution: 1 : 10.000

Channel: ECD DB-1701
Method: D:\MAX\DATA1\941219A
Amount: 10.000

Filename: 94121936
Operator: SJL



Sample: MB PE124 Channel: ECD DB-17 Filename: 9412193
Acquired: 20-DEC-94 4:27 Method: D:\MAX\DATA1\941219A Operator: SJL
Dilution: 1 : 10.000 Amount: 10.000



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MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 13:54:45

SAMPLE: MB PE124
#36 in Method: 8080 PESTICIDES
Acquired: 20-DEC-1994 4:27
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94121936
Index: Disk

Dilution: 10.000
Amount: 10.000

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.125	TCMX	1701	2	651715	46.63	16.25	16.25
1.352	5.575				20182	1.44		
4.885	20.150				-207316	14.83		
5.202	21.458	DCB	1701	40	518423	37.09	20.91	20.91
TOTAL					1397636		37.16	37.16

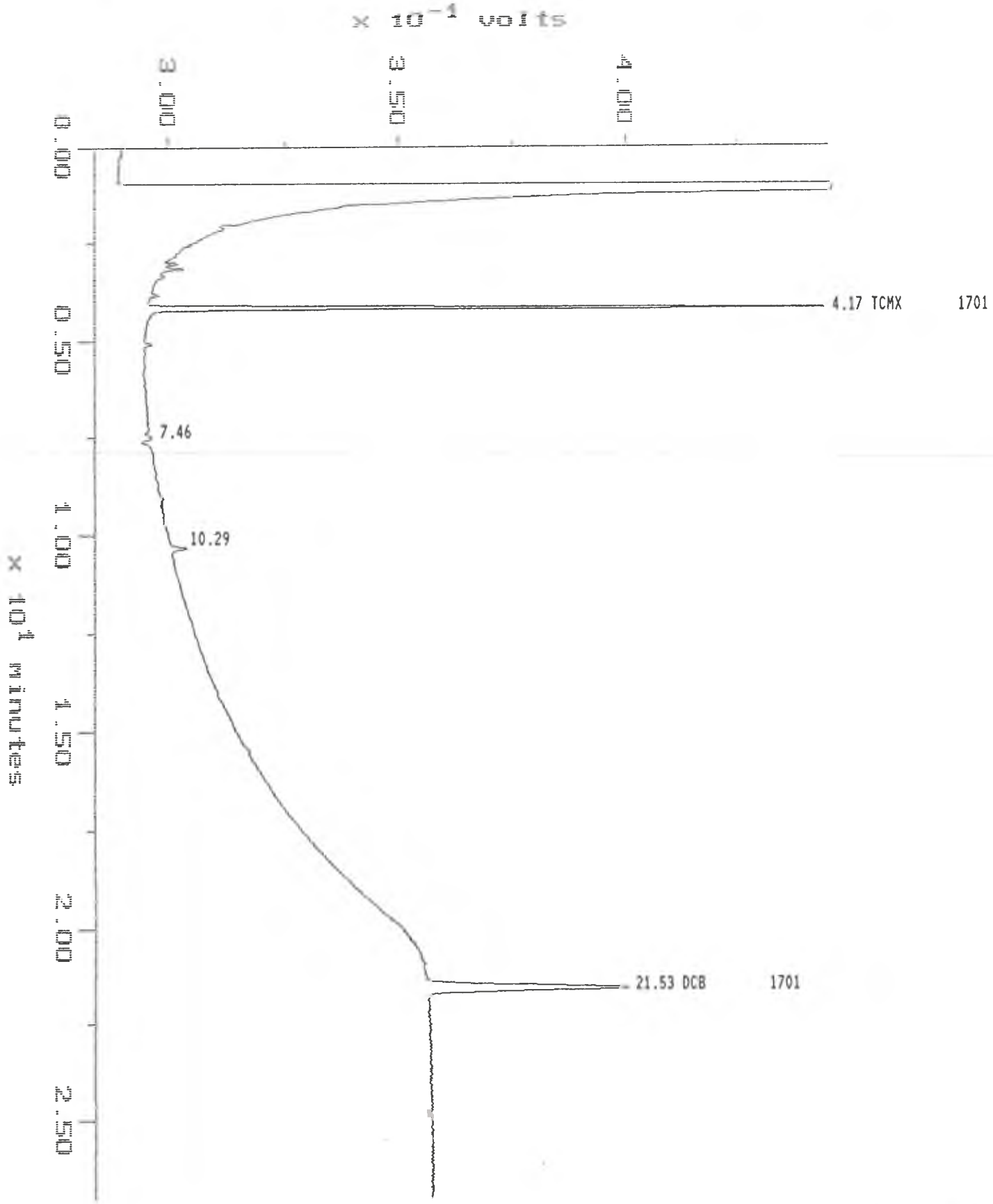
DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.067	TCMX	17	1	777695	38.29	17.50	17.50
1.211	4.925				18104	0.89		
2.148	8.733				80894	3.98		
3.057	12.433				23188	1.14		
3.160	12.850				46130	2.27		
3.283	13.350				68480	3.37		
4.658	18.942				405255	19.95		
4.822	19.608				29769	1.47		
5.295	21.533				154037	7.58		
5.672	23.067	DCB	17	41	427416	21.04	18.34	18.34
TOTAL					2030969		35.84	35.84

Sample: MB PE126
Acquired: 21-DEC-94 14:05
Dilution: 1 : 10.000

Channel: ECD DB-1701
Method: D:\MAX\DATA1\941221A
Amount: 1000.000

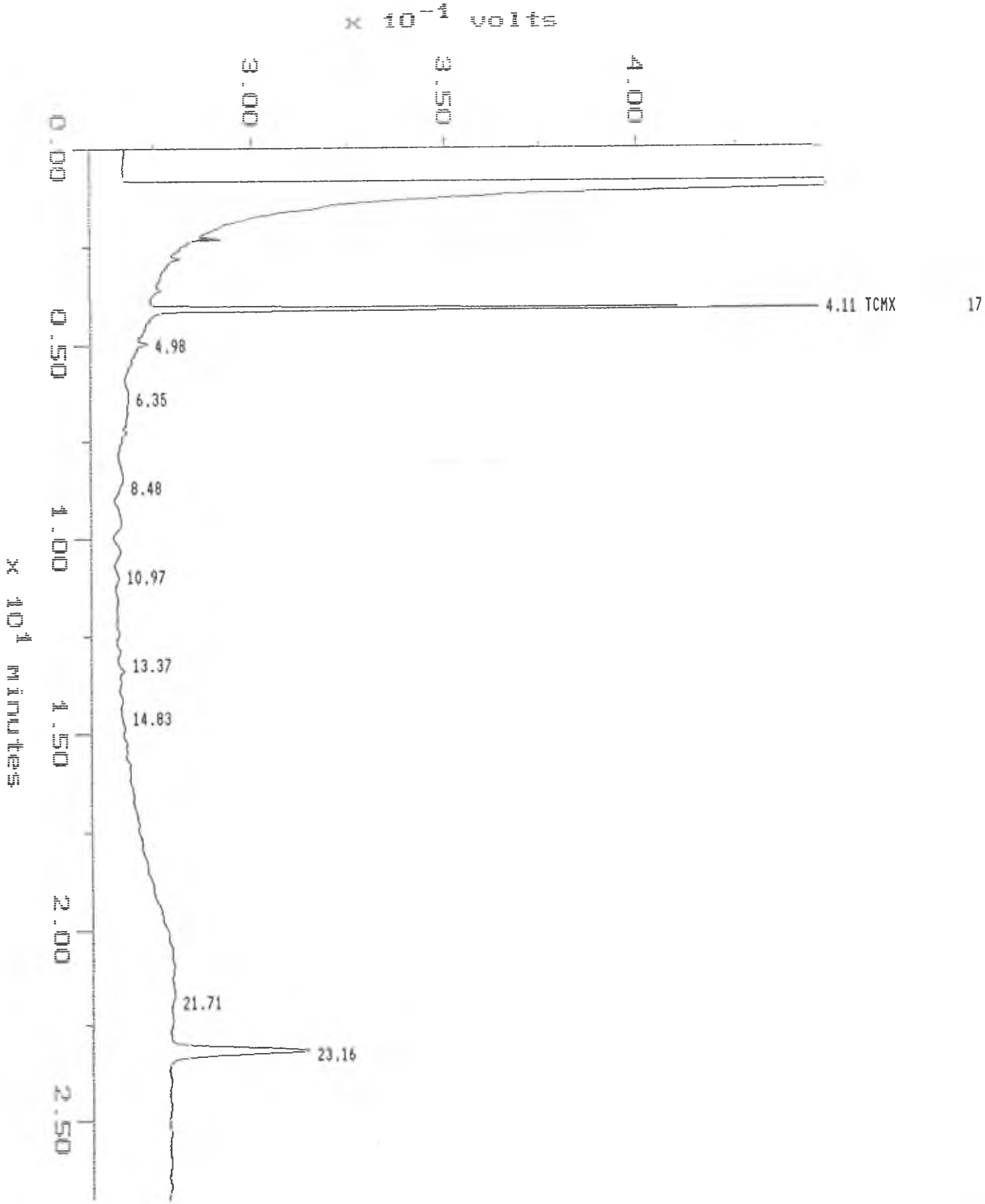
Filename: 94122104
Operator: SJL



Sample: MB PE126
Acquired: 21-DEC-94 14:05
Dilution: 1 : 10.000

Channel: ECD DB-17
Method: D:\MAX\DATA1\941221A
Amount: 1000.000

Filename: 94122104
Operator: SJL



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MAXIMA 820 CUSTOM REPORT

Printed: 22-DEC-1994 14:08:10

SAMPLE: MB PE126
#11 in Method: 8080 PESTICIDES
Acquired: 21-DEC-1994 14:05
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94122104
Index: Disk

Dilution: 10.000
Amount: 1000.000

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.167	TCMX	1701	2	567371	55.08	14.21	0.14
1.790	7.458				12859	1.25		
2.470	10.292				17178	1.67		
5.168	21.533	DCB	1701	40	432597	42.00	17.48	0.17
TOTAL					1030006		31.70	0.32

DETECTOR: ECD DB-17

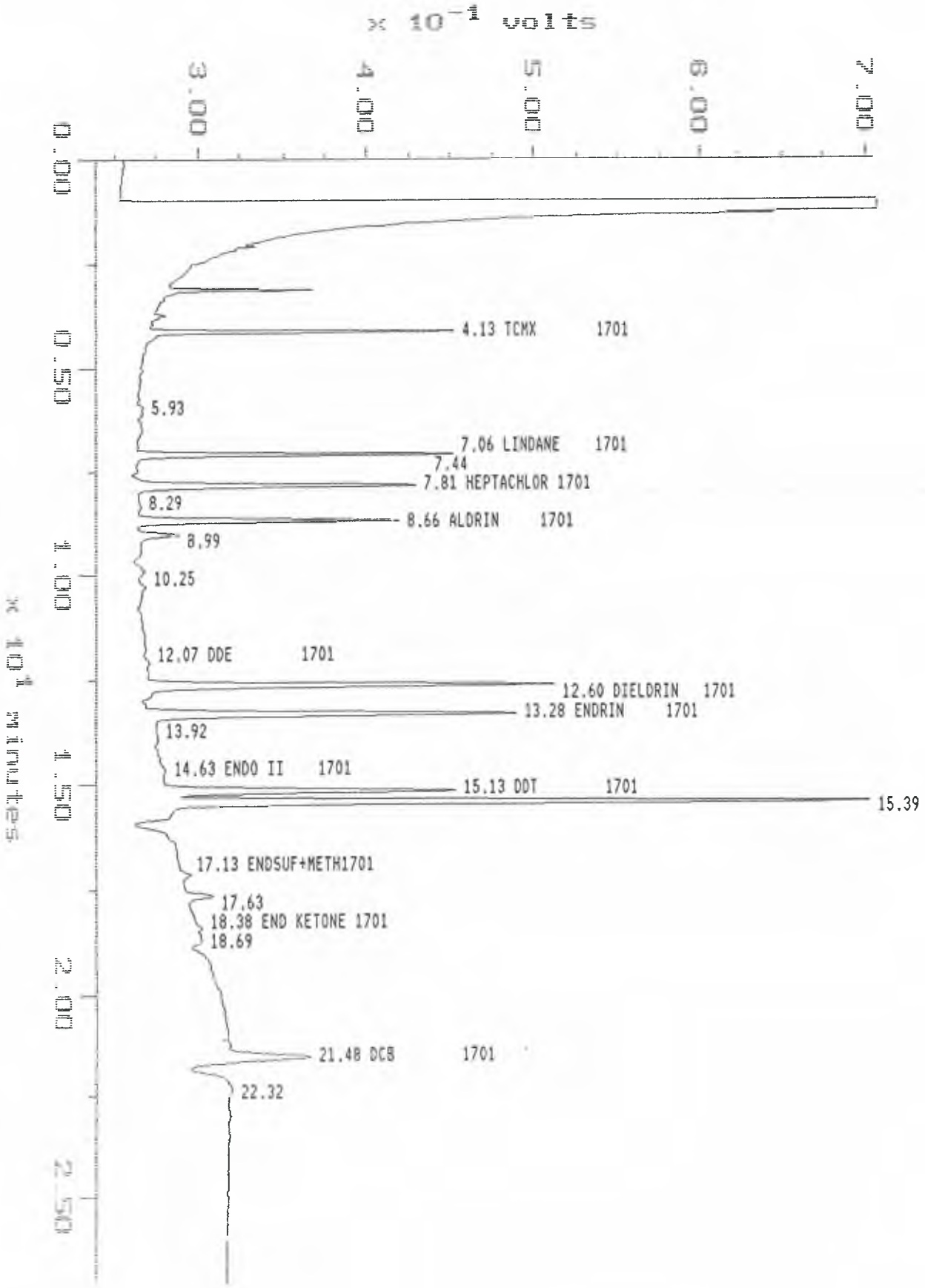
Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.108	TCMX	17	1	764550	49.35	17.19	0.17
1.546	6.350				12297	0.79		
2.065	8.483				25073	1.62		
2.669	10.967				15886	1.03		
3.254	13.367				10611	0.68		
3.609	14.825				12358	0.80		
5.284	21.708				259321	16.74		
5.637	23.158				449094	28.99		
TOTAL					1549191		17.19	0.17

MATRIX SPIKE/MATRIX SPIKE DUPLICATE DATA

Sample: 45227-5 MS
Acquired: 30-DEC-94 12:37
Dilution: 1 : 10.000

Channel: ECD DB-1701
Method: D:\MAX\DATA1\941229B
Amount: 890.000

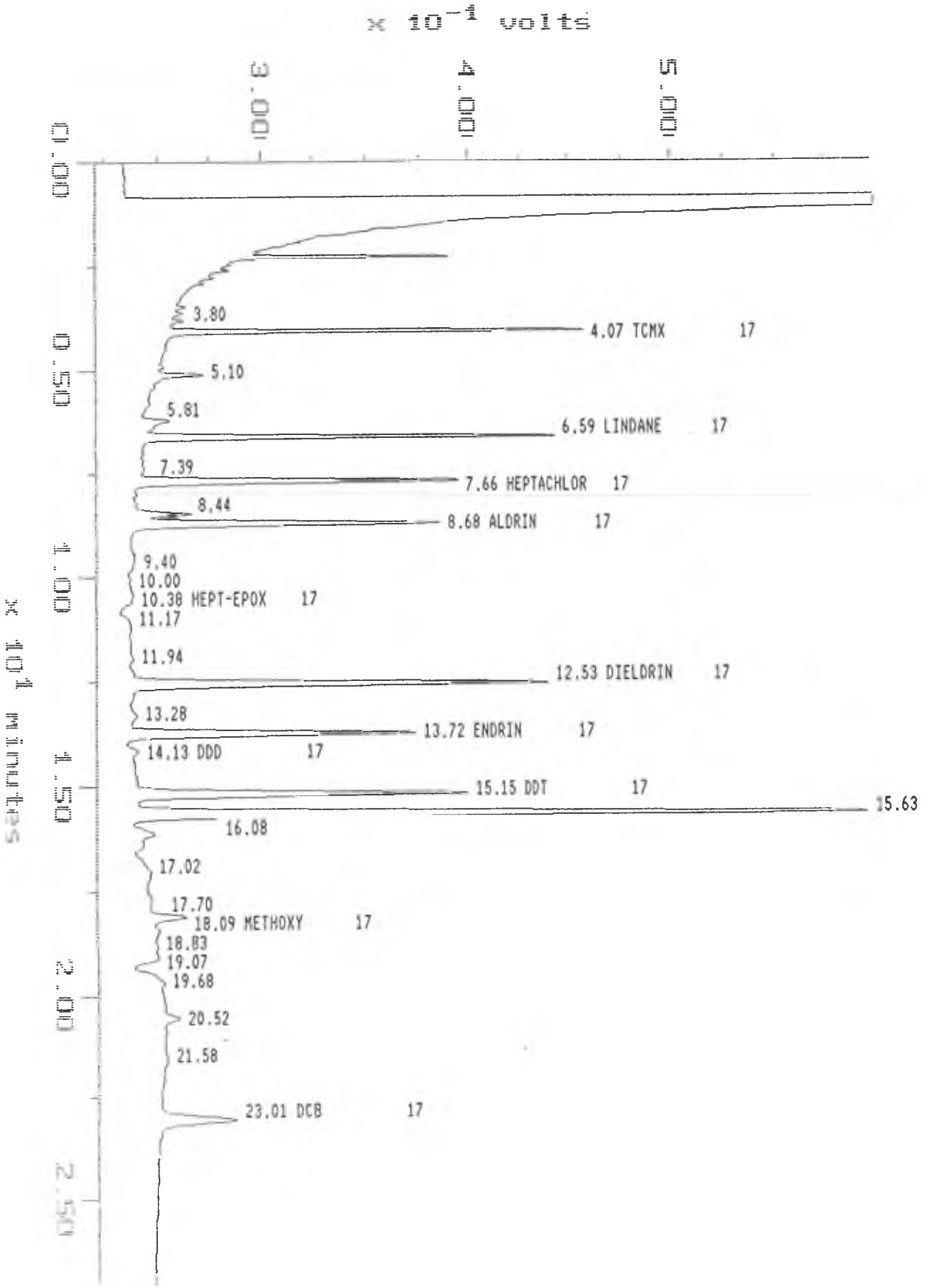
Filename: 94122950
Operator: SJL



Sample: 45227-5 MS
Acquired: 30-DEC-94 12:37
Dilution: 1 : 10.000

Channel: ECD DB-17
Method: D:\MAX\DATA1\941229B
Amount: 890.000

Filename: 94122950
Operator: SJL



AXIMA (c)1990 Dynamic Solutions, Division of Millipore

MAXIMA 820 CUSTOM REPORT

Printed: 4-JAN-1995 11:38:41

SAMPLE: 45227-5 MS
#29 in Method: 8080 PESTICIDES
Acquired: 30-DEC-1994 12:37
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94122950
Index: Disk

Dilution: 10.000
Amount: 890.000

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.133	TCMX 1701	2	668370	5.75	16.65	0.19
1.435	5.933			37078	0.32		
1.708	7.058	LINDANE 1701	7	940110	8.08	16.97	0.19
1.889	7.808	HEPTACHLOR 1701	9	984980	8.47	17.36	0.20
2.006	8.292			10145	0.09		
2.095	8.658	ALDRIN 1701	11	942546	8.10	17.19	0.19
2.175	8.992			171084	1.47		
2.919	12.067	DDE 1701	21	21753	0.19	1.19!!	0.01!!
3.048	12.600	DIELDRIN 1701	24	1619303	13.92	34.22	0.38
3.212	13.275	ENDRIN 1701	25	1511898	13.00	38.73	0.44
3.540	14.633			19276	0.17		
3.661	15.133	DDT 1701	31	1176332	10.11	35.32	0.40
3.724	15.392			2853918	24.54		
4.143	17.125	ENDSUF+METH1701	36	43180	0.37	3.41	0.04
4.266	17.633			125307	1.08		
4.448	18.383	END KETONE 1701	38	15752	0.14	1.11!!	0.01!!
4.522	18.692			19522	0.17		
5.198	21.483	DCB 1701	40	470932	4.05	19.01	0.21
TAL				11631486		201.17!!	2.26!!

Result calculation based on peak response more than 10% outside of calibration range.

DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.934	3.800			25225	0.20		
1.000	4.067	TCMX 17	1	876045	6.86	19.83	0.22
1.250	5.083			108783	0.85		

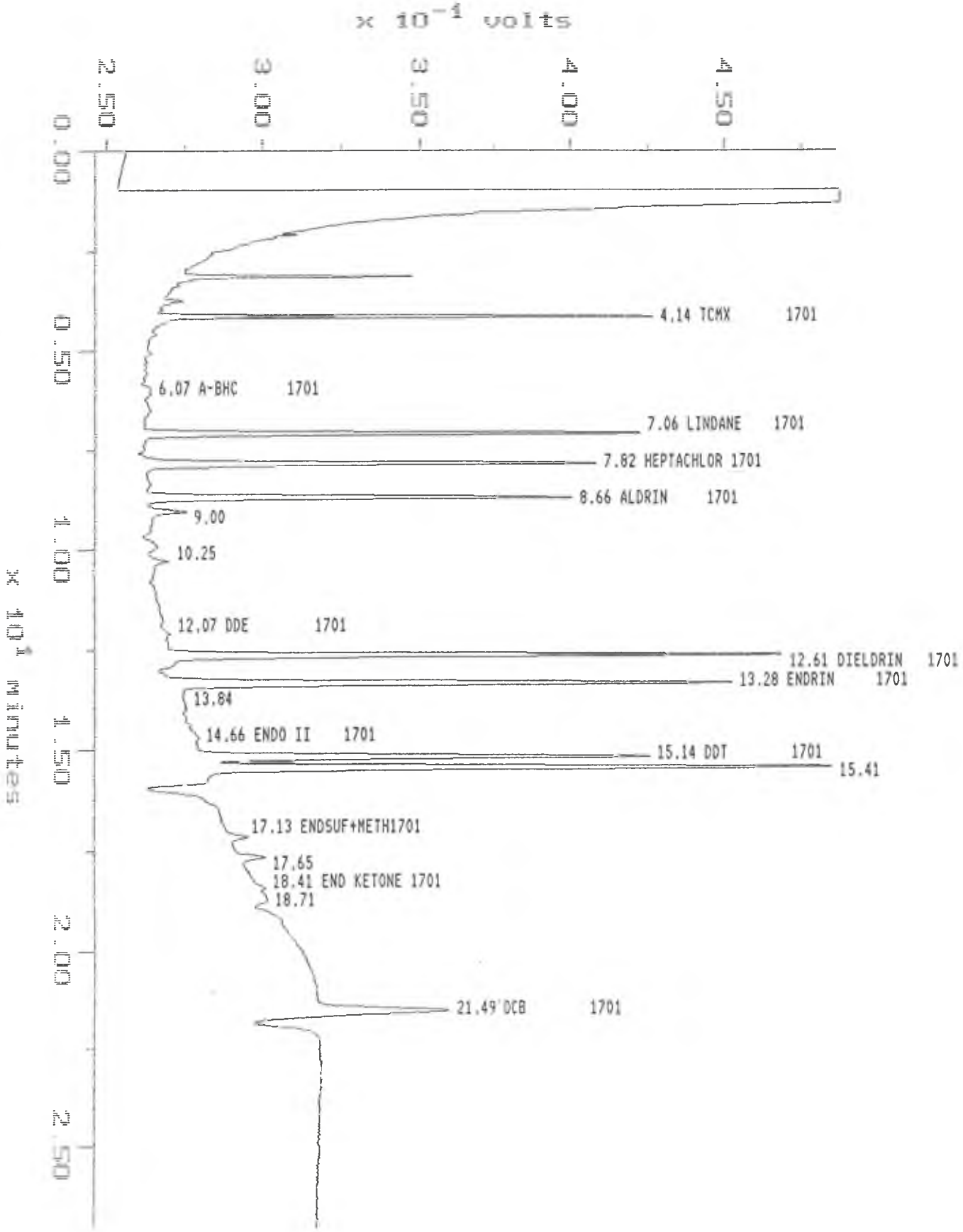
1.529	6.217				139388	1.09		
1.621	6.592	LINDANE	17	5	1185360	9.28	20.57	0.23
1.883	7.658	HEPTACHLOR	17	8	1097491	8.59	22.55	0.25
2.076	8.442				220148	1.72		
2.133	8.675	ALDRIN	17	12	1118868	8.76	20.22	0.23
2.936	11.942				12859	0.10		
3.080	12.525	DIELDRIN	17	23	1669727	13.08	39.52	0.44
3.266	13.283				43175	0.34		
3.373	13.717	ENDRIN	17	26	1113126	8.72	32.82	0.37
3.473	14.125	DDD	17	27	33924	0.27	0.41!	0.00!
3.725	15.150	DDT	17	32	1305478	10.22	40.90	0.46
3.844	15.633				2932929	22.97		
4.184	17.017				128784	1.01		
4.449	18.092	METHOXY	17	37	155568	1.22	11.11	0.12
4.529	18.417	END KETONE	17	39	35393	0.28	0.80!	0.01!
4.689	19.067				55872	0.44		
5.045	20.517				58650	0.46		
5.658	23.008	DCB	17	41	452851	3.55	19.45	0.22
					---		---	---
OTAL					12769644		228.19!	2.56!

Result calculation based on peak response ratio outside of calibration range.

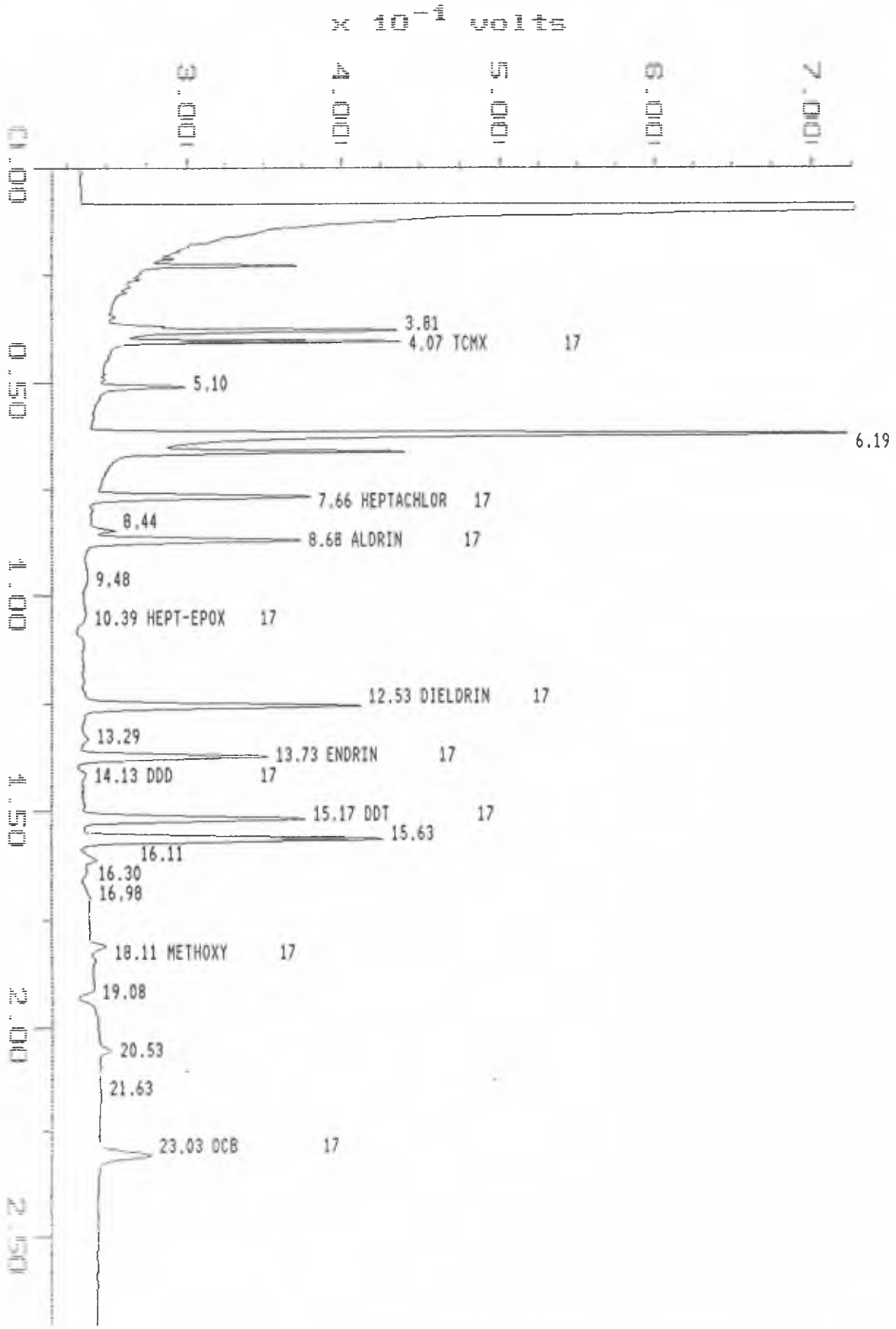
Sample: 45227-5 MSD
Acquired: 30-DEC-94 13:06
Dilution: 1 : 10.000

Channel: ECD DB-1701
Method: D:\MAX\DATA1\9412298
Amount: 940.000

Filename: 94122951
Operator: SJL



Sample: 45227-5 MSD Channel: ECD DB-17 Filename: 94122951
Acquired: 30-DEC-94 13:06 Method: D:\MAX\DATA1\941229B Operator: SJL
Dilution: 1 : 10.000 Amount: 940.000



AXIMA (c)1990 Dynamic Solutions, Division of Millipore

MAXIMA 820 CUSTOM REPORT

Printed: 4-JAN-1995 11:39:05

SAMPLE: 45227-5 MSD
#30 in Method: 8080 PESTICIDES
Acquired: 30-DEC-1994 13:06
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94122951
Index: Disk

Dilution: 10.000
Amount: 940.000

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.142	TCMX 1701	2	588265	6.54	14.72	0.16
1.704	7.058	LINDANE 1701	7	812005	9.03	14.75	0.16
1.887	7.817	HEPTACHLOR 1701	9	908187	10.10	16.05	0.17
2.091	8.658	ALDRIN 1701	11	842530	9.37	15.42	0.16
2.173	9.000			79951	0.89		
2.475	10.250			38881	0.43		
2.913	12.067	DDE 1701	21	11799	0.13	0.99!!	0.01!!
3.044	12.608	DIELDRIN 1701	24	1356619	15.09	28.78	0.31
3.207	13.283	ENDRIN 1701	25	1289078	14.34	33.09	0.35
3.539	14.658	ENDO II 1701	30	20341	0.23	1.06!!	0.01!!
3.656	15.142	DDT 1701	31	1017916	11.32	30.69	0.33
3.720	15.408			1389985	15.46		
4.137	17.133	ENDSUF+METH1701	36	47873	0.53	3.63	0.04
4.262	17.650			60025	0.67		
4.445	18.408	END KETONE 1701	38	24824	0.28	1.40!	0.01!
4.517	18.708			62822	0.70		
5.189	21.492	DCB 1701	40	440332	4.90	17.79	0.19
TAL				8991435		178.37!!	1.90!!

Result calculation based on peak response more than 10% outside of calibration range.
Result calculation based on peak response ratio outside of calibration range.

DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.936	3.808			709757	4.77		
1.000	4.067	TCMX 17	1	749538	5.03	16.83	0.18
1.254	5.100			311053	2.09		

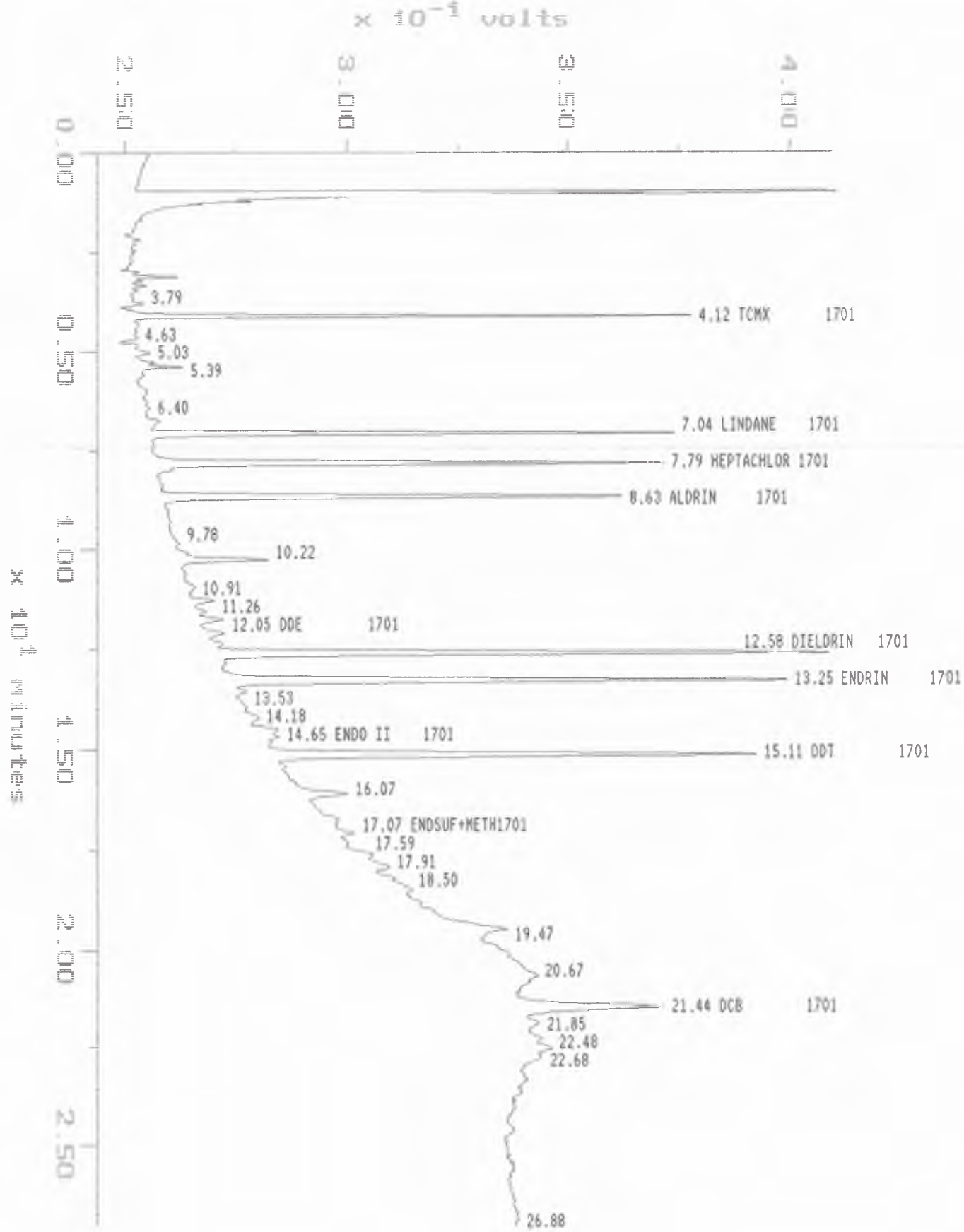
1.523	6.192				3978782	26.72		
1.621	6.592	LINDANE	17	5	1197064	8.04	20.78	0.22
1.883	7.658	HEPTACHLOR	17	8	972361	6.53	19.89	0.21
2.076	8.442				118967	0.80		
2.135	8.683	ALDRIN	17	12	1007167	6.76	18.11	0.19
3.082	12.533	DIELDRIN	17	23	1447730	9.72	34.17	0.36
3.375	13.725	ENDRIN	17	26	942435	6.33	27.67	0.29
3.473	14.125	DDD	17	27	28855	0.19	0.25!!	0.00!!
3.730	15.167	DDT	17	32	1144413	7.69	35.82	0.38
3.844	15.633				1559292	10.47		
3.961	16.108				83169	0.56		
4.176	16.983				25118	0.17		
4.453	18.108	METHOXY	17	37	87171	0.59	6.22	0.07
4.529	18.417	END KETONE	17	39	18295	0.12	0.26!!	0.00!!
5.047	20.525				69196	0.46		
5.320	21.633				24748	0.17		
5.662	23.025	DCB	17	41	413792	2.78	17.75	0.19
					---		---	---
TAL					14888902		197.76!!	2.10!!

Result calculation based on peak response more than 10% outside of calibration range.

Sample: 45227-8 MS
Acquired: 20-DEC-94 5:54
Dilution: 1 : 10.000

Channel: ECD DB-1701
Method: D:\MAX\DATA1\941219A
Amount: 10.415

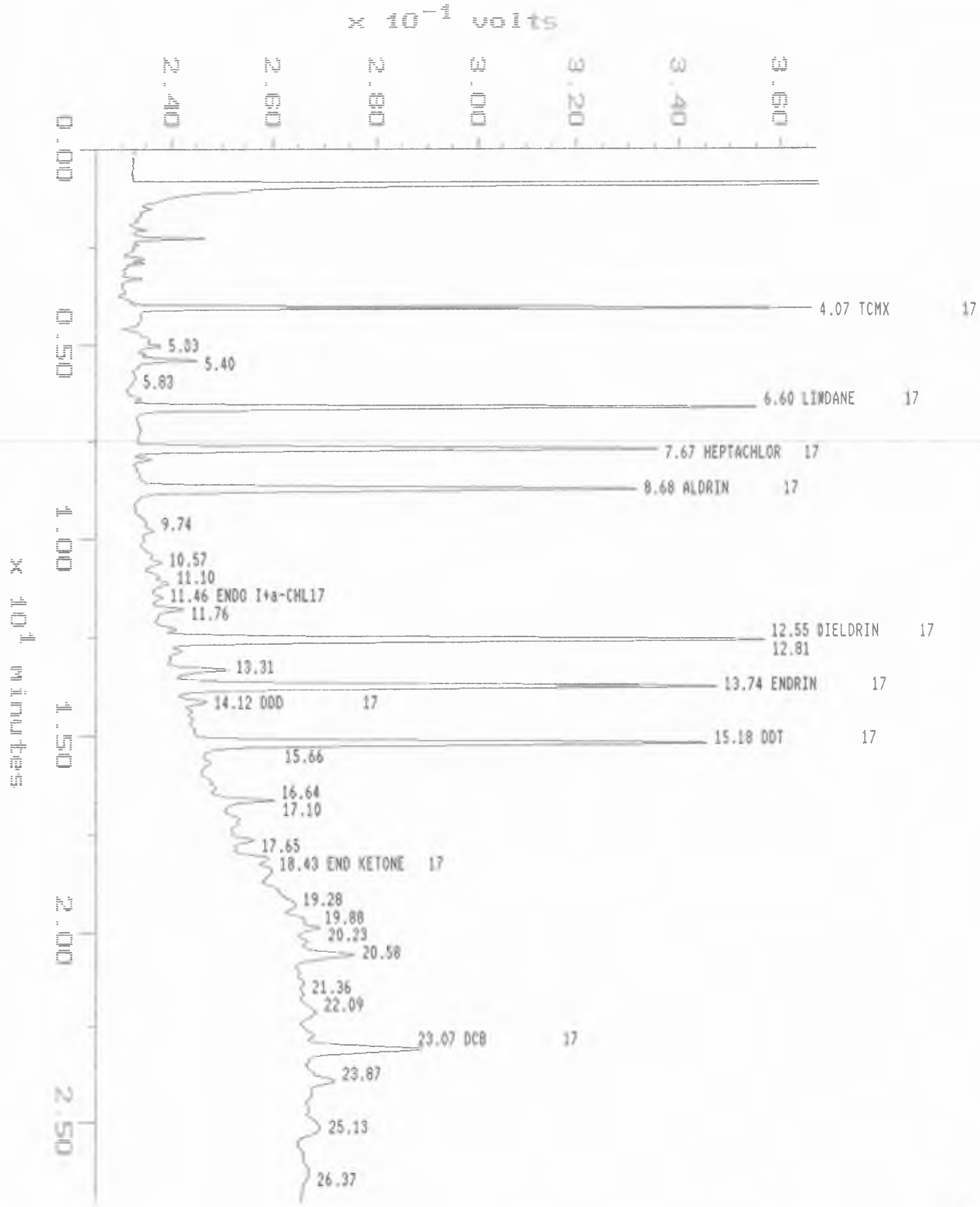
Filename: 94121939
Operator: SJL



Sample: 45227-8 MS
Acquired: 20-DEC-94 5:54
Dilution: 1 : 10.000

Channel: ECD DB-17
Method: D:\MAX\DATA1\941219A
Amount: 10.415

Filename: 94121939
Operator: SJL



MAXIMA (c)1990 Dynamic Solutions, Division of Millipore

MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 13:56:01

SAMPLE: 45227-8 MS
#39 in Method: 8080 PESTICIDES
Acquired: 20-DEC-1994 5:54
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94121939
Index: Disk

Dilution: 10.000
Amount: 10.415

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.921	3.792			16643	0.25		
1.000	4.117	TCMX 1701	2	502341	7.45	12.64	12.14
1.053	4.333			10166	0.15		
1.123	4.625			15173	0.22		
1.223	5.033			64528	0.96		
1.310	5.392			78400	1.16		
1.555	6.400			10448	0.15		
1.634	6.725			22309	0.33		
1.711	7.042	LINDANE 1701	7	598469	8.87	11.04	10.60
1.893	7.792	HEPTACHLOR 1701	9	715146	10.60	12.76	12.25
2.097	8.633	ALDRIN 1701	11	650554	9.64	12.02	11.54
2.377	9.783			13092	0.19		
2.482	10.217			149854	2.22		
2.650	10.908			14738	0.22		
2.735	11.258			29303	0.43		
2.798	11.517	ENDOI+G-CH 1701	19	11415	0.17	1.80!!	1.72!!
2.848	11.725	A-CHLORDNE 1701	20	34451	0.51	1.35!!	1.30!!
2.927	12.050	DDE 1701	21	34868	0.52	1.46!!	1.40!!
2.994	12.325			20712	0.31		
3.055	12.575	DIELDRIN 1701	24	953112	14.13	20.42	19.61
3.219	13.250	ENDRIN 1701	25	914183	13.55	23.62	22.68
3.285	13.525			13138	0.19		
3.443	14.175			22709	0.34		
3.520	14.492	DDD 1701	29	35967	0.53	1.55	1.49
3.559	14.650	ENDO II 1701	30	23240	0.34	1.14!!	1.09!!
3.670	15.108	DDT 1701	31	768580	11.39	23.41	22.48
3.903	16.067			78037	1.16		
4.146	17.067	ENDSUF+METH1701	36	21426	0.32	2.39!!	2.29!!
4.273	17.592			36157	0.54		
4.350	17.908			50122	0.74		
4.494	18.500			48345	0.72		
4.729	19.467			115250	1.71		
5.020	20.667			107534	1.59		

5.209	21.442	DCB	1701	40	350180	5.19	14.19	13.62
5.308	21.850				25762	0.38		
5.405	22.250				26903	0.40		
5.462	22.483				67739	1.00		
5.508	22.675				40642	0.60		
6.528	26.875				53880	0.80		
					---		---	---
TOTAL					6745517		139.78!!	134.21!!

!! Result calculation based on peak response more than 10% outside of calibration range.

DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.067	TCMX	17	1	682147	8.21	15.24	14.63
1.236	5.025				147251	1.77		
1.328	5.400				150726	1.81		
1.434	5.833				35780	0.43		
1.566	6.367				14467	0.17		
1.623	6.600	LINDANE	17	5	737661	8.88	12.49	11.99
1.885	7.667	HEPTACHLOR	17	8	736677	8.87	14.88	14.28
1.949	7.925				16857	0.20		
2.135	8.683	ALDRIN	17	12	796505	9.59	14.13	13.57
2.395	9.742				46683	0.56		
2.598	10.567				48290	0.58		
2.730	11.100				64611	0.78		
2.818	11.458	ENDO I+a-CHL	17	18	17261	0.21	Invalid	Invalid
2.891	11.758				49427	0.60		
3.016	12.267	DDE	17	22	26153	0.31	Invalid	Invalid
3.086	12.550	DIELDRIN	17	23	1027644	12.37	24.03	23.08
3.150	12.808				12007	0.14		
3.273	13.308				97036	1.17		
3.379	13.742	ENDRIN	17	26	900166	10.84	26.40	25.34
3.471	14.117	DDD	17	27	40544	0.49	0.63	0.60
3.533	14.367	ENDO II	17	28	19164	0.23	0.05!!	0.04!!
3.732	15.175	DDT	17	32	845797	10.18	26.40	25.35
3.850	15.658				14945	0.18		
4.012	16.317				31191	0.38		
4.092	16.642				127221	1.53		
4.205	17.100				64704	0.78		
4.340	17.650				43176	0.52		
4.449	18.092	METHOXY	17	37	59434	0.72	4.24	4.07
4.533	18.433	END KETONE	17	39	103729	1.25	2.95	2.83
4.740	19.275				213896	2.58		
4.887	19.875				208681	2.51		
4.973	20.225				74034	0.89		

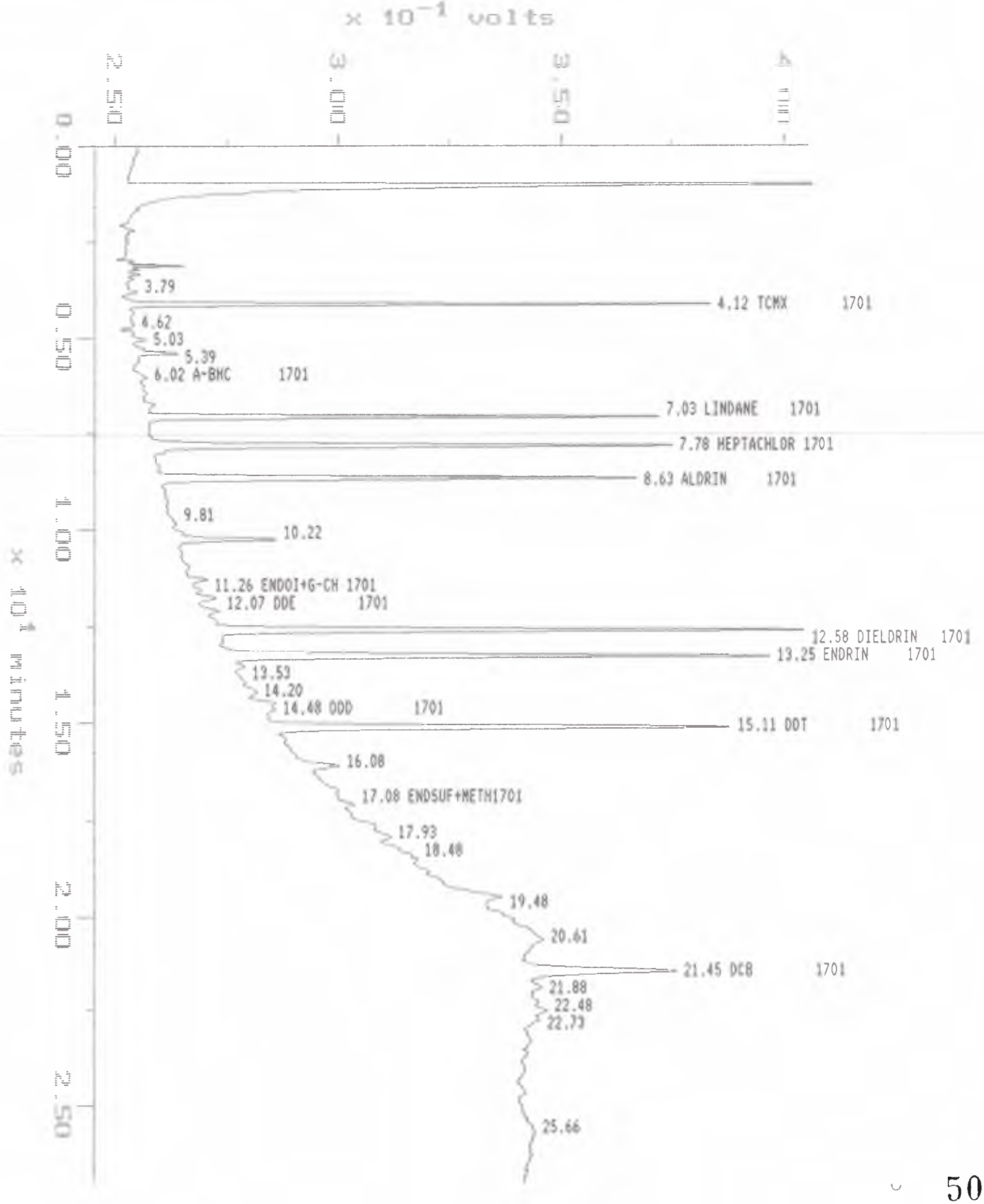
5.061	20.583				176643	2.13		
5.252	21.358				10320	0.12		
5.432	22.092				75699	0.91		
5.574	22.667				37099	0.45		
5.672	23.067	DCB	17	41	321089	3.87	13.71	13.16
5.869	23.867				128481	1.55		
6.178	25.125				77205	0.93		
6.484	26.367				25484	0.31		
					---		---	---
TOTAL					8305881		155.13!!	148.94!!

!! Result calculation based on peak response more than 10% outside of calibration range.

Sample: 45227-8 MSD
Acquired: 20-DEC-94 6:23
Dilution: 1 : 10.000

Channel: ECD DB-1701
Method: D:\MAX\DATA1\941219A
Amount: 10.299

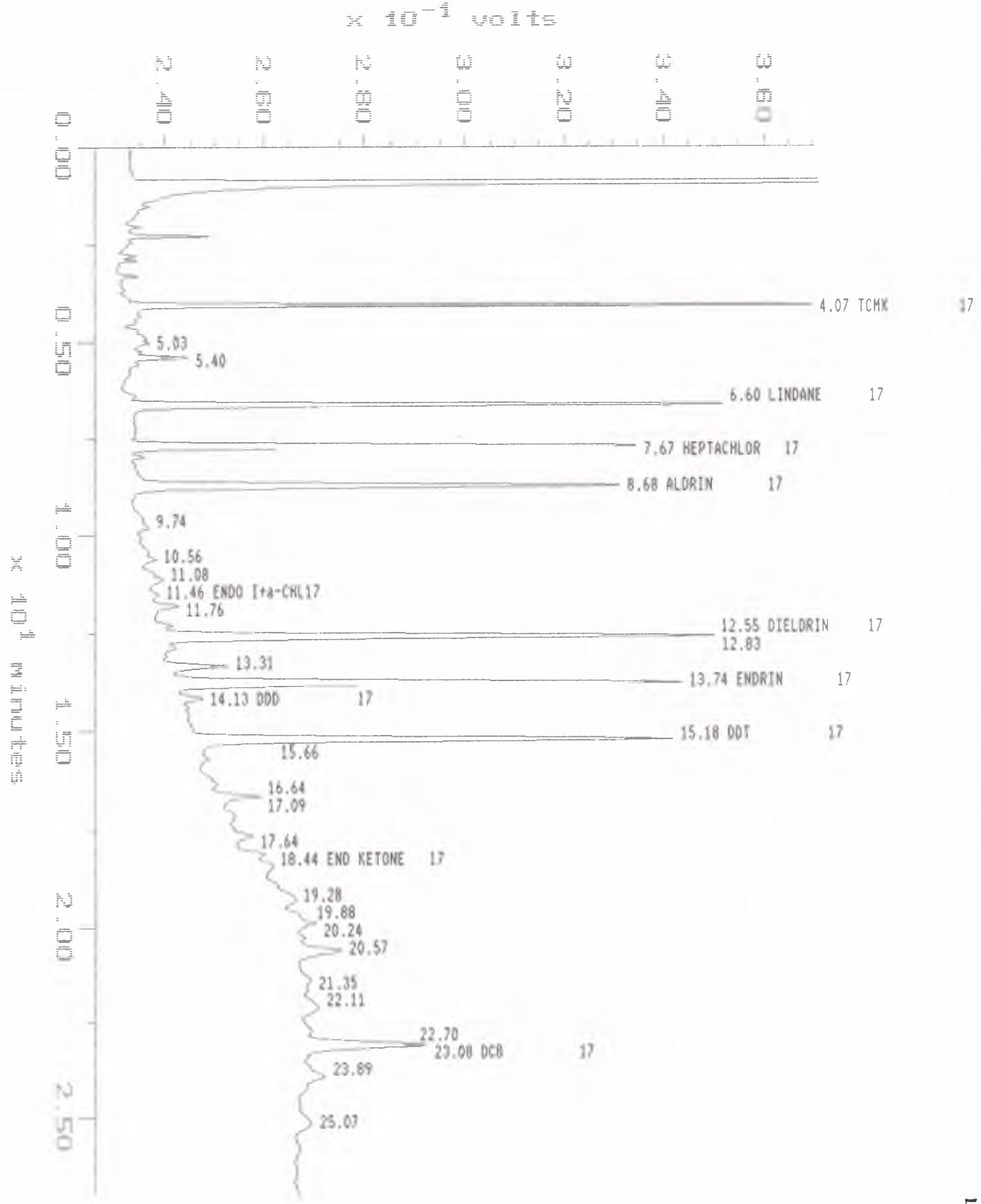
Filename: 94121940
Operator: SJL



Sample: 45227-8 MSD
Acquired: 20-DEC-94 6:23
Dilution: 1 : 10.000

Channel: ECD DB-17
Method: D:\MAX\DATA1\941219\
Amount: 10.299

Filename: 94121940
Operator: SJL



MAXIMA (c)1990 Dynamic Solutions, Division of Millipore

MAXIMA 820 CUSTOM REPORT

Printed: 20-DEC-1994 13:56:30

SAMPLE: 45227-8 MSD
#40 in Method: 8080 PESTICIDES
Acquired: 20-DEC-1994 6:23
Rate: 2.0 points/sec
Duration: 27.000 minutes
Operator: SJL

Type: UNKN
Instrument: 3400 Varian GC
Filename: 94121940
Index: Disk

Dilution: 10.000
Amount: 10.299

DETECTOR: ECD DB-1701

Relative Time	Retention Time (minutes)	Component Name	ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
0.921	3.792			12039	0.19		
1.000	4.117	TCMX 1701	2	506672	8.00	12.75	12.38
1.121	4.617			11942	0.19		
1.223	5.033			15664	0.25		
1.310	5.392			53364	0.84		
1.462	6.017	A-BHC 1701	4	16514	0.26	1.00!!	0.98!!
1.636	6.733			17076	0.27		
1.709	7.033	LINDANE 1701	7	570513	9.01	10.55	10.25
1.891	7.783	HEPTACHLOR 1701	9	713129	11.26	12.72	12.35
2.097	8.633	ALDRIN 1701	11	659149	10.41	12.17	11.82
2.383	9.808			14788	0.23		
2.482	10.217			157889	2.49		
2.735	11.258	ENDOI+G-CH 1701	19	25974	0.41	2.10!!	2.04!!
2.848	11.725	A-CHLORDNE 1701	20	43614	0.69	1.54	1.50
2.931	12.067	DDE 1701	21	24184	0.38	1.24!!	1.21!!
3.057	12.583	DIELDRIN 1701	24	875651	13.83	18.82	18.27
3.219	13.250	ENDRIN 1701	25	860357	13.59	22.26	21.61
3.285	13.525			18304	0.29		
3.449	14.200			19897	0.31		
3.518	14.483	DDD 1701	29	31955	0.50	1.43	1.39
3.555	14.633	ENDO II 1701	30	21273	0.34	1.08!!	1.05!!
3.670	15.108	DDT 1701	31	731372	11.55	22.32	21.68
3.907	16.083			59192	0.93		
4.148	17.075	ENDSUF+METH1701	36	16924	0.27	2.17!!	2.11!!
4.354	17.925			74028	1.17		
4.488	18.475			72868	1.15		
4.733	19.483			44118	0.70		
5.006	20.608			156131	2.47		
5.211	21.450	DCB 1701	40	360066	5.69	14.58	14.16
5.316	21.883			26558	0.42		
5.411	22.275			16902	0.27		
5.462	22.483			51018	0.81		
5.520	22.725			33053	0.52		

6.233	25.658			19256	0.30		
TOTAL				6331435		136.76!!	132.80!!

!! Result calculation based on peak response more than 10% outside of calibration range.

DETECTOR: ECD DB-17

Relative Time	Retention Time (minutes)	Component Name		ID#	Peak Area	Area Percent (per cent)	Solution Conc (ppb)	Original Conc (ppb)
1.000	4.067	TCMX	17	1	688369	8.79	15.38	14.94
1.236	5.025				100166	1.28		
1.328	5.400				101495	1.30		
1.566	6.367				15442	0.20		
1.623	6.600	LINDANE	17	5	720622	9.21	12.18	11.83
1.885	7.667	HEPTACHLOR	17	8	729305	9.32	14.72	14.29
1.949	7.925				13389	0.17		
2.135	8.683	ALDRIN	17	12	791994	10.12	14.04	13.64
2.395	9.742				51049	0.65		
2.596	10.558				46137	0.59		
2.725	11.083				52768	0.67		
2.818	11.458	ENDO I+a-CHL	17	18	12938	0.17	Invalid	Invalid
2.891	11.758				46501	0.59		
3.016	12.267	DDE	17	22	22032	0.28	Invalid	Invalid
3.086	12.550	DIELDRIN	17	23	961195	12.28	22.43	21.78
3.154	12.825				11129	0.14		
3.273	13.308				100034	1.28		
3.379	13.742	ENDRIN	17	26	859268	10.98	25.16	24.43
3.475	14.133	DDD	17	27	40849	0.52	0.64	0.62
3.734	15.183	DDT	17	32	828225	10.58	25.85	25.10
3.850	15.658				14031	0.18		
4.014	16.325				33832	0.43		
4.092	16.642				103703	1.32		
4.203	17.092				46599	0.60		
4.338	17.642				47644	0.61		
4.453	18.108	METHOXY	17	37	46561	0.59	3.32	3.22
4.535	18.442	END KETONE	17	39	103773	1.33	2.95	2.87
4.742	19.283				205961	2.63		
4.887	19.875				175680	2.24		
4.977	20.242				49737	0.64		
5.057	20.567				151932	1.94		
5.250	21.350				13232	0.17		
5.436	22.108				63483	0.81		
5.582	22.700				32213	0.41		
5.676	23.083	DCB	17	41	356870	4.56	15.27	14.82
5.875	23.892				132871	1.70		
6.164	25.067				57076	0.73		

TOTAL	7828104	151.94	147.53

PERCENT SOLIDS DATA

DRY WEI[illegible] LOG

ANALYST SOR

DATE 12-19-94

Sample No.	45227-7	Sample No.	227-8	Sample No.		Sample No.		Sample No.	
Samp + tin	12.8022	Samp + tin	6.6041	Samp + tin		Samp + tin		Samp + tin	
Final Wt	8.9196	Final Wt	4.4189	Final Wt		Final Wt		Final Wt	
Samp Wt	12.1535	Samp Wt	5.9477	Samp Wt		Samp Wt		Samp Wt	
% Solids	68.05	% Solids	63.32	% Solids		% Solids		% Solids	
Sample No.		Sample No.		Sample No.		Sample No.		Sample No.	
Samp + tin		Samp + tin		Samp + tin		Samp + tin		Samp + tin	
Final Wt		Final Wt		Final Wt		Final Wt		Final Wt	
Samp Wt		Samp Wt		Samp Wt		Samp Wt		Samp Wt	
% Solids		% Solids		% Solids		% Solids		% Solids	
Sample No.		Sample No.		Sample No.		Sample No.		Sample No.	
Samp + tin		Samp + tin		Samp + tin		Samp + tin		Samp + tin	
Final Wt		Final Wt		Final Wt		Final Wt		Final Wt	
Samp Wt		Samp Wt		Samp Wt		Samp Wt		Samp Wt	
% Solids		% Solids		% Solids		% Solids		% Solids	
Sample No.		Sample No.		Sample No.		Sample No.		Sample No.	
Samp + tin		Samp + tin		Samp + tin		Samp + tin		Samp + tin	
Final Wt		Final Wt		Final Wt		Final Wt		Final Wt	
Samp Wt		Samp Wt		Samp Wt		Samp Wt		Samp Wt	
% Solids		% Solids		% Solids		% Solids		% Solids	
Sample No.		Sample No.		Sample No.		Sample No.		Sample No.	
Samp + tin		Samp + tin		Samp + tin		Samp + tin		Samp + tin	
Final Wt		Final Wt		Final Wt		Final Wt		Final Wt	
Samp Wt		Samp Wt		Samp Wt		Samp Wt		Samp Wt	
% Solids		% Solids		% Solids		% Solids		% Solids	

CALCULATION: $\% \text{ Solids} = \left(\frac{[(\text{Samp + tin}) - (\text{Final Wt})] \times 100}{\text{Sample Wt}} \right) - 100$

Time In: 1210

Time Out: _____

Laboratory No. 45227

508

f:\users\wwforms\drywt.doc

LABORATORY WORKSHEETS

DATE DUE 12-30
S-W

Dual Column 20

8080 WORKSHEET (water)

PESTICIDE/PCBS

19/5

Ex 12/20

CLIENT Ecology & Environment	LAB SAMPLE No. 45227-1
CLIENT SAMPLE ID T4120210	S.R. INIT. DN
DATE SAMPLED 12-13-94	DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME 960 g / mL

DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____

MATRIX _____ SURR. ADDED _____ uL FINAL VOLUME _____ mL

DATE EXTRACTED 12-20-94 EXTRACTED BY Kam

GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED _____ uL FILENAME _____

ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Calc. Factor = Final Extract Vol. (mL) x Dilution Factor x 2 (if GPC'ed) / Samp. Vol.(Weight) (L (kg)) x Dry Weight (if applicable)

SAMPLE CALCULATION

Calculation Factor (b) = _____ x _____ x _____ = _____

DELIVERABLES Tier IV

D.R. 1/5/95

DATE DUE 12-30 Dual Column

8080 WORKSHEET

PESTICIDE/PCBS

CLIENT Ecology & Environment LAB SAMPLE No. 45227-2
CLIENT SAMPLE ID T4120211 S.R. INIT. DN
DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME 970 g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED _____uL FINAL VOLUME _____mL
DATE EXTRACTED 12-20-94 EXTRACTED BY Sam
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED _____uL FILENAME _____

ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Calc. Factor = Final Extract Vol. (mL) x Dilution Factor x 2 (if GPC'ed) / Samp. Vol.(Weight) (L (kg)) x Dry Weight (if applicable)

SAMPLE CALCULATION

Calculation Factor (b) = _____ x _____ x _____ = _____

DELIVERABLES Tier IV

DATE DUE 12-30 Dual Column

8080 WORKSHEET

PESTICIDE/PCBS

CLIENT Ecology & Environment LAB SAMPLE No. 45227-3
CLIENT SAMPLE ID T4120212 S.R. INIT. DN
DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME 960 g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED _____uL FINAL VOLUME _____mL
DATE EXTRACTED 12-20-94 EXTRACTED BY Sam
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED _____uL FILENAME _____
ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Calc. Factor = Final Extract Vol. (mL) x Dilution Factor x 2 (if GPC'ed) / Samp. Vol.(Weight) (L (kg)) x Dry Weight (if applicable)

SAMPLE CALCULATION

Calculation Factor (b) = _____ x _____ x _____ = _____

DELIVERABLES Tier IV

DATE DUE 12-30 Dual Column

8080 WORKSHEET

PESTICIDE/PCBS

CLIENT Ecology & Environment LAB SAMPLE No. 45227-4
CLIENT SAMPLE ID T4120221 S.R. INIT. DN
DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME 900 ml g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED _____ uL FINAL VOLUME _____ mL
DATE EXTRACTED 12-20-94 EXTRACTED BY Sim
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED _____ uL FILENAME _____
ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Calc. Factor = Final Extract Vol. (mL) x Dilution Factor x 2 (if GPC'ed) / Samp. Vol.(Weight) (L (kg)) x Dry Weight (if applicable)

SAMPLE CALCULATION

Calculation Factor (b) = _____ x _____ x _____ = _____

DELIVERABLES Tier IV

DATE DUE 12-30 Dual Column

8080 WORKSHEET

PESTICIDE/PCBS

CLIENT Ecology & Environment LAB SAMPLE No. 45227-5
CLIENT SAMPLE ID T4120217 S.R. INIT. DN
DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME 620 ml g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED _____uL FINAL VOLUME _____mL
DATE EXTRACTED 12/20 EXTRACTED BY Sam
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED _____uL FILENAME _____

ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Calc. Factor = Final Extract Vol. (mL) x Dilution Factor x 2 (if GPC'ed) / Samp. Vol.(Weight) (L (kg)) x Dry Weight (if applicable)

SAMPLE CALCULATION

Calculation Factor (b) = _____ x _____ x _____ = _____

DELIVERABLES Tier IV

DATE DUE 12-30 Dual Column

8080 WORKSHEET

PESTICIDE/PCBS

CLIENT Ecology & Environment LAB SAMPLE No. 45227-5MS
CLIENT SAMPLE ID T4120217 S.R. INIT. DN
DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME 890 g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED _____uL FINAL VOLUME _____mL
DATE EXTRACTED 12-20-94 EXTRACTED BY [illegible]
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED _____uL FILENAME _____

ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Calc. Factor = Final Extract Vol. (mL) x Dilution Factor x 2 (if GPC'ed) / Samp. Vol.(Weight) (L (kg)) x Dry Weight (if applicable)

SAMPLE CALCULATION

Calculation Factor (b) = _____ x _____ x _____ = _____

DELIVERABLES Tier IV

DATE DUE 12-30 Dual Column

8080 WORKSHEET

PESTICIDE/PCBS

CLIENT Ecology & Environment LAB SAMPLE No. 45227-5MS

CLIENT SAMPLE ID T4120217 S.R. INIT. DN

DATE SAMPLED 12-13-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME 940 g / mL

DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____

MATRIX _____ SURR. ADDED _____ uL FINAL VOLUME _____ mL

DATE EXTRACTED 12-20-94 EXTRACTED BY Sam

GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED _____ uL FILENAME _____

ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Calc. Factor = Final Extract Vol. (mL) x Dilution Factor x 2 (if GPC'ed) / Samp. Vol.(Weight) (L (kg)) x Dry Weight (if applicable)

SAMPLE CALCULATION

Calculation Factor (b) = _____ x _____ x _____ = _____

DELIVERABLES Tier IV

DATE DUE 12-30

Dual Column

8080 WORKSHEET

PESTICIDE/PCBS

(sed)

K9/5

CLIENT	Ecology & Environment	LAB SAMPLE No.	45227-7
CLIENT SAMPLE ID	T4120201	S.R. INIT.	DN
DATE SAMPLED	12-12-94	DATE RECEIVED	12-16-94

SAMPLE WEIGHT/VOLUME 10.4559 g / mL

DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____

MATRIX _____ SURR. ADDED _____ uL FINAL VOLUME _____ mL

DATE EXTRACTED _____ EXTRACTED BY _____

GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED _____ uL FILENAME _____

ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Calc. Factor = Final Extract Vol. (mL) x Dilution Factor x 2 (if GPC'ed) / Samp. Vol.(Weight) (L (kg)) x Dry Weight (if applicable)

SAMPLE CALCULATION

Calculation Factor (b) = _____ x _____ x _____ = _____

DELIVERABLES Tier IV

12/22/94

DATE DUE 12-30 Dual Column

8080 WORKSHEET

PESTICIDE/PCBS

CLIENT Ecology & Environment LAB SAMPLE No. 45227-8
CLIENT SAMPLE ID T4120207 S.R. INIT. DN
DATE SAMPLED 12-12-94 DATE RECEIVED 12-16-94

SAMPLE WEIGHT/VOLUME 10.1396 g / mL
DATE WEIGHED _____ WEIGHED BY _____ % SOLIDS _____
MATRIX _____ SURR. ADDED _____uL FINAL VOLUME _____mL
DATE EXTRACTED _____ EXTRACTED BY _____
GPC Y / N BY _____ DATE _____

DILUTION _____ I.S. ADDED _____uL FILENAME _____
ANALYST _____ DATE ANALYZED _____ QA/QC CHECK _____

Calc. Factor = Final Extract Vol. (mL) x Dilution Factor x 2 (if GPC'ed) / Samp. Vol.(Weight) (L (kg)) x Dry Weight (if applicable)

SAMPLE CALCULATION

Calculation Factor (b) = _____ x _____ x _____ = _____

DELIVERABLES Tier IV

MS 10.4155

MSD 10.2988

12/22/94

8080 Extraction Log

QC Batch I.D. : PE126

Analyst: SM Date: 12-20-94 GPC: (Yes / No)

Dichloromethane Lot No.: 212 Acetone Lot No.: _____ Hexane Lot No.: 113

Matrix Spike SAS PEST Std. No.: PEST-039 Amount Used (uL): 100

Surrogate Spike SAS PEST Std. No.: 5142

Sample	Sample Size (g / mL)	Matrix	Surrogate Spike (uL)	Final Vol. (mL)	Comments
45227-1	960	W	100	10	
-2	970	↓	↓	↓	
-3	960				
-4	900				
-5	620				
-5MS	890				
-5MSD	940				
MB PE126	1000				

8080 Extraction Log

QC Batch I.D. : PE 124

Analyst: SJL Date: 12-19-94 GPC: (Yes / No)

Dichloromethane Lot No.: _____ Acetone Lot No.: 203 Hexane Lot No.: 189

Matrix Spike SAS PEST Std. No.: PES~~S~~H4039 Amount Used (uL): 700

Surrogate Spike SAS PEST Std. No.: S142

Sample	Sample Size (g / mL)	Matrix	Surrogate Spike (uL)	Final Vol. (mL)	Comments
45227-7	10.4559	SOIL	100	10	
-8	10.1396	↓	↓	↓	
-8 MS	10.4155				
-8 MSD	10.2988				
MP PE124	10 —				

METALS DATA PACKAGE

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.:45227W

SOW No.: ILM02.1

EPA Sample No.	Lab Sample ID
20210	45227-1
20211	45227-2
20212	45227-3
20217	45227-5
20221	45227-4

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES

If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20210

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Matrix (soil/water): WATER Lab Sample ID: 45227-1

Level (low/med): LOW__ Date Received: 12/23/94

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_		_		NR
7440-36-0	Antimony_	3.0	U		M_
7440-38-2	Arsenic__	2.2	B		M_
7440-39-3	Barium___		_		NR
7440-41-7	Beryllium	3.2	U		P_
7440-43-9	Cadmium__	4.8	U		P_
7440-70-2	Calcium__		_		NR
7440-47-3	Chromium_	7.7	U		P_
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___	15.8	B		P_
7439-89-6	Iron_____		_		NR
7439-92-1	Lead_____	9.7	_		M_
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese		_		NR
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	36.2	U		P_
7440-09-7	Potassium		_		NR
7782-49-2	Selenium_	2.5	U		M_
7440-22-4	Silver___	8.4	U		P_
7440-23-5	Sodium___		_		NR
7440-28-0	Thallium_	1.0	U		M_
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc_____	140	_		P_
0000-00-0	Silicon__		_		NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20211

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Matrix (soil/water): WATER Lab Sample ID: 45227-2

Level (low/med): LOW__ Date Received: 12/23/94

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_	3.0	U		M_
7440-38-2	Arsenic__	1.0	U		M_
7440-39-3	Barium___				NR
7440-41-7	Beryllium	3.2	U		P_
7440-43-9	Cadmium__	4.8	U		P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	7.7	U		P_
7440-48-4	Cobalt___				NR
7440-50-8	Copper___	15.6	B		P_
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	3.2	B		M_
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___	36.2	U		P_
7440-09-7	Potassium				NR
7782-49-2	Selenium_	2.5	U		M_
7440-22-4	Silver___	8.4	U		P_
7440-23-5	Sodium___				NR
7440-28-0	Thallium_	1.0	U		M_
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____	82.0			P_
0000-00-0	Silicon__				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20212

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Matrix (soil/water): WATER Lab Sample ID: 45227-3

Level (low/med): LOW__ Date Received: 12/23/94

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_	3.0	U		M_
7440-38-2	Arsenic__	1.0	U		M_
7440-39-3	Barium___				NR
7440-41-7	Beryllium	3.2	U		P_
7440-43-9	Cadmium__	4.8	U		P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	7.7	U		P_
7440-48-4	Cobalt___				NR
7440-50-8	Copper___	23.2	B		P_
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	16.6			M_
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___	36.2	U		P_
7440-09-7	Potassium				NR
7782-49-2	Selenium_	2.5	U		M_
7440-22-4	Silver___	8.4	U		P_
7440-23-5	Sodium___				NR
7440-28-0	Thallium_	1.0	U		M_
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____	242			P_
0000-00-0	Silicon__				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20221

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Matrix (soil/water): WATER Lab Sample ID: 45227-4

Level (low/med): LOW__ Date Received: 12/23/94

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_	3.0	U		M_
7440-38-2	Arsenic__	1.0	U		M_
7440-39-3	Barium___				NR
7440-41-7	Beryllium	3.2	U		P_
7440-43-9	Cadmium__	4.8	U		P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	7.7	U		P_
7440-48-4	Cobalt___				NR
7440-50-8	Copper___	13.8	B		P_
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	18.9			M_
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___	36.2	U		P_
7440-09-7	Potassium				NR
7782-49-2	Selenium_	2.5	U		M_
7440-22-4	Silver___	8.4	U		P_
7440-23-5	Sodium___				NR
7440-28-0	Thallium_	1.0	U		M_
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____	24.6			P_
0000-00-0	Silicon__				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20217

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Matrix (soil/water): WATER Lab Sample ID: 45227-5

Level (low/med): LOW__ Date Received: 12/23/94

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_	3.0	U		M_
7440-38-2	Arsenic__	1.0	U		M_
7440-39-3	Barium___				NR
7440-41-7	Beryllium	3.2	U		P_
7440-43-9	Cadmium__	6.0			P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	15.6			P_
7440-48-4	Cobalt___				NR
7440-50-8	Copper___	25.0			P_
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	12.0			M_
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___	36.2	U		P_
7440-09-7	Potassium				NR
7782-49-2	Selenium_	2.5	U		M_
7440-22-4	Silver___	8.4	U		P_
7440-23-5	Sodium___				NR
7440-28-0	Thallium_	1.0	U		M_
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____	54.7			P_
0000-00-0	Silicon__				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Initial Calibration Source: ENVIR.RESOUR

Continuing Calibration Source: LEEMAN LABS_

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony	11.2	11.58	103.4	50.0	49.26	98.5	48.47	96.9	M
Arsenic	11.0	11.04	100.4	50.0	48.01	96.0	47.62	95.2	M
Barium									NR
Beryllium	1000.0	984.70	98.5	500.0	499.50	99.9	491.80	98.4	P
Cadmium	1000.0	987.80	98.8	500.0	474.90	95.0	475.00	95.0	P
Calcium									NR
Chromium	1000.0	994.60	99.5	500.0	515.90	103.2	520.50	104.1	P
Cobalt									NR
Copper	1000.0	980.60	98.1	500.0	505.80	101.2	500.30	100.1	P
Iron									NR
Lead	10.1	10.35	102.5	50.0	47.27	94.5	48.35	96.7	M
Magnesium									NR
Manganese									NR
Mercury	4.0	4.45	111.2	5.0	5.65	113.0	5.53	110.6	AV
Nickel	1000.0	975.20	97.5	500.0	516.80	103.4	504.50	100.9	P
Potassium									NR
Selenium	97.8	102.26	104.6	50.0	50.26	100.5	50.56	101.1	M
Silver	1000.0	957.30	95.7	500.0	531.90	106.4	532.90	106.6	P
Sodium									NR
Thallium	9.8	9.66	98.6	50.0	46.48	93.0	46.85	93.7	M
Vanadium									NR
Zinc	1000.0	965.80	96.6	500.0	513.80	102.8	511.20	102.2	P
Silicon									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Initial Calibration Source: ENVIR.RESOUR

Continuing Calibration Source: LEEMAN LABS_

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony				50.0	48.61	97.2			M
Arsenic				50.0	46.45	92.9			M
Barium									NR
Beryllium				500.0	501.80	100.4			P
Cadmium				500.0	496.00	99.2			P
Calcium									NR
Chromium				500.0	520.80	104.2			P
Cobalt									NR
Copper				500.0	511.20	102.2			P
Iron									NR
Lead				50.0	48.77	97.5			M
Magnesium									NR
Manganese									NR
Mercury				5.0	5.53	110.6	5.55	111.0	AV
Nickel				500.0	502.00	100.4			P
Potassium									NR
Selenium				50.0	49.72	99.4			M
Silver				500.0	532.40	106.5			P
Sodium									NR
Thallium				50.0	48.18	96.4			M
Vanadium									NR
Zinc				500.0	519.20	103.8			P
Silicon									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Initial Calibration Source: ENVIR.RESOUR

Continuing Calibration Source: LEEMAN LABS_

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury				5.0	5.38	107.6			AV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Silicon									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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3
BLANKS

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	M
Arsenic	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	M
Barium											NR
Beryllium	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P
Cadmium	4.8	U	4.8	U	4.8	U	6.6		4.800	U	P
Calcium											NR
Chromium	7.7	U	7.7	U	7.7	U	7.7	U	7.700	U	P
Cobalt											NR
Copper	8.2	U	8.2	U	8.2	U	8.2	U	8.200	U	P
Iron											NR
Lead	0.5	U	0.5	U	0.5	U	0.5	U	0.500	U	M
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	AV
Nickel	36.2	U	36.2	U	36.2	U	36.2	U	36.200	U	P
Potassium											NR
Selenium	2.5	U	2.5	U	2.5	U	2.5	U	2.500	U	M
Silver	8.4	U	8.4	U	8.4	U	8.4	U	8.400	U	P
Sodium											NR
Thallium	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	M
Vanadium											NR
Zinc	14.3	U	14.3	U	14.3	U	14.3	U	14.300	U	P
Silicon											NR

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3
BLANKS

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U					AV
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Silicon											NR

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No: 45227W SDG No.: 45227W

ICP ID Number: PS3000_____ ICS Source: PLASMA CHEM_

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium	5	500	0	437.0	87.4	-1	425.4	85.1
Cadmium	18	1000	-2	849.2	84.9	-6	809.3	80.9
Calcium								
Chromium	10	500	-5	433.8	86.8	-7	428.1	85.6
Cobalt								
Copper	2	500	-8	446.2	89.2	-10	427.3	85.5
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel	40	1000	27	883.3	88.3	26	868.9	86.9
Potassium								
Selenium								
Silver	10	1000	3	946.3	94.6	4	998.7	99.9
Sodium								
Thallium								
Vanadium								
Zinc	4	1000	-2	889.8	89.0	-1	881.7	88.2

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4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No: 45227W SDG No.: 45227W

ICP ID Number: ELAN 5000___ ICS Source: PLASMA CHEM_

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum								
Antimony								
Arsenic	10	100	0	98.2	98.2	0	94.2	94.2
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	3		0			0		
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium	3	100	0	101.0	101.0	0	99.3	99.3
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

20217

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Matrix (soil/water): WATER_ Level (low/med): LOW___

% Solids for Sample: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	736.2200	B	3.0000	U	1000.00	73.6		M
Arsenic	75-125	2937.7000		1.0000	U	4000.00	73.4		M
Barium									NR
Beryllium	75-125	81.8000		3.2000	U	100.00	81.8		P
Cadmium	75-125	81.6000		6.0000		100.00	75.6		P
Calcium									NR
Chromium	75-125	363.0000		15.6000		400.00	86.8		P
Cobalt									NR
Copper	75-125	441.9000		25.0000		500.00	83.4		P
Iron									NR
Lead	75-125	848.2200		12.0160		1000.00	83.6		M
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	75-125	839.4000		36.2000	U	1000.00	83.9		P
Potassium									NR
Selenium	75-125	3318.4400		2.5000	U	4000.00	83.0		M
Silver									NR
Sodium									NR
Thallium	75-125	3161.6200		1.0000	U	4000.00	79.0		M
Vanadium									NR
Zinc	75-125	877.1000		54.7000		1000.00	82.2		P
Silicon									NR

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

20217

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Matrix (soil/water): WATER_ Level (low/med): LOW___

% Solids for Sample: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	759.1400	B	3.0000	U	1000.00	75.9		M
Arsenic	75-125	3012.6600		1.0000	U	4000.00	75.3		M
Barium									NR
Beryllium	75-125	81.2000		3.2000	U	100.00	81.2		P
Cadmium	75-125	88.6000		6.0000		100.00	82.6		P
Calcium									NR
Chromium	75-125	360.5000		15.6000		400.00	86.2		P
Cobalt									NR
Copper	75-125	440.5000		25.0000		500.00	83.1		P
Iron									NR
Lead	75-125	874.1600		12.0160		1000.00	86.2		M
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	75-125	831.7000		36.2000	U	1000.00	83.2		P
Potassium									NR
Selenium	75-125	3404.0600		2.5000	U	4000.00	85.1		M
Silver									NR
Sodium									NR
Thallium	75-125	3283.7600		1.0000	U	4000.00	82.1		M
Vanadium									NR
Zinc	75-125	874.1000		54.7000		1000.00	81.9		P
Silicon									NR

Comments:

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

20217

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Matrix (soil/water) : WATER_ Level (low/med): LOW___

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Aluminum									NR
Antimony		24.99	B	3.00	U	20.0	124.9		M
Arsenic		17.67		1.00	U	20.0	88.3		M
Barium									NR
Beryllium		66.50		3.20	U	75.0	88.7		P
Cadmium		73.20		6.00		75.0	89.6		P
Calcium									NR
Chromium		307.30		15.60		300.0	97.2		P
Cobalt									NR
Copper		662.60		25.00		500.0	127.5		P
Iron									NR
Lead		30.92		12.02		20.0	94.5		M
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel		749.70		36.20	U	750.0	100.0		P
Potassium									NR
Selenium		171.15		2.50	U	200.0	85.6		M
Silver									NR
Sodium									NR
Thallium		18.26		1.00	U	20.0	91.3		M
Vanadium									NR
Zinc		802.60		54.70		750.0	99.7		P
Silicon									NR

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

20217

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Matrix (soil/water): WATER Level (low/med): _LOW__

% Solids for Sample: __0.0 % Solids for Duplicate: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		3.0000	U	3.0000	U			M
Arsenic		1.0000	U	1.0000	U			M
Barium								NR
Beryllium		3.2000	U	3.2000	U			P
Cadmium	5.0	6.0000		7.1000		16.8		P
Calcium								NR
Chromium	10.0	15.6000		14.5000		7.3		P
Cobalt								NR
Copper	25.0	25.0000		23.2000	B	7.5		P
Iron								NR
Lead	5.0	12.0160		11.8680		1.2		M
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel		36.2000	U	36.2000	U			P
Potassium								NR
Selenium		2.5000	U	2.5000	U			M
Silver		8.4000	U	8.4000	U			P
Sodium								NR
Thallium		1.0000	U	1.0000	U			M
Vanadium								NR
Zinc	20.0	54.7000		53.0000		3.2		P
Silicon								NR

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LABORATORY CONTROL SAMPLE

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Solid LCS Source: _____

Aqueous LCS Source: ENVIR. RESOU

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium	1000.0	957.00	95.7						
Cadmium	1000.0	929.80	93.0						
Calcium									
Chromium	1000.0	1019.00	101.9						
Cobalt									
Copper	1000.0	955.40	95.5						
Iron									
Lead									
Magnesium									
Manganese									
Mercury	2.0	2.10	104.8						
Nickel	1000.0	968.40	96.8						
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc	1000.0	968.20	96.8						
Silicon									

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LABORATORY CONTROL SAMPLE

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Solid LCS Source: _____

Aqueous LCS Source: E.R.A._____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony	11.2	11.90	106.3						
Arsenic	11.0	11.23	102.1						
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	10.1	9.61	95.2						
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium	97.8	104.46	106.8						
Silver									
Sodium									
Thallium	9.8	9.02	92.1						
Vanadium									
Zinc									
Silicon									

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9
ICP SERIAL DILUTION

EPA SAMPLE NO.

20217

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

Matrix (soil/water): WATER Level (low/med): LOW__

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony	3.00	U	15.00	U			P
Arsenic	1.00	U	5.00	U			P
Barium							NR
Beryllium	3.20	U	16.00	U			P
Cadmium	6.00		24.00	U	100.0		P
Calcium							NR
Chromium	15.60		38.50	U	100.0		P
Cobalt							NR
Copper	25.00		41.00	U	100.0		P
Iron							NR
Lead	12.02		12.48	B	3.8		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel	36.20	U	181.00	U			P
Potassium							NR
Selenium	2.50	U	12.50	U			P
Silver	8.40	U	42.00	U			P
Sodium							NR
Thallium	1.00	U	5.00	U			P
Vanadium							NR
Zinc	54.70		90.50	B	65.4		P

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10
Instrument Detection Limits (Quarterly)

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

ICP ID Number: PS3000_____ Date: 09/15/94

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			5		NR
Barium			200		NR
Beryllium	313.04		5	3.2	P
Cadmium	226.50		5	4.8	P
Calcium			5000		NR
Chromium	267.72		10	7.7	P
Cobalt			50		NR
Copper	324.75		25	8.2	P
Iron			100		NR
Lead			5		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel	231.60		40	36.2	P
Potassium			5000		NR
Selenium			5		NR
Silver	328.07		10	8.4	P
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc	231.86		20	14.3	P

Comments:

U.S. EPA - CLP

10
Instrument Detection Limits (Quarterly)

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

ICP ID Number: _____ Date: 09/15/94

Flame AA ID Number : PS200_____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			5		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			5		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	253.65		0.2	0.1	AV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

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10
Instrument Detection Limits (Quarterly)

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

ICP ID Number: ELAN_5000___ Date: 09/15/94

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60	3.0	P
Arsenic			5	1.0	P
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			5	0.5	P
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium			5	2.5	P
Silver			10		NR
Sodium			5000		NR
Thallium			10	1.0	P
Vanadium			50		NR
Zinc			20		NR

Comments:

U.S. EPA - CLP

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

ICP ID Number: PS3000_____ Date: 01/15/94

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	___
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	
Arsenic	193.70	0.0000000	0.0000000	0.0000000	0.0000000	
Barium	455.50	0.0000000	0.0000000	0.0000000	0.0000000	
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	
Cobalt	228.52	0.0000000	0.0000000	0.0000000	0.0000000	
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	
Magnesium	279.55	0.0000000	0.0000000	0.0000000	0.0000000	
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	
Selenium	196.03	0.0000000	0.0000000	0.0000000	0.0000000	
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	
Thallium	190.80	0.0000000	0.0000000	0.0000000	0.0000000	
Vanadium	310.23	0.0000000	0.0000000	0.0000000	0.0000000	
Zinc	231.86	0.0000000	0.0000000	0.0000000	0.0000000	

Comments:

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12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.: 45227W

ICP ID Number: PS3000_____ Date: 09/15/94

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Aluminum	5.00	150000.0	P
Antimony	5.00	100000.0	P
Arsenic	5.00	250000.0	P
Barium	5.00	100000.0	P
Beryllium	5.00	100000.0	P
Cadmium	5.00	100000.0	P
Calcium	5.00	750000.0	P
Chromium	5.00	750000.0	P
Cobalt	5.00	100000.0	P
Copper	5.00	750000.0	P
Iron	5.00	500000.0	P
Lead	5.00	500000.0	P
Magnesium	5.00	750000.0	P
Manganese	5.00	500000.0	P
Mercury			NR
Nickel	5.00	750000.0	P
Potassium	5.00	500000.0	P
Selenium	5.00	100000.0	P
Silver	5.00	250000.0	P
Sodium	5.00	100000.0	P
Thallium	5.00	100000.0	P
Vanadium	5.00	100000.0	P
Zinc	5.00	750000.0	P

Comments:

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PREPARATION LOG

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.:_____ SAS No.: 45227W SDG No.:45227W

Method: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
20210	12/23/94		50
20211	12/23/94		50
20212	12/23/94		50
20217	12/23/94		50
20217	12/23/94		50
20217	12/23/94		50
20217	12/23/94		50
20221	12/23/94		50
LCSW	12/23/94	50.00	50
LCSW	12/23/94	50.00	50
WATER P	12/23/94		50
WATER P	12/23/94		50

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PREPARATION LOG

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.:_____ SAS No.: 45227W SDG No.:45227W

Method: AV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
20210	12/23/94		100
20211	12/23/94		100
20212	12/23/94		100
20217	12/23/94		100
20217	12/23/94		100
20217	12/23/94		100
20217	12/23/94		100
20221	12/23/94		100
LCSW	12/23/94	100.0	100
LCSW	12/23/94	100.0	100
WATER P	12/23/94		100
WATER P	12/23/94		100

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ANALYSIS RUN LOG

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.:45227W

Instrument ID Number: PS3000_____ Method: P_

Start Date: 12/28/94 End Date: 12/29/94

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SI
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ICV	1.00	0858		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
ICV	1.00	0902		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	-	-	-	-	X	-
ICB	1.00	0950		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
ICSA	1.00	0958		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
ICSAB	1.00	1001		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
CCB	1.00	1735		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
CCV	1.00	1738		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
WATER PR	1.00	1741		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
ZZZZZZ	5.00	1744		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1747		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1750		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1753		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1756		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1759		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1802		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1805		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20210	1.00	1808		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
20211	1.00	1811		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
20212	1.00	1814		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
20221	1.00	1817		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
LCSW	1.00	1820		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	-	-	-	-	X	-
ZZZZZZ	1.00	1823		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB	1.00	1826		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
CCV	1.00	1829		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
20217	5.00	1835		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
20217	1.00	1838		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
20217	1.00	1841		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
20217	1.00	1844		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	-	-	-	-	X	-
20217	1.00	1847		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	-	-	-	-	X	-
20217	1.00	1850		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
ZZZZZZ	1.00	1853		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB	1.00	1857		-	-	-	-	X	X	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.:45227W

Instrument ID Number: PS3000_____ Method: P_

Start Date: 12/28/94 End Date: 12/29/94

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SI
CCV	1.00	1900						X	X		X		X						X			X				X	
ICSA	1.00	0001						X	X		X		X						X			X				X	
ICSAB	1.00	0004						X	X		X		X						X			X				X	

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.:45227W

Instrument ID Number: PS200_____ Method: AV

Start Date: 12/28/94 End Date: 12/28/94

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SI
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ICV	1.00	0714		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ICB	1.00	0717		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCV	1.00	0719		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	0723		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	0725		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1215		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	1219		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1221		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1223		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1225		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1227		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1230		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1243		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	1246		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCV	1.00	1312		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCB	1.00	1316		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
WATER PR	1.00	1330		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1332		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LCSW	1.00	1335		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
20210	1.00	1338		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1340		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB	1.00	1342		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
CCV	1.00	1344		-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FORM XIV - IN ILM02.1

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227W SDG No.:45227W

Instrument ID Number: ELAN 5000____ Method: M_

Start Date: 12/28/94 End Date: 12/28/94

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SI
ZZZZZZ	1.00	0856																									
10ALL	1.00	0902			X	X									X						X			X			
25ALL	1.00	0908			X	X									X						X			X			
50ALL	1.00	0914			X	X									X						X			X			
100ALL	1.00	0921			X	X									X						X			X			
200ALL	1.00	0927			X	X									X						X			X			
ICV	1.00	0939			X	X									X						X			X			
ICB	1.00	0945			X	X									X						X			X			
ICSA	1.00	0951			X	X									X						X			X			
ICSAB	1.00	0958			X	X									X						X			X			
CCV	1.00	1613			X	X									X						X			X			
CCB	1.00	1617			X	X									X						X			X			
WATER PR	1.00	1621			X	X									X						X			X			
20210	1.00	1626			X	X									X						X			X			
20211	1.00	1630			X	X									X						X			X			
20212	1.00	1634			X	X									X						X			X			
20221	1.00	1638			X	X									X						X			X			
LCSW	1.00	1642			X	X									X						X			X			
CCV	1.00	1646			X	X									X						X			X			
CCB	1.00	1651			X	X									X						X			X			
ZZZZZZ	1.00	1655																									
20217	5.00	1706			X	X									X						X			X			
20217	1.00	1710			X	X									X						X			X			
20217	1.00	1714			X	X									X						X			X			
20217	20.00	1718			X	X									X						X			X			
20217	20.00	1723			X	X									X						X			X			
20217	1.00	1727			X	X									X						X			X			
CCV	1.00	1731			X	X									X						X			X			
CCB	1.00	1735			X	X									X						X			X			
ICSA	1.00	2141			X	X									X						X			X			
ICSAB	1.00	2145			X	X									X						X			X			

```
Protocol: SIMEPA                                                    Power: 1.0 KW
Mode: Simultaneous Rev: 3.001   Time: 08:42:15  28 Dec 1994   Coolant:  11 LPM
Folder: #122794    Seq: 217     Plasma: On     Print: On      Neb:      46 PSI
User:              Batch:            Id: Ck1        Cup: 2 06 Auxil:       LPM
State: Idle        Macro CLPUP       8: F3 Print    Xmit: Off Autosampler: On
```

CALIBRATION: Accepted Values

	Current	Accepted	Type	A	B	C	r
As2	Yes	08:42 28-Dec-94	L		1.59471e-4	-1.90420e-1	.999931
Ba1	Yes	08:42 28-Dec-94	L		4.29281e-7	-8.49888e-3	.999952
Cd3	Yes	08:42 28-Dec-94	L		2.65740e-5	-2.36438e-3	.999873
Cr4	Yes	08:42 28-Dec-94	L		3.87467e-7	-1.09571e-2	.999881
Pb1	Yes	08:42 28-Dec-94	L		3.21902e-5	-2.08479e-1	.999971
Hg9	Yes	08:42 28-Dec-94	L		1.27862e-4	-1.870001	.881512
Se4	Yes	08:42 28-Dec-94	L		5.93169e-4	-1.72632e-1	.999934
Ag1	Yes	08:42 28-Dec-94	L		1.08335e-6	-2.68863e-3	.999922
Cu1	Yes	08:42 28-Dec-94	L		5.90105e-7	-1.60925e-2	.999933
Ni3	Yes	08:42 28-Dec-94	L		6.04634e-6	-5.25994e-2	.999875
Zn1	Yes	08:42 28-Dec-94	L		3.19226e-6	-2.25785e-2	.999903
Be1	Yes	08:42 28-Dec-94	L		1.58848e-7	-1.00668e-2	.999930
Sb1	Yes	08:42 28-Dec-94	L		2.09418e-4	-1.12798e-2	.999915
Tl1	Yes	08:42 28-Dec-94	L		3.46120e-4	5.61516e-2	.999960
Al3	Yes	08:42 28-Dec-94	L		3.71911e-6	-1.28708e-1	.999961

PgDn

Update coefficients

```
Protocol: SIMEPA                                                    Power: 1.0 KW
Mode: Simultaneous Rev: 3.001   Time: 08:42:17  28 Dec 1994   Coolant:  11 LPM
Folder: #122794    Seq: 217     Plasma: On     Print: On      Neb:      46 PSI
User:              Batch:            Id: Ck1        Cup: 2 06 Auxil:       LPM
State: Idle        Macro CLPUP      10: F3 Print    Xmit: Off Autosampler: On
```

CALIBRATION: Accepted Values PgUp

	Current	Accepted	Type	A	B	C	r
Co1	Yes	08:42 28-Dec-94	L		4.29958e-6	-4.84268e-3	.999870
Fe2	Yes	08:42 28-Dec-94	L		6.66230e-7	-6.68754e-3	.999917
Mo1	Yes	08:42 28-Dec-94	L		1.20143e-5	-2.64513e-2	.999975
V 2	Yes	08:42 28-Dec-94	L		6.28212e-7	-1.92414e-1	.999880
Na2	Yes	08:42 28-Dec-94	L		1.84751e-5	2.77402e-1	.999981
Ca3	Yes	08:42 28-Dec-94	L		3.52342e-5	-1.40212e-1	.999965
K 1	Yes	08:42 28-Dec-94	L		1.28051e-4	-1.88495e-1	.999938
Mg4	Yes	08:42 28-Dec-94	L		1.32815e-5	-1.01819e-1	.999972
Mn1	Yes	08:42 28-Dec-94	L		2.82948e-7	-1.06015e-1	.999922
Si2	Yes	08:42 28-Dec-94	L		4.85105e-6	-9.47174e-2	.999937
Y 3	Yes	08:42 28-Dec-94	L		4.62122e-7	-9.51279e-2	.999962

Update coefficients

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 5 Ck5 Seq: 222 08:58:57 28 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Ag1		95.73	.9573	1.000	PPM	.0104
Tl1		93.94	.9394	1.000	PPM	.0684

*** Check Standard: 4 Ck4 Seq: 223 09:02:03 28 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
As2		100.5	1.005	1.000	PPM	.0283
Ba1		100.3	1.003	1.000	PPM	.0120
Cd3		98.78	.9878	1.000	PPM	.0030
Cr4		99.46	.9946	1.000	PPM	.0073
Pb1		97.93	.9793	1.000	PPM	.0270
Se4		97.32	9.732	10.00	PPM	.2197
Cu1		98.06	.9806	1.000	PPM	.0138
Ni3		97.52	.9752	1.000	PPM	.0191
Zn1		96.58	.9658	1.000	PPM	.0057
Be1		98.47	.9847	1.000	PPM	.0085
Sb1		100.1	1.001	1.000	PPM	.1119
Al3		107.4	10.74	10.00	PPM	.1302
Co1		99.24	.9924	1.000	PPM	.0102
Fe2		98.41	9.841	10.00	PPM	.0720
Mo1		104.5	1.045	1.000	PPM	.0106
V 2		95.47	.9547	1.000	PPM	.0101
Na2		98.92	9.892	10.00	PPM	.1271
Ca3		97.60	9.760	10.00	PPM	.0296
Mg4		99.91	9.991	10.00	PPM	.0631
Mn1		97.91	.9791	1.000	PPM	.0062

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1 Seq: 234 09:50:44 28 Dec 1994 ICP

Line	Flag	Found	Range(+/-)	Units	SD/RSD
As2		-.0135	.1500	PPM	.0396
Ba1		.0002	.1500	PPM	.0001
Cd3		-.0028	.1500	PPM	.0054
Cr4		.0000	.1500	PPM	.0005
Pb1		-.0162	.1500	PPM	.0229
Hg9		-1.277	10.00	PPM	.0979
Se4		.0539	.1500	PPM	.0669
Ag1		.0060	.1500	PPM	.0005
Cu1		.0009	.1500	PPM	.0006
Ni3		-.0015	.1500	PPM	.0077
Zn1		-.0002	.1500	PPM	.0017
Be1		.0001	.1500	PPM	.0000
Sb1		-.0454	.1500	PPM	.1154
Tl1		.1202	.5000	PPM	.1394
Al3		.0544	.5000	PPM	.0195
Co1		-.0009	.5000	PPM	.0007
Fe2		.0246	.5000	PPM	.0025
Mo1		.0075	.5000	PPM	.0110
V 2		.0034	.5000	PPM	.0017
Na2		.0178	.5000	PPM	.0515
Ca3		.0527	.5000	PPM	.0059
K 1		.0929	.5000	PPM	.1140
Mg4		.0601	.5000	PPM	.0081
Mn1		-.0001	.5000	PPM	.0002
Si2		-.0200	.5000	PPM	.0075
Y 3		.0002	.5000	PPM	.0006

*** Peak Seq: 235 09:56:42 28 Dec 1994

XAp = 235 YAp = 130 Intensity = 1529533

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6 Seq: 236 09:58:34 28 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Ba1		5.220	.0026	.0500	PPM	.0001
Cd3	L	-25.27	-.0023	.0090	PPM	.0068
Cr4	L	-114.9	-.0046	.0040	PPM	.0002
Pb1	L	-14.01	-.0084	.0600	PPM	.0383
Se4		32.65	.0196	.0600	PPM	.4655
Ag1		48.20	.0029	.0060	PPM	.0017
Cu1	L	-381.4	-.0076	.0020	PPM	.0009
Ni3		27.06	.0271	.1000	PPM	.0018
Zn1	L	-240.7	-.0024	.0010	PPM	.0015
Be1	L	-172.8	-.0003	.0002	PPM	.0000
Sb1		99.73	.0997	.1000	PPM	.1329
Tl1		63.72	.0637	.1000	PPM	.2773
Al3		104.2	521.0	500.0	PPM	2.176
Co1		90.47	.0045	.0050	PPM	.0065
Fe2		86.05	172.1	200.0	PPM	.4539
V 2		16.05	.0161	.1000	PPM	.0003
Ca3		86.61	433.0	500.0	PPM	.6072
Mg4		100.3	501.7	500.0	PPM	1.011
Mn1		10.30	.0051	.0500	PPM	.0003

*** Check Standard: 7 Ck7 Seq: 237 10:01:41 28 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Ba1		93.81	.4691	.5000	PPM	.0030
Cd3		84.92	.8492	1.000	PPM	.0120
Cr4		86.77	.4338	.5000	PPM	.0009
Pb1		89.03	.8903	1.000	PPM	.0165
Ag1		94.63	.9463	1.000	PPM	.0192
Cu1		89.24	.4462	.5000	PPM	.0057
Ni3		88.33	.8833	1.000	PPM	.0028
Zn1		88.98	.8898	1.000	PPM	.0022
Be1		87.40	.4370	.5000	PPM	.0018
Al3		104.4	521.8	500.0	PPM	3.327
Co1		86.86	.4343	.5000	PPM	.0031
Fe2		85.62	171.2	200.0	PPM	.4412
V 2		90.93	.4546	.5000	PPM	.0035
Ca3		86.34	431.7	500.0	PPM	.5278
Mg4		99.83	499.2	500.0	PPM	1.004
Mn1		89.97	.4498	.5000	PPM	.0006

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1 Seq: 307 17:35:03 28 Dec 1994 ICP

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Be1		.0002	.1500	PPM	.0000
Cd3		-.0040	.1500	PPM	.0053
Cr4		.0005	.1500	PPM	.0009
Cu1		.0010	.1500	PPM	.0006
Ni3		.0006	.1500	PPM	.0082
Ag1		.0062	.1500	PPM	.0033
Zn1		.0050	.1500	PPM	.0021

*** Check Standard: 2 Ck2 Seq: 308 17:38:08 28 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Be1		99.89	.4995	.5000	PPM	.0038
Cd3		94.99	.4749	.5000	PPM	.0076
Cr4		103.2	.5159	.5000	PPM	.0030
Cu1		101.2	.5058	.5000	PPM	.0045
Ni3		103.4	.5168	.5000	PPM	.0088
Ag1		106.4	.5318	.5000	PPM	.0039
Zn1		102.8	.5138	.5000	PPM	.0029

*** Sample ID: METHOD BLK Seq: 309 17:41:12 28 Dec 1994 ICP

Be1	-.0000	PPM	.0000	.0000	-.0001	-.0000
Cd3	.0020	PPM	.0096	.0095	-.0088	.0055
Cr4	.0008	PPM	.0007	.0014	.0000	.0010
Cu1	.0001	PPM	.0008	.0009	-.0007	.0002
Ni3	-.0004	PPM	.0089	.0099	-.0064	-.0047
Ag1	.0019	PPM	.0025	.0031	.0035	-.0010
Zn1	.0079	PPM	.0009	.0088	.0078	.0070

*** Sample ID: 45233-1 Seq: 310 17:44:15 28 Dec 1994 ICP

DIL 1/5

Be1	-.0001	PPM	.0001	-.0001	-.0002	-.0000
Cd3	-.0004	PPM	.0051	-.0052	.0051	-.0011
Cr4	.0001	PPM	.0011	.0008	-.0011	.0007
Cu1	.0022	PPM	.0005	.0027	.0023	.0017
Ni3	-.0039	PPM	.0035	-.0032	-.0076	-.0007
Ag1	.0012	PPM	.0025	.0041	.0001	-.0005
Zn1	.0144	PPM	.0013	.0159	.0138	.0136

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 45233-1				Seq: 311	17:47:18 28 Dec 1994 ICP			
Be1	-.0002	PPM	.0000	-.0002	-.0001	-.0002		
Cd3	-.0024	PPM	.0046	-.0077	.0007	-.0003		
Cr4	.0015	PPM	.0010	.0004	.0020	.0021		
Cu1	.0150	PPM	.0013	.0166	.0140	.0146		
Ni3	-.0000	PPM	.0045	.0034	-.0051	.0016		
Ag1	.0016	PPM	.0023	.0023	-.0009	.0035		
Zn1	.0520	PPM	.0018	.0519	.0537	.0502		
*** Sample ID: 45233-1D				Seq: 312	17:50:21 28 Dec 1994 ICP			
Be1	-.0001	PPM	.0000	-.0002	-.0001	-.0001		
Cd3	.0110	PPM	.0109	.0213	.0122	-.0004		
Cr4	.0011	PPM	.0020	-.0007	.0007	.0033		
Cu1	.0137	PPM	.0017	.0156	.0133	.0123		
Ni3	.0031	PPM	.0078	.0109	.0033	-.0048		
Ag1	.0013	PPM	.0017	.0033	.0004	.0001		
Zn1	.0510	PPM	.0009	.0508	.0519	.0502		
*** Sample ID: 45233-1S				Seq: 313	17:53:24 28 Dec 1994 ICP			
Be1	.0819	PPM	.0004	.0820	.0823	.0815		
Cd3	.0807	PPM	.0061	.0809	.0868	.0745		
Cr4	.3404	PPM	.0013	.3405	.3417	.3391		
Cu1	.4376	PPM	.0045	.4369	.4424	.4336		
Ni3	.8331	PPM	.0130	.8477	.8293	.8224		
Ag1	.0861	PPM	.0014	.0874	.0863	.0847		
Zn1	.8660	PPM	.0053	.8708	.8669	.8604		
*** Sample ID: 45233-1SD				Seq: 314	17:56:27 28 Dec 1994 ICP			
Be1	.0813	PPM	.0003	.0811	.0811	.0816		
Cd3	.0793	PPM	.0028	.0825	.0777	.0777		
Cr4	.3421	PPM	.0017	.3403	.3422	.3437		
Cu1	.4334	PPM	.0032	.4339	.4301	.4363		
Ni3	.8304	PPM	.0169	.8147	.8282	.8483		
Ag1	.0865	PPM	.0015	.0871	.0848	.0875		
Zn1	.8706	PPM	.0060	.8636	.8745	.8737		

*** Sample ID: 45233-1PS Seq: 315 17:59:30 28 Dec 1994 ICP

Line	Conc.	Units	SD/RSD	1	2	3	4	5
Be1	.0603	PPM	.0003	.0599	.0605	.0604		
Cd3	.0528	PPM	.0099	.0481	.0460	.0641		
Cr4	.2594	PPM	.0016	.2577	.2598	.2608		
Cu1	.7534	PPM	.0054	.7472	.7567	.7564		
Ni3	.6545	PPM	.0051	.6563	.6585	.6487		
Ag1	.0063	PPM	.0012	.0074	.0065	.0051		
Zn1	.7108	PPM	.0059	.7040	.7137	.7148		

*** Sample ID: 45233-2 Seq: 316 18:02:32 28 Dec 1994 ICP

Line	Conc.	Units	SD/RSD	1	2	3	4	5
Be1	.0000	PPM	.0000	.0000	.0000	.0001		
Cd3	-.0064	PPM	.0067	-.0012	-.0140	-.0041		
Cr4	.0018	PPM	.0004	.0023	.0014	.0018		
Cu1	.0276	PPM	.0003	.0275	.0279	.0273		
Ni3	.0084	PPM	.0035	.0099	.0044	.0109		
Ag1	.0007	PPM	.0013	.0016	-.0008	.0013		
Zn1	.0602	PPM	.0024	.0625	.0605	.0576		

*** Sample ID: METHOD BLK Seq: 317 18:05:32 28 Dec 1994 ICP

Line	Conc.	Units	SD/RSD	1	2	3	4	5
Be1	-.0001	PPM	.0001	-.0000	-.0001	-.0000		
Cd3	-.0015	PPM	.0018	-.0010	-.0035	-.0001		
Cr4	-.0005	PPM	.0003	-.0008	-.0002	-.0005		
Cu1	.0008	PPM	.0003	.0005	.0011	.0007		
Ni3	-.0042	PPM	.0064	-.0037	-.0109	.0018		
Ag1	.0005	PPM	.0011	.0009	-.0007	.0013		
Zn1	.0084	PPM	.0010	.0095	.0075	.0081		

*** Sample ID: 45227-1 Seq: 318 18:08:33 28 Dec 1994 ICP

Line	Conc.	Units	SD/RSD	1	2	3	4	5
Be1	-.0001	PPM	.0001	-.0002	-.0001	-.0001		
Cd3	-.0013	PPM	.0066	.0050	-.0006	-.0083		
Cr4	.0004	PPM	.0010	-.0001	.0016	-.0003		
Cu1	.0158	PPM	.0009	.0149	.0164	.0153		
Ni3	-.0007	PPM	.0071	-.0088	.0038	.0030		
Ag1	.0017	PPM	.0006	.0017	.0024	.0012		
Zn1	.1399	PPM	.0005	.1398	.1393	.1404		

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 45227-2				Seq: 319	18:11:34 28 Dec 1994 ICP			
Be1	-.0001	PPM	.0000	-.0002	-.0001	-.0001		
Cd3	.0006	PPM	.0047	.0059	-.0009	-.0031		
Cr4	.0005	PPM	.0023	.0029	.0002	-.0016		
Cu1	.0156	PPM	.0012	.0157	.0144	.0168		
Ni3	-.0034	PPM	.0042	-.0072	.0011	-.0040		
Ag1	.0013	PPM	.0023	.0039	.0004	-.0004		
Zn1	.0820	PPM	.0009	.0827	.0822	.0810		
*** Sample ID: 45227-3				Seq: 320	18:14:35 28 Dec 1994 ICP			
Be1	-.0001	PPM	.0001	-.0002	-.0001	-.0002		
Cd3	.0031	PPM	.0052	-.0014	.0020	.0088		
Cr4	-.0003	PPM	.0001	-.0004	-.0005	-.0002		
Cu1	.0232	PPM	.0005	.0230	.0237	.0228		
Ni3	-.0052	PPM	.0041	-.0098	-.0035	-.0022		
Ag1	-.0011	PPM	.0017	.0006	-.0027	-.0013		
Zn1	.2420	PPM	.0017	.2437	.2403	.2420		
*** Sample ID: 45227-4				Seq: 321	18:17:36 28 Dec 1994 ICP			
Be1	-.0001	PPM	.0001	-.0001	-.0002	-.0001		
Cd3	-.0006	PPM	.0061	.0010	-.0074	.0045		
Cr4	.0006	PPM	.0003	.0008	.0003	.0009		
Cu1	.0138	PPM	.0012	.0131	.0130	.0151		
Ni3	.0048	PPM	.0018	.0068	.0041	.0034		
Ag1	.0031	PPM	.0024	.0005	.0054	.0033		
Zn1	.0246	PPM	.0017	.0229	.0262	.0247		
*** Sample ID: WATER-ERA				Seq: 322	18:20:37 28 Dec 1994 ICP			
Be1	.9570	PPM	.0059	.9543	.9638	.9529		
Cd3	.9298	PPM	.0134	.9424	.9156	.9313		
Cr4	1.019	PPM	.0040	1.022	1.021	1.015		
Cu1	.9554	PPM	.0076	.9515	.9642	.9506		
Ni3	.9684	PPM	.0145	.9805	.9724	.9524		
Ag1	.0001	PPM	.0014	-.0010	-.0005	.0017		
Zn1	.9682	PPM	.0034	.9644	.9709	.9692		

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: AGTL Seq: 323 18:23:38 28 Dec 1994 ICP

Be1	.0002	PPM	.0000	.0002	.0002	.0002
Cd3	.0027	PPM	.0014	.0041	.0025	.0013
Cr4	.0002	PPM	.0013	-.0010	.0016	.0002
Cu1	.0006	PPM	.0006	.0002	.0013	.0010
Ni3	.0086	PPM	.0015	.0091	.0098	.0069
Ag1	.9371	PPM	.0093	.9477	.9303	.9334
Zn1	.0083	PPM	.0020	.0092	.0096	.0060

*** Check Standard: 1 Ck1 Seq: 325 18:26:43 28 Dec 1994 ICP

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Be1		.0003	.1500	PPM	.0000
Cd3		.0030	.1500	PPM	.0090
Cr4		.0003	.1500	PPM	.0014
Cu1		-.0003	.1500	PPM	.0003
Ni3		.0063	.1500	PPM	.0060
Ag1		.0072	.1500	PPM	.0023
Zn1		.0052	.1500	PPM	.0003

*** Check Standard: 2 Ck2 Seq: 326 18:29:48 28 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Be1		98.36	.4918	.5000	PPM	.0024
Cd3		95.01	.4750	.5000	PPM	.0085
Cr4		104.1	.5205	.5000	PPM	.0005
Cu1		100.1	.5003	.5000	PPM	.0023
Ni3		100.9	.5045	.5000	PPM	.0114
Ag1		106.6	.5329	.5000	PPM	.0026
Zn1		102.2	.5112	.5000	PPM	.0066

*** Sample ID: 45227-5 Seq: 328 18:35:52 28 Dec 1994 ICP

DIL 1/5

Be1	.0001	PPM	.0000	.0001	.0000	.0001
Cd3	.0007	PPM	.0082	-.0088	.0062	.0047
Cr4	.0036	PPM	.0006	.0037	.0041	.0030
Cu1	.0043	PPM	.0013	.0053	.0029	.0048
Ni3	.0024	PPM	.0022	.0038	.0035	-.0002
Ag1	.0019	PPM	.0012	.0026	.0005	.0027
Zn1	.0181	PPM	.0026	.0153	.0187	.0203

*** Sample ID: 45227-5 Seq: 329 18:38:53 28 Dec 1994 ICP

Line	Conc.	Units	SD/RSD	1	2	3	4	5
Be1	.0007	PPM	.0000	.0007	.0007	.0007		
Cd3	.0060	PPM	.0057	.0041	.0015	.0124		
Cr4	.0156	PPM	.0010	.0166	.0157	.0146		
Cu1	.0250	PPM	.0014	.0237	.0264	.0250		
Ni3	.0074	PPM	.0110	.0141	.0134	-.0053		
Ag1	.0020	PPM	.0023	.0046	.0013	.0001		
Zn1	.0547	PPM	.0018	.0568	.0534	.0539		

*** Sample ID: 45227-5D Seq: 330 18:41:54 28 Dec 1994 ICP

Be1	.0007	PPM	.0000	.0007	.0007	.0006		
Cd3	.0071	PPM	.0111	.0083	.0175	-.0045		
Cr4	.0145	PPM	.0009	.0156	.0140	.0140		
Cu1	.0232	PPM	.0006	.0235	.0237	.0225		
Ni3	.0160	PPM	.0003	.0161	.0162	.0157		
Ag1	.0010	PPM	.0010	.0011	.0019	-.0001		
Zn1	.0530	PPM	.0016	.0538	.0541	.0511		

*** Sample ID: 45227-5S Seq: 331 18:44:55 28 Dec 1994 ICP

Be1	.0818	PPM	.0006	.0820	.0811	.0821		
Cd3	.0816	PPM	.0088	.0917	.0757	.0774		
Cr4	.3629	PPM	.0020	.3622	.3615	.3652		
Cu1	.4419	PPM	.0032	.4411	.4393	.4454		
Ni3	.8394	PPM	.0144	.8452	.8230	.8500		
Ag1	.0909	PPM	.0005	.0914	.0904	.0909		
Zn1	.8771	PPM	.0052	.8791	.8712	.8810		

*** Sample ID: 45227-5SD Seq: 332 18:47:56 28 Dec 1994 ICP

Be1	.0812	PPM	.0002	.0814	.0811	.0812		
Cd3	.0886	PPM	.0080	.0891	.0964	.0804		
Cr4	.3605	PPM	.0010	.3614	.3594	.3606		
Cu1	.4405	PPM	.0012	.4419	.4395	.4403		
Ni3	.8317	PPM	.0258	.8082	.8277	.8593		
Ag1	.0896	PPM	.0008	.0895	.0905	.0889		
Zn1	.8741	PPM	.0091	.8809	.8776	.8638		

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 45227-5PS Seq: 333 18:50:57 28 Dec 1994 ICP

Be1	.0665	PPM	.0003	.0661	.0668	.0666		
Cd3	.0732	PPM	.0078	.0685	.0821	.0689		
Cr4	.3073	PPM	.0002	.3072	.3072	.3076		
Cu1	.6626	PPM	.0081	.6543	.6704	.6631		
Ni3	.7497	PPM	.0060	.7437	.7496	.7557		
Ag1	.0085	PPM	.0011	.0089	.0073	.0094		
Zn1	.8026	PPM	.0032	.8012	.8063	.8004		

*** Sample ID: METHOD BLK Seq: 334 18:53:57 28 Dec 1994 ICP

Be1	-.0001	PPM	.0000	-.0002	-.0001	-.0001		
Cd3	-.0046	PPM	.0075	-.0028	.0019	-.0129		
Cr4	.0008	PPM	.0008	-.0001	.0009	.0016		
Cu1	-.0019	PPM	.0007	-.0026	-.0021	-.0012		
Ni3	-.0009	PPM	.0070	-.0064	-.0035	.0070		
Ag1	-.0007	PPM	.0014	-.0000	.0003	-.0022		
Zn1	.0092	PPM	.0015	.0098	.0075	.0103		

*** Check Standard: 1 Ck1 Seq: 336 18:57:01 28 Dec 1994 ICP

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Be1		.0003	.1500	PPM	.0000
Cd3		.0066	.1500	PPM	.0031
Cr4		.0006	.1500	PPM	.0006
Cu1		-.0003	.1500	PPM	.0019
Ni3		-.0008	.1500	PPM	.0064
Ag1		.0011	.1500	PPM	.0013
Zn1		.0048	.1500	PPM	.0013

*** Check Standard: 2 Ck2 Seq: 337 19:00:05 28 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Be1		100.4	.5018	.5000	PPM	.0023
Cd3		99.20	.4960	.5000	PPM	.0080
Cr4		104.1	.5207	.5000	PPM	.0017
Cu1		102.2	.5112	.5000	PPM	.0020
Ni3		100.4	.5020	.5000	PPM	.0085
Ag1		106.5	.5324	.5000	PPM	.0028
Zn1		103.8	.5192	.5000	PPM	.0033

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6 Seq: 444 00:01:20 29 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Ba1		4.177	.0021	.0500	PPM	.0001
Cd3	L	-68.18	-.0061	.0090	PPM	.0115
Cr4	L	-164.2	-.0066	.0040	PPM	.0015
Pb1		3.997	.0024	.0600	PPM	.0113
Se4	L	-299.1	-.1794	.0600	PPM	.3299
Ag1		67.37	.0040	.0060	PPM	.0013
Cu1	L	-498.3	-.0100	.0020	PPM	.0005
Ni3		26.15	.0262	.1000	PPM	.0052
Zn1	L	-126.3	-.0013	.0010	PPM	.0034
Be1	L	-344.3	-.0007	.0002	PPM	.0001
Sb1	L	-34.07	-.0341	.1000	PPM	.0467
Tl1	L	-93.45	-.0934	.1000	PPM	.0776
Al3		102.0	510.1	500.0	PPM	4.423
Co1		44.19	.0022	.0050	PPM	.0012
Fe2		85.38	170.8	200.0	PPM	.9019
V 2	L	-7.914	-.0079	.1000	PPM	.0007
Ca3		85.03	425.2	500.0	PPM	1.709
Mg4		99.48	497.4	500.0	PPM	2.103
Mn1		4.971	.0025	.0500	PPM	.0004

*** Check Standard: 7 Ck7 Seq: 445 00:04:27 29 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Ba1		90.50	.4525	.5000	PPM	.0046
Cd3		80.93	.8093	1.000	PPM	.0140
Cr4		85.62	.4281	.5000	PPM	.0013
Pb1		84.61	.8461	1.000	PPM	.0275
Ag1		99.87	.9987	1.000	PPM	.0088
Cu1		85.47	.4273	.5000	PPM	.0051
Ni3		86.89	.8689	1.000	PPM	.0225
Zn1		88.17	.8817	1.000	PPM	.0076
Be1		85.07	.4254	.5000	PPM	.0033
Al3		101.7	508.4	500.0	PPM	5.213
Co1		87.52	.4376	.5000	PPM	.0056
Fe2		84.55	169.1	200.0	PPM	.9798
V 2		83.93	.4196	.5000	PPM	.0045
Ca3		84.68	423.4	500.0	PPM	1.417
Mg4		98.67	493.3	500.0	PPM	2.343
Mn1		87.92	.4396	.5000	PPM	.0034

*** Peak Seq: 446 00:07:13 29 Dec 1994

XAp = 231 YAp = 130 Intensity = 1575267

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	1%ALL
Sample Description:	
Sample Type:	Blank
Sequence Number:	002
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	08:56:19 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	162	11.0169		
Se 82	4	5.6918		
Y 89	179678	3245.0859		
In 115	186577	1364.8690		
Sb 121	19	0.5915		
Tb 159	275545	3439.8308		
Tl 203	83	11.6706		
Pb 208	534	44.4507		

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	8.992E-04	6.132E-05				
Se 82	]	2.280E-05	3.168E-05				
Y 89	<	179678	3245.0859			ions/sec	
In 115	<]	186577	1364.8690			ions/sec	
Sb 121	]	1.032E-04	3.170E-06				
Tb 159	<]	275545	3439.8308			ions/sec	
Tl 203	]	3.000E-04	4.235E-05				
Pb 208	]	1.937E-03	1.613E-04				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	10ALL
Sample Description:	
Sample Type:	Standard
Sequence Number:	003
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	09:02:30 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	3034	67.8774	162	11.0169
Se 82	255	15.6325	4	5.6918
Y 89	177072	3610.8831	179678	3245.0859
In 115	189905	1693.2207	186577	1364.8690
Sb 121	10418	349.9246	19	0.5915
Tb 159	275623	5664.8252	275545	3439.8308
Tl 203	13826	317.5933	83	11.6706
Pb 208	45320	506.0205	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.0162	3.882E-04	10.0000	0.2391	PPB	2.3911
Se 82	]	1.418E-03	9.379E-05	10.0000	0.6615	PPB	6.6152
Y 89	<]	177072	3610.8831			ions/sec	
In 115	<]	189905	1693.2207			ions/sec	
Sb 121	]	0.0548	1.843E-03	10.0000	0.3365	PPB	3.3650
Tb 159	<]	275623	5664.8252			ions/sec	
Tl 203	]	0.0499	1.153E-03	10.0000	0.2312	PPB	2.3124
Pb 208	]	0.1625	1.843E-03	10.0000	0.1134	PPB	1.1342

Entered Conc.

QUANTITATIVE ANALYSIS: SUMMARY REPORT

		Entered Conc.
As 75		10.0000
Se 82		10.0000
Y 89	<	
In 115	<	
Sb 121		10.0000
Tb 159	<	
Tl 203		10.0000
Pb 208		10.0000

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	25ALL
Sample Description:	
Sample Type:	Standard
Sequence Number:	004
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	09:08:41 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	7081	129.3127	162	11.0169
Se 82	620	19.2671	4	5.6918
Y 89	182283	1877.1580	179678	3245.0859
In 115	186346	1691.8479	186577	1364.8690
Sb 121	24854	632.2231	19	0.5915
Tb 159	280802	4763.1816	275545	3439.8308
Tl 203	33324	340.7992	83	11.6706
Pb 208	109054	2389.4971	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.0379	7.121E-04	24.7622	0.4646	PPB	1.8764
Se 82	]	3.379E-03	1.103E-04	24.8326	0.8108	PPB	3.2651
Y 89	<	182283	1877.1580			ions/sec	
In 115	<]	186346	1691.8479			ions/sec	
Sb 121		0.1333	3.393E-03	24.9065	0.6341	PPB	2.5458
Tb 159	<]	280802	4763.1816			ions/sec	
Tl 203	]	0.1184	1.214E-03	24.8183	0.2546	PPB	1.0259
Pb 208	]	0.3864	8.511E-03	24.8246	0.5468	PPB	2.2025

Entered Conc.

QUANTITATIVE ANALYSIS: SUMMARY REPORT

		Entered Conc.
As 75	]	25.0000
Se 82	]	25.0000
Y 89	<	
In 115	<]	
Sb 121	]	25.0000
Tb 159	<]	
Tl 203	]	25.0000
Pb 208	]	25.0000

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	50ALL
Sample Description:	
Sample Type:	Standard
Sequence Number:	005
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	09:14:52 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	13949	348.1938	162	11.0169
Se 82	1194	42.8289	4	5.6918
Y 89	181216	4209.3652	179678	3245.0859
In 115	187476	2200.3711	186577	1364.8690
Sb 121	51157	1680.8121	19	0.5915
Tb 159	277627	2734.2507	275545	3439.8308
Tl 203	66722	1010.2375	83	11.6706
Pb 208	223244	2655.6526	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.0761	1.922E-03	49.9193	1.2614	PPB	2.5270
Se 82	]	6.566E-03	2.385E-04	49.5946	1.8012	PPB	3.6318
Y 89	<	181216	4209.3652			ions/sec	
In 115	<]	187476	2200.3711			ions/sec	
Sb 121	]	0.2728	8.965E-03	50.2164	1.6505	PPB	3.2863
Tb 159	<]	277627	2734.2507			ions/sec	
Tl 203	]	0.2400	3.639E-03	50.0726	0.7591	PPB	1.5161
Pb 208	]	0.8022	9.567E-03	50.3365	0.6003	PPB	1.1926

Entered Conc.

QUANTITATIVE ANALYSIS: SUMMARY REPORT

		Entered Conc.
As 75		50.0000
Se 82		50.0000
Y 89	<	
In 115	<	
Sb 121		50.0000
Tb 159	<	
Tl 203		50.0000
Pb 208		50.0000

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	100ALL
Sample Description:	
Sample Type:	Standard
Sequence Number:	006
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	09:21:03 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	28414	720.9772	162	11.0169
Se 82	2497	11.9785	4	5.6918
Y 89	182988	3470.5471	179678	3245.0859
In 115	188056	4019.6824	186577	1364.8690
Sb 121	101986	3112.9797	19	0.5915
Tb 159	280008	4725.0122	275545	3439.8308
Tl 203	134029	3965.3455	83	11.6706
Pb 208	440325	5359.4087	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.1544	3.940E-03	100.3141	2.5605	PPB	2.5525
Se 82	]	0.0136	7.272E-05	100.6942	0.5375	PPB	0.5338
Y 89	<	182988	3470.5471			ions/sec	
In 115	<]	188056	4019.6824			ions/sec	
Sb 121	]	0.5422	0.0166	99.9564	3.0516	PPB	3.0529
Tb 159	<]	280008	4725.0122			ions/sec	
Tl 203	]	0.4784	0.0142	99.9491	2.9589	PPB	2.9604
Pb 208	]	1.5706	0.0191	99.6438	1.2144	PPB	1.2187

Entered Conc.

QUANTITATIVE ANALYSIS: SUMMARY REPORT

	Entered Conc.
As 75	100.0000
Se 82	100.0000
Y 89	
In 115	
Sb 121	100.0000
Tb 159	
Tl 203	100.0000
Pb 208	100.0000

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	200ALL
Sample Description:	
Sample Type:	Standard
Sequence Number:	007
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	09:27:14 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	55982	417.1621	162	11.0169
Se 82	4906	106.9277	4	5.6918
Y 89	182029	755.2871	179678	3245.0859
In 115	189809	3027.8779	186577	1364.8690
Sb 121	203816	5003.2046	19	0.5915
Tb 159	281611	6224.9141	275545	3439.8308
Tl 203	266789	5503.6104	83	11.6706
Pb 208	867497	1.428E+04	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.3066	2.293E-03	199.8140	1.4939	PPB	0.7476
Se 82	]	0.0269	5.883E-04	199.7591	4.3637	PPB	2.1845
Y 89	<	182029	755.2871			ions/sec	
In 115	<]	189809	3027.8779			ions/sec	
Sb 121	]	1.0737	0.0264	199.4822	4.8973	PPB	2.4550
Tb 159	<]	281611	6224.9141			ions/sec	
Tl 203	]	0.9471	0.0195	199.4690	4.1162	PPB	2.0636
Pb 208	]	3.0785	0.0507	198.8142	3.2750	PPB	1.6472

Entered Conc.

QUANTITATIVE ANALYSIS: SUMMARY REPORT

	Entered Conc.
As 75	200.0000
Se 82	200.0000
Y 89	
In 115	
Sb 121	200.0000
Tb 159	
Tl 203	200.0000
Pb 208	200.0000

QUANTITATIVE ANALYSIS: CALIBRATION REPORT

Data Set: 12.28.94
Data Set Description:
Calibration File: [Untitled]
Calibration: External Standard

Analyte	Slope	Intercept	Root Mean Square	Correlation Coefficient	Units	
As 75	0.001535	0.000000	7.609865E-04	0.999979	PPB	Z
Se 82	1.348095E-04	0.000000	1.193710E-04	0.999933	PPB	Z
Y 89						
In 115						
Sb 121	0.005382	0.000000	0.003140	0.999971	PPB	Z
Tb 159						
Tl 203	0.004748	0.000000	0.002820	0.999970	PPB	Z
Pb 208	0.015485	0.000000	0.020421	0.999850	PPB	Z

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSICV
Sample Description:	
Sample Type:	Sample
Sequence Number:	009
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	09:39:36 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	3309	122.4501	162	11.0169
Se 82	2561	84.0889	4	5.6918
Y 89	185426	5486.0122	179678	3245.0859
In 115	190603	5570.4985	186577	1364.8690
Sb 121	11900	296.4169	19	0.5915
Tb 159	286620	2950.8262	275545	3439.8308
Tl 203	13229	195.3045	83	11.6706
Pb 208	46505	718.3624	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.0169	6.632E-04	11.0437	0.4322	PPB	3.9131
Se 82	]	0.0138	4.546E-04	102.2653	3.3721	PPB	3.2974
Y 89	<]	185426	5486.0122			ions/sec	
In 115	<]	190603	5570.4985			ions/sec	
Sb 121	]	0.0623	1.555E-03	11.5800	0.2889	PPB	2.4951
Tb 159	<]	286620	2950.8262			ions/sec	
Tl 203	]	0.0459	6.827E-04	9.6581	0.1438	PPB	1.4888
Pb 208	]	0.1603	2.512E-03	10.3534	0.1622	PPB	1.5666

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSICB
Sample Description:	
Sample Type:	Sample
Sequence Number:	010
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	09:45:47 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	166	24.5984	162	11.0169
Se 82	0	17.9309	4	5.6918
Y 89	182426	1951.5792	179678	3245.0859
In 115	189835	1713.6421	186577	1364.8690
Sb 121	90	17.7568	19	0.5915
Tb 159	278875	1470.2428	275545	3439.8308
Tl 203	89	13.2381	83	11.6706
Pb 208	553	15.4210	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		1.034E-05	1.481E-04	6.737E-03	0.0965	PPB	1432.6968
Se 82		-2.284E-05	1.033E-04	-0.1694	0.7660	PPB	452.1678
Y 89	<	182426	1951.5792			ions/sec	
In 115	<	189835	1713.6421			ions/sec	
Sb 121		3.686E-04	9.359E-05	0.0685	0.0174	PPB	25.3881
Tb 159	<	278875	1470.2428			ions/sec	
Tl 203		1.894E-05	6.362E-05	3.988E-03	0.0134	PPB	335.9719
Pb 208		4.751E-05	1.705E-04	3.068E-03	0.0110	PPB	358.9447

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSICSA-1
Sample Description:	
Sample Type:	Sample
Sequence Number:	011
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	09:51:58 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	262	45.0301	162	11.0169
Se 82	-6	8.0682	4	5.6918
Y 89	183795	510.0857	179678	3245.0859
In 115	185760	4075.5723	186577	1364.8690
Sb 121	300	3.7106	19	0.5915
Tb 159	288646	4406.3423	275545	3439.8308
Tl 203	107	15.6613	83	11.6706
Pb 208	1839	65.3407	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	┐	5.245E-04	2.526E-04	0.3418	0.1646	PPB	48.1488
Se 82	│	-5.674E-05	5.413E-05	-0.4209	0.4016	PPB	95.4043
Y 89	<┘	183795	510.0857			ions/sec	
In 115	<┐	185760	4075.5723			ions/sec	
Sb 121	┘	1.510E-03	2.023E-05	0.2806	3.758E-03	PPB	1.3394
Tb 159	<┐	288646	4406.3423			ions/sec	
Tl 203	│	7.035E-05	6.883E-05	0.0148	0.0145	PPB	97.8390
Pb 208	┘	4.433E-03	2.780E-04	0.2863	0.0180	PPB	6.2700

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSICSAB-1
Sample Description:	
Sample Type:	Sample
Sequence Number:	012
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	09:58:09 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	26111	393.9566	162	11.0169
Se 82	2349	28.8241	4	5.6918
Y 89	172173	1603.9116	179678	3245.0859
In 115	167873	2331.4602	186577	1364.8690
Sb 121	1185	31.1969	19	0.5915
Tb 159	273543	3931.0989	275545	3439.8308
Tl 203	229	24.2080	83	11.6706
Pb 208	5896	174.7041	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.1508	2.289E-03	98.2356	1.4915	PPB	1.5183
Se 82	]	0.0136	1.704E-04	101.0487	1.2639	PPB	1.2508
Y 89	<	172173	1603.9116			ions/sec	
In 115	<	167873	2331.4602			ions/sec	
Sb 121	]	6.957E-03	1.859E-04	1.2925	0.0345	PPB	2.6718
Tb 159	<	273543	3931.0989			ions/sec	
Tl 203	]	5.377E-04	9.811E-05	0.1132	0.0207	PPB	18.2465
Pb 208	]	0.0196	6.587E-04	1.2670	0.0425	PPB	3.3576

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSCCV-2
Sample Description:	
Sample Type:	Sample
Sequence Number:	084
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	16:13:35 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	13302	143.6951	162	11.0169
Se 82	1213	43.3442	4	5.6918
Y 89	178367	741.1872	179678	3245.0859
In 115	183621	1407.1743	186577	1364.8690
Sb 121	48703	1053.8608	19	0.5915
Tb 159	276669	2545.8948	275545	3439.8308
Tl 203	61143	716.4611	83	11.6706
Pb 208	203041	1444.9060	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.0737	8.079E-04	48.0096	0.5265	PPB	1.0966
Se 82	]	6.776E-03	2.451E-04	50.2612	1.8178	PPB	3.6168
Y 89	<	178367	741.1872			ions/sec	
In 115	<]	183621	1407.1743			ions/sec	
Sb 121	]	0.2651	5.739E-03	49.2591	1.0663	PPB	2.1647
Tb 159	<]	276669	2545.8948			ions/sec	
Tl 203	]	0.2207	2.590E-03	46.4830	0.5455	PPB	1.1735
Pb 208	]	0.7319	5.225E-03	47.2690	0.3374	PPB	0.7139

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSCCB-2
Sample Description:	
Sample Type:	Sample
Sequence Number:	085
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	16:17:45 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	153	17.9192	162	11.0169
Se 82	-3	4.8292	4	5.6918
Y 89	177369	337.0057	179678	3245.0859
In 115	183416	878.2137	186577	1364.8690
Sb 121	323	20.0707	19	0.5915
Tb 159	274392	2508.7478	275545	3439.8308
Tl 203	155	7.7128	83	11.6706
Pb 208	1384	48.4276	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		-3.666E-05	1.182E-04	-0.0239	0.0770	PPB	322.3255
Se 82		-3.921E-05	4.177E-05	-0.2909	0.3098	PPB	106.5239
Y 89	<	177369	337.0057			ions/sec	
In 115	<	183416	878.2137			ions/sec	
Sb 121		1.658E-03	1.095E-04	0.3080	0.0203	PPB	6.6040
Tb 159	<	274392	2508.7478			ions/sec	
Tl 203		2.641E-04	5.083E-05	0.0556	0.0107	PPB	19.2492
Pb 208		3.106E-03	2.391E-04	0.2006	0.0154	PPB	7.6972

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	METHOD BLK
Sample Description:	
Sample Type:	Sample
Sequence Number:	086
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	16:21:55 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	140	6.3304	162	11.0169
Se 82	-6	8.5885	4	5.6918
Y 89	178489	1970.0912	179678	3245.0859
In 115	182644	1011.2592	186577	1364.8690
Sb 121	160	10.3376	19	0.5915
Tb 159	274427	818.2887	275545	3439.8308
Tl 203	91	8.2272	83	11.6706
Pb 208	644	36.9769	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	┐	-1.141E-04	7.083E-05	-0.0744	0.0462	PPB	62.0741
Se 82	│	-5.522E-05	5.761E-05	-0.4096	0.4273	PPB	104.3255
Y 89	<┘	178489	1970.0912			ions/sec	
In 115	<┐	182644	1011.2592			ions/sec	
Sb 121	┘	7.746E-04	5.669E-05	0.1439	0.0105	PPB	7.3180
Tb 159	<┐	274427	818.2887			ions/sec	
Tl 203	│	3.337E-05	5.189E-05	7.028E-03	0.0109	PPB	155.5127
Pb 208	┘	4.102E-04	2.102E-04	0.0265	0.0136	PPB	51.2379

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-1
Sample Description:	
Sample Type:	Sample
Sequence Number:	087
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	16:26:05 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	746	103.6212	162	11.0169
Se 82	11	6.5954	4	5.6918
Y 89	173174	1874.7715	179678	3245.0859
In 115	181439	1312.5425	186577	1364.8690
Sb 121	621	103.2925	19	0.5915
Tb 159	275399	2727.0869	275545	3439.8308
Tl 203	147	3.6466	83	11.6706
Pb 208	41986	427.5762	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		3.408E-03	6.015E-04	2.2207	0.3919	PPB	17.6493
Se 82		3.944E-05	4.954E-05	0.2926	0.3675	PPB	125.5868
Y 89	<	173174	1874.7715			ions/sec	
In 115	<	181439	1312.5425			ions/sec	
Sb 121		3.320E-03	5.693E-04	0.6168	0.1058	PPB	17.1496
Tb 159	<	275399	2727.0869			ions/sec	
Tl 203		2.325E-04	4.438E-05	0.0490	9.346E-03	PPB	19.0856
Pb 208		0.1505	1.561E-03	9.7205	0.1008	PPB	1.0370

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-2
Sample Description:	
Sample Type:	Sample
Sequence Number:	088
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	16:30:15 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	-124	226.2852	162	11.0169
Se 82	7	3.9453	4	5.6918
Y 89	170750	1725.6085	179678	3245.0859
In 115	178368	2273.4541	186577	1364.8690
Sb 121	384	57.1018	19	0.5915
Tb 159	275334	1158.7480	275545	3439.8308
Tl 203	79	8.1602	83	11.6706
Pb 208	14119	57.1126	534	44.4507

	Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	-1.626E-03	1.327E-03	-1.0597	0.8645	PPB	81.5768
Se 82	1.868E-05	3.921E-05	0.1385	0.2908	PPB	209.9373
Y 89	170750	1725.6085			ions/sec	
In 115	178368	2273.4541			ions/sec	
Sb 121	2.051E-03	3.202E-04	0.3811	0.0595	PPB	15.6075
Tb 159	275334	1158.7480			ions/sec	
Tl 203	-1.214E-05	5.169E-05	-2.556E-03	0.0109	PPB	425.8921
Pb 208	0.0493	2.628E-04	3.1866	0.0170	PPB	0.5326

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-3
Sample Description:	
Sample Type:	Sample
Sequence Number:	089
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	16:34:25 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	-126	57.5511	162	11.0169
Se 82	25	7.5777	4	5.6918
Y 89	166986	650.2505	179678	3245.0859
In 115	175444	1384.9972	186577	1364.8690
Sb 121	420	72.9980	19	0.5915
Tb 159	271049	885.8903	275545	3439.8308
Tl 203	99	4.8004	83	11.6706
Pb 208	70359	510.7796	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	┐	-1.653E-03	3.501E-04	-1.0769	0.2281	PPB	21.1821
Se 82	│	1.290E-04	5.534E-05	0.9573	0.4105	PPB	42.8848
Y 89	<┘	166986	650.2505			ions/sec	
In 115	<┐	175444	1384.9972			ions/sec	
Sb 121	┘	2.293E-03	4.161E-04	0.4260	0.0773	PPB	18.1470
Tb 159	<┐	271049	885.8903			ions/sec	
Tl 203	│	6.628E-05	4.591E-05	0.0140	9.669E-03	PPB	69.2669
Pb 208	┘	0.2576	1.891E-03	16.6387	0.1221	PPB	0.7341

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-4
Sample Description:	
Sample Type:	Sample
Sequence Number:	090
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	16:38:36 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	-71	135.6443	162	11.0169
Se 82	-1	8.5753	4	5.6918
Y 89	169954	1629.4987	179678	3245.0859
In 115	180170	1682.1404	186577	1364.8690
Sb 121	270	28.5584	19	0.5915
Tb 159	273847	2779.2466	275545	3439.8308
Tl 203	83	14.9839	83	11.6706
Pb 208	80574	564.3525	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	┐	-1.317E-03	8.005E-04	-0.8584	0.5216	PPB	60.7606
Se 82	│	-2.820E-05	5.958E-05	-0.2092	0.4419	PPB	211.2594
Y 89	<┘	169954	1629.4987			ions/sec	
In 115	<┐	180170	1682.1404			ions/sec	
Sb 121	┘	1.398E-03	1.585E-04	0.2597	0.0295	PPB	11.3400
Tb 159	<┐	273847	2779.2466			ions/sec	
Tl 203	│	1.755E-06	6.919E-05	3.696E-04	0.0146	PPB	3942.6931
Pb 208	┘	0.2923	2.067E-03	18.8765	0.1335	PPB	0.7072

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	WATER-ERA-1
Sample Description:	
Sample Type:	Sample
Sequence Number:	091
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	16:42:46 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	3021	97.1606	162	11.0169
Se 82	2350	24.2373	4	5.6918
Y 89	166604	1264.9038	179678	3245.0859
In 115	174147	1231.1738	186577	1364.8690
Sb 121	11173	95.3184	19	0.5915
Tb 159	268857	3941.1851	275545	3439.8308
Tl 203	11597	264.6157	83	11.6706
Pb 208	40535	525.8078	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.0172	5.864E-04	11.2288	0.3821	PPB	3.4029
Se 82	]	0.0141	1.489E-04	104.4654	1.1044	PPB	1.0572
Y 89	<	166604	1264.9038			ions/sec	
In 115	<]	174147	1231.1738			ions/sec	
Sb 121	]	0.0641	5.474E-04	11.9009	0.1017	PPB	0.8545
Tb 159	<]	268857	3941.1851			ions/sec	
Tl 203	]	0.0428	9.851E-04	9.0213	0.2075	PPB	2.3000
Pb 208	]	0.1488	1.962E-03	9.6117	0.1267	PPB	1.3185

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSCCV-3
Sample Description:	
Sample Type:	Sample
Sequence Number:	092
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	16:46:56 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	12633	90.9393	162	11.0169
Se 82	1168	30.7345	4	5.6918
Y 89	170761	1771.4261	179678	3245.0859
In 115	177516	1404.5144	186577	1364.8690
Sb 121	46334	416.9608	19	0.5915
Tb 159	268956	1187.9397	275545	3439.8308
Tl 203	59914	801.8112	83	11.6706
Pb 208	201872	2083.9048	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.0731	5.361E-04	47.6212	0.3493	PPB	0.7335
Se 82	]	6.816E-03	1.828E-04	50.5571	1.3556	PPB	2.6814
Y 89	<	170761	1771.4261			ions/sec	
In 115	<]	177516	1404.5144			ions/sec	
Sb 121	]	0.2609	2.349E-03	48.4746	0.4364	PPB	0.9003
Tb 159	<]	268956	1187.9397			ions/sec	
Tl 203	]	0.2225	2.981E-03	46.8552	0.6280	PPB	1.3402
Pb 208	]	0.7486	7.750E-03	48.3475	0.5005	PPB	1.0352

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSCCB-3
Sample Description:	
Sample Type:	Sample
Sequence Number:	093
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	16:51:06 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	144	15.6095	162	11.0169
Se 82	0	7.8061	4	5.6918
Y 89	170473	850.8841	179678	3245.0859
In 115	177234	1422.4312	186577	1364.8690
Sb 121	311	20.4131	19	0.5915
Tb 159	271600	3284.7415	275545	3439.8308
Tl 203	135	19.5447	83	11.6706
Pb 208	1381	7.0538	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		-5.702E-05	1.102E-04	-0.0372	0.0718	PPB	193.2703
Se 82		-2.449E-05	5.568E-05	-0.1816	0.4130	PPB	227.3945
Y 89	<	170473	850.8841			ions/sec	
In 115	<	177234	1422.4312			ions/sec	
Sb 121		1.651E-03	1.152E-04	0.3067	0.0214	PPB	6.9802
Tb 159	<	271600	3284.7415			ions/sec	
Tl 203		1.986E-04	8.350E-05	0.0418	0.0176	PPB	42.0514
Pb 208		3.150E-03	1.634E-04	0.2034	0.0106	PPB	5.1879

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	METHOD BLK
Sample Description:	
Sample Type:	Sample
Sequence Number:	094
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	16:55:16 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	147	11.2617	162	11.0169
Se 82	-3	7.4974	4	5.6918
Y 89	171388	334.1224	179678	3245.0859
In 115	177497	1359.1189	186577	1364.8690
Sb 121	155	19.3609	19	0.5915
Tb 159	271416	3780.0933	275545	3439.8308
Tl 203	89	4.7254	83	11.6706
Pb 208	645	24.8612	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	┐	-4.070E-05	8.987E-05	-0.0265	0.0586	PPB	220.8285
Se 82	│	-3.830E-05	5.401E-05	-0.2841	0.4006	PPB	141.0027
Y 89	<┘	171388	334.1224			ions/sec	
In 115	<┐	177497	1359.1189			ions/sec	
Sb 121	┘	7.695E-04	1.091E-04	0.1430	0.0203	PPB	14.1801
Tb 159	<┐	271416	3780.0933			ions/sec	
Tl 203	│	2.879E-05	4.579E-05	6.063E-03	9.645E-03	PPB	159.0786
Pb 208	┘	4.390E-04	1.855E-04	0.0284	0.0120	PPB	42.2536

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-5-1/5
Sample Description:	
Sample Type:	Sample
Sequence Number:	095
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	17:06:29 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	157	19.8400	162	11.0169
Se 82	4	12.6631	4	5.6918
Y 89	183331	2626.7915	179678	3245.0859
In 115	182211	1590.7385	186577	1364.8690
Sb 121	189	25.7581	19	0.5915
Tb 159	284094	1150.0844	275545	3439.8308
Tl 203	134	21.0120	83	11.6706
Pb 208	11529	89.1950	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		-4.440E-05	1.244E-04	-0.0289	0.0810	PPB	280.1231
Se 82		-1.548E-06	7.599E-05	-0.0115	0.5637	PPB	4908.5205
Y 89	<	183331	2626.7915			ions/sec	
In 115	<	182211	1590.7385			ions/sec	
Sb 121		9.363E-04	1.414E-04	0.1740	0.0263	PPB	15.1023
Tb 159	<	284094	1150.0844			ions/sec	
Tl 203		1.721E-04	8.523E-05	0.0362	0.0180	PPB	49.5259
Pb 208		0.0386	3.530E-04	2.4957	0.0228	PPB	0.9134

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-5
Sample Description:	
Sample Type:	Sample
Sequence Number:	096
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	17:10:39 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	243	94.5489	162	11.0169
Se 82	0	8.6876	4	5.6918
Y 89	218863	1069.1938	179678	3245.0859
In 115	180541	1460.0620	186577	1364.8690
Sb 121	588	46.4237	19	0.5915
Tb 159	280498	2377.6885	275545	3439.8308
Tl 203	280	15.0653	83	11.6706
Pb 208	52733	100.1374	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		2.124E-04	4.363E-04	0.1384	0.2843	PPB	205.4121
Se 82		-2.327E-05	5.078E-05	-0.1726	0.3767	PPB	218.2406
Y 89	<	218863	1069.1938			ions/sec	
In 115	<	180541	1460.0620			ions/sec	
Sb 121		3.153E-03	2.572E-04	0.5858	0.0478	PPB	8.1555
Tb 159	<	280498	2377.6885			ions/sec	
Tl 203		6.999E-04	6.840E-05	0.1474	0.0144	PPB	9.7730
Pb 208		0.1861	3.918E-04	12.0160	0.0253	PPB	0.2106

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-5D
Sample Description:	
Sample Type:	Sample
Sequence Number:	097
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	17:14:49 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	338	109.4412	162	11.0169
Se 82	3	17.8508	4	5.6918
Y 89	218876	1542.4968	179678	3245.0859
In 115	179272	1028.4309	186577	1364.8690
Sb 121	476	26.6688	19	0.5915
Tb 159	282481	842.6030	275545	3439.8308
Tl 203	292	5.5424	83	11.6706
Pb 208	52459	261.5225	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	┐	6.446E-04	5.038E-04	0.4200	0.3283	PPB	78.1513
Se 82	│	-8.255E-06	8.749E-05	-0.0612	0.6490	PPB	1059.8568
Y 89	<┘	218876	1542.4968			ions/sec	
In 115	<┐	179272	1028.4309			ions/sec	
Sb 121	┘	2.552E-03	1.488E-04	0.4741	0.0276	PPB	5.8313
Tb 159	<┐	282481	842.6030			ions/sec	
Tl 203	│	7.332E-04	4.668E-05	0.1544	9.831E-03	PPB	6.3665
Pb 208	┘	0.1838	9.398E-04	11.8681	0.0607	PPB	0.5114

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-5S 1/20
Sample Description:	
Sample Type:	Sample
Sequence Number:	098
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	17:18:59 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	38819	353.1284	162	11.0169
Se 82	3841	50.5784	4	5.6918
Y 89	171524	932.5190	179678	3245.0859
In 115	177564	1495.8159	186577	1364.8690
Sb 121	35200	114.4508	19	0.5915
Tb 159	272379	2708.1816	275545	3439.8308
Tl 203	204519	378.5353	83	11.6706
Pb 208	179403	999.8032	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.2254	2.060E-03	146.8852	1.3421	PPB	0.9137
Se 82	]	0.0224	2.966E-04	165.9220	2.1999	PPB	1.3259
Y 89	<	171524	932.5190			ions/sec	
In 115	<]	177564	1495.8159			ions/sec	
Sb 121	]	0.1981	6.446E-04	36.8113	0.1198	PPB	0.3253
Tb 159	<]	272379	2708.1816			ions/sec	
Tl 203	]	0.7506	1.390E-03	158.0810	0.2928	PPB	0.1852
Pb 208	]	0.6567	3.674E-03	42.4109	0.2373	PPB	0.5595

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-5SD 1/20
Sample Description:	
Sample Type:	Sample
Sequence Number:	099
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	17:23:09 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	39526	599.0154	162	11.0169
Se 82	3912	94.3157	4	5.6918
Y 89	170319	1891.0945	179678	3245.0859
In 115	175437	1481.1412	186577	1364.8690
Sb 121	35860	447.9752	19	0.5915
Tb 159	272961	1033.7996	275545	3439.8308
Tl 203	212870	2152.2405	83	11.6706
Pb 208	185268	3453.8525	534	44.4507

	Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	0.2312	3.518E-03	150.6334	2.2921	PPB	1.5216
Se 82	0.0229	5.547E-04	170.2025	4.1144	PPB	2.4174
Y 89	170319	1891.0945			ions/sec	
In 115	175437	1481.1412			ions/sec	
Sb 121	0.2043	2.553E-03	37.9569	0.4744	PPB	1.2499
Tb 159	272961	1033.7996			ions/sec	
Tl 203	0.7796	7.885E-03	164.1879	1.6607	PPB	1.0115
Pb 208	0.6768	0.0127	43.7080	0.8172	PPB	1.8697

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-5PS
Sample Description:	
Sample Type:	Sample
Sequence Number:	100
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	17:27:20 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	5900	169.9108	162	11.0169
Se 82	4863	53.6408	4	5.6918
Y 89	210563	1189.6791	179678	3245.0859
In 115	173437	1300.3442	186577	1364.8690
Sb 121	23345	143.4191	19	0.5915
Tb 159	273112	2202.0120	275545	3439.8308
Tl 203	23767	96.8613	83	11.6706
Pb 208	131295	367.3199	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.0271	8.093E-04	17.6710	0.5273	PPB	2.9841
Se 82	]	0.0231	2.567E-04	171.1462	1.9042	PPB	1.1126
Y 89	<]	210563	1189.6791			ions/sec	
In 115	<]	173437	1300.3442			ions/sec	
Sb 121	]	0.1345	8.269E-04	24.9882	0.1536	PPB	0.6148
Tb 159	<]	273112	2202.0120			ions/sec	
Tl 203	]	0.0867	3.572E-04	18.2651	0.0752	PPB	0.4119
Pb 208	]	0.4788	1.355E-03	30.9212	0.0875	PPB	0.2829

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSCCV-4
Sample Description:	
Sample Type:	Sample
Sequence Number:	101
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	17:31:30 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	12084	15.9666	162	11.0169
Se 82	1126	16.6654	4	5.6918
Y 89	167406	820.1161	179678	3245.0859
In 115	176836	920.9915	186577	1364.8690
Sb 121	46285	978.4114	19	0.5915
Tb 159	269743	1641.7902	275545	3439.8308
Tl 203	61784	989.1478	83	11.6706
Pb 208	204231	1575.6769	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.0713	1.134E-04	46.4499	0.0739	PPB	0.1591
Se 82	]	6.703E-03	1.045E-04	49.7255	0.7749	PPB	1.5584
Y 89	<	167406	820.1161			ions/sec	
In 115	<]	176836	920.9915			ions/sec	
Sb 121	]	0.2616	5.533E-03	48.6095	1.0280	PPB	2.1147
Tb 159	<]	269743	1641.7902			ions/sec	
Tl 203	]	0.2287	3.667E-03	48.1787	0.7724	PPB	1.6032
Pb 208	]	0.7552	5.844E-03	48.7710	0.3774	PPB	0.7738

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSCCB-4
Sample Description:	
Sample Type:	Sample
Sequence Number:	102
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	17:35:40 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	152	36.5604	162	11.0169
Se 82	-2	11.6800	4	5.6918
Y 89	170002	691.8427	179678	3245.0859
In 115	178780	1321.7115	186577	1364.8690
Sb 121	273	22.7982	19	0.5915
Tb 159	271913	3572.2322	275545	3439.8308
Tl 203	175	2.7504	83	11.6706
Pb 208	1099	80.1166	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		-2.666E-06	2.236E-04	-1.737E-03	0.1457	PPB	8389.1855
Se 82		-3.320E-05	7.566E-05	-0.2462	0.5612	PPB	227.9040
Y 89	<	170002	691.8427			ions/sec	
In 115	<	178780	1321.7115			ions/sec	
Sb 121		1.422E-03	1.276E-04	0.2642	0.0237	PPB	8.9698
Tb 159	<	271913	3572.2322			ions/sec	
Tl 203		3.442E-04	4.355E-05	0.0725	9.172E-03	PPB	12.6505
Pb 208		2.104E-03	3.359E-04	0.1359	0.0217	PPB	15.9637

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSICSA-2
Sample Description:	
Sample Type:	Sample
Sequence Number:	161
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	21:41:25 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	233	13.2791	162	11.0169
Se 82	3	4.9435	4	5.6918
Y 89	170439	2676.7903	179678	3245.0859
In 115	174990	1140.6151	186577	1364.8690
Sb 121	272	11.7146	19	0.5915
Tb 159	290305	2955.2937	275545	3439.8308
Tl 203	107	9.5832	83	11.6706
Pb 208	1754	91.4764	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	4.685E-04	9.914E-05	0.3053	0.0646	PPB	21.1638
Se 82	]	-6.726E-06	4.295E-05	-0.0499	0.3186	PPB	638.6147
Y 89	<]	170439	2676.7903			ions/sec	
In 115	<]	174990	1140.6151			ions/sec	
Sb 121	]	1.452E-03	6.702E-05	0.2698	0.0125	PPB	4.6146
Tb 159	<]	290305	2955.2937			ions/sec	
Tl 203	]	6.724E-05	5.370E-05	0.0142	0.0113	PPB	79.8591
Pb 208	]	4.106E-03	3.540E-04	0.2652	0.0229	PPB	8.6211

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.28.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSICSAB-2
Sample Description:	
Sample Type:	Sample
Sequence Number:	162
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	21:45:35 Dec 28 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	22626	146.9355	162	11.0169
Se 82	2087	8.3482	4	5.6918
Y 89	155613	1585.6355	179678	3245.0859
In 115	154830	2050.9634	186577	1364.8690
Sb 121	1003	23.4222	19	0.5915
Tb 159	271305	5749.4341	275545	3439.8308
Tl 203	244	9.3751	83	11.6706
Pb 208	6016	83.8600	534	44.4507

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.1445	9.462E-04	94.1585	0.6166	PPB	0.6548
Se 82	]	0.0134	6.230E-05	99.3031	0.4621	PPB	0.4654
Y 89	<	155613	1585.6355			ions/sec	
In 115	<]	154830	2050.9634			ions/sec	
Sb 121	]	6.372E-03	1.513E-04	1.1838	0.0281	PPB	2.3747
Tb 159	<]	271305	5749.4341			ions/sec	
Tl 203	]	5.995E-04	5.466E-05	0.1263	0.0115	PPB	9.1182
Pb 208	]	0.0202	3.487E-04	1.3070	0.0225	PPB	1.7228

Protocol: high-cal

Rev: 3.000 Time: 07:25:24 28 Dec 1994

Folder: #122794 Seq: 100 Print: On

User: lana Batch: Id: Ck3 Cup: 2 10 Gas: LPM

State: Idle Xmit: Off Autosampler: On

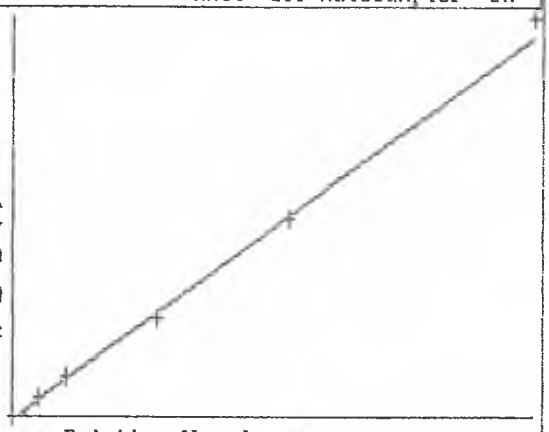
CALIBRATION: Line Calibration

Line: Hg

	Conc.	Calc.	Dev.	Accepted	
				liNear	
S1	.0000	-.0002	-.0002	Quadratic	
S2	1.000	.9658	-.0342	WtdLinear	
S3	2.000	2.061	.0613		C
S4	5.000	5.318	.3183	Accept	o
S5	10.00	10.09	.0895		n
S6	20.00	18.86	-1.139	StdAdd	c

A .0000000 r .999186

B 1.74817e-5 C -1.67830e-2



	Mean	%RSD		Relative Absorbance	
S1	948	9.44	977	848	1020
S2	56207	1.79	55060	56932	56630
S3	118870	1.01	118266	118095	120250
S4	385178	1.23	388790	385454	381292
S5	578105	0.76	573056	580192	581067
S6	1079859	0.96	1075128	1072668	1091782

```
*** Check Standard: 4  Ck4          Seq:  95      07:14:47 28 Dec 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          111.2    4.449   4.000  PPB        .0000

*** Check Standard: 1  Ck1          Seq:  96      07:17:46 28 Dec 1994 HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.0632    .5000    PPB        .0000

*** Check Standard: 2  Ck2          Seq:  97      07:19:55 28 Dec 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          112.9    5.646   5.000  PPB        .0000

*** Check Standard: 1  Ck1          Seq:  98      07:23:02 28 Dec 1994 HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.0500    .5000    PPB        .0000

*** Check Standard: 3  Ck3          Seq:  99      07:25:11 28 Dec 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          111.3    2.226   2.000  PPB        .0000
```

277

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 2 Ck2 Seq: 136 12:15:51 28 Dec 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		110.6	5.532	5.000	PPB	.0000

*** Check Standard: 1 Ck1 Seq: 137 12:19:00 28 Dec 1994 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0521	.5000	PPB	.0000

*** Sample ID: 45277-3 Seq: 138 12:21:07 28 Dec 1994 HG

Hg -.0021 PPB .0000 -.0021

*** Sample ID: 45277-4 Seq: 139 12:23:11 28 Dec 1994 HG

Hg -.0201 PPB .0000 -.0201

*** Sample ID: 45277-5 Seq: 140 12:25:15 28 Dec 1994 HG

Hg .0038 PPB .0000 .0038

*** Sample ID: 45277-5S Seq: 141 12:27:19 28 Dec 1994 HG

Hg 1.909 PPB .0000 1.909

*** Sample ID: 45277-5SD Seq: 142 12:30:13 28 Dec 1994 HG

Hg 1.876 PPB .0000 1.876

*** Sample ID: 45229-1 Seq: 143 12:33:02 28 Dec 1994 HG

Hg .0030 PPB .0000 .0030

*** Sample ID: 45229-2 Seq: 144 12:35:06 28 Dec 1994 HG

Hg -.0034 PPB .0000 -.0035

*** Sample ID: 45229-3 Seq: 145 12:37:10 28 Dec 1994 HG

Hg .0212 PPB .0000 .0212

*** Sample ID: 45229-4 Seq: 146 12:39:17 28 Dec 1994 HG

Hg .0256 PPB .0000 .0256

*** Sample ID: 45229-6 Seq: 147 12:41:23 28 Dec 1994 HG

Hg -.0301 PPB .0000 -.0301

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2 Ck2 Seq: 148 12:43:30 28 Dec 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		110.5	5.527	5.000	PPB	.0000

*** Check Standard: 1 Ck1 Seq: 149 12:46:40 28 Dec 1994 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0493	.5000	PPB	.0000

*** Sample ID: 45229-7 Seq: 150 12:48:47 28 Dec 1994 HG

Hg -.0155 PPB .0000 -.0155

*** Sample ID: 45229-7S Seq: 151 12:50:52 28 Dec 1994 HG

Hg 1.880 PPB .0000 1.880

*** Sample ID: 45229-7SD Seq: 152 12:53:47 28 Dec 1994 HG

Hg 1.856 PPB .0000 1.856

*** Sample ID: 45229-8 Seq: 153 12:56:36 28 Dec 1994 HG

Hg -.0265 PPB .0000 -.0265

*** Sample ID: 45229-9 Seq: 154 12:58:41 28 Dec 1994 HG

Hg -.0097 PPB .0000 -.0097

*** Sample ID: 45229-10 Seq: 155 13:00:46 28 Dec 1994 HG

Hg -.0232 PPB .0000 -.0232

*** Sample ID: 45229-11 Seq: 156 13:02:52 28 Dec 1994 HG

Hg -.0083 PPB .0000 -.0083

*** Sample ID: 2.0 ERA Seq: 157 13:04:57 28 Dec 1994 HG

Hg 2.198 PPB .0000 2.198

*** Sample ID: MB Seq: 158 13:07:53 28 Dec 1994 HG

Hg -.0197 PPB .0000 -.0197

*** Sample ID: MB SPIKE Seq: 159 13:09:58 28 Dec 1994 HG

Hg 2.196 PPB .0000 2.196

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 2 Ck2 Seq: 160 13:12:57 28 Dec 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		111.0	5.550	5.000	PPB	.0000

*** Check Standard: 1 Ck1 Seq: 161 13:16:01 28 Dec 1994 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0550	.5000	PPB	.0000

*** Sample ID: 45233-1 Seq: 162 13:18:19 28 Dec 1994 HG

Hg -.0130 PPB .0000 -.0130

*** Sample ID: 45233-1D Seq: 163 13:20:27 28 Dec 1994 HG

Hg -.0189 PPB .0000 -.0189

*** Sample ID: 45233-1S Seq: 164 13:22:32 28 Dec 1994 HG

Hg 1.769 PPB .0000 1.769

*** Sample ID: 45233-1SD Seq: 165 13:25:28 28 Dec 1994 HG

Hg 1.752 PPB .0000 1.752

*** Sample ID: 45233-2 Seq: 166 13:28:17 28 Dec 1994 HG

Hg -.0247 PPB .0000 -.0247

*** Sample ID: MB Seq: 167 13:30:22 28 Dec 1994 HG

Hg -.0121 PPB .0000 -.0121

*** Sample ID: MB SPIKE Seq: 168 13:32:27 28 Dec 1994 HG

Hg 2.140 PPB .0000 2.140

*** Sample ID: 2.0 ERA Seq: 169 13:35:22 28 Dec 1994 HG

Hg 2.096 PPB .0000 2.096

*** Sample ID: 45227-1 Seq: 170 13:38:18 28 Dec 1994 HG

Hg -.0253 PPB .0000 -.0253

*** Sample ID: 45277-2 Seq: 171 13:40:23 28 Dec 1994 HG

Hg .0155 PPB .0000 .0155

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1 Seq: 172 13:42:30 28 Dec 1994 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0405	.5000	PPB	.0000

*** Check Standard: 2 Ck2 Seq: 173 13:44:39 28 Dec 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.7	5.385	5.000	PPB	.0000

1915

DATE DUE 12-30

~~Soil~~ Water

METALS WORKSHEET

CLIENT: Ecology & Environment.

LAB NO: 45227

DATE SAMPLED: 12-13

DATE DUE 12-30

DATE PREPARED 12-27

DATE ANALYZED

ANALYST

Date rec'd 12-16-94

DELIVERABLES - TIER II

Sample No.	1
Client ID	T4120210
Weight/Volume	50 mL
Final Volume	50 ml
Solids, %	
Units	

Sample No.	2
Client ID	T4120211
~~Weight/Volume~~	
~~Final Volume~~	
Solids, %	
Units	

Element	ICP	MS	GF	Result	PQL
Arsenic		X			
[redacted]					
Cadmium	X				
Chromium	X				
Lead		X			
Selenium		X			
Silver	X				
Copper	X				
Nickel	X				
Zinc	X				
Thallium		X			
Beryllium	X				
Antimony		X			
[redacted]					
[redacted]					
[redacted]					
[redacted]					
[redacted]					

ICP	MS	GF	Result	PQL

DATA REVIEWED BY

DATE:

DATE DUE 12-30

METALS WORKSHEET

CLIENT: Ecology & Environment.

LAB NO: 45227

DATE SAMPLED: 12-13

DATE DUE 12-30

DATE PREPARED 12-27

DATE ANALYZED

ANALYST

Date rec'd 12-16-94

Sample No.	3
Client ID	T4120212
Weight/Volume	50 mL
Final Volume	50 ml
Solids, %	
Units	

Sample No.	4
Client ID	T4120211
Weight/Volume	
Final Volume	
Solids, %	
Units	

Element	ICP	MS	GF	Result	PQL	ICP	MS	GF	Result	PQL
Arsenic		X								
[redacted]										
Cadmium	X									
Chromium	X									
Lead		X								
Selenium		X								
Silver	X									
Copper	X									
Nickel	X									
Zinc	X									
Thallium		X								
Beryllium	X									
Antimony		X								
[redacted]										
[redacted]										
[redacted]										
[redacted]										
[redacted]										

DATA REVIEWED BY

DATE:

DATE DUE 12-30

METALS WORKSHEET

CLIENT: Ecology & Environment.

LAB NO: 45227

DATE SAMPLED: 12-13

DATE DUE 12-30

DATE PREPARED 12-27

DATE ANALYZED

ANALYST

Date rec'd 12-16-94

Sample No.	5
Client ID	T4120217
Weight/Volume	50ml
Final Volume	50ml
Solids, %	
Units	

Sample No.	5 MS
Client ID	T4120217
Weight/Volume	
Final Volume	
Solids, %	
Units	

X 1ml spk

Element	ICP	MS	GF	Result	PQL
Arsenic		X			
[redacted]					
Cadmium	X				
Chromium	X				
Lead		X			
Selenium		X			
Silver	X				
Copper	X				
Nickel	X				
Zinc	X				
Thallium		X			
Beryllium	X				
Antimony		X			
[redacted]					
[redacted]					
[redacted]					
[redacted]					
[redacted]					

ICP	MS	GF	Result	PQL

DATA REVIEWED BY

DATE:

DATE DUE 12-30

METALS WORKSHEET

CLIENT: Ecology & Environment.

LAB NO: 45227

DATE SAMPLED: 12-13

DATE DUE 12-30

DATE PREPARED 12-27

DATE ANALYZED

ANALYST

X 1ml Spk

Date rec'd 12-16-94

Sample No.	5MSD
Client ID	T4120217
Weight/Volume	50ml
Final Volume	50ml
Solids, %	
Units	

Sample No.	MB.
Client ID	T41202
Weight/Volume	
Final Volume	
Solids, %	
Units	

Element	ICP	MS	GF	Result	PQL
Arsenic		X			
[redacted]					
Cadmium	X				
Chromium	X				
Lead		X			
Selenium		X			
Silver	X				
Copper	X				
Nickel	X				
Zinc	X				
Thallium		X			
Beryllium	X				
Antimony		X			
[redacted]					
[redacted]					
[redacted]					
[redacted]					
[redacted]					

ICP	MS	GF	Result	PQL

DATA REVIEWED BY

DATE:

DATE DUE 12-30

Tier IV DELIVERABLES

MERCURY WORKSHEET

CLIENT E & E

LAB REPORT NO. 45227 19/5

ANALYST IC

DATE SAMPLED 12-13

DATE PREP'D 12-27

DATE ANALYZED

Date Rec'd 12-16-97

Sample No.	1	2	3	4
Client ID	T41202 10	11	12	21
Matrix	W			
Sample Wt. / Vol.	100 mL			
Final Volume	100ml			
Dilution				
% Solids	n/a			
Instrument Reading	-0.0253	0.0155	-0.0021	-0.0201
PQL	0.0002			
Mercury	ND			
Units	mg/l			

Sample No.	5	5MS	5MSD	MB
Client ID	T41202 17			
Matrix	W			
Sample Wt./ Vol.	100 mL			
Final Volume	100ml			
Dilution				
% Solids	n/a			
Instrument Reading	0.0038	1.909	1.876	-0.0197
PQL	0.0002			
Mercury	ND	0.0019	0.0019	ND
Units	mg/l			

DATA REVIEWED BY : _____ DATE: _____

Calculation: (Inst. Reading) (Final Volume) (Dilution) / (Sample vol. or wt.) (% solids)

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.:45227_

SOW No.: ILM02.1

EPA Sample No.	Lab Sample ID
_20201_____	_45227-7_____
_20207_____	_45227-8_____

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES

If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20201

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.: 45227_

Matrix (soil/water): SOIL_ Lab Sample ID: 45227-7

Level (low/med): LOW__ Date Received: 12/16/94

% Solids: _68.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_	0.41	U		M_
7440-38-2	Arsenic__	1.8			M_
7440-39-3	Barium___				NR
7440-41-7	Beryllium	0.44	U		P_
7440-43-9	Cadmium__	3.7			P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	11.7			P_
7440-48-4	Cobalt___				NR
7440-50-8	Copper___	13.6			P_
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	31.7			M_
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.06	U		AV
7440-02-0	Nickel___	7.3			P_
7440-09-7	Potassium				NR
7782-49-2	Selenium_	0.34	U		M_
7440-22-4	Silver___	1.2	U		P_
7440-23-5	Sodium___				NR
7440-28-0	Thallium_	0.39	B		M_
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____	230			P_
0000-00-0	Silicon__				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

20207

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.: 45227_

Matrix (soil/water): SOIL_ Lab Sample ID: 45227-8

Level (low/med): LOW__ Date Received: 12/16/94

% Solids: _63.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_	0.42	B		M_
7440-38-2	Arsenic__	2.0			M_
7440-39-3	Barium___				NR
7440-41-7	Beryllium	0.42	U		P_
7440-43-9	Cadmium__	3.5			P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	15.9			P_
7440-48-4	Cobalt___				NR
7440-50-8	Copper___	22.6			P_
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	119			M_
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__	0.09	B		AV
7440-02-0	Nickel___	10.5			P_
7440-09-7	Potassium				NR
7782-49-2	Selenium_	0.33	U		M_
7440-22-4	Silver___	1.1	U		P_
7440-23-5	Sodium___				NR
7440-28-0	Thallium_	0.13	U		M_
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____	158			P_
0000-00-0	Silicon__				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM02.1

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2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.: 45227_

Initial Calibration Source: ENVIR.RESOUR

Continuing Calibration Source: LEEMAN LABS_

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony	11.2	11.44	102.1	50.0	47.95	95.9	48.29	96.6	M
Arsenic	11.0	11.68	106.2	50.0	50.69	101.4	49.68	99.4	M
Barium									NR
Beryllium	1000.0	989.80	99.0	500.0	511.30	102.3	513.30	102.7	P
Cadmium	1000.0	971.00	97.1	500.0	503.30	100.7	501.40	100.3	P
Calcium									NR
Chromium	1000.0	1013.00	101.3	500.0	533.10	106.6	530.30	106.1	P
Cobalt									NR
Copper	1000.0	990.20	99.0	500.0	518.50	103.7	517.00	103.4	P
Iron									NR
Lead	10.1	10.09	99.9	50.0	47.60	95.2	48.02	96.0	M
Magnesium									NR
Manganese									NR
Mercury	4.0	4.45	111.2	5.0	5.65	113.0	5.64	112.8	AV
Nickel	1000.0	992.20	99.2	500.0	508.70	101.7	521.40	104.3	P
Potassium									NR
Selenium	97.8	105.58	108.0	50.0	51.68	103.4	51.27	102.5	M
Silver	1000.0	961.20	96.1	500.0	532.30	106.5	530.60	106.1	P
Sodium									NR
Thallium	9.8	9.52	97.1	50.0	47.78	95.6	47.82	95.6	M
Vanadium									NR
Zinc	1000.0	985.40	98.5	500.0	531.10	106.2	527.50	105.5	P
Silicon									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

3
BLANKS

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.: 45227_

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	3.0	U	3.0	U	3.0	U			0.300	U	M
Arsenic	1.0	U	1.0	U	1.0	U			0.100	U	M
Barium											NR
Beryllium	3.2	U	3.2	U	3.2	U			0.320	U	P
Cadmium	4.8	U	4.8	U	4.8	U			0.480	U	P
Calcium											NR
Chromium	7.7	U	7.7	U	7.7	U			0.770	U	P
Cobalt											NR
Copper	-13.7	B	8.2	U	8.2	U			0.820	U	P
Iron											NR
Lead	0.5	U	0.5	U	0.5	U			0.050	U	M
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U			0.050	U	AV
Nickel	36.2	U	36.2	U	36.2	U			3.620	U	P
Potassium											NR
Selenium	2.5	U	2.5	U	2.5	U			0.250	U	M
Silver	8.4	U	8.4	U	8.4	U			0.840	U	P
Sodium											NR
Thallium	1.0	U	1.0	U	1.0	U			0.100	U	M
Vanadium											NR
Zinc	14.3	U	14.3	U	14.3	U			1.430	U	P
Silicon											NR

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4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No: 45227_ SDG No.: 45227_

ICP ID Number: PS3000_____ ICS Source: PLASMA CHEM_

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	488600	502500.0	100.5	535900	534100.0	106.8
Antimony	60		13			111		
Arsenic								
Barium	5	500	2	467.4	93.5	5	478.9	95.8
Beryllium	5	500	0	440.5	88.1	2	451.1	90.2
Cadmium	18	1000	3	866.2	86.6	9	881.4	88.1
Calcium	500000	500000	408300	416300.0	83.3	426200	435000.0	87.0
Chromium	10	500	-5	442.7	88.5	-5	448.1	89.6
Cobalt	50	500	3	453.3	90.7	7	457.3	91.5
Copper	2	500	-25	426.5	85.3	-7	448.7	89.7
Iron	200000	200000	168600	171400.0	85.7	174600	177100.0	88.5
Lead	42	1000	28	864.3	86.4	50	850.2	85.0
Magnesium	500000	500000	480700	489600.0	97.9	499300	508400.0	101.7
Manganese	15		5			31		
Mercury								
Nickel	40	1000	27	885.4	88.5	30	893.1	89.3
Potassium								
Selenium	100		-333			205		
Silver	10	1000	4	1052.0	105.2	8	877.8	87.8
Sodium								
Thallium	150		-102			-5		
Vanadium	50		5			12		
Zinc	4	1000	0	913.3	91.3	0	927.3	92.7

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4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No: 45227_ SDG No.: 45227_

ICP ID Number: ELAN 5000___ ICS Source: PLASMA CHEM_

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum								
Antimony								
Arsenic	10	100	0	101.8	101.8	0	99.3	99.3
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	3		0			0		
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

20207

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E

Lab Code: SAS Case No.: SAS No.: 45227 SDG No.: 45227

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 63.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic	75-125	413.9392		1.9885		531.02	77.6		M
Barium									NR
Beryllium	75-125	12.2400		0.4248	U	13.28	92.2		P
Cadmium	75-125	13.8065		3.4914		13.28	77.7		P
Calcium									NR
Chromium	75-125	63.8549		15.8642		53.10	90.4		P
Cobalt									NR
Copper	75-125	82.2149		22.5550		66.38	89.9		P
Iron									NR
Lead	75-125	248.4979		118.8764		132.75	97.6		M
Magnesium									NR
Manganese									NR
Mercury	75-125	1.3340		0.0907	B	1.26	98.7		AV
Nickel	75-125	129.7941		10.5009		132.75	89.9		P
Potassium									NR
Selenium	75-125	442.6514		0.3319	U	531.02	83.4		M
Silver	75-125	11.7621		1.1151	U	13.28	88.6		P
Sodium									NR
Thallium	75-125	429.4370		0.1328	U	531.02	80.9		M
Vanadium									NR
Zinc	75-125	269.3589		157.9779		132.75	83.9		P
Silicon									NR

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

20207

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E

Lab Code: SAS Case No.: SAS No.: 45227 SDG No.: 45227

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 63.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic	75-125	446.7528		1.9885		574.47	77.4		M
Barium									NR
Beryllium	75-125	13.2989		0.4248	U	14.36	92.6		P
Cadmium	75-125	15.6973		3.4914		14.36	85.0		P
Calcium									NR
Chromium	75-125	66.7816		15.8642		57.45	88.6		P
Cobalt									NR
Copper	75-125	86.0405		22.5550		71.81	88.4		P
Iron									NR
Lead	75-125	255.6140		118.8764		143.62	95.2		M
Magnesium									NR
Manganese									NR
Mercury	75-125	1.1796		0.0907	B	1.17	93.1		AV
Nickel	75-125	138.3168		10.5009		143.62	89.0		P
Potassium									NR
Selenium	75-125	487.6346		0.3319	U	574.47	84.9		M
Silver	75-125	12.8249		1.1151	U	14.36	89.3		P
Sodium									NR
Thallium	75-125	465.0783		0.1328	U	574.47	81.0		M
Vanadium									NR
Zinc	75-125	280.7698		157.9779		143.62	85.5		P
Silicon									NR

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

20207

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.: 45227_

Matrix (soil/water): SOIL_ Level (low/med): _LOW__

% Solids for Sample: _63.3 % Solids for Duplicate: __63.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		0.4188	B	0.3983	U	200.0		M
Arsenic	0.7	1.9885		1.8523		7.1		M
Barium								NR
Beryllium		0.4248	U	0.4248	U			P
Cadmium	0.7	3.4914		3.0268		14.3		P
Calcium								NR
Chromium		15.8642		14.6561		7.9		P
Cobalt								NR
Copper		22.5550		21.8912		3.0		P
Iron								NR
Lead		118.8764		117.3575		1.3		M
Magnesium								NR
Manganese								NR
Mercury		0.0907	B	0.0878	B	3.2		AV
Nickel	5.3	10.5009		8.9609		15.8		P
Potassium								NR
Selenium		0.3319	U	0.3319	U			M
Silver		1.1151	U	1.1151	U			P
Sodium								NR
Thallium		0.1328	U	0.1328	U			M
Vanadium								NR
Zinc		157.9779		156.7831		0.8		P
Silicon								NR

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7
LABORATORY CONTROL SAMPLE

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.: 45227_

Solid LCS Source: ENVIR.RESOUR

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony				29.8	91.2	B	13.0	130.0	306.0
Arsenic				150.0	150.9		75.0	224.0	100.6
Barium									
Beryllium				87.7	85.4		53.0	132.0	97.4
Cadmium				79.1	83.1		40.0	126.0	105.1
Calcium									
Chromium				66.2	63.2		30.0	93.0	95.5
Cobalt									
Copper				34.8	35.6		17.0	52.0	102.3
Iron									
Lead				101.0	112.9		45.0	146.0	111.8
Magnesium									
Manganese									
Mercury				25.9	35.1		14.0	40.0	135.5
Nickel				168.0	161.9		84.0	261.0	96.4
Potassium									
Selenium				73.5	74.4		37.0	118.0	101.2
Silver				88.1	70.5		44.0	123.0	80.0
Sodium									
Thallium				77.1	88.6		39.0	116.0	114.9
Vanadium									
Zinc				246.0	246.5		135.0	369.0	100.2
Silicon									

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9
ICP SERIAL DILUTION

EPA SAMPLE NO.

20207

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.: 45227_

Matrix (soil/water): SOIL_ Level (low/med): LOW__

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony	3.15	B	15.00	U	100.0		P
Arsenic	14.98		26.75		78.6		P
Barium							NR
Beryllium	3.20	U	16.00	U			P
Cadmium	26.30		28.00		6.5		P
Calcium							NR
Chromium	119.50		114.00		4.6		P
Cobalt							NR
Copper	169.90		174.00		2.4		P
Iron							NR
Lead	895.46		1077.94		20.4	E	P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel	79.10		181.00	U	100.0		P
Potassium							NR
Selenium	2.50	U	12.50	U			P
Silver	8.40	U	42.00	U			P
Sodium							NR
Thallium	1.00	U	5.00	U			P
Vanadium							NR
Zinc	1190.00		1288.00		8.2		P

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10
Instrument Detection Limits (Quarterly)

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.: 45227_

ICP ID Number: PS3000_____ Date: 09/15/94

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.22		200	152.4	P
Antimony	206.83		60	57.3	P
Arsenic			5		NR
Barium	455.50		200	4.1	P
Beryllium	313.04		5	3.2	P
Cadmium	226.50		5	4.8	P
Calcium	317.93		5000	343.5	P
Chromium	267.72		10	7.7	P
Cobalt	228.52		50	46.0	P
Copper	324.75		25	8.2	P
Iron	259.94		100	84.2	P
Lead	220.35		5	45.5	P
Magnesium	279.55		5000	82.2	P
Manganese	257.61		15	8.9	P
Mercury			0.2		NR
Nickel	231.60		40	36.2	P
Potassium			5000		NR
Selenium	196.03		5	149.4	P
Silver	328.07		10	8.4	P
Sodium			5000		NR
Thallium	190.80		10	147.9	P
Vanadium	310.23		50	48.5	P
Zinc	231.86		20	14.3	P

Comments:

U.S. EPA - CLP

10
Instrument Detection Limits (Quarterly)

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.: 45227_

ICP ID Number: _____ Date: 09/15/94

Flame AA ID Number : PS200_____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			5		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			5		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	253.65		0.2	0.1	AV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

U.S. EPA - CLP

10
Instrument Detection Limits (Quarterly)

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.: 45227_

ICP ID Number: ELAN_5000___ Date: 09/15/94

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60	3.0	P
Arsenic			5	1.0	P
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			5	0.5	P
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium			5	2.5	P
Silver			10		NR
Sodium			5000		NR
Thallium			10	1.0	P
Vanadium			50		NR
Zinc			20		NR

Comments:

U.S. EPA - CLP

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.: 45227_

ICP ID Number: PS3000_____ Date: 01/15/94

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	___
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	
Arsenic	193.70	0.0000000	0.0000000	0.0000000	0.0000000	
Barium	455.50	0.0000000	0.0000000	0.0000000	0.0000000	
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	
Cobalt	228.52	0.0000000	0.0000000	0.0000000	0.0000000	
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	
Magnesium	279.55	0.0000000	0.0000000	0.0000000	0.0000000	
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	
Selenium	196.03	0.0000000	0.0000000	0.0000000	0.0000000	
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	
Thallium	190.80	0.0000000	0.0000000	0.0000000	0.0000000	
Vanadium	310.23	0.0000000	0.0000000	0.0000000	0.0000000	
Zinc	231.86	0.0000000	0.0000000	0.0000000	0.0000000	

Comments:

U.S. EPA - CLP

12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.: 45227_

ICP ID Number: PS3000_____ Date: 09/15/94

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Aluminum	5.00	150000.0	P
Antimony	5.00	100000.0	P
Arsenic	5.00	250000.0	P
Barium	5.00	100000.0	P
Beryllium	5.00	100000.0	P
Cadmium	5.00	100000.0	P
Calcium	5.00	750000.0	P
Chromium	5.00	750000.0	P
Cobalt	5.00	100000.0	P
Copper	5.00	750000.0	P
Iron	5.00	500000.0	P
Lead	5.00	500000.0	P
Magnesium	5.00	750000.0	P
Manganese	5.00	500000.0	P
Mercury			NR
Nickel	5.00	750000.0	P
Potassium	5.00	500000.0	P
Selenium	5.00	100000.0	P
Silver	5.00	250000.0	P
Sodium	5.00	100000.0	P
Thallium	5.00	100000.0	P
Vanadium	5.00	100000.0	P
Zinc	5.00	750000.0	P

Comments:

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.:_____ SAS No.: 45227_ SDG No.:45227_

Method: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
20201	12/21/94	1.07	100
20207	12/21/94	1.19	100
20207	12/21/94	1.19	100
20207	12/21/94	1.19	100
20207	12/21/94	1.10	100
LCSS	12/21/94	1.00	100
SOIL PR	12/21/94	1.00	100

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.:_____ SAS No.: 45227_ SDG No.:45227_

Method: AV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
20201	12/21/94	0.24	100
20207	12/21/94	0.23	100
20207	12/21/94	0.27	100
20207	12/21/94	0.25	100
20207	12/21/94	0.27	100
LCSS	12/21/94	0.24	100
SOIL PR	12/21/94	0.20	100

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.:45227_

Instrument ID Number: PS3000_____ Method: P_

Start Date: 12/27/94 End Date: 12/27/94

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SI
ICV	1.00	0857						X	X		X		X						X							X	
ICV	1.00	0907																				X					
ICB	1.00	0930						X	X		X		X						X			X				X	
ICSA	1.00	0936						X	X		X		X						X			X				X	
ICSAB	1.00	0939						X	X		X		X						X			X				X	
CCB	1.00	1449						X	X		X		X						X			X				X	
CCV	1.00	1452						X	X		X		X						X			X				X	
SOIL PRE	1.00	1455						X	X		X		X						X			X				X	
20201	1.00	1458						X	X		X		X						X			X				X	
20207	1.00	1501						X	X		X		X						X			X				X	
20207	1.00	1504						X	X		X		X						X			X				X	
20207	1.00	1507						X	X		X		X						X			X				X	
20207	1.00	1510						X	X		X		X						X			X				X	
20207	1.00	1513						X	X		X		X						X			X				X	
20207	1.00	1517						X	X		X		X						X			X				X	
LCSS	1.00	1520						X	X		X		X						X			X				X	
CCB	1.00	1523						X	X		X		X						X			X				X	
CCV	1.00	1526						X	X		X		X						X			X				X	
ICSA	1.00	1623						X	X		X		X						X			X				X	
ICSAB	1.00	1626						X	X		X		X						X			X				X	

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.:45227_

Instrument ID Number: PS200_____ Method: AV

Start Date: 12/28/94 End Date: 12/28/94

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SI
ICV	1.00	0714																X									
ICB	1.00	0717																X									
CCV	1.00	0719																X									
CCB	1.00	0723																X									
ZZZZZZ	1.00	0725																									
CCV	1.00	0842																									
CCB	1.00	0845																									
SOIL PRE	1.00	0847																X									
ZZZZZZ	1.00	0849																									
LCSS	20.00	0852																X									
20201	1.00	0855																X									
20207	1.00	0857																X									
20207	1.00	0859																X									
20207	1.00	0902																X									
20207	1.00	0905																X									
CCV	1.00	0917																X									
CCB	1.00	0925																X									

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14
ANALYSIS RUN LOG

Lab Name: SOUND_ANALYTICAL_SERVICES Contract: E&E_____

Lab Code: SAS___ Case No.: _____ SAS No.: 45227_ SDG No.:45227_

Instrument ID Number: ELAN 5000____ Method: M_

Start Date: 12/22/94 End Date: 12/22/94

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	SI
ZZZZZZ	1.00	0910																									
10ALL	1.00	0915			X	X									X						X			X			
25ALL	1.00	0921			X	X									X						X			X			
50ALL	1.00	0926			X	X									X						X			X			
100ALL	1.00	0932			X	X									X						X			X			
200ALL	1.00	0937			X	X									X						X			X			
ICV	1.00	1314			X	X									X						X			X			
ICB	1.00	1317			X	X									X						X			X			
ICSA	1.00	1320			X	X									X						X			X			
ICSAB	1.00	1324			X	X									X						X			X			
CCV	1.00	1437			X	X									X						X			X			
CCB	1.00	1441			X	X									X						X			X			
SOIL PRE	1.00	1444			X	X									X						X			X			
20201	1.00	1448			X	X									X						X			X			
20207	5.00	1451			X	X									X						X			X			
20207	1.00	1455			X	X									X						X			X			
20207	1.00	1458			X	X									X						X			X			
20207	20.00	1501				X									X						X			X			
20207	20.00	1505				X									X						X			X			
20207	1.00	1508			X	X									X						X			X			
LCSS	20.00	1512			X	X									X						X			X			
CCV	1.00	1515			X	X									X						X			X			
CCB	1.00	1518			X	X									X						X			X			
ICSA	1.00	1522			X	X									X						X			X			
ICSAB	1.00	1525			X	X									X						X			X			

```
Protocol: SIMEPA                                                    Power: 1.0 KW
Mode: Simultaneous Rev: 3.001   Time: 08:43:47  27 Dec 1994   Coolant:  11 LPM
Folder: #122794    Seq: 1       Plasma: On     Print: On      Neb:      46 PSI
User:              Batch:            Id:            Cup: 1 10 Auxil:       LPM
State: Idle        Macro CLPUP       8: F3 Print    Xmit: Off Autosampler: On
```

CALIBRATION: Accepted Values

	Current	Accepted	Type	A	B	C	r
As2	Yes	08:43 27-Dec-94	L		1.59471e-4	-1.90420e-1	.999931
Ba1	Yes	08:43 27-Dec-94	L		4.29281e-7	-8.49888e-3	.999952
Cd3	Yes	08:43 27-Dec-94	L		2.65740e-5	-2.36438e-3	.999873
Cr4	Yes	08:43 27-Dec-94	L		3.87467e-7	-1.09571e-2	.999881
Pb1	Yes	08:43 27-Dec-94	L		3.21902e-5	-2.08479e-1	.999971
Hg9	Yes	08:43 27-Dec-94	L		1.27862e-4	-1.870001	.881512
Se4	Yes	08:43 27-Dec-94	L		5.93169e-4	-1.72632e-1	.999934
Ag1	Yes	08:43 27-Dec-94	L		1.08335e-6	-2.68863e-3	.999922
Cu1	Yes	08:43 27-Dec-94	L		5.90105e-7	-1.60925e-2	.999933
Ni3	Yes	08:43 27-Dec-94	L		6.04634e-6	-5.25994e-2	.999875
Zn1	Yes	08:43 27-Dec-94	L		3.19226e-6	-2.25785e-2	.999903
Be1	Yes	08:43 27-Dec-94	L		1.58848e-7	-1.00668e-2	.999930
Sb1	Yes	08:43 27-Dec-94	L		2.09418e-4	-1.12798e-2	.999915
Tl1	Yes	08:43 27-Dec-94	L		3.46120e-4	5.61516e-2	.999960
Al3	Yes	08:43 27-Dec-94	L		3.71911e-6	-1.28708e-1	.999961

PgDn

Update coefficients

```
Protocol: SIMEPA                                                    Power: 1.0 KW
Mode: Simultaneous Rev: 3.001   Time: 08:43:48  27 Dec 1994   Coolant:  11 LPM
Folder: #122794    Seq: 1       Plasma: On     Print: On      Neb:      46 PSI
User:              Batch:            Id:            Cup: 1 10 Auxil:       LPM
State: Idle        Macro CLPUP      10: F3 Print    Xmit: Off Autosampler: On
```

CALIBRATION: Accepted Values PgUp

	Current	Accepted	Type	A	B	C	r
Co1	Yes	08:43 27-Dec-94	L		4.29958e-6	-4.84268e-3	.999870
Fe2	Yes	08:43 27-Dec-94	L		6.66230e-7	-6.68754e-3	.999917
Mo1	Yes	08:43 27-Dec-94	L		1.20143e-5	-2.64513e-2	.999975
V 2	Yes	08:43 27-Dec-94	L		6.28212e-7	-1.92414e-1	.999880
Na2	Yes	08:43 27-Dec-94	L		1.84751e-5	2.77402e-1	.999981
Ca3	Yes	08:43 27-Dec-94	L		3.52342e-5	-1.40212e-1	.999965
K 1	Yes	08:43 27-Dec-94	L		1.28051e-4	-1.88495e-1	.999938
Mg4	Yes	08:43 27-Dec-94	L		1.32815e-5	-1.01819e-1	.999972
Mn1	Yes	08:43 27-Dec-94	L		2.82948e-7	-1.06015e-1	.999922
Si2	Yes	08:43 27-Dec-94	L		4.85105e-6	-9.47174e-2	.999937
Y 3	Yes	08:43 27-Dec-94	L		4.62122e-7	-9.51279e-2	.999962

Update coefficients

Sound Analytical Services Inc. Folder: #122794 **PUBLIC FOLDER ** Page 1
09:48:01 27 Dec 1994 Protocol: SIMEPA

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 4 Ck4 Seq: 5 08:57:11 27 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
As2		104.0	1.040	1.000	PPM	.0480
Ba1		100.8	1.008	1.000	PPM	.0034
Cd3		97.10	.9710	1.000	PPM	.0158
Cr4		101.3	1.013	1.000	PPM	.0048
Pb1		99.53	.9953	1.000	PPM	.0203
Se4		97.27	9.727	10.00	PPM	.2085
Cu1		99.02	.9902	1.000	PPM	.0044
Ni3		99.22	.9922	1.000	PPM	.0040
Zn1		98.54	.9854	1.000	PPM	.0036
Be1		98.98	.9898	1.000	PPM	.0024
Sb1		108.2	1.082	1.000	PPM	.0928
Al3		108.0	10.80	10.00	PPM	.0077
Co1		102.9	1.029	1.000	PPM	.0039
Fe2		100.8	10.08	10.00	PPM	.0220
Mo1		106.3	1.063	1.000	PPM	.0107
V 2		96.34	.9634	1.000	PPM	.0071
Na2		99.67	9.967	10.00	PPM	.0957
Ca3		94.52	9.452	10.00	PPM	.0379
Mg4		98.51	9.851	10.00	PPM	.0298
Mn1		97.27	.9727	1.000	PPM	.0008

*** Check Standard: 5 Ck5 Seq: 7 09:07:20 27 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Ag1		96.12	.9612	1.000	PPM	.0080
Tl1		104.9	1.049	1.000	PPM	.0685

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1 Seq: 12 09:30:38 27 Dec 1994 ICP

Line	Flag	Found	Range(+/-)	Units	SD/RSD
As2		.0391	.1500	PPM	.0455
Ba1		.0001	.1500	PPM	.0002
Cd3		.0026	.1500	PPM	.0050
Cr4		.0002	.1500	PPM	.0015
Pb1		-.0182	.1500	PPM	.0135
Hg9		1.133	10.00	PPM	.2219
Se4		.0125	.1500	PPM	.0492
Ag1		.0010	.1500	PPM	.0012
Cu1		-.0137	.1500	PPM	.0006
Ni3		-.0053	.1500	PPM	.0032
Zn1		.0016	.1500	PPM	.0005
Be1		.0001	.1500	PPM	.0000
Sb1		.0556	.1500	PPM	.0606
Tl1		-.0712	.5000	PPM	.0539
Al3		.0379	.5000	PPM	.0035
Co1		-.0009	.5000	PPM	.0029
Fe2		.0233	.5000	PPM	.0040
Mo1		.0050	.5000	PPM	.0012
V 2		-.0012	.5000	PPM	.0011
Na2		-.0157	.5000	PPM	.0446
Ca3		.0500	.5000	PPM	.0083
K 1		-.0567	.5000	PPM	.0445
Mg4		.0707	.5000	PPM	.0101
Mn1		.0002	.5000	PPM	.0002
Si2		-.0927	.5000	PPM	.0087
Y 3		-.0014	.5000	PPM	.0004

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6 Seq: 13 09:36:49 27 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Ba1		4.567	.0023	.0500	PPM	.0001
Cd3		29.85	.0027	.0090	PPM	.0040
Cr4	L	-128.7	-.0051	.0040	PPM	.0022
Pb1		46.16	.0277	.0600	PPM	.0010
Se4	L	-554.7	-.3328	.0600	PPM	.2313
Ag1		67.82	.0041	.0060	PPM	.0020
Cu1	L	-1262.	-.0252	.0020	PPM	.0004
Ni3		27.26	.0273	.1000	PPM	.0078
Zn1	L	-10.36	-.0001	.0010	PPM	.0019
Be1	L	-172.3	-.0003	.0002	PPM	.0000
Sb1		12.79	.0128	.1000	PPM	.1097
Tl1	L	-102.4	-.1024	.1000	PPM	.0663
Al3		97.72	488.6	500.0	PPM	.8123
Co1		54.99	.0027	.0050	PPM	.0010
Fe2		84.29	168.6	200.0	PPM	.2418
V 2		4.938	.0049	.1000	PPM	.0008
Ca3		81.67	408.3	500.0	PPM	.7876
Mg4		96.14	480.7	500.0	PPM	.5207
Mn1		11.04	.0055	.0500	PPM	.0002

*** Check Standard: 7 Ck7 Seq: 14 09:39:57 27 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Ba1		93.47	.4674	.5000	PPM	.0012
Cd3		86.62	.8662	1.000	PPM	.0235
Cr4		88.53	.4427	.5000	PPM	.0015
Pb1		86.43	.8643	1.000	PPM	.0324
Ag1		105.2	1.052	1.000	PPM	.0336
Cu1		85.31	.4265	.5000	PPM	.0008
Ni3		88.54	.8854	1.000	PPM	.0169
Zn1		91.33	.9133	1.000	PPM	.0056
Be1		88.11	.4405	.5000	PPM	.0008
Al3		100.5	502.5	500.0	PPM	1.390
Co1		90.66	.4533	.5000	PPM	.0032
Fe2		85.68	171.4	200.0	PPM	.2478
V 2		90.15	.4507	.5000	PPM	.0026
Ca3		83.26	416.3	500.0	PPM	.6789
Mg4		97.93	489.6	500.0	PPM	1.285
Mn1		89.32	.4466	.5000	PPM	.0018

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 1 Ck1 Seq: 109 14:49:34 27 Dec 1994 ICP

Line	Flag	Found	Range(+/-)	Units	SD/RSD
As2		.0027	.1500	PPM	.0895
Cd3		-.0027	.1500	PPM	.0029
Cr4		-.0006	.1500	PPM	.0009
Pb1		.0237	.1500	PPM	.0420
Se4		.0162	.1500	PPM	.0872
Ag1		-.0046	.1500	PPM	.0021
Cu1		.0014	.1500	PPM	.0020
Ni3		.0049	.1500	PPM	.0064
Zn1		.0096	.1500	PPM	.0022
Be1		.0001	.1500	PPM	.0001
Sb1		.0348	.1500	PPM	.1495
Tl1		.0592	.5000	PPM	.0885

*** Check Standard: 2 Ck2 Seq: 110 14:52:40 27 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
As2		99.86	4.993	5.000	PPM	.0983
Cd3		100.7	.5033	.5000	PPM	.0104
Cr4		106.6	.5331	.5000	PPM	.0024
Pb1		99.64	4.982	5.000	PPM	.0541
Se4		104.3	5.215	5.000	PPM	.3305
Ag1		106.5	.5323	.5000	PPM	.0068
Cu1		103.7	.5185	.5000	PPM	.0037
Ni3		101.7	.5087	.5000	PPM	.0032
Zn1		106.2	.5311	.5000	PPM	.0004
Be1		102.2	.5112	.5000	PPM	.0029
Sb1		104.2	5.212	5.000	PPM	.1484
Tl1		104.9	5.247	5.000	PPM	.1563

*** Sample ID: METHOD BLK Seq: 111 14:55:45 27 Dec 1994 ICP

As2	-.0199	PPM	.0124	-.0248	-.0059	-.0291
Cd3	-.0022	PPM	.0063	-.0014	.0037	-.0088
Cr4	.0001	PPM	.0021	.0023	-.0001	-.0018
Pb1	-.0033	PPM	.0195	.0179	-.0074	-.0205
Se4	.0912	PPM	.0247	.0757	.0783	.1197
Ag1	-.0036	PPM	.0023	-.0021	-.0062	-.0024
Cu1	.0001	PPM	.0017	.0010	-.0019	.0011
Ni3	.0002	PPM	.0046	.0022	.0035	-.0051
Zn1	.0068	PPM	.0032	.0105	.0048	.0052
Be1	.0007	PPM	.0002	.0010	.0006	.0005
Sb1	-.0100	PPM	.0994	-.0525	-.0810	.1036
Tl1	.0912	PPM	.0312	.0556	.1047	.1134

*** Sample ID: 45227-7 Seq: 112 14:58:49 27 Dec 1994 ICP

Line	Conc.	Units	SD/RSD	1	2	3	4	5
As2	-.0552	PPM	.0622	.0135	-.1077	-.0713		
Cd3	.0268	PPM	.0038	.0237	.0310	.0259		
Cr4	.0849	PPM	.0019	.0863	.0858	.0828		
Pb1	.2400	PPM	.0256	.2130	.2430	.2639		
Se4	.1796	PPM	.0809	.1892	.2553	.0944		
Ag1	-.0057	PPM	.0019	-.0069	-.0035	-.0067		
Cu1	.0986	PPM	.0005	.0989	.0989	.0981		
Ni3	.0528	PPM	.0017	.0529	.0511	.0545		
Zn1	1.672	PPM	.0037	1.675	1.668	1.673		
Be1	.0029	PPM	.0001	.0028	.0029	.0030		
Sb1	.0442	PPM	.0424	-.0044	.0734	.0636		
Tl1	-.0061	PPM	.0568	.0470	-.0660	.0006		

*** Sample ID: 45227-8 Seq: 113 15:01:53 27 Dec 1994 ICP
DIL 1/5

As2	-.0092	PPM	.0205	-.0006	.0056	-.0326		
Cd3	.0056	PPM	.0047	.0049	.0106	.0013		
Cr4	.0228	PPM	.0016	.0244	.0211	.0230		
Pb1	.2080	PPM	.0047	.2098	.2116	.2027		
Se4	.0811	PPM	.0854	.1339	.1268	-.0175		
Ag1	-.0061	PPM	.0004	-.0066	-.0060	-.0058		
Cu1	.0348	PPM	.0011	.0346	.0360	.0338		
Ni3	.0190	PPM	.0013	.0185	.0180	.0204		
Zn1	.2576	PPM	.0085	.2656	.2585	.2487		
Be1	.0005	PPM	.0000	.0005	.0005	.0005		
Sb1	.0126	PPM	.1096	-.0072	.1306	-.0858		
Tl1	.0145	PPM	.0788	.0892	.0221	-.0678		

*** Sample ID: 45227-8 Seq: 114 15:04:56 27 Dec 1994 ICP

As2	-.0489	PPM	.0538	.0074	-.0543	-.0999		
Cd3	.0263	PPM	.0033	.0225	.0288	.0275		
Cr4	.1195	PPM	.0017	.1179	.1192	.1213		
Pb1	1.065	PPM	.0180	1.059	1.085	1.051		
Se4	.2905	PPM	.0747	.2059	.3181	.3475		
Ag1	-.0085	PPM	.0020	-.0083	-.0106	-.0065		
Cu1	.1699	PPM	.0011	.1703	.1709	.1686		
Ni3	.0791	PPM	.0055	.0807	.0729	.0836		
Zn1	1.190	PPM	.0120	1.189	1.203	1.179		
Be1	.0026	PPM	.0001	.0027	.0026	.0025		
Sb1	.0275	PPM	.0316	.0031	.0164	.0632		
Tl1	-.1953	PPM	.0281	-.2250	-.1691	-.1918		

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 45227-8D				Seq: 115		15:07:57 27 Dec 1994 ICP		
As2	-.0405	PPM	.0440	.0067	-.0803	-.0479		
Cd3	.0227	PPM	.0042	.0275	.0193	.0215		
Cr4	.1104	PPM	.0025	.1133	.1096	.1085		
Pb1	1.079	PPM	.0447	1.072	1.127	1.039		
Se4	.1092	PPM	.1227	-.0137	.2318	.1094		
Ag1	-.0082	PPM	.0023	-.0107	-.0061	-.0079		
Cu1	.1649	PPM	.0020	.1644	.1631	.1671		
Ni3	.0675	PPM	.0062	.0621	.0662	.0743		
Zn1	1.181	PPM	.0010	1.182	1.180	1.181		
Be1	.0026	PPM	.0000	.0026	.0026	.0025		
Sb1	-.0262	PPM	.0781	-.0700	.0640	-.0725		
Tl1	-.1434	PPM	.1224	-.0576	-.2836	-.0891		
*** Sample ID: 45227-8S				Seq: 116		15:10:58 27 Dec 1994 ICP		
As2	3.517	PPM	.0582	3.562	3.538	3.451		
Cd3	.1040	PPM	.0058	.0993	.1022	.1105		
Cr4	.4810	PPM	.0017	.4800	.4830	.4800		
Pb1	1.885	PPM	.0206	1.901	1.893	1.862		
Se4	3.746	PPM	.3326	3.781	4.060	3.397		
Ag1	.0886	PPM	.0011	.0898	.0881	.0878		
Cu1	.6193	PPM	.0052	.6213	.6232	.6133		
Ni3	.9777	PPM	.0154	.9621	.9929	.9780		
Zn1	2.029	PPM	.0045	2.031	2.033	2.024		
Be1	.0921	PPM	.0002	.0922	.0924	.0919		
Sb1	.6169	PPM	.0291	.5955	.6501	.6051		
Tl1	3.389	PPM	.3087	3.240	3.744	3.183		
*** Sample ID: 45227-8SD				Seq: 117		15:13:59 27 Dec 1994 ICP		
As2	3.523	PPM	.0329	3.554	3.488	3.526		
Cd3	.1093	PPM	.0060	.1140	.1114	.1026		
Cr4	.4650	PPM	.0013	.4640	.4664	.4646		
Pb1	1.808	PPM	.0221	1.799	1.834	1.793		
Se4	3.956	PPM	.1222	3.815	4.033	4.019		
Ag1	.0893	PPM	.0017	.0905	.0873	.0900		
Cu1	.5991	PPM	.0024	.5990	.6015	.5968		
Ni3	.9631	PPM	.0059	.9689	.9572	.9632		
Zn1	1.955	PPM	.0028	1.953	1.958	1.954		
Be1	.0926	PPM	.0002	.0925	.0928	.0925		
Sb1	.7169	PPM	.2863	.8640	.8998	.3870		
Tl1	3.523	PPM	.1397	3.390	3.510	3.668		

*** Sample ID: 45227-8PS Seq: 118 15:17:01 27 Dec 1994 ICP

Line	Conc.	Units	SD/RSD	1	2	3	4	5
As2	5.505	PPM	.1150	5.405	5.631	5.480		
Cd3	.1755	PPM	.0086	.1659	.1786	.1822		
Cr4	.7376	PPM	.0036	.7383	.7408	.7338		
Pb1	2.496	PPM	.0121	2.508	2.484	2.496		
Se4	6.225	PPM	.1817	6.200	6.418	6.058		
Ag1	.0063	PPM	.0014	.0047	.0073	.0069		
Cu1	1.092	PPM	.0098	1.089	1.103	1.084		
Ni3	1.617	PPM	.0187	1.604	1.638	1.607		
Zn1	2.758	PPM	.0200	2.749	2.781	2.744		
Be1	.1469	PPM	.0014	.1466	.1484	.1456		
Sb1	1.443	PPM	.0776	1.514	1.455	1.360		
Tl1	5.853	PPM	.0818	5.770	5.857	5.933		

*** Sample ID: SOIL-ERA Seq: 119 15:20:03 27 Dec 1994 ICP

Line	Conc.	Units	SD/RSD	1	2	3	4	5
As2	1.485	PPM	.0580	1.547	1.433	1.473		
Cd3	.8313	PPM	.0113	.8183	.8386	.8371		
Cr4	.6320	PPM	.0010	.6328	.6309	.6323		
Pb1	.9143	PPM	.0156	.8963	.9245	.9221		
Se4	.9127	PPM	.1464	1.017	.9758	.7454		
Ag1	.7053	PPM	.0047	.7107	.7035	.7018		
Cu1	.3561	PPM	.0043	.3610	.3532	.3540		
Ni3	1.619	PPM	.0083	1.618	1.628	1.611		
Zn1	2.465	PPM	.0094	2.474	2.465	2.455		
Be1	.8544	PPM	.0045	.8594	.8505	.8533		
Sb1	.8227	PPM	.0396	.8511	.7774	.8396		
Tl1	.7309	PPM	.1219	.8712	.6691	.6523		

*** Check Standard: 1 Ck1 Seq: 120 15:23:06 27 Dec 1994 ICP

Line	Flag	Found	Range(+/-)	Units	SD/RSD
As2		.0287	.1500	PPM	.0498
Cd3		.0014	.1500	PPM	.0075
Cr4		.0005	.1500	PPM	.0013
Pb1		-.0278	.1500	PPM	.0091
Se4		.1258	.1500	PPM	.1096
Ag1		-.0050	.1500	PPM	.0019
Cu1		-.0002	.1500	PPM	.0012
Ni3		.0009	.1500	PPM	.0016
Zn1		.0092	.1500	PPM	.0010
Be1		.0013	.1500	PPM	.0003
Sb1		.0477	.1500	PPM	.0289
Tl1		-.0784	.5000	PPM	.0658

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2 Ck2 Seq: 121 15:26:11 27 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
As2		101.8	5.090	5.000	PPM	.0885
Cd3		100.3	.5014	.5000	PPM	.0173
Cr4		106.1	.5303	.5000	PPM	.0007
Pb1		101.1	5.053	5.000	PPM	.0208
Se4		108.7	5.435	5.000	PPM	.3939
Ag1		106.1	.5306	.5000	PPM	.0010
Cu1		103.4	.5170	.5000	PPM	.0034
Ni3		104.3	.5214	.5000	PPM	.0030
Zn1		105.5	.5275	.5000	PPM	.0020
Be1		102.7	.5133	.5000	PPM	.0010
Sb1		104.2	5.212	5.000	PPM	.1075
Tl1		104.2	5.212	5.000	PPM	.0855

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6 Seq: 210 20:35:26 27 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Ba1		5.024	.0025	.0500	PPM	.0002
Cd3	L	-34.09	-.0031	.0090	PPM	.0084
Cr4	L	-129.6	-.0052	.0040	PPM	.0017
Pb1		48.03	.0288	.0600	PPM	.0162
Se4	L	-142.8	-.0857	.0600	PPM	.1985
Ag1		111.8	.0067	.0060	PPM	.0005
Cu1	L	-397.9	-.0080	.0020	PPM	.0013
Ni3		24.79	.0248	.1000	PPM	.0083
Zn1	L	-504.3	-.0050	.0010	PPM	.0023
Be1	L	-104.6	-.0002	.0002	PPM	.0001
Sb1		42.38	.0424	.1000	PPM	.2685
Tl1		4.295	.0043	.1000	PPM	.0608
Al3		100.6	502.8	500.0	PPM	7.832
Co1		142.5	.0071	.0050	PPM	.0020
Fe2		83.41	166.8	200.0	PPM	.9928
V 2	L	-8.390	-.0084	.1000	PPM	.0019
Ca3		80.67	403.4	500.0	PPM	.3304
Mg4		94.82	474.1	500.0	PPM	1.444
Mn1		15.20	.0076	.0500	PPM	.0007

*** Check Standard: 7 Ck7 Seq: 211 20:38:33 27 Dec 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Ba1		90.73	.4537	.5000	PPM	.0062
Cd3		83.49	.8349	1.000	PPM	.0188
Cr4		84.47	.4224	.5000	PPM	.0018
Pb1		85.35	.8535	1.000	PPM	.0106
Ag1		79.46	.7946	1.000	PPM	.0028
Cu1		84.41	.4220	.5000	PPM	.0060
Ni3		85.34	.8534	1.000	PPM	.0046
Zn1		87.49	.8749	1.000	PPM	.0130
Be1		85.58	.4279	.5000	PPM	.0032
Al3		102.2	510.8	500.0	PPM	5.971
Co1		86.88	.4344	.5000	PPM	.0033
Fe2		85.12	170.2	200.0	PPM	1.099
V 2		83.05	.4153	.5000	PPM	.0073
Ca3		82.69	413.5	500.0	PPM	1.068
Mg4		96.91	484.6	500.0	PPM	1.724
Mn1		85.63	.4281	.5000	PPM	.0017

*** Peak Seq: 212 20:41:19 27 Dec 1994

XAp = 231 YAp = 130 Intensity = 1512565

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	1%ALL
Sample Description:	
Sample Type:	Blank
Sequence Number:	002
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	09:10:20 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	195	14.8700		
Se 82	0	10.1645		
Y 89	192366	1657.2834		
In 115	206337	3640.9392		
Sb 121	229	29.9092		
Tb 159	299793	5267.1768		
Tl 203	149	24.7309		
Pb 208	848	68.1556		

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		1.013E-03	7.730E-05				
Se 82		9.855E-07	5.284E-05				
Y 89	<	192366	1657.2834			ions/sec	
In 115	<	206337	3640.9392			ions/sec	
Sb 121		1.111E-03	1.450E-04				
Tb 159	<	299793	5267.1768			ions/sec	
Tl 203		4.975E-04	8.249E-05				
Pb 208		2.830E-03	2.273E-04				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	10ALL
Sample Description:	
Sample Type:	Standard
Sequence Number:	003
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	09:15:46 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	3299	88.7767	195	14.8700
Se 82	263	7.8651	0	10.1645
Y 89	193557	2203.0034	192366	1657.2834
In 115	205409	900.4863	206337	3640.9392
Sb 121	11216	588.2261	229	29.9092
Tb 159	300743	3078.0771	299793	5267.1768
Tl 203	14963	193.7358	149	24.7309
Pb 208	49483	568.2662	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.0160	4.651E-04	10.0000	0.2902	PPB	2.9018
Se 82	]	1.355E-03	6.666E-05	10.0000	0.4918	PPB	4.9176
Y 89	<	193557	2203.0034			ions/sec	
In 115	<]	205409	900.4863			ions/sec	
Sb 121	]	0.0535	2.867E-03	10.0000	0.5360	PPB	5.3602
Tb 159	<]	300743	3078.0771			ions/sec	
Tl 203	]	0.0493	6.495E-04	10.0000	0.1319	PPB	1.3185
Pb 208	]	0.1617	1.903E-03	10.0000	0.1177	PPB	1.1769

Entered Conc.

QUANTITATIVE ANALYSIS: SUMMARY REPORT

		Entered Conc.
As 75	]	10.0000
Se 82	]	10.0000
Y 89	<	
In 115	<]	
Sb 121		10.0000
Tb 159	<]	
Tl 203	]	10.0000
Pb 208	]	10.0000

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	25ALL
Sample Description:	
Sample Type:	Standard
Sequence Number:	004
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	09:21:12 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	7665	318.6339	195	14.8700
Se 82	656	15.9453	0	10.1645
Y 89	193420	3624.4058	192366	1657.2834
In 115	203396	5083.1572	206337	3640.9392
Sb 121	26844	330.4287	229	29.9092
Tb 159	304035	1457.5045	299793	5267.1768
Tl 203	35829	747.3262	149	24.7309
Pb 208	115974	864.5741	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	┐	0.0386	1.649E-03	24.8706	1.0622	PPB	4.2708
Se 82	│	3.392E-03	9.792E-05	25.0031	0.7218	PPB	2.8870
Y 89	< ┘	193420	3624.4058			ions/sec	
In 115	<┐	203396	5083.1572			ions/sec	
Sb 121	┘	0.1309	1.631E-03	24.9247	0.3106	PPB	1.2463
Tb 159	<┐	304035	1457.5045			ions/sec	
Tl 203	│	0.1173	2.459E-03	24.8310	0.5204	PPB	2.0958
Pb 208	┘	0.3786	2.853E-03	24.7686	0.1866	PPB	0.7535

Entered Conc.

QUANTITATIVE ANALYSIS: SUMMARY REPORT

	Entered Conc.
As 75	25.0000
Se 82	25.0000
Y 89	
In 115	
Sb 121	25.0000
Tb 159	
Tl 203	25.0000
Pb 208	25.0000

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	50ALL
Sample Description:	
Sample Type:	Standard
Sequence Number:	005
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	09:26:38 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	15186	334.3896	195	14.8700
Se 82	1324	10.8007	0	10.1645
Y 89	196471	2510.5183	192366	1657.2834
In 115	207020	2483.4255	206337	3640.9392
Sb 121	54924	776.2444	229	29.9092
Tb 159	300599	5850.3550	299793	5267.1768
Tl 203	72450	632.2562	149	24.7309
Pb 208	238501	3218.2957	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.0763	1.704E-03	49.8014	1.1123	PPB	2.2336
Se 82	]	6.738E-03	7.625E-05	49.9258	0.5650	PPB	1.1316
Y 89	<]	196471	2510.5183			ions/sec	
In 115	<]	207020	2483.4255			ions/sec	
Sb 121	]	0.2642	3.752E-03	50.0711	0.7112	PPB	1.4203
Tb 159	<]	300599	5850.3550			ions/sec	
Tl 203	]	0.2405	2.105E-03	50.1983	0.4393	PPB	0.8752
Pb 208	]	0.7906	0.0107	50.3764	0.6824	PPB	1.3545

Entered Conc.

QUANTITATIVE ANALYSIS: SUMMARY REPORT

		Entered Conc.
As 75	]	50.0000
Se 82	]	50.0000
Y 89	<	
In 115	<	
Sb 121	]	50.0000
Tb 159	<	
Tl 203	]	50.0000
Pb 208	]	50.0000

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	100ALL
Sample Description:	
Sample Type:	Standard
Sequence Number:	006
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	09:32:04 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	30737	657.7341	195	14.8700
Se 82	2676	56.5969	0	10.1645
Y 89	195382	3141.4802	192366	1657.2834
In 115	204203	3568.4753	206337	3640.9392
Sb 121	109547	84.5755	229	29.9092
Tb 159	302727	3470.6086	299793	5267.1768
Tl 203	144825	2682.6528	149	24.7309
Pb 208	470342	4925.4375	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.1563	3.367E-03	100.4923	2.1649	PPB	2.1543
Se 82	]	0.0137	2.945E-04	100.3566	2.1576	PPB	2.1500
Y 89	<]	195382	3141.4802			ions/sec	
In 115	<]	204203	3568.4753			ions/sec	
Sb 121	]	0.5354	4.388E-04	100.3524	0.0823	PPB	0.0820
Tb 159	<]	302727	3470.6086			ions/sec	
Tl 203	]	0.4779	8.862E-03	99.9369	1.8532	PPB	1.8544
Pb 208	]	1.5509	0.0163	99.7098	1.0462	PPB	1.0492

Entered Conc.

QUANTITATIVE ANALYSIS: SUMMARY REPORT

		Entered Conc.
As 75		100.0000
Se 82		100.0000
Y 89	<	
In 115	<	
Sb 121		100.0000
Tb 159	<	
Tl 203		100.0000
Pb 208		100.0000

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	200ALL
Sample Description:	
Sample Type:	Standard
Sequence Number:	007
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	09:37:30 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	60624	1584.8904	195	14.8700
Se 82	5252	174.3093	0	10.1645
Y 89	197653	5086.6084	192366	1657.2834
In 115	204194	4975.1172	206337	3640.9392
Sb 121	219150	5377.1753	229	29.9092
Tb 159	304729	4488.3994	299793	5267.1768
Tl 203	284446	5391.2666	149	24.7309
Pb 208	936085	1.824E+04	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		0.3057	8.019E-03	199.1301	5.2234	PPB	2.6231
Se 82		0.0266	8.835E-04	198.6560	6.6054	PPB	3.3250
Y 89	<	197653	5086.6084			ions/sec	
In 115	<	204194	4975.1172			ions/sec	
Sb 121		1.0721	0.0263	200.2407	4.9184	PPB	2.4562
Tb 159	<	304729	4488.3994			ions/sec	
Tl 203		0.9329	0.0177	198.7577	3.7692	PPB	1.8964
Pb 208		3.0690	0.0599	199.3269	3.8876	PPB	1.9504

Entered Conc.

QUANTITATIVE ANALYSIS: SUMMARY REPORT

		Entered Conc.
As 75	]	200.0000
Se 82	]	200.0000
Y 89	<	
In 115	<]	
Sb 121	]	200.0000
Tb 159	<]	
Tl 203	]	200.0000
Pb 208	]	200.0000

QUANTITATIVE ANALYSIS: CALIBRATION REPORT

Data Set: 12.22.94
Data Set Description:
Calibration File: [Untitled]
Calibration: External Standard

Analyte		Slope	Intercept	Root Mean Square	Correlation Coefficient	Units	
As 75	┐	0.001535	0.000000	0.001604	0.999907	PPB	Z
Se 82	│	1.337511E-04	0.000000	1.872217E-04	0.999832	PPB	Z
Y 89	< ┘						
In 115	<┐						
Sb 121	┘	0.005354	0.000000	0.002395	0.999983	PPB	Z
Tb 159	<┐						
Tl 203	│	0.004694	0.000000	0.006039	0.999857	PPB	Z
Pb 208	┘	0.015397	0.000000	0.013800	0.999931	PPB	Z

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSICV
Sample Description:	
Sample Type:	Sample
Sequence Number:	026
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	13:14:07 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	3849	41.8455	195	14.8700
Se 82	2870	12.6410	0	10.1645
Y 89	203238	1490.0065	192366	1657.2834
In 115	207666	240.7722	206337	3640.9392
Sb 121	12957	303.9990	229	29.9092
Tb 159	296026	1509.3345	299793	5267.1768
Tl 203	13379	81.8724	149	24.7309
Pb 208	46851	366.6364	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	┐	0.0179	2.199E-04	11.6759	0.1433	PPB	1.2269
Se 82	│	0.0141	8.161E-05	105.5815	0.6102	PPB	0.5779
Y 89	<┘	203238	1490.0065			ions/sec	
In 115	<┐	207666	240.7722			ions/sec	
Sb 121	┘	0.0613	1.471E-03	11.4455	0.2747	PPB	2.4005
Tb 159	<┐	296026	1509.3345			ions/sec	
Tl 203	│	0.0447	2.886E-04	9.5225	0.0615	PPB	0.6457
Pb 208	┘	0.1554	1.259E-03	10.0953	0.0818	PPB	0.8101

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSICB
Sample Description:	
Sample Type:	Sample
Sequence Number:	027
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	13:17:32 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	187	21.5060	195	14.8700
Se 82	-7	2.9294	0	10.1645
Y 89	198210	1586.8073	192366	1657.2834
In 115	202424	1874.1118	206337	3640.9392
Sb 121	73	5.6370	229	29.9092
Tb 159	292663	2368.5112	299793	5267.1768
Tl 203	102	8.9044	149	24.7309
Pb 208	550	18.9026	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		* RSD
As 75		-7.122E-05	1.332E-04	-0.0464	0.0868	PPB	187.0566
Se 82		-3.514E-05	5.487E-05	-0.2628	0.4102	PPB	156.1201
Y 89	<	198210	1586.8073			ions/sec	
In 115	<	202424	1874.1118			ions/sec	
Sb 121		-7.507E-04	1.476E-04	-0.1402	0.0276	PPB	19.6613
Tb 159	<	292663	2368.5112			ions/sec	
Tl 203		-1.484E-04	8.793E-05	-0.0316	0.0187	PPB	59.2594
Pb 208		-9.509E-04	2.363E-04	-0.0618	0.0153	PPB	24.8541

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSICSA-1
Sample Description:	
Sample Type:	Sample
Sequence Number:	028
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	13:20:57 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	248	25.2823	195	14.8700
Se 82	-16	6.2694	0	10.1645
Y 89	202616	2247.8252	192366	1657.2834
In 115	197396	833.5837	206337	3640.9392
Sb 121	267	3.3792	229	29.9092
Tb 159	296897	3428.1016	299793	5267.1768
Tl 203	96	15.7579	149	24.7309
Pb 208	1703	92.5297	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		2.128E-04	1.468E-04	0.1386	0.0956	PPB	68.9839
Se 82		-7.802E-05	6.123E-05	-0.5834	0.4578	PPB	78.4791
Y 89	<	202616	2247.8252			ions/sec	
In 115	<	197396	833.5837			ions/sec	
Sb 121		2.437E-04	1.460E-04	0.0455	0.0273	PPB	59.8989
Tb 159	<	296897	3428.1016			ions/sec	
Tl 203		-1.746E-04	9.809E-05	-0.0372	0.0209	PPB	56.1873
Pb 208		2.906E-03	3.858E-04	0.1887	0.0251	PPB	13.2764

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSICSAB-1
Sample Description:	
Sample Type:	Sample
Sequence Number:	029
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	13:24:22 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	30245	344.3197	195	14.8700
Se 82	2680	65.5115	0	10.1645
Y 89	192254	2132.9578	192366	1657.2834
In 115	182632	2969.8389	206337	3640.9392
Sb 121	1177	21.2647	229	29.9092
Tb 159	288531	1490.1497	299793	5267.1768
Tl 203	224	9.8332	149	24.7309
Pb 208	5981	8.4343	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.1563	1.793E-03	101.8131	1.1677	PPB	1.1469
Se 82	]	0.0139	3.448E-04	104.2128	2.5781	PPB	2.4739
Y 89	<	192254	2132.9578			ions/sec	
In 115	<]	182632	2969.8389			ions/sec	
Sb 121	]	5.331E-03	1.859E-04	0.9957	0.0347	PPB	3.4876
Tb 159	<]	288531	1490.1497			ions/sec	
Tl 203	]	2.778E-04	8.926E-05	0.0592	0.0190	PPB	32.1302
Pb 208	]	0.0179	2.292E-04	1.1626	0.0149	PPB	1.2805

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSCCV-1
Sample Description:	
Sample Type:	Sample
Sequence Number:	041
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	14:37:57 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	15612	180.0127	195	14.8700
Se 82	1369	16.0345	0	10.1645
Y 89	198019	358.7653	192366	1657.2834
In 115	202117	2803.9177	206337	3640.9392
Sb 121	52115	2037.4528	229	29.9092
Tb 159	289986	1550.3860	299793	5267.1768
Tl 203	65183	616.1192	149	24.7309
Pb 208	213354	2758.2158	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		0.0778	9.123E-04	50.6941	0.5943	PPB	1.1723
Se 82		6.913E-03	9.669E-05	51.6826	0.7229	PPB	1.3987
Y 89	<	198019	358.7653			ions/sec	
In 115	<	202117	2803.9177			ions/sec	
Sb 121		0.2567	0.0101	47.9504	1.8829	PPB	3.9268
Tb 159	<	289986	1550.3860			ions/sec	
Tl 203		0.2243	2.126E-03	47.7823	0.4530	PPB	0.9480
Pb 208		0.7329	9.514E-03	47.6010	0.6179	PPB	1.2981

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSCCB-1
Sample Description:	
Sample Type:	Sample
Sequence Number:	042
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	14:41:23 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	149	25.7250	195	14.8700
Se 82	-2	10.7687	0	10.1645
Y 89	196247	1989.6980	192366	1657.2834
In 115	198814	3360.0049	206337	3640.9392
Sb 121	368	25.7275	229	29.9092
Tb 159	284375	3476.9094	299793	5267.1768
Tl 203	171	15.1037	149	24.7309
Pb 208	560	18.5760	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		-2.532E-04	1.522E-04	-0.1650	0.0991	PPB	60.0934
Se 82		-1.181E-05	7.618E-05	-0.0883	0.5695	PPB	645.0833
Y 89	<	196247	1989.6980			ions/sec	
In 115	<	198814	3360.0049			ions/sec	
Sb 121		7.403E-04	1.943E-04	0.1383	0.0363	PPB	26.2466
Tb 159	<	284375	3476.9094			ions/sec	
Tl 203		1.046E-04	9.811E-05	0.0223	0.0209	PPB	93.8390
Pb 208		-8.591E-04	2.365E-04	-0.0558	0.0154	PPB	27.5325

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	SOIL-BLANK-1
Sample Description:	
Sample Type:	Sample
Sequence Number:	043
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	14:44:48 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	189	33.2979	195	14.8700
Se 82	2	13.5414	0	10.1645
Y 89	198387	399.0626	192366	1657.2834
In 115	204225	1530.3755	206337	3640.9392
Sb 121	318	26.1286	229	29.9092
Tb 159	292520	1032.6709	299793	5267.1768
Tl 203	164	16.6722	149	24.7309
Pb 208	1442	17.3305	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	┐	-6.250E-05	1.848E-04	-0.0407	0.1204	PPB	295.6702
Se 82	│	1.159E-05	8.632E-05	0.0866	0.6454	PPB	744.9964
Y 89	<┘	198387	399.0626			ions/sec	
In 115	<┐	204225	1530.3755			ions/sec	
Sb 121	┘	4.473E-04	1.933E-04	0.0835	0.0361	PPB	43.2215
Tb 159	<┐	292520	1032.6709			ions/sec	
Tl 203	│	6.328E-05	1.003E-04	0.0135	0.0214	PPB	158.4574
Pb 208	┘	2.100E-03	2.349E-04	0.1364	0.0153	PPB	11.1861

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-7
Sample Description:	
Sample Type:	Sample
Sequence Number:	044
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	14:48:13 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	7489	9.8610	195	14.8700
Se 82	27	2.8962	0	10.1645
Y 89	351739	2402.9248	192366	1657.2834
In 115	200149	978.4632	206337	3640.9392
Sb 121	2290	58.4229	229	29.9092
Tb 159	302229	753.6990	299793	5267.1768
Tl 203	4132	97.9579	149	24.7309
Pb 208	1075680	9790.5996	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		0.0203	8.223E-05	13.2094	0.0536	PPB	0.4055
Se 82		7.514E-05	5.348E-05	0.5618	0.3998	PPB	71.1722
Y 89	<	351739	2402.9248			ions/sec	
In 115	<	200149	978.4632			ions/sec	
Sb 121		0.0103	3.259E-04	1.9297	0.0609	PPB	3.1543
Tb 159	<	302229	753.6990			ions/sec	
Tl 203		0.0132	3.345E-04	2.8068	0.0713	PPB	2.5386
Pb 208		3.5563	0.0324	230.9760	2.1040	PPB	0.9109

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-8-1/5
Sample Description:	
Sample Type:	Sample
Sequence Number:	045
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	14:51:38 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	2325	55.7470	195	14.8700
Se 82	0	10.9779	0	10.1645
Y 89	251899	2221.6504	192366	1657.2834
In 115	200006	2030.3113	206337	3640.9392
Sb 121	723	11.8902	229	29.9092
Tb 159	294196	4102.9131	299793	5267.1768
Tl 203	319	14.6178	149	24.7309
Pb 208	977388	1.095E+04	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	┐	8.216E-03	2.344E-04	5.3515	0.1527	PPB	2.8533
Se 82	│	-1.627E-06	6.849E-05	-0.0122	0.5121	PPB	4209.7676
Y 89	<┘	251899	2221.6504			ions/sec	
In 115	<┐	200006	2030.3113			ions/sec	
Sb 121	┘	2.504E-03	1.567E-04	0.4676	0.0293	PPB	6.2574
Tb 159	<┐	294196	4102.9131			ions/sec	
Tl 203	│	5.873E-04	9.630E-05	0.1251	0.0205	PPB	16.3962
Pb 208	┘	3.3194	0.0372	215.5883	2.4176	PPB	1.1214

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-8
Sample Description:	
Sample Type:	Sample
Sequence Number:	046
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	14:55:03 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	11158	176.7717	195	14.8700
Se 82	8	3.6106	0	10.1645
Y 89	464755	3882.2908	192366	1657.2834
In 115	197425	3087.8533	206337	3640.9392
Sb 121	3554	144.1893	229	29.9092
Tb 159	313123	2738.0356	299793	5267.1768
Tl 203	913	43.6844	149	24.7309
Pb 208	4318031	2.060E+04	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		0.0230	3.881E-04	14.9787	0.2528	PPB	1.6879
Se 82		1.652E-05	5.341E-05	0.1235	0.3993	PPB	323.2732
Y 89	<	464755	3882.2908			ions/sec	
In 115	<	197425	3087.8533			ions/sec	
Sb 121		0.0169	7.446E-04	3.1549	0.1391	PPB	4.4079
Tb 159	<	313123	2738.0356			ions/sec	
Tl 203		2.418E-03	1.621E-04	0.5151	0.0345	PPB	6.7038
Pb 208		13.7874	0.0658	895.4597	4.2726	PPB	0.4771

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-8D
Sample Description:	
Sample Type:	Sample
Sequence Number:	047
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	14:58:28 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	10002	71.5885	195	14.8700
Se 82	26	8.1516	0	10.1645
Y 89	445850	3747.9751	192366	1657.2834
In 115	193854	1789.4441	206337	3640.9392
Sb 121	3115	55.6680	229	29.9092
Tb 159	310601	3144.3931	299793	5267.1768
Tl 203	929	12.7227	149	24.7309
Pb 208	4228530	2.725E+04	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		0.0214	1.782E-04	13.9533	0.1161	PPB	0.8319
Se 82		5.824E-05	5.591E-05	0.4354	0.4180	PPB	96.0033
Y 89	<	445850	3747.9751			ions/sec	
In 115	<	193854	1789.4441			ions/sec	
Sb 121		0.0150	3.217E-04	2.7938	0.0601	PPB	2.1504
Tb 159	<	310601	3144.3931			ions/sec	
Tl 203		2.492E-03	9.210E-05	0.5310	0.0196	PPB	3.6955
Pb 208		13.6112	0.0877	884.0190	5.6990	PPB	0.6447

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-8S 1/20
Sample Description:	
Sample Type:	Sample
Sequence Number:	048
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	15:01:53 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	48343	167.9143	195	14.8700
Se 82	4485	49.3929	0	10.1645
Y 89	201132	536.6042	192366	1657.2834
In 115	195706	118.1289	206337	3640.9392
Sb 121	32266	242.6254	229	29.9092
Tb 159	283564	588.7732	299793	5267.1768
Tl 203	215420	776.3002	149	24.7309
Pb 208	409433	2796.9463	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.2393	8.384E-04	155.9037	0.5461	PPB	0.3503
Se 82	]	0.0223	2.512E-04	166.7176	1.8781	PPB	1.1265
Y 89	<	201132	536.6042			ions/sec	
In 115	<	195706	118.1289			ions/sec	
Sb 121	]	0.1638	1.248E-03	30.5854	0.2331	PPB	0.7622
Tb 159	<	283564	588.7732			ions/sec	
Tl 203	]	0.7592	2.739E-03	161.7410	0.5835	PPB	0.3608
Pb 208	]	1.4411	9.866E-03	93.5934	0.6408	PPB	0.6847

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-8SD 1/20
Sample Description:	
Sample Type:	Sample
Sequence Number:	049
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	15:05:18 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	48182	555.9348	195	14.8700
Se 82	4563	48.4011	0	10.1645
Y 89	200930	1789.3523	192366	1657.2834
In 115	194650	519.7227	206337	3640.9392
Sb 121	32876	178.2439	229	29.9092
Tb 159	282470	514.6151	299793	5267.1768
Tl 203	214823	2160.5596	149	24.7309
Pb 208	387839	1304.8607	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.2388	2.768E-03	155.5374	1.8029	PPB	1.1592
Se 82	]	0.0227	2.466E-04	169.7700	1.8438	PPB	1.0861
Y 89	<	200930	1789.3523			ions/sec	
In 115	<]	194650	519.7227			ions/sec	
Sb 121	]	0.1678	9.271E-04	31.3373	0.1732	PPB	0.5526
Tb 159	<]	282470	514.6151			ions/sec	
Tl 203	]	0.7600	7.649E-03	161.9173	1.6296	PPB	1.0065
Pb 208	]	1.3702	4.625E-03	88.9916	0.3004	PPB	0.3375

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	45227-8PS
Sample Description:	
Sample Type:	Sample
Sequence Number:	050
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	15:08:43 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	1075	1183.3586	195	14.8700
Se 82	-2	30.6115	0	10.1645
Y 89	73	53.9817	192366	1657.2834
In 115	49	39.8654	206337	3640.9392
Sb 121	46	23.9478	229	29.9092
Tb 159	77	74.7786	299793	5267.1768
Tl 203	490	171.9980	149	24.7309
Pb 208	498	570.4256	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		14.8097	16.3013	9646.7295	1.062E+04	PPB	110.0721
Se 82		-0.0310	0.4217	-231.6961	3152.7793	PPB	1360.7391
Y 89	<	73	53.9817			ions/sec	
In 115	<	49	39.8654			ions/sec	
Sb 121		0.9312	0.4862	173.9124	90.7992	PPB	52.2097
Tb 159	<	77	74.7786			ions/sec	
Tl 203		6.3543	2.2327	1353.7428	475.6540	PPB	35.1362
Pb 208		6.4671	7.4045	420.0225	480.9087	PPB	114.4959

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	SOIL-ERA-1
Sample Description:	
Sample Type:	Sample
Sequence Number:	051
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	15:12:08 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	24304	326.9185	195	14.8700
Se 82	1035	10.0900	0	10.1645
Y 89	207943	778.3668	192366	1657.2834
In 115	194867	469.6095	206337	3640.9392
Sb 121	47789	399.8494	229	29.9092
Tb 159	283347	3188.1099	299793	5267.1768
Tl 203	59078	468.5019	149	24.7309
Pb 208	247074	3371.2288	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		0.1159	1.574E-03	75.4718	1.0253	PPB	1.3585
Se 82		4.974E-03	7.174E-05	37.1895	0.5364	PPB	1.4422
Y 89	<	207943	778.3668			ions/sec	
In 115	<	194867	469.6095			ions/sec	
Sb 121		0.2441	2.057E-03	45.5953	0.3842	PPB	0.8426
Tb 159	<	283347	3188.1099			ions/sec	
Tl 203		0.2080	1.656E-03	44.3138	0.3527	PPB	0.7959
Pb 208		0.8692	0.0119	56.4497	0.7729	PPB	1.3692

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSCCV-2
Sample Description:	
Sample Type:	Sample
Sequence Number:	052
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	15:15:33 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	14744	304.3188	195	14.8700
Se 82	1308	8.2549	0	10.1645
Y 89	190786	2063.3223	192366	1657.2834
In 115	196567	846.7328	206337	3640.9392
Sb 121	51037	1549.7944	229	29.9092
Tb 159	286774	1375.8846	299793	5267.1768
Tl 203	64518	783.8306	149	24.7309
Pb 208	212850	1603.7753	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75	]	0.0763	1.597E-03	49.6802	1.0402	PPB	2.0938
Se 82	]	6.857E-03	6.829E-05	51.2655	0.5106	PPB	0.9960
Y 89	<]	190786	2063.3223			ions/sec	
In 115	<]	196567	846.7328			ions/sec	
Sb 121	]	0.2585	7.886E-03	48.2859	1.4728	PPB	3.0501
Tb 159	<]	286774	1375.8846			ions/sec	
Tl 203	]	0.2245	2.735E-03	47.8242	0.5826	PPB	1.2182
Pb 208	]	0.7394	5.597E-03	48.0220	0.3635	PPB	0.7570

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSCCB-2
Sample Description:	
Sample Type:	Sample
Sequence Number:	053
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	15:18:59 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	160	22.0802	195	14.8700
Se 82	-8	7.1249	0	10.1645
Y 89	189788	1367.3890	192366	1657.2834
In 115	193969	1611.5199	206337	3640.9392
Sb 121	431	43.4195	229	29.9092
Tb 159	280183	1304.8816	299793	5267.1768
Tl 203	169	8.6440	149	24.7309
Pb 208	590	16.0157	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		-1.725E-04	1.397E-04	-0.1123	0.0910	PPB	80.9927
Se 82		-4.555E-05	6.482E-05	-0.3405	0.4846	PPB	142.3141
Y 89	<	189788	1367.3890			ions/sec	
In 115	<	193969	1611.5199			ions/sec	
Sb 121		1.112E-03	2.667E-04	0.2077	0.0498	PPB	23.9750
Tb 159	<	280183	1304.8816			ions/sec	
Tl 203		1.041E-04	8.807E-05	0.0222	0.0188	PPB	84.6365
Pb 208		-7.258E-04	2.344E-04	-0.0471	0.0152	PPB	32.2992

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSICSA-2
Sample Description:	
Sample Type:	Sample
Sequence Number:	054
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	15:22:24 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	229	21.5137	195	14.8700
Se 82	2	6.5124	0	10.1645
Y 89	188004	1815.3247	192366	1657.2834
In 115	187143	2423.6418	206337	3640.9392
Sb 121	291	21.4479	229	29.9092
Tb 159	286352	1621.8049	299793	5267.1768
Tl 203	132	8.3081	149	24.7309
Pb 208	1584	47.3360	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		2.050E-04	1.381E-04	0.1335	0.0900	PPB	67.3604
Se 82		1.161E-05	6.318E-05	0.0868	0.4724	PPB	544.3632
Y 89	<	188004	1815.3247			ions/sec	
In 115	<	187143	2423.6418			ions/sec	
Sb 121		4.454E-04	1.848E-04	0.0832	0.0345	PPB	41.4887
Tb 159	<	286352	1621.8049			ions/sec	
Tl 203		-3.706E-05	8.745E-05	-7.895E-03	0.0186	PPB	235.9797
Pb 208		2.702E-03	2.811E-04	0.1755	0.0183	PPB	10.4045

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	12.22.94
Data Set Description:	
Parameter File:	GRAPHITE-AA
Sample ID:	MSICSAB-2
Sample Description:	
Sample Type:	Sample
Sequence Number:	055
Blank:	Subtracted (002)
Dilution Factor:	1
Number of Repeats:	3
Time:	15:25:49 Dec 22 1994
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
As 75	26977	218.7443	195	14.8700
Se 82	2403	23.2313	0	10.1645
Y 89	175833	1142.3442	192366	1657.2834
In 115	170214	2267.6902	206337	3640.9392
Sb 121	1097	50.1040	229	29.9092
Tb 159	272605	1881.7592	299793	5267.1768
Tl 203	250	6.3907	149	24.7309
Pb 208	5622	23.2663	848	68.1556

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
As 75		0.1524	1.246E-03	99.2784	0.8119	PPB	0.8178
Se 82		0.0137	1.423E-04	102.1810	1.0639	PPB	1.0412
Y 89	<	175833	1142.3442			ions/sec	
In 115	<	170214	2267.6902			ions/sec	
Sb 121		5.335E-03	3.281E-04	0.9963	0.0613	PPB	6.1507
Tb 159	<	272605	1881.7592			ions/sec	
Tl 203		4.195E-04	8.576E-05	0.0894	0.0183	PPB	20.4427
Pb 208		0.0178	2.428E-04	1.1557	0.0158	PPB	1.3647

Protocol: high-cal

Rev: 3.000 Time: 07:25:24 28 Dec 1994

Folder: #122794 Seq: 100 Print: On

User: lana Batch: Id: Ck3 Cup: 2 10 Gas: LPN

State: Idle Xmit: Off Autosampler: On

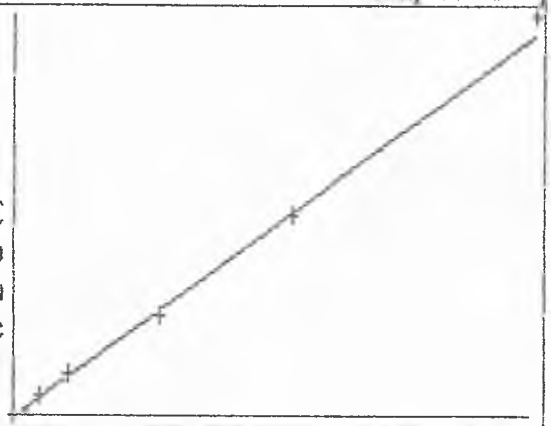
CALIBRATION: Line Calibration

Line: Hg

	Conc.	Calc.	Dev.	Accepted
S1	.0000	-.0002	-.0002	Quadratic
S2	1.000	.9658	-.0342	WtdLinear
S3	2.000	2.061	.0613	C
S4	5.000	5.318	.3183	Accept o
S5	10.00	10.09	.0895	n
S6	20.00	18.86	-1.139	StdAdd c

A .0000000 r .999186

B 1.74817e-5 C -1.67830e-2



	Mean	%RSD		Relative Absorbance	
S1	948	9.44	977	848	1020
S2	56207	1.79	55060	56932	56630
S3	118878	1.81	118266	118895	120250
S4	305178	1.23	308790	305454	301292
S5	578105	0.76	573056	580192	581067
S6	1079859	0.96	1075128	1072668	1091782

```
*** Check Standard: 4  Ck4          Seq:  95      07:14:47 28 Dec 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          111.2    4.449   4.000  PPB        .0000

*** Check Standard: 1  Ck1          Seq:  96      07:17:46 28 Dec 1994 HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.0632    .5000    PPB        .0000

*** Check Standard: 2  Ck2          Seq:  97      07:19:55 28 Dec 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          112.9    5.646   5.000  PPB        .0000

*** Check Standard: 1  Ck1          Seq:  98      07:23:02 28 Dec 1994 HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.0500    .5000    PPB        .0000

*** Check Standard: 3  Ck3          Seq:  99      07:25:11 28 Dec 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          111.3    2.226   2.000  PPB        .0000
```

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 2 Ck2 Seq: 103 08:42:06 28 Dec 1994 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 112.3 5.614 5.000 PPB .0000

*** Check Standard: 1 Ck1 Seq: 104 08:45:16 28 Dec 1994 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg -.0305 .5000 PPB .0000

*** Sample ID: MB Seq: 105 08:47:24 28 Dec 1994 HG

Hg .0131 PPB .0000 .0131

*** Sample ID: MB SPIKE Seq: 106 08:49:30 28 Dec 1994 HG

Hg 2.253 PPB .0000 2.253

*** Sample ID: SOIL ERA Seq: 107 08:52:29 28 Dec 1994 HG
1:20 0.2396
Hg 4.208 PPB .0000 4.208

*** Sample ID: 45227-7 Seq: 108 08:55:31 28 Dec 1994 HG

Hg .0202 PPB .0000 .0202

*** Sample ID: 45227-8 Seq: 109 08:57:38 28 Dec 1994 HG

Hg .1319 PPB .0000 .1319

*** Sample ID: 45227-8D Seq: 110 08:59:55 28 Dec 1994 HG

Hg .1497 PPB .0000 .1497

*** Sample ID: 45227-8S Seq: 111 09:02:13 28 Dec 1994 HG

Hg 2.111 PPB .0000 2.111

*** Sample ID: 45227-8SD Seq: 112 09:05:01 28 Dec 1994 HG

Hg 2.016 PPB .0000 2.016

*** Sample ID: 45338-2 Seq: 113 09:07:54 28 Dec 1994 HG

Hg 24.53 PPB .0000 24.53

*** Sample ID: 45338-3 Seq: 114 09:11:17 28 Dec 1994 HG

Hg 10.39 PPB .0000 10.39

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2 Ck2 Seq: 115 09:14:29 28 Dec 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	H	115.6	5.782	5.000	PPB	.0000

*** Check Standard: 2 Ck2 Seq: 116 09:17:38 28 Dec 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		112.7	5.637	5.000	PPB	.0000

*** Check Standard: 1 Ck1 Seq: 117 09:25:44 28 Dec 1994 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0046	.5000	PPB	.0000

*** Sample ID: 45229-12 Seq: 118 09:28:43 28 Dec 1994 HG

Hg	.0027	PPB	.0000	.0027

*** Check Standard: 1 Ck1 Seq: 119 09:30:51 28 Dec 1994 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0134	.5000	PPB	.0000

*** Check Standard: 2 Ck2 Seq: 120 09:33:00 28 Dec 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		113.0	5.651	5.000	PPB	.0000

8.

19/5

DATE DUE 12-30

Sed

METALS WORKSHEET

CLIENT: Ecology & Environment.

LAB NO: 45227

DATE SAMPLED: 12-12

DATE DUE 12-30

DATE PREPARED 12-21

DATE ANALYZED

ANALYST

Date rec'd 12-16-94

DELIVERABLES Tier IV

Sample No.	7
Client ID	T4120201
Weight/Volume	1.0740
Final Volume	100ml
Solids, %	68.05
Units	

Sample No.	8
Client ID	T4120207
Weight/Volume	1.1858
Final Volume	100ml
Solids, %	63.32
Units	

Element	ICP	MS	GF	Result	PQL
Arsenic		X			
[redacted]					
Cadmium	X				
Chromium	X				
Lead		X			
Selenium		X			
Silver	X				
Copper	X				
Nickel	X				
Zinc	X				
Thallium		X			
Beryllium	X				
Antimony		X			
[redacted]					
[redacted]					
[redacted]					
[redacted]					
[redacted]					

ICP	MS	GF	Result	PQL

DATA REVIEWED BY _____ DATE: _____

DATE DUE 12-30

METALS WORKSHEET

CLIENT: Ecology & Environment.

LAB NO: 45227

DATE SAMPLED: 12-12

DATE DUE 12-30

DATE PREPARED 12-21

DATE ANALYZED

ANALYST

Date rec'd 12-16-94

Sample No.	MB
Client ID	T41202
Weight/Volume	
Final Volume	
Solids, %	
Units	

Sample No.	Bd
Client ID	T41202
Weight/Volume	1.1926
Final Volume	100ml
Solids, %	
Units	

MS MSD

Element	ICP	MS	GF	Result	PQL
Arsenic		X			
[redacted]					
Cadmium	X				
Chromium	X				
Lead		X			
Selenium		X			
Silver	X				
Copper	X				
Nickel	X				
Zinc	X				
Thallium		X			
Beryllium	X				
Antimony		X			
[redacted]					
[redacted]					
[redacted]					
[redacted]					
[redacted]					

ICP	MS	GF	Result	PQL

DATA REVIEWED BY

DATE:

DATE DUE 12-30

METALS WORKSHEET

CLIENT: Ecology & Environment.

LAB NO: 45227

DATE SAMPLED: 12-

DATE DUE 12-30

DATE PREPARED 12-21

DATE ANALYZED

ANALYST

Date rec'd 12-16-94

Sample No.	BS
Client ID	T41202
Weight/Volume	1.1955
Final Volume	
Solids, %	
Units	

Sample No.	BSD
Client ID	T41202
Weight/Volume	1.0999
Final Volume	
Solids, %	
Units	

Element	ICP	MS	GF	Result	PQL
Arsenic		X			
[redacted]					
Cadmium	X				
Chromium	X				
Lead		X			
Selenium		X			
Silver	X				
Copper	X				
Nickel	X				
Zinc	X				
Thallium		X			
Beryllium	X				
Antimony		X			
[redacted]					
[redacted]					
[redacted]					
[redacted]					
[redacted]					

ICP	MS	GF	Result	PQL

DATA REVIEWED BY

DATE:

DATE DUE 12-30 Tier IV DELIVERABLES

MERCURY WORKSHEET

CLIENT E&E

LAB REPORT NO. 45227 1915

ANALYST LC

DATE SAMPLED 12-12

DATE PREP'D 12-27

DATE ANALYZED 12-28-94

Sample No.	7	8	MB	
Client ID	T4120201	T4120207		
Matrix	Sed →	→		
Sample Wt. / Vol.	0.2452	0.2304		
Final Volume	100ml →	→	→	
Dilution	—	—	—	
% Solids	68.05	63.32	n/a	
Instrument Reading	0.0202	0.1319	0.0131	
PQL	0.12	0.14	0.10	
Mercury	ND →	→	→	
Units	mg/kg →	→	→	

Sample No.	Bd	Bs	BSD	ERA
Client ID				
Matrix				
Sample Wt./ Vol.	0.2668	0.2540	0.2660	0.2396
Final Volume	100ml →	→	→	→
Dilution	—	—	—	1:20
% Solids	63.32	63.32	63.32	n/a
Instrument Reading	0.1497	2.111	2.016	4.208
PQL	0.12	0.12	0.12	1.7
Mercury	ND	1.3	1.2	35
Units	mg/kg →	→	→	→

DATA REVIEWED BY : _____ DATE: _____

Calculation: (Inst. Reading) (Final Volume) (Dilution) / (Sample vol. or wt.) (% solids)

MERCURY BY COLD VAPOR AA
EPA Methods 245.2, 7470 & 7471

Instrument: PS 200 HG ANALYZER Analyst: LC Date Analyzed: 12-28

METHOD BLANK

Matrix	Digest Date	Analysis Date	Result	PQL
Soil	12-28 →	→	ND	0.10

DUPLICATES

Lab #	Matrix	Digest Date	Analysis Date	Sample Result	Duplicate Result	RPD
45227-8	Soil	12-28 →	→	ND →	→	0

MATRIX SPIKE / MATRIX SPIKE DUPLICATES

Lab #	Extract Date	Analysis Date	Matrix	Sample Result	MS Result	MS Amount	%R	MSD Result	MSD Amount	%R	RPD
45227-8	12-28 →	→	Soil	ND	1.3	1.2	108	1.2	1.2	100	7.7

BLANK SPIKE

Matrix	Digest Date	Analysis Date	Result	Spike Amt	% R
Soil	12-28 →	→	1.13	1.00	113

CHECK STANDARD

Standard ID	Result	True Value	%D	Acceptance Criteria
CK STD 2	5.6	5.0	11	15 %
CK STD 2	5.6	5.0	11	15 %

DRY WEIGHT LOG

ANALYST SM

DATE 12-19-94

Sample No.	45227-7	Sample No.	227-8	Sample No.		Sample No.		Sample No.	
Samp + tin	12.8022	Samp + tin	6.6001	Samp + tin		Samp + tin		Samp + tin	
Final Wt	8.9196	Final Wt	4.4189	Final Wt		Final Wt		Final Wt	
Samp Wt	12.1535	Samp Wt	5.9477	Samp Wt		Samp Wt		Samp Wt	
% Solids	68.05	% Solids	63.32	% Solids		% Solids		% Solids	
Sample No.		Sample No.		Sample No.		Sample No.		Sample No.	
Samp + tin		Samp + tin		Samp + tin		Samp + tin		Samp + tin	
Final Wt		Final Wt		Final Wt		Final Wt		Final Wt	
Samp Wt		Samp Wt		Samp Wt		Samp Wt		Samp Wt	
% Solids		% Solids		% Solids		% Solids		% Solids	
Sample No.		Sample No.		Sample No.		Sample No.		Sample No.	
Samp + tin		Samp + tin		Samp + tin		Samp + tin		Samp + tin	
Final Wt		Final Wt		Final Wt		Final Wt		Final Wt	
Samp Wt		Samp Wt		Samp Wt		Samp Wt		Samp Wt	
% Solids		% Solids		% Solids		% Solids		% Solids	
Sample No.		Sample No.		Sample No.		Sample No.		Sample No.	
Samp + tin		Samp + tin		Samp + tin		Samp + tin		Samp + tin	
Final Wt		Final Wt		Final Wt		Final Wt		Final Wt	
Samp Wt		Samp Wt		Samp Wt		Samp Wt		Samp Wt	
% Solids		% Solids		% Solids		% Solids		% Solids	
Sample No.		Sample No.		Sample No.		Sample No.		Sample No.	
Samp + tin		Samp + tin		Samp + tin		Samp + tin		Samp + tin	
Final Wt		Final Wt		Final Wt		Final Wt		Final Wt	
Samp Wt		Samp Wt		Samp Wt		Samp Wt		Samp Wt	
% Solids		% Solids		% Solids		% Solids		% Solids	

CALCULATION: $\% \text{ Solids} = \left(\frac{[(\text{Samp + tin}) - (\text{Final Wt})] \times 100}{\text{Sample Wt}} \right) - 100$

Time In: 1210

Time Out: _____

Laboratory No. 45227

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