ELM STREET, LLC PROPERTY
LABORATORY DATA SHEETS AND CHAIN OF CUSTODY RECORDS

Results for Volatiles
by GCMS 8260-5035

Elm 1-3

Client Sample ID: ~~MW-1-3~~ SB
Client Project ID: Elm Street, LLC
Lab Sample ID G161-2054-1A
Lab Project ID: G161-2054
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 07-01-2005 10:45
Date Received: 7/2/2005
Matrix: Soil
%Solids: 86.3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0381	1	7/8/2005
Benzene	BQL	0.00381	1	7/8/2005
Bromobenzene	BQL	0.00381	1	7/8/2005
Bromochloromethane	BQL	0.00381	1	7/8/2005
Bromodichloromethane	BQL	0.00381	1	7/8/2005
Bromoform	BQL	0.00381	1	7/8/2005
Bromomethane	BQL	0.00381	1	7/8/2005
2-Butanone	BQL	0.0191	1	7/8/2005
n-Butylbenzene	BQL	0.00381	1	7/8/2005
sec-Butylbenzene	BQL	0.00381	1	7/8/2005
tert-Butylbenzene	BQL	0.00381	1	7/8/2005
Carbon disulfide	BQL	0.00381	1	7/8/2005
Carbon tetrachloride	BQL	0.00381	1	7/8/2005
Chlorobenzene	BQL	0.00381	1	7/8/2005
Chloroethane	BQL	0.00381	1	7/8/2005
Chloroform	BQL	0.00381	1	7/8/2005
Chloromethane	BQL	0.00381	1	7/8/2005
2-Chlorotoluene	BQL	0.00381	1	7/8/2005
4-Chlorotoluene	BQL	0.00381	1	7/8/2005
Dibromochloromethane	BQL	0.00381	1	7/8/2005
1,2-Dibromo-3-chloropropane	BQL	0.00381	1	7/8/2005
Dibromomethane	BQL	0.00381	1	7/8/2005
1,2-Dibromoethane (EDB)	BQL	0.00381	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.00381	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.00381	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.00381	1	7/8/2005
trans-1,4-Dichloro-2-butene	BQL	0.00381	1	7/8/2005
1,1-Dichloroethane	BQL	0.00381	1	7/8/2005
1,1-Dichloroethene	BQL	0.00381	1	7/8/2005
1,2-Dichloroethane	BQL	0.00381	1	7/8/2005
cis-1,2-Dichloroethene	BQL	0.00381	1	7/8/2005
trans-1,2-dichloroethene	BQL	0.00381	1	7/8/2005
1,2-Dichloropropane	BQL	0.00381	1	7/8/2005
1,3-Dichloropropane	BQL	0.00381	1	7/8/2005
2,2-Dichloropropane	BQL	0.00381	1	7/8/2005
1,1-Dichloropropene	BQL	0.00381	1	7/8/2005
cis-1,3-Dichloropropene	BQL	0.00381	1	7/8/2005
trans-1,3-Dichloropropene	BQL	0.00381	1	7/8/2005
Dichlorodifluoromethane	BQL	0.00381	1	7/8/2005
Diisopropyl ether (DIPE)	BQL	0.00381	1	7/8/2005
Ethylbenzene	BQL	0.00381	1	7/8/2005
Hexachlorobutadiene	BQL	0.00381	1	7/8/2005
2-Hexanone	BQL	0.00381	1	7/8/2005
Iodomethane	BQL	0.00381	1	7/8/2005

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: ~~MW-1-3~~ EMW1-3 SR
Client Project ID: Elm Street, LLC
Lab Sample ID G161-2054-1A
Lab Project ID: G161-2054
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 07-01-2005 10:45
Date Received: 7/2/2005
Matrix: Soil
%Solids: 86.3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00381	1	7/8/2005
4-Isopropyltoluene	BQL	0.00381	1	7/8/2005
Methylene chloride	BQL	0.0153	1	7/8/2005
4-Methyl-2-pentanone	BQL	0.00381	1	7/8/2005
Methyl-tert-butyl ether (MTBE)	BQL	0.00381	1	7/8/2005
Naphthalene	BQL	0.00381	1	7/8/2005
n-Propyl benzene	BQL	0.00381	1	7/8/2005
Styrene	BQL	0.00381	1	7/8/2005
1,1,1,2-Tetrachloroethane	BQL	0.00381	1	7/8/2005
1,1,2,2-Tetrachloroethane	BQL	0.00381	1	7/8/2005
Tetrachloroethene	BQL	0.00381	1	7/8/2005
Toluene	BQL	0.00381	1	7/8/2005
1,2,3-Trichlorobenzene	BQL	0.00381	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.00381	1	7/8/2005
Trichloroethene	BQL	0.00381	1	7/8/2005
1,1,1-Trichloroethane	BQL	0.00381	1	7/8/2005
1,1,2-Trichloroethane	BQL	0.00381	1	7/8/2005
Trichlorofluoromethane	BQL	0.00381	1	7/8/2005
1,2,3-Trichloropropane	BQL	0.00381	1	7/8/2005
1,2,4-Trimethylbenzene	BQL	0.00381	1	7/8/2005
1,3,5-Trimethylbenzene	BQL	0.00381	1	7/8/2005
Vinyl chloride	BQL	0.00381	1	7/8/2005
m-,p-Xylene	BQL	0.00763	1	7/8/2005
o-Xylene	BQL	0.00381	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0484	97
1,2-Dichloroethane-d4	0.05	0.0519	104
Toluene-d8	0.05	0.0506	101

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: RNP

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: ~~MW-1-3-JR~~ EMW1-3
Client Project ID: Elm Street, LLC
Lab Sample ID: G161-2054-1G
Lab Project ID: G161-2054
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 7/1/2005 10:45
Date Received: 7/2/2005
Date Extracted: 7/6/2005
Matrix: Soil
% Solids: 86.28

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.359	1	7/12/2005
Acenaphthylene	BQL	0.359	1	7/12/2005
Anthracene	BQL	0.359	1	7/12/2005
Benzo[a]anthracene	BQL	0.359	1	7/12/2005
Benzo[a]pyrene	BQL	0.359	1	7/12/2005
Benzo[b]fluoranthene	BQL	0.359	1	7/12/2005
Benzo[g,h,i]perylene	BQL	0.359	1	7/12/2005
Benzo[k]fluoranthene	BQL	0.359	1	7/12/2005
Bis(2-chloroethoxy)methane	BQL	0.359	1	7/12/2005
Bis(2-chloroethyl)ether	BQL	0.359	1	7/12/2005
Bis(2-chloroisopropyl)ether	BQL	0.359	1	7/12/2005
Bis(2-ethylhexyl)phthalate	BQL	0.359	1	7/12/2005
4-bromophenyl phenyl ether	BQL	0.359	1	7/12/2005
Butylbenzylphthalate	BQL	0.359	1	7/12/2005
2-Chloronaphthalene	BQL	0.359	1	7/12/2005
4-Chloroaniline	BQL	1.80	1	7/12/2005
4-Chlorophenyl phenyl ether	BQL	0.359	1	7/12/2005
Chrysene	BQL	0.359	1	7/12/2005
Dibenzo[a,h]anthracene	BQL	0.359	1	7/12/2005
Dibenzofuran	BQL	0.359	1	7/12/2005
Di-n-Butylphthalate	BQL	0.359	1	7/12/2005
1,2-Dichlorobenzene	BQL	0.359	1	7/12/2005
1,3-Dichlorobenzene	BQL	0.359	1	7/12/2005
1,4-Dichlorobenzene	BQL	0.359	1	7/12/2005
3,3'-Dichlorobenzidine	BQL	0.719	1	7/12/2005
Diethylphthalate	BQL	0.359	1	7/12/2005
Dimethylphthalate	BQL	0.359	1	7/12/2005
Di-n-octylphthalate	BQL	0.359	1	7/12/2005
2,4-Dinitrotoluene	BQL	0.359	1	7/12/2005
2,6-Dinitrotoluene	BQL	0.359	1	7/12/2005
Diphenylamine *	BQL	0.359	1	7/12/2005
Fluoranthene	BQL	0.359	1	7/12/2005
Fluorene	BQL	0.359	1	7/12/2005
Hexachlorobenzene	BQL	0.359	1	7/12/2005
Hexachlorobutadiene	BQL	0.359	1	7/12/2005
Hexachlorocyclopentadiene	BQL	0.719	1	7/12/2005
Hexachloroethane	BQL	0.359	1	7/12/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.359	1	7/12/2005
Isophorone	BQL	0.359	1	7/12/2005
2-Methylnaphthalene	BQL	0.359	1	7/12/2005
Naphthalene	BQL	0.359	1	7/12/2005
2-Nitroaniline	BQL	0.359	1	7/12/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: ~~MW-1-3~~ EMW1-3
Client Project ID: Elm Street, LLC
Lab Sample ID: G161-2054-1G
Lab Project ID: G161-2054
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 7/1/2005 10:45
Date Received: 7/2/2005
Date Extracted: 7/6/2005
Matrix: Soil
% Solids: 86.28

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.80	1	7/12/2005
4-Nitroaniline	BQL	1.80	1	7/12/2005
Nitrobenzene	BQL	0.359	1	7/12/2005
N-Nitrosodi-n-propylamine	BQL	0.359	1	7/12/2005
Phenanthrene	BQL	0.359	1	7/12/2005
Pyrene	BQL	0.359	1	7/12/2005
1,2,4-Trichlorobenzene	BQL	0.359	1	7/12/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.5	95
Nitrobenzene-d5	10	10.3	103
4-Terphenyl-d14	10	13.6	136

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: Elm Street, LLC

Sample Information and Analytical Results	
Sample Identification	~~MW-1-3~~ ElmW1-3
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	07/01/05
Date Received	07/02/05
Date Extracted	07/01/05
Date Analyzed	07/08/05
Dry Weight	78
Dilution Factor	1
C_5-C_8 Aliphatics**	< 10 (mg/Kg)
C_9-C_{12} Aliphatics**	< 10 (mg/Kg)
C_9-C_{10} Aromatics**	< 10 (mg/Kg)
Surrogate % Recovery - PID	97
Surrogate % Recovery - FID	93

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards.

Lab Info: G161-2054-1B

Reviewed By: [illegible]

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Elm Street, LLC

Sample Information and Analytical Results	
Sample Identification	~~MW-1-3~~ Emw1-3 JR
Sample Matrix	Soil
Date Collected	07/01/05
Date Received	07/02/05
Date Extracted	07/08/05
Date Analyzed	07/08/05
Dry Weight	86.3
Dilution Factor	1
C_9-C_{18} Aliphatics*	< 10 (mg/Kg)
C_{19}-C_{36} Aliphatics*	< 10 (mg/Kg)
C_{11}-C_{22} Aromatics*	< 10 (mg/Kg)
Aliphatic Surrogate % Recovery	92
Aromatic Surrogate % Recovery	91

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2054-1H

Reviewed By: RW

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK3070805B
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected:
Date Received:
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result mg/kg	Quantitation Limit mg/kg	Dilution Factor	Date Analyzed
Acetone	BQL	0.0500	1	7/8/2005
Benzene	BQL	0.00500	1	7/8/2005
Bromobenzene	BQL	0.00500	1	7/8/2005
Bromochloromethane	BQL	0.00500	1	7/8/2005
Bromodichloromethane	BQL	0.00500	1	7/8/2005
Bromoform	BQL	0.00500	1	7/8/2005
Bromomethane	BQL	0.00500	1	7/8/2005
2-Butanone	BQL	0.0250	1	7/8/2005
n-Butylbenzene	BQL	0.00500	1	7/8/2005
sec-Butylbenzene	BQL	0.00500	1	7/8/2005
tert-Butylbenzene	BQL	0.00500	1	7/8/2005
Carbon disulfide	BQL	0.00500	1	7/8/2005
Carbon tetrachloride	BQL	0.00500	1	7/8/2005
Chlorobenzene	BQL	0.00500	1	7/8/2005
Chloroethane	BQL	0.00500	1	7/8/2005
Chloroform	BQL	0.00500	1	7/8/2005
Chloromethane	BQL	0.00500	1	7/8/2005
2-Chlorotoluene	BQL	0.00500	1	7/8/2005
4-Chlorotoluene	BQL	0.00500	1	7/8/2005
Dibromochloromethane	BQL	0.00500	1	7/8/2005
1,2-Dibromo-3-chloropropane	BQL	0.00500	1	7/8/2005
Dibromomethane	BQL	0.00500	1	7/8/2005
1,2-Dibromoethane (EDB)	BQL	0.00500	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.00500	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.00500	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.00500	1	7/8/2005
trans-1,4-Dichloro-2-butene	BQL	0.00500	1	7/8/2005
1,1-Dichloroethane	BQL	0.00500	1	7/8/2005
1,1-Dichloroethene	BQL	0.00500	1	7/8/2005
1,2-Dichloroethane	BQL	0.00500	1	7/8/2005
cis-1,2-Dichloroethene	BQL	0.00500	1	7/8/2005
trans-1,2-dichloroethene	BQL	0.00500	1	7/8/2005
1,2-Dichloropropane	BQL	0.00500	1	7/8/2005
1,3-Dichloropropane	BQL	0.00500	1	7/8/2005
2,2-Dichloropropane	BQL	0.00500	1	7/8/2005
1,1-Dichloropropene	BQL	0.00500	1	7/8/2005
cis-1,3-Dichloropropene	BQL	0.00500	1	7/8/2005
trans-1,3-Dichloropropene	BQL	0.00500	1	7/8/2005
Dichlorodifluoromethane	BQL	0.00500	1	7/8/2005
Diisopropyl ether (DIPE)	BQL	0.00500	1	7/8/2005
Ethylbenzene	BQL	0.00500	1	7/8/2005
Hexachlorobutadiene	BQL	0.00500	1	7/8/2005
2-Hexanone	BQL	0.00500	1	7/8/2005
Iodomethane	BQL	0.00500	1	7/8/2005

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK3070805B
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected:
Date Received:
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result mg/kg	Quantitation Limit mg/kg	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00500	1	7/8/2005
4-Isopropyltoluene	BQL	0.00500	1	7/8/2005
Methylene chloride	BQL	0.0200	1	7/8/2005
4-Methyl-2-pentanone	BQL	0.00500	1	7/8/2005
Methyl-tert-butyl ether (MTBE)	BQL	0.00500	1	7/8/2005
Naphthalene	BQL	0.00500	1	7/8/2005
n-Propyl benzene	BQL	0.00500	1	7/8/2005
Styrene	BQL	0.00500	1	7/8/2005
1,1,1,2-Tetrachloroethane	BQL	0.00500	1	7/8/2005
1,1,2,2-Tetrachloroethane	BQL	0.00500	1	7/8/2005
Tetrachloroethene	BQL	0.00500	1	7/8/2005
Toluene	BQL	0.00500	1	7/8/2005
1,2,3-Trichlorobenzene	BQL	0.00500	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.00500	1	7/8/2005
Trichloroethene	BQL	0.00500	1	7/8/2005
1,1,1-Trichloroethane	BQL	0.00500	1	7/8/2005
1,1,2-Trichloroethane	BQL	0.00500	1	7/8/2005
Trichlorofluoromethane	BQL	0.00500	1	7/8/2005
1,2,3-Trichloropropane	BQL	0.00500	1	7/8/2005
1,2,4-Trimethylbenzene	BQL	0.00500	1	7/8/2005
1,3,5-Trimethylbenzene	BQL	0.00500	1	7/8/2005
Vinyl chloride	BQL	0.00500	1	7/8/2005
m-,p-Xylene	BQL	0.0100	1	7/8/2005
o-Xylene	BQL	0.00500	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.049	98
1,2-Dichloroethane-d4	0.05	0.0506	101
Toluene-d8	0.05	0.0484	97

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: RNP

Results for LCS/LCSD
by GC/MS 8260/5035

Client Project ID: Batch QC
Lab Sample ID: LCS3070805b
Batch ID: 3070805

Date Analyzed: 8 Jul 2005 9:20 am
Matrix: Soil
Analyzed By: RNP

Compound	Spike conc. ug/L	Recovered LCS %	Recovered LCSD %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	100	98.0	102.2	77.6	122	4.3	30
chlorobenzene	100	94.9	99.1	75.3	125	4.3	30
1,1-dichloroethene	100	101.5	106.0	78.5	121	4.4	30
toluene	100	101.8	105.8	75.7	124	3.9	30
trichloroethene	100	98.3	101.7	60.8	139	3.4	30

Comments:

Concentrations are on column amounts.
Concentration Units: ug/L

Flags:

* = Out of limits.
NA = Not applicable
BQL = Below quantitation limit.

Reviewed By: RNP

VO41.072303.1

Results for MS/MSD
by GC/MS 8260/5035

Client Project ID: Batch QC
Lab Sample ID: G161-2047-15c
Batch ID: 3070805

Date Analyzed: 8 Jul 2005 6:42 pm
Matrix: Soil
Analyzed By: RNP

Compound	Unspiked Sample ug/L	Spike conc. ug/L	Recovered MS %	Recovered MSD %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	0.5	100	102.6	103.2	74.8	133	0.6	30
chlorobenzene	BQL	100	86.4	88.0	66.3	135	1.9	30
1,1-dichloroethene	BQL	100	105.1	103.5	72.0	135	1.6	30
toluene	5.1	100	95.6	107.6	70.5	138	11.7	30
trichloroethene	BQL	100	97.6	97.9	60.7	152	0.4	30

Comments:

Concentrations are on column amounts.
Concentration Units: ug/L

Flags:

* = Out of limits.
NA = Not applicable
BQL = Below quantitation limit.

Reviewed By: RNP

VO41 072303.1

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3180
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/6/2005
Matrix: SOIL
% Solids: 100

Compound	Result ug/Kg	Quantitation Limit ug/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	313	1	7/8/2005
Acenaphthylene	BQL	313	1	7/8/2005
Anthracene	BQL	313	1	7/8/2005
Benzo[a]anthracene	BQL	313	1	7/8/2005
Benzo[a]pyrene	BQL	313	1	7/8/2005
Benzo[b]fluoranthene	BQL	313	1	7/8/2005
Benzo[g,h,i]perylene	BQL	313	1	7/8/2005
Benzo[k]fluoranthene	BQL	313	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	313	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	313	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	313	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	313	1	7/8/2005
4-bromophenyl phenyl ether	BQL	313	1	7/8/2005
Butylbenzylphthalate	BQL	313	1	7/8/2005
2-Chloronaphthalene	BQL	313	1	7/8/2005
4-Chloroaniline	BQL	1560	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	313	1	7/8/2005
Chrysene	BQL	313	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	313	1	7/8/2005
Dibenzofuran	BQL	313	1	7/8/2005
Di-n-Butylphthalate	BQL	313	1	7/8/2005
1,2-Dichlorobenzene	BQL	313	1	7/8/2005
1,3-Dichlorobenzene	BQL	313	1	7/8/2005
1,4-Dichlorobenzene	BQL	313	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	625	1	7/8/2005
Diethylphthalate	BQL	313	1	7/8/2005
Dimethylphthalate	BQL	313	1	7/8/2005
Di-n-octylphthalate	BQL	313	1	7/8/2005
2,4-Dinitrotoluene	BQL	313	1	7/8/2005
2,6-Dinitrotoluene	BQL	313	1	7/8/2005
Diphenylamine *	BQL	313	1	7/8/2005
Fluoranthene	BQL	313	1	7/8/2005
Fluorene	BQL	313	1	7/8/2005
Hexachlorobenzene	BQL	313	1	7/8/2005
Hexachlorobutadiene	BQL	313	1	7/8/2005
Hexachlorocyclopentadiene	BQL	625	1	7/8/2005
Hexachloroethane	BQL	313	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	313	1	7/8/2005
Isophorone	BQL	313	1	7/8/2005
2-Methylnaphthalene	BQL	313	1	7/8/2005
Naphthalene	BQL	313	1	7/8/2005
2-Nitroaniline	BQL	313	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3180
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/6/2005
Matrix: SOIL
% Solids: 100

Compound	Result ug/Kg	Quantitation Limit ug/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1560	1	7/8/2005
4-Nitroaniline	BQL	1560	1	7/8/2005
Nitrobenzene	BQL	313	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	313	1	7/8/2005
Phenanthrene	BQL	313	1	7/8/2005
Pyrene	BQL	313	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	313	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.1	111
Nitrobenzene-d5	10	10.5	105
4-Terphenyl-d14	10	11.6	116

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

Results For Matrix Spike / Matrix Spike Duplicate and Laboratory Control Standard (MS/MSD/LCS)
by GCMS

Client Sample ID: Batch QC
Client Sample ID:
Lab Sample ID: Batch-3180-MS/MSD/LCS
Lab Project ID:
Matrix: SOIL
Prep Method: 3540

Date Collected:
Date Received:
Date Extracted: 07/06/05
Date Analyzed: 07/11/05
Analyzed By: MRC
Dilution: 1

	Sample Amount (µg/kg)	MS Spike (µg/kg)	MS Conc. (µg/kg)	MS Spike % Rec.	MSD Spike (µg/kg)	MSD Conc. (µg/kg)	MSD Conc. % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
Acenaphthylene	BQL	3470	4440	128	3420	4360	127.0	0.470	30	79.0-141
4-Chloro-3-methylphenol	BQL	3470	3530	102	3420	3560	104.0	2.14	30	40.0-133
2-Chlorophenol	BQL	3470	3460	99.8	3420	3450	101.0	1.20	30	64.0-108
1,4-Dichlorobenzene	BQL	3470	3730	108*	3420	3670	107*	0.279	30	56.0-95.0
2,4-Dinitrotoluene	BQL	3470	3890	112	3420	3900	114.0	1.86	30	48.0-121
N-Nitrosodi-n-propylamine	BQL	3470	4460	128*	3420	4320	126*	1.65	30	70.0-119
4-Nitrophenol	BQL	3470	3010	86.7	3420	3110	90.9	4.73	30	40.0-147
Pentachlorophenol	BQL	3470	2950	85.0	3420	2950	86.2	1.40	30	40.0-122
Phenol	BQL	3470	3500	101	3420	3490	102.0	0.985	30	40.0-127
Pyrene	BQL	3470	3880	112	3420	3730	109.0	2.26	30	56.0-123
1,2,4-Trichlorobenzene	BQL	3470	3730	108*	3420	3670	107*	0.372	30	65.0-105

	Spiked Amount (µg/kg)	LCS Conc. (µg/kg)	LCS Spike %	QC Limits % Rec.
Acenaphthylene	3125	4020	129	66.7-146
4-Chloro-3-methylphenol	3125	3280	105	49.4-117
2-Chlorophenol	3125	3160	101	51.5-110
1,4-Dichlorobenzene	3125	3390	108*	51.1-100
2,4-Dinitrotoluene	3125	3580	114	51.1-120
N-Nitrosodi-n-propylamine	3125	4060	130*	53.1-128
4-Nitrophenol	3125	2750	87.9	39.5-118
Pentachlorophenol	3125	2820	90.2	38.8-99.4
Phenol	3125	3150	101	51.2-116
Pyrene	3125	3660	117	38.0-132
1,2,4-Trichlorobenzene	3125	3410	109	55.1-111

Comments:

Concentrations reflect the spiked sample amounts.

Flags:

* = Out of limits.
NA = Not applicable.

Reviewed By: RVP

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 06/08/05 PID Initial Calibration Date: 06/08/05

Calibration Ranges and Limits

Range	MDL (07/15/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_5-C_8 Aliphatics	4.4	14	100	10
C_9-C_{12} Aliphatics	3.4	11	100	10
C_9-C_{10} Aromatics	0.13	0.41	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	%RSD or CCC	Method of Quantitation
C_5-C_8 Aliphatics	40	3.6	Calibration Factor
	1000		
	2000		
	3000		
	4000		
C_9-C_{12} Aliphatics	10	0.988	Linear Regression
	250		
	500		
	750		
	1000		
C_9-C_{10} Aromatics	10	12.9	Calibration Factor
	250		
	500		
	750		
	1000		

Calibration Check Date: 07/08/05

Calibration Check

Range	Levels (µg/L)	(mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	16.0
C_9-C_{12} Aliphatics	500	50	-7.1
C_9-C_{10} Aromatics	500	50	-0.4

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 07/05/05

Calibration Ranges and Limits

Range	MDL (2/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_9-C_{18} Aliphatics	3.84	12.2	100	10
C_{19}-C_{36} Aliphatics	0.57	1.8	100	10
C_{11}-C_{22} Aromatics	4.54	14.4	100	10

Calibration Concentration Levels

Range	Levels (µg/mL)	%RSD or CCC	Method of Quantitation
C_9-C_{18} Aliphatics	6	16.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	9.4	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	16.4	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 07/08/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	18.2
C_{19}-C_{36} Aliphatics	160	13.0
C_{11}-C_{22} Aromatics	340	-5.2

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit

DF = Dilution Factor

Dup = Duplicate

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

MI34.011404.1

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 47735
Page 1 of 1

Client: ECS, Ltd.
Address: 6609 International Drive
Address: Greensboro, NC 27409
Quote #:

Project ID: Elm Street, LLC
Contact: John Lair
Phone: 336 856-7150
Fax: 336 856-7160

Date: 7/1/05
Turnaround: 7/8/05
Job Number: G-9506
P.O. Number:

Report To: ECS, Ltd.
G80, NC
ECS, Ltd.
Invoice To: Attn: John Lair

Sample ID	Date	Time	Matrix	Preservatives: None	Methanol	Sodium Bisulfate	Analyses: 8260/5035	8270BN	VPH	EPH						Comments: Please specify any special reporting requirements
~~MW-1-3~~ SR	7/1/05	1045	S	X	X	X	X	X	X	X						City of Greensboro S-Elm Street Brownfields Project
EMW1-3																
																G161-2054

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
[signature]	7/1/05		Fed. Ex.	7/1/05		On Ice	NC (X) SC ____ Other ____
			[signature]	7/2/05	10:55	2.9	SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

Results for Volatiles
by GC 601

Client Sample ID: EMW-1
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-1A
Lab Project ID: G161-2085

Analyzed By: MJC
Date Collected: 7/22/2005 13:35
Date Received: 7/23/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/26/2005
Bromoform	BQL	2.00	1	7/26/2005
Bromomethane	BQL	1.00	1	7/26/2005
Carbon tetrachloride	BQL	1.00	1	7/26/2005
Chlorobenzene	BQL	1.00	1	7/26/2005
Chloroethane	BQL	1.00	1	7/26/2005
Chloroform	BQL	1.00	1	7/26/2005
Chloromethane	BQL	1.00	1	7/26/2005
Dibromochloromethane	BQL	1.00	1	7/26/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/26/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,1-Dichloroethane	BQL	1.00	1	7/26/2005
1,2-Dichloroethane	BQL	1.00	1	7/26/2005
1,1-Dichloroethene	BQL	1.00	1	7/26/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
1,2-Dichloropropane	BQL	1.00	1	7/26/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
Methylene Chloride	BQL	5.00	1	7/26/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/26/2005
Tetrachloroethene	BQL	1.00	1	7/26/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/26/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/26/2005
Trichloroethene	BQL	1.00	1	7/26/2005
Trichlorofluoromethane	BQL	1.00	1	7/26/2005
Vinyl Chloride	BQL	1.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	38.2	95.6

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID:	EMW-1	Analyzed By:	MJC
Client Project ID:	Elm Street, LLC.	Date Collected:	7/22/2005 13:35
Lab Sample ID:	G161-2085-1A	Date Received:	7/23/2005
Lab Project ID:	G161-2085	Matrix:	Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2005
Ethylbenzene	BQL	1.00	1	7/26/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2005
Toluene	BQL	1.00	1	7/26/2005
m/p-Xylene	BQL	2.00	1	7/26/2005
o-Xylene	BQL	2.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.0	102

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: EMW-1
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-1L
Lab Project ID: G161-2085

Analyzed By: MRC
Date Collected: 7/22/2005 13:35
Date Received: 7/23/2005
Date Extracted: 7/26/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L.	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	7/28/2005
Acenaphthylene	BQL	10.0	1	7/28/2005
Anthracene	BQL	10.0	1	7/28/2005
Benzo[a]anthracene	BQL	10.0	1	7/28/2005
Benzo[a]pyrene	BQL	10.0	1	7/28/2005
Benzo[b]fluoranthene	BQL	10.0	1	7/28/2005
Benzo[g,h,i]perylene	BQL	10.0	1	7/28/2005
Benzo[k]fluoranthene	BQL	10.0	1	7/28/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	7/28/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	7/28/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	7/28/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	7/28/2005
4-bromophenyl phenyl ether	BQL	10.0	1	7/28/2005
Butylbenzylphthalate	BQL	10.0	1	7/28/2005
2-Chloronaphthalene	BQL	10.0	1	7/28/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	7/28/2005
Chrysene	BQL	10.0	1	7/28/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	7/28/2005
Di-n-Butylphthalate	BQL	10.0	1	7/28/2005
1,2-Dichlorobenzene	BQL	10.0	1	7/28/2005
1,3-Dichlorobenzene	BQL	10.0	1	7/28/2005
1,4-Dichlorobenzene	BQL	10.0	1	7/28/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	7/28/2005
Diethylphthalate	BQL	10.0	1	7/28/2005
Dimethylphthalate	BQL	10.0	1	7/28/2005
Di-n-octylphthalate	BQL	10.0	1	7/28/2005
2,4-Dinitrotoluene	BQL	10.0	1	7/28/2005
2,6-Dinitrotoluene	BQL	10.0	1	7/28/2005
Diphenylamine *	BQL	10.0	1	7/28/2005
Fluoranthene	BQL	10.0	1	7/28/2005
Fluorene	BQL	10.0	1	7/28/2005
Hexachlorobenzene	BQL	10.0	1	7/28/2005
Hexachlorobutadiene	BQL	10.0	1	7/28/2005
Hexachlorocyclopentadiene	BQL	20.0	1	7/28/2005
Hexachloroethane	BQL	10.0	1	7/28/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	7/28/2005
Isophorone	BQL	10.0	1	7/28/2005
Naphthalene	BQL	10.0	1	7/28/2005
Nitrobenzene	BQL	10.0	1	7/28/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	7/28/2005
Phenanthrene	BQL	10.0	1	7/28/2005
Pyrene	BQL	10.0	1	7/28/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: EMW-1
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-1L
Lab Project ID: G161-2085

Analyzed By: MRC
Date Collected: 7/22/2005 13:35
Date Received: 7/23/2005
Date Extracted: 7/26/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	7/28/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9	90
Nitrobenzene-d5	10	8.9	89
4-Terphenyl-d14	10	13.9	139

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

Reviewed By: PNV

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: EMW-1
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-1L
Lab Project ID: G161-2085
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 7/22/2005 13:35
Date Received: 7/23/2005
Date Extracted: 7/26/2005
Date Analyzed: 7/28/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know Compound peak (added by lab)	11.79			122
2	Know solvent peak (added by lab)	3.82			122
3	Know Compound peak (solvent stabilizer)	6.14			10.7
4	Know Compound peak (added by lab)	12.23			4.02
5	Unknown	8.47			2.02
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: Elm Street, LLC.

Sample Information and Analytical Results	
Sample Identification	EMW-1
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	07/22/05
Date Received	07/23/05
Date Extracted	07/25/05
Date Analyzed	07/25/05
Dry Weight	
Dilution Factor	1
C_5-C_8 Aliphatics**	< 100 (µg/L)
C_9-C_{12} Aliphatics**	< 100 (µg/L)
C_9-C_{10} Aromatics**	< 100 (µg/L)
Surrogate % Recovery - PID	110
Surrogate % Recovery - FID	110

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil

** = Excludes any surrogates or internal standards

Lab Info: g161-2085-1d

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Elm Street, LLC.

Sample Information and Analytical Results	
Sample Identification	EMW-1
Sample Matrix	Water
Date Collected	07/22/05
Date Received	07/23/05
Date Extracted	07/29/05
Date Analyzed	08/01/05
Dry Weight	
Dilution Factor	1
C_9-C_{18} Aliphatics*	< 100 (ug/L)
C_{19}-C_{36} Aliphatics*	< 100 (ug/L)
C_{11}-C_{22} Aromatics*	< 100 (ug/L)
Aliphatic Surrogate % Recovery	95
Aromatic Surrogate % Recovery	98

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2085-1N

Reviewed By: RNP

Results for Organics
by EPA 504

Client Sample ID:	EMW-1	Analyzed By:	CLP
Client Project ID:	Elm Street, LLC.	Date Collected:	7/22/05 13:35
Lab Sample ID:	G161-2085-1O	Date Received:	7/23/05 10:35
Lab Project ID:	G161-2085	Matrix:	Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0.0201	1	8/1/05

Reviewed By: _____

8011_LIMS_13

Results for Metals

Client Sample ID:	EMW-1	Analyzed By:	RML
Client Project ID:	Elm Street, LLC.	Date Collected:	7/22/2005 13:35
Lab Sample ID:	G161-2085-1	Date Received:	7/23/2005
Lab Project ID:	G161-2085	Matrix:	WATER
Batch ID:	3306		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	**133**	5.00	25	UG/L	6020	7/27/2005

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
Sample prepared by SM 3030C.

Reviewed By: _____
MET_LIMS_3 1

Results for Volatiles
by GC 601

Client Sample ID: Equip Blank-4
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-2A
Lab Project ID: G161-2085

Analyzed By: MJC
Date Collected: 7/22/2005 13:10
Date Received: 7/23/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/26/2005
Bromoform	BQL	2.00	1	7/26/2005
Bromomethane	BQL	1.00	1	7/26/2005
Carbon tetrachloride	BQL	1.00	1	7/26/2005
Chlorobenzene	BQL	1.00	1	7/26/2005
Chloroethane	BQL	1.00	1	7/26/2005
Chloroform	BQL	1.00	1	7/26/2005
Chloromethane	BQL	1.00	1	7/26/2005
Dibromochloromethane	BQL	1.00	1	7/26/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/26/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,1-Dichloroethane	BQL	1.00	1	7/26/2005
1,2-Dichloroethane	BQL	1.00	1	7/26/2005
1,1-Dichloroethene	BQL	1.00	1	7/26/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
1,2-Dichloropropane	BQL	1.00	1	7/26/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
Methylene Chloride	BQL	5.00	1	7/26/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/26/2005
Tetrachloroethene	BQL	1.00	1	7/26/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/26/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/26/2005
Trichloroethene	BQL	1.00	1	7/26/2005
Trichlorofluoromethane	BQL	1.00	1	7/26/2005
Vinyl Chloride	BQL	1.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	38.1	95.2

Comments:
All values corrected for dilution.
BQL = Below quantitation limit

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: Equip Blank-4
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-2A
Lab Project ID: G161-2085

Analyzed By: MJC
Date Collected: 7/22/2005 13:10
Date Received: 7/23/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2005
Ethylbenzene	BQL	1.00	1	7/26/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2005
Toluene	BQL	1.00	1	7/26/2005
m/p-Xylene	BQL	2.00	1	7/26/2005
o-Xylene	BQL	2.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.0	102

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 601

Client Sample ID: Trip Blank
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-3A
Lab Project ID: G161-2085

Analyzed By: MJC
Date Collected: 7/22/2005 0:00
Date Received: 7/23/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/26/2005
Bromoform	BQL	2.00	1	7/26/2005
Bromomethane	BQL	1.00	1	7/26/2005
Carbon tetrachloride	BQL	1.00	1	7/26/2005
Chlorobenzene	BQL	1.00	1	7/26/2005
Chloroethane	BQL	1.00	1	7/26/2005
Chloroform	BQL	1.00	1	7/26/2005
Chloromethane	BQL	1.00	1	7/26/2005
Dibromochloromethane	BQL	1.00	1	7/26/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/26/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,1-Dichloroethane	BQL	1.00	1	7/26/2005
1,2-Dichloroethane	BQL	1.00	1	7/26/2005
1,1-Dichloroethene	BQL	1.00	1	7/26/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
1,2-Dichloropropane	BQL	1.00	1	7/26/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
Methylene Chloride	BQL	5.00	1	7/26/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/26/2005
Tetrachloroethene	BQL	1.00	1	7/26/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/26/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/26/2005
Trichloroethene	BQL	1.00	1	7/26/2005
Trichlorofluoromethane	BQL	1.00	1	7/26/2005
Vinyl Chloride	BQL	1.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	37.4	93.5

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: Trip Blank
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-3A
Lab Project ID: G161-2085

Analyzed By: MJC
Date Collected: 7/22/2005 0:00
Date Received: 7/23/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2005
Ethylbenzene	BQL	1.00	1	7/26/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2005
Toluene	BQL	1.00	1	7/26/2005
m/p-Xylene	BQL	2.00	1	7/26/2005
o-Xylene	BQL	2.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.8	102

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 601

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK3072605A
Lab Project ID:

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/26/2005
Bromoform	BQL	2.00	1	7/26/2005
Bromomethane	BQL	1.00	1	7/26/2005
Carbon tetrachloride	BQL	1.00	1	7/26/2005
Chlorobenzene	BQL	1.00	1	7/26/2005
Chloroethane	BQL	1.00	1	7/26/2005
Chloroform	BQL	1.00	1	7/26/2005
Chloromethane	BQL	1.00	1	7/26/2005
Dibromochloromethane	BQL	1.00	1	7/26/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/26/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,1-Dichloroethane	BQL	1.00	1	7/26/2005
1,2-Dichloroethane	BQL	1.00	1	7/26/2005
1,1-Dichloroethene	BQL	1.00	1	7/26/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
1,2-Dichloropropane	BQL	1.00	1	7/26/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
Methylene Chloride	BQL	5.00	1	7/26/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/26/2005
Tetrachloroethene	BQL	1.00	1	7/26/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/26/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/26/2005
Trichloroethene	BQL	1.00	1	7/26/2005
Trichlorofluoromethane	BQL	1.00	1	7/26/2005
Vinyl Chloride	BQL	1.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	38.3	95.8

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK3072605A
Lab Project ID:

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2005
Ethylbenzene	BQL	1.00	1	7/26/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2005
Toluene	BQL	1.00	1	7/26/2005
m/p-Xylene	BQL	2.00	1	7/26/2005
o-Xylene	BQL	2.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.9	102

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3298
Lab Project ID:

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/26/2005
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	7/27/2005
Acenaphthylene	BQL	10.0	1	7/27/2005
Anthracene	BQL	10.0	1	7/27/2005
Benzo[a]anthracene	BQL	10.0	1	7/27/2005
Benzo[a]pyrene	BQL	10.0	1	7/27/2005
Benzo[b]fluoranthene	BQL	10.0	1	7/27/2005
Benzo[g,h,i]perylene	BQL	10.0	1	7/27/2005
Benzo[k]fluoranthene	BQL	10.0	1	7/27/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	7/27/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	7/27/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	7/27/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	7/27/2005
4-bromophenyl phenyl ether	BQL	10.0	1	7/27/2005
Butylbenzylphthalate	BQL	10.0	1	7/27/2005
2-Chloronaphthalene	BQL	10.0	1	7/27/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	7/27/2005
Chrysene	BQL	10.0	1	7/27/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	7/27/2005
Di-n-Butylphthalate	BQL	10.0	1	7/27/2005
1,2-Dichlorobenzene	BQL	10.0	1	7/27/2005
1,3-Dichlorobenzene	BQL	10.0	1	7/27/2005
1,4-Dichlorobenzene	BQL	10.0	1	7/27/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	7/27/2005
Diethylphthalate	BQL	10.0	1	7/27/2005
Dimethylphthalate	BQL	10.0	1	7/27/2005
Di-n-octylphthalate	BQL	10.0	1	7/27/2005
2,4-Dinitrotoluene	BQL	10.0	1	7/27/2005
2,6-Dinitrotoluene	BQL	10.0	1	7/27/2005
Diphenylamine *	BQL	10.0	1	7/27/2005
Fluoranthene	BQL	10.0	1	7/27/2005
Fluorene	BQL	10.0	1	7/27/2005
Hexachlorobenzene	BQL	10.0	1	7/27/2005
Hexachlorobutadiene	BQL	10.0	1	7/27/2005
Hexachlorocyclopentadiene	BQL	20.0	1	7/27/2005
Hexachloroethane	BQL	10.0	1	7/27/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	7/27/2005
Isophorone	BQL	10.0	1	7/27/2005
Naphthalene	BQL	10.0	1	7/27/2005
Nitrobenzene	BQL	10.0	1	7/27/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	7/27/2005
Phenanthrene	BQL	10.0	1	7/27/2005
Pyrene	BQL	10.0	1	7/27/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3298
Lab Project ID:

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/26/2005
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	7/27/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.4	64
Nitrobenzene-d5	10	6.6	66
4-Terphenyl-d14	10	12.1	121

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3298
Lab Project ID:
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/26/2005
Date Analyzed: 7/28/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know Compound peak (added by lab)	11.80			144
2	Know solvent peak (added by lab)	3.84			67
3	Know Compound peak (solvent stabilizer)	6.14			7.18
4	Unknown	11.24			6.72
5	Unknown	14.18			6.34
6	Know Compound peak (added by lab)	12.22			4.95
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

Results for Organics
by EPA 504

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3343
Lab Project ID:

Analyzed By: CLP
Date Collected:
Date Received:
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0 0202	1	8/1/05

Reviewed By: _____

8011_LIMS_1 3

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	RML
Client Project ID:		Date Collected:	
Lab Sample ID:	pb3306	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	3306		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	5.00	25	UG/L	6020	7/27/2005

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
Sample prepared by SM 3030C.

Reviewed By: _____
MET_LIMS_3 1

Control Limits for QC Check / Laboratory Control Spike

Method : 601 **Spike[ppb] : 10**
Instrument : gc3
Filename : 072605\004f0101.txt

			QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Bromodichloromethane	10.5	105.0	76.0	124.0	105	42	172
Bromoform	9.7	96.5	73.5	126.5	97	13	159
Bromomethane	9.1	91.3	58.5	141.5	91	D	144
Carbon tetrachloride	11.2	112.2	68.5	131.5	112	43	143
Chlorobenzene	10.7	106.8	72.0	128.0	107	38	150
Chloroethane	10.0	100.4	77.0	123.0	100	46	137
Chloroform	10.7	107.4	75.0	125.0	107	49	133
Chloromethane	10.3	103.2	59.5	140.5	103	D	193
Dibromochloromethane	10.2	102.3	65.5	134.5	102	24	191
• 1,2-Dibromoethane	10.1	100.7	13.6	186.4	101	D	206
1,2-Dichlorobenzene	10.8	107.9	70.0	130.0	108	D	208
1,3-Dichlorobenzene	10.9	108.6	49.5	150.5	109	7	187
1,4-Dichlorobenzene	11.0	109.6	69.5	130.5	110	42	143
1,1-Dichloroethane	10.8	108.0	84.0	116.0	108	47	132
1,2-Dichloroethane	10.5	105.4	71.5	128.5	105	51	147
1,1-Dichloroethene	10.6	106.0	63.0	137.0	106	28	167
• cis-1,2-Dichloroethene	10.8	108.1	34.4	180.6	108	19	181
trans-1,2-Dichloroethene	10.8	108.4	64.0	136.0	108	38	155
1,2-Dichloropropane	10.7	107.5	74.0	126.0	107	44	156
cis-1,3-Dichloropropene	10.4	104.3	64.0	136.0	104	22	178
trans-1,3-Dichloropropene	9.7	97.4	64.0	136.0	97	22	178
Methylene Chloride	10.6	106.3	77.5	122.5	106	25	162
1,1,2,2-Tertrachloroethane	10.3	102.9	49.0	151.0	103	8	184
Tetrachloroethane	11.0	110.4	70.0	130.0	110	26	162
1,1,1-Trichloroethane	10.9	109.4	71.0	129.0	109	41	138
1,1,2-Trichloroethane	10.1	101.4	78.5	121.5	101	39	136
Trichloroethene	11.2	112.2	77.0	123.0	112	35	146
Trichlorofluromethane	10.1	100.6	66.5	133.5	101	21	156
Vinyl Chloride	10.2	101.7	68.5	131.5	102	28	163

Method: 602 **Spike[ppb] : 10**
Instrument : gc3
Filename : 072605\004r0101.txt

			QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Benzene	10.3	102.8	77.0	123.0	103	39	150
Chlorobenzene	10.1	100.9	80.5	119.5	101	55	135
1,2-Dichlorobenzene	10.3	103.5	68.0	132.0	103	37	154
1,3-Dichlorobenzene	10.0	100.3	72.5	127.5	100	50	141
1,4-Dichlorobenzene	10.1	101.1	69.5	130.5	101	42	143
• Diisopropyl ether	9.9	99.3	43.1	156.9	99	30	170
Ethylbenzene	10.4	104.2	63.0	137.0	104	32	160
• MTBE	10.2	102.0	46.8	153.2	102	35	165
Toluene	10.3	103.1	77.5	127.0	103	46	148
• m,p-Xylene	21.2	105.9	11.2	188.8	106	D	239
• o-Xylene	10.4	104.3	47.6	152.4	104	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected

Reviewed by: ____

VO34.112202.1

Control Limits for MS-MSD

Method : 601 **Spike[ppb] :** 10
Instrument : gc3
Sample : 072605\018f0101.txt
MS : 072605\019f0101.txt
MSD : 072605\020f0101.txt

5

	µg/L			P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Bromodichloromethane	ND	11.3	11.2	113	112	42	172
Bromoform	ND	9.1	8.9	91	89	13	159
Bromomethane	ND	10.7	11.0	107	110	D	144
Carbon tetrachloride	ND	13.6	13.4	136	134	43	143
Chlorobenzene	ND	11.5	11.1	115	111	38	150
Chloroethane	ND	12.1	12.1	121	121	46	137
Chloroform	ND	12.4	12.1	124	121	49	133
Chloromethane	ND	12.1	11.8	121	118	D	193
Dibromochloromethane	ND	10.0	10.0	100	100	24	191
• 1,2-Dibromoethane	ND	10.3	9.9	103	99	D	206
1,2-Dichlorobenzene	ND	10.5	10.3	105	103	D	208
1,3-Dichlorobenzene	ND	11.2	10.8	112	108	7	187
1,4-Dichlorobenzene	ND	11.0	10.8	110	108	42	143
1,1-Dichloroethane	ND	12.7	12.4	127	124	47	132
1,2-Dichloroethane	ND	10.8	10.4	108	104	51	147
1,1-Dichloroethene	ND	14.0	13.6	136	132	28	167
• cis-1,2-Dichloroethene	22.68	32.8	32.6	101	99	19	181
trans-1,2-Dichloroethene	ND	13.6	13.2	136	132	38	155
1,2-Dichloropropane	ND	12.3	12.0	122	120	44	156
cis-1,3-Dichloropropene	ND	10.8	10.6	108	106	22	178
trans-1,3-Dichloropropene	ND	9.3	9.2	89	88	22	178
Methylene Chloride	ND	11.5	11.2	115	112	25	162
1,1,2,2-Tertrachloroethane	ND	9.7	9.5	97	95	8	184
Tetrachloroethane	ND	12.5	12.2	125	122	26	162
1,1,1-Trichloroethane	ND	13.3	13.1	133	131	41	138
1,1,2-Trichloroethane	ND	10.0	9.7	100	97	39	136
Trichloroethene	25.66	36.2	35.5	106	99	35	146
Trichlorofluromethane	ND	12.2	11.9	122	119	21	156
Vinyl Chloride	5.89	17.5	17.8	117	119	28	163

Method: 602 **Spike[ppb] :** 10
Instrument : gc3
Sample : 072605\018r0101.txt
MS : 072605\019r0101.txt
MSD : 072605\020r0101.txt

	µg/L			P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Benzene	ND	10.4	10.3	104	103	39	150
Chlorobenzene	ND	9.6	9.5	96	95	55	135
1,2-Dichlorobenzene	ND	9.6	9.6	96	96	37	154
1,3-Dichlorobenzene	ND	9.0	8.9	90	89	50	141
1,4-Dichlorobenzene	ND	9.0	8.9	90	89	42	143
• Diisopropyl ether	ND	9.3	9.1	93	91	30	170
Ethylbenzene	ND	10.7	10.6	107	106	32	160
• MTBE	ND	10.7	10.5	105	104	35	165
Toluene	ND	10.5	10.4	105	104	46	148
• m,p-Xylene	ND	21.5	21.2	107	106	D	239
• o-Xylene	ND	9.9	9.8	99	98	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected
ND = None Detected

Reviewed by: _____

Results For Matrix Spike / Matrix Spike Duplicate and Laboratory Control Standard (MS/MSD/LCS)
by GCMS

Client Sample ID: Batch QC
Client Sample ID:
Lab Sample ID: Batch-3298-MS/MSD/LCS
Lab Project ID:
Matrix: WATER
Prep Method: 3520

Date Collected:
Date Received:
Date Extracted: 07/26/05
Date Analyzed: 07/28/05
Analyzed By: MRC
Dilution: 1

	Sample Amount (µg/L)	MS Spike (µg/L)	MS Conc. (µg/L)	MS Spike % Rec.	MSD Spike (µg/L)	MSD Conc. (µg/L)	MSD Conc. % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
Acenaphthylene	BQL	250	274	110	250	287	115.0	4.45	30	62.0-119
4-Chloro-3-methylphenol	BQL	250	244	97.5	250	250	100*	2.63	30	67.0-98.0
2-Chlorophenol	BQL	250	224	89.6	250	217	86.7	3.29	30	53.0-111
1,4-Dichlorobenzene	BQL	250	158	63.4	250	138	55.4	13.5	30	29.0-86.0
2,4-Dinitrotoluene	BQL	250	295	118*	250	309	124*	4.63	30	63.0-103
N-Nitrosodi-n-propylamine	BQL	250	275	110*	250	272	109*	1.00	30	67.0-107
4-Nitrophenol	BQL	250	354	141	250	386	154*	8.79	30	49.0-146
Pentachlorophenol	BQL	250	226	90.4	250	234	93.4	3.26	30	43.0-106
Phenol	BQL	250	234	93.4	250	228	91.4	2.16	30	61.0-100
Pyrene	BQL	250	344	137*	250	346	138*	0.653	30	41.0-123
1,2,4-Trichlorobenzene	BQL	250	206	82.4	250	202	80.9	1.84	30	41.0-96.0

	Spiked Amount (µg/L)	LCS Conc. (µg/L)	LCS Spike %	QC Limits % Rec.
Acenaphthylene	100	105	105	66.1-116
4-Chloro-3-methylphenol	100	93.7	93.7	64.3-97.6
2-Chlorophenol	100	82.3	82.3	56.9-93.4
1,4-Dichlorobenzene	100	49.7	49.7	20.6-82.8
2,4-Dinitrotoluene	100	113	98	63.7-101
N-Nitrosodi-n-propylamine	100	100	100	62.6-108
4-Nitrophenol	100	134	123	53.7-125
Pentachlorophenol	100	82.7	82.7	37.0-102
Phenol	100	86.4	86.4	57.4-99.5
Pyrene	100	140	118	44.1-124
1,2,4-Trichlorobenzene	100	67.0	67.0	37.6-97.9

Comments:

Concentrations reflect the spiked sample amounts.

Flags:

* = Out of limits.
NA = Not applicable.

Reviewed By: _____

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 07/14/05 PID Initial Calibration Date: 07/14/05

Calibration Ranges and Limits

Range	MDL (07/15/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_5-C_8 Aliphatics	4.4	14	100	10
C_9-C_{12} Aliphatics	3.4	11	100	10
C_9-C_{10} Aromatics	0.13	0.41	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	%RSD or CCC	Method of Quantitation
C_5-C_8 Aliphatics	40	10.9	Calibration Factor
	1000		
	2000		
	3000		
	4000		
C_9-C_{12} Aliphatics	10	21.9	Calibration Factor
	250		
	500		
	750		
	1000		
C_9-C_{10} Aromatics	10	19.5	Calibration Factor
	250		
	500		
	750		
	1000		

Calibration Check Date: 07/25/05

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	11.8
C_9-C_{12} Aliphatics	500	50	6.4
C_9-C_{10} Aromatics	500	50	-1.7

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 07/05/05

Calibration Ranges and Limits

Range	MDL (2/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_9-C_{18} Aliphatics	3.84	12.2	100	10
C_{19}-C_{36} Aliphatics	0.57	1.8	100	10
C_{11}-C_{22} Aromatics	4.54	14.4	100	10

Calibration Concentration Levels

Range	Levels (µg/mL)	%RSD or CCC	Method of Quantitation
C_9-C_{18} Aliphatics	6	16.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	9.4	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	16.4	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 08/01/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	18.0
C_{19}-C_{36} Aliphatics	160	-4.3
C_{11}-C_{22} Aromatics	340	-10.1

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

QC Results for EDB
by EPA 8011/504

Client Sample ID: Batch QC
Lab Sample ID G311-130-1P
Batch ID: 3343

Analyzed By: CLP
Matrix: Water

MS/MSD

Analyte	Sample ug/L	Spiked ug/L	MS ug/L	REC %	Spiked ug/L	MSD ug/L	REC %	RPD %
EDB	BQL	0 0559	0 0591	106	0.0559	0 0608	109	2.79

LCS

Analyte		Spiked ug/L	Result ug/L	REC %	Limits	
					Lower	Upper
EDB		0 059988	0 0592	98 7	70	130

Comments:

= Outside Control Limits

METALS Results for LCS/LCD

ICP Batch: 3306
HG Batch:
Other:

Matrix: WATER
Units: MG/L

Analyte	TRUE Value	LCS	LCS %REC		LCD	LCD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Lead	0.40	0.353	88.2		0.351	87.7		80	120	0.57		20

Reviewed By: _____

MS/MSD Results for METALS

Lab ID: G122-2627-1
MS Lab ID: G122-2627-1
MSD Lab ID: G122-2627-1
ICP Batch: 3306
HG Batch:
Other:

Analyzed By: RML
Matrix: Water
Units: MG/L

Analyte	Sample Result	SA MS	MS Result	MS %REC	SA MSD	MSD Result	MSD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Lead	0.0102	40.0	36	90.0	40.0	37.9	94.7	75	125	5.1421	20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: RW

List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit

DF = Dilution Factor

Dup = Duplicate

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details

2) Uncertainty for all reported data is less than or equal to 30 percent.

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 47801

Page 1 of 1

Client: ECS, Ltd
Address: 6909 International Dr, Ste 103
Address: Greensboro, NC 27409
Quote #: 1842

Project ID: Elm St, LLC
Contact: Jason Ricks
Phone: (336) 856-7150
Fax: 856-7160

Date: 7/22/05
Turnaround: Standard
Job Number: G-9506
P.O. Number:

Report To: jricks@ecslimited.com
Invoice To:

Sample ID	Date	Time	Matrix	Preservatives: None	HCL	HNO_3		Analyses: 601/602	EPH	VPH	625 BN+10 TICS	3030C Lead	504.1 EDB					Comments: Please specify any special reporting requirements
EMW-1	7/22/05	1:35	GW	X	X	X		X	X	X	X	X	X					City of Greensboro Project
Equip Blank-4	↓	1:10	GW		X			X										
																		G161-2085

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
[signature]	7/22/05	4:30	[signature]	7/23/05	1035	0.3°	NC (X) SC ____ Other ____
							SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

ELM STREET, LLC PROPERTY
LABORATORY QA/QC DATA

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557

Mr. John Lair
ECS
6909 International Drive
Suite 103
Greensboro NC 27409
Report Number: G161-2054

Client Project: Elm Street, LLC

Dear Mr. Lair:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
Paradigm Analytical Laboratories, Inc.

7/25/05

Laboratory Director Date
J. Patrick Weaver

N.C. Certification #481 S.C. Certification #99029

CASE NARRATIVE

Date: September 16, 2005

ECS Project ID: Elm Street LLC
Paradigm Analytical ID: G161-2054

One soil sample was received at the laboratory July 2 for analysis as indicated on the chain of custody. The sample was received in good condition, within temperature and holding time limits.

All extractions and analyses were completed within holding time.

The following discussion details quality control results by parameter.

8260

The sample passed surrogate spike limits.

The MS/MSD pair passed all acceptance limits.

The LCS passed acceptance limits.

8270

The sample passed surrogate spike limits.

The MS/MSD pair had some recovery failures.

The associated LCS passed all recovery limits allowing data validation.

VPH

The sample passed surrogate spike limits.

The MS/MSD pair passed all acceptance limits.

The LCS passed acceptance limits.

EPH

The sample passed surrogate spike limits.

The MS/MSD pair passed all acceptance limits.

The LCS passed acceptance limits.

List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit

DF = Dilution Factor

Dup = Duplicate

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

MI34.011404.1

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 47735
Page 1 of 1

Client: ECS, Ltd.
Address: 6609 International Drive
Address: Greensboro, NC 27409
Quote #:

Project ID: Elm Street, LLC
Contact: John Lair
Phone: 336 856-7150
Fax: 336 856-7160

Date: 7/1/05
Turnaround: 7/8/05
Job Number: G-9506
P.O. Number:

Report To: ECS, Ltd.
GSO, NC
ECS, Ltd.
Invoice To: Attn: John Lair

Sample ID	Date	Time	Matrix	Preservatives: None	Methanol/Sodium Bisulfate	Analyses: 8260/5035	8270BN	VPH	EPH	Comments: Please specify any special reporting requirements
MW-1-3	7/1/05	1045	S	X	X	X	X	X	X	City of Greensboro S. Elm Street Brownfields Project G11-2054

Relinquished By	Date	Time	Received By	Date	Time	Temperature
[signature]	7/1/05		Fed. Ex.	7/1/05		On Ice
			[signature]	7/2/05	10:55	2.9

State Certification Requested: NC (X) SC ____ Other ____

SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. Certification #481 S.C. Certification #99029

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: MW-1-3
Client Project ID: Elm Street, LLC
Lab Sample ID G161-2054-1A
Lab Project ID: G161-2054
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 07-01-2005 10:45
Date Received: 7/2/2005
Matrix: Soil
%Solids: 86.3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0381	1	7/8/2005
Benzene	BQL	0.00381	1	7/8/2005
Bromobenzene	BQL	0.00381	1	7/8/2005
Bromochloromethane	BQL	0.00381	1	7/8/2005
Bromodichloromethane	BQL	0.00381	1	7/8/2005
Bromoform	BQL	0.00381	1	7/8/2005
Bromomethane	BQL	0.00381	1	7/8/2005
2-Butanone	BQL	0.0191	1	7/8/2005
n-Butylbenzene	BQL	0.00381	1	7/8/2005
sec-Butylbenzene	BQL	0.00381	1	7/8/2005
tert-Butylbenzene	BQL	0.00381	1	7/8/2005
Carbon disulfide	BQL	0.00381	1	7/8/2005
Carbon tetrachloride	BQL	0.00381	1	7/8/2005
Chlorobenzene	BQL	0.00381	1	7/8/2005
Chloroethane	BQL	0.00381	1	7/8/2005
Chloroform	BQL	0.00381	1	7/8/2005
Chloromethane	BQL	0.00381	1	7/8/2005
2-Chlorotoluene	BQL	0.00381	1	7/8/2005
4-Chlorotoluene	BQL	0.00381	1	7/8/2005
Dibromochloromethane	BQL	0.00381	1	7/8/2005
1,2-Dibromo-3-chloropropane	BQL	0.00381	1	7/8/2005
Dibromomethane	BQL	0.00381	1	7/8/2005
1,2-Dibromoethane (EDB)	BQL	0.00381	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.00381	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.00381	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.00381	1	7/8/2005
trans-1,4-Dichloro-2-butene	BQL	0.00381	1	7/8/2005
1,1-Dichloroethane	BQL	0.00381	1	7/8/2005
1,1-Dichloroethene	BQL	0.00381	1	7/8/2005
1,2-Dichloroethane	BQL	0.00381	1	7/8/2005
cis-1,2-Dichloroethene	BQL	0.00381	1	7/8/2005
trans-1,2-dichloroethene	BQL	0.00381	1	7/8/2005
1,2-Dichloropropane	BQL	0.00381	1	7/8/2005
1,3-Dichloropropane	BQL	0.00381	1	7/8/2005
2,2-Dichloropropane	BQL	0.00381	1	7/8/2005
1,1-Dichloropropene	BQL	0.00381	1	7/8/2005
cis-1,3-Dichloropropene	BQL	0.00381	1	7/8/2005
trans-1,3-Dichloropropene	BQL	0.00381	1	7/8/2005
Dichlorodifluoromethane	BQL	0.00381	1	7/8/2005
Diisopropyl ether (DIPE)	BQL	0.00381	1	7/8/2005
Ethylbenzene	BQL	0.00381	1	7/8/2005
Hexachlorobutadiene	BQL	0.00381	1	7/8/2005
2-Hexanone	BQL	0.00381	1	7/8/2005
Iodomethane	BQL	0.00381	1	7/8/2005

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: MW-1-3
Client Project ID: Elm Street, LLC
Lab Sample ID G161-2054-1A
Lab Project ID: G161-2054
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 07-01-2005 10:45
Date Received: 7/2/2005
Matrix: Soil
%Solids: 86.3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00381	1	7/8/2005
4-Isopropyltoluene	BQL	0.00381	1	7/8/2005
Methylene chloride	BQL	0.0153	1	7/8/2005
4-Methyl-2-pentanone	BQL	0.00381	1	7/8/2005
Methyl-tert-butyl ether (MTBE)	BQL	0.00381	1	7/8/2005
Naphthalene	BQL	0.00381	1	7/8/2005
n-Propyl benzene	BQL	0.00381	1	7/8/2005
Styrene	BQL	0.00381	1	7/8/2005
1,1,1,2-Tetrachloroethane	BQL	0.00381	1	7/8/2005
1,1,2,2-Tetrachloroethane	BQL	0.00381	1	7/8/2005
Tetrachloroethene	BQL	0.00381	1	7/8/2005
Toluene	BQL	0.00381	1	7/8/2005
1,2,3-Trichlorobenzene	BQL	0.00381	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.00381	1	7/8/2005
Trichloroethene	BQL	0.00381	1	7/8/2005
1,1,1-Trichloroethane	BQL	0.00381	1	7/8/2005
1,1,2-Trichloroethane	BQL	0.00381	1	7/8/2005
Trichlorofluoromethane	BQL	0.00381	1	7/8/2005
1,2,3-Trichloropropane	BQL	0.00381	1	7/8/2005
1,2,4-Trimethylbenzene	BQL	0.00381	1	7/8/2005
1,3,5-Trimethylbenzene	BQL	0.00381	1	7/8/2005
Vinyl chloride	BQL	0.00381	1	7/8/2005
m-,p-Xylene	BQL	0.00763	1	7/8/2005
o-Xylene	BQL	0.00381	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0484	97
1,2-Dichloroethane-d4	0.05	0.0519	104
Toluene-d8	0.05	0.0506	101

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: RNP

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK3070805B
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected:
Date Received:
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result mg/kg	Quantitation Limit mg/kg	Dilution Factor	Date Analyzed
Acetone	BQL	0.0500	1	7/8/2005
Benzene	BQL	0.00500	1	7/8/2005
Bromobenzene	BQL	0.00500	1	7/8/2005
Bromochloromethane	BQL	0.00500	1	7/8/2005
Bromodichloromethane	BQL	0.00500	1	7/8/2005
Bromoform	BQL	0.00500	1	7/8/2005
Bromomethane	BQL	0.00500	1	7/8/2005
2-Butanone	BQL	0.0250	1	7/8/2005
n-Butylbenzene	BQL	0.00500	1	7/8/2005
sec-Butylbenzene	BQL	0.00500	1	7/8/2005
tert-Butylbenzene	BQL	0.00500	1	7/8/2005
Carbon disulfide	BQL	0.00500	1	7/8/2005
Carbon tetrachloride	BQL	0.00500	1	7/8/2005
Chlorobenzene	BQL	0.00500	1	7/8/2005
Chloroethane	BQL	0.00500	1	7/8/2005
Chloroform	BQL	0.00500	1	7/8/2005
Chloromethane	BQL	0.00500	1	7/8/2005
2-Chlorotoluene	BQL	0.00500	1	7/8/2005
4-Chlorotoluene	BQL	0.00500	1	7/8/2005
Dibromochloromethane	BQL	0.00500	1	7/8/2005
1,2-Dibromo-3-chloropropane	BQL	0.00500	1	7/8/2005
Dibromomethane	BQL	0.00500	1	7/8/2005
1,2-Dibromoethane (EDB)	BQL	0.00500	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.00500	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.00500	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.00500	1	7/8/2005
trans-1,4-Dichloro-2-butene	BQL	0.00500	1	7/8/2005
1,1-Dichloroethane	BQL	0.00500	1	7/8/2005
1,1-Dichloroethene	BQL	0.00500	1	7/8/2005
1,2-Dichloroethane	BQL	0.00500	1	7/8/2005
cis-1,2-Dichloroethene	BQL	0.00500	1	7/8/2005
trans-1,2-dichloroethene	BQL	0.00500	1	7/8/2005
1,2-Dichloropropane	BQL	0.00500	1	7/8/2005
1,3-Dichloropropane	BQL	0.00500	1	7/8/2005
2,2-Dichloropropane	BQL	0.00500	1	7/8/2005
1,1-Dichloropropene	BQL	0.00500	1	7/8/2005
cis-1,3-Dichloropropene	BQL	0.00500	1	7/8/2005
trans-1,3-Dichloropropene	BQL	0.00500	1	7/8/2005
Dichlorodifluoromethane	BQL	0.00500	1	7/8/2005
Diisopropyl ether (DIPE)	BQL	0.00500	1	7/8/2005
Ethylbenzene	BQL	0.00500	1	7/8/2005
Hexachlorobutadiene	BQL	0.00500	1	7/8/2005
2-Hexanone	BQL	0.00500	1	7/8/2005
Iodomethane	BQL	0.00500	1	7/8/2005

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK3070805B
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected:
Date Received:
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result mg/kg	Quantitation Limit mg/kg	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00500	1	7/8/2005
4-Isopropyltoluene	BQL	0.00500	1	7/8/2005
Methylene chloride	BQL	0.0200	1	7/8/2005
4-Methyl-2-pentanone	BQL	0.00500	1	7/8/2005
Methyl-tert-butyl ether (MTBE)	BQL	0.00500	1	7/8/2005
Naphthalene	BQL	0.00500	1	7/8/2005
n-Propyl benzene	BQL	0.00500	1	7/8/2005
Styrene	BQL	0.00500	1	7/8/2005
1,1,1,2-Tetrachloroethane	BQL	0.00500	1	7/8/2005
1,1,2,2-Tetrachloroethane	BQL	0.00500	1	7/8/2005
Tetrachloroethene	BQL	0.00500	1	7/8/2005
Toluene	BQL	0.00500	1	7/8/2005
1,2,3-Trichlorobenzene	BQL	0.00500	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.00500	1	7/8/2005
Trichloroethene	BQL	0.00500	1	7/8/2005
1,1,1-Trichloroethane	BQL	0.00500	1	7/8/2005
1,1,2-Trichloroethane	BQL	0.00500	1	7/8/2005
Trichlorofluoromethane	BQL	0.00500	1	7/8/2005
1,2,3-Trichloropropane	BQL	0.00500	1	7/8/2005
1,2,4-Trimethylbenzene	BQL	0.00500	1	7/8/2005
1,3,5-Trimethylbenzene	BQL	0.00500	1	7/8/2005
Vinyl chloride	BQL	0.00500	1	7/8/2005
m-,p-Xylene	BQL	0.0100	1	7/8/2005
o-Xylene	BQL	0.00500	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.049	98
1,2-Dichloroethane-d4	0.05	0.0506	101
Toluene-d8	0.05	0.0484	97

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: RNP

N.C. Certification #481 S.C. Certification #99029

Results for LCS/LCSD
by GC/MS 8260/5035

Client Project ID: Batch QC
Lab Sample ID: LCS3070805b
Batch ID: 3070805

Date Analyzed: 8 Jul 2005 9:20 am
Matrix: Soil
Analyzed By: RNP

Compound	Spike conc. ug/L	Recovered LCS %	Recovered LCSD %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	100	98.0	102.2	77.6	122	4.3	30
chlorobenzene	100	94.9	99.1	75.3	125	4.3	30
1,1-dichloroethene	100	101.5	106.0	78.5	121	4.4	30
toluene	100	101.8	105.8	75.7	124	3.9	30
trichloroethene	100	98.3	101.7	60.8	139	3.4	30

Comments:

Concentrations are on column amounts.
Concentration Units: ug/L

Flags:

* = Out of limits.
NA = Not applicable
BQL = Below quantitation limit.

Reviewed By: RNP

VO41.072303.1

Results for MS/MSD
by GC/MS 8260/5035

Client Project ID: Batch QC
Lab Sample ID: G161-2047-15c
Batch ID: 3070805

Date Analyzed: 8 Jul 2005 6:42 pm
Matrix: Soil
Analyzed By: RNP

Compound	Unspiked Sample ug/L	Spike conc. ug/L	Recovered MS %	Recovered MSD %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	0.5	100	102.6	103.2	74.8	133	0.6	30
chlorobenzene	BQL	100	86.4	88.0	66.3	135	1.9	30
1,1-dichloroethene	BQL	100	105.1	103.5	72.0	135	1.6	30
toluene	5.1	100	95.6	107.6	70.5	138	11.7	30
trichloroethene	BQL	100	97.6	97.9	60.7	152	0.4	30

Comments:

Concentrations are on column amounts.
Concentration Units: ug/L

Flags:

* = Out of limits.
NA = Not applicable
BQL = Below quantitation limit.

Reviewed By: RNP

VO41 072303.1

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	MW-1-3	101	97	104		0
02	G161-2047-15A MSD	103	110	98.0		0
03	G161-2047-15B MS	102	102	102		0
04	G161-2047-15C	102	97	105		0
05	LCS3070805A	104	100	96.0		0
06	VBLK3070805B	97	98	101		0
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	QC LIMITS
SMC1 (TOL) = Toluene-d8	(59-144)
SMC2 (BFB) = Bromofluorobenzene	(49-151)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(38-170)

Column to be used to flag recovery values.

* Values outside of contract required QC limits.

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No :

Matrix Spike - EPA Sample No : G161-2047-15C

COMPOUND	SAMPLE CONC (µg/kg)	MS SPIKE (µg/kg)	MS CONC (µg/kg)	MS % REC #	MSD SPIKE (µg/kg)	MSD CONC (µg/kg)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
acetone	BQL	100	173	173	100	172	172	0.232	30	6.81-355
acrolein	BQL	1000	82.3	8.23	1000	85.7	8.57	4.06	30	NA-6510
acrylonitrile	BQL	1000	146	14.6	1000	141	14.1	3.10	30	NA-5670
benzene	BQL	100	103	103	100	103	103	0.612	30	74.8-133
bromobenzene	BQL	100	86.3	86.3	100	85.6	85.6	0.896	30	66.1-140
bromochloromethane	BQL	100	122	122	100	119	119	2.07	30	85.1-136
bromodichloromethane	BQL	100	116	116	100	113	113	3.02	30	77.4-140
bromoform	BQL	100	134	134	100	124	124	7.41	30	74.7-161
bromomethane	BQL	100	94.5	94.5	100	101	101	6.34	30	30.4-127
2-butanone	BQL	100	164	164	100	160	160	2.44	30	40.9-256
n-butylbenzene	BQL	100	59.8	59.8	100	57.9	57.9	3.18	30	41.2-147
sec-butylbenzene	BQL	100	72.3	72.3	100	67.1	67.1	7.39	30	56.7-138
tert-butylbenzene	BQL	100	77.5	77.5	100	67.6	67.6	13.6	30	60.5-142
Carbon disulfide	BQL	100	99.2	99.2	100	101	101	2.03	30	64.3-145
carbon tetrachloride	BQL	100	106	106	100	102	102	4.16	30	64.2-142
chlorobenzene	BQL	100	86.4	86.4	100	88.0	88.0	1.87	30	66.3-135
chloroethane	BQL	100	39.2	39.2	100	39.0	39.0	0.460	30	20.7-182
2-chloroethyl vinyl ether	BQL	100	0.00	0.00	100	0.00	0.00	--	30	0.00-0.00
chloroform	BQL	100	113	113	100	111	111	1.86	30	71.1-143
chloromethane	BQL	100	112	112	100	106	106	5.26	30	69.1-138
2-chlorotoluene	BQL	100	78.1	78.1	100	76.2	76.2	2.52	30	59.8-144
4-chlorotoluene	BQL	100	73.0	73.0	100	74.2	74.2	1.67	30	59.0-141
dibromochloromethane	BQL	100	114	114	100	110	110	3.64	30	78.1-141
1,2-dibromo-3-chloropropane	BQL	500	135	27.1 *	500	122	24.5 *	10.0	30	43.4-229
1,2-dibromomethane	BQL	100	119	119	100	115	115	3.25	30	78.3-148
dibromomethane	BQL	100	125	125	100	121	121	2.98	30	80.0-150
1,2-dichlorobenzene	BQL	100	80.3	80.3	100	77.2	77.2	3.92	30	57.5-148
1,3-dichlorobenzene	BQL	100	73.4	73.4	100	71.7	71.7	2.40	30	55.0-145
1,4-dichlorobenzene	BQL	100	72.0	72.0	100	70.5	70.5	2.08	30	53.4-146
trans-1,4-Dichloro-2-butene	BQL	500	115	22.9 *	500	112	22.3 *	2.55	30	48.9-211
dichlorodifluoromethane	BQL	100	109	109	100	106	106	3.33	30	81.6-130
1,1-dichloroethane	BQL	100	111	111	100	110	110	1.67	30	71.6-139
1,2-dichloroethane	BQL	100	122	122	100	118	118	2.98	30	72.9-146
1,1-dichloroethene	BQL	100	105	105	100	104	104	1.55	30	72.0-135
cis-1,2-dichloroethene	BQL	100	107	107	100	107	107	0.279	30	76.9-134
trans-1,2-dichloroethene	BQL	100	102	102	100	103	103	1.21	30	72.0-135
1,2-dichloropropane	BQL	100	112	112	100	110	110	1.65	30	76.1-136
1,3-dichloropropane	BQL	100	116	116	100	113	113	2.78	30	83.2-137
2,2-dichloropropane	BQL	100	101	101	100	100	100	1.31	30	58.0-150
1,1-dichloropropene	BQL	100	99.9	99.9	100	99.5	99.5	0.391	30	68.5-137
cis-1,3-dichloropropene	BQL	100	110	110	100	109	109	0.511	30	72.1-146

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 72 outside of limits

Spike Recovery: 4 out of 144 outside of limits

COMMENTS: _____

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

3B

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: G161-2047-15C

COMPOUND	SAMPLE CONC (µg/kg)	MS SPIKE (µg/kg)	MS CONC (µg/kg)	MS % REC #	MSD SPIKE (µg/kg)	MSD CONC (µg/kg)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
trans-1,3-dichloropropene	BQL	100	113	113	100	111	111	1.89	30	72.5-152
Diisopropyl ether	BQL	100	109	109	100	109	109	0.212	30	59.9-147
ethylbenzene	BQL	100	85.4	85.4	100	90.2	90.2	5.47	30	68.5-135
hexachlorobutadiene	BQL	100	47.7	47.7	100	41.2	41.2	14.7	30	12.1-169
2-hexanone	BQL	100	129	129	100	123	123	4.85	30	39.9-238
Iodomethane	BQL	100	114	114	100	122	122	6.70	30	39.5-177
isopropylbenzene	BQL	100	80.9	80.9	100	79.9	79.9	1.36	30	63.7-135
4-isopropyltoluene	BQL	100	67.9	67.9	100	57.3	57.3	17.0	30	53.2-142
Methyl-tert-butyl ether	BQL	100	127	127	100	127	127	0.0079	30	73.3-155
methylene chloride	BQL	100	110	110	100	110	110	0.318	30	54.3-156
4-methyl-2-pentanone	BQL	100	133	133	100	131	131	1.73	30	47.2-227
naphthalene	5.37	100	100	100	100	152	152	41.2 *	30	14.4-218
n-propyl benzene	BQL	100	75.7	75.7	100	74.2	74.2	2.11	30	61.7-134
styrene	BQL	100	84.8	84.8	100	86.2	86.2	1.74	30	65.7-133
1,1,1,2-tetrachloroethane	BQL	100	99.2	99.2	100	97.6	97.6	1.60	30	70.4-136
1,1,2,2-tetrachloroethane	BQL	100	128	128	100	133	133	3.71	30	68.8-175
tetrachloroethene	BQL	100	85.5	85.5	100	82.8	82.8	3.22	30	61.6-137
toluene	5.07	100	95.6	95.6	100	108	108	11.7	30	70.5-138
1,2,3-trichlorobenzene	BQL	100	68.2	68.2	100	57.9	57.9	16.3	30	13.2-190
1,2,4-trichlorobenzene	BQL	100	62.0	62.0	100	53.3	53.3	15.2	30	9.93-187
1,1,1-trichloroethane	BQL	100	108	108	100	104	104	4.14	30	66.9-142
1,1,2-trichloroethane	BQL	100	118	118	100	119	119	1.01	30	84.9-139
trichloroethene	BQL	100	97.6	97.6	100	98.0	98.0	0.389	30	60.7-152
trichlorofluoromethane	BQL	100	106	106	100	106	106	0.0755	30	55.0-162
1,2,3-trichloropropane	BQL	100	132	132	100	124	124	6.45	30	55.1-197
1,2,4-trimethylbenzene	BQL	100	73.6	73.6	100	71.6	71.6	2.67	30	61.1-141
1,3,5-trimethylbenzene	BQL	100	76.6	76.6	100	70.5	70.5	8.23	30	61.8-138
Vinyl acetate	BQL	250	96.2	38.5	250	102	40.9	6.05	30	NA-NA
vinyl chloride	BQL	100	117	117	100	114	114	3.16	30	80.9-129
m/p-xylene	BQL	200	163	81.6	200	175	87.7	7.18	30	68.0-135
o-xylene	BQL	100	86.4	86.4	100	90.4	90.4	4.59	30	71.1-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 72 outside of limits

Spike Recovery: 4 out of 144 outside of limits

COMMENTS: _____

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK3070805B

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab File ID: 0708307.D Lab Sample ID: VBLK3070805B

Date Analyzed: 07/08/05 Time Analyzed: 10:54

GC Column: DB-624 ID: 0.2 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSD3

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	NS4-15	G161-2047-15C	0708315.D	07/08 15:01
02	MW-1-3	G161-2054-1A	0708319.D	07/08 17:10
03	G161-2047-15B MS	G161-2047-15B MS	0708322.D	07/08 18:42
04	G161-2047-15A MSD	G161-2047-15A MSD	0708323.D	07/08 19:13
05				
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COMMENTS: _____

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab File ID: 0624316.D BFB Injection Date: 06/24/05

Instrument ID: MSD3 BFB Injection Time: 16:12

GC Column: DB-624 ID: 0.2 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS
50	15.0 - 40.0% of mass 95	15.7	Y
75	30.0 - 60.0% of mass 95	43.3	Y
95	Base peak, 100% relative abundance	100.0	Y
96	5.0 - 9.0% of mass 95	6.1	Y
173	Less than 2.0% of mass 174	0.0	Y
174	50.0 - 100.0% of mass 95	70.5	Y
175	5.0 - 9.0% of mass 174	7.8	Y
176	95.0 - 101.0% of mass 174	100.5	Y
177	5.0 - 9.0% of mass 176	7.2	Y

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD200	VSTD200	0624317.D	06/24/05	17:03
02	VSTD100	VSTD100	0624318.D	06/24/05	17:35
03	VSTD50	VSTD50	0624319.D	06/24/05	18:07
04	VSTD20	VSTD20	0624320.D	06/24/05	18:39
05	VSTD10	VSTD10	0624321.D	06/24/05	19:10
06	VSTD5	VSTD5	0624322.D	06/24/05	19:41
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N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab File ID: 0708301.D BFB Injection Date: 07/08/05

Instrument ID: MSD3 BFB Injection Time: 07:46

GC Column: DB-624 ID: 0.2 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS
50	15.0 - 40.0% of mass 95	17.8	Y
75	30.0 - 60.0% of mass 95	44.2	Y
95	Base peak, 100% relative abundance	100.0	Y
96	5.0 - 9.0% of mass 95	6.3	Y
173	Less than 2.0% of mass 174	0.0	Y
174	50.0 - 100.0% of mass 95	65.6	Y
175	5.0 - 9.0% of mass 174	5.9	Y
176	95.0 - 101.0% of mass 174	97.5	Y
177	5.0 - 9.0% of mass 176	7.2	Y

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	QCCHK100	QCCHK100	0708303.D	07/08/05	08:49
02	LCS3070805B	LCS3070805B	0708305.D	07/08/05	09:51
03	VBLK3070805B	VBLK3070805B	0708307.D	07/08/05	10:54
04	NS4-15	G161-2047-15C	0708315.D	07/08/05	15:01
05	MW-1-3	G161-2054-1A	0708319.D	07/08/05	17:10
06	G161-2047-15B MS	G161-2047-15B MS	0708322.D	07/08/05	18:42
07	G161-2047-15A MSD	G161-2047-15A MSD	0708323.D	07/08/05	19:13
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N.C. Certification #481 S.C. Certification #99029

Paradigm Analytical Laboratories, INC.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: AS No.: SDG No.:

Instrument ID: MSD3 Calibration Date(s): 06/24/05

Heated Purge: (Y/N) Y Calibration Times: 17:03

GC Column: DB-624 ID: 0.2 (mm)

LAB FILE ID: RRF5.0 = 0624322.D RRF10.0 = 0624321.D

RRF20.0 = 0624320.D RRF50.0 = 0624319.D RRF100.0 = 0624318.D RRF200.0 = 0624317.D

COMPOUND	RRF 5.0	RRF 10.0	RRF 20.0	RRF 50.0	RRF 100.0	RRF 200.0	ICAL RRF	% RSD
dichlorodifluoromethane	1.51	1.89	1.64	1.34		1.49	1.57	13.1
chloromethane	1.02	1.31	1.21	0.997		1.15	1.14	11.6
vinyl chloride	1.24	1.52	1.42	1.14		1.30	1.32	11.4
bromomethane	0.738	0.637	0.528	0.389		0.280	0.514	35.8
chloroethane	0.566	0.700	0.611	0.506		0.572	0.591	12.1
trichlorofluoromethane	1.32	1.64	1.40	1.16		1.32	1.37	12.8
acrolein	0.026	0.026	0.023	0.022		0.03	0.026	11.4
1,1-dichloroethene	0.926	0.827	0.756	0.681		0.708	0.779	12.7
acetone	0.533	0.413	0.352	0.292		0.321	0.382	25.0
methylene chloride	0.639	0.594	0.509	0.506		0.533	0.556	10.4
trans-1,2-dichloroethene	1.01	0.965	0.890	0.830		0.819	0.904	9.37
acrylonitrile	0.06	0.067	0.06	0.064		0.085	0.067	15.6
1,1-dichloroethane	1.49	1.43	1.30	1.28		1.39	1.38	6.44
2,2-dichloropropane	1.54	1.38	1.30	1.20		1.28	1.34	9.51
cis-1,2-dichloroethene	0.719	0.719	0.657	0.643		0.704	0.689	5.22
2-butanone	0.368	0.303	0.274	0.363		0.422	0.346	16.8
bromochloromethane	0.175	0.168	0.134	0.174		0.186	0.167	11.7
chloroform	1.13	1.09	0.996	1.02		1.13	1.07	5.80
1,1,1-trichloroethane	1.65	1.43	1.28	1.20		1.24	1.36	13.6
carbon tetrachloride	1.54	1.36	1.19	1.09		1.12	1.26	15.1
1,1-dichloropropene	1.60	1.48	1.33	1.18		1.22	1.36	13.0
1,2-dichloroethane-d4	0.143	0.144	0.143	0.156	0.168	0.177	0.155	9.39
benzene	3.24	3.20	2.85	2.71		2.96	2.99	7.60
1,2-dichloroethane	0.390	0.393	0.401	0.429		0.506	0.424	11.4
trichloroethene	0.985	0.948	0.826	0.771		0.804	0.867	10.8
1,2-dichloropropane	0.568	0.567	0.494	0.527		0.593	0.550	7.12
dibromomethane	0.138	0.138	0.136	0.152		0.183	0.149	13.5
bromodichloromethane	0.502	0.526	0.495	0.508		0.589	0.524	7.22
2-chloroethyl vinyl ether	0.088	0.04	0.037	0.056		0.188	0.082	76.9
cis-1,3-dichloropropene	0.592	0.593	0.541	0.583		0.682	0.598	8.56
4-methyl-2-pentanone	0.390	0.362	0.359	0.438		0.583	0.426	21.9
toluene-d8	0.648	0.662	0.665	0.646	0.681	0.696	0.666	2.92
toluene	2.03	1.89	1.66	1.63		1.75	1.79	9.28
Iodomethane	0.631	0.689	0.670	0.685		0.801	0.695	9.14
trans-1,3-dichloropropene	0.355	0.391	0.336	0.391		0.467	0.388	12.9
Vinyl acetate	0.029	0.031	0.035	0.043		0.055	0.038	27.4
Carbon disulfide	2.84	2.60	2.41	2.16		2.35	2.47	10.3
1,1,2-trichloroethane	1.65	2.41	1.79	2.16		2.45	2.09	17.1
tetrachloroethene	1.16	1.14	0.957	0.838		0.778	0.976	17.9
1,3-dichloropropane	4.47	5.22	4.19	4.71		5.20	4.76	9.51

Paradigm Analytical Laboratories, INC.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: AS No.: SDG No.:

Instrument ID: MSD3 Calibration Date(s): 06/24/05

Heated Purge: (Y/N) Y Calibration Times: 17:03

GC Column: DB-624 ID: 0.2 (mm)

LAB FILE ID: RRF5.0 = 0624322.D RRF10.0 = 0624321.D

RRF20.0 = 0624320.D RRF50.0 = 0624319.D RRF100.0 = 0624318.D RRF200.0 = 0624317.D

COMPOUND	RRF 5.0	RRF 10.0	RRF 20.0	RRF 50.0	RRF 100.0	RRF 200.0	ICAL RRF	% RSD
2-hexanone	4.19	3.52	3.47	4.03		5.25	4.09	17.6
dibromochloromethane	2.56	2.74	2.67	2.72		3.00	2.74	5.91
1,2-dibromoethane	2.13	2.14	2.06	2.25		2.45	2.20	6.87
chlorobenzene	1.89	2.05	1.72	1.62		1.57	1.77	11.4
1,1,1,2-tetrachloroethane	4.13	4.73	4.25	4.31		4.08	4.30	5.97
bromoform	0.841	0.833	1.07	1.12		1.36	1.05	21.1
4-bromofluorobenzene	2.09	2.51	2.32	2.22		2.28	2.28	6.84
bromobenzene	4.30	4.65	3.88	3.72		3.83	4.07	9.58
1,1,2,2-tetrachloroethane	1.86	1.84	1.66	2.06		2.32	1.95	12.9
1,2,3-trichloropropane	0.679	0.939	0.541	0.360		0.202	0.544	52.4
ethylbenzene	6.64	6.30	5.56	5.16		5.32	5.79	11.1
m/p-xylene	2.38	2.21	1.90	1.82		1.85	2.03	12.2
styrene	2.15	2.07	1.96	1.92		2.05	2.03	4.41
o-xylene	1.86	1.73	1.55	1.47		1.57	1.64	9.45
isopropylbenzene	6.32	6.04	5.13	4.62		4.85	5.39	13.9
n-propyl benzene	6.86	6.79	5.69	5.07		5.42	5.97	13.6
2-chlorotoluene	0.957	0.961	0.793	0.703		0.758	0.835	14.2
4-chlorotoluene	0.778	0.841	0.681	0.663		0.683	0.729	10.6
1,3,5-trimethylbenzene	3.60	3.64	3.03	2.88		3.09	3.25	10.8
tert-butylbenzene	4.02	3.88	3.18	2.79		2.91	3.36	16.8
1,2,4-trimethylbenzene	3.02	3.09	2.54	2.40		2.66	2.74	10.9
sec-butylbenzene	6.25	6.06	4.93	4.36		4.57	5.24	16.5
1,3-dichlorobenzene	1.18	1.24	1.02	0.951		0.922	1.06	13.0
4-isopropyltoluene	3.78	3.88	3.18	2.82		3.05	3.34	13.9
1,4-dichlorobenzene	1.02	1.08	1.02	0.858		0.937	0.985	8.95
1,2-dichlorobenzene	0.765	0.816	0.708	0.652		0.729	0.734	8.36
n-butylbenzene	3.36	3.62	2.81	2.51		2.74	3.01	15.4
1,2-dibromo-3-chloropropane	0.016	0.026	0.026	0.03		0.042	0.028	33.3
1,2,4-trichlorobenzene	0.164	0.334	0.250	0.231		0.286	0.253	25.0
hexachlorobutadiene	0.267	0.221	0.222	0.183		0.202	0.219	14.3
naphthalene	0.169	0.209	0.206	0.191		0.296	0.214	22.6
trans-1,4-Dichloro-2-butene	0.021	0.027	0.026	0.035		0.048	0.031	33.1
1,2,3-trichlorobenzene	0.143	0.226	0.152	0.165		0.205	0.178	20.0
MTBE	1.12	1.04	1.09	1.25		1.57	1.21	17.6
DIPE	3.73	3.51	3.37	3.63		4.08	3.66	7.31

Paradigm Analytical Laboratories, INC.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD3 Calibration Date: 07/08/05 Time: 8:49

Lab File ID: 0708303.D Init. Calib. Date: 06/24/05

EPA Sample No.: QCCHK100 Init. Calib. Time: 17:03

Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.2 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
1,1,1,2-tetrachloroethane	1.72	1.638		5.0	
1,1,1-trichloroethane	0.445	0.423		4.9	
1,1,2,2-tetrachloroethane	2.52	2.642	0.30	-4.9	
1,1,2-trichloroethane	1.56	1.522		2.2	
1,1-dichloroethane	0.568	0.557	0.10	1.9	
1,1-dichloroethene	0.241	0.238		1.2	20.0
1,1-dichloropropene	0.443	0.430		2.9	
1,2,3-trichlorobenzene	0.409	0.397		2.9	
1,2,3-trichloropropane	5.32	6.254		-17.6	
1,2,4-trichlorobenzene	0.446	0.439		1.6	
1,2,4-trimethylbenzene	1.52	1.498		1.1	
1,2-dibromo-3-chloropropane	0.487	0.499		-2.5	
1,2-dibromoethane	1.86	1.830		1.9	
1,2-dichlorobenzene	0.631	0.615		2.5	
1,2-dichloroethane	0.367	0.349		4.9	
1,2-dichloropropane	0.325	0.317		2.5	20.0
1,3,5-trimethylbenzene	1.53	1.505		1.4	
1,3-dichlorobenzene	0.710	0.685		3.5	
1,3-dichloropropane	3.33	3.276		1.7	
1,4-dichlorobenzene	0.718	0.697		2.9	
2,2-dichloropropane	0.453	0.418		7.7	
2-butanone	0.424	0.439		-3.5	
2-chloroethyl vinyl ether	0.00	0.000*		0.0	
2-chlorotoluene	0.373	0.362		2.9	
2-hexanone	5.53	5.519		0.2	
4-chlorotoluene	0.387	0.375		3.1	
4-isopropyltoluene	1.65	1.632		0.9	
4-methyl-2-pentanone	0.968	0.970		-0.2	
acetone	0.230	0.181		21.3	
acrolein	0.305	0.327		-7.2	
acrylonitrile	1.22	1.237		-1.6	
benzene	1.32	1.289		2.3	
bromobenzene	2.17	2.091		3.7	
bromochloromethane	0.114	0.115		-0.9	
bromochloropropane	1.00	1.000		0.0	
bromodichloromethane	0.343	0.338		1.5	
bromoform	1.14	1.179	0.10	-2.9	
bromomethane	0.09	0.077		14.4	
Carbon disulfide	0.897	0.879		2.0	
carbon tetrachloride	0.389	0.373		4.1	

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD3 Calibration Date: 07/08/05 Time: 8:49

Lab File ID: 0708303.D Init. Calib. Date: 06/24/05

EPA Sample No.: QCCHK100 Init. Calib. Time: 17:03

Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.2 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
chlorobenzene	6.542	6.256	0.30	4.4	
chloroethane	0.162	0.000*		100.0	
chloroform	0.497	0.497		0.0	20.0
chloromethane	0.323	0.293	0.10	9.3	
cis-1,2-dichloroethene	0.316	0.315		0.3	
cis-1,3-dichloropropene	0.429	0.433		-0.9	
dibromochloromethane	1.720	1.652		4.0	
dibromomethane	0.151	0.153		-1.3	
dichlorodifluoromethane	0.221	0.202		8.6	
DIPE	1.776	1.647		7.3	
ethylbenzene	2.007	1.990		0.8	20.0
fluorobenzene	1.000	1.000		0.0	
hexachlorobutadiene	0.185	0.185		0.0	
Iodomethane	0.209	0.238		-13.9	
isopropylbenzene	1.886	1.832		2.9	
m/p-xylene	0.740	0.722		2.4	
methylene chloride	0.297	0.289		2.7	
MTBE	1.065	1.043		2.1	
n-butylbenzene	1.725	1.710		0.9	
n-propyl benzene	2.355	2.370		-0.6	
naphthalene	1.218	1.156		5.1	
o-xylene	0.683	0.656		4.0	
sec-butylbenzene	2.110	2.086		1.1	
styrene	1.035	1.013		2.1	
tert-butylbenzene	1.266	1.250		1.3	
tetrachloroethene	2.260	2.194		2.9	
toluene	0.796	0.800		-0.5	20.0
trans-1,2-dichloroethene	0.314	0.313		0.3	
trans-1,3-dichloropropene	0.368	0.375		-1.9	
trans-1,4-Dichloro-2-butene	0.373	0.388		-4.0	
trichloroethene	0.324	0.314		3.1	
trichlorofluoromethane	0.347	0.285		17.9	
Vinyl acetate	0.131	0.140		-6.9	
vinyl chloride	0.333	0.328		1.5	20.0
1,2-dichloroethane-d4	0.313	0.297		5.1	
4-bromofluorobenzene	2.94	2.984		-1.3	
toluene-d8	0.721	0.747		-3.6	

N.C. Certification #481 S.C. Certification #99029

Paradigm Analytical Laboratories, INC.

LABORATORY CONTROL SAMPLE VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Paradigm Analytical Laboratories, INC.
Lab Code: NC00919 Case No.: SAS No.: SDG No:
Matrix: (soil/water) SOIL Lab Sample ID: LCS3070805A
Sample wt/vol: 5 (g) Lab File ID: 0708304.D
Level: (low/med) LOW
% Moisture: not dec. 0% Date Analyzed: 07/08/05 09:20
GC Column: DB-624 ID: 0.2 (mm) Dilution Factor: 1
Soil Extract Volume: NA Soil Aliquot Volume: NA

CAS NO.	COMPOUND	SPIKE AMT (µg/kg)	SAMP CONC (µg/kg)	% REC #	QC LIMITS
67-64-1	acetone	100	101	101	50.8-149
107-02-8	acrolein	1000	133	13.3	NA-238
107-13-1	acrylonitrile	1000	91.5	9.15	NA-212
71-43-2	benzene	100	98.0	98.0	77.6-122
108-86-1	bromobenzene	100	94.4	94.4	76.3-124
74-97-5	bromochloromethane	100	97.3	97.3	80.5-120
75-27-4	bromodichloromethane	100	95.9	95.9	77.4-122
75-25-2	bromoform	100	101	101	81.8-118
74-83-9	bromomethane	100	88.1	88.1	31.5-168
78-93-3	2-butanone	100	103	103	56.5-144
104-51-8	n-butylbenzene	100	99.0	99.0	76.8-123
135-98-8	sec-butylbenzene	100	100	100	78.5-122
98-06-6	tert-butylbenzene	100	98.2	98.2	77.7-122
75-15-0	Carbon disulfide	100	101	101	74.3-126
56-23-5	carbon tetrachloride	100	99.6	99.6	68.0-132
108-90-7	chlorobenzene	100	94.9	94.9	75.3-125
75-00-3	chloroethane	100	36.6	36.6	10.0-260
110-75-8	2-chloroethyl vinyl ether	100	0.00	0.00	NA-1020
67-66-3	chloroform	100	99.5	99.5	74.7-125
74-87-3	chloromethane	100	96.0	96.0	78.6-121
95-49-8	2-chlorotoluene	100	96.3	96.3	77.8-122
106-43-4	4-chlorotoluene	100	95.8	95.8	77.2-123
124-48-1	dibromochloromethane	100	92.0	92.0	75.1-125
96-12-8	1,2-dibromo-3-chloropropane	500	91.2	18.2*	67.4-133
106-93-4	1,2-dibromomethane	100	92.6	92.6	80.2-120
74-95-3	dibromomethane	100	95.2	95.2	81.0-119
95-50-1	1,2-dichlorobenzene	100	93.4	93.4	80.1-120
541-73-1	1,3-dichlorobenzene	100	95.7	95.7	78.9-121
106-46-7	1,4-dichlorobenzene	100	95.7	95.7	78.8-121
110-57-6	trans-1,4-Dichloro-2-butene	500	93.7	18.7*	69.5-130
75-71-8	dichlorodifluoromethane	100	99.5	99.5	65.0-135
75-34-3	1,1-dichloroethane	100	99.6	99.6	74.2-126
107-06-2	1,2-dichloroethane	100	90.3	90.3	74.9-125
75-35-4	1,1-dichloroethene	100	101	101	78.5-121
156-59-2	cis-1,2-dichloroethene	100	100	100	77.6-122
156-60-5	trans-1,2-dichloroethene	100	102	102	78.5-121
78-87-5	1,2-dichloropropane	100	97.5	97.5	76.6-123
142-28-9	1,3-dichloropropane	100	92.7	92.7	84.9-115
594-20-7	2,2-dichloropropane	100	93.8	93.8	68.6-131
563-58-6	1,1-dichloropropene	100	100	100	79.3-121
10061-01-5	cis-1,3-dichloropropene	100	98.8	98.8	75.8-124

Paradigm Analytical Laboratories, INC.

LABORATORY CONTROL SAMPLE VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Paradigm Analytical Laboratories, INC.
Lab Code: NC00919 Case No.: SAS No.: SDG No:
Matrix: (soil/water) SOIL Lab Sample ID: LCS3070805A
Sample wt/vol: 5 (g) Lab File ID: 0708304.D
Level: (low/med) LOW
% Moisture: not dec. 0% Date Analyzed: 07/08/05 09:20
GC Column: DB-624 ID: 0.2 (mm) Dilution Factor: 1
Soil Extract Volume: NA Soil Aliquot Volume: NA

CAS NO.	COMPOUND	SPIKE AMT (µg/kg)	SAMP CONC (µg/kg)	% REC #	QC LIMITS
10061-02-6	trans-1,3-dichloropropene	100	96.8	96.8	77.5-122
108-20-3	Diisopropyl ether	100	92.0	92.0	71.8-128
100-41-4	ethylbenzene	100	101	101	76.3-124
87-68-3	hexachlorobutadiene	100	101	101	73.5-126
591-78-6	2-hexanone	100	88.3	88.3	61.2-139
74-88-4	Iodomethane	100	112	112	37.0-163
98-82-8	isopropylbenzene	100	98.9	98.9	77.6-122
99-87-6	4-isopropyltoluene	100	101	101	78.1-122
1634-04-4	Methyl-tert-butyl ether	100	92.9	92.9	78.9-121
75-09-2	methylene chloride	100	94.6	94.6	57.9-142
108-10-1	4-methyl-2-pentanone	100	90.5	90.5	65.1-135
91-20-3	naphthalene	100	97.9	97.9	69.3-131
103-65-1	n-propyl benzene	100	102	102	78.3-122
100-42-5	styrene	100	97.8	97.8	82.7-117
630-20-6	1,1,1,2-tetrachloroethane	100	93.4	93.4	73.0-127
79-34-5	1,1,2,2-tetrachloroethane	100	94.7	94.7	78.4-122
127-18-4	tetrachloroethene	100	98.5	98.5	73.0-127
108-88-3	toluene	100	102	102	75.7-124
87-61-6	1,2,3-trichlorobenzene	100	92.3	92.3	76.5-124
120-82-1	1,2,4-trichlorobenzene	100	93.9	93.9	74.2-126
71-55-6	1,1,1-trichloroethane	100	98.1	98.1	70.5-130
79-00-5	1,1,2-trichloroethane	100	92.3	92.3	84.2-116
79-01-6	trichloroethene	100	98.3	98.3	60.8-139
75-69-4	trichlorofluoromethane	100	88.8	88.8	10.0-232
96-18-4	1,2,3-trichloropropane	100	103	103	74.4-126
95-36-3	1,2,4-trimethylbenzene	100	98.9	98.9	77.4-122
108-67-8	1,3,5-trimethylbenzene	100	98.9	98.9	77.6-122
108-05-4	Vinyl acetate	250	125	49.9	NA-NA
75-01-4	vinyl chloride	100	104	104	79.6-120
108-38-3	m/p-xylene	200	198	99.0	78.8-121
95-47-6	o-xylene	100	97.8	97.8	78.7-121

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: MW-1-3
Client Project ID: Elm Street, LLC
Lab Sample ID: G161-2054-1G
Lab Project ID: G161-2054
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 7/1/2005 10:45
Date Received: 7/2/2005
Date Extracted: 7/6/2005
Matrix: Soil
% Solids: 86.28

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.359	1	7/12/2005
Acenaphthylene	BQL	0.359	1	7/12/2005
Anthracene	BQL	0.359	1	7/12/2005
Benzo[a]anthracene	BQL	0.359	1	7/12/2005
Benzo[a]pyrene	BQL	0.359	1	7/12/2005
Benzo[b]fluoranthene	BQL	0.359	1	7/12/2005
Benzo[g,h,i]perylene	BQL	0.359	1	7/12/2005
Benzo[k]fluoranthene	BQL	0.359	1	7/12/2005
Bis(2-chloroethoxy)methane	BQL	0.359	1	7/12/2005
Bis(2-chloroethyl)ether	BQL	0.359	1	7/12/2005
Bis(2-chloroisopropyl)ether	BQL	0.359	1	7/12/2005
Bis(2-ethylhexyl)phthalate	BQL	0.359	1	7/12/2005
4-bromophenyl phenyl ether	BQL	0.359	1	7/12/2005
Butylbenzylphthalate	BQL	0.359	1	7/12/2005
2-Chloronaphthalene	BQL	0.359	1	7/12/2005
4-Chloroaniline	BQL	1.80	1	7/12/2005
4-Chlorophenyl phenyl ether	BQL	0.359	1	7/12/2005
Chrysene	BQL	0.359	1	7/12/2005
Dibenzo[a,h]anthracene	BQL	0.359	1	7/12/2005
Dibenzofuran	BQL	0.359	1	7/12/2005
Di-n-Butylphthalate	BQL	0.359	1	7/12/2005
1,2-Dichlorobenzene	BQL	0.359	1	7/12/2005
1,3-Dichlorobenzene	BQL	0.359	1	7/12/2005
1,4-Dichlorobenzene	BQL	0.359	1	7/12/2005
3,3'-Dichlorobenzidine	BQL	0.719	1	7/12/2005
Diethylphthalate	BQL	0.359	1	7/12/2005
Dimethylphthalate	BQL	0.359	1	7/12/2005
Di-n-octylphthalate	BQL	0.359	1	7/12/2005
2,4-Dinitrotoluene	BQL	0.359	1	7/12/2005
2,6-Dinitrotoluene	BQL	0.359	1	7/12/2005
Diphenylamine *	BQL	0.359	1	7/12/2005
Fluoranthene	BQL	0.359	1	7/12/2005
Fluorene	BQL	0.359	1	7/12/2005
Hexachlorobenzene	BQL	0.359	1	7/12/2005
Hexachlorobutadiene	BQL	0.359	1	7/12/2005
Hexachlorocyclopentadiene	BQL	0.719	1	7/12/2005
Hexachloroethane	BQL	0.359	1	7/12/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.359	1	7/12/2005
Isophorone	BQL	0.359	1	7/12/2005
2-Methylnaphthalene	BQL	0.359	1	7/12/2005
Naphthalene	BQL	0.359	1	7/12/2005
2-Nitroaniline	BQL	0.359	1	7/12/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: MW-1-3
Client Project ID: Elm Street, LLC
Lab Sample ID: G161-2054-1G
Lab Project ID: G161-2054
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 7/1/2005 10:45
Date Received: 7/2/2005
Date Extracted: 7/6/2005
Matrix: Soil
% Solids: 86.28

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.80	1	7/12/2005
4-Nitroaniline	BQL	1.80	1	7/12/2005
Nitrobenzene	BQL	0.359	1	7/12/2005
N-Nitrosodi-n-propylamine	BQL	0.359	1	7/12/2005
Phenanthrene	BQL	0.359	1	7/12/2005
Pyrene	BQL	0.359	1	7/12/2005
1,2,4-Trichlorobenzene	BQL	0.359	1	7/12/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.5	95
Nitrobenzene-d5	10	10.3	103
4-Terphenyl-d14	10	13.6	136

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3180
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/6/2005
Matrix: SOIL
% Solids: 100

Compound	Result ug/Kg	Quantitation Limit ug/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	313	1	7/8/2005
Acenaphthylene	BQL	313	1	7/8/2005
Anthracene	BQL	313	1	7/8/2005
Benzo[a]anthracene	BQL	313	1	7/8/2005
Benzo[a]pyrene	BQL	313	1	7/8/2005
Benzo[b]fluoranthene	BQL	313	1	7/8/2005
Benzo[g,h,i]perylene	BQL	313	1	7/8/2005
Benzo[k]fluoranthene	BQL	313	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	313	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	313	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	313	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	313	1	7/8/2005
4-bromophenyl phenyl ether	BQL	313	1	7/8/2005
Butylbenzylphthalate	BQL	313	1	7/8/2005
2-Chloronaphthalene	BQL	313	1	7/8/2005
4-Chloroaniline	BQL	1560	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	313	1	7/8/2005
Chrysene	BQL	313	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	313	1	7/8/2005
Dibenzofuran	BQL	313	1	7/8/2005
Di-n-Butylphthalate	BQL	313	1	7/8/2005
1,2-Dichlorobenzene	BQL	313	1	7/8/2005
1,3-Dichlorobenzene	BQL	313	1	7/8/2005
1,4-Dichlorobenzene	BQL	313	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	625	1	7/8/2005
Diethylphthalate	BQL	313	1	7/8/2005
Dimethylphthalate	BQL	313	1	7/8/2005
Di-n-octylphthalate	BQL	313	1	7/8/2005
2,4-Dinitrotoluene	BQL	313	1	7/8/2005
2,6-Dinitrotoluene	BQL	313	1	7/8/2005
Diphenylamine *	BQL	313	1	7/8/2005
Fluoranthene	BQL	313	1	7/8/2005
Fluorene	BQL	313	1	7/8/2005
Hexachlorobenzene	BQL	313	1	7/8/2005
Hexachlorobutadiene	BQL	313	1	7/8/2005
Hexachlorocyclopentadiene	BQL	625	1	7/8/2005
Hexachloroethane	BQL	313	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	313	1	7/8/2005
Isophorone	BQL	313	1	7/8/2005
2-Methylnaphthalene	BQL	313	1	7/8/2005
Naphthalene	BQL	313	1	7/8/2005
2-Nitroaniline	BQL	313	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3180
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/6/2005
Matrix: SOIL
% Solids: 100

Compound	Result ug/Kg	Quantitation Limit ug/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1560	1	7/8/2005
4-Nitroaniline	BQL	1560	1	7/8/2005
Nitrobenzene	BQL	313	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	313	1	7/8/2005
Phenanthrene	BQL	313	1	7/8/2005
Pyrene	BQL	313	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	313	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.1	111
Nitrobenzene-d5	10	10.5	105
4-Terphenyl-d14	10	11.6	116

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

Results For Matrix Spike / Matrix Spike Duplicate and Laboratory Control Standard (MS/MSD/LCS)
by GCMS

Client Sample ID: Batch QC
Client Sample ID:
Lab Sample ID: Batch-3180-MS/MSD/LCS
Lab Project ID:
Matrix: SOIL
Prep Method: 3540

Date Collected:
Date Received:
Date Extracted: 07/06/05
Date Analyzed: 07/11/05
Analyzed By: MRC
Dilution: 1

	Sample Amount (µg/kg)	MS Spike (µg/kg)	MS Conc. (µg/kg)	MS Spike % Rec.	MSD Spike (µg/kg)	MSD Conc. (µg/kg)	MSD Conc. % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
Acenaphthylene	BQL	3470	4440	128	3420	4360	127.0	0.470	30	79.0-141
4-Chloro-3-methylphenol	BQL	3470	3530	102	3420	3560	104.0	2.14	30	40.0-133
2-Chlorophenol	BQL	3470	3460	99.8	3420	3450	101.0	1.20	30	64.0-108
1,4-Dichlorobenzene	BQL	3470	3730	108*	3420	3670	107*	0.279	30	56.0-95.0
2,4-Dinitrotoluene	BQL	3470	3890	112	3420	3900	114.0	1.86	30	48.0-121
N-Nitrosodi-n-propylamine	BQL	3470	4460	128*	3420	4320	126*	1.65	30	70.0-119
4-Nitrophenol	BQL	3470	3010	86.7	3420	3110	90.9	4.73	30	40.0-147
Pentachlorophenol	BQL	3470	2950	85.0	3420	2950	86.2	1.40	30	40.0-122
Phenol	BQL	3470	3500	101	3420	3490	102.0	0.985	30	40.0-127
Pyrene	BQL	3470	3880	112	3420	3730	109.0	2.26	30	56.0-123
1,2,4-Trichlorobenzene	BQL	3470	3730	108*	3420	3670	107*	0.372	30	65.0-105

	Spiked Amount (µg/kg)	LCS Conc. (µg/kg)	LCS Spike %	QC Limits % Rec.
Acenaphthylene	3125	4020	129	66.7-146
4-Chloro-3-methylphenol	3125	3280	105	49.4-117
2-Chlorophenol	3125	3160	101	51.5-110
1,4-Dichlorobenzene	3125	3390	108*	51.1-100
2,4-Dinitrotoluene	3125	3580	114	51.1-120
N-Nitrosodi-n-propylamine	3125	4060	130*	53.1-128
4-Nitrophenol	3125	2750	87.9	39.5-118
Pentachlorophenol	3125	2820	90.2	38.8-99.4
Phenol	3125	3150	101	51.2-116
Pyrene	3125	3660	117	38.0-132
1,2,4-Trichlorobenzene	3125	3410	109	55.1-111

Comments:

Concentrations reflect the spiked sample amounts.

Flags:

* = Out of limits.
NA = Not applicable.

Reviewed By: RSV

Paradigm Analytical Laboratories, INC.

2D

SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #				TOT OUT
01	MW-1-3	103	95	136				0
02	G161-2048-22E	102	105	114				0
03	G161-2048-22F MS	107	101	109				0
04	G161-2048-22G MSD	105	95	108				0
05	LCS3180	100	101	96				0
06	PB3180	105	111	116				0
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	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(46-117)
S2 (FBP) = 2-Fluorobiphenyl	(42-116)
S3 (TPH) = Terphenyl-d14	(44-140)

Column to be used to flag recovery values.
* Values outside of contract required QC limits.
D Surrogate diluted out

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

3D

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: G161-2048-22E Level: (low/med) LOW

COMPOUND	SAMPLE CONC (µg/kg)	MS SPIKE (µg/kg)	MS CONC (µg/kg)	MS % REC #	MSD SPIKE (µg/kg)	MSD CONC (µg/kg)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
Hexachlorobutadiene	BQL	3470	3770	109 *	3420	3690	108 *	0.739	30	60.0-105
Hexachlorocyclopentadiene	BQL	3470	5180	149	3420	5440	159	6.42	30	10.0-233
Hexachloroethane	BQL	3470	3890	112	3420	3840	112	0.0891	30	41.0-115
Indeno(1,2,3-c,d)pyrene	BQL	3470	3520	101	3420	3240	94.8	6.63	30	60.0-113
Isophorone	BQL	3470	4540	131 *	3420	4460	130 *	0.230	30	80.0-127
1-Methylnaphthalene	BQL	3470	3740	108	3420	3680	108	0.371	30	34.0-118
2-Methylnaphthalene	BQL	3470	3390	97.8	3420	3350	98.0	0.204	30	51.0-114
2-Methylphenol	BQL	3470	3650	105	3420	3610	105	0.190	30	10.0-142
4-Methylphenol	BQL	3470	6290	181 *	3420	6250	183 *	0.769	30	13.0-121
N-Nitrosodi-n-propylamine	BQL	3470	4460	128 *	3420	4320	126 *	1.65	30	70.0-119
Diphenylamine	BQL	3470	5550	160 *	3420	5500	161 *	0.561	30	13.0-107
Naphthalene	BQL	3470	3820	110 *	3420	3760	110 *	0.091	30	65.0-103
2-Nitroaniline	BQL	3470	3650	105	3420	3870	113	7.23	30	49.0-124
3-Nitroaniline	BQL	3470	4700	135	3420	5000	146	7.67	30	10.0-331
4-Nitroaniline	BQL	3470	4010	116	3420	4730	138	17.9	30	17.0-159
Nitrobenzene	BQL	3470	3860	111	3420	3900	114 *	2.39	30	54.0-113
2-Nitrophenol	BQL	3470	3480	100	3420	3490	102	1.78	30	10.0-150
4-Nitrophenol	BQL	3470	3010	86.7	3420	3110	90.9	4.73	30	40.0-147
Pentachlorophenol	BQL	3470	2950	85.0	3420	2950	86.2	1.40	30	40.0-122
Phenanthrene	BQL	3470	3740	108 *	3420	3700	108 *	0.463	30	68.0-107
Phenol	BQL	3470	3500	101	3420	3490	102	0.985	30	40.0-127
Pyrene	BQL	3470	3880	112	3420	3730	109	2.26	30	56.0-123
1,2,4-Trichlorobenzene	BQL	3470	3730	108 *	3420	3670	107 *	0.372	30	65.0-105
2,4,5-Trichlorophenol	BQL	3470	3500	101	3420	3500	102	1.38	30	42.0-126
2,4,6-Trichlorophenol	BQL	3470	3540	102	3420	3540	103	1.26	30	21.0-132

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 72 outside of limits

Spike Recovery: 51 out of 144 outside of limits

COMMENTS: _____

N.C. Certification #481 S.C. Certification #99029

Paradigm Analytical Laboratories, INC.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB3180

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab File ID: 0708705.D Lab Sample ID: PB3180

Instrument ID: MSD7 Date Extracted: 07/06/05

Matrix: (soil/water) SOIL Date Analyzed: 07/08/05

Level: (low/med) LOW Time Analyzed: 15:50

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	G161-2048-22F MS	G161-2048-22F MS	0708721.D	07/09 01:03
02	G161-2048-22G MSD	G161-2048-22G MS	0708722.D	07/09 01:36
03	G161-2048-22E	G161-2048-22E	0711705.D	07/11 17:16
04	MW-1-3	G161-2054-1G	0711620.D	07/12 01:14
05				
06				
07				
08				
09				
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COMMENTS: _____

Paradigm Analytical Laboratories, INC.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab File ID: 0627601.D DFTPP Injection Date: 06/27/05

Instrument ID: MSD6 DFTPP Injection Time: 16:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	46.6
68	Less than 2.0% of mass 69	0.5
69	Mass 69 relative abundance	51.9
70	Less than 2.0% of mass 69	0.5
127	40.0 - 60.0% of mass 198	51.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 30.0% of mass 198	20.8
365	Greater than 0.75% of mass 198	2.3
441	Present, but less than mass 443	83.6
442	40.0 - 100.0% of mass 198	54.6
443	17.0 - 23.0% of mass 442	19.4

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SVCAL1	SVCAL1	0627602.D	06/27/05	17:02
02	SVCAL2	SVCAL2	0627603.D	06/27/05	17:36
03	SVCAL4	SVCAL4	0627604.D	06/27/05	18:11
04	SVCAL6	SVCAL6	0627605.D	06/27/05	18:44
05	SVCAL8	SVCAL8	0627606.D	06/27/05	19:19
06	SVCAL12	SVCAL12	0627607.D	06/27/05	19:54
07	SVCAL24	SVCAL24	0627608.D	06/27/05	20:29
08	SVCAL48	SVCAL48	0627609.D	06/27/05	21:03
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Paradigm Analytical Laboratories, INC.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab File ID: 0711601.D DFTPP Injection Date: 07/11/05

Instrument ID: MSD6 DFTPP Injection Time: 14:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	45.2
68	Less than 2.0% of mass 69	0.4
69	Mass 69 relative abundance	50.1
70	Less than 2.0% of mass 69	0.4
127	40.0 - 60.0% of mass 198	49.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	21.5
365	Greater than 0.75% of mass 198	2.7
441	Present, but less than mass 443	85.3
442	40.0 - 100.0% of mass 198	52.6
443	17.0 - 23.0% of mass 442	19.8

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SVCVS6	SVCVS6	0711602.D	07/11/05	14:54
02	MW-1-3	G161-2054-1G	0711620.D	07/12/05	01:14
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Paradigm Analytical Laboratories, INC.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab File ID: 0624701.D DFTPP Injection Date: 06/24/05

Instrument ID: MSD7 DFTPP Injection Time: 12:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	34.1
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	31.0
70	Less than 2.0% of mass 69	0.7
127	40.0 - 60.0% of mass 198	42.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	24.4
365	Greater than 0.75% of mass 198	2.8
441	Present, but less than mass 443	74.0
442	40.0 - 100.0% of mass 198	98.1
443	17.0 - 23.0% of mass 442	19.8

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SVCAL48	SVCAL48	0624702.D	06/24/05	12:32
02	SVCAL24	SVCAL24	0624703.D	06/24/05	13:06
03	SVCAL12	SVCAL12	0624704.D	06/24/05	13:40
04	SVCAL8	SVCAL8	0624705.D	06/24/05	14:14
05	SVCAL6	SVCAL6	0624706.D	06/24/05	14:49
06	SVCAL4	SVCAL4	0624707.D	06/24/05	15:23
07	SVCAL2	SVCAL2	0624708.D	06/24/05	15:57
08	SVCAL1	SVCAL1	0624709.D	06/24/05	16:32
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Paradigm Analytical Laboratories, INC.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab File ID: 0708701.D DFTPP Injection Date: 07/08/05

Instrument ID: MSD7 DFTPP Injection Time: 13:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.7
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	31.1
70	Less than 2.0% of mass 69	0.0
127	40.0 - 60.0% of mass 198	43.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	23.4
365	Greater than 0.75% of mass 198	2.8
441	Present, but less than mass 443	73.9
442	40.0 - 100.0% of mass 198	96.5
443	17.0 - 23.0% of mass 442	18.9

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SVCVS6	SVCVS6	0708702.D	07/08/05	14:07
02	LCS3180	LCS3180	0708704.D	07/08/05	15:15
03	PB3180	PB3180	0708705.D	07/08/05	15:50
04	G161-2048-22F MS	G161-2048-22F MS	0708721.D	07/09/05	01:03
05	G161-2048-22G MSD	G161-2048-22G MSD	0708722.D	07/09/05	01:36
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Paradigm Analytical Laboratories, INC.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab File ID: 0711701.D DFTPP Injection Date: 07/11/05

Instrument ID: MSD7 DFTPP Injection Time: 14:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.0
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	31.7
70	Less than 2.0% of mass 69	0.0
127	40.0 - 60.0% of mass 198	45.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	22.8
365	Greater than 0.75% of mass 198	2.6
441	Present, but less than mass 443	73.1
442	40.0 - 100.0% of mass 198	92.0
443	17.0 - 23.0% of mass 442	19.4

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SVCVS6	SVCVS6	0711702.D	07/11/05	15:23
02	G161-2048-22E	G161-2048-22E	0711705.D	07/11/05	17:16
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Paradigm Analytical Laboratories, INC.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD6 Calibration Date(s): 06/27/05

Calibration Times: 21:03

LAB FILE ID: RRF1.0 = 0627602.D RRF2.0 = 0627603.D RRF4.0 = 0627604.D RRF6.0 = 0627605.D

RRF8.0 = 0627606.D RRF12.0 = 0627607.D RRF24.0 = 0627608.D RRF48.0 = 0627609.D

COMPOUND	RRF 1.0	RRF 2.0	RRF 4.0	RRF 6.0	RRF 8.0	RRF 12.0	RRF 24.0	RRF 48.0	ICAL RRF	% RSD
Pyridine		0.390	0.574	0.872	0.784	1.02	0.945	0.905	0.785	28.8
N-Nitrosodimethylamine	0.633	0.688	0.665	0.697	0.666	0.670	0.687	0.635	0.668	3.55
Phenol	1.91	1.84	1.84	1.89	1.73	1.79	1.74	1.64	1.80	5.01
Bis(2-chloroethyl)ether	1.41	1.36	1.42	1.43	1.37	1.50	1.42	1.27	1.40	4.76
2-Chlorophenol	1.36	1.33	1.33	1.36	1.27	1.35	1.31	1.26	1.32	2.89
Benzyl Alcohol	0.855	0.906	0.915	0.967	0.902	0.963	0.939	0.909	0.919	3.96
1,3-Dichlorobenzene	1.38	1.32	1.34	1.38	1.25	1.30	1.25	1.21	1.31	4.89
1,4-Dichlorobenzene	1.40	1.37	1.38	1.39	1.29	1.34	1.32	1.25	1.34	3.98
1,2-Dichlorobenzene	1.27	1.23	1.24	1.29	1.17	1.21	1.16	1.11	1.21	4.88
2-Methylphenol	1.13	1.10	1.09	1.14	1.06	1.13	1.09	1.04	1.10	3.34
3-, 4-Methylphenol	1.62	1.56	1.58	1.68	1.53	1.62	1.58	1.55	1.59	2.94
Bis(2-chloroisopropyl)ether	1.72	1.66	1.67	1.70	1.58	1.65	1.62	1.54	1.64	3.69
N-Nitrosodi-n-propylamine	0.855	0.822	0.825	0.865	0.814	0.853	0.837	0.798	0.834	2.77
Hexachloroethane	0.516	0.529	0.532	0.561	0.513	0.545	0.532	0.516	0.531	3.05
2-Fluorophenol (surr)	0.956	0.989	1.04	1.03	1.02	1.06	1.03	1.00	1.02	3.23
Phenol-d6 (surr)	1.64	1.62	1.59	1.64	1.52	1.60	1.57	1.51	1.59	3.30
Nitrobenzene	0.397	0.406	0.392	0.409	0.383	0.408	0.387	0.371	0.394	3.42
Isophorone	0.597	0.581	0.574	0.608	0.569	0.603	0.575	0.547	0.582	3.48
2-Nitrophenol	0.182	0.225	0.186	0.185	0.176	0.179	0.170	0.162	0.183	10.2
2,4-Dimethylphenol	0.270	0.276	0.256	0.274	0.257	0.268	0.252	0.245	0.262	4.32
Benzoic Acid		0.133	0.152	0.178	0.176	0.199	0.200	0.204	0.177	15.1
Bis(2-chloroethoxy)methane	0.393	0.414	0.385	0.396	0.376	0.391	0.369	0.354	0.385	4.74
2,4-Dichlorophenol	0.255	0.273	0.266	0.279	0.261	0.277	0.261	0.250	0.265	3.93
1,2,4-Trichlorobenzene	0.299	0.294	0.279	0.290	0.271	0.284	0.267	0.255	0.280	5.27
Naphthalene	0.921	0.896	0.883	0.910	0.847	0.877	0.833	0.805	0.872	4.60
4-Chloroaniline	0.195	0.174	0.126	0.137	0.119	0.113	0.163	0.154	0.148	19.6
Hexachlorobutadiene	0.182	0.186	0.176	0.187	0.171	0.182	0.171	0.161	0.177	4.96
4-Chloro-3-methylphenol	0.278	0.307	0.307	0.332	0.318	0.331	0.320	0.312	0.313	5.48
2-Methylnaphthalene	0.644	0.658	0.624	0.645	0.603	0.622	0.597	0.584	0.622	4.16
Nitrobenzene-d5 (surr)	0.137	0.150	0.145	0.149	0.138	0.144	0.138	0.132	0.142	4.51
Hexachlorocyclopentadiene	0.104	0.114	0.128	0.153	0.155	0.156	0.148	0.173	0.141	16.8
2,4,6-Trichlorophenol	0.336	0.352	0.359	0.381	0.348	0.354	0.356	0.350	0.354	3.61
2,4,5-Trichlorophenol	0.348	0.362	0.373	0.389	0.370	0.383	0.364	0.363	0.369	3.45
2-Chloronaphthalene	1.02	1.02	1.01	1.03	0.961	0.981	0.936	0.933	0.986	4.00
2-Nitroaniline	0.332	0.350	0.368	0.396	0.356	0.372	0.374	0.362	0.364	5.23

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD6 Calibration Date(s): 06/27/05

Calibration Times: 21:03

LAB FILE ID: RRF1.0 = 0627602.D RRF2.0 = 0627603.D RRF4.0 = 0627604.D RRF6.0 = 0627605.D

RRF8.0 = 0627606.D RRF12.0 = 0627607.D RRF24.0 = 0627608.D RRF48.0 = 0627609.D

COMPOUND	RRF 1.0	RRF 2.0	RRF 4.0	RRF 6.0	RRF 8.0	RRF 12.0	RRF 24.0	RRF 48.0	ICAL RRF	% RSD
3-Nitroaniline	0.120	0.126	0.091	0.096			0.083		0.103	18.4
1-Methylnaphthalene	1.02	1.02	0.999	1.03	0.939	0.968	0.930	0.941	0.981	4.18
Dimethylphthalate	1.22	1.19	1.17	1.24	1.13	1.15	1.13	1.10	1.17	3.92
Acenaphthylene	1.40	1.37	1.35	1.39	1.29	1.30	1.16	1.02	1.28	10.1
2,6-Dinitrotoluene	0.253	0.253	0.260	0.278	0.254	0.258	0.254	0.248	0.257	3.51
Acenaphthene	0.911	0.912	0.892	0.924	0.851	0.872	0.849	0.852	0.883	3.49
2,4-Dinitrophenol	0.140	0.139	0.138	0.154	0.149	0.161	0.153	0.159	0.149	6.10
4-Nitrophenol	0.131	0.151	0.154	0.173	0.172	0.187	0.183	0.192	0.168	12.5
Dibenzofuran	1.48	1.49	1.44	1.49	1.39	1.41	1.36	1.37	1.43	3.69
2,4-Dinitrotoluene	0.328	0.331	0.327	0.337	0.319	0.325	0.315	0.315	0.325	2.41
Fluorene	1.10	1.08	1.07	1.12	1.04	1.04	1.02	1.04	1.06	3.33
Diethylphthalate	1.11	1.09	1.09	1.12	1.04	1.08	1.05	1.04	1.08	2.92
4-Chlorophenyl phenyl ether	0.589	0.577	0.561	0.573	0.530	0.536	0.516	0.513	0.549	5.33
4-Nitroaniline	0.127	0.129	0.165	0.144	0.140	0.128			0.139	10.6
2-Fluorobiphenyl (surr)	1.20	1.16	1.16	1.17	1.07	1.10	1.06	1.05	1.12	4.99
2,4,6-Tribromophenol (surr)	0.102	0.105	0.115	0.123	0.121	0.123	0.122	0.126	0.117	7.49
4,6-Dinitro-2-methylphenol	0.131	0.133	0.144	0.162	0.147	0.155	0.146	0.144	0.145	6.98
Diphenylamine	0.473	0.454	0.431	0.432	0.373	0.338			0.417	12.2
4-bromophenyl phenyl ether	0.210	0.211	0.214	0.220	0.196	0.201	0.190	0.184	0.203	6.19
Hexachlorobenzene	0.225	0.212	0.209	0.209	0.190	0.189	0.184	0.179	0.200	8.13
Pentachlorophenol	0.127	0.138	0.146	0.154	0.152	0.156	0.151	0.150	0.147	6.52
Phenanthrene	1.07	1.02	1.02	1.04	0.963	0.982	0.929	0.890	0.990	6.16
Carbazole	0.786	0.830	0.731	0.639	0.642				0.725	11.8
Anthracene	0.984	0.947	0.959	0.969	0.918	0.925	0.846	0.837	0.923	5.94
Azobenzene	0.946	0.893	0.905	0.917	0.837	0.872	0.824	0.790	0.873	6.00
Di-n-Butylphthalate	1.23	1.23	1.23	1.27	1.15	1.18	1.14	1.06	1.19	5.67
Fluoranthene	1.08	1.09	1.06	1.11	1.02	1.05	0.986	0.941	1.04	5.46
alpha-BHC	0.171	0.166	0.163	0.171	0.155	0.157	0.146	0.132	0.158	8.45
beta-BHC	0.132	0.132	0.140	0.141	0.129	0.131	0.130	0.118	0.132	5.36
gamma-BHC	0.146	0.138	0.139	0.142	0.132	0.136	0.126	0.118	0.135	6.67
delta-BHC	0.149	0.129	0.128	0.134	0.122	0.126	0.121	0.110	0.128	8.74
Heptachlor	0.143	0.154	0.153	0.158	0.151	0.154	0.147	0.139	0.150	4.28
Aldrin	0.182	0.179	0.179	0.189	0.169	0.174	0.165	0.148	0.173	7.34
Heptachlor Epoxide	0.051	0.054	0.054	0.057	0.052	0.051	0.05	0.049	0.052	4.63
Endosulfan I	0.04	0.047	0.049	0.046	0.044	0.045	0.041	0.035	0.043	10.5

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD6 Calibration Date(s): 06/27/05

Calibration Times: 21:03

LAB FILE ID: RRF1.0 = 0627602.D RRF2.0 = 0627603.D RRF4.0 = 0627604.D RRF6.0 = 0627605.D

RRF8.0 = 0627606.D RRF12.0 = 0627607.D RRF24.0 = 0627608.D RRF48.0 = 0627609.D

COMPOUND	RRF 1.0	RRF 2.0	RRF 4.0	RRF 6.0	RRF 8.0	RRF 12.0	RRF 24.0	RRF 48.0	ICAL RRF	% RSD
4,4'-DDE	0.253	0.253	0.252	0.260	0.243	0.245	0.234	0.216	0.245	5.74
Dieldrin	0.245	0.232	0.235	0.233	0.216	0.221	0.208	0.191	0.223	7.86
Endrin	0.033	0.038	0.039	0.042	0.039	0.042	0.039	0.036	0.038	7.96
4,4'-DDD	0.448	0.435	0.425	0.438	0.403	0.402	0.383	0.346	0.410	8.27
Endosulfan Sulfate	0.054	0.058	0.056	0.059	0.053	0.052	0.046		0.054	7.98
4,4'-DDT	0.339	0.324	0.330	0.344	0.324	0.323	0.302	0.259	0.318	8.46
Endrin Ketone	0.034	0.042	0.043	0.045	0.04	0.043	0.039	0.033	0.04	11.3
Methoxychlor	0.609	0.648	0.655	0.719	0.646	0.656	0.591	0.482	0.626	11.1
Pyrene	1.62	1.57	1.46	1.47	1.35	1.44	1.46	1.62	1.50	6.46
Butylbenzylphthalate	0.676	0.736	0.715	0.713	0.665	0.720	0.726	0.721	0.709	3.50
Benzo[a]anthracene	1.10	1.06	1.11	1.12	1.02	1.10	1.06	1.06	1.08	3.11
3,3'-Dichlorobenzidine	0.129	0.096	0.102	0.115	0.114	0.145	0.160	0.187	0.131	23.9
Chrysene	1.12	1.07	1.07	1.08	0.995	1.07	1.02	1.02	1.05	3.96
Bis(2-ethylhexyl)phthalate	0.905	0.940	0.948	0.947	0.845	0.935	0.912	0.910	0.918	3.69
4-Terphenyl-d14 (surr)	1.04	1.03	0.969	0.985	0.912	0.979	0.977	1.11	1.00	5.86
Di-n-octylphthalate	1.66	1.98	2.05	2.12	2.17	2.58	2.53	2.31	2.18	13.8
Benzo[b]fluoranthene	1.00	1.04	1.19	1.25	1.23	1.34	1.40	1.24	1.21	11.2
Benzo[k]fluoranthene	1.28	1.46	1.32	1.43	1.40	1.44	1.37	1.18	1.36	6.93
Benzo[a]pyrene	0.756	0.819	0.959	0.977	0.977	1.08	1.09	1.02	0.961	12.4
Indeno(1,2,3-c,d)pyrene	0.227	0.216	0.307	0.407	0.377	0.461	0.584	0.693	0.409	40.9
Dibenzo[a,h]anthracene	0.078	0.221	0.344	0.427	0.423	0.505	0.555	0.640	0.399	45.6
Benzo[g,h,i]perylene	0.362	0.481	0.577	0.602	0.564	0.626	0.650	0.707	0.571	18.8

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD7 Calibration Date(s): 06/24/05

Calibration Times: 12:32

LAB FILE ID: RRF1.0 = 0624709.D RRF2.0 = 0624708.D RRF4.0 = 0624707.D RRF6.0 = 0624706.D

RRF8.0 = 0624705.D RRF12.0 = 0624704.D RRF24.0 = 0624703.D RRF48.0 = 0624702.D

COMPOUND	RRF 1.0	RRF 2.0	RRF 4.0	RRF 6.0	RRF 8.0	RRF 12.0	RRF 24.0	RRF 48.0	ICAL RRF	% RSD
Pyridine		0.779	0.759	0.794	0.818	0.801	0.842	0.646	0.777	8.20
N-Nitrosodimethylamine	0.511	0.569	0.591	0.616	0.581	0.603	0.582		0.579	5.83
Phenol	1.27	1.62	1.65	1.69	1.57	1.66	1.57	1.44	1.56	8.89
Bis(2-chloroethyl)ether	1.17	1.27	1.21	1.23	1.20	1.24	1.18	1.18	1.21	2.90
2-Chlorophenol	1.16	1.21	1.26	1.30	1.21	1.28	1.25	1.17	1.23	4.04
Benzyl Alcohol	0.454	0.648	0.745	0.812	0.763	0.825	0.817	0.798	0.733	17.3
1,3-Dichlorobenzene	1.30	1.31	1.32	1.38	1.26	1.33	1.27	1.18	1.30	4.40
1,4-Dichlorobenzene	1.40	1.40	1.41	1.44	1.34	1.39	1.31	1.20	1.36	5.74
1,2-Dichlorobenzene	1.24	1.24	1.26	1.29	1.19	1.23	1.18	1.08	1.21	5.42
2-Methylphenol	0.856	0.957	0.988	1.01	0.933	0.932	0.850	0.762	0.911	9.13
3-, 4-Methylphenol	1.20	1.34	1.40	1.39	1.36	1.39	1.27	0.974	1.29	11.3
Bis(2-chloroisopropyl)ether	1.93	1.90	1.87	1.87	1.73	1.73	1.52	1.33	1.74	12.1
N-Nitrosodi-n-propylamine	0.583	0.626	0.648	0.668	0.621	0.667	0.635	0.575	0.628	5.52
Hexachloroethane	0.453	0.453	0.470	0.470	0.435	0.448	0.406	0.302	0.430	12.9
2-Fluorophenol (surr)	0.723	0.855	0.903	0.996	0.936	0.996	0.995	0.961	0.921	10.3
Phenol-d6 (surr)	1.25	1.35	1.39	1.46	1.36	1.42	1.34	1.27	1.35	5.28
Nitrobenzene	0.258	0.278	0.289	0.296	0.274	0.288	0.264	0.252	0.275	5.72
Isophorone	0.436	0.434	0.434	0.444	0.414	0.438	0.418	0.421	0.430	2.46
2-Nitrophenol	0.126	0.152	0.167	0.181	0.170	0.184	0.177	0.171	0.166	11.5
2,4-Dimethylphenol	0.227	0.245	0.257	0.272	0.250	0.267	0.245	0.239	0.250	5.91
Benzoic Acid		0.073	0.117	0.141	0.134	0.166	0.172	0.180	0.141	26.5
Bis(2-chloroethoxy)methane	0.300	0.324	0.330	0.341	0.314	0.335	0.307	0.292	0.318	5.55
2,4-Dichlorophenol	0.172	0.214	0.238	0.254	0.234	0.252	0.236	0.221	0.228	11.6
1,2,4-Trichlorobenzene	0.248	0.257	0.257	0.265	0.244	0.261	0.238	0.223	0.249	5.58
Naphthalene	0.850	0.849	0.843	0.860	0.788	0.833	0.751	0.677	0.806	7.93
4-Chloroaniline	0.04	0.059	0.063	0.07	0.085	0.130	0.192		0.091	57.8
Hexachlorobutadiene	0.128	0.128	0.129	0.131	0.121	0.126	0.114	0.105	0.123	7.35
4-Chloro-3-methylphenol	0.192	0.220	0.237	0.250	0.235	0.252	0.234	0.220	0.230	8.48
2-Methylnaphthalene	0.651	0.651	0.650	0.662	0.598	0.635	0.561	0.502	0.614	9.24
Nitrobenzene-d5 (surr)	0.104	0.121	0.130	0.138	0.127	0.139	0.134	0.131	0.128	8.74
Hexachlorocyclopentadiene	0.017	0.041	0.065	0.081	0.081	0.100	0.096	0.094	0.072	40.8
2,4,6-Trichlorophenol	0.287	0.317	0.329	0.348	0.329	0.344	0.325	0.301	0.323	6.37
2,4,5-Trichlorophenol	0.316	0.346	0.373	0.399	0.369	0.348	0.356	0.320	0.353	7.87
2-Chloronaphthalene	1.00	1.01	1.02	1.05	0.976	0.991	0.915	0.828	0.975	7.32
2-Nitroaniline	0.225	0.245	0.263	0.275	0.259	0.282	0.293	0.277	0.265	8.22

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD7 Calibration Date(s): 06/24/05

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RRF8.0 = 0624705.D RRF12.0 = 0624704.D RRF24.0 = 0624703.D RRF48.0 = 0624702.D

COMPOUND	RRF 1.0	RRF 2.0	RRF 4.0	RRF 6.0	RRF 8.0	RRF 12.0	RRF 24.0	RRF 48.0	ICAL RRF	% RSD
3-Nitroaniline		0.016	0.023	0.026	0.026	0.039	0.106	0.158	0.056	96.3
1-Methylnaphthalene	1.20	1.21	1.20	1.21	1.10	1.14	1.01	0.883	1.12	10.5
Dimethylphthalate	1.14	1.14	1.13	1.17	1.08	1.13	1.08	1.03	1.11	4.16
Acenaphthylene	1.56	1.54	1.56	1.59	1.47	1.44	1.22	1.10	1.43	12.6
2,6-Dinitrotoluene	0.216	0.239	0.243	0.262	0.249	0.258	0.238	0.203	0.239	8.46
Acenaphthene	1.07	1.04	1.04	1.07	0.978	1.01	0.905	0.805	0.990	9.35
2,4-Dinitrophenol	0.110	0.121	0.133	0.146	0.131	0.148	0.146	0.139	0.134	10.0
4-Nitrophenol		0.027	0.081	0.095	0.094	0.111	0.114	0.113	0.091	33.9
Dibenzofuran	1.58	1.54	1.54	1.59	1.45	1.51	1.37	1.24	1.48	8.23
2,4-Dinitrotoluene	0.292	0.309	0.319	0.336	0.311	0.325	0.307	0.287	0.311	5.21
Fluorene	1.14	1.13	1.13	1.17	1.07	1.10	1.01	0.902	1.08	8.13
Diethylphthalate	1.14	1.14	1.14	1.17	1.09	1.11	1.02	0.942	1.09	7.03
4-Chlorophenyl phenyl ether	0.528	0.533	0.537	0.550	0.513	0.524	0.486	0.432	0.513	7.39
4-Nitroaniline		0.055	0.103	0.117	0.109	0.119	0.122	0.122	0.107	22.5
2-Fluorobiphenyl (surr)	1.16	1.16	1.17	1.20	1.10	1.12	1.03	0.910	1.11	8.57
2,4,6-Tribromophenol (surr)	0.093	0.111	0.122	0.134	0.124	0.138	0.134	0.127	0.123	12.0
4,6-Dinitro-2-methylphenol	0.052	0.088	0.101	0.116	0.108	0.121	0.119	0.109	0.102	22.4
Diphenylamine	0.402	0.382	0.347	0.327	0.291				0.350	12.6
4-bromophenyl phenyl ether	0.172	0.182	0.182	0.190	0.176	0.178	0.152	0.130	0.170	11.5
Hexachlorobenzene	0.180	0.184	0.179	0.188	0.174	0.181	0.169	0.152	0.176	6.39
Pentachlorophenol		0.047	0.078	0.097	0.097	0.113	0.122	0.113	0.095	27.0
Phenanthrene	1.08	1.06	1.06	1.08	1.00	1.02	0.929	0.823	1.01	8.85
Carbazole	0.611	0.544	0.380	0.312	0.273	0.208			0.388	40.8
Anthracene	1.01	1.02	1.01	1.05	0.967	0.985	0.899	0.789	0.966	8.69
Azobenzene	0.751	0.745	0.730	0.726	0.677	0.680	0.607	0.552	0.683	10.4
Di-n-Butylphthalate	1.20	1.24	1.24	1.27	1.19	1.18	1.09	0.938	1.17	9.25
Fluoranthene	0.917	0.931	0.969	1.01	0.933	0.963	0.890	0.809	0.927	6.44
alpha-BHC	0.129	0.132	0.129	0.129	0.119	0.119	0.105	0.089	0.119	12.5
beta-BHC	0.101	0.108	0.108	0.111	0.103	0.107	0.096	0.078	0.102	10.5
gamma-BHC	0.114	0.115	0.110	0.112	0.105	0.106	0.097	0.085	0.106	9.66
delta-BHC	0.093	0.098	0.099	0.104	0.097	0.099	0.091	0.081	0.095	7.59
Heptachlor	0.133	0.133	0.134	0.137	0.127	0.124	0.108	0.084	0.122	14.7
Aldrin	0.141	0.138	0.131	0.131	0.120	0.119	0.099		0.125	11.2
Heptachlor Epoxide	0.049	0.05	0.053	0.055	0.053	0.054	0.052	0.046	0.052	6.11
Endosulfan I	0.029	0.035	0.035	0.035	0.032	0.03	0.023		0.031	14.4

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD7 Calibration Date(s): 06/24/05

Calibration Times: 12:32

LAB FILE ID: RRF1.0 = 0624709.D RRF2.0 = 0624708.D RRF4.0 = 0624707.D RRF6.0 = 0624706.D

RRF8.0 = 0624705.D RRF12.0 = 0624704.D RRF24.0 = 0624703.D RRF48.0 = 0624702.D

COMPOUND	RRF 1.0	RRF 2.0	RRF 4.0	RRF 6.0	RRF 8.0	RRF 12.0	RRF 24.0	RRF 48.0	ICAL RRF	% RSD
4,4'-DDE	0.204	0.204	0.205	0.212	0.198	0.200	0.183	0.154	0.195	9.58
Dieldrin	0.187	0.184	0.173	0.176	0.161	0.157	0.123		0.166	13.2
Endrin	0.028	0.032	0.03	0.032	0.031	0.03	0.026	0.02	0.029	13.6
4,4'-DDD	0.350	0.369	0.372	0.385	0.357	0.381	0.348	0.299	0.358	7.61
Endosulfan Sulfate	0.044	0.048	0.052	0.053	0.048	0.046	0.042	0.037	0.046	10.9
4,4'-DDT	0.251	0.256	0.269	0.284	0.261	0.234	0.231	0.191	0.247	11.6
Endrin Ketone	0.035	0.04	0.039	0.04	0.037	0.038	0.036	0.034	0.038	6.28
Methoxychlor	0.477	0.501	0.531	0.550	0.514	0.437	0.421	0.339	0.471	14.7
Pyrene	1.65	1.63	1.53	1.56	1.49	1.47	1.28	1.19	1.48	11.0
Butylbenzylphthalate	0.804	0.841	0.818	0.851	0.833	0.848	0.821	0.762	0.822	3.54
Benzo[a]anthracene	1.19	1.20	1.19	1.24	1.16	1.20	1.13	1.06	1.17	4.55
3,3'-Dichlorobenzidine	0.02	0.061	0.115	0.141	0.133	0.148	0.196	0.236	0.131	52.2
Chrysene	1.15	1.12	1.11	1.14	1.05	1.09	1.05	1.06	1.10	3.64
Bis(2-ethylhexyl)phthalate	1.18	1.22	1.17	1.21	1.19	1.18	1.12	1.03	1.16	5.44
4-Terphenyl-d14 (surr)	1.02	1.05	0.997	1.05	1.02	1.05	0.973	0.845	1.00	6.83
Di-n-octylphthalate	2.38	2.70	2.52	2.71	2.78	3.41	2.92	2.29	2.72	12.9
Benzo[b]fluoranthene	1.05	1.20	1.21	1.33	1.27	1.46	1.41	1.37	1.29	10.2
Benzo[k]fluoranthene	1.50	1.51	1.41	1.36	1.31	1.59	1.31	1.12	1.39	10.8
Benzo[a]pyrene	0.908	0.980	1.04	1.10	1.04	1.15	1.09	1.02	1.04	7.39
Indeno(1,2,3-c,d)pyrene	0.411	0.420	0.574	0.630	0.615	0.600	0.733	0.774	0.595	21.8
Dibenzo[a,h]anthracene	0.312	0.416	0.569	0.645	0.624	0.631	0.729	0.737	0.583	25.5
Benzo[g,h,i]perylene	0.520	0.560	0.694	0.759	0.702	0.698	0.787	0.770	0.686	14.2

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD6 Calibration Date: 07/11/05 Time: 14:54

Lab File ID: 0711602.D Init. Calib. Date: 06/27/05

EPA Sample No.: SVCVS6 Init. Calib. Time: 21:03

GC Column: Rtx-5Sil MS ID: 0.25 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
1,2,4-Trichlorobenzene	0.280	0.282		-0.7	
1,2-Dichlorobenzene	1.21	1.231		-1.7	
1,3-Dichlorobenzene	1.31	1.347		-3.1	
1,4-Dichlorobenzene	1.34	1.387		-3.4	20.0
1,4-Dichlorobenzene-D4	1.00	1.000		0.0	
1-Methylnaphthalene	0.981	1.019		-3.9	
2,4,5-Trichlorophenol	0.369	0.402		-8.9	
2,4,6-Trichlorophenol	0.354	0.372		-5.1	20.0
2,4-Dichlorophenol	0.265	0.283		-6.8	20.0
2,4-Dimethylphenol	0.262	0.268		-2.3	
2,4-Dinitrophenol	0.149	0.149	0.050	0.0	
2,4-Dinitrotoluene	0.325	0.331		-1.8	
2,6-Dinitrotoluene	0.257	0.267		-3.9	
2-Chloronaphthalene	0.986	1.028		-4.3	
2-Chlorophenol	1.32	1.338		-1.2	
2-Methylnaphthalene	0.622	0.651		-4.7	
2-Methylphenol	1.10	1.153		-5.1	
2-Nitroaniline	0.364	0.383		-5.2	
2-Nitrophenol	0.183	0.180		1.6	20.0
3-, 4-Methylphenol	1.59	1.649		-3.7	
3-Nitroaniline	0.103	0.051		50.5	
4,6-Dinitro-2-methylphenol	0.145	0.138		4.8	
4-bromophenyl phenyl ether	0.203	0.209		-3.0	
4-Chloro-3-methylphenol	0.313	0.334		-6.7	20.0
4-Chloroaniline	0.148	0.139		6.1	
4-Chlorophenyl phenyl ether	0.549	0.562		-2.4	
4-Nitroaniline	0.139	0.124		10.8	
4-Nitrophenol	0.168	0.164	0.050	2.4	
Acenaphthene	0.883	0.909		-2.9	20.0
Acenaphthene-d10	1.00	1.000		0.0	
Acenaphthylene	1.28	1.383		-7.7	
Aldrin	0.173	0.165		4.6	
alpha-BHC	0.158	0.151		4.4	
Anthracene	0.923	0.986		-6.8	
Benzoic Acid	0.177	0.183		-3.4	
Benzo[a]anthracene	1.08	1.118		-3.5	
Benzo[a]pyrene	0.961	1.133		-17.9	20.0
Benzo[b]fluoranthene	1.21	1.340		-10.6	
Benzo[k]fluoranthene	1.36	1.469		-7.9	
Benzyl Alcohol	0.919	0.976		-6.2	

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

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Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD6 Calibration Date: 07/11/05 Time: 14:54

Lab File ID: 0711602.D Init. Calib. Date: 06/27/05

EPA Sample No.: SVCVS6 Init. Calib. Time: 21:03

GC Column: Rtx-5Sil MS ID: 0.25 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
beta-BHC	0.132	0.128		3.0	
Bis(2-chloroethoxy)methane	0.385	0.398		-3.4	
Bis(2-chloroethyl)ether	1.397	1.511		-8.2	
Bis(2-chloroisopropyl)ether	1.644	1.692		-2.9	
Bis(2-ethylhexyl)phthalate	0.918	0.994		-8.3	
Butylbenzylphthalate	0.709	0.812		-14.5	
Carbazole	0.725	0.452		37.7	
Chrysene	1.055	1.096		-3.9	
Chrysene-D12	1.000	1.000		0.0	
delta-BHC	0.128	0.119		7.0	
Di-n-Butylphthalate	1.189	1.192		-0.3	
Di-n-octylphthalate	2.178	2.384		-9.5	20.0
Dibenzofuran	1.431	1.506		-5.2	
Dibenzo[a,h]anthracene	0.399	0.751		-88.2	
Dieldrin	0.223	0.205		8.1	
Diethylphthalate	1.079	1.066		1.2	
Dimethylphthalate	1.167	1.219		-4.5	
Diphenylamine	0.417	0.401		3.8	
Endosulfan I	0.043	0.043#		0.0	
Endosulfan II	0.000	0.000#		0.0	
Endosulfan Sulfate	0.054	0.045#		16.7	
Endrin	0.038	0.038#		0.0	
Endrin Aldehyde	0.000	0.000#		0.0	
Endrin Ketone	0.040	0.030#		25.0	
Fluoranthene	1.042	1.051		-0.9	20.0
Fluorene	1.063	1.118		-5.2	
gamma-BHC	0.135	0.131		3.0	
Heptachlor	0.150	0.148		1.3	
Heptachlor Epoxide	0.052	0.051		1.9	
Hexachlorobenzene	0.200	0.190		5.0	
Hexachlorobutadiene	0.177	0.175		1.1	20.0
Hexachlorocyclopentadiene	0.141	0.112	0.050	20.6	
Hexachloroethane	0.531	0.525		1.1	
Indeno(1,2,3-c,d)pyrene	0.409	0.703		-71.9	
Isophorone	0.582	0.569		2.2	
Methoxychlor	0.626	0.529		15.5	
N-Nitrosodi-n-propylamine	0.834	0.842		-1.0	
N-Nitrosodimethylamine	0.668	0.745		-11.5	
Naphthalene	0.872	0.905		-3.8	
Naphthalene-D8	1.000	1.000		0.0	

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD6 Calibration Date: 07/11/05 Time: 14:54

Lab File ID: 0711602.D Init. Calib. Date: 06/27/05

EPA Sample No.: SVCVS6 Init. Calib. Time: 21:03

GC Column: Rtx-5Sil MS ID: 0.25 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
Nitrobenzene	0.394	0.415		-5.3	
Pentachlorophenol	0.147	0.138		6.1	20.0
Perylene-D12	1.000	1.000		0.0	
Phenanthrene	0.990	1.031		-4.1	
Phenanthrene-D10	1.000	1.000		0.0	
Phenol	1.797	1.898		-5.6	20.0
Pyrene	1.500	1.851		-23.4	
Pyridine	0.785	0.962		-22.5	
2,4,6-Tribromophenol	0.117	0.122		-4.3	
2-Fluorobiphenyl	1.12	1.166		-4.0	
2-Fluorophenol	1.02	1.006		1.1	
4-Terphenyl-d14	1.00	1.222		-22.2	
Nitrobenzene-d5	0.142	0.149		-4.9	
Phenol-d6	1.59	1.669		-5.2	

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD7 Calibration Date: 07/08/05 Time: 14:07

Lab File ID: 0708702.D Init. Calib. Date: 06/24/05

EPA Sample No.: SVCVS6 Init. Calib. Time: 12:32

GC Column: Rtx-5Sil MS ID: 0.25 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
1,2,4-Trichlorobenzene	6.00	6.528		-8.8	
1,2-Dichlorobenzene	6.00	6.547		-9.1	
1,3-Dichlorobenzene	6.00	6.365		-6.1	
1,4-Dichlorobenzene	6.00	6.346		-5.8	20.0
1,4-Dichlorobenzene-D4	4.00	4.000		0.0	
1-Methylnaphthalene	6.00	6.606		-10.1	
2,4,5-Trichlorophenol	6.00	6.188		-3.1	
2,4,6-Trichlorophenol	6.00	6.426		-7.1	20.0
2,4-Dichlorophenol	6.00	5.969		0.5	20.0
2,4-Dimethylphenol	6.00	5.730		4.5	
2,4-Dinitrophenol	6.00	5.962	0.050	0.6	
2,4-Dinitrotoluene	6.00	6.038		-0.6	
2,6-Dinitrotoluene	6.00	6.300		-5.0	
2-Chloronaphthalene	6.00	6.312		-5.2	
2-Chlorophenol	6.00	5.976		0.4	
2-Methylnaphthalene	6.00	6.254		-4.2	
2-Methylphenol	6.00	6.108		-1.8	
2-Nitroaniline	6.00	4.976		17.1	
2-Nitrophenol	6.00	5.810		3.2	20.0
3-, 4-Methylphenol	6.00	5.829		2.9	
3-Nitroaniline	6.00	4.703		21.6	
4,6-Dinitro-2-methylphenol	6.00	6.518		-8.6	
4-bromophenyl phenyl ether	6.00	6.663		-11.1	
4-Chloro-3-methylphenol	6.00	6.157		-2.6	20.0
4-Chloroaniline	6.00	3.595		40.1	
4-Chlorophenyl phenyl ether	6.00	6.135		-2.2	
4-Nitroaniline	6.00	4.487		25.2	
4-Nitrophenol	6.00	4.760	0.050	20.7	
Acenaphthene	6.00	6.471		-7.9	20.0
Acenaphthene-d10	4.00	4.000		0.0	
Acenaphthylene	6.00	6.658		-11.0	
Aldrin	6.00	7.290		-21.5	
alpha-BHC	6.00	7.447		-24.1	
Anthracene	6.00	6.345		-5.7	
Azobenzene	6.00	6.566		-9.4	
Benzoic Acid	6.00	5.284		11.9	
Benzo[a]anthracene	6.00	6.453		-7.6	
Benzo[a]pyrene	6.00	6.216		-3.6	20.0
Benzo[b]fluoranthene	6.00	5.570		7.2	
Benzo[k]fluoranthene	6.00	6.077		-1.3	

N.C. Certification #481 S.C. Certification #99029

Paradigm Analytical Laboratories, INC.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD7 Calibration Date: 07/08/05 Time: 14:07

Lab File ID: 0708702.D Init. Calib. Date: 06/24/05

EPA Sample No.: SVCVS6 Init. Calib. Time: 12:32

GC Column: Rtx-5Sil MS ID: 0.25 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
Benzyl Alcohol	6.000	5.088		15.2	
beta-BHC	6.000	7.464		-24.4	
Bis(2-chloroethoxy)methane	6.000	6.186		-3.1	
Bis(2-chloroethyl)ether	6.000	5.978		0.4	
Bis(2-chloroisopropyl)ether	6.000	6.939		-15.7	
Bis(2-ethylhexyl)phthalate	6.000	6.117		-2.0	
Butylbenzylphthalate	6.000	5.901		1.7	
Carbazole	6.000	-1.000		116.7	
Chrysene	6.000	6.226		-3.8	
Chrysene-D12	4.000	4.000		0.0	
delta-BHC	6.000	7.395		-23.2	
Di-n-Butylphthalate	6.000	6.930		-15.5	
Di-n-octylphthalate	6.000	4.865		18.9	20.0
Dibenzofuran	6.000	6.027		-0.5	
Dibenzo[a,h]anthracene	6.000	6.153		-2.5	
Dieldrin	6.000	7.257		-20.9	
Diethylphthalate	6.000	6.627		-10.4	
Dimethylphthalate	6.000	6.414		-6.9	
Diphenylamine	6.000	5.137		14.4	
Endosulfan I	6.000	7.574		-26.2	
Endosulfan II	6.000	0.000		100.0	
Endosulfan Sulfate	6.000	7.603		-26.7	
Endrin	6.000	7.905		-31.8	
Endrin Aldehyde	6.000	0.000		100.0	
Endrin Ketone	6.000	7.241		-20.7	
Fluoranthene	6.000	6.589		-9.8	20.0
Fluorene	6.000	6.043		-0.7	
gamma-BHC	6.000	7.317		-22.0	
Heptachlor	6.000	7.987		-33.1	
Heptachlor Epoxide	6.000	7.326		-22.1	
Hexachlorobenzene	6.000	7.163		-19.4	
Hexachlorobutadiene	6.000	6.897		-15.0	20.0
Hexachlorocyclopentadiene	6.000	5.574	0.050	7.1	
Hexachloroethane	6.000	7.062		-17.7	
Indeno(1,2,3-c,d)pyrene	6.000	6.280		-4.7	
Isophorone	6.000	6.592		-9.9	
Methoxychlor	6.000	8.925		-48.8	
N-Nitrosodi-n-propylamine	6.000	6.467		-7.8	
N-Nitrosodimethylamine	6.000	6.105		-1.8	
Naphthalene	6.000	6.394		-6.6	

Paradigm Analytical Laboratories, INC.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD7 Calibration Date: 07/08/05 Time: 14:07

Lab File ID: 0708702.D Init. Calib. Date: 06/24/05

EPA Sample No.: SVCVS6 Init. Calib. Time: 12:32

GC Column: Rtx-5Sil MS ID: 0.25 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
Naphthalene-D8	4.000	4.000		0.0	
Nitrobenzene	6.000	6.446		-7.4	
Pentachlorophenol	6.000	5.616		6.4	20.0
Perylene-D12	4.000	4.000		0.0	
Phenanthrene	6.000	6.386		-6.4	
Phenanthrene-D10	4.000	4.000		0.0	
Phenol	6.000	5.877		2.1	20.0
Pyrene	6.000	6.056		-0.9	
Pyridine	6.000	6.181		-3.0	
2,4,6-Tribromophenol	6.00	6.039		-0.6	
2-Fluorobiphenyl	6.00	6.403		-6.7	
2-Fluorophenol	6.00	5.988		0.2	
4-Terphenyl-d14	6.00	5.652		5.8	
Nitrobenzene-d5	6.00	6.109		-1.8	
Phenol-d6	6.00	5.755		4.1	

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD7 Calibration Date: 07/11/05 Time: 15:23

Lab File ID: 0711702.D Init. Calib. Date: 06/24/05

EPA Sample No.: SVCVS6 Init. Calib. Time: 12:32

GC Column: Rtx-5Sil MS ID: 0.25 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
1,2,4-Trichlorobenzene	0.249	0.271		-8.8	
1,2-Dichlorobenzene	1.21	1.311		-8.0	
1,3-Dichlorobenzene	1.30	1.374		-6.1	
1,4-Dichlorobenzene	1.36	1.435		-5.4	20.0
1,4-Dichlorobenzene-D4	1.00	1.000		0.0	
1-Methylnaphthalene	1.12	1.204		-7.6	
2,4,5-Trichlorophenol	0.353	0.340		3.7	
2,4,6-Trichlorophenol	0.323	0.334		-3.4	20.0
2,4-Dichlorophenol	0.228	0.230		-0.9	20.0
2,4-Dimethylphenol	0.250	0.249		0.4	
2,4-Dinitrophenol	0.134	0.140	0.050	-4.5	
2,4-Dinitrotoluene	0.311	0.318		-2.3	
2,6-Dinitrotoluene	0.239	0.252		-5.4	
2-Chloronaphthalene	0.975	1.020		-4.6	
2-Chlorophenol	1.23	1.264		-2.7	
2-Methylnaphthalene	0.614	0.640		-4.2	
2-Methylphenol	0.911	0.973		-6.8	
2-Nitroaniline	0.265	0.235		11.3	
2-Nitrophenol	0.166	0.168		-1.2	20.0
3-, 4-Methylphenol	1.29	1.300		-0.5	
3-Nitroaniline	0.056	0.012		78.6	
4,6-Dinitro-2-methylphenol	0.102	0.126		-23.5	
4-bromophenyl phenyl ether	0.170	0.192		-12.9	
4-Chloro-3-methylphenol	0.230	0.238		-3.5	20.0
4-Chloroaniline	0.091	0.055		39.6	
4-Chlorophenyl phenyl ether	0.513	0.518		-1.0	
4-Nitroaniline	0.107	0.080		25.2	
4-Nitrophenol	0.091	0.069	0.050	24.2	
Acenaphthene	0.990	1.066		-7.7	20.0
Acenaphthene-d10	1.00	1.000		0.0	
Acenaphthylene	1.43	1.586		-10.6	
Aldrin	0.125	0.148		-18.4	
alpha-BHC	0.119	0.144		-21.0	
Anthracene	0.966	0.993		-2.8	
Azobenzene	0.683	0.742		-8.6	
Benzoic Acid	0.141	0.107		24.1	
Benzo[a]anthracene	1.17	1.248		-6.4	
Benzo[a]pyrene	1.04	1.049		-0.8	20.0
Benzo[b]fluoranthene	1.29	1.236		4.1	
Benzo[k]fluoranthene	1.39	1.533		-10.3	

N.C. Certification #481 S.C. Certification #99029

Paradigm Analytical Laboratories, INC.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD7 Calibration Date: 07/11/05 Time: 15:23

Lab File ID: 0711702.D Init. Calib. Date: 06/24/05

EPA Sample No.: SVCVS6 Init. Calib. Time: 12:32

GC Column: Rtx-5Sil MS ID: 0.25 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
Benzyl Alcohol	0.733	0.740		-1.0	
beta-BHC	0.102	0.124		-21.6	
Bis(2-chloroethoxy)methane	0.318	0.340		-6.9	
Bis(2-chloroethyl)ether	1.212	1.287		-6.2	
Bis(2-chloroisopropyl)ether	1.735	2.018		-16.3	
Bis(2-ethylhexyl)phthalate	1.163	1.105		5.0	
Butylbenzylphthalate	0.822	0.801		2.6	
Carbazole	0.388	0.000#		100.0	
Chrysene	1.098	1.127		-2.6	
Chrysene-D12	1.000	1.000		0.0	
delta-BHC	0.095	0.115		-21.1	
Di-n-Butylphthalate	1.169	1.338		-14.5	
Di-n-octylphthalate	2.715	2.404		11.5	20.0
Dibenzofuran	1.477	1.479		-0.1	
Dibenzo[a,h]anthracene	0.583	0.528		9.4	
Dieldrin	0.166	0.194		-16.9	
Diethylphthalate	1.094	1.178		-7.7	
Dimethylphthalate	1.113	1.188		-6.7	
Diphenylamine	0.350	0.317		9.4	
Endosulfan I	0.031	0.038		-22.6	
Endosulfan II	0.000	0.000#		0.0	
Endosulfan Sulfate	0.046	0.055		-19.6	
Endrin	0.029	0.037		-27.6	
Endrin Aldehyde	0.000	0.000#		0.0	
Endrin Ketone	0.038	0.041		-7.9	
Fluoranthene	0.927	1.028		-10.9	20.0
Fluorene	1.081	1.105		-2.2	
gamma-BHC	0.106	0.126		-18.9	
Heptachlor	0.122	0.154		-26.2	
Heptachlor Epoxide	0.052	0.060		-15.4	
Hexachlorobenzene	0.176	0.204		-15.9	
Hexachlorobutadiene	0.123	0.137		-11.4	20.0
Hexachlorocyclopentadiene	0.072	0.075	0.050	-4.2	
Hexachloroethane	0.430	0.507		-17.9	
Indeno(1,2,3-c,d)pyrene	0.595	0.510		14.3	
Isophorone	0.430	0.473		-10.0	
Methoxychlor	0.471	0.650		-38.0	
N-Nitrosodi-n-propylamine	0.628	0.714		-13.7	
N-Nitrosodimethylamine	0.579	0.615		-6.2	
Naphthalene	0.806	0.859		-6.6	

Paradigm Analytical Laboratories, INC.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD7 Calibration Date: 07/11/05 Time: 15:23

Lab File ID: 0711702.D Init. Calib. Date: 06/24/05

EPA Sample No.: SVCVS6 Init. Calib. Time: 12:32

GC Column: Rtx-5Sil MS ID: 0.25 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
Naphthalene-D8	1.000	1.000		0.0	
Nitrobenzene	0.275	0.297		-8.0	
Pentachlorophenol	0.095	0.094		1.1	20.0
Perylene-D12	1.000	1.000		0.0	
Phenanthrene	1.006	1.079		-7.3	
Phenanthrene-D10	1.000	1.000		0.0	
Phenol	1.560	1.391		10.8	20.0
Pyrene	1.476	1.508		-2.2	
Pyridine	0.777	0.757		2.6	
2,4,6-Tribromophenol	0.123	0.124		-0.8	
2-Fluorobiphenyl	1.11	1.170		-5.8	
2-Fluorophenol	0.921	0.950		-3.1	
4-Terphenyl-d14	1.00	0.963		3.7	
Nitrobenzene-d5	0.128	0.133		-3.9	
Phenol-d6	1.35	1.344		0.7	

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No: SAS No.: SDG No.:

EPA Sample No.: SVCVS6 Date Analyzed: 07/08/05

Lab File ID (Standard): 0708702.D Time Analyzed: 14:07

Instrument ID: MSD7 GC Column: Rtx-5Sil MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	229683	6.25	907389	8.16	443391	10.92
	UPPER LIMIT	459366	6.75	1814778	8.66	886782	11.42
	LOWER LIMIT	114842	5.75	453695	7.66	221696	10.42
	EPA SAMPLE						
01	G161-2048-22F MS	206137	6.25	821949	8.16	396459	10.92
02	G161-2048-22G MSD	206254	6.25	820216	8.16	397790	10.92
03	LCS3180	217051	6.25	878375	8.16	430538	10.92
04	PB3180	217868	6.25	871109	8.15	419527	10.92
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = + 100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:
Lab Code: NC00919 Case No: SAS No.: SDG No.:
EPA Sample No.: SVCVS6 Date Analyzed: 07/08/05
Lab File ID (Standard): 0708702.D Time Analyzed: 14:07
Instrument ID: MSD7 GC Column: Rtx-5Sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	664443	13.28	450615	17.51	368497	19.63
	UPPER LIMIT	1328886	13.78	901230	18.01	736994	20.13
	LOWER LIMIT	332222	12.78	225308	17.01	184249	19.13
	EPA SAMPLE						
01	G161-2048-22F MS	608401	13.28	405953	17.51	322180	19.63
02	G161-2048-22G MSD	619125	13.28	422310	17.51	333193	19.63
03	LCS3180	660895	13.28	421866	17.51	341376	19.63
04	PB3180	624969	13.28	350814	17.51	250508	19.63
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = + 100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No: SAS No.: SDG No.:

EPA Sample No.: SVCVS6 Date Analyzed: 07/11/05

Lab File ID (Standard): 0711702.D Time Analyzed: 15:23

Instrument ID: MSD7 GC Column: Rtx-5Sil MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	253855	6.25	1008002	8.16	497103	10.92
	UPPER LIMIT	507710	6.75	2016004	8.66	994206	11.42
	LOWER LIMIT	126928	5.75	504001	7.66	248552	10.42
	EPA SAMPLE						
01	G161-2048-22E	200610	6.25	786170	8.15	394624	10.92
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = + 100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

Paradigm Analytical Laboratories, INC.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:
Lab Code: NC00919 Case No: SAS No.: SDG No.:
EPA Sample No.: SVCVS6 Date Analyzed: 07/11/05
Lab File ID (Standard): 0711702.D Time Analyzed: 15:23
Instrument ID: MSD7 GC Column: Rtx-5Sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	751056	13.28	512911	17.51	363259	19.63
	UPPER LIMIT	1502112	13.78	1025822	18.01	726518	20.13
	LOWER LIMIT	375528	12.78	256456	17.01	181630	19.13
	EPA SAMPLE						
01	G161-2048-22E	564886	13.28	328230	17.51	209331	19.63
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = + 100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No: SAS No.: SDG No.:

EPA Sample No.: SVCVS6 Date Analyzed: 07/11/05

Lab File ID (Standard): 0711602.D Time Analyzed: 14:54

Instrument ID: MSD6 GC Column: Rtx-5Sil MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	186966	7.17	743462	9.09	421758	11.88
	UPPER LIMIT	373932	7.67	1486924	9.59	843516	12.38
	LOWER LIMIT	93483	6.67	371731	8.59	210879	11.38
	EPA SAMPLE						
01	MW-1-3	142523	7.17	547581	9.1	297850	11.88
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = + 100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

Paradigm Analytical Laboratories, INC.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:
Lab Code: NC00919 Case No: SAS No.: SDG No.:
EPA Sample No.: SVCVS6 Date Analyzed: 07/11/05
Lab File ID (Standard): 0711602.D Time Analyzed: 14:54
Instrument ID: MSD6 GC Column: Rtx-5Sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	626379	14.26	334233	18.51	198503	20.85
	UPPER LIMIT	1252758	14.76	668466	19.01	397006	21.35
	LOWER LIMIT	313190	13.76	167117	18.01	99252	20.35
	EPA SAMPLE						
01	MW-1-3	444001	14.27	199092	18.52	106182	20.87
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = + 100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

LABORATORY CONTROL SAMPLE SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Paradigm Analytical Laboratories, INC.
Lab Code: NC00919 Case No.: SAS No.: SDG No:
Matrix: (soil/water) SOIL Lab Sample ID: LCS3180
Sample wt/vol: 32 (g) Lab File ID: 0708704.D
Level: (low/med) LOW
% Moisture: 0% Decanted:(Y/N) N Date Analyzed: 07/08/05 15:15
Concentrated Extract Volume: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (µL) Extraction: (Type) SOXH
GPC Cleanup: N

CAS NO.	COMPOUND	SPIKE AMT (µg/kg)	SAMP CONC (µg/kg)	% REC #	QC LIMITS
83-32-9	Acenaphthene	3125	3600	115	48.9-117
208-96-8	Acenaphthylene	3125	4020	129	66.7-146
120-12-7	Anthracene	3125	3540	113	49.0-114
56-55-3	Benzo[a]anthracene	3125	3350	107	43.2-120
50-32-8	Benzo[a]pyrene	3125	3790	121	54.1-122
205-99-2	Benzo[b]fluoranthene	3125	3350	107	46.1-120
191-24-2	Benzo[g,h,i]perylene	3125	3910	125*	51.2-119
207-08-9	Benzo[k]fluoranthene	3125	3390	108	55.8-124
65-85-0	Benzoic Acid	3125	2470	79.0*	10.0-68.7
100-51-6	Benzyl Alcohol	3125	2920	93.5	48.9-111
111-91-1	Bis(2-chloroethoxy)methane	3125	3440	110	55.0-113
111-44-4	Bis(2-chloroethyl)ether	3125	3250	104	50.9-106
108-60-1	Bis(2-chloroisopropyl)ether	3125	3590	115	46.6-126
117-81-7	Bis(2-ethylhexyl)phthalate	3125	3340	107	26.4-140
101-55-3	4-bromophenyl phenyl ether	3125	3580	114*	50.2-112
85-68-7	Butylbenzylphthalate	3125	3330	106	35.7-136
106-47-8	4-Chloroaniline	3125	2310	74.0*	10.0-201
59-50-7	4-Chloro-3-methylphenol	3125	3280	105	49.4-117
91-58-7	2-Chloronaphthalene	3125	3340	107	52.2-118
95-57-8	2-Chlorophenol	3125	3160	101	51.5-110
7005-72-3	4-Chlorophenyl phenyl ether	3125	3430	110	48.4-120
218-01-9	Chrysene	3125	3620	116	49.7-121
84-74-2	Di-n-Butylphthalate	3125	3700	118	43.8-125
117-84-0	Di-n-octylphthalate	3125	2610	83.5	18.7-137
53-70-3	Dibenzo[a,h]anthracene	3125	3270	105	49.4-116
132-64-9	Dibenzofuran	3125	3040	97.2	40.8-122
95-50-1	1,2-Dichlorobenzene	3125	3530	113*	53.6-112
541-73-1	1,3-Dichlorobenzene	3125	3440	110*	55.9-110
106-46-7	1,4-Dichlorobenzene	3125	3390	108*	51.1-100
91-94-1	3,3'-Dichlorobenzidine	3125	3750	120	34.0-189
120-83-2	2,4-Dichlorophenol	3125	3210	103	50.1-114
84-66-2	Diethylphthalate	3125	3620	116	50.4-116
105-67-9	2,4-Dimethylphenol	3125	3250	104	41.5-116
131-11-3	Dimethylphthalate	3125	3480	111*	49.5-111
534-52-1	4,6-Dinitro-2-methylphenol	3125	3700	118*	39.2-10.0
51-28-5	2,4-Dinitrophenol	3125	3400	109*	12.2-100
121-14-2	2,4-Dinitrotoluene	3125	3580	114	51.1-120
606-20-2	2,6-Dinitrotoluene	3125	3680	118*	51.7-116
206-44-0	Fluoranthene	3125	3590	115	49.8-120
86-73-7	Fluorene	3125	3500	112	46.3-120
118-74-1	Hexachlorobenzene	3125	3790	121*	50.6-115

LABORATORY CONTROL SAMPLE SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Paradigm Analytical Laboratories, INC.
Lab Code: NC00919 Case No.: SAS No.: SDG No:
Matrix: (soil/water) SOIL Lab Sample ID: LCS3180
Sample wt/vol: 32 (g) Lab File ID: 0708704.D
Level: (low/med) LOW
% Moisture: 0% Decanted:(Y/N) N Date Analyzed: 07/08/05 15:15
Concentrated Extract Volume: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (µL) Extraction: (Type) SOXH
GPC Cleanup: N

CAS NO.	COMPOUND	SPIKE AMT (µg/kg)	SAMP CONC (µg/kg)	% REC #	QC LIMITS
87-68-3	Hexachlorobutadiene	3125	3490	112*	53.0-107
77-47-4	Hexachlorocyclopentadiene	3125	5380	172*	10.0-239
67-72-1	Hexachloroethane	3125	3650	117*	53.6-112
193-39-5	Indeno(1,2,3-c,d)pyrene	3125	3130	100	46.5-112
78-59-1	Isophorone	3125	4160	133	63.4-136
90-12-0	1-Methylnaphthalene	3125	3400	109	27.5-125
91-57-6	2-Methylnaphthalene	3125	3100	99.3	44.3-117
95-48-7	2-Methylphenol	3125	3290	105	50.4-114
108-39-4	4-Methylphenol	6250	5690	91.1	39.0-107
621-64-7	N-Nitrosodi-n-propylamine	3125	4060	130*	53.1-128
86-30-6	Diphenylamine	3125	4770	152*	29.2-102
91-20-3	Naphthalene	3125	3470	111	53.3-112
88-74-4	2-Nitroaniline	3125	3310	106	39.6-132
99-09-2	3-Nitroaniline	3125	2840	91.0*	10.0-368
100-01-6	4-Nitroaniline	3125	2560	82.1	35.5-146
98-95-3	Nitrobenzene	3125	3470	111	53.2-111
88-75-5	2-Nitrophenol	3125	3180	102	48.3-110
100-02-7	4-Nitrophenol	3125	2750	87.9	39.5-118
87-86-5	Pentachlorophenol	3125	2820	90.2	38.8-99.4
85-01-8	Phenanthrene	3125	3430	110	46.5-124
108-95-2	Phenol	3125	3150	101	51.2-116
129-00-0	Pyrene	3125	3660	117	38.0-132
120-82-1	1,2,4-Trichlorobenzene	3125	3410	109	55.1-111
95-95-4	2,4,5-Trichlorophenol	3125	3100	99.2	47.4-117
88-06-2	2,4,6-Trichlorophenol	3125	3280	105	47.4-114

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: Elm Street, LLC

Sample Information and Analytical Results	
Sample Identification	MW-1-3
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	07/01/05
Date Received	07/02/05
Date Extracted	07/01/05
Date Analyzed	07/08/05
Dry Weight	78
Dilution Factor	1
C_5-C_8 Aliphatics**	< 10 (mg/Kg)
C_9-C_{12} Aliphatics**	< 10 (mg/Kg)
C_9-C_{10} Aromatics**	< 10 (mg/Kg)
Surrogate % Recovery - PID	97
Surrogate % Recovery - FID	93

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil

** = Excludes any surrogates or internal standards

Lab Info: G161-2054-1B

Reviewed By: _____

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 06/08/05 PID Initial Calibration Date: 06/08/05

Calibration Ranges and Limits

Range	MDL (07/15/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_5-C_8 Aliphatics	4.4	14	100	10
C_9-C_{12} Aliphatics	3.4	11	100	10
C_9-C_{10} Aromatics	0.13	0.41	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	%RSD or CCC	Method of Quantitation
C_5-C_8 Aliphatics	40	3.6	Calibration Factor
	1000		
	2000		
	3000		
	4000		
C_9-C_{12} Aliphatics	10	0.988	Linear Regression
	250		
	500		
	750		
	1000		
C_9-C_{10} Aromatics	10	12.9	Calibration Factor
	250		
	500		
	750		
	1000		

Calibration Check Date: 07/08/05

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	16.0
C_9-C_{12} Aliphatics	500	50	-7.1
C_9-C_{10} Aromatics	500	50	-0.4

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

MS/MSD Results for VPH
by MDEP-VPH

Client Sample ID:	Batch QC	Date Analyzed:	7/8/2005
Client Project ID:		Analyzed By:	DCS
Lab Sample ID:	QC4070805	Date Collected:	
Lab Project ID:		Date Received:	
Matrix:	Soil	Dilution:	1.0

Compound	Sample mg/kg	MS mg/kg	MSD mg/kg
C_5-C_8 Aliphatics	BQL	17	16
C_9-C_{12} Aliphatics	BQL	7.8	7.5
C_9-C_{10} Aromatics	BQL	5.2	4.8

		Total	%Rec	Total	%Rec	RPD
Gasoline	BQL	30	75%	28	71%	5.8

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit

LCS Results for VPH
by MDEP-VPH

Client Sample ID:	LCS	Date Analyzed:	7/8/2005
Client Project ID:		Analyzed By:	DCS
Lab Sample ID:	vlcs4070805	Date Collected:	
Lab Project ID:		Date Received:	
Matrix:	Soil	Dilution:	1.0

Compound	Spike mg/kg	LCS mg/kg	Percent Recovery	Recovery Limits Low	High
C_5-C_8 Aliphatics		20			
C_9-C_{12} Aliphatics		8.0			
C_9-C_{10} Aromatics		5.1			
Gasoline	40	33	83	70	130

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: _____

Project Name: _____

Sample Information and Analytical Results	
Sample Identification	Method Blank
Sample Matrix	Soil
Collection Option (for Soil)*	
Date Collected	
Date Received	
Date Extracted	
Date Analyzed	07/08/05
Dry Weight	100
Dilution Factor	1
C_5-C_8 Aliphatics**	< 10 (mg/Kg)
C_9-C_{12} Aliphatics**	< 10 (mg/Kg)
C_9-C_{10} Aromatics**	< 10 (mg/Kg)
Surrogate % Recovery - PID	80
Surrogate % Recovery - FID	85

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards

Lab Info: vblk4070805b

Reviewed By: _____

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

II

SURROGATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	S1 (BFB-PID)	S2 (BFB-FID)
01	MW-1-3	G161-2054-1B	011F0101.D	93	97
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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36					
37					
38					
39					
40					
41					
42					
43					
44					

	QC Limits
S1 (BFB-PID) = 4-bromofluorobenzene	(70-130)
S2 (BFB-FID) = 4-bromofluorobenzene	(70-130)

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

IV

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK4070805A

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab Sample ID: VBLK4070805A Lab File ID: 007F0101.D

Date Analyzed: 2005-07-08 Instrument ID: GC4

Time Analyzed: 10:15 GC Column:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	MW-1-3	G161-2054-1B	011F0101.D	2005-07-08 11:57
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
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31				
32				
33				
34				
35				
36				

COMMENTS:

N.C. Certification #481 S.C. Certification #99029

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Elm Street, LLC

Sample Information and Analytical Results	
Sample Identification	MW-1-3
Sample Matrix	Soil
Date Collected	07/01/05
Date Received	07/02/05
Date Extracted	07/08/05
Date Analyzed	07/08/05
Dry Weight	86.3
Dilution Factor	1
C_9-C_{18} Aliphatics*	< 10 (mg/Kg)
C_{19}-C_{36} Aliphatics*	< 10 (mg/Kg)
C_{11}-C_{22} Aromatics*	< 10 (mg/Kg)
Aliphatic Surrogate % Recovery	92
Aromatic Surrogate % Recovery	91

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2054-1H

Reviewed By: [illegible]

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 07/05/05

Calibration Ranges and Limits

Range	MDL (2/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_9-C_{18} Aliphatics	3.84	12.2	100	10
C_{19}-C_{36} Aliphatics	0.57	1.8	100	10
C_{11}-C_{22} Aromatics	4.54	14.4	100	10

Calibration Concentration Levels

Range	Levels (µg/mL)	%RSD or CCC	Method of Quantitation
C_9-C_{18} Aliphatics	6	16.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	9.4	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	16.4	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date 07/08/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	18.2
C_{19}-C_{36} Aliphatics	160	13.0
C_{11}-C_{22} Aromatics	340	-5.2

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: _____

Project Name: _____

Sample Information and Analytical Results	
Sample Identification	Method Blank
Sample Matrix	Soil
Date Collected	
Date Received	
Date Extracted	
Date Analyzed	07/08/05
Dry Weight	100
Dilution Factor	1
C_9-C_{18} Aliphatics*	< 10 (mg/Kg)
C_{19}-C_{36} Aliphatics*	< 10 (mg/Kg)
C_{11}-C_{22} Aromatics*	< 10 (mg/Kg)
Aliphatic Surrogate % Recovery	94
Aromatic Surrogate % Recovery	95

Comments:

* = Excludes any surrogates or internal standards
Sample did not require fractionation

Lab info: pb3191

Reviewed By: _____

MS/MSD Results for EPH
by MDEP-EPH

Client Sample ID:	Batch QC	Date Analyzed:	9/15/2005
Client Project ID:		Analyzed By:	CLP
Lab Sample ID:	QC3191	Date Collected:	
Lab Project ID:		Date Received:	
Matrix:	Soil	Dilution:	1 0

Compound	Sample mg/kg	MS mg/kg	%Rec	MSD ug/L	%Rec	RPD
C_9-C_{18} Aliphatics	BQL	13	89	16	100	11 6
C_{19}-C_{36} Aliphatics	BQL	21	103	27	112	8 8
C_{11}-C_{22} Aromatics	BQL	40	109	53	132	18 8

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit

LCS Results for EPH
by MDEP-EPH

Client Sample ID:	LCS	Date Analyzed:	9/15/2005
Client Project ID:		Analyzed By:	CLP
Lab Sample ID:	LCS3191	Date Collected:	
Lab Project ID:		Date Received:	
Matrix:	Soil	Dilution:	1.0

Compound	Spiked mg/kg	LCS mg/kg	%Rec	%Recovery Limits Lower	Upper
C_9-C_{18} Aliphatics	16.7	10.0	60	40	140
C_{19}-C_{36} Aliphatics	25.0	19.0	76	40	140
C_{11}-C_{22} Aromatics	41.7	40.0	96	40	140

Reviewed By:

Comments:
BQL = Below Quantitation Limit

5035 Sample Raw Data

PARADIGM ANALYTICAL LABORATORIES, INC.
Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3070805\0708319.D Vial: 19
Acq On : 8 Jul 2005 5:10 pm Operator: RNP
Sample : G161-2054-1a Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 17:35 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

gp 7/10/05

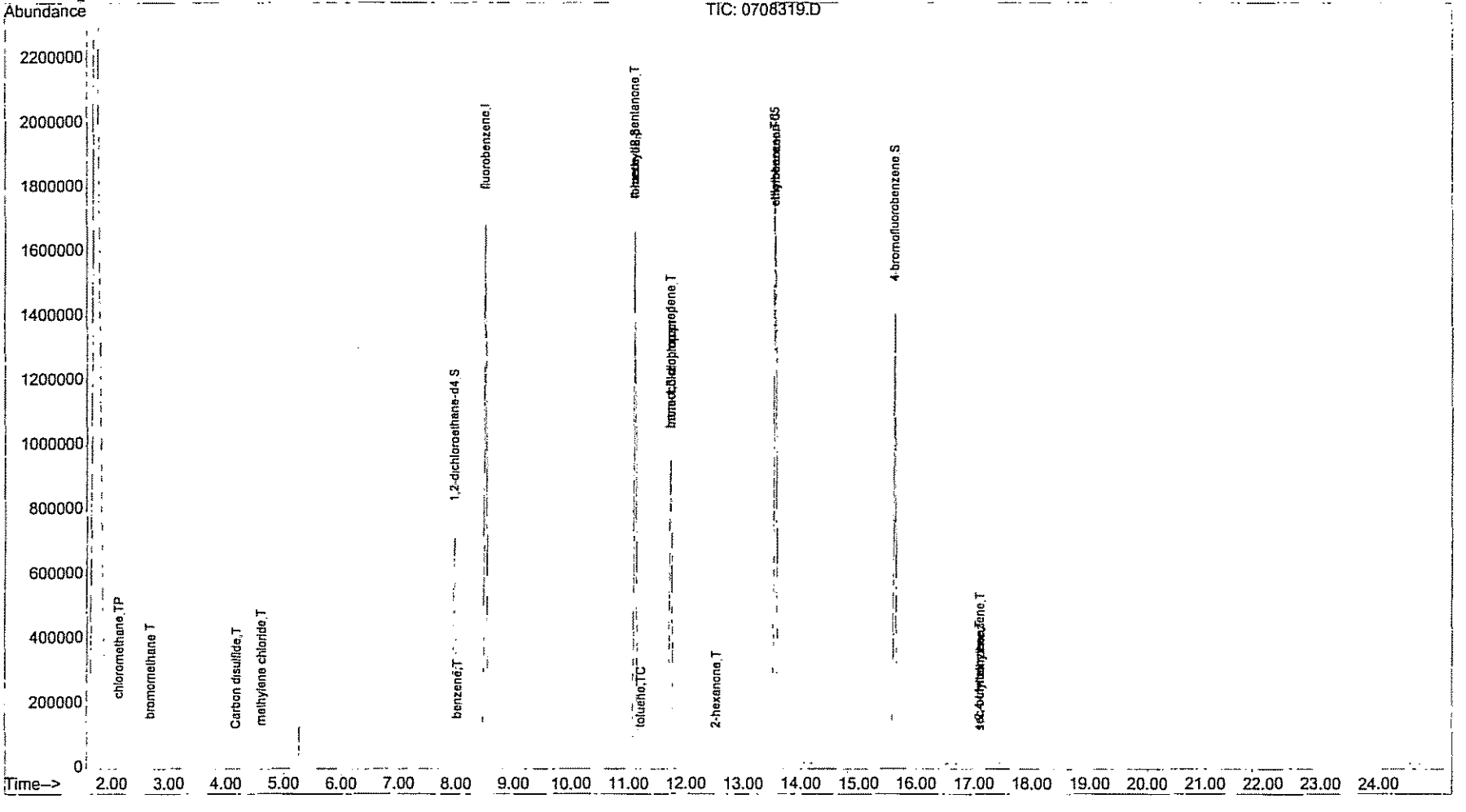
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	2391498	50.00	ppb	0.00
39) bromochloropropane	11.72	79	313052	50.00	ppb	-0.02
53) chlorobenzene-d5	13.54	117	1828126	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.96	65	777486	51.88	ppb	0.00
Spiked Amount 50.000			Recovery	=	103.76%	
33) toluene-d8	11.10	98	1743479	50.58	ppb	0.00
Spiked Amount 50.000			Recovery	=	101.16%	
49) 4-bromofluorobenzene	15.61	95	892764	48.40	ppb	0.00
Spiked Amount 50.000			Recovery	=	96.80%	
Target Compounds						Qvalue
3) chloromethane	2.13	50	605	0.04	ppb #	41
5) bromomethane	2.66	94	4590	~~1.06~~ ppb	#	2
8) acrolein	3.68	56	1003	Below Cal	#	1
10) acetone	3.94	43	70604	Below Cal		96
11) methylene chloride	4.61	84	9823	0.69	ppb	94
17) 2-butanone	6.71	43	5137	Below Cal	#	100
24) benzene	8.03	78	16094	0.26	ppb #	82
32) 4-methyl-2-pentanone	11.10	43	9066	0.20	ppb #	1
34) toluene	11.21	92	5491	0.14	ppb	99
36) trans-1,3-dichloropropene	11.73	75	13530	0.77	ppb #	50
38) Carbon disulfide	4.16	76	2458	0.06	ppb #	76
43) 2-hexanone	12.52	43	3174	0.09	ppb #	26
52) 1,2,3-trichloropropane	15.72	75	601	Below Cal	#	1
54) ethylbenzene	13.53	91	1427	0.02	ppb #	45
64) 1,2,4-trimethylbenzene	17.08	105	2527	0.05	ppb #	36
65) sec-butylbenzene	17.08	105	2527	0.03	ppb #	62
74) naphthalene	21.78	128	6674	Below Cal		100

(#) = qualifier out of range (m) = manual integration
0708319.D 8260SSC.M Fri Jul 08 17:35:22 2005 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\3070805\0708319.D Vial: 19
Acq On : 8 Jul 2005 5:10 pm Operator: RNP
Sample : G161-2054-1a Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 17:35 2005 Quant Results File: 8260SSC.RES

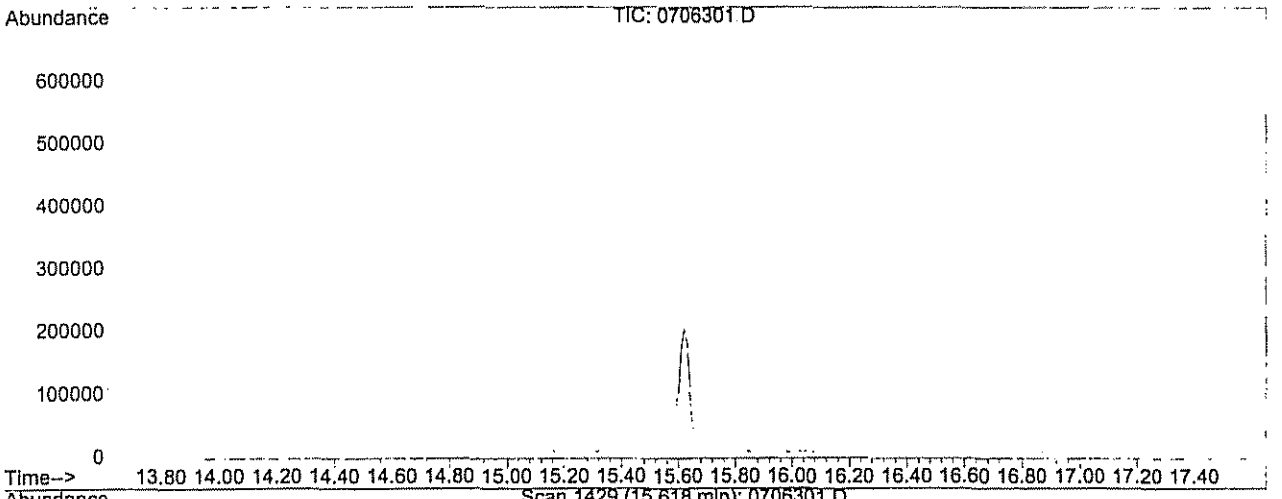
Method : C:\HPCHEM\1\DATA\3070805\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration

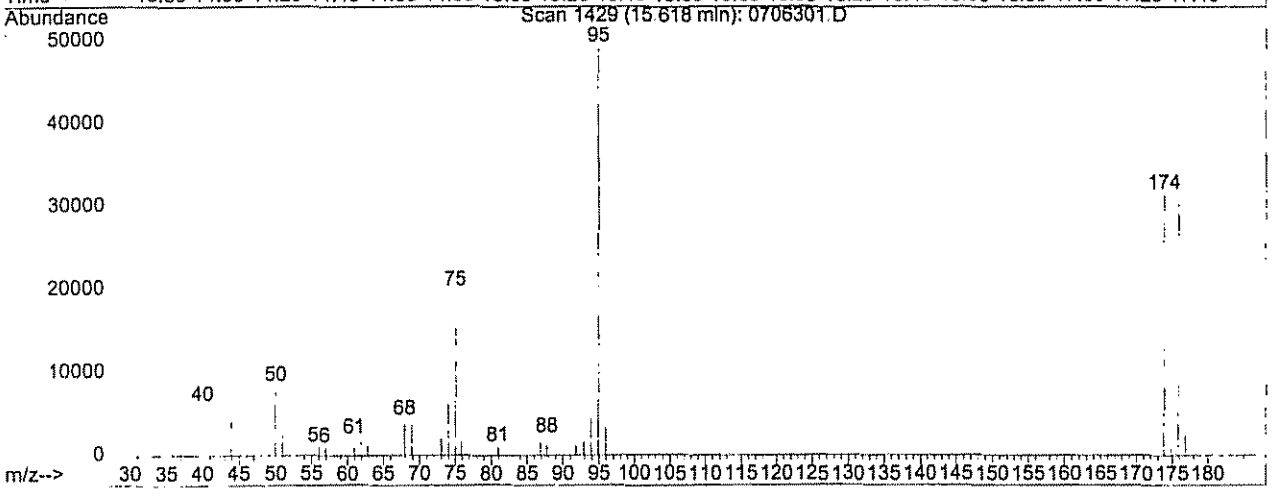


5035 Tuning

BFB

Data File : C:\HPCHEM\1\DATA\3070605\0706301.D Vial: 1
Acq On : 6 Jul 2005 9:20 am Operator: RNP
Sample : 50 ng bfb Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\DATA\3070605\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX





Spectrum Information: Scan 1429

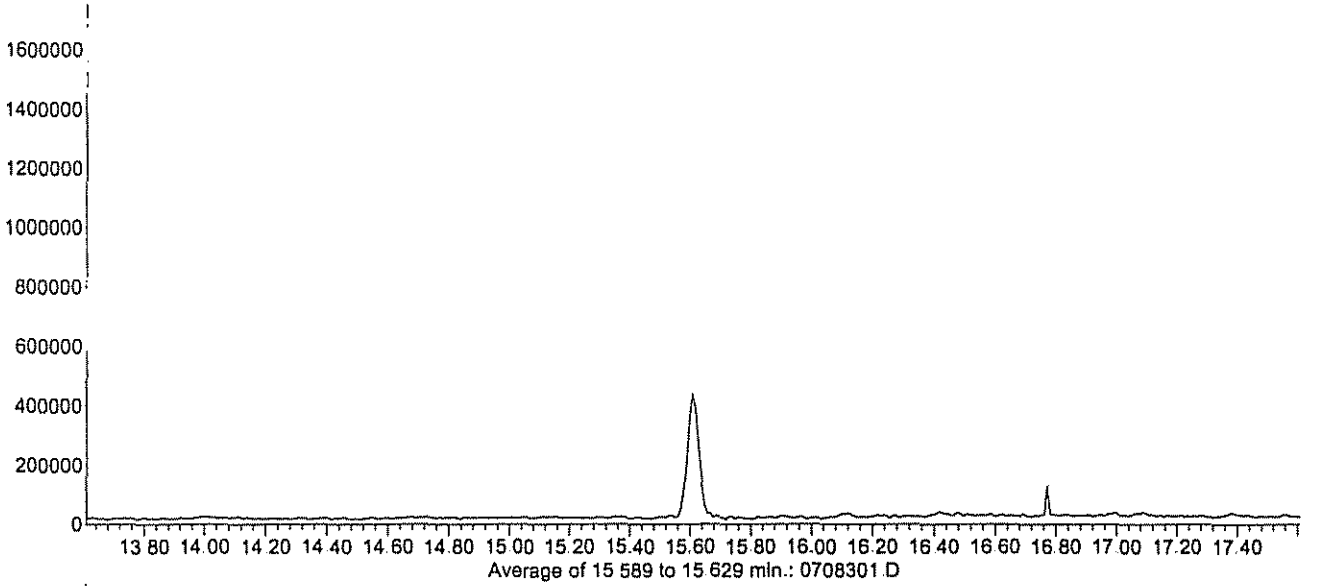
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.9	8318	PASS
75	95	30	60	40.1	19744	PASS
95	95	100	100	100.0	49200	PASS
96	95	5	9	7.3	3605	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	63.9	31416	PASS
175	174	5	9	7.7	2417	PASS
176	174	95	101	96.3	30240	PASS
177	176	5	9	7.9	2377	PASS

0706301.D 8260SSC.M Tue Sep 06 15:31:35 2005

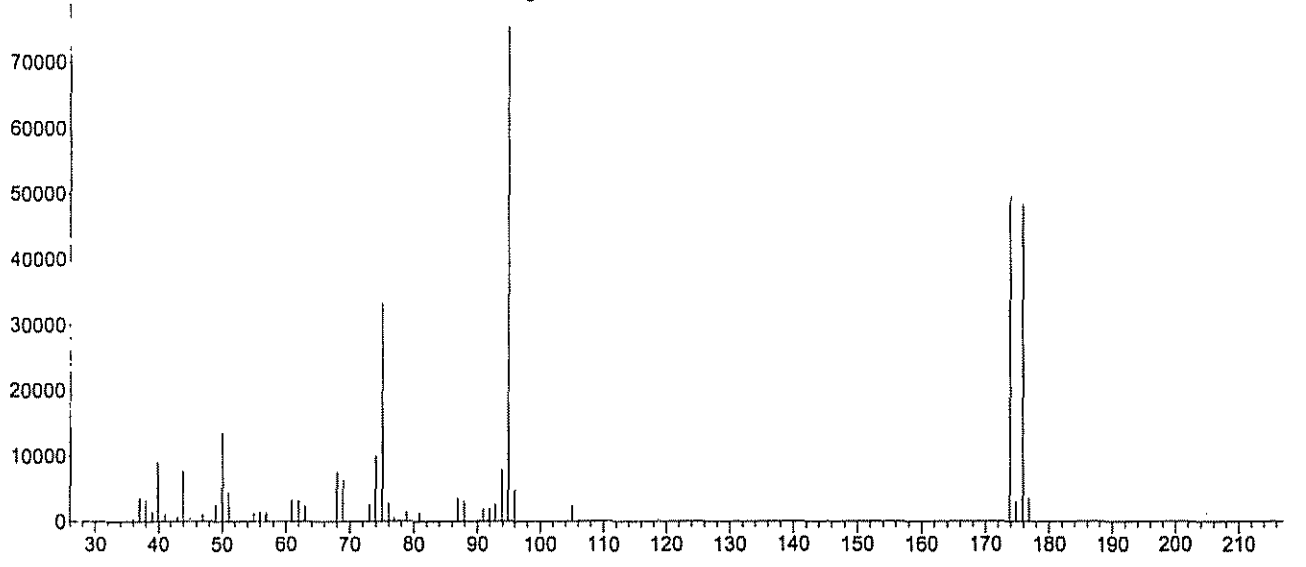
BFB

```
Data File : C:\HPCHEM\1\DATA\3070805\0708301.D          Vial: 1
Acq On    :  8 Jul 2005   7:46 am                    Operator: RNP
Sample    : 50 ng bfb                                Inst    : MSD3
Misc      :                                          Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\HPCHEM\1\DATA\3070605\8260SSC.M (RTE Integrator)
Title     : Soil for 8260/8240/624/App.II/App.IX
```

TIC: 0708301.D



Average of 15.589 to 15.629 min.: 0708301.D



Spectrum Information: Average of 15.589 to 15.629 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.8	13449	PASS
75	95	30	60	44.2	33334	PASS
95	95	100	100	100.0	75403	PASS
96	95	5	9	6.3	4752	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	65.6	49502	PASS
175	174	5	9	5.9	2933	PASS
176	174	95	101	97.5	48286	PASS
177	176	5	9	7.2	3497	PASS

5035 Calibration Raw Data

Response Factor Report MSD3

Method : C:\HPCHEM\1\DATA\3070605\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration

Calibration Files
1 =0706303.D 2 =0706305.D 3 =0706306.D
4 =0706307.D 5 =0706308.D

		Compound	1	2	3	4	5	Avg	%RSD
1)	I	fluorobenzene	----------ISTD----------						
2)	T	dichlorodifluorometha	0.323	0.249	0.266	0.271	0.252	0.272	11.00
3)	TP	chloromethane	0.422	0.366	0.366	0.395	0.363	0.382	6.68
4)	TC	vinyl chloride	0.445	0.378	0.395	0.407	0.399	0.405	6.21
5)	T	bromomethane	0.205	0.122	0.082	0.096	0.091	0.119	42.00
6)	T	chloroethane	0.263	0.195	0.185	0.093	0.068	0.161	49.49
7)	T	trichlorofluoromethan	0.492	0.410	0.427	0.362	0.382	0.415	12.09
8)	T	acrolein	0.027	0.018	0.018	0.010	0.007	0.016	48.19
9)	TC	1,1-dichloroethene	0.242	0.256	0.277	0.269	0.257	0.260	5.12
10)	T	acetone	0.344	0.186	0.143	0.131	0.124	0.186	49.43
11)	T	methylene chloride	0.316	0.303	0.305	0.299	0.287	0.302	3.41
12)	T	trans-1,2-dichloroeth	0.332	0.321	0.352	0.333	0.325	0.332	3.52
13)	T	acrylonitrile	0.101	0.107	0.098	0.099	0.090	0.099	6.09
14)	TP	1,1-dichloroethane	0.652	0.605	0.634	0.617	0.608	0.623	3.15
15)	T	2,2-dichloropropane	0.508	0.454	0.488	0.457	0.435	0.468	6.18
16)	T	cis-1,2-dichloroethen	0.335	0.319	0.335	0.325	0.320	0.327	2.38
17)	T	2-butanone	0.287	0.350	0.314	0.314	0.297	0.312	7.72
18)	T	bromochloromethane	0.116	0.116	0.114	0.114	0.111	0.114	2.01
19)	TC	chloroform	0.526	0.515	0.549	0.535	0.523	0.530	2.50
20)	T	1,1,1-trichloroethane	0.489	0.470	0.511	0.488	0.478	0.487	3.19
21)	T	carbon tetrachloride	0.416	0.410	0.449	0.425	0.412	0.423	3.69
22)	T	1,1-dichloropropene	0.469	0.459	0.504	0.484	0.473	0.478	3.55
23)	S	1,2-dichloroethane-d4	0.327	0.317	0.309	0.313	0.281	0.309	5.50
24)	T	benzene	1.612	1.352	1.420	1.366	1.360	1.422	7.69
25)	T	1,2-dichloroethane	0.374	0.381	0.371	0.369	0.349	0.369	3.22
26)	T	trichloroethene	0.353	0.334	0.359	0.343	0.340	0.346	2.94
27)	TC	1,2-dichloropropane	0.370	0.334	0.351	0.338	0.332	0.345	4.56
28)	T	dibromomethane	0.151	0.148	0.140	0.137	0.130	0.141	5.92
29)	T	bromodichloromethane	0.360	0.353	0.365	0.353	0.347	0.355	1.92
30)	T	2-chloroethyl vinyl e						0.000	-1.00
31)	T	cis-1,3-dichloroprope	0.436	0.437	0.443	0.439	0.431	0.437	0.97
32)	T	4-methyl-2-pentanone	0.811	0.876	0.764	0.779	0.741	0.794	6.59
33)	S	toluene-d8	0.730	0.729	0.722	0.731	0.722	0.727	0.62
34)	TC	toluene	0.835	0.811	0.868	0.844	0.838	0.839	2.42
35)	T	Iodomethane	0.215	0.238	0.251	0.247	0.235	0.237	5.90
36)	T	trans-1,3-dichloropro	0.390	0.375	0.362	0.364	0.363	0.371	3.20
37)	T	Vinyl acetate	0.133	0.088	0.088	0.068	0.053	0.086	34.78
38)	T	Carbon disulfide	0.987	0.941	1.050	1.002	0.982	0.993	3.97
39)	I	bromochloropropane	----------ISTD----------						
40)	T	1,1,2-trichloroethane	1.428	1.473	1.443	1.445	1.444	1.447	1.12
41)	T	tetrachloroethene	2.199	2.220	2.478	2.395	2.413	2.341	5.30
42)	T	1,3-dichloropropane	3.404	3.248	3.141	3.133	3.185	3.222	3.46

(#) = Out of Range

Response Factor Report MSD3

Method : C:\HPCHEM\1\DATA\3070605\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration

Calibration Files
1 =0706303.D 2 =0706305.D 3 =0706306.D
4 =0706307.D 5 =0706308.D

		Compound	1	2	3	4	5	Avg	%RSD
43)	T	2-hexanone	4.259	4.758	4.173	4.365	4.226	4.356	5.41
44)	T	dibromochloromethane	1.692	1.634	1.670	1.668	1.658	1.665	1.27
45)	T	1,2-dibromoethane	1.689	1.791	1.663	1.710	1.706	1.712	2.81
46)	TP	chlorobenzene	6.840	6.412	6.745	6.694	6.766	6.691	2.46
47)	T	1,1,1,2-tetrachloroet	1.795	1.788	1.849	1.755	1.766	1.791	2.03
48)	TP	bromoform	0.701	1.059	1.036	1.082	1.079	0.992	16.48
49)	S	4-bromofluorobenzene	2.846	2.944	2.977	3.112	3.079	2.992	3.58
50)	T	bromobenzene	2.176	2.117	2.225	2.220	2.210	2.190	2.06
51)	TP	1,1,2,2-tetrachloroet	2.233	2.309	2.132	2.267	2.215	2.231	2.96
52)	T	1,2,3-trichloropropan	0.223	5.366	4.916	5.189	5.131	4.165	53.04
53)		chlorobenzene-d5	----------ISTD----------						
54)	TC	ethylbenzene	2.105	2.045	2.244	2.169	1.977	2.108	4.94
55)	T	m/p-xylene	0.797	0.761	0.830	0.784	0.797	0.794	3.11
56)	T	styrene	1.041	1.054	1.119	1.081	1.093	1.078	2.87
57)	T	o-xylene	0.714	0.690	0.762	0.724	0.726	0.723	3.59
58)	T	isopropylbenzene	1.901	1.921	2.172	2.062	1.922	1.996	5.88
59)	T	n-propyl benzene	2.424	2.465	2.750	2.664	2.129	2.487	9.71
60)	T	2-chlorotoluene	0.398	0.390	0.411	0.399	0.385	0.397	2.51
61)	T	4-chlorotoluene	0.399	0.391	0.418	0.406	0.390	0.401	2.91
62)	T	1,3,5-trimethylbenzen	1.568	1.585	1.741	1.675	1.656	1.645	4.28
63)	T	tert-butylbenzene	1.272	1.306	1.445	1.395	1.390	1.361	5.20
64)	T	1,2,4-trimethylbenzen	1.565	1.561	1.704	1.671	1.664	1.633	4.01
65)	T	sec-butylbenzene	2.130	2.175	2.481	2.378	2.031	2.239	8.26
66)	T	1,3-dichlorobenzene	0.769	0.723	0.759	0.740	0.742	0.747	2.39
67)	T	4-isopropyltoluene	1.677	1.683	1.920	1.829	1.742	1.770	5.85
68)	T	1,4-dichlorobenzene	0.751	0.733	0.765	0.744	0.738	0.746	1.64
69)	T	1,2-dichlorobenzene	0.642	0.654	0.656	0.645	0.634	0.646	1.37
70)	T	n-butylbenzene	1.731	1.746	1.990	1.907	1.803	1.835	6.03
71)	T	1,2-dibromo-3-chlorop	0.400	0.428	0.386	0.399	0.394	0.401	4.00
72)	T	1,2,4-trichlorobenzen	0.420	0.413	0.435	0.434	0.439	0.428	2.62
73)	T	hexachlorobutadiene	0.174	0.177	0.206	0.196	0.202	0.191	7.68
74)	T	naphthalene	1.049	1.060	0.986	1.037	1.030	1.033	2.74
75)	T	trans-1,4-Dichloro-2-	0.312	0.330	0.306	0.319	0.311	0.316	2.99
76)	T	1,2,3-trichlorobenzen	0.380	0.378	0.378	0.383	0.385	0.381	0.80
77)	T	MTBE	1.174	1.072	1.047	1.027	1.037	1.071	5.56
78)	T	DIPE	1.998	1.867	1.929	1.807	1.845	1.889	3.98

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3070605\0706303.D Vial: 3
Acq On : 6 Jul 2005 10:23 am Operator: RNP
Sample : VSTD005 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 10:48 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 01 16:00:38 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	3121184	50.00	ppb	-0.02
39) bromochloropropane	11.72	79	410203	50.00	ppb	-0.02
53) chlorobenzene-d5	13.53	117	2349612	50.00	ppb	-0.02
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.95	65	1020048	84.99	ppb	0.00
Spiked Amount 50.000			Recovery	=	169.98%	
33) toluene-d8	11.09	98	2279442	50.33	ppb	-0.02
Spiked Amount 50.000			Recovery	=	100.66%	
49) 4-bromofluorobenzene	15.61	95	1167315	47.03	ppb	0.00
Spiked Amount 50.000			Recovery	=	94.06%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.88	85	100832	8.82	ppb	#	84
3) chloromethane	2.11	50	131589	9.00	ppb	#	77
4) vinyl chloride	2.22	62	139038	9.12	ppb	#	88
5) bromomethane	2.62	94	63918	7.57	ppb		100
6) chloroethane	2.75	64	82039	8.35	ppb	#	77
7) trichlorofluoromethane	3.08	101	153682	8.09	ppb		91
8) acrolein	3.68	56	84111	132.56	ppb	#	72
9) 1,1-dichloroethene	3.81	96	75450	2.61	ppb	#	77
10) acetone	3.92	43	107406	28.24	ppb		95
11) methylene chloride	4.58	84	98648	4.50	ppb		98
12) trans-1,2-dichloroethene	5.03	96	103649	6.32	ppb		89
13) acrylonitrile	4.99	53	315581	185.73	ppb		94
14) 1,1-dichloroethane	5.70	63	203571	3.58	ppb		94
15) 2,2-dichloropropane	6.63	77	158458	3.00	ppb		93
16) cis-1,2-dichloroethene	6.64	96	104539	6.25	ppb		85
17) 2-butanone	6.70	43	89702	14.65	ppb	#	100
18) bromochloromethane	7.03	128	36329	8.71	ppb		84
19) chloroform	7.17	83	164189	6.52	ppb		92
20) 1,1,1-trichloroethane	7.43	97	152771	6.92	ppb	#	81
21) carbon tetrachloride	7.70	117	129969	2.75	ppb		92
22) 1,1-dichloropropene	7.71	75	146493	2.81	ppb	#	90
24) benzene	8.03	78	503084	7.36	ppb		100
25) 1,2-dichloroethane	8.07	62	116597	8.34	ppb		98
26) trichloroethene	9.09	95	110329	6.01	ppb	#	86
27) 1,2-dichloropropane	9.45	63	115460	7.32	ppb	#	100
28) dibromomethane	9.64	93	47121	7.73	ppb	#	89
29) bromodichloromethane	9.92	83	112257	7.53	ppb	#	83
31) cis-1,3-dichloropropene	10.66	75	136156	7.33	ppb		96
32) 4-methyl-2-pentanone	10.93	43	253060	18.01	ppb	#	99
34) toluene	11.21	92	260525	3.29	ppb		100
35) Iodomethane	4.03	142	67085	7.27	ppb		90
36) trans-1,3-dichloropropene	11.59	75	121639	8.82	ppb	#	89
37) Vinyl acetate	5.83	86	41432	13.10	ppb	#	1
38) Carbon disulfide	4.14	76	308209	2.91	ppb		97
40) 1,1,2-trichloroethane	11.89	83	58574	7.02	ppb	#	79
41) tetrachloroethene	12.12	166	90223	2.09	ppb	#	83
42) 1,3-dichloropropane	12.16	76	139647	5.93	ppb	#	80
43) 2-hexanone	12.34	43	174700	14.99	ppb	#	98
44) dibromochloromethane	12.55	129	69410	5.61	ppb		96
45) 1,2-dibromoethane	12.74	107	69302	7.11	ppb	#	81
46) chlorobenzene	13.58	112	280575	3.01	ppb		97
47) 1,1,1,2-tetrachloroethane	13.73	131	73614	4.11	ppb	#	82
48) bromoform	15.03	173	28759	6.84	ppb	#	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3070605\0706303.D Vial: 3
Acq On : 6 Jul 2005 10:23 am Operator: RNP
Sample : VSTD005 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 10:48 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 01 16:00:38 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	bromobenzene	15.86	156	89254	3.61	ppb		87
51)	1,1,2,2-tetrachloroethane	15.90	83	91607	9.31	ppb	#	67
52)	1,2,3-trichloropropane	16.13	75	9162	4.32	ppb	#	1
54)	ethylbenzene	13.79	91	494612	2.82	ppb		97
55)	m/p-xylene	14.01	106	374391	12.74	ppb		90
56)	styrene	14.72	104	244594	6.56	ppb		100
57)	o-xylene	14.70	106	167780	6.36	ppb		100
58)	isopropylbenzene	15.35	105	446749	7.00	ppb		100
59)	n-propyl benzene	16.09	91	569658	7.15	ppb		95
60)	2-chlorotoluene	16.22	126	93481	3.39	ppb		89
61)	4-chlorotoluene	16.42	126	93763	6.21	ppb		92
62)	1,3,5-trimethylbenzene	16.41	105	368365	7.30	ppb		95
63)	tert-butylbenzene	16.99	119	298786	2.72	ppb		95
64)	1,2,4-trimethylbenzene	17.08	105	367773	7.51	ppb	#	86
65)	sec-butylbenzene	17.39	105	500554	7.94	ppb		96
66)	1,3-dichlorobenzene	17.57	146	180692	7.05	ppb		97
67)	4-isopropyltoluene	17.66	119	394058	8.24	ppb		96
68)	1,4-dichlorobenzene	17.72	146	176350	4.11	ppb		91
69)	1,2-dichlorobenzene	18.39	146	150814	7.34	ppb	#	87
70)	n-butylbenzene	18.40	91	406713	8.20	ppb		94
71)	1,2-dibromo-3-chloropropan	19.81	75	93984	16.50	ppb	#	41
72)	1,2,4-trichlorobenzene	21.33	180	98613	8.72	ppb		92
73)	hexachlorobutadiene	21.68	225	40898	8.44	ppb	#	84
74)	naphthalene	21.77	128	246547	20.80	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.01	89	73382	15.78	ppb	#	82
76)	1,2,3-trichlorobenzene	22.23	180	89376	9.75	ppb		88
77)	MTBE	5.05	73	275804	8.12	ppb	#	93
78)	DIPE	5.86	45	469446	4.24	ppb		97

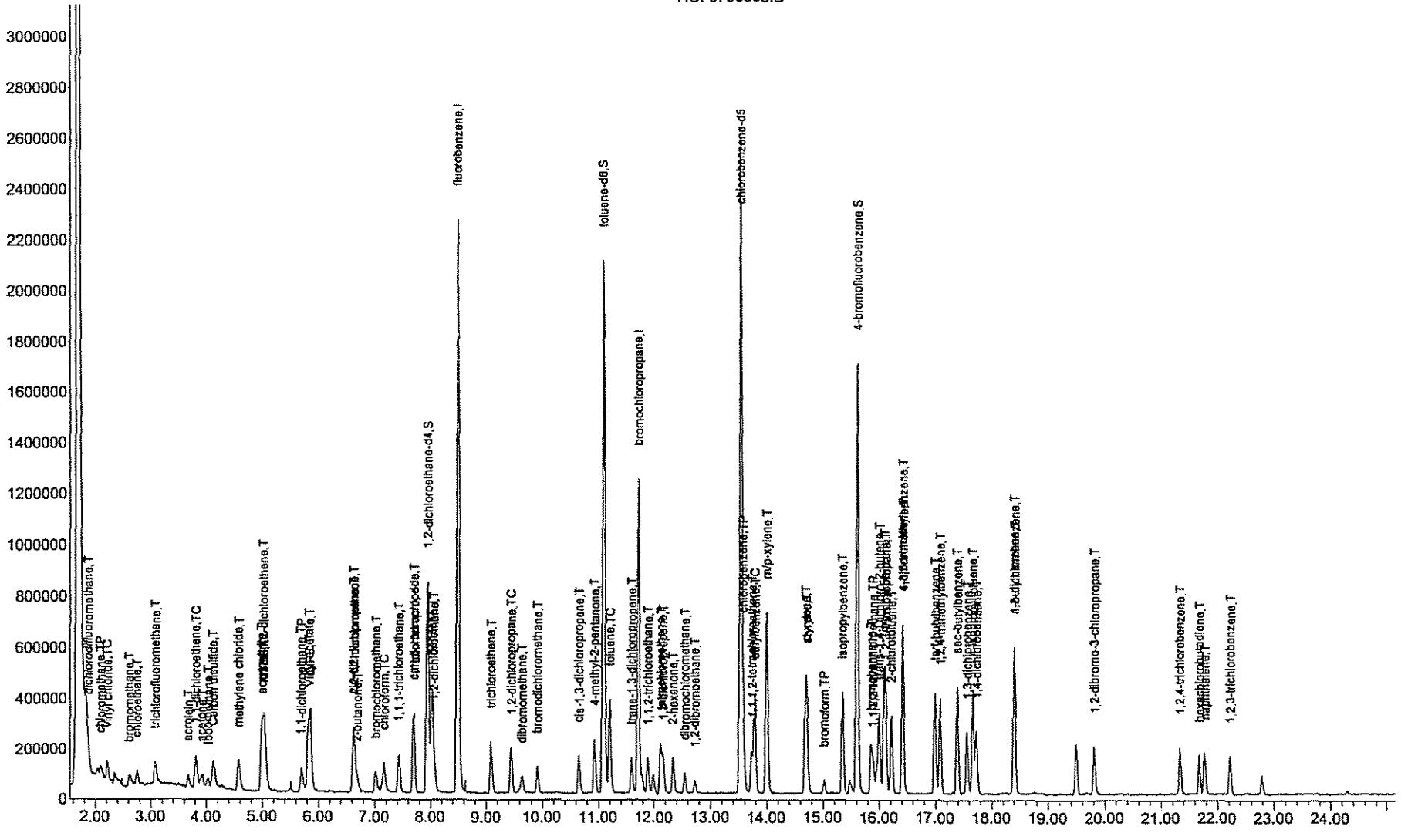
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\3070605\0706303.D Vial: 3
Acq On : 6 Jul 2005 10:23 am Operator: RNP
Sample : VSTD005 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 10:48 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3070605\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration

TIC: 0706303.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3070605\0706305.D Vial: 5
Acq On : 6 Jul 2005 11:25 am Operator: RNP
Sample : VSTD020 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 11:51 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 01 16:00:38 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	3354561	50.00	ppb	-0.02
39) bromochloropropane	11.72	79	434139	50.00	ppb	-0.02
53) chlorobenzene-d5	13.53	117	2517410	50.00	ppb	-0.02
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.95	65	1062019	82.33	ppb	0.00
Spiked Amount 50.000			Recovery	=	164.66%	
33) toluene-d8	11.09	98	2445781	50.25	ppb	-0.02
Spiked Amount 50.000			Recovery	=	100.50%	
49) 4-bromofluorobenzene	15.61	95	1278076	48.66	ppb	0.00
Spiked Amount 50.000			Recovery	=	97.32%	
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.88	85	334013	15.38	ppb #	89
3) chloromethane	2.10	50	491747	17.90	ppb #	88
4) vinyl chloride	2.22	62	506917	16.42	ppb #	90
5) bromomethane	2.60	94	163981	12.61	ppb	90
6) chloroethane	2.74	64	261964	15.48	ppb	91
7) trichlorofluoromethane	3.08	101	550301	14.88	ppb	96
8) acrolein	3.68	56	235285	438.90	ppb #	62
9) 1,1-dichloroethene	3.81	96	343252	11.06	ppb	89
10) acetone	3.91	43	249691	76.42	ppb	99
11) methylene chloride	4.57	84	406134	17.24	ppb	89
12) trans-1,2-dichloroethene	5.02	96	431019	14.44	ppb	95
13) acrylonitrile	4.99	53	1434257	684.61	ppb	91
14) 1,1-dichloroethane	5.70	63	812438	13.30	ppb	94
15) 2,2-dichloropropane	6.62	77	608931	10.72	ppb	95
16) cis-1,2-dichloroethene	6.64	96	428511	16.24	ppb	94
17) 2-butanone	6.69	43	470266	71.45	ppb #	100
18) bromochloromethane	7.02	128	156171	24.84	ppb	87
19) chloroform	7.18	83	690744	16.31	ppb	88
20) 1,1,1-trichloroethane	7.43	97	630364	14.35	ppb #	81
21) carbon tetrachloride	7.70	117	550764	10.84	ppb	96
22) 1,1-dichloropropene	7.71	75	615591	10.97	ppb #	92
24) benzene	8.03	78	1814246	16.07	ppb	100
25) 1,2-dichloroethane	8.07	62	511396	26.10	ppb	99
26) trichloroethene	9.09	95	448234	14.40	ppb #	85
27) 1,2-dichloropropane	9.44	63	448049	18.69	ppb #	100
28) dibromomethane	9.64	93	197951	30.23	ppb #	94
29) bromodichloromethane	9.92	83	473806	20.59	ppb #	82
31) cis-1,3-dichloropropene	10.66	75	586823	21.68	ppb	94
32) 4-methyl-2-pentanone	10.93	43	1175745	72.46	ppb #	98
34) toluene	11.20	92	1088554	12.80	ppb	98
35) Iodomethane	4.03	142	319359	14.09	ppb	90
36) trans-1,3-dichloropropene	11.59	75	502823	27.44	ppb	99
37) Vinyl acetate	5.82	86	118338	33.77	ppb #	1
38) Carbon disulfide	4.13	76	1262446	11.09	ppb #	96
40) 1,1,2-trichloroethane	11.89	83	255723	23.33	ppb #	80
41) tetrachloroethene	12.12	166	385435	8.44	ppb	88
42) 1,3-dichloropropane	12.16	76	564088	21.71	ppb #	79
43) 2-hexanone	12.34	43	826331	63.71	ppb #	98
44) dibromochloromethane	12.55	129	283761	20.20	ppb	92
45) 1,2-dibromoethane	12.73	107	311039	26.88	ppb #	88
46) chlorobenzene	13.58	112	1113459	11.29	ppb	99
47) 1,1,1,2-tetrachloroethane	13.73	131	310446	13.85	ppb	95
48) bromoform	15.02	173	183827	30.35	ppb #	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3070605\0706305.D Vial: 5
Acq On : 6 Jul 2005 11:25 am Operator: RNP
Sample : VSTD020 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 11:51 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 01 16:00:38 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
50)	bromobenzene	15.86	156	367576	14.03 ppb		96
51)	1,1,2,2-tetrachloroethane	15.90	83	400922	34.53 ppb	#	64
52)	1,2,3-trichloropropane	16.00	75	931766	594.25 ppb	#	7
54)	ethylbenzene	13.79	91	2059399	10.96 ppb		98
55)	m/p-xylene	14.00	106	1533381	28.73 ppb		93
56)	styrene	14.72	104	1061317	17.08 ppb		100
57)	o-xylene	14.69	106	694819	14.98 ppb		97
58)	isopropylbenzene	15.35	105	1934860	14.34 ppb		99
59)	n-propyl benzene	16.09	91	2482210	14.75 ppb		96
60)	2-chlorotoluene	16.23	126	392224	13.28 ppb		92
61)	4-chlorotoluene	16.42	126	394089	15.92 ppb		92
62)	1,3,5-trimethylbenzene	16.41	105	1595989	15.64 ppb		97
63)	tert-butylbenzene	16.99	119	1314679	11.16 ppb		96
64)	1,2,4-trimethylbenzene	17.08	105	1572217	16.26 ppb		94
65)	sec-butylbenzene	17.39	105	2190054	15.19 ppb		100
66)	1,3-dichlorobenzene	17.57	146	728189	17.73 ppb		96
67)	4-isopropyltoluene	17.66	119	1695130	15.89 ppb		94
68)	1,4-dichlorobenzene	17.72	146	738546	16.07 ppb		96
69)	1,2-dichlorobenzene	18.39	146	658524	21.29 ppb		90
70)	n-butylbenzene	18.40	91	1757675	15.90 ppb		98
71)	1,2-dibromo-3-chloropropan	19.81	75	431377	61.95 ppb	#	52
72)	1,2,4-trichlorobenzene	21.33	180	416099	22.88 ppb		88
73)	hexachlorobutadiene	21.68	225	177739	16.12 ppb		98
74)	naphthalene	21.77	128	1067390	62.18 ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	332609	53.37 ppb	#	67
76)	1,2,3-trichlorobenzene	22.22	180	380652	27.62 ppb		97
77)	MTBE	5.05	73	1079086	26.88 ppb		97
78)	DIPE	5.86	45	1879620	15.83 ppb		96

(#) = qualifier out of range (m) = manual integration
0706305.D 8260SSC.M Tue Sep 06 15:32:44 2005

Quantitation Report

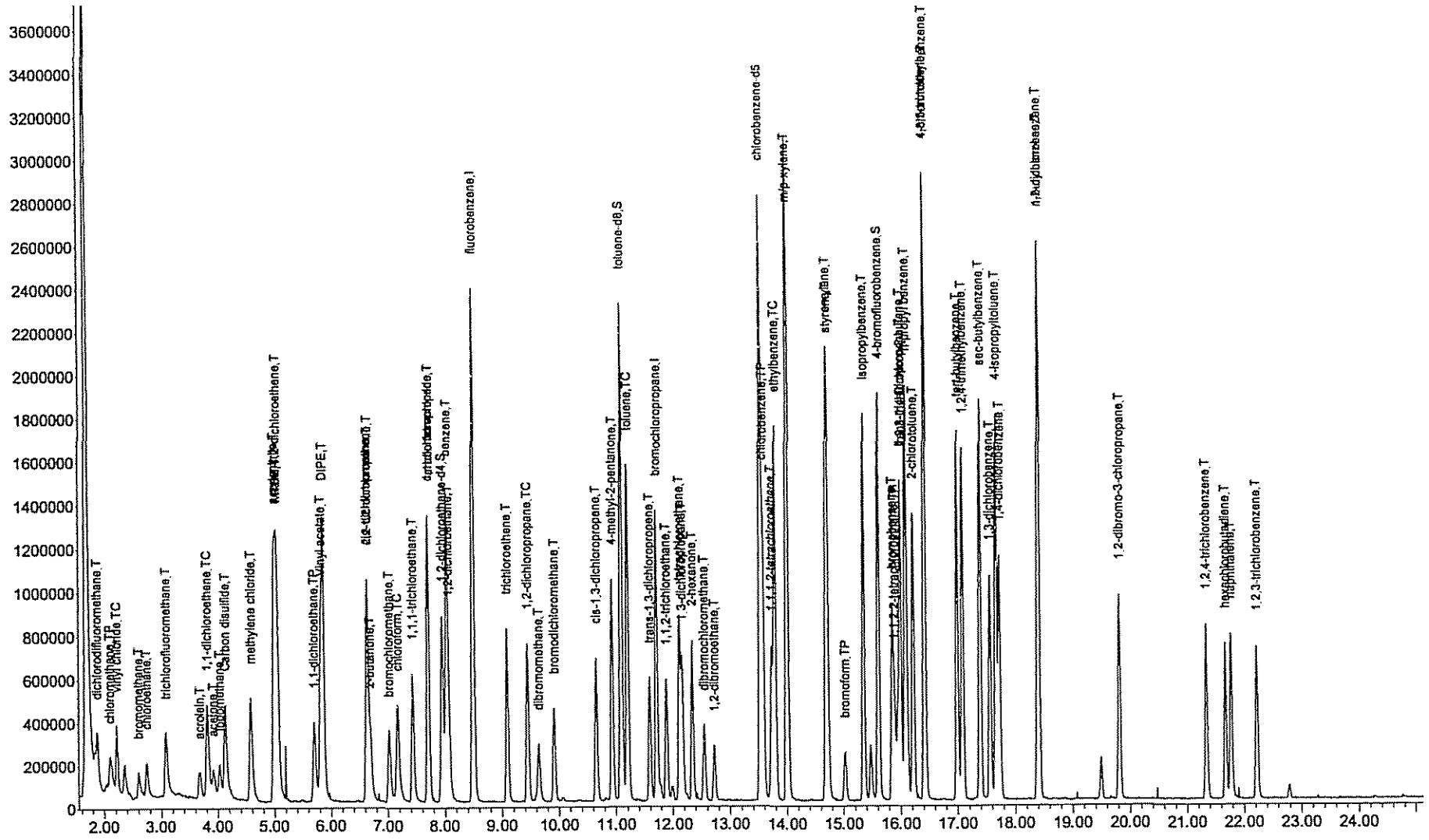
Data File : C:\HPCHEM\1\DATA\3070605\0706305.D
Acq On : 6 Jul 2005 11:25 am
Sample : VSTD020
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 11:51 2005

Vial: 5
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3070605\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration

TIC: 0706305.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3070605\0706306.D Vial: 6
Acq On : 6 Jul 2005 11:56 am Operator: RNP
Sample : VSTD050 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 15:12 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 01 16:00:38 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	3348302	50.00	ppb	-0.02
39) bromochloropropane	11.72	79	427635	50.00	ppb	-0.02
53) chlorobenzene-d5	13.53	117	2483426	50.00	ppb	-0.02
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.95	65	1033453	80.27	ppb	0.00
Spiked Amount 50.000			Recovery	=	160.54%	
33) toluene-d8	11.09	98	2418112	49.77	ppb	-0.02
Spiked Amount 50.000			Recovery	=	99.54%	
49) 4-bromofluorobenzene	15.61	95	1273131	49.21	ppb	0.00
Spiked Amount 50.000			Recovery	=	98.42%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.87	85	890370	31.60	ppb	#	79
3) chloromethane	2.10	50	1225601	36.61	ppb	#	87
4) vinyl chloride	2.22	62	1321020	33.08	ppb		91
5) bromomethane	2.59	94	274087	18.45	ppb		100
6) chloroethane	2.72	64	625946m	30.46	ppb		
7) trichlorofluoromethane	3.07	101	1428270	30.41	ppb		92
8) acrolein	3.67	56	589907	1191.03	ppb	#	57
9) 1,1-dichloroethene	3.80	96	925882	29.90	ppb		85
10) acetone	3.92	43	479176	159.11	ppb		98
11) methylene chloride	4.57	84	1021127	43.43	ppb		91
12) trans-1,2-dichloroethene	5.02	96	1176979	33.44	ppb		96
13) acrylonitrile	4.99	53	3283838	1530.01	ppb		91
14) 1,1-dichloroethane	5.70	63	2122980	34.82	ppb	#	93
15) 2,2-dichloropropane	6.62	77	1633907	28.82	ppb		92
16) cis-1,2-dichloroethene	6.64	96	1121978	38.23	ppb		91
17) 2-butanone	6.69	43	1050584	159.91	ppb	#	100
18) bromochloromethane	7.02	128	381328	55.94	ppb	#	83
19) chloroform	7.17	83	1839785	38.25	ppb		93
20) 1,1,1-trichloroethane	7.43	97	1710926	31.65	ppb		88
21) carbon tetrachloride	7.70	117	1501946	29.61	ppb		99
22) 1,1-dichloropropene	7.71	75	1685892	30.11	ppb		96
24) benzene	8.03	78	4753459	36.25	ppb		99
25) 1,2-dichloroethane	8.07	62	1242313	59.84	ppb		100
26) trichloroethene	9.09	95	1201668	33.64	ppb		87
27) 1,2-dichloropropane	9.44	63	1174406	44.28	ppb	#	100
28) dibromomethane	9.64	93	468629	71.70	ppb	#	92
29) bromodichloromethane	9.92	83	1221073	48.31	ppb	#	83
31) cis-1,3-dichloropropene	10.66	75	1481994	50.93	ppb		98
32) 4-methyl-2-pentanone	10.93	43	2558364	156.06	ppb	#	97
34) toluene	11.20	92	2906037	34.24	ppb		99
35) Iodomethane	4.02	142	840364	28.49	ppb	#	85
36) trans-1,3-dichloropropene	11.59	75	1211212	63.00	ppb		100
37) Vinyl acetate	5.82	86	294948	83.40	ppb	#	1
38) Carbon disulfide	4.12	76	3516513	30.94	ppb	#	95
40) 1,1,2-trichloroethane	11.89	83	617232	54.55	ppb	#	80
41) tetrachloroethene	12.12	166	1059654	23.56	ppb		89
42) 1,3-dichloropropane	12.16	76	1343298	52.03	ppb	#	81
43) 2-hexanone	12.34	43	1784632	138.55	ppb	#	95
44) dibromochloromethane	12.55	129	714318	50.84	ppb		92
45) 1,2-dibromoethane	12.73	107	711079	61.05	ppb	#	76
46) chlorobenzene	13.58	112	2884394	29.69	ppb		98
47) 1,1,1,2-tetrachloroethane	13.74	131	790762	34.45	ppb		94
48) bromoform	15.02	173	443203	71.13	ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3070605\0706306.D Vial: 6
Acq On : 6 Jul 2005 11:56 am Operator: RNP
Sample : VSTD050 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 15:12 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 01 16:00:38 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
50)	bromobenzene	15.86	156	951690	36.87 ppb		91
51)	1,1,2,2-tetrachloroethane	15.90	83	911696	78.07 ppb	#	60
52)	1,2,3-trichloropropane	16.00	75	2102159	1363.52 ppb	#	6
54)	ethylbenzene	13.79	91	5572843	30.07 ppb		98
55)	m/p-xylene	14.01	106	4120535	66.05 ppb		94
56)	styrene	14.72	104	2777850	40.19 ppb		100
57)	o-xylene	14.69	106	1892108	35.43 ppb		98
58)	isopropylbenzene	15.35	105	5393051	32.13 ppb		99
59)	n-propyl benzene	16.09	91	6830275	32.77 ppb		96
60)	2-chlorotoluene	16.23	126	1020751	35.02 ppb		95
61)	4-chlorotoluene	16.42	126	1038597	37.72 ppb		94
62)	1,3,5-trimethylbenzene	16.41	105	4323802	34.97 ppb		96
63)	tert-butylbenzene	16.99	119	3587735	30.88 ppb		96
64)	1,2,4-trimethylbenzene	17.08	105	4232108	36.43 ppb		96
65)	sec-butylbenzene	17.39	105	6160301	32.95 ppb		99
66)	1,3-dichlorobenzene	17.57	146	1884762	41.35 ppb		96
67)	4-isopropyltoluene	17.66	119	4768257	34.73 ppb		93
68)	1,4-dichlorobenzene	17.72	146	1899819	41.89 ppb		95
69)	1,2-dichlorobenzene	18.39	146	1628208	49.12 ppb		93
70)	n-butylbenzene	18.41	91	4942122	34.85 ppb		97
71)	1,2-dibromo-3-chloropropan	19.81	75	957937	136.11 ppb	#	52
72)	1,2,4-trichlorobenzene	21.34	180	1080921	53.90 ppb		85
73)	hexachlorobutadiene	21.68	225	511257	35.65 ppb		97
74)	naphthalene	21.78	128	2449672	135.11 ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	759354	118.06 ppb	#	65
76)	1,2,3-trichlorobenzene	22.22	180	939957	63.51 ppb		95
77)	MTBE	5.05	73	2600619	64.16 ppb		98
78)	DIPE	5.86	45	4791319	40.90 ppb		98

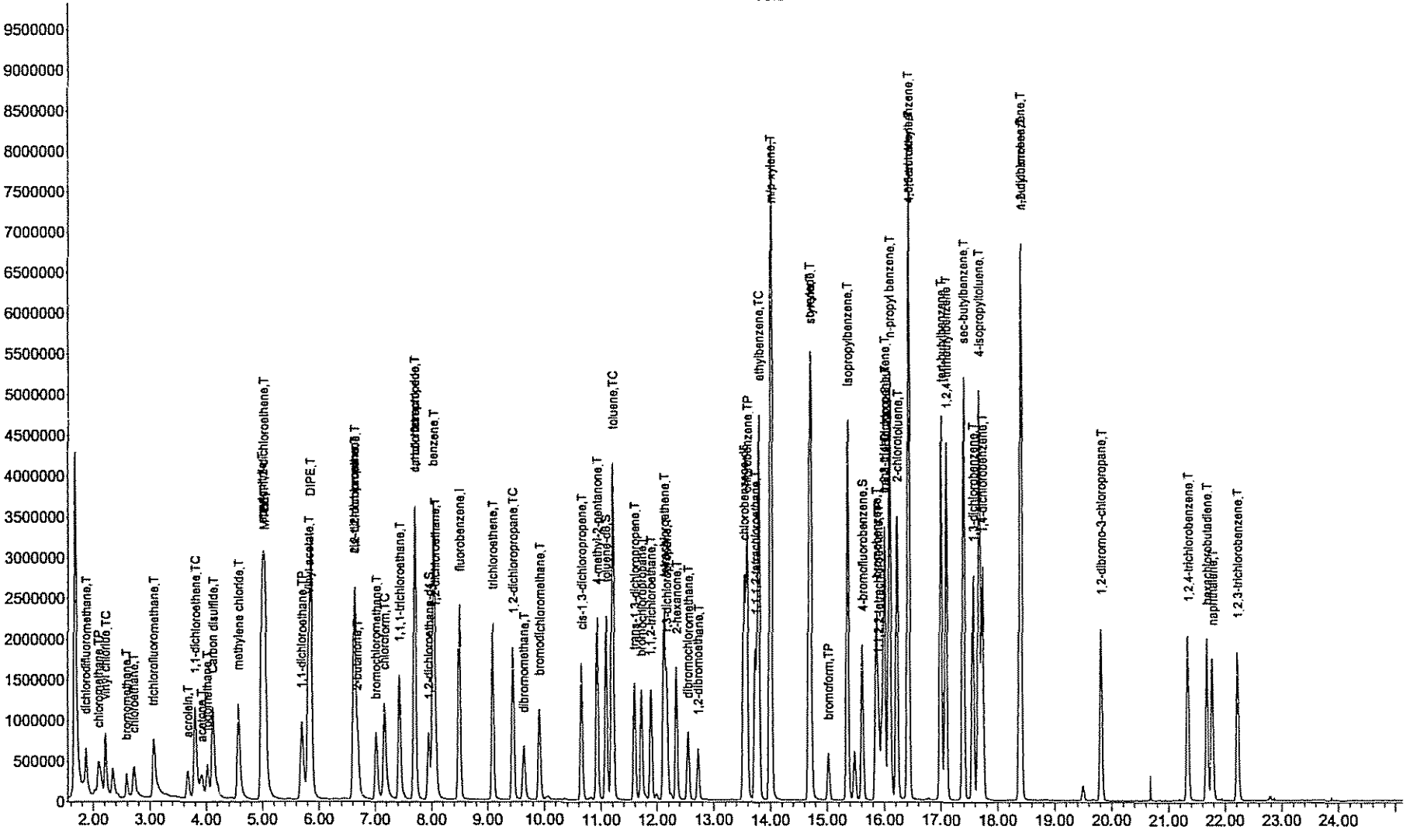
(#) = qualifier out of range (m) = manual integration
0706306.D 8260SSC.M Tue Sep 06 15:32:53 2005

Quantitation Report

Data File : C:\HPCHEM\1\DATA\3070605\0706306.D Vial: 6
Acq On : 6 Jul 2005 11:56 am Operator: RNP
Sample : VSTD050 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 15:12 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3070605\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration

TIC: 0706306.D



N.C. CERTIFICATION #481
PARADIGM ANALYTICAL LABORATORIES, INC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3070605\0706307.D Vial: 7
Acq On : 6 Jul 2005 12:28 pm Operator: RNP
Sample : VSTD100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 13:34 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 01 16:00:38 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.49	96	3260631	50.00	ppb	-0.02
39) bromochloropropane	11.72	79	419046	50.00	ppb	-0.01
53) chlorobenzene-d5	13.54	117	2504458	50.00	ppb	-0.01
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.95	65	1019620	81.32	ppb	-0.01
Spiked Amount 50.000			Recovery	=	162.64%	
33) toluene-d8	11.09	98	2383282	50.38	ppb	-0.01
Spiked Amount 50.000			Recovery	=	100.76%	
49) 4-bromofluorobenzene	15.61	95	1304252	51.44	ppb	-0.01
Spiked Amount 50.000			Recovery	=	102.88%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.87	85	1768689	58.57	ppb	#	84
3) chloromethane	2.10	50	2577823	72.80	ppb	#	85
4) vinyl chloride	2.22	62	2657208	61.85	ppb	#	88
5) bromomethane	2.58	94	627914	38.07	ppb		96
6) chloroethane	2.69	64	604631m	30.25	ppb		
7) trichlorofluoromethane	3.04	101	2358708	47.97	ppb		98
8) acrolein	3.67	56	683178	1427.52	ppb	#	60
9) 1,1-dichloroethene	3.79	96	1751543	58.09	ppb		85
10) acetone	3.93	43	852031	301.42	ppb		97
11) methylene chloride	4.57	84	1951751	85.24	ppb		88
12) trans-1,2-dichloroethene	5.01	96	2168941	60.17	ppb		95
13) acrylonitrile	4.99	53	6429911	3044.83	ppb		92
14) 1,1-dichloroethane	5.69	63	4023865	67.78	ppb		94
15) 2,2-dichloropropane	6.63	77	2981821	54.01	ppb		95
16) cis-1,2-dichloroethene	6.64	96	2118429	71.59	ppb		91
17) 2-butanone	6.70	43	2046879	319.94	ppb	#	100
18) bromochloromethane	7.02	128	741558	108.39	ppb		81
19) chloroform	7.17	83	3491247	71.54	ppb		89
20) 1,1,1-trichloroethane	7.43	97	3184193	56.57	ppb		89
21) carbon tetrachloride	7.70	117	2772439	56.13	ppb		100
22) 1,1-dichloropropene	7.70	75	3154164	57.85	ppb	#	93
24) benzene	8.04	78	8910448	66.39	ppb		98
25) 1,2-dichloroethane	8.08	62	2404485	116.40	ppb		97
26) trichloroethene	9.09	95	2235131	61.53	ppb		88
27) 1,2-dichloropropane	9.45	63	2205667	82.66	ppb	#	100
28) dibromomethane	9.63	93	892236	140.17	ppb	#	99
29) bromodichloromethane	9.92	83	2300386	90.59	ppb	#	83
31) cis-1,3-dichloropropene	10.66	75	2864241	98.56	ppb		97
32) 4-methyl-2-pentanone	10.93	43	5080750	316.57	ppb	#	96
34) toluene	11.20	92	5501061	66.55	ppb		97
35) Iodomethane	4.01	142	1609402	50.91	ppb		91
36) trans-1,3-dichloropropene	11.59	75	2375435	124.56	ppb		99
37) Vinyl acetate	5.81	86	444706	128.79	ppb	#	1
38) Carbon disulfide	4.11	76	6536567	59.05	ppb	#	95
40) 1,1,2-trichloroethane	11.89	83	1211152	107.43	ppb	#	83
41) tetrachloroethene	12.13	166	2006983	45.53	ppb		91
42) 1,3-dichloropropane	12.17	76	2625534	103.45	ppb	#	84
43) 2-hexanone	12.34	43	3658014	288.78	ppb	#	97
44) dibromochloromethane	12.55	129	1398226	101.04	ppb		87
45) 1,2-dibromoethane	12.73	107	1432792	124.46	ppb	#	76
46) chlorobenzene	13.59	112	5610063	58.94	ppb		99
47) 1,1,1,2-tetrachloroethane	13.73	131	1470977	64.63	ppb		95
48) bromoform	15.03	173	906974	146.17	ppb	#	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3070605\0706307.D Vial: 7
Acq On : 6 Jul 2005 12:28 pm Operator: RNP
Sample : VSTD100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 13:34 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 01 16:00:38 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	bromobenzene	15.86	156	1860381	73.56	ppb		93
51)	1,1,2,2-tetrachloroethane	15.90	83	1900299	164.64	ppb	#	59
52)	1,2,3-trichloropropane	16.00	75	4349267	2880.96	ppb	#	7
54)	ethylbenzene	13.79	91	10865569	58.13	ppb		100
55)	m/p-xylene	14.01	106	7857013	118.57	ppb		97
56)	styrene	14.72	104	5414447	74.78	ppb		100
57)	o-xylene	14.69	106	3626248	64.32	ppb		97
58)	isopropylbenzene	15.35	105	10330862	56.90	ppb		99
59)	n-propyl benzene	16.09	91	13342632	59.09	ppb		94
60)	2-chlorotoluene	16.23	126	2000474	68.06	ppb		98
61)	4-chlorotoluene	16.42	126	2034934	70.56	ppb		94
62)	1,3,5-trimethylbenzene	16.42	105	8389400	63.07	ppb		95
63)	tert-butylbenzene	17.00	119	6985457	59.61	ppb		96
64)	1,2,4-trimethylbenzene	17.09	105	8368018	67.01	ppb		94
65)	sec-butylbenzene	17.39	105	11909884	58.04	ppb		98
66)	1,3-dichlorobenzene	17.57	146	3706614	77.62	ppb		96
67)	4-isopropyltoluene	17.67	119	9163564	61.02	ppb		93
68)	1,4-dichlorobenzene	17.73	146	3729119	81.54	ppb		95
69)	1,2-dichlorobenzene	18.40	146	3229653	93.90	ppb		94
70)	n-butylbenzene	18.41	91	9549856	61.60	ppb		99
71)	1,2-dibromo-3-chloropropan	19.82	75	1997107	278.54	ppb	#	44
72)	1,2,4-trichlorobenzene	21.33	180	2175914	103.71	ppb	#	82
73)	hexachlorobutadiene	21.68	225	979795	62.40	ppb		96
74)	naphthalene	21.77	128	5194272	276.16	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	1596378	241.61	ppb	#	73
76)	1,2,3-trichlorobenzene	22.22	180	1916032	124.55	ppb		92
77)	MTBE	5.05	73	5145180	124.87	ppb		98
78)	DIPE	5.86	45	9052109	76.62	ppb		93

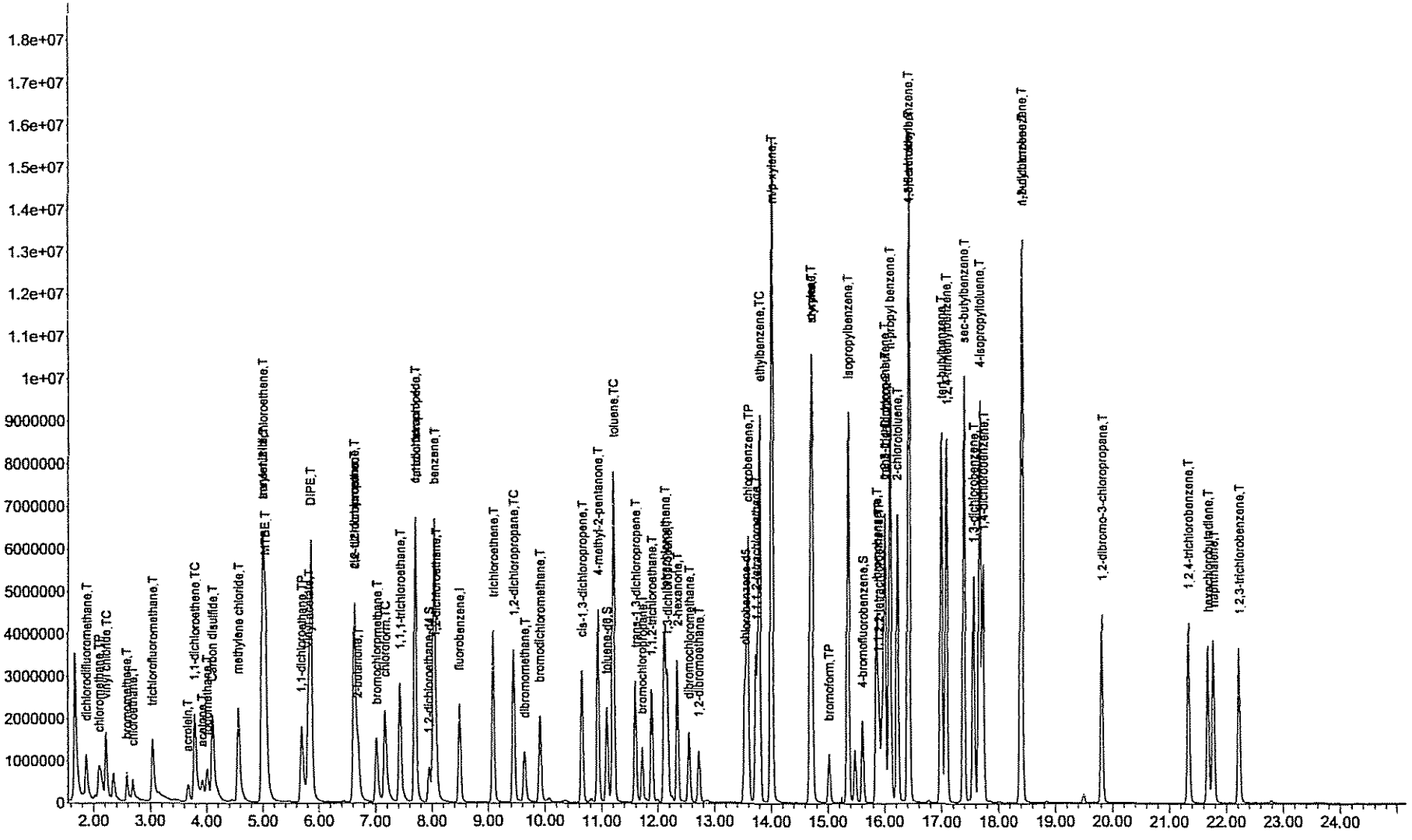
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\3070605\0706307.D Vial: 7
Acq On : 6 Jul 2005 12:28 pm Operator: RNP
Sample : VSTD100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 13:34 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3070605\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration

TIC: 0706307.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3070605\0706308.D Vial: 8
Acq On : 6 Jul 2005 12:59 pm Operator: RNP
Sample : VSTD200 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 13:33 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 01 16:00:38 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.49	96	3493691	50.00	ppb	-0.03
39) bromochloropropane	11.72	79	436316	50.00	ppb	-0.02
53) chlorobenzene-d5	13.53	117	2590985	50.00	ppb	-0.02
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.94	65	982710	73.15	ppb	-0.02
Spiked Amount 50.000			Recovery	=	146.30%	
33) toluene-d8	11.09	98	2522054	49.75	ppb	-0.02
Spiked Amount 50.000			Recovery	=	99.50%	
49) 4-bromofluorobenzene	15.60	95	1343412	50.89	ppb	-0.02
Spiked Amount 50.000			Recovery	=	101.78%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.87	85	3519085	103.91	ppb	#	87
3) chloromethane	2.11	50	5068714	129.08	ppb	#	83
4) vinyl chloride	2.22	62	5577454	115.34	ppb	#	89
5) bromomethane	2.58	94	1274750	68.60	ppb		96
6) chloroethane	2.69	64	956573m	42.41	ppb		
7) trichlorofluoromethane	3.00	101	5344611m	95.68	ppb		
8) acrolein	3.68	56	984469	1940.05	ppb	#	58
9) 1,1-dichloroethene	3.76	96	3586604	111.01	ppb		89
10) acetone	3.94	43	1738954	586.08	ppb		96
11) methylene chloride	4.56	84	4017675	163.75	ppb		91
12) trans-1,2-dichloroethene	5.01	96	4538892	114.20	ppb		96
13) acrylonitrile	5.00	53	12604355	5544.64	ppb		92
14) 1,1-dichloroethane	5.69	63	8497339	133.58	ppb		94
15) 2,2-dichloropropane	6.61	77	6085379	102.87	ppb		92
16) cis-1,2-dichloroethene	6.63	96	4470727	138.38	ppb		89
17) 2-butanone	6.70	43	4145801	604.78	ppb	#	100
18) bromochloromethane	7.02	128	1549395	208.19	ppb		83
19) chloroform	7.17	83	7311400	136.80	ppb		93
20) 1,1,1-trichloroethane	7.43	97	6675083	106.56	ppb		91
21) carbon tetrachloride	7.70	117	5760372	108.84	ppb		99
22) 1,1-dichloropropene	7.70	75	6611998	113.18	ppb	#	93
24) benzene	8.02	78	19011034	128.56	ppb		98
25) 1,2-dichloroethane	8.07	62	4879422	218.15	ppb		98
26) trichloroethene	9.09	95	4750649	119.10	ppb		87
27) 1,2-dichloropropane	9.44	63	4640381	159.45	ppb	#	100
28) dibromomethane	9.63	93	1818065	266.57	ppb	#	98
29) bromodichloromethane	9.92	83	4849559	175.28	ppb	#	81
31) cis-1,3-dichloropropene	10.66	75	6024092	191.00	ppb		96
32) 4-methyl-2-pentanone	10.94	43	10356038	600.75	ppb	#	97
34) toluene	11.20	92	11716086	132.28	ppb		89
35) Iodomethane	3.99	142	3283301	92.16	ppb		90
36) trans-1,3-dichloropropene	11.59	75	5070518	245.88	ppb		99
37) Vinyl acetate	5.82	86	743754	200.68	ppb	#	1
38) Carbon disulfide	4.09	76	13730072	115.76	ppb	#	95
40) 1,1,2-trichloroethane	11.89	83	2520700	212.93	ppb	#	79
41) tetrachloroethene	12.12	166	4210520	91.74	ppb		91
42) 1,3-dichloropropane	12.16	76	5557888	209.97	ppb	#	84
43) 2-hexanone	12.35	43	7375301	558.31	ppb	#	96
44) dibromochloromethane	12.55	129	2893675	200.33	ppb		92
45) 1,2-dibromoethane	12.73	107	2977584	247.41	ppb	#	78
46) chlorobenzene	13.58	112	11808543	119.14	ppb		99
47) 1,1,1,2-tetrachloroethane	13.74	131	3082843	129.23	ppb		96
48) bromoform	15.02	173	1883980	289.43	ppb	#	100

(#) = qualifier out of range (m) = manual integration
0706308.D 8260SSC.M Tue Sep 06 15:33:09 2005

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3070605\0706308.D Vial: 8
Acq On : 6 Jul 2005 12:59 pm Operator: RNP
Sample : VSTD200 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 13:33 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 01 16:00:38 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	bromobenzene	15.86	156	3857232	146.48	ppb		94
51)	1,1,2,2-tetrachloroethane	15.90	83	3865784	320.47	ppb	#	64
52)	1,2,3-trichloropropane	16.01	75	8954770	5698.72	ppb	#	8
54)	ethylbenzene	13.79	91	20487483	105.94	ppb		94
55)	m/p-xylene	14.01	106	16519784	233.67	ppb	#	60
56)	styrene	14.72	104	11331457	148.09	ppb		100
57)	o-xylene	14.69	106	7524751	125.64	ppb		94
58)	isopropylbenzene	15.36	105	19924189	102.11	ppb		98
59)	n-propyl benzene	16.09	91	22066811	91.66	ppb		95
60)	2-chlorotoluene	16.22	126	3992623	131.31	ppb		94
61)	4-chlorotoluene	16.42	126	4041233	132.80	ppb		100
62)	1,3,5-trimethylbenzene	16.42	105	17163880	120.26	ppb		95
63)	tert-butylbenzene	16.99	119	14401993	118.80	ppb		96
64)	1,2,4-trimethylbenzene	17.08	105	17242598	128.92	ppb		91
65)	sec-butylbenzene	17.39	105	21044874	95.18	ppb	#	87
66)	1,3-dichlorobenzene	17.57	146	7688505	152.44	ppb		97
67)	4-isopropyltoluene	17.66	119	18053185	111.04	ppb		100
68)	1,4-dichlorobenzene	17.73	146	7653765	161.77	ppb		92
69)	1,2-dichlorobenzene	18.39	146	6573288	182.02	ppb		94
70)	n-butylbenzene	18.41	91	18690008	111.49	ppb	#	90
71)	1,2-dibromo-3-chloropropan	19.81	75	4088062	548.52	ppb	#	49
72)	1,2,4-trichlorobenzene	21.34	180	4551065	205.70	ppb	#	81
73)	hexachlorobutadiene	21.68	225	2093202	122.54	ppb		95
74)	naphthalene	21.77	128	10674151	541.47	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.01	89	3220913	467.27	ppb	#	75
76)	1,2,3-trichlorobenzene	22.22	180	3994647	247.19	ppb		95
77)	MTBE	5.06	73	10747834	251.06	ppb		97
78)	DIPE	5.86	45	19118072	156.41	ppb		90

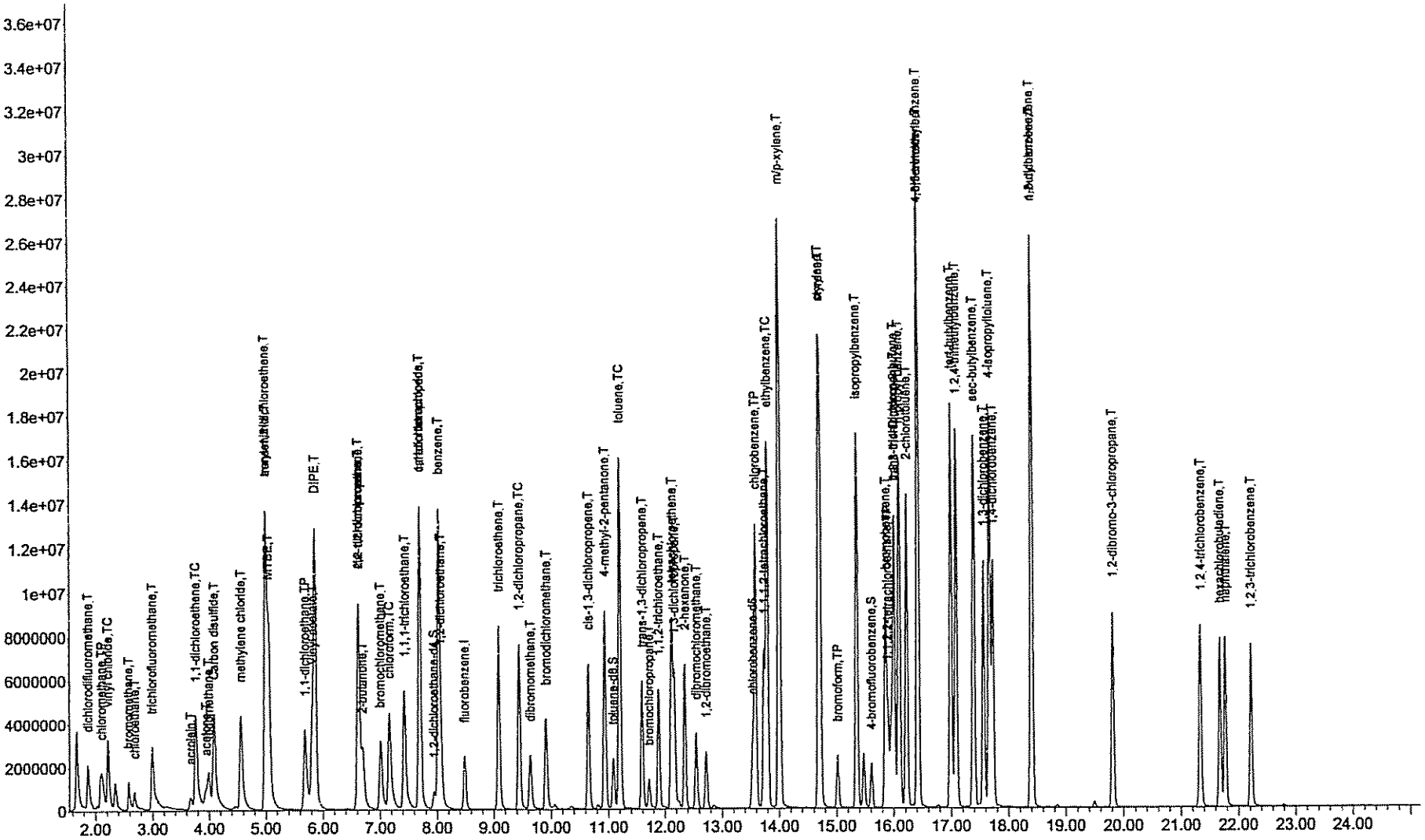
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\3070605\0706308.D Vial: 8
Acq On : 6 Jul 2005 12:59 pm Operator: RNP
Sample : VSTD200 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 13:33 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3070605\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration

TIC: 0706308.D



0706308.D 8260SSC.M Tue Sep 06 15:33:12 2005

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N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

5035 CVS Raw Data

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\3070805\0708303.D Vial: 3
Acq On : 8 Jul 2005 8:49 am Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\DATA\3070805\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	fluorobenzene	1.000	1.000	0.0	77	-0.01
2	T	dichlorodifluoromethane	0.221	0.202	8.6	66	0.00
3	TP	chloromethane	0.323	0.293	9.3	65	0.00
4	TC	vinyl chloride	0.333	0.328	1.5	70	0.00
5	T	bromomethane	0.090	0.077	14.4	68	-0.03
6	T	chloroethane	0.162	0.000	100.0#	0#	-0.07
7	T	trichlorofluoromethane	0.347	0.285	17.9	59	-0.07
8	T	acrolein	0.305	0.327	-7.2	191#	0.00
9	TC	1,1-dichloroethene	0.241	0.238	1.2	75	-0.04
10	T	acetone	0.230	0.181	21.3	89	0.02
11	T	methylene chloride	0.297	0.289	2.7	77	-0.01
12	T	trans-1,2-dichloroethene	0.314	0.313	0.3	75	-0.02
13	T	acrylonitrile	1.218	1.237	-1.6	88	0.00
14	TP	1,1-dichloroethane	0.568	0.557	1.9	74	-0.02
15	T	2,2-dichloropropane	0.453	0.418	7.7	70	-0.02
16	T	cis-1,2-dichloroethene	0.316	0.315	0.3	76	0.00
17	T	2-butanone	0.424	0.439	-3.5	89	0.00
18	T	bromochloromethane	0.114	0.115	-0.9	78	-0.02
19	TC	chloroform	0.497	0.497	0.0	76	0.00
20	T	1,1,1-trichloroethane	0.445	0.423	4.9	70	-0.02
21	T	carbon tetrachloride	0.389	0.373	4.1	71	-0.02
22	T	1,1-dichloropropene	0.443	0.430	2.9	73	-0.01
23	S	1,2-dichloroethane-d4	0.313	0.297	5.1	72	0.00
24	T	benzene	1.319	1.289	2.3	75	-0.02
25	T	1,2-dichloroethane	0.367	0.349	4.9	78	0.00
26	T	trichloroethene	0.324	0.314	3.1	74	-0.01
27	TC	1,2-dichloropropane	0.325	0.317	2.5	75	-0.01
28	T	dibromomethane	0.151	0.153	-1.3	83	-0.01
29	T	bromodichloromethane	0.343	0.338	1.5	76	0.00
30	T	2-chloroethyl vinyl ether	0.000	0.000	0.0	0#	-10.44#
31	T	cis-1,3-dichloropropene	0.429	0.433	-0.9	79	0.00
32	T	4-methyl-2-pentanone	0.968	0.970	-0.2	85	0.00
33	S	toluene-d8	0.721	0.747	-3.6	79	-0.01
34	TC	toluene	0.796	0.800	-0.5	76	-0.01
35	T	Iodomethane	0.209	0.238	-13.9	85	-0.03
36	T	trans-1,3-dichloropropene	0.368	0.375	-1.9	80	0.00
37	T	Vinyl acetate	0.131	0.140	-6.9	127	0.00
38	T	Carbon disulfide	0.897	0.879	2.0	73	-0.04
39	I	bromochloropropane	1.000	1.000	0.0	78	-0.01
40	T	1,1,2-trichloroethane	1.557	1.522	2.2	82	0.00
41	T	tetrachloroethene	2.260	2.194	2.9	76	-0.01
42	T	1,3-dichloropropane	3.331	3.276	1.7	82	0.00
43	T	2-hexanone	5.530	5.519	0.2	86	0.00
44	T	dibromochloromethane	1.720	1.652	4.0	79	0.00
45	T	1,2-dibromoethane	1.865	1.830	1.9	83	0.00
46	TP	chlorobenzene	6.542	6.256	4.4	76	0.00
47	T	1,1,1,2-tetrachloroethane	1.724	1.638	5.0	76	0.00
48	TP	bromoform	1.146	1.179	-2.9	82	-0.02
49	S	4-bromofluorobenzene	2.946	2.984	-1.3	76	-0.01
50	T	bromobenzene	2.171	2.091	3.7	77	-0.01
51	TP	1,1,2,2-tetrachloroethane	2.519	2.642	-4.9	87	-0.01
52	T	1,2,3-trichloropropane	5.319	6.254	-17.6	85	-0.09
53		chlorobenzene-d5	1.000	1.000	0.0	77	-0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\3070805\0708303.D Vial: 3
Acq On : 8 Jul 2005 8:49 am Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\DATA\3070805\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	TC	ethylbenzene	2.007	1.990	0.8	75	-0.01
55	T	m/p-xylene	0.740	0.722	2.4	75	0.00
56	T	styrene	1.035	1.013	2.1	76	0.00
57	T	o-xylene	0.683	0.656	4.0	74	0.00
58	T	isopropylbenzene	1.886	1.832	2.9	73	0.00
59	T	n-propyl benzene	2.355	2.370	-0.6	73	0.00
60	T	2-chlorotoluene	0.373	0.362	2.9	75	-0.01
61	T	4-chlorotoluene	0.387	0.375	3.1	77	0.00
62	T	1,3,5-trimethylbenzene	1.527	1.505	1.4	75	0.00
63	T	tert-butylbenzene	1.266	1.250	1.3	75	-0.01
64	T	1,2,4-trimethylbenzene	1.515	1.498	1.1	75	0.00
65	T	sec-butylbenzene	2.110	2.086	1.1	74	0.00
66	T	1,3-dichlorobenzene	0.710	0.685	3.5	76	-0.01
67	T	4-isopropyltoluene	1.646	1.632	0.9	75	0.00
68	T	1,4-dichlorobenzene	0.718	0.697	2.9	77	-0.01
69	T	1,2-dichlorobenzene	0.631	0.615	2.5	78	-0.02
70	T	n-butylbenzene	1.725	1.710	0.9	75	0.00
71	T	1,2-dibromo-3-chloropropane	0.487	0.499	-2.5	87	0.00
72	T	1,2,4-trichlorobenzene	0.446	0.439	1.6	80	0.00
73	T	hexachlorobutadiene	0.185	0.185	0.0	79	0.00
74	T	naphthalene	1.218	1.156	5.1	80	-0.01
75	T	trans-1,4-Dichloro-2-butene	0.373	0.388	-4.0	87	0.00
76	T	1,2,3-trichlorobenzene	0.409	0.397	2.9	80	0.00
77	T	MTBE	1.065	1.043	2.1	80	0.00
78	T	DIPE	1.776	1.647	7.3	73	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
0708303.D 8260SSC.M Tue Sep 06 15:37:05 2005

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3070805\0708303.D Vial: 3
Acq On : 8 Jul 2005 8:49 am Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 9:14 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	8.50	96	2592770	50.00	ppb		-0.01
39) bromochloropropane	11.73	79	336989	50.00	ppb		-0.01
53) chlorobenzene-d5	13.54	117	1995860	50.00	ppb		-0.01
System Monitoring Compounds							
23) 1,2-dichloroethane-d4	7.96	65	770306	47.41	ppb		0.00
Spiked Amount 50.000			Recovery	=	94.82%		
33) toluene-d8	11.10	98	1936068	51.80	ppb		-0.01
Spiked Amount 50.000			Recovery	=	103.60%		
49) 4-bromofluorobenzene	15.61	95	1005569	50.64	ppb		-0.01
Spiked Amount 50.000			Recovery	=	101.28%		
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.90	85	1047852	91.45	ppb	#	85
3) chloromethane	2.11	50	1520055	90.63	ppb	#	86
4) vinyl chloride	2.24	62	1701223	98.40	ppb	#	88
5) bromomethane	2.61	94	398029	84.84	ppb		94
6) chloroethane	2.71	64	301892	35.06	ppb	#	82
7) trichlorofluoromethane	3.04	101	1478740	82.07	ppb		95
8) acrolein	3.69	56	1697191	223.43	ppb	#	59
9) 1,1-dichloroethene	3.80	96	1233009	98.55	ppb		95
10) acetone	3.96	43	938531	115.15	ppb		94
11) methylene chloride	4.59	84	1496893	97.11	ppb		97
12) trans-1,2-dichloroethene	5.02	96	1623730	99.87	ppb		97
13) acrylonitrile	5.01	53	6414226	101.56	ppb		92
14) 1,1-dichloroethane	5.70	63	2886648	97.97	ppb		95
15) 2,2-dichloropropane	6.63	77	2168677	92.27	ppb		98
16) cis-1,2-dichloroethene	6.65	96	1633052	99.61	ppb		85
17) 2-butanone	6.71	43	2274435	118.59	ppb	#	100
18) bromochloromethane	7.02	128	596086	101.28	ppb		84
19) chloroform	7.18	83	2576147	99.93	ppb		91
20) 1,1,1-trichloroethane	7.44	97	2192382	95.01	ppb		90
21) carbon tetrachloride	7.70	117	1932934	95.71	ppb		98
22) 1,1-dichloropropene	7.71	75	2230322	97.05	ppb	#	94
24) benzene	8.04	78	6682553	97.67	ppb		99
25) 1,2-dichloroethane	8.08	62	1810245	95.16	ppb		100
26) trichloroethene	9.09	95	1625860	96.86	ppb		88
27) 1,2-dichloropropane	9.45	63	1645598	97.78	ppb	#	100
28) dibromomethane	9.65	93	793591	101.57	ppb	#	95
29) bromodichloromethane	9.92	83	1754671	98.73	ppb	#	83
31) cis-1,3-dichloropropene	10.66	75	2245327	100.86	ppb		100
32) 4-methyl-2-pentanone	10.94	43	5032100	100.26	ppb	#	95
34) toluene	11.20	92	4148398	100.54	ppb		97
35) Iodomethane	4.03	142	1232705	113.88	ppb		91
36) trans-1,3-dichloropropene	11.60	75	1942080	101.77	ppb		100
37) Vinyl acetate	5.83	86	726850	160.31	ppb	#	1
38) Carbon disulfide	4.12	76	4560612	98.01	ppb	#	95
40) 1,1,2-trichloroethane	11.89	83	1025763	97.74	ppb	#	80
41) tetrachloroethene	12.12	166	1478584	97.08	ppb	#	90
42) 1,3-dichloropropane	12.17	76	2207764	98.33	ppb	#	84
43) 2-hexanone	12.35	43	3719545	99.79	ppb	#	94
44) dibromochloromethane	12.55	129	1113083	96.04	ppb		87
45) 1,2-dibromoethane	12.73	107	1233318	98.12	ppb	#	76
46) chlorobenzene	13.59	112	4216665	95.63	ppb		100
47) 1,1,1,2-tetrachloroethane	13.74	131	1104109	95.00	ppb		97
48) bromoform	15.02	173	794727	110.45	ppb	#	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3070805\0708303.D Vial: 3
Acq On : 8 Jul 2005 8:49 am Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 9:14 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	bromobenzene	15.86	156	1409265	96.33	ppb		96
51)	1,1,2,2-tetrachloroethane	15.90	83	1780542	104.89	ppb	#	66
52)	1,2,3-trichloropropane	16.00	75	4215108	113.63	ppb	#	10
54)	ethylbenzene	13.80	91	7944091	99.15	ppb		99
55)	m/p-xylene	14.00	106	5766584	195.32	ppb		95
56)	styrene	14.72	104	4045259	97.90	ppb		100
57)	o-xylene	14.69	106	2617836	96.06	ppb		95
58)	isopropylbenzene	15.35	105	7312227	97.15	ppb		99
59)	n-propyl benzene	16.09	91	9461608	100.63	ppb		96
60)	2-chlorotoluene	16.22	126	1444535	97.11	ppb		98
61)	4-chlorotoluene	16.42	126	1496909	97.02	ppb		91
62)	1,3,5-trimethylbenzene	16.42	105	6008102	98.58	ppb		97
63)	tert-butylbenzene	16.99	119	4989761	98.75	ppb		96
64)	1,2,4-trimethylbenzene	17.09	105	5979217	98.86	ppb		92
65)	sec-butylbenzene	17.39	105	8328081	98.88	ppb		98
66)	1,3-dichlorobenzene	17.56	146	2733688	96.43	ppb		95
67)	4-isopropyltoluene	17.67	119	6513953	99.12	ppb		92
68)	1,4-dichlorobenzene	17.73	146	2782802	97.06	ppb		94
69)	1,2-dichlorobenzene	18.39	146	2454228	97.49	ppb		93
70)	n-butylbenzene	18.41	91	6826042	99.11	ppb		98
71)	1,2-dibromo-3-chloropropan	19.82	75	1990745	102.32	ppb	#	36
72)	1,2,4-trichlorobenzene	21.34	180	1753913	98.45	ppb	#	81
73)	hexachlorobutadiene	21.68	225	738252	99.81	ppb		93
74)	naphthalene	21.77	128	4615772	106.07	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	1548307	104.08	ppb	#	75
76)	1,2,3-trichlorobenzene	22.22	180	1585156	97.17	ppb		96
77)	MTBE	5.07	73	4165209	98.01	ppb		98
78)	DIPE	5.87	45	6574036	92.75	ppb		97

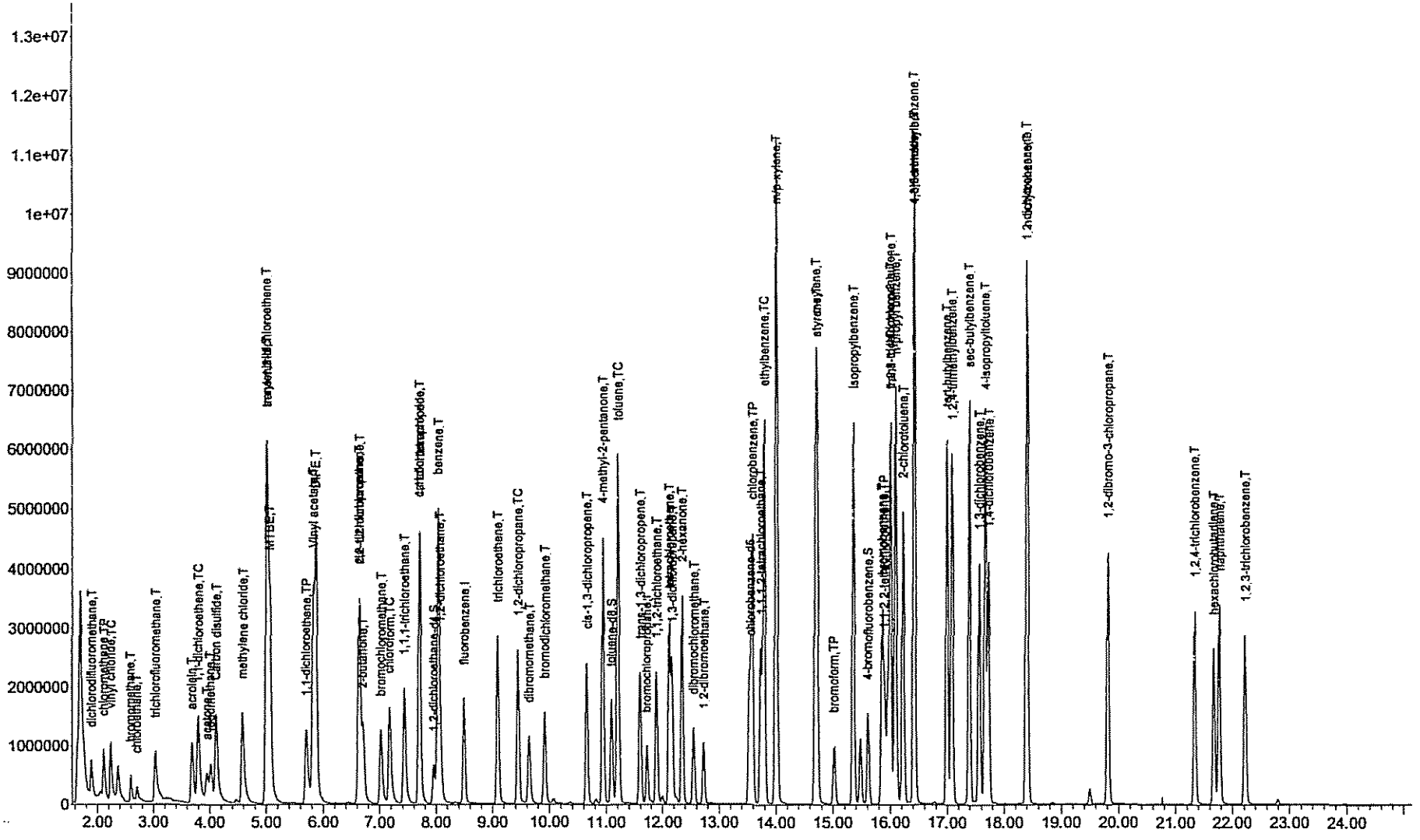
(#) = qualifier out of range (m) = manual integration
0708303.D 8260SSC.M Tue Sep 06 15:36:18 2005

Quantitation Report

Data File : C:\HPCHEM\1\DATA\3070805\0708303.D Vial: 3
Acq On : 8 Jul 2005 8:49 am Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 9:14 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3070605\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration

TIC: 0708303.D



N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

5035 QC, Blanks Raw Data

Results for Laboratory Control Spike (LCS)
by GC/MS 8260/5035

Lab Sample ID: LCS3070805a
Analyst: RNP
Batch ID: 3070805

Date Analyzed: 8 Jul 2005 9:20 am
Matrix: Soil

compound	Spiked (µg/Kg)	Amount recovered	LCS (%)	Limits Lower (%)	Limits Upper (%)
benzene	100	97.96	98.0	77.6	122
chlorobenzene	100	94.92	94.9	75.3	125
1,1-dichloroethene	100	101.49	101.5	78.5	121
toluene	100	101.79	101.8	75.7	124
trichloroethene	100	98.29	98.3	60.8	139

Comments: Concentration values are on column amount.

Flags: * = Out of limits.
NA = Not applicable
NS = Not spiked

Reviewed by: _____

VO39.072303.1

Results for LCS/LCSD
by GC/MS 8260/5035

Client Project ID: Batch QC
Lab Sample ID: LCS3070805b
Batch ID: 3070805

Date Analyzed: 8 Jul 2005 9:20 am
Matrix: Soil
Analyzed By: RNP

Compound	Spike conc. ug/L	Recovered LCS %	Recovered LCSD %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	100	98.0	102.2	77.6	122	4.3	30
chlorobenzene	100	94.9	99.1	75.3	125	4.3	30
1,1-dichloroethene	100	101.5	106.0	78.5	121	4.4	30
toluene	100	101.8	105.8	75.7	124	3.9	30
trichloroethene	100	98.3	101.7	60.8	139	3.4	30

Comments:

Concentrations are on column amounts.
Concentration Units: ug/L

Flags:

* = Out of limits.
NA = Not applicable
BQL = Below quantitation limit.

Reviewed By: _____

VO41.072303.1

Paradigm Analytical Laboratories, INC.

LABORATORY CONTROL SAMPLE VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Paradigm Analytical Laboratories, INC.
Lab Code: NC00919 Case No.: SAS No.: SDG No:
Matrix: (soil/water) SOIL 5035 Lab Sample ID: LCS3070805a
Sample wt/vol: 5.00 (g) Lab File ID: 0708304.D
Level: (low/med) low
% Moisture: not dec. 0% Date Analyzed: 2005-07-08 09:20
GC Column: DB-624 ID: 0.2 (mm) Dilution Factor: 1
Soil Extract Volume: NA Soil Aliquot Volume: NA

CAS NO.	COMPOUND	SPIKE AMT (µg/kg)	SAMP CONC (µg/kg)	% REC #	QC LIMITS
67-64-1	acetone	100	101	101	50.8-149
107-02-8	acrolein	1000	133	13.3	NA-238
107-13-1	acrylonitrile	1000	91.5	9.15	NA-212
71-43-2	benzene	100	98.0	98.0	77.5-122
108-86-1	bromobenzene	100	94.4	94.4	76.3-124
74-97-5	bromochloromethane	100	97.3	97.3	80.5-120
75-27-4	bromodichloromethane	100	95.9	95.9	77.4-122
75-25-2	bromoform	100	101	101	81.8-118
74-83-9	bromomethane	100	88.1	88.1	31.5-168
78-93-3	2-butanone	100	103	103	56.5-144
104-51-8	n-butylbenzene	100	99.0	99.0	76.8-123
135-98-8	sec-butylbenzene	100	100	100	78.5-122
98-06-6	tert-butylbenzene	100	98.2	98.2	77.7-122
75-15-0	Carbon disulfide	100	101	101	74.3-126
56-23-5	carbon tetrachloride	100	99.6	99.6	68.0-132
108-90-7	chlorobenzene	100	98.5	98.5	75.3-125
75-00-3	chloroethane	100	36.6	36.6	10.0-260
110-75-8	2-chloroethyl vinyl ether	100	0.00	0.00	NA-1020
67-66-3	chloroform	100	99.5	99.5	74.7-125
74-87-3	chloromethane	100	96.0	96.0	78.6-121
95-49-8	2-chlorotoluene	100	96.3	96.3	77.8-122
106-43-4	4-chlorotoluene	100	95.8	95.8	77.2-123
124-48-1	dibromochloromethane	100	92.0	92.0	75.1-125
96-12-8	1,2-dibromo-3-chloropropane	500	91.2	18.2*	67.4-133
106-93-4	1,2-dibromomethane	100	92.6	92.6	80.2-120
74-95-3	dibromomethane	100	95.2	95.2	81.0-119
95-50-1	1,2-dichlorobenzene	100	93.4	93.4	80.1-120
541-73-1	1,3-dichlorobenzene	100	95.7	95.7	78.9-121
106-46-7	1,4-dichlorobenzene	100	95.7	95.7	78.8-121
110-57-6	trans-1,4-Dichloro-2-butene	500	93.7	18.7*	69.5-130
75-71-8	dichlorodifluoromethane	100	99.5	99.5	65.0-135
75-34-3	1,1-dichloroethane	100	99.6	99.6	74.2-126
107-06-2	1,2-dichloroethane	100	90.3	90.3	74.9-125
75-35-4	1,1-dichloroethene	100	101	101	70.5-124
156-59-2	cis-1,2-dichloroethene	100	100	100	77.6-122
156-60-5	trans-1,2-dichloroethene	100	102	102	78.5-121
78-87-5	1,2-dichloropropane	100	97.5	97.5	76.6-123
142-28-9	1,3-dichloropropane	100	92.7	92.7	84.9-115
594-20-7	2,2-dichloropropane	100	93.8	93.8	68.6-131
563-58-6	1,1-dichloropropene	100	100	100	79.3-121
10061-01-5	cis-1,3-dichloropropene	100	98.8	98.8	75.8-124

Paradigm Analytical Laboratories, INC.

LABORATORY CONTROL SAMPLE VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Paradigm Analytical Laboratories, INC.

Lab Code: NC00919 Case No.: SAS No.: SDG No:

Matrix: (soil/water) SOIL Lab Sample ID: LCS3070805a

Sample wt/vol: 5.00 (g) Lab File ID: 0708304.D

Level: (low/med) low

% Moisture: not dec. 0% Date Analyzed: 2005-07-08 09:20

GC Column: DB-624 ID: 0.2 (mm) Dilution Factor: 1

Soil Extract Volume: NA Soil Aliquot Volume: NA

CAS NO.	COMPOUND	SPIKE AMT (µg/kg)	SAMP CONC (µg/kg)	% REC #	QC LIMITS
10061-02-6	trans-1,3-dichloropropene	100	96.8	96.8	77.5-122
108-20-3	Diisopropyl ether	100	92.0	92.0	71.8-128
100-41-4	ethylbenzene	100	101	101	76.3-124
87-68-3	hexachlorobutadiene	100	101	101	73.5-126
591-78-6	2-hexanone	100	88.3	88.3	61.2-139
74-88-4	Iodomethane	100	112	112	37.0-163
98-82-8	isopropylbenzene	100	98.9	98.9	77.6-122
99-87-6	4-isopropyltoluene	100	101	101	78.1-122
1634-04-4	Methyl-tert-butyl ether	100	92.9	92.9	78.9-121
75-09-2	methylene chloride	100	94.6	94.6	57.9-142
108-10-1	4-methyl-2-pentanone	100	90.5	90.5	65.1-135
91-20-3	naphthalene	100	97.9	97.9	69.3-131
103-65-1	n-propyl benzene	100	102	102	78.3-122
100-42-5	styrene	100	97.8	97.8	82.7-117
630-20-6	1,1,1,2-tetrachloroethane	100	93.4	93.4	73.0-127
79-34-5	1,1,2,2-tetrachloroethane	100	94.7	94.7	78.4-122
127-18-4	tetrachloroethene	100	98.5	98.5	73.0-127
108-88-3	Toluene	100	102	102	75.-124
87-61-6	1,2,3-trichlorobenzene	100	92.3	92.3	76.5-124
120-82-1	1,2,4-trichlorobenzene	100	93.9	93.9	74.2-126
71-55-6	1,1,1-trichloroethane	100	98.1	98.1	70.5-130
79-00-5	1,1,2-trichloroethane	100	92.3	92.3	84.2-116
79-01-6	trichloroethene	100	98.3	98.3	60.8-139
75-69-4	trichlorofluoromethane	100	88.8	88.8	10.0-232
96-18-4	1,2,3-trichloropropane	100	103	103	74.4-126
95-36-3	1,2,4-trimethylbenzene	100	98.9	98.9	77.4-122
108-67-8	1,3,5-trimethylbenzene	100	98.9	98.9	77.6-122
108-05-4	Vinyl acetate	250	125	49.9	NA-NA
75-01-4	vinyl chloride	100	104	104	79.6-120
108-38-3	m/p-xylene	200	198	99.0	78.8-121
95-47-6	o-xylene	100	97.8	97.8	78.7-121

System Monitoring Compound Results for LCS3070805a		Spike Added (µg/kg)	Spike Result (µg/kg)	Percent Rec. (%)	Percent Recovery (%)
460-00-4	4-Bromofluorobenzene	50	20.0	20.0	9.07 - 150.69
17060-07-0	1,2-Dichloroethane-d4	50	96.0	96.0	7.83 - 170.36
2037-26-5	Toluene-d8	50	104	104	8.81 - 143.85

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3070805\0708304.D Vial: 4
Acq On : 8 Jul 2005 9:20 am Operator: RNP
Sample : LCS3070805a Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 9:45 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	8.50	96	2667157	50.00	ppb		-0.02
39) bromochloropropane	11.72	79	348526	50.00	ppb		-0.02
53) chlorobenzene-d5	13.53	117	2044352	50.00	ppb		-0.02
System Monitoring Compounds							
23) 1,2-dichloroethane-d4	7.95	65	806032	48.22	ppb		0.00
Spiked Amount 50.000			Recovery	=	96.44%		
33) toluene-d8	11.10	98	2000265	52.03	ppb		0.00
Spiked Amount 50.000			Recovery	=	104.06%		
49) 4-bromofluorobenzene	15.61	95	1026373	49.98	ppb		0.00
Spiked Amount 50.000			Recovery	=	99.96%		
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.89	85	1172981	99.51	ppb	#	86
3) chloromethane	2.12	50	1657221	96.05	ppb	#	85
4) vinyl chloride	2.25	62	1846192	103.81	ppb	#	88
5) bromomethane	2.60	94	425294	88.12	ppb		92
6) chloroethane	2.71	64	324573	36.64	ppb	#	87
7) trichlorofluoromethane	3.05	101	1646819	88.85	ppb		99
8) acrolein	3.70	56	1162649	132.80	ppb	#	60
9) 1,1-dichloroethene	3.80	96	1306328	101.49	ppb		96
10) acetone	3.96	43	858026	100.87	ppb		92
11) methylene chloride	4.59	84	1499894	94.59	ppb		97
12) trans-1,2-dichloroethene	5.03	96	1700790	101.69	ppb		93
13) acrylonitrile	5.02	53	5944876	91.50	ppb		92
14) 1,1-dichloroethane	5.71	63	3020146	99.64	ppb		92
15) 2,2-dichloropropane	6.63	77	2267224	93.78	ppb		99
16) cis-1,2-dichloroethene	6.65	96	1687321	100.05	ppb		83
17) 2-butanone	6.71	43	2047526	103.06	ppb	#	100
18) bromochloromethane	7.03	128	589241	97.32	ppb		83
19) chloroform	7.18	83	2638454	99.49	ppb		94
20) 1,1,1-trichloroethane	7.44	97	2328552	98.09	ppb		89
21) carbon tetrachloride	7.71	117	2070309	99.65	ppb		97
22) 1,1-dichloropropene	7.71	75	2377831	100.58	ppb		96
24) benzene	8.04	78	6894673	97.96	ppb		99
25) 1,2-dichloroethane	8.08	62	1767179	90.30	ppb		99
26) trichloroethene	9.10	95	1697268	98.29	ppb		88
27) 1,2-dichloropropane	9.45	63	1688213	97.51	ppb	#	100
28) dibromomethane	9.64	93	765360	95.22	ppb	#	100
29) bromodichloromethane	9.92	83	1754221	95.95	ppb	#	82
31) cis-1,3-dichloropropene	10.66	75	2261898	98.77	ppb		97
32) 4-methyl-2-pentanone	10.94	43	4675265	90.55	ppb	#	94
34) toluene	11.21	92	4320535	101.79	ppb		97
35) Iodomethane	4.03	142	1248376	112.11	ppb		91
36) trans-1,3-dichloropropene	11.59	75	1900876	96.83	ppb		98
37) Vinyl acetate	5.83	86	581692	124.71	ppb	#	1
38) Carbon disulfide	4.13	76	4829409	100.89	ppb	#	95
40) 1,1,2-trichloroethane	11.90	83	1001496	92.27	ppb	#	78
41) tetrachloroethene	12.12	166	1551601	98.50	ppb		94
42) 1,3-dichloropropane	12.17	76	2153493	92.74	ppb	#	82
43) 2-hexanone	12.35	43	3404686	88.32	ppb	#	94
44) dibromochloromethane	12.55	129	1102530	91.98	ppb		90
45) 1,2-dibromoethane	12.73	107	1203194	92.56	ppb	#	78
46) chlorobenzene	13.58	112	4328803	94.92	ppb		100
47) 1,1,1,2-tetrachloroethane	13.73	131	1123343	93.46	ppb		95
48) bromoform	15.02	173	755458	101.17	ppb	#	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3070805\0708304.D Vial: 4
Acq On : 8 Jul 2005 9:20 am Operator: RNP
Sample : LCS3070805a Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 9:45 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	bromobenzene	15.86	156	1428587	94.42	ppb		93
51)	1,1,2,2-tetrachloroethane	15.90	83	1663257	94.74	ppb	#	62
52)	1,2,3-trichloropropane	16.00	75	3972144	103.29	ppb	#	9
54)	ethylbenzene	13.79	91	8314596	101.32	ppb		99
55)	m/p-xylene	14.01	106	5988849	198.04	ppb		96
56)	styrene	14.72	104	4139201	97.79	ppb		100
57)	o-xylene	14.69	106	2729682	97.79	ppb		96
58)	isopropylbenzene	15.36	105	7623299	98.88	ppb		99
59)	n-propyl benzene	16.09	91	9836052	102.13	ppb		96
60)	2-chlorotoluene	16.23	126	1467631	96.32	ppb		99
61)	4-chlorotoluene	16.42	126	1514597	95.84	ppb		93
62)	1,3,5-trimethylbenzene	16.41	105	6176520	98.94	ppb		97
63)	tert-butylbenzene	16.99	119	5081545	98.18	ppb		95
64)	1,2,4-trimethylbenzene	17.08	105	6128287	98.92	ppb		94
65)	sec-butylbenzene	17.39	105	8658545	100.36	ppb		98
66)	1,3-dichlorobenzene	17.57	146	2779134	95.70	ppb		95
67)	4-isopropyltoluene	17.66	119	6788744	100.85	ppb		93
68)	1,4-dichlorobenzene	17.72	146	2810946	95.72	ppb		92
69)	1,2-dichlorobenzene	18.39	146	2409849	93.46	ppb		91
70)	n-butylbenzene	18.40	91	6986175	99.03	ppb		100
71)	1,2-dibromo-3-chloropropan	19.81	75	1816695	91.16	ppb	#	42
72)	1,2,4-trichlorobenzene	21.33	180	1713203	93.88	ppb		83
73)	hexachlorobutadiene	21.68	225	763108	100.73	ppb		97
74)	naphthalene	21.77	128	4379521	97.92	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	1428219	93.73	ppb	#	77
76)	1,2,3-trichlorobenzene	22.22	180	1542138	92.29	ppb		94
77)	MTBE	5.08	73	4043076	92.88	ppb		96
78)	DIPE	5.87	45	6681409	92.03	ppb		94

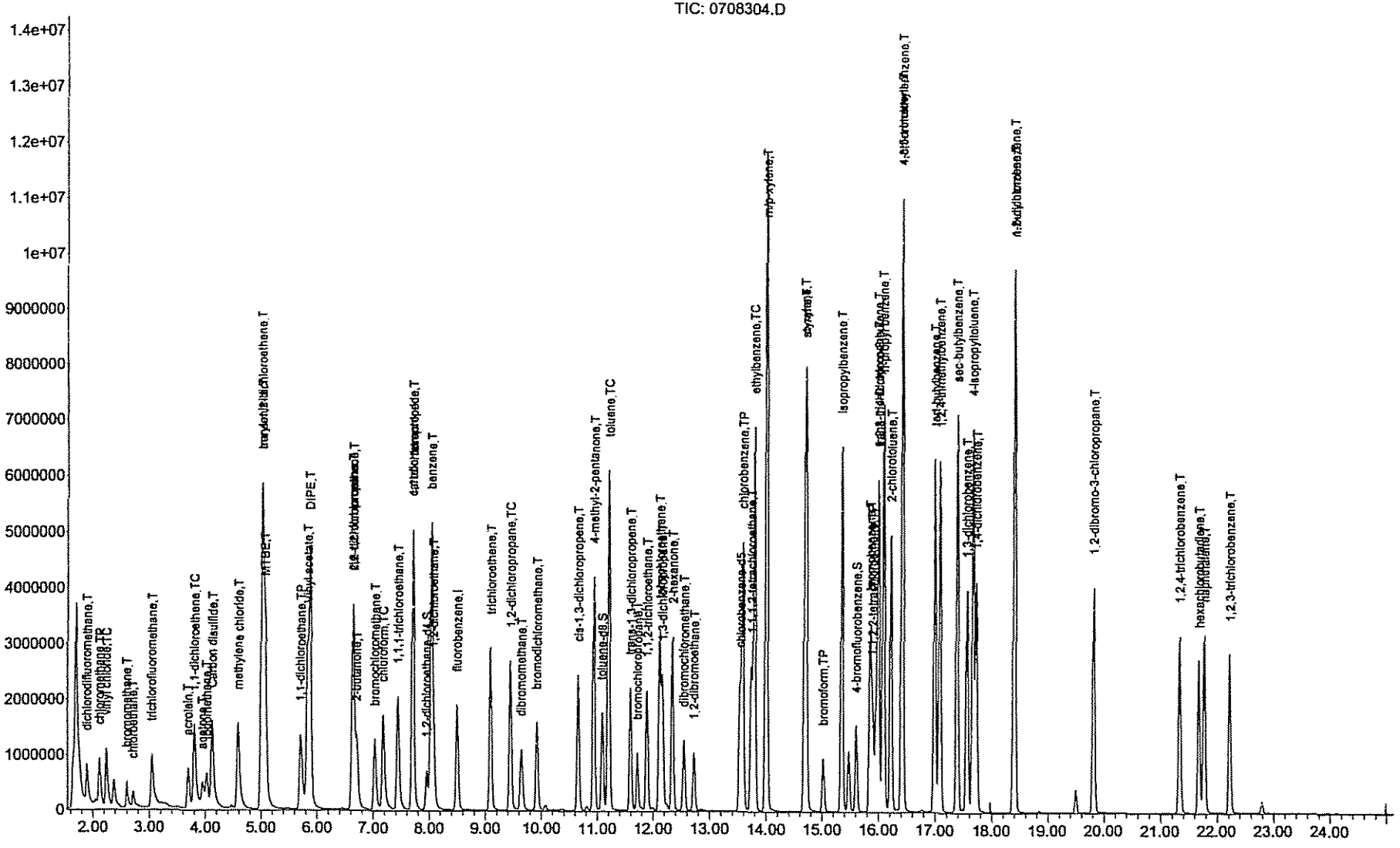
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\3070805\0708304.D Vial: 4
Acq On : 8 Jul 2005 9:20 am Operator: RNP
Sample : LCS3070805a Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 9:45 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3070805\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration

TIC: 0708304.D



0708304.D 8260SSC.M Tue Sep 06 15:39:06 2005

Page 3

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3070805\0708305.D Vial: 5
Acq On : 8 Jul 2005 9:51 am Operator: RNP
Sample : LCS3070805b Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 10:16 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	2638112	50.00	ppb	-0.01
39) bromochloropropane	11.72	79	345618	50.00	ppb	-0.02
53) chlorobenzene-d5	13.54	117	2014442	50.00	ppb	-0.01
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.96	65	804010	48.63	ppb	0.00
Spiked Amount 50.000			Recovery	=	97.26%	
33) toluene-d8	11.09	98	1943949	51.12	ppb	-0.01
Spiked Amount 50.000			Recovery	=	102.24%	
49) 4-bromofluorobenzene	15.61	95	1018133	50.00	ppb	-0.01
Spiked Amount 50.000			Recovery	=	100.00%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.90	85	1148823	98.53	ppb	#	83
3) chloromethane	2.11	50	1617084	94.75	ppb	#	86
4) vinyl chloride	2.24	62	1878364	106.78	ppb	#	89
5) bromomethane	2.60	94	430558	90.19	ppb		92
6) chloroethane	2.71	64	324824	37.07	ppb		92
7) trichlorofluoromethane	3.03	101	1728386	94.27	ppb		100
8) acrolein	3.69	56	819518	80.88	ppb	#	59
9) 1,1-dichloroethene	3.80	96	1350108	106.05	ppb		93
10) acetone	3.96	43	1000315	121.24	ppb		95
11) methylene chloride	4.58	84	1568517	100.01	ppb		93
12) trans-1,2-dichloroethene	5.02	96	1732898	104.75	ppb		95
13) acrylonitrile	5.01	53	6966116	108.40	ppb		92
14) 1,1-dichloroethane	5.70	63	3124870	104.23	ppb		93
15) 2,2-dichloropropane	6.63	77	2349582	98.25	ppb		96
16) cis-1,2-dichloroethene	6.65	96	1751375	104.99	ppb		84
17) 2-butanone	6.71	43	2433221	124.99	ppb	#	100
18) bromochloromethane	7.02	128	628256	104.91	ppb		85
19) chloroform	7.17	83	2738993	104.42	ppb		89
20) 1,1,1-trichloroethane	7.44	97	2406638	102.50	ppb		93
21) carbon tetrachloride	7.70	117	2100180	102.20	ppb		99
22) 1,1-dichloropropene	7.70	75	2427472	103.81	ppb	#	95
24) benzene	8.04	78	7116365	102.22	ppb		100
25) 1,2-dichloroethane	8.08	62	1925152	99.46	ppb		99
26) trichloroethene	9.09	95	1736607	101.67	ppb	#	85
27) 1,2-dichloropropane	9.45	63	1761028	102.84	ppb	#	100
28) dibromomethane	9.64	93	840725	105.75	ppb	#	99
29) bromodichloromethane	9.92	83	1853093	102.48	ppb	#	80
31) cis-1,3-dichloropropene	10.65	75	2401315	106.01	ppb		98
32) 4-methyl-2-pentanone	10.94	43	5632206	110.29	ppb	#	94
34) toluene	11.20	92	4442739	105.83	ppb		95
35) Iodomethane	4.03	142	1383374	125.60	ppb		95
36) trans-1,3-dichloropropene	11.59	75	2050651	105.61	ppb		100
37) Vinyl acetate	5.83	86	482641	104.62	ppb	#	1
38) Carbon disulfide	4.12	76	4899069	103.47	ppb	#	95
40) 1,1,2-trichloroethane	11.89	83	1101923	102.38	ppb	#	80
41) tetrachloroethene	12.12	166	1582012	101.27	ppb		91
42) 1,3-dichloropropane	12.17	76	2354214	102.24	ppb	#	84
43) 2-hexanone	12.35	43	4276580	111.87	ppb	#	93
44) dibromochloromethane	12.55	129	1181583	99.41	ppb		89
45) 1,2-dibromoethane	12.72	107	1343116	104.19	ppb	#	76
46) chlorobenzene	13.59	112	4481851	99.11	ppb		99
47) 1,1,1,2-tetrachloroethane	13.74	131	1170658	98.22	ppb		97
48) bromoform	15.02	173	853713	115.89	ppb	#	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3070805\0708305.D Vial: 5
Acq On : 8 Jul 2005 9:51 am Operator: RNP
Sample : LCS3070805b Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 10:16 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

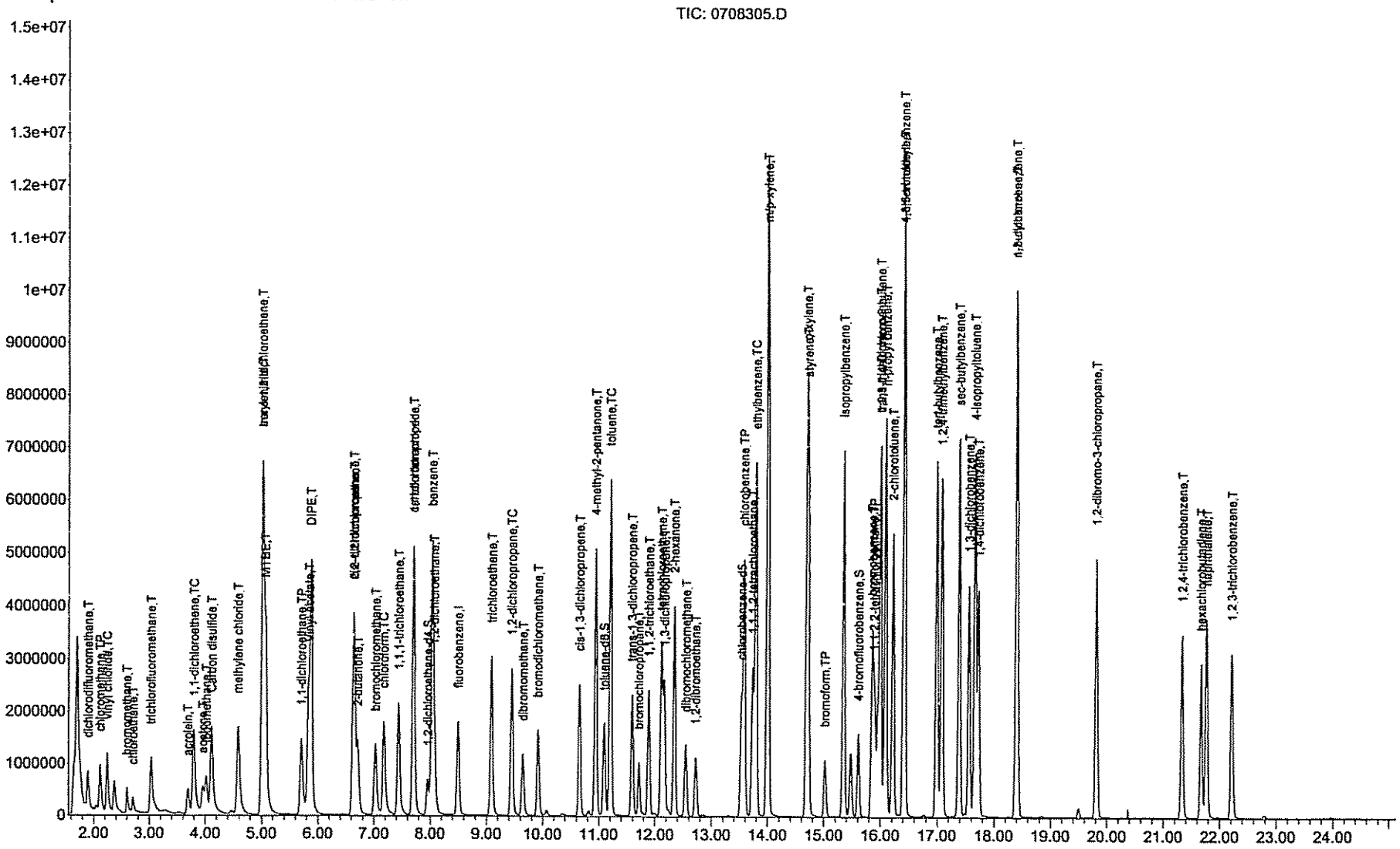
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	bromobenzene	15.86	156	1519157	101.25	ppb		93
51)	1,1,2,2-tetrachloroethane	15.90	83	1942040	111.55	ppb	#	63
52)	1,2,3-trichloropropane	16.00	75	4790929	126.24	ppb	#	10
54)	ethylbenzene	13.80	91	8500143	105.12	ppb		99
55)	m/p-xylene	14.00	106	6199503	208.05	ppb		96
56)	styrene	14.72	104	4365966	104.68	ppb		100
57)	o-xylene	14.69	106	2870041	104.35	ppb		97
58)	isopropylbenzene	15.35	105	7847265	103.30	ppb		100
59)	n-propyl benzene	16.09	91	10299353	108.53	ppb		95
60)	2-chlorotoluene	16.22	126	1552288	103.39	ppb		100
61)	4-chlorotoluene	16.42	126	1573062	101.01	ppb		94
62)	1,3,5-trimethylbenzene	16.42	105	6464170	105.08	ppb		97
63)	tert-butylbenzene	16.99	119	5383488	105.56	ppb		96
64)	1,2,4-trimethylbenzene	17.08	105	6409012	104.98	ppb		94
65)	sec-butylbenzene	17.39	105	8963917	105.45	ppb		99
66)	1,3-dichlorobenzene	17.56	146	2976922	104.04	ppb		96
67)	4-isopropyltoluene	17.67	119	7143597	107.70	ppb		92
68)	1,4-dichlorobenzene	17.73	146	2946316	101.82	ppb		95
69)	1,2-dichlorobenzene	18.39	146	2647444	104.20	ppb		95
70)	n-butylbenzene	18.41	91	7299136	105.01	ppb		98
71)	1,2-dibromo-3-chloropropan	19.81	75	2305933	117.42	ppb	#	48
72)	1,2,4-trichlorobenzene	21.34	180	1891973	105.22	ppb	#	79
73)	hexachlorobutadiene	21.67	225	802155	107.45	ppb		95
74)	naphthalene	21.77	128	5323320	121.83	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	1717318	114.37	ppb	#	75
76)	1,2,3-trichlorobenzene	22.21	180	1754618	106.57	ppb		93
77)	MTBE	5.07	73	4530435	105.62	ppb		97
78)	DIPE	5.88	45	7155383	100.02	ppb	#	90

(#) = qualifier out of range (m) = manual integration
0708305.D 8260SSC.M Tue Sep 06 15:39:12 2005

Quantitation Report

Data File : C:\HPCHEM\1\DATA\3070805\0708305.D Vial: 5
Acq On : 8 Jul 2005 9:51 am Operator: RNP
Sample : LCS3070805b Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 10:16 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3070805\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration



0708305.D 8260SSC.M Tue Sep 06 15:39:14 2005

Page 3

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3070805\0708307.D Vial: 7
Acq On : 8 Jul 2005 10:54 am Operator: RNP
Sample : VBLK3070805b Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 11:19 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.51	96	2552271	50.00	ppb	0.00
39) bromochloropropane	11.72	79	335753	50.00	ppb	-0.01
53) chlorobenzene-d5	13.54	117	1940756	50.00	ppb	-0.01
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.97	65	808917	50.57	ppb	0.00
Spiked Amount 50.000			Recovery	=	101.14%	
33) toluene-d8	11.09	98	1781137	48.42	ppb	-0.01
Spiked Amount 50.000			Recovery	=	96.84%	
49) 4-bromofluorobenzene	15.61	95	969447	49.00	ppb	-0.01
Spiked Amount 50.000			Recovery	=	98.00%	

Target Compounds							Qvalue
5) bromomethane	2.63	94	3218	0.70	ppb	#	2
8) acrolein	3.70	56	1418	Below Cal			84
10) acetone	3.95	43	57438	Below Cal			97
11) methylene chloride	4.61	84	1413	0.09	ppb	#	54
13) acrylonitrile	5.02	53	7408	0.12	ppb	#	78
17) 2-butanone	6.74	43	2354	Below Cal		#	100
24) benzene	8.05	78	17468	0.26	ppb	#	84
32) 4-methyl-2-pentanone	10.93	43	2068	0.04	ppb	#	38
34) toluene	11.42	92	1883	0.05	ppb		88
36) trans-1,3-dichloropropene	11.71	75	13015	0.69	ppb	#	50
38) Carbon disulfide	4.16	76	772	0.02	ppb	#	76
42) 1,3-dichloropropane	12.17	76	693	0.03	ppb	#	34
43) 2-hexanone	12.34	43	4062	0.11	ppb	#	26
46) chlorobenzene	13.58	112	592	0.01	ppb	#	1
52) 1,2,3-trichloropropane	16.13	75	1920	Below Cal		#	1
54) ethylbenzene	13.80	91	3247	0.04	ppb	#	45
55) m/p-xylene	14.01	106	902	0.03	ppb	#	1
56) styrene	14.72	104	1390	0.03	ppb		100
58) isopropylbenzene	15.60	105	767	0.01	ppb	#	50
59) n-propyl benzene	16.10	91	4378	0.05	ppb	#	53
62) 1,3,5-trimethylbenzene	16.42	105	664	0.01	ppb	#	28
64) 1,2,4-trimethylbenzene	17.10	105	5593	0.10	ppb	#	36
65) sec-butylbenzene	17.39	105	726	0.01	ppb	#	62
66) 1,3-dichlorobenzene	17.58	146	2985	0.11	ppb	#	62
67) 4-isopropyltoluene	17.67	119	3633	0.06	ppb	#	48
68) 1,4-dichlorobenzene	17.74	146	5054	0.18	ppb	#	21
69) 1,2-dichlorobenzene	18.40	146	1576	0.06	ppb	#	26
70) n-butylbenzene	18.42	91	4309	0.06	ppb	#	57
71) 1,2-dibromo-3-chloropropan	19.81	75	907	0.05	ppb	#	24
72) 1,2,4-trichlorobenzene	21.34	180	7392	0.43	ppb		93
74) naphthalene	21.78	128	31677	Below Cal			100
76) 1,2,3-trichlorobenzene	22.23	180	6038	0.38	ppb		100
78) DIPE	5.89	45	629	0.01	ppb	#	34

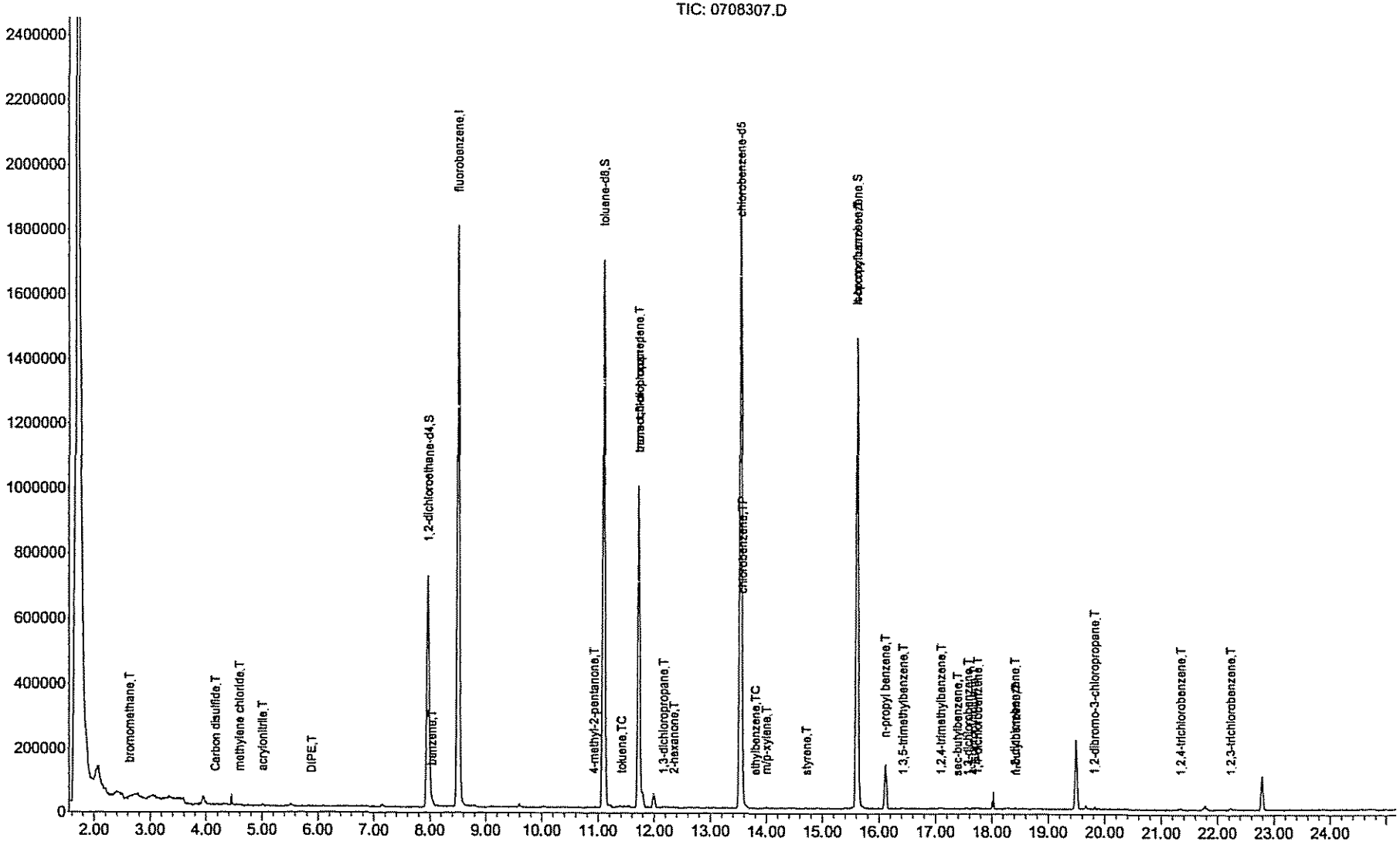
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\3070805\0708307.D Vial: 7
Acq On : 8 Jul 2005 10:54 am Operator: RNP
Sample : VBLK3070805b Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 11:19 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3070805\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration

TIC: 0708307.D



N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Inst: MSD3 Batch ID: 3070805

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: G161-2047-15c Matrix:Soil Diln: 1

COMPOUND	SAMPLE CONC (µg/kg)	MS SPIKE (µg/kg)	MS CONC (µg/kg)	MS % REC #	MSD SPIKE (µg/kg)	MSD CONC (µg/kg)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
acetone	BQL	100	173	173	100	172	172	0.232	30	6.81-355
acrolein	BQL	1000	82.3	8.23	1000	85.7	8.57	4.06	30	NA-6510
acrylonitrile	BQL	1000	146	14.6	1000	141	14.1	3.10	30	NA-5670
benzene	BQL	100	103	103	100	102	103	0.612	30	74.6-165
bromobenzene	BQL	100	86.3	86.3	100	85.6	85.6	0.896	30	66.1-140
bromochloromethane	BQL	100	122	122	100	119	119	2.07	30	85.1-136
bromodichloromethane	BQL	100	116	116	100	113	113	3.02	30	77.4-140
bromoform	BQL	100	134	134	100	124	124	7.41	30	74.7-161
bromomethane	BQL	100	94.5	94.5	100	101	101	6.34	30	30.4-127
2-butanone	BQL	100	164	164	100	160	160	2.44	30	40.9-256
n-butylbenzene	BQL	100	59.8	59.8	100	57.9	57.9	3.18	30	41.2-147
sec-butylbenzene	BQL	100	72.3	72.3	100	67.1	67.1	7.39	30	56.7-138
tert-butylbenzene	BQL	100	77.5	77.5	100	67.6	67.6	13.6	30	60.5-142
Carbon disulfide	BQL	100	99.2	99.2	100	101	101	2.03	30	64.3-145
carbon tetrachloride	BQL	100	106	106	100	102	102	4.16	30	64.2-142
chlorobenzene	BQL	100	86.4	86.4	100	88.0	88.0	1.80	30	68.3-145
chloroethane	BQL	100	39.2	39.2	100	39.0	39.0	0.460	30	20.7-182
2-chloroethyl vinyl ether	BQL	100	0.00	0.00	100	0.00	0.00	--	30	0.00-0.00
chloroform	BQL	100	113	113	100	111	111	1.86	30	71.1-143
chloromethane	BQL	100	112	112	100	106	106	5.26	30	69.1-138
2-chlorotoluene	BQL	100	78.1	78.1	100	76.2	76.2	2.52	30	59.8-144
4-chlorotoluene	BQL	100	73.0	73.0	100	74.2	74.2	1.67	30	59.0-141
dibromochloromethane	BQL	100	114	114	100	110	110	3.64	30	78.1-141
1,2-dibromo-3-chloropropane	BQL	500	135	27.1*	500	122	24.5*	10.0	30	43.4-229
1,2-dibromomethane	BQL	100	119	119	100	115	115	3.25	30	78.3-148
dibromomethane	BQL	100	125	125	100	121	121	2.98	30	80.0-150
1,2-dichlorobenzene	BQL	100	80.3	80.3	100	77.2	77.2	3.92	30	57.5-148
1,3-dichlorobenzene	BQL	100	73.4	73.4	100	71.7	71.7	2.40	30	55.0-145
1,4-dichlorobenzene	BQL	100	72.0	72.0	100	70.5	70.5	2.08	30	53.4-146
trans-1,4-Dichloro-2-butene	BQL	500	115	22.9*	500	112	22.3*	2.55	30	48.9-211
dichlorodifluoromethane	BQL	100	109	109	100	106	106	3.33	30	81.6-130
1,1-dichloroethane	BQL	100	111	111	100	110	110	1.67	30	71.6-139
1,2-dichloroethane	BQL	100	122	122	100	118	118	2.98	30	72.9-146
1,1-dichloroethene	BQL	100	105	105	100	102	102	3.53	30	72.8-135
cis-1,2-dichloroethene	BQL	100	107	107	100	107	107	0.279	30	76.9-134
trans-1,2-dichloroethene	BQL	100	102	102	100	103	103	1.21	30	72.0-135
1,2-dichloropropane	BQL	100	112	112	100	110	110	1.65	30	76.1-136
1,3-dichloropropane	BQL	100	116	116	100	113	113	2.78	30	83.2-137
2,2-dichloropropane	BQL	100	101	101	100	100	100	1.31	30	58.0-150
1,1-dichloropropene	BQL	100	99.9	99.9	100	99.5	99.5	0.391	30	68.5-137
cis-1,3-dichloropropene	BQL	100	110	110	100	109	109	0.511	30	72.1-146

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 72 outside of limits

Spike Recovery: 4 out of 144 outside of limits

COMMENTS: _____

Paradigm Analytical Laboratories, INC.

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No :

Matrix Spike - EPA Sample No.: G161-2047-15c

COMPOUND	SAMPLE CONC (µg/kg)	MS SPIKE (µg/kg)	MS CONC (µg/kg)	MS % REC #	MSD SPIKE (µg/kg)	MSD CONC (µg/kg)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
trans-1,3-dichloropropene	BQL	100	113	113	100	111	111	1.89	30	72.5-152
Diisopropyl ether	BQL	100	109	109	100	109	109	0.212	30	59.9-147
ethylbenzene	BQL	100	85.4	85.4	100	90.2	90.2	5.47	30	68.5-135
hexachlorobutadiene	BQL	100	47.7	47.7	100	41.2	41.2	14.7	30	12.1-169
2-hexanone	BQL	100	129	129	100	123	123	4.85	30	39.9-238
Iodomethane	BQL	100	114	114	100	122	122	6.70	30	39.5-177
isopropylbenzene	BQL	100	80.9	80.9	100	79.9	79.9	1.36	30	63.7-135
4-isopropyltoluene	BQL	100	67.9	67.9	100	57.3	57.3	17.0	30	53.2-142
Methyl-tert-butyl ether	BQL	100	127	127	100	127	127	0.0079	30	73.3-155
methylene chloride	BQL	100	110	110	100	110	110	0.318	30	54.3-156
4-methyl-2-pentanone	BQL	100	133	133	100	131	131	1.73	30	47.2-227
naphthalene	5.37	100	100	100	100	152	152	41.2*	30	14.4-218
n-propyl benzene	BQL	100	75.7	75.7	100	74.2	74.2	2.11	30	61.7-134
styrene	BQL	100	84.8	84.8	100	86.2	86.2	1.74	30	65.7-133
1,1,1,2-tetrachloroethane	BQL	100	99.2	99.2	100	97.6	97.6	1.60	30	70.4-136
1,1,2,2-tetrachloroethane	BQL	100	128	128	100	133	133	3.71	30	68.8-175
tetrachloroethene	BQL	100	85.5	85.5	100	82.8	82.8	3.22	30	61.6-137
toluene	5.07	100	98.6	98.6	100	108	108	9.07	30	70.5-138
1,2,3-trichlorobenzene	BQL	100	68.2	68.2	100	57.9	57.9	16.3	30	13.2-190
1,2,4-trichlorobenzene	BQL	100	62.0	62.0	100	53.3	53.3	15.2	30	9.93-187
1,1,1-trichloroethane	BQL	100	108	108	100	104	104	4.14	30	66.9-142
1,1,2-trichloroethane	BQL	100	118	118	100	119	119	1.01	30	84.9-139
trichloroethene	BQL	100	97.6	97.6	100	98.0	98.0	0.38	30	60.7-152
trichlorofluoromethane	BQL	100	106	106	100	106	106	0.0755	30	55.0-162
1,2,3-trichloropropane	BQL	100	132	132	100	124	124	6.45	30	55.1-197
1,2,4-trimethylbenzene	BQL	100	73.6	73.6	100	71.6	71.6	2.67	30	61.1-141
1,3,5-trimethylbenzene	BQL	100	76.6	76.6	100	70.5	70.5	8.23	30	61.8-138
Vinyl acetate	BQL	250	96.2	38.5	250	102	40.9	6.05	30	NA-NA
vinyl chloride	BQL	100	117	117	100	114	114	3.16	30	80.9-129
m/p-xylene	BQL	200	163	81.6	200	175	87.7	7.18	30	68.0-135
o-xylene	BQL	100	86.4	86.4	100	90.4	90.4	4.59	30	71.1-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 72 outside of limits

Spike Recovery: 4 out of 144 outside of limits

COMMENTS: _____

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3070805\0708315.D Vial: 15
Acq On : 8 Jul 2005 3:01 pm Operator: RNP
Sample : G161-2047-15c Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 15:30 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	2433775	50.00	ppb	0.00
39) bromochloropropane	11.73	79	323156	50.00	ppb	0.00
53) chlorobenzene-d5	13.54	117	1847356	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.96	65	804445	52.74	ppb	0.00
Spiked Amount 50.000			Recovery	=	105.48%	
33) toluene-d8	11.10	98	1786200	50.92	ppb	0.00
Spiked Amount 50.000			Recovery	=	101.84%	
49) 4-bromofluorobenzene	15.61	95	924686	48.56	ppb	0.00
Spiked Amount 50.000			Recovery	=	97.12%	
Target Compounds						Qvalue
5) bromomethane	2.66	94	3463	0.79	ppb #	2
7) trichlorofluoromethane	3.11	101	6742	0.40	ppb	87
8) acrolein	3.75	56	760	Below Cal	#	1
10) acetone	3.95	43	96910	0.97	ppb	96
11) methylene chloride	4.60	84	31684	2.19	ppb	84
13) acrylonitrile	5.03	53	1567	0.03	ppb #	13
17) 2-butanone	6.72	43	24899	Below Cal	#	100
24) benzene	8.05	78	33322	0.52	ppb	94
32) 4-methyl-2-pentanone	10.95	43	911	0.02	ppb #	38
34) toluene	11.20	92	196516	5.07	ppb	90
36) trans-1,3-dichloropropene	11.73	75	14106	0.79	ppb #	50
38) Carbon disulfide	4.17	76	4373	0.10	ppb #	76
40) 1,1,2-trichloroethane	11.62	83	5856	0.58	ppb #	1
43) 2-hexanone	12.35	43	697	0.02	ppb #	26
51) 1,1,2,2-tetrachloroethane	15.90	83	21191	1.30	ppb #	35
54) ethylbenzene	13.80	91	59904	0.81	ppb	96
55) m/p-xylene	14.00	106	80007	2.93	ppb	95
56) styrene	14.72	104	603	0.02	ppb	100
57) o-xylene	14.69	106	40189	1.59	ppb	92
58) isopropylbenzene	15.35	105	32570	0.47	ppb	98
59) n-propyl benzene	16.08	91	46948	0.54	ppb	92
62) 1,3,5-trimethylbenzene	16.42	105	28466	0.50	ppb	100
63) tert-butylbenzene	16.99	119	19746	0.42	ppb #	82
64) 1,2,4-trimethylbenzene	17.09	105	93674	1.67	ppb	87
65) sec-butylbenzene	17.39	105	78525	1.01	ppb #	92
67) 4-isopropyltoluene	18.06	119	27064	0.44	ppb	97
70) n-butylbenzene	18.40	91	65632	1.03	ppb #	84
71) 1,2-dibromo-3-chloropropan	19.49	75	1380	0.08	ppb #	24
74) naphthalene	21.77	128	379920	5.37	ppb	100
77) MTBE	5.07	73	4309	0.11	ppb #	26

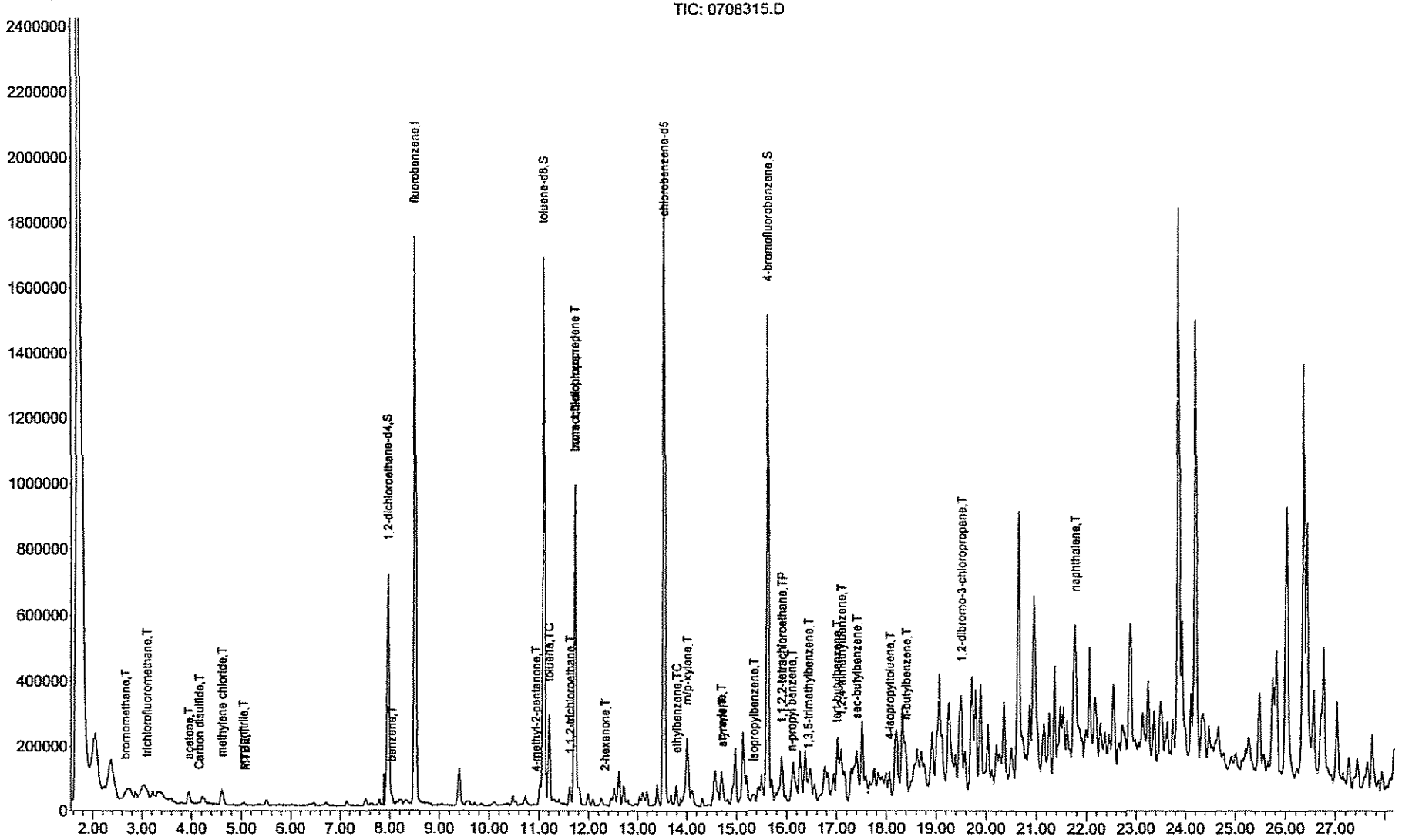
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\3070805\0708315.D Vial: 15
Acq On : 8 Jul 2005 3:01 pm Operator: RNP
Sample : G161-2047-15c Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 15:30 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3070805\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration

TIC: 0708315.D



N.C. CERTIFICATION #481
PARADIGM ANALYTICAL LABORATORIES, INC

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3070805\0708322.D Vial: 22
Acq On : 8 Jul 2005 6:42 pm Operator: RNP
Sample : G161-2047-15b ms Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 14:23 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.49	96	2376262	50.00	ppb	-0.02
39) bromochloropropane	11.72	79	311385	50.00	ppb	-0.02
53) chlorobenzene-d5	13.54	117	1848104	50.00	ppb	-0.01
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.95	65	760612	51.08	ppb	0.00
Spiked Amount 50.000			Recovery	=	102.16%	
33) toluene-d8	11.10	98	1756371	51.28	ppb	-0.01
Spiked Amount 50.000			Recovery	=	102.56%	
49) 4-bromofluorobenzene	15.61	95	938433	51.15	ppb	-0.01
Spiked Amount 50.000			Recovery	=	102.30%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.89	85	1149430	109.45	ppb	#	87
3) chloromethane	2.11	50	1715365	111.59	ppb	#	85
4) vinyl chloride	2.24	62	1856216	117.15	ppb	#	89
5) bromomethane	2.60	94	409807	95.31	ppb		98
6) chloroethane	2.71	64	309587	39.22	ppb	#	85
7) trichlorofluoromethane	3.00	101	1754793m	106.26	ppb		
8) acrolein	3.69	56	746182	82.28	ppb	#	57
9) 1,1-dichloroethene	3.77	96	1205699	105.14	ppb		88
10) acetone	3.98	43	1252833	173.72	ppb		95
11) methylene chloride	4.57	84	1582658	112.03	ppb		91
12) trans-1,2-dichloroethene	5.01	96	1513307	101.56	ppb		96
13) acrylonitrile	5.02	53	8447348	145.94	ppb		91
14) 1,1-dichloroethane	5.70	63	3008249	111.40	ppb		93
15) 2,2-dichloropropane	6.63	77	2186084	101.49	ppb		94
16) cis-1,2-dichloroethene	6.64	96	1615045	107.49	ppb		89
17) 2-butanone	6.72	43	2842139	163.81	ppb	#	100
18) bromochloromethane	7.02	128	657219	121.84	ppb		84
19) chloroform	7.17	83	2673199	113.14	ppb		92
20) 1,1,1-trichloroethane	7.44	97	2289778	108.27	ppb		91
21) carbon tetrachloride	7.69	117	1966970	106.27	ppb		99
22) 1,1-dichloropropene	7.70	75	2104218	99.90	ppb	#	95
24) benzene	8.04	78	6467118	103.13	ppb		100
25) 1,2-dichloroethane	8.08	62	2118930	121.53	ppb		98
26) trichloroethene	9.09	95	1501113	97.57	ppb		86
27) 1,2-dichloropropane	9.45	63	1724303	111.79	ppb	#	100
28) dibromomethane	9.64	93	895943	125.12	ppb	#	98
29) bromodichloromethane	9.91	83	1898317	116.55	ppb	#	83
31) cis-1,3-dichloropropene	10.65	75	2243174	109.95	ppb		95
32) 4-methyl-2-pentanone	10.95	43	6119802	133.04	ppb	#	95
34) toluene	11.20	92	3808052	100.70	ppb		100
35) Iodomethane	4.00	142	1127877	113.69	ppb		88
36) trans-1,3-dichloropropene	11.60	75	1995845	114.12	ppb		100
37) Vinyl acetate	5.82	86	399895	96.23	ppb	#	1
38) Carbon disulfide	4.10	76	4233960	99.28	ppb	#	96
40) 1,1,2-trichloroethane	11.89	83	1152379	118.83	ppb	#	83
41) tetrachloroethene	12.12	166	1203152	85.49	ppb		90
42) 1,3-dichloropropane	12.17	76	2416860	116.49	ppb	#	84
43) 2-hexanone	12.36	43	4448287	129.15	ppb	#	94
44) dibromochloromethane	12.55	129	1219759	113.90	ppb		88
45) 1,2-dibromoethane	12.73	107	1377499	118.60	ppb	#	77
46) chlorobenzene	13.59	112	3519970	86.39	ppb		100
47) 1,1,1,2-tetrachloroethane	13.74	131	1065638	99.23	ppb		97
48) bromoform	15.03	173	884058	133.85	ppb	#	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3070805\0708322.D Vial: 22
Acq On : 8 Jul 2005 6:42 pm Operator: RNP
Sample : G161-2047-15b ms Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 14:23 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	bromobenzene	15.86	156	1167035	86.33	ppb		94
51)	1,1,2,2-tetrachloroethane	15.91	83	2026395	129.19	ppb	#	63
52)	1,2,3-trichloropropane	16.00	75	4507115	131.94	ppb	#	11
54)	ethylbenzene	13.80	91	6392469	86.17	ppb		99
55)	m/p-xylene	14.00	106	4544595	166.24	ppb		96
56)	styrene	14.72	104	3244458	84.79	ppb		100
57)	o-xylene	14.69	106	2220099	87.98	ppb		99
58)	isopropylbenzene	15.35	105	5674383	81.42	ppb		99
59)	n-propyl benzene	16.09	91	6640183	76.27	ppb		96
60)	2-chlorotoluene	16.22	126	1075761	78.10	ppb		99
61)	4-chlorotoluene	16.42	126	1042320	72.96	ppb		94
62)	1,3,5-trimethylbenzene	16.42	105	4348862	77.06	ppb		96
63)	tert-butylbenzene	16.99	119	3646784	77.94	ppb		97
64)	1,2,4-trimethylbenzene	17.09	105	4215472	75.27	ppb		94
65)	sec-butylbenzene	17.39	105	5714512	73.27	ppb		100
66)	1,3-dichlorobenzene	17.56	146	1928192	73.45	ppb		95
67)	4-isopropyltoluene	17.67	119	4160035	68.36	ppb		93
68)	1,4-dichlorobenzene	17.73	146	1910673	71.97	ppb		96
69)	1,2-dichlorobenzene	18.39	146	1871074	80.27	ppb		90
70)	n-butylbenzene	18.41	91	3878945	60.83	ppb		98
71)	1,2-dibromo-3-chloropropan	19.81	75	2439688	135.41	ppb	#	56
72)	1,2,4-trichlorobenzene	21.34	180	1023422	62.04	ppb		86
73)	hexachlorobutadiene	21.68	225	326865	47.73	ppb		94
74)	naphthalene	21.77	128	4248404	105.40	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	1579130	114.63	ppb	#	73
76)	1,2,3-trichlorobenzene	22.22	180	1029662	68.16	ppb		93
77)	MTBE	5.07	73	5010081	127.32	ppb		98
78)	DIPE	5.88	45	7128182	108.61	ppb		91

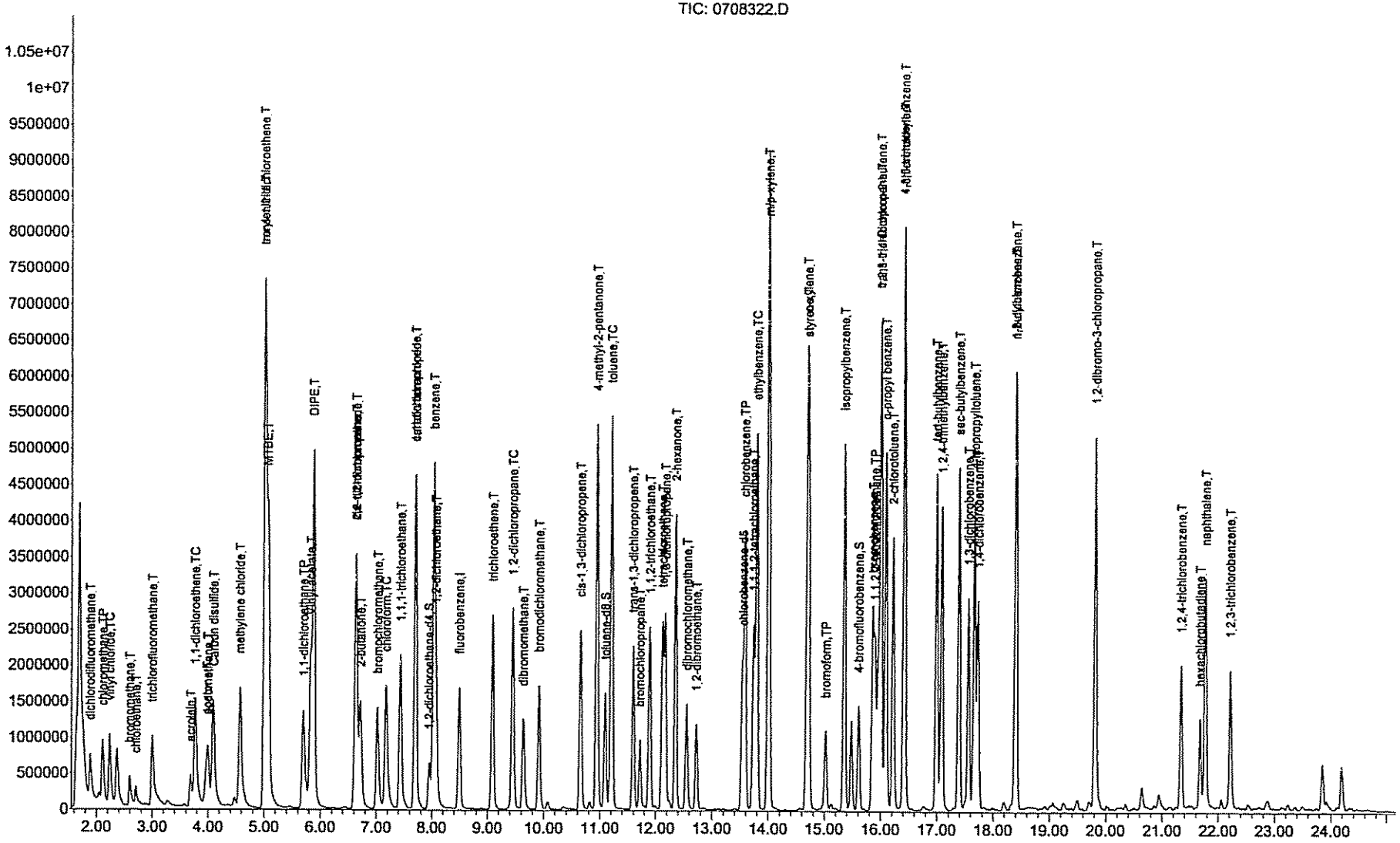
(#) = qualifier out of range (m) = manual integration
0708322.D 8260SSC.M Tue Sep 06 15:39:40 2005

Quantitation Report

Data File : C:\HPCHEM\1\DATA\3070805\0708322.D Vial: 22
Acq On : 8 Jul 2005 6:42 pm Operator: RNP
Sample : G161-2047-15b ms Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 14:23 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3070805\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration

TIC: 0708322.D



0708322.D 8260SSC.M Tue Sep 06 15:39:42 2005

Page 3

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3070805\0708323.D Vial: 23
Acq On : 8 Jul 2005 7:13 pm Operator: RNP
Sample : G161-2047-15a msd Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 14:23 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	2500022	50.00	ppb	-0.01
39) bromochloropropane	11.72	79	329156	50.00	ppb	-0.01
53) chlorobenzene-d5	13.54	117	1893613	50.00	ppb	-0.01
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.96	65	768628	49.06	ppb	0.00
Spiked Amount 50.000			Recovery = 98.12%			
33) toluene-d8	11.09	98	1851923	51.39	ppb	-0.01
Spiked Amount 50.000			Recovery = 102.78%			
49) 4-bromofluorobenzene	15.62	95	1062560	54.79	ppb	0.00
Spiked Amount 50.000			Recovery = 109.58%			

Target Compounds						Qvalue
2) dichlorodifluoromethane	1.89	85	1169654	105.86	ppb	# 83
3) chloromethane	2.11	50	1712191	105.87	ppb	# 85
4) vinyl chloride	2.24	62	1891976	113.50	ppb	# 86
5) bromomethane	2.60	94	459181	101.50	ppb	98
6) chloroethane	2.71	64	324244	39.04	ppb	# 83
7) trichlorofluoromethane	3.01	101	1847502m	106.34	ppb	
8) acrolein	3.70	56	805609	85.69	ppb	# 60
9) 1,1-dichloroethene	3.78	96	1248912	103.52	ppb	87
10) acetone	3.97	43	1315281	173.32	ppb	94
11) methylene chloride	4.58	84	1670281	112.38	ppb	91
12) trans-1,2-dichloroethene	5.02	96	1611503	102.80	ppb	95
13) acrylonitrile	5.02	53	8615760	141.48	ppb	92
14) 1,1-dichloroethane	5.70	63	3112456	109.55	ppb	93
15) 2,2-dichloropropane	6.63	77	2269997	100.17	ppb	94
16) cis-1,2-dichloroethene	6.65	96	1694508	107.19	ppb	87
17) 2-butanone	6.71	43	2920574	159.86	ppb	# 100
18) bromochloromethane	7.02	128	677267	119.34	ppb	86
19) chloroform	7.18	83	2760698	111.06	ppb	90
20) 1,1,1-trichloroethane	7.43	97	2311337	103.88	ppb	89
21) carbon tetrachloride	7.70	117	1985060	101.94	ppb	98
22) 1,1-dichloropropene	7.71	75	2205198	99.51	ppb	# 94
24) benzene	8.04	78	6845613	103.76	ppb	100
25) 1,2-dichloroethane	8.08	62	2163739	117.96	ppb	99
26) trichloroethene	9.09	95	1585341	97.95	ppb	# 86
27) 1,2-dichloropropane	9.46	63	1784454	109.96	ppb	# 100
28) dibromomethane	9.64	93	914960	121.45	ppb	# 100
29) bromodichloromethane	9.92	83	1937838	113.08	ppb	# 82
31) cis-1,3-dichloropropene	10.66	75	2347998	109.39	ppb	97
32) 4-methyl-2-pentanone	10.94	43	6328171	130.76	ppb	# 96
34) toluene	11.21	92	4480984	112.63	ppb	96
35) Iodomethane	4.01	142	1268969	121.57	ppb	89
36) trans-1,3-dichloropropene	11.59	75	2060777	112.00	ppb	99
37) Vinyl acetate	5.83	86	446932	102.23	ppb	# 1
38) Carbon disulfide	4.10	76	4545796	101.31	ppb	# 95
40) 1,1,2-trichloroethane	11.89	83	1230463	120.03	ppb	# 82
41) tetrachloroethene	12.13	166	1231489	82.78	ppb	91
42) 1,3-dichloropropane	12.18	76	2484766	113.30	ppb	# 82
43) 2-hexanone	12.35	43	4479504	123.04	ppb	# 94
44) dibromochloromethane	12.55	129	1243254	109.83	ppb	90
45) 1,2-dibromoethane	12.73	107	1409587	114.81	ppb	# 79
46) chlorobenzene	13.59	112	3790707	88.02	ppb	100
47) 1,1,1,2-tetrachloroethane	13.73	131	1108516	97.65	ppb	95
48) bromoform	15.02	173	869782	124.28	ppb	# 100

(#) = qualifier out of range (m) = manual integration
0708323.D 8260SSC.M Tue Sep 06 15:39:48 2005

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3070805\0708323.D Vial: 23
Acq On : 8 Jul 2005 7:13 pm Operator: RNP
Sample : G161-2047-15a msd Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 14:23 2005 Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	bromobenzene	15.86	156	1222552	85.56	ppb		93
51)	1,1,2,2-tetrachloroethane	15.90	83	2222260	134.03	ppb	#	73
52)	1,2,3-trichloropropane	16.00	75	4472624	123.69	ppb	#	11
54)	ethylbenzene	13.79	91	6915320	90.97	ppb		99
55)	m/p-xylene	14.01	106	4997545	178.41	ppb		96
56)	styrene	14.72	104	3382571	86.28	ppb		100
57)	o-xylene	14.69	106	2379565	92.04	ppb		97
58)	isopropylbenzene	15.36	105	5736736	80.33	ppb		99
59)	n-propyl benzene	16.09	91	6663176	74.69	ppb		96
60)	2-chlorotoluene	16.23	126	1074859	76.16	ppb		96
61)	4-chlorotoluene	16.42	126	1086069	74.19	ppb		92
62)	1,3,5-trimethylbenzene	16.41	105	4106083	71.01	ppb		96
63)	tert-butylbenzene	17.00	119	3262787	68.06	ppb		96
64)	1,2,4-trimethylbenzene	17.09	105	4208352	73.33	ppb		94
65)	sec-butylbenzene	17.39	105	5443214	68.12	ppb		99
66)	1,3-dichlorobenzene	17.57	146	1928925	71.71	ppb		94
67)	4-isopropyltoluene	17.67	119	3598336	57.71	ppb		94
68)	1,4-dichlorobenzene	17.73	146	1917461	70.49	ppb		93
69)	1,2-dichlorobenzene	18.40	146	1843396	77.18	ppb		91
70)	n-butylbenzene	18.41	91	3852475	58.96	ppb		99
71)	1,2-dibromo-3-chloropropan	19.82	75	2260600	122.46	ppb	#	48
72)	1,2,4-trichlorobenzene	21.33	180	900942	53.30	ppb		83
73)	hexachlorobutadiene	21.68	225	289148	41.20	ppb		99
74)	naphthalene	21.78	128	6408452	157.28	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	1577193	111.74	ppb	#	77
76)	1,2,3-trichlorobenzene	22.22	180	896136	57.90	ppb		90
77)	MTBE	5.08	73	5133973	127.33	ppb		99
78)	DIPE	5.88	45	7319409	108.84	ppb		91

(#) = qualifier out of range (m) = manual integration
0708323.D 8260SSC.M Tue Sep 06 15:39:49 2005

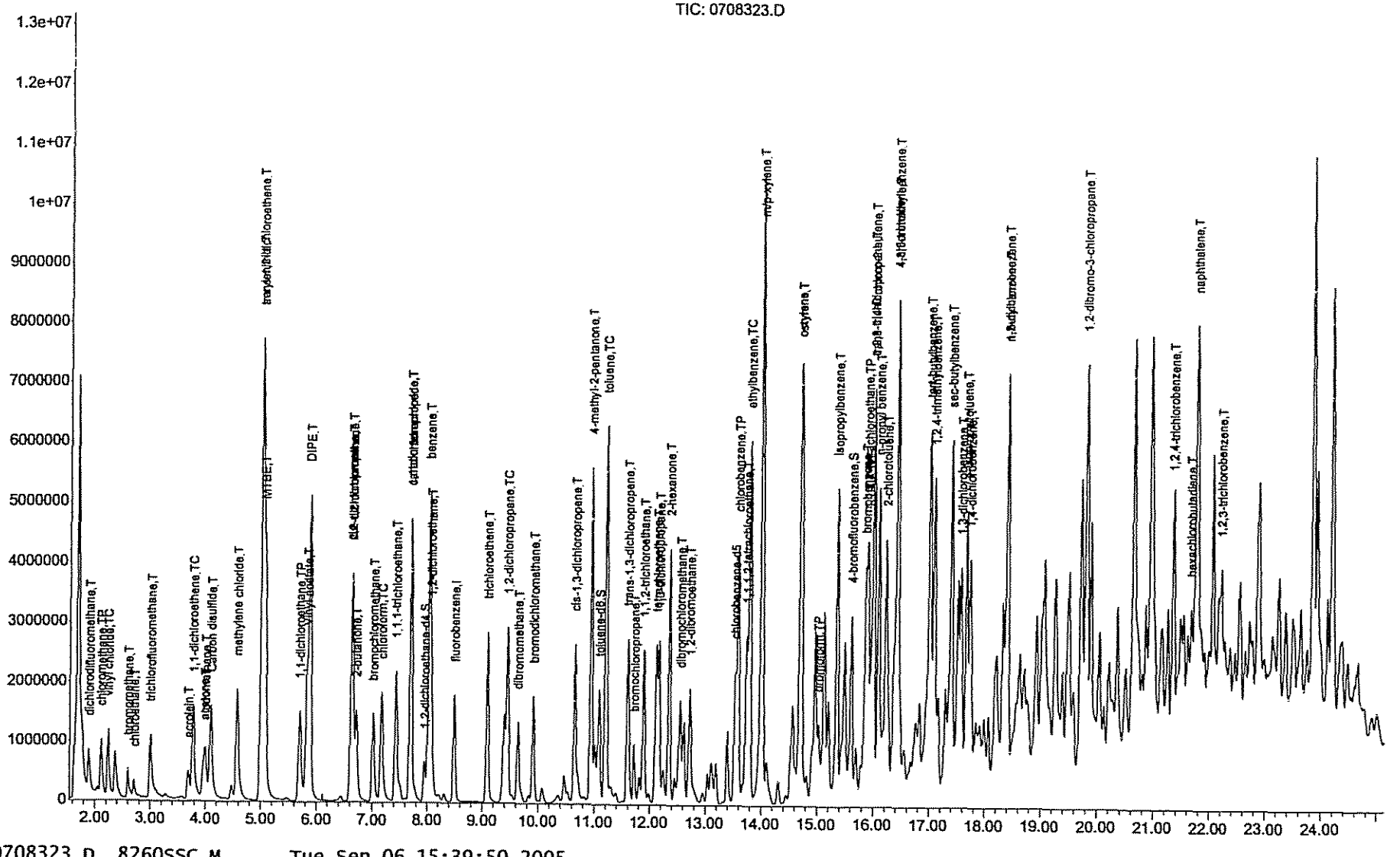
Quantitation Report

Data File : C:\HPCHEM\1\DATA\3070805\0708323.D
Acq On : 8 Jul 2005 7:13 pm
Sample : G161-2047-15a msd
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 20 14:23 2005

Vial: 23
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3070805\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration



0708323.D 8260SSC.M Tue Sep 06 15:39:50 2005

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

5035 Prep, Standard, Run Logs

8260WBC-7-063005-C61 8260WBQ-7-063005-C62 8260SBC-7-063005-C65 8260SBQ-7-063005-C65
8260WGC-7-062805-C55 8260WGQ-7062805-C56 8260SGC-7-062805-C59 8260SGQ-7-062805-C60

Paradigm Analytical

MSD3 Runlog Sheet

Method: 8260 / 6210D 5030 / 5035

Matrix: Water Soil

Initial Cal. Curve: 8260/5035-7/14/05 8260w/6210d 8/30/05 gasadds 91/05

Batch: 3070605

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0706301.D	50 ng bfb	7/6/05 9:20				RNP	✓
0706302.D	VSTD005	7/6/05 9:51				RNP	
0706303.D	VSTD005	7/6/05 10:23				RNP	✓
0706304.D	VSTD010	7/6/05 10:54				RNP	
0706305.D	VSTD020	7/6/05 11:25				RNP	✓
0706306.D	VSTD050	7/6/05 11:56				RNP	✓
0706307.D	VSTD100	7/6/05 12:28				RNP	✓
0706308.D	VSTD200	7/6/05 12:59				RNP	✓
0706309.D	B	7/6/05 13:30				RNP	
0706310.D	qcchk100	7/6/05 14:02				RNP	
0706311.D	LCS3070605a	7/6/05 14:34				RNP	
0706312.D	LCS3070605a	7/6/05 15:05				RNP	
0706314.D	VSTD005	7/6/05 15:52				RNP	
0706315.D	VSTD010	7/6/05 16:23				RNP	
0706316.D	VSTD020	7/6/05 16:54				RNP	
0706317.D	VSTD050	7/6/05 17:26				RNP	
0706318.D	VSTD100	7/6/05 17:58				RNP	
0706319.D	VSTD200	7/6/05 18:29				RNP	
0706320.D	VSTD025	7/6/05 19:00				RNP	

Analyst: [illegible]

See Top for Standard Lot Numbers

Page Number: 32S6K

V023 112202.1

PARADIGM ANALYTICAL LABORATORIES, INC

N.C. CERTIFICATION #481

8260WBC-7-063005-C61 8260WBQ-7-063005-C62 8260SBC-7-063005-C65 8260SBQ-7-063005-C66
8260WGC-7-062805-C55 8260WGQ-7-062805-C56 8260SGC-7-062805-C59 8260SGQ-7-0628005-C60

Paradigm Analytical

MSD3 Runlog Sheet

Method: 8260 / 6210D 5030 / 5035

Matrix: Water Soil

Initial Cal. Curve: 8260/5035-6/5/05 8260w/6210d 6/5/05 gasadds 5/17/05

Batch: 3070805

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0708301.D	50 ng bfb	7/8/05 7:46				RNP	✓
0708302.D	QCCHK025	7/8/05 8:18				RNP	
0708303.D	QCCHK100	7/8/05 8:49				RNP	✓
0708304.D	LCS3070805a	7/8/05 9:20				RNP	
0708305.D	LCS3070805b	7/8/05 9:51				RNP	✓
0708306.D	VBLK3070805a	7/8/05 10:22				RNP	—
0708307.D	VBLK3070805b	7/8/05 10:54				RNP	✓
0708308.D	G122-2613-1a	7/8/05 11:25				RNP	
0708309.D	G122-2613-2c	7/8/05 11:55				RNP	
0708310.D	G161-2047-2a	7/8/05 12:27				RNP	
0708311.D	G161-2047-9c	7/8/05 12:58				RNP	
0708312.D	G161-2047-10c	7/8/05 13:29				RNP	
0708313.D	G161-2047-11c	7/8/05 14:00				RNP	
0708314.D	G161-2047-12b	7/8/05 14:31				RNP	
0708315.D	G161-2047-15c	7/8/05 15:01				RNP	
0708316.D	G161-2047-16c	7/8/05 15:36				RNP	
0708317.D	G122-2613-2b	7/8/05 16:07				RNP	
0708318.D	G161-2047-12c dup	7/8/05 16:39				RNP	
0708319.D	G161-2054-1a	7/8/05 17:10				RNP	

Page Number: 3260

Analyst: RP

See Top for Standard Lot Numbers

VO23.112202.1

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C CERTIFICATION #481

8260WBC-7-063005-C61 8260WBQ-7-063005-C62 8260SBC-7-063005-C65 8260SBQ-7-063005-C66

8260WGC-7-062805-C55 8260WGQ-7-062805-C56 8260SGC-7-062805-C59 8260SGQ-7-0628005-C60

Paradigm Analytical

MSD3 Runlog Sheet

Method: 8260 / 6210D 5030 / 5035

Matrix: Water Soil

Initial Cal. Curve: 8260/5035-6/5/05 8260w/6210d 6/5/05 gasadds 5/17/05

Batch: 3070805

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0708320.D	G161-2055-2a	7/8/05 17:40		IN	IN	RNP	
0708321.D	G106-523-3c	7/8/05 18:11				RNP	
0708322.D	G161-2047-15b ms	7/8/05 18:42				RNP	
0708323.D	G161-2047-15a msd	7/8/05 19:13				RNP	✓

Page Number: 3261

Analyst: [illegible]

See Top for Standard Lot Numbers

VO23.112202.1

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

Volatiles Standard Notebook # 007 **Mass Spec Soil** ***CURVE***

Soil BASE Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt used(ul)	Final Vol (ml)	Final Conc (ppm)
7A- 19	Restek 502.2 MEGA mix lot AD33291	2000	50	10	10
7A- 21	restek ketones lot AD34305	5000	50	10	10
7B- 111	8260rxtv-7- 060505	10000	50	10	50
Solvent:	Methanol LOT# CN017				

Ampule opened: 6/5/05
Prep date:
Expiration date: 7/5/05

PAL lot number: 8260SBC-7-060505-C59

Soil GAS Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt. used(ul)	Final Vol (ml)	Final Conc (ppm)
7A- 24	Restek gases AD33690	2000	50	10	10
7B- 109	8260ac/ac/2ceve-7- 060505	500, 5000	200	10	10, 100
Solvent:	Methanol LOT# CN017				

Ampule opened: 6/5/05
Prep date:
Expiration date: 6/12/05

PAL lot number: 8260SGC-7-060505-C59

Soil GAS Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt used(ul)	Final Vol (ml)	Final Conc. (ppm)
7A- 24	Restek gases AD33690	2000	50	10	10
7B- 113	8260ac/ac/2ceve-7- ~~060505~~ 060205	500, 5000	200	10	10, 100
Solvent:	Methanol LOT# CN017 STF 6/17/05				

Ampule opened: 6/12/05
Prep date:
Expiration date: 6/19/05

PAL lot number: 8260SGC-7-060205-C59

Soil GAS Mix:

Refering Page	Description	Initial conc (ppm)	Ammt used(ul)	Final Vol (ml)	Final Conc (ppm)
7A- 27	Restek gases AD33238	2000	50	10	10
7B- 117	8260ac/ac/2ceve-7- 060205	500, 5000	200	10	10, 100
Solvent:	Methanol LOT# CN017				

Ampule opened: 6/20/05
Prep date:
Expiration date: 6/27/05

PAL lot number: 8260SGC-7-062005-C58

Soil GAS Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt used(ul)	Final Vol (ml)	Final Conc. (ppm)
7A- 27	Restek gases AD33238	2000	50	10	10
7B- 119	8260ac/ac/2ceve-7- 062805	500, 5000	200	10	10, 100
Solvent:	Methanol LOT# CN017				

Ampule opened: 6/28/05
Prep date:
Expiration date: 7/5/05

PAL lot number: 8260SGC-7-062805-C58

See reverse for any comments

page: C59

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

Volatiles Standard Notebook # 007

Mass Spec Soil *QC*

Soil BASE Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt. used(ul)	Final Vol (ml)	Final Conc (ppm)
7A- 20	Restek 502.2 MEGA mix lot A033292	2000	50	10	10
7A- 22	restek ketones lot ~~A034309~~ A034310	5000	50	10	10
7B- 112	8260rxtv-7- 060505	10000	50	10	50
Solvent:	Methanol LOT# CN017				

Ampule opened: 6/5/05
Prep date:
Expiration date: 7/5/05

PAL lot number: 8260SBQ-7-060505-C60

Soil GAS Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt. used(ul)	Final Vol. (ml)	Final Conc (ppm)
7A- 25	Restek gases A033688	2000	50	10	10
7B- 110	8260ac/ac/2ceve-7- 060505	500, 5000	200	10	10, 100
Solvent:	Methanol LOT# CN017				

Ampule opened: 6/5/05
Prep date:
Expiration date: 6/12/05

PAL lot number: 8260SGQ-7-060505-C60

Soil GAS Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt used(ul)	Final Vol (ml)	Final Conc (ppm)
7A- 25	Restek gases A033688	2000	50	10	10
7B- 114	8260ac/ac/2ceve-7- 061205	500, 5000	200	10	10, 100
Solvent:	Methanol LOT# CN017				

Ampule opened: 6/12/05
Prep date:
Expiration date: 6/19/05

PAL lot number: 8260SGQ-7-061205-C60

Soil GAS Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt used(ul)	Final Vol. (ml)	Final Conc (ppm)
7A- 28	Restek gases A036202	2000	50	10	10
7B- 118	8260ac/ac/2ceve-7- 062005	500, 5000	200	10	10, 100
Solvent:	Methanol LOT# CN017				

Ampule opened: 6/20/05
Prep date:
Expiration date: 6/27/05

PAL lot number: 8260SGQ-7-062005-C60

Soil GAS Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt. used(ul)	Final Vol (ml)	Final Conc (ppm)
7A- 29	Restek gases A036202	2000	50	10	10
7B- 120	8260ac/ac/2ceve-7- 062805	500, 5000	200	10	10, 100
Solvent:	Methanol LOT# CN017				

Ampule opened: 6/28/05
Prep date:
Expiration date: 7/5/05

PAL lot number: 8260SGQ-7-062805-C60

See reverse for any comments

page: C60

PARADIGM ANALYTICAL LABORATORIES, INC

N.C. CERTIFICATION #401

Volatiles Standard Notebook # 007 | Mass Spec Soil | CURVE

Soil BASE Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt. used(ul)	Final Vol. (ml)	Final Conc. (ppm)
7A- 19	Restek 502.2 MEGA mix lot A033291	2000	50	10	10
7A- 21	restek ketones lot A034309	5000	50	10	10
7B- 21	8260rxtv-7- 060305	10000	50	10	50
Solvent:	Methanol LOT# CN0G7				

Ampule opened: 6/30/05
Prep date: +
Expiration date: 7/30/05

PAL lot number: 8260SBC-7- 060305-CK6'

Soil GAS Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt. used(ul)	Final Vol (ml)	Final Conc. (ppm)
7A- 27	Restek gases A034238	2000	50	10	10
7B- 124	8260ac/ac/2ceve-7- 071105	500, 5000	200	10	10, 100
Solvent:	Methanol LOT# CN0G7				

Ampule opened: 7/11/05
Prep date: +
Expiration date: 7/18/05

PAL lot number: 8260SGC-7- 071105-C65

Soil GAS Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt used(ul)	Final Vol. (ml)	Final Conc. (ppm)
7A- 27	Restek gases A034238	2000	50	10	10
7B- 127	8260ac/ac/2ceve-7- 071805	500, 5000	200	10	10, 100
Solvent:	Methanol LOT# CN0G7				

Ampule opened: 7/19/05
Prep date: +
Expiration date: 7/26/05

PAL lot number: 8260SGC-7- 071805-C65

Soil GAS Mix:

Refering Page	Description	Initial conc (ppm)	Ammt used(ul)	Final Vol (ml)	Final Conc. (ppm)
7A 27	Restek gases A034238	2000	50	10	10
7B- 129	8260ac/ac/2ceve-7- 072505	500, 5000	200	10	10, 100
Solvent:	Methanol LOT# CN0G7				

Ampule opened: 7/25/05
Prep date: +
Expiration date: 8/1/05

PAL lot number: 8260SGC-7- 072505-C65

Soil GAS Mix:

Refering Page	Description	Initial conc (ppm)	Ammt used(ul)	Final Vol (ml)	Final Conc. (ppm)
7A-	Restek gases	2000	50	10	10
7B-	8260ac/ac/2ceve-7-	500, 5000	200	10	10, 100
Solvent:	Methanol LOT#				

Ampule opened:
Prep date:
Expiration date:

PAL lot number: 8260SGC-7-

See reverse for any comments

page: C05

PARADIGM ANALYTICAL LABORATORIES, INC

N.C. CERTIFICATION #481

Volatiles Standard Notebook # 007 | Mass Spec Soil | QC

Soil BASE Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt used(ul)	Final Vol. (ml)	Final Conc (ppm)
7A-20	Restek 502.2 MEGA mix lot A033292	2000	50	10	10
7A-22	restek ketones lot A034310	5000	50	10	10
7B-122	8260rxtv-7- 063005	10000	50	10	50
Solvent:	Methanol LOT# [illegible]				

Ampule opened: 6/30/05
Prep date: ↓
Expiration date: 7/30/05

PAL lot number: 8260SBQ-7-063005-[illegible]

Soil GAS Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt. used(ul)	Final Vol. (ml)	Final Conc (ppm)
7A-28	Restek gases A036202	2000	50	10	10
7B-123	8260ac/ac/2ceve-7- 071105	500, 5000	200	10	10, 100
Solvent:	Methanol LOT# [illegible]				

Ampule opened: 7/11/05
Prep date: ↓
Expiration date: 7/18/05

PAL lot number: 8260SGQ-7-071105-[illegible]

Soil GAS Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt. used(ul)	Final Vol (ml)	Final Conc (ppm)
7A-28	Restek gases A036202	2000	50	10	10
7B-128	8260ac/ac/2ceve-7- 071805	500, 5000	200	10	10, 100
Solvent:	Methanol LOT# [illegible]				

Ampule opened: 7/18/05
Prep date: ↓
Expiration date: 7/25/05

PAL lot number: 8260SGQ-7-071805-[illegible]

Soil GAS Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt used(ul)	Final Vol (ml)	Final Conc (ppm)
7A-28	Restek gases A036202	2000	50	10	10
7B-130	8260ac/ac/2ceve-7- 072505	500, 5000	200	10	10, 100
Solvent:	Methanol LOT# [illegible]				

Ampule opened: 7/25/05
Prep date: ↓
Expiration date: 8/1/06

PAL lot number: 8260SGQ-7- 072505-[illegible]

Soil GAS Mix:

Refering Page	Description	Initial conc. (ppm)	Ammt. used(ul)	Final Vol (ml)	Final Conc (ppm)
7A-	Restek gases	2000	50	10	10
7B-	8260ac/ac/2ceve-7-	500, 5000	200	10	10, 100
Solvent:	Methanol LOT#				

Ampule opened:
Prep date:
Expiration date:

PAL lot number: 8260SGQ-7-

See reverse for any comments

page: [illegible]

VO27.112202.1

PARADIGM ANALYTICAL LABORATORIES, INC.

NJ. CERTIFICATION #481

8270-BN Sample Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071105\0711620.D Vial: 20
Acq On : 12 Jul 2005 1:14 am Operator: MRC
Sample : G161-2054-1G x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:37 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration
DataAcq Meth : 8270

mc 07.13.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.17	152	142523	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	547581	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.88	164	297850	4.00	ug/mL	-0.05
55) Phenanthrene-D10	14.27	188	444001	4.00	ug/mL	-0.05
85) Chrysene-D12	18.52	240	199092	4.00	ug/mL	-0.05
93) Perylene-D12	20.87	264	106182	4.00	ug/mL	-0.06
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.40	112	362715	10.01	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	100.10%	
17) Phenol-d6 (surr)	6.67	99	571947	10.11	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	101.10%	
32) Nitrobenzene-d5 (surr)	8.00	128	200363	10.32	ug/mL	-0.04
Spiked Amount 10.000			Recovery	=	103.20%	
53) 2-Fluorobiphenyl (surr)	10.83	172	793542	9.51	ug/mL	-0.04
Spiked Amount 10.000			Recovery	=	95.10%	
54) 2,4,6-Tribromophenol (surr	13.16	330	84385	9.67	ug/mL	-0.04
Spiked Amount 10.000			Recovery	=	96.70%	
92) 4-Terphenyl-d14 (surr)	16.86	244	674444	13.55	ug/mL	-0.05
Spiked Amount 10.000			Recovery	=	135.50%	

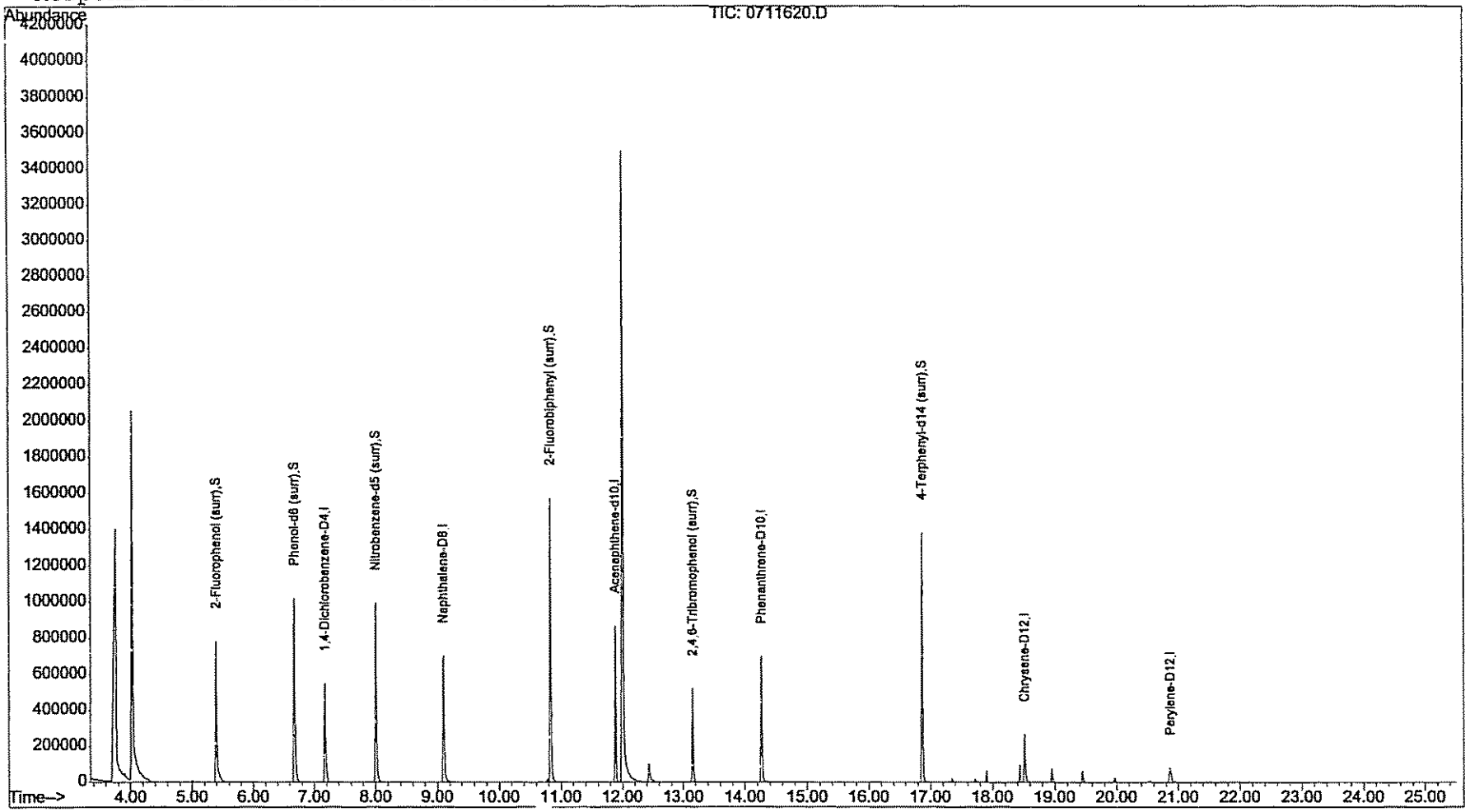
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
0711620.D 8270.M Wed Jul 13 10:47:01 2005 ENV Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6071105\0711620.D Vial: 20
Acq On : 12 Jul 2005 1:14 am Operator: MRC
Sample : G161-2054-1G x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:37 2005 Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration

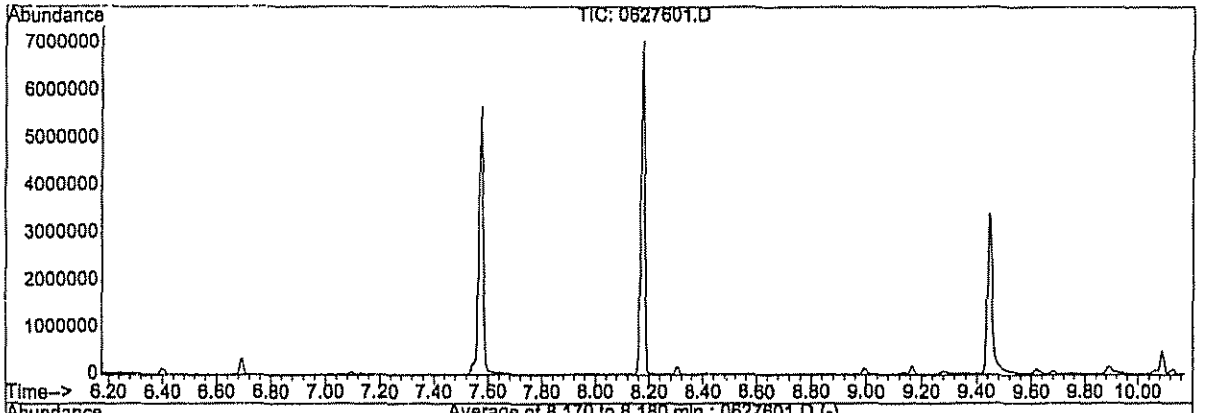


N.C. CERTIFICATION #481
PARADIGM ANALYTICAL LABORATORIES, INC.

8270-BN Tuning

DFTPP

Data File : C:\HPCHEM\1\DATA\6062705\0627601.D Vial: 1
Acq On : 27 Jun 2005 4:38 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\DATA\6062705\DFTPP.M (RTE Integrator)
Title :



AutoFind: Scans 433, 434, 435; Background Corrected with Scan 426

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	46.6	326323	PASS
68	69	0.00	2	0.5	1848	PASS
69	198	0.00	100	51.9	362949	PASS
70	69	0.00	2	0.5	1645	PASS
127	198	40	60	51.4	359488	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	699691	PASS
199	198	5	9	7.1	49856	PASS
275	198	10	30	20.8	145355	PASS
365	198	1	100	2.3	16086	PASS
441	443	0.01	100	83.6	62019	PASS
442	198	40	100	54.6	382059	PASS
443	442	17	23	19.4	74188	PASS

0627601.D DFTPP.M Mon Jun 27 16:53:48 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627601.D Vial: 1
Acq On : 27 Jun 2005 4:38 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 28 7:31 2005 Quant Results File: DFTPP.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6051905\0519601.D
DataAcq Meth : DFTPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

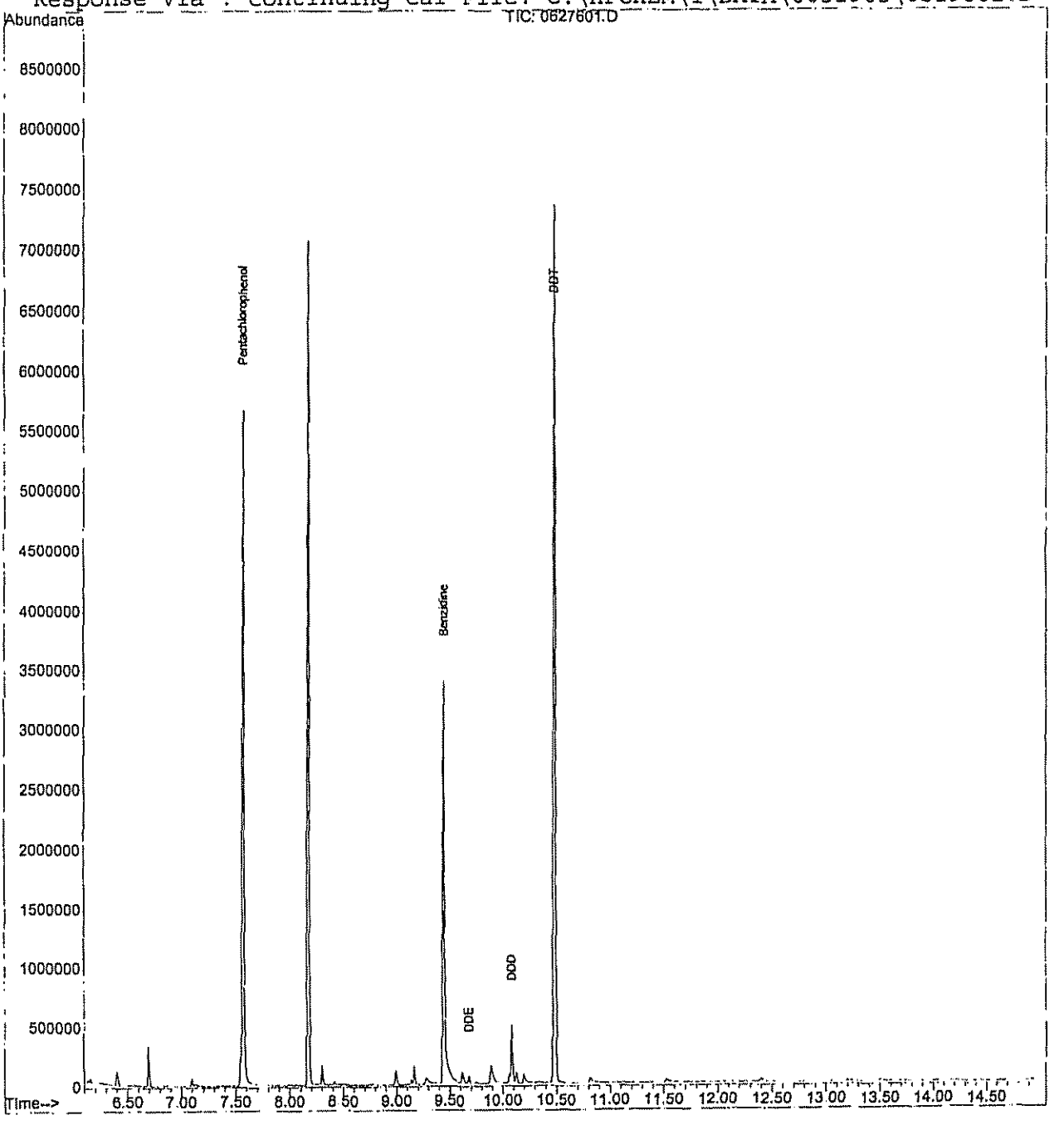
Target Compounds					Qvalue
1) Pentachlorophenol	7.57	TIC	6457064	4.03	100
2) Benzidine	9.44	TIC	4617691	5.09	100
3) DDT	10.48	TIC	8846097	16.55	100
4) DDD	10.09	TIC	459974m	89.50	
5) DDE	9.68	TIC	56651m	2.93	

(#) = qualifier out of range (m) = manual integration
0627601.D DFTPP.M Tue Jun 28 07:31:45 2005 ENV Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6062705\0627601.D Vial: 1
Acq On : 27 Jun 2005 4:38 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 28 7:31 2005 Quant Results File: DFTPP.RES

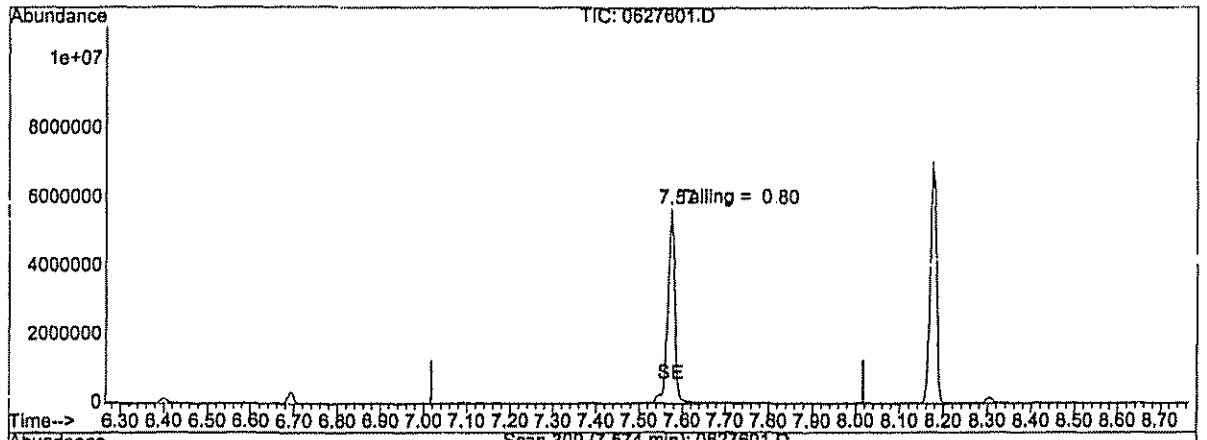
Method : C:\HPCHEM\1\DATA\6062705\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6051905\0519601.D

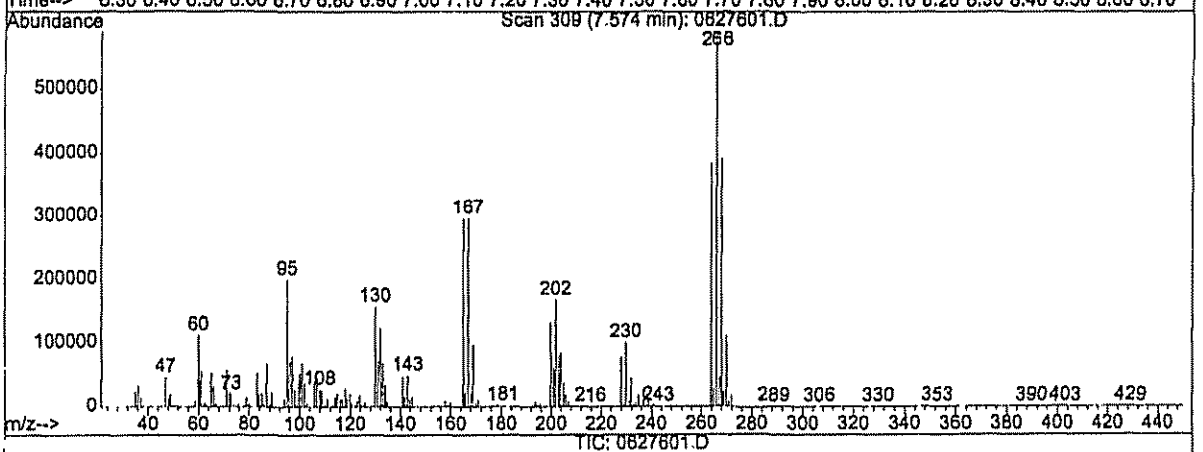


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627601.D Vial: 1
Acq On : 27 Jun 2005 4:38 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 28 7:31 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Single Level Calibration





TIC: 0627601.D

(1) Pentachlorophenol

7.57min 4.03

response 6457064

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

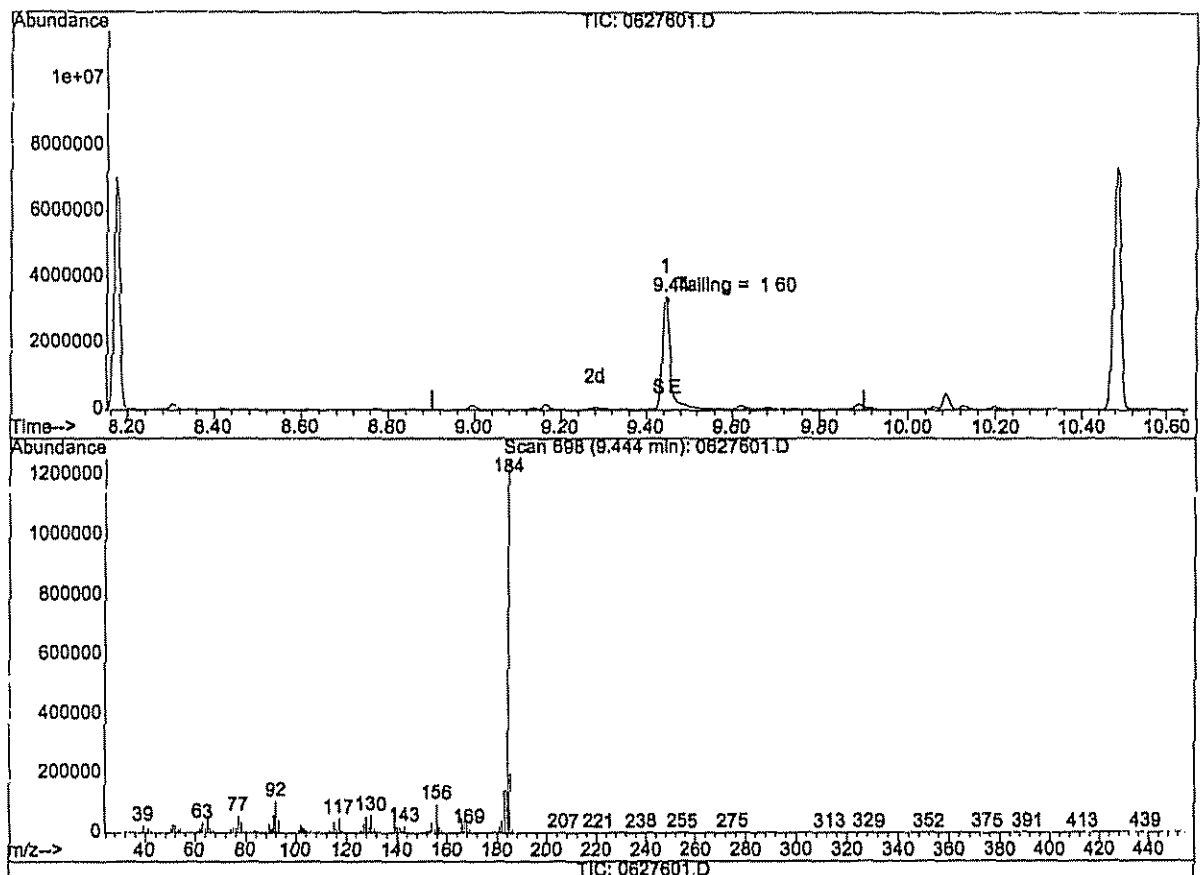
0627601.D DFTPP.M Tue Jun 28 07:32:39 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627601.D
Acq On : 27 Jun 2005 4:38 pm
Sample : DFTPP 50ng
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 28 7:31 2005

Vial: 1
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Single Level Calibration



TIC: 0627601.D

(2) Benzidine

9.44min 5.09

response 4617691

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

0627601.D DFTPP.M Tue Jun 28 07:32:46 2005 ENV

DDT Breakdown Report

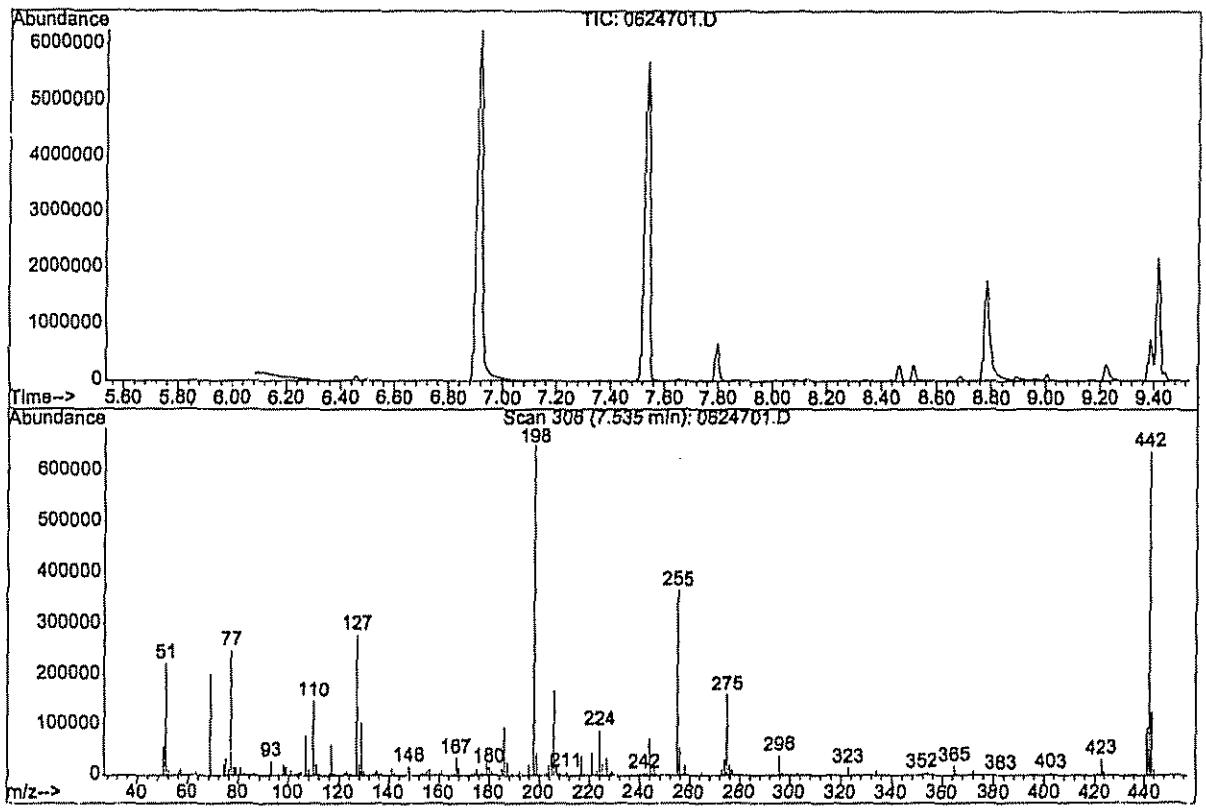
DFTPP TUNE

		Area
GCMS	DDT	8846097
	DDD	459974
	DDE	56651
	% Breakdown =	**5.52%**

Date: 06/27/05
Instrument: MSD6
File: 0627601.d

DFTPP

Data File : C:\MSDCHEM\1\DATA\7062405\0624701.D Vial: 1
Acq On : 24 Jun 2005 12:04 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\DATA\7062405\DFTPP.M (RTE Integrator)
Title :



Spectrum Information: Scan 306

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.1	222336	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	31.0	202048	PASS
70	69	0.00	2	0.7	1487	PASS
127	198	40	60	42.7	278720	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	652672	PASS
199	198	5	9	6.8	44416	PASS
275	198	10	30	24.4	159168	PASS
365	198	1	100	2.8	18016	PASS
441	443	0.01	100	74.0	93720	PASS
442	198	40	100	98.1	640384	PASS
443	442	17	23	19.8	126648	PASS

0624701.D DFTPP.M Fri Jun 24 12:32:40 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624701.D Vial: 1
Acq On : 24 Jun 2005 12:04 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 12:31:57 2005 Quant Results File: DFTPP.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Continuing Cal File: C:\MSDCHEM\1\DATA\7060305\0603701.D
DataAcq Meth : DFTPP

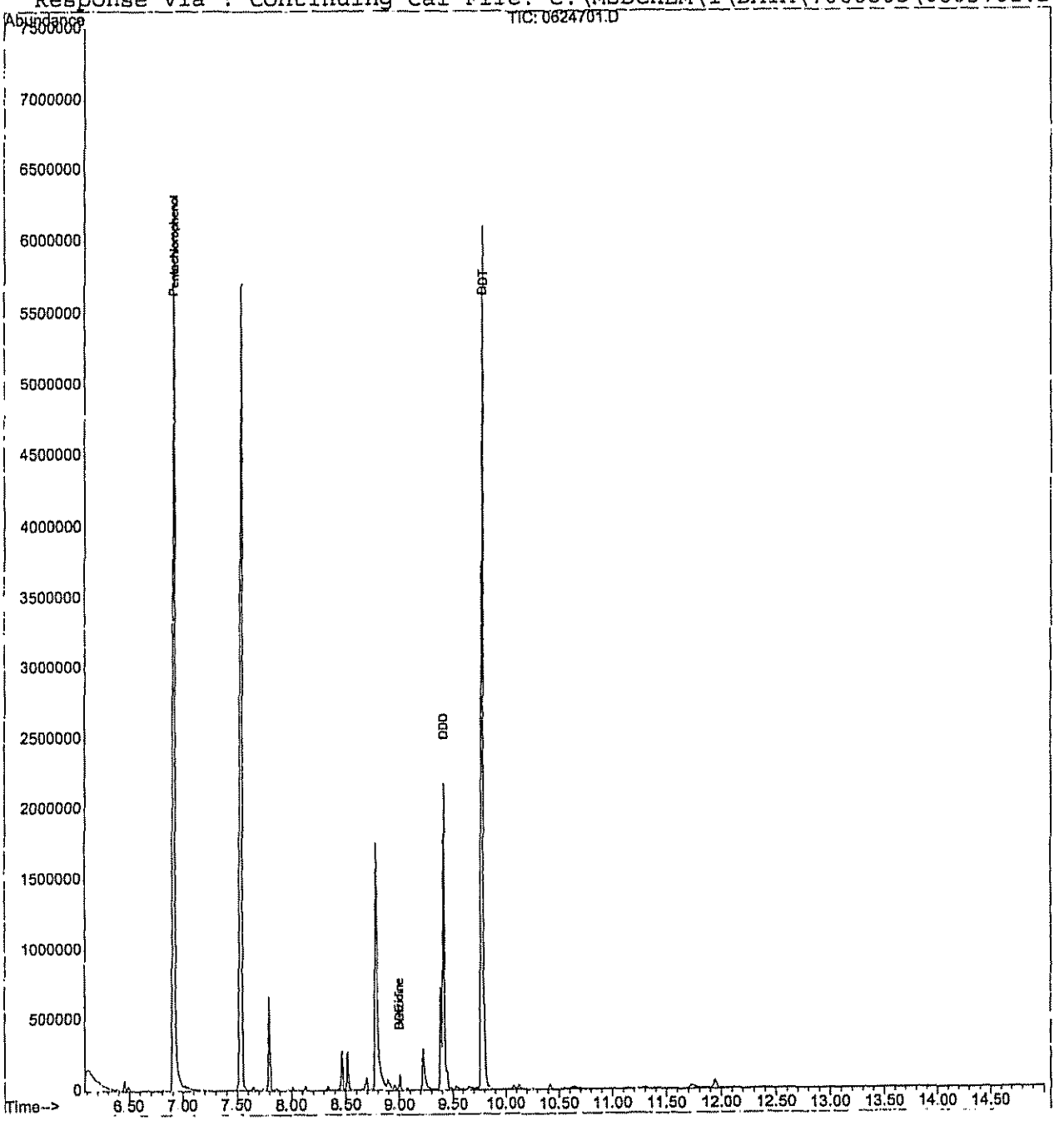
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	6.92	TIC	9080354	23.43	100
2) Benzidine	9.00	TIC	101668	0.24	100
3) DDT	9.78	TIC	7592894	14.92	100
4) DDD	9.41	TIC	1937511m	51.96	
5) DDE	9.00	TIC	87356m	21.52	

(#) = qualifier out of range (m) = manual integration
0624701.D DFTPP.M Fri Jun 24 12:32:52 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624701.D Vial: 1
Acq On : 24 Jun 2005 12:04 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 12:32 2005 Quant Results File: DFTPP.RES

Method : C:\MSDCHEM\1\DATA\7062405\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Continuing Cal File: C:\MSDCHEM\1\DATA\7060305\0603701.D

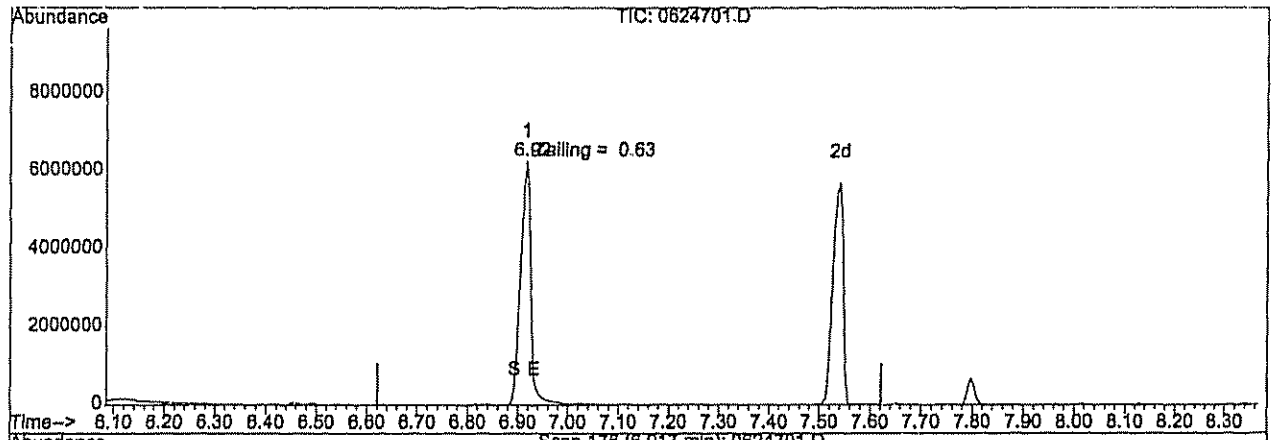


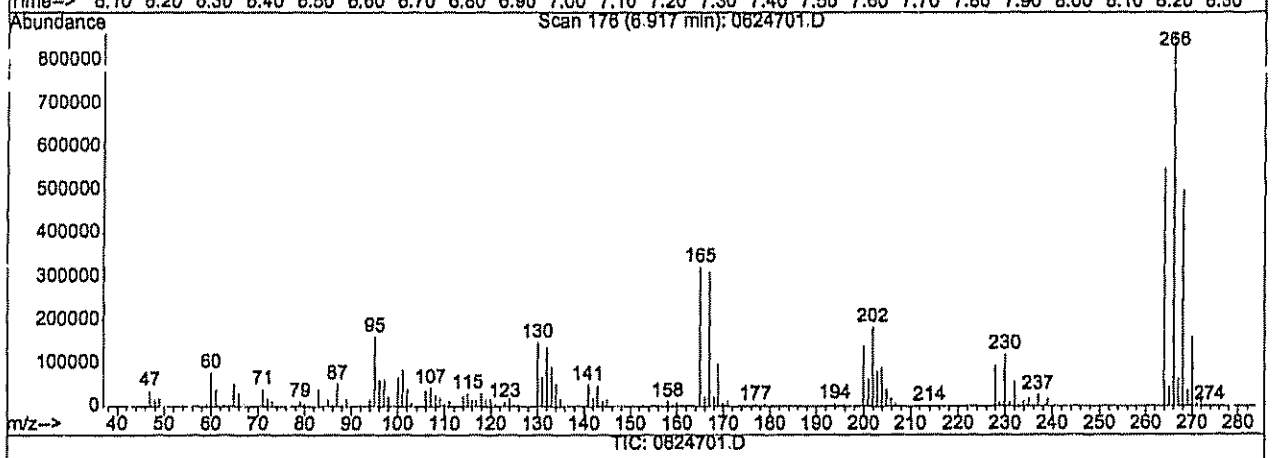
0624701.D DFTPP.M Fri Jun 24 12:32:52 2005 ENV Page 2

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624701.D Vial: 1
Acq On : 24 Jun 2005 12:04 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 12:32 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Single Level Calibration





TIC: 0624701.D

(1) Pentachlorophenol

6.92min 23.43

response 9080354

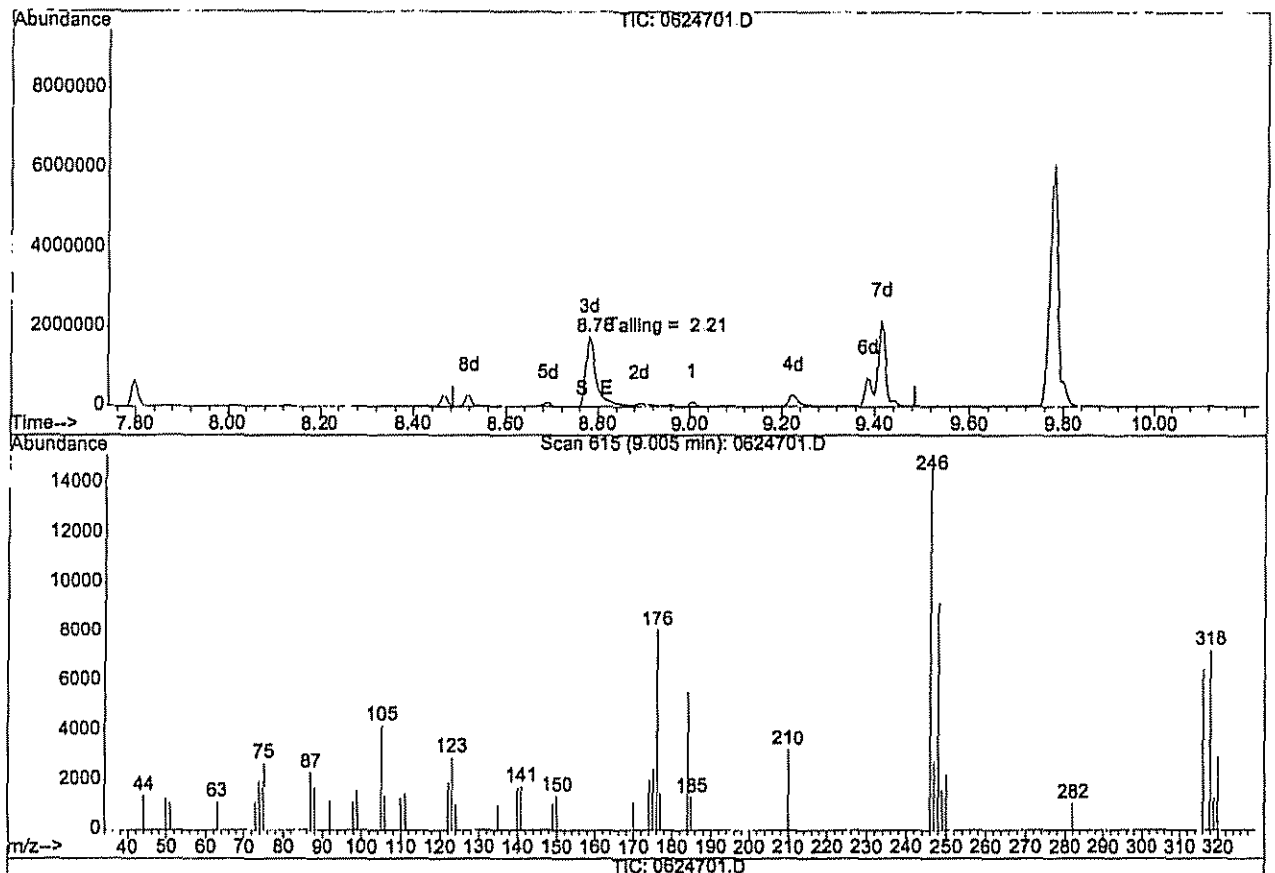
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

0624701.D DFTPP.M Fri Jun 24 12:33:22 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624701.D Vial: 1
Acq On : 24 Jun 2005 12:04 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 12:32 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Single Level Calibration



(2) Benzidine

9.00min 0.24

response 101668

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

0624701.D DFTPP.M Fri Jun 24 12:33:41 2005 ENV

DDT Breakdown Report

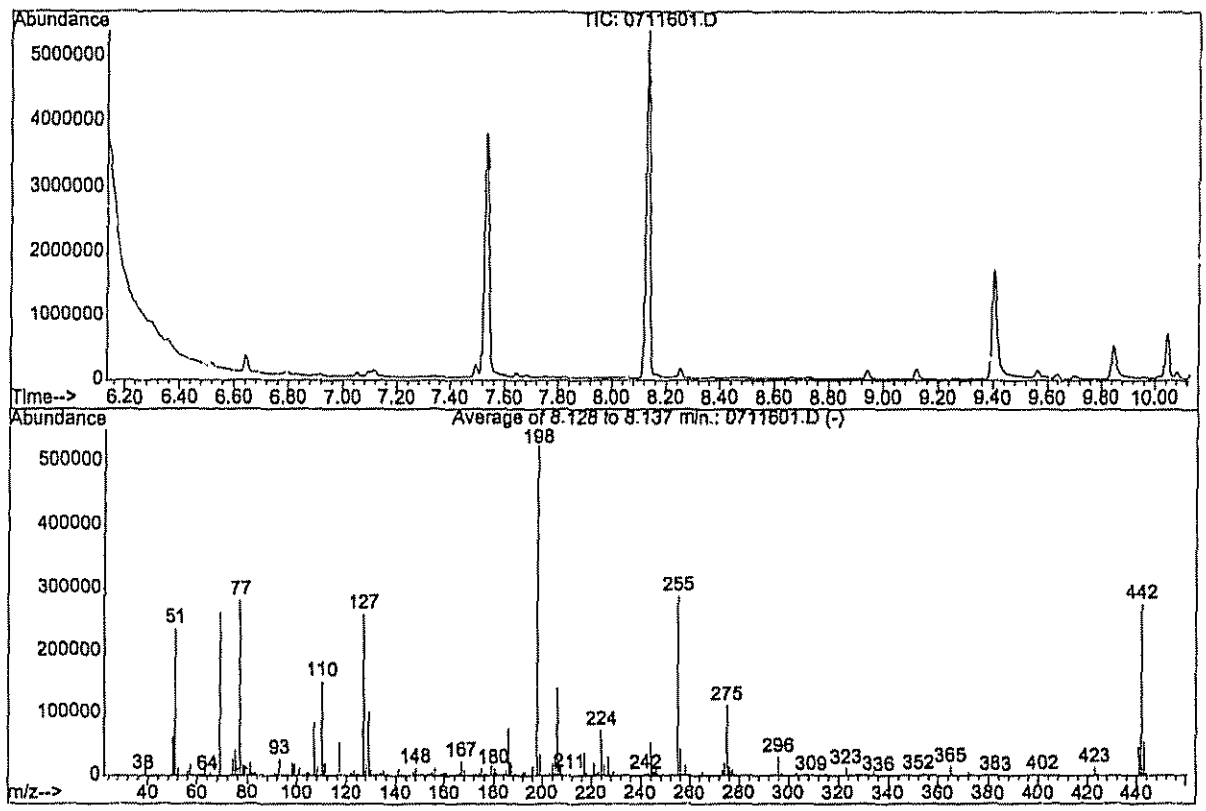
DFTPP TUNE

		Area
GCMS	DDT	7592894
	DDD	1397511
	DDE	87356
	% Breakdown =	**16.36%**

Date: 06/24/05
Instrument: MSD7
File: 0624701.d

DFTPP

Data File : C:\HPCHEM\1\DATA\6071105\0711601.D Vial: 1
Acq On : 11 Jul 2005 2:32 pm Operator: MRC
Sample : DFTPP Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\DATA\6071105\DFTPP.M (RTE Integrator)
Title :



AutoFind: Scans 424, 425, 426; Background Corrected with Scan 417

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.2	236890	PASS
68	69	0.00	2	0.4	1089	PASS
69	198	0.00	100	50.1	262619	PASS
70	69	0.00	2	0.4	1085	PASS
127	198	40	60	49.6	260124	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	524608	PASS
199	198	5	9	6.5	34043	PASS
275	198	10	30	21.5	112709	PASS
365	198	1	100	2.7	14345	PASS
441	443	0.01	100	85.3	46597	PASS
442	198	40	100	52.6	276117	PASS
443	442	17	23	19.8	54616	PASS

0711601.D DFTPP.M Mon Jul 11 14:47:21 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071105\0711601.D Vial: 1
Acq On : 11 Jul 2005 2:32 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:49 2005 Quant Results File: DFTPP.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6051905\0519601.D
DataAcq Meth : DFTPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	7.53	TIC	4616849	2.88	100
2) Benzidine	9.40	TIC	2598516	2.86	100
3) DDT	10.44	TIC	6039868	11.30	100
4) DDD	10.05	TIC	668367m	130.05	
5) DDE	9.64	TIC	55215m	2.85	

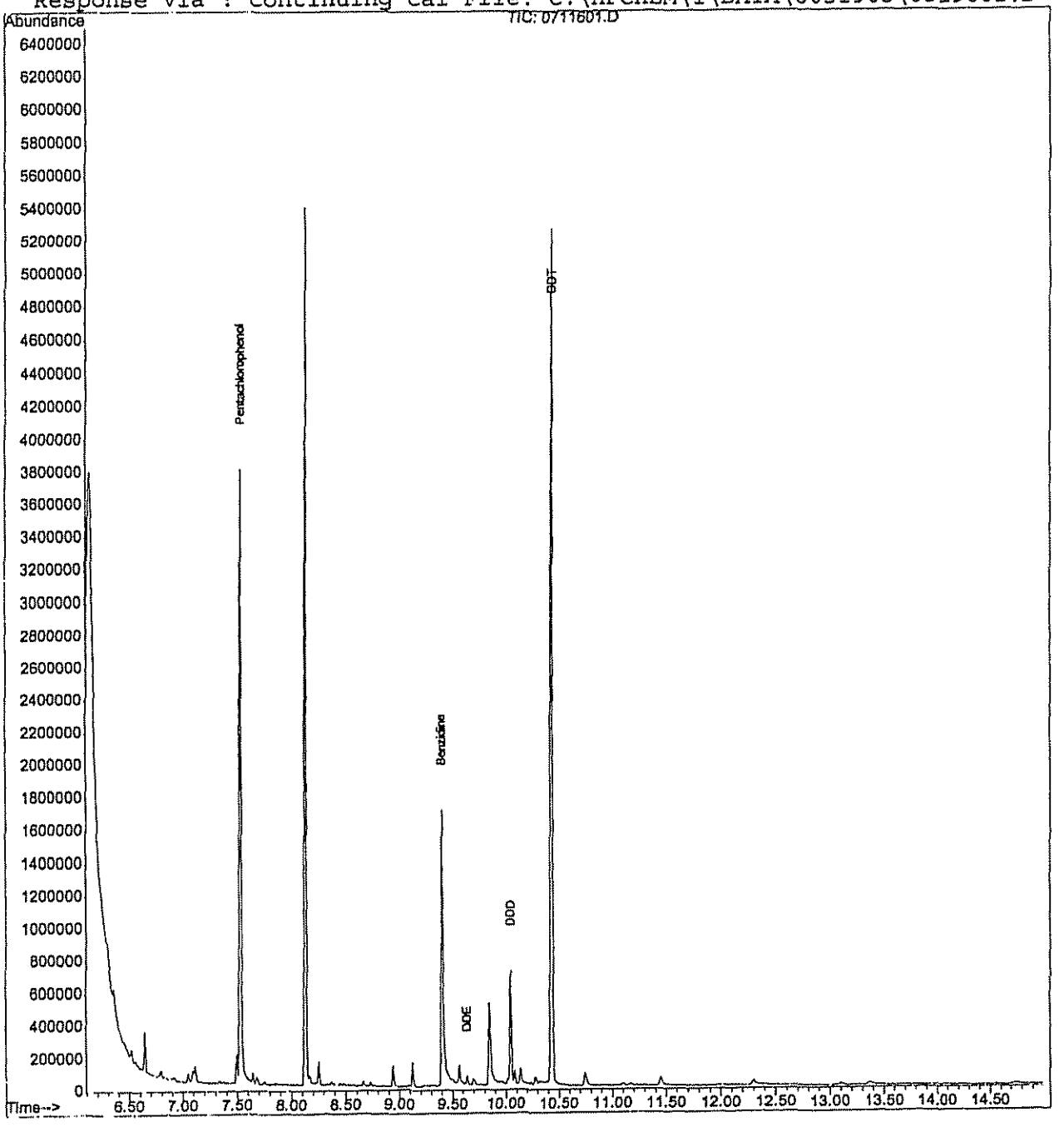
(#) = qualifier out of range (m) = manual integration
0711601.D DFTPP.M Tue Jul 12 09:50:22 2005 ENV Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6071105\0711601.D
Acq On : 11 Jul 2005 2:32 pm
Sample : DFTPP 50ng
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 12 9:49 2005

Vial: 1
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: DFTPP.RES

Method : C:\HPCHEM\1\DATA\6070805\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6051905\0519601.D

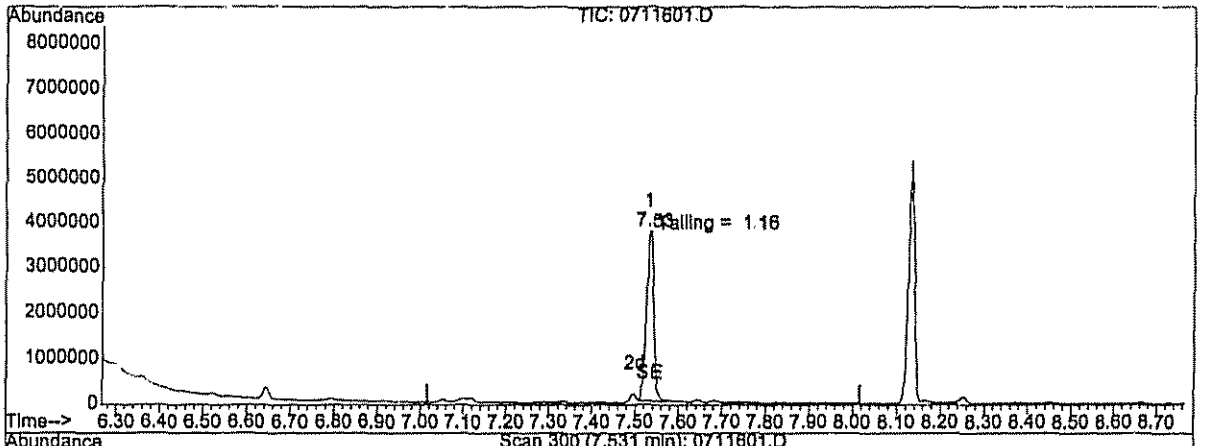


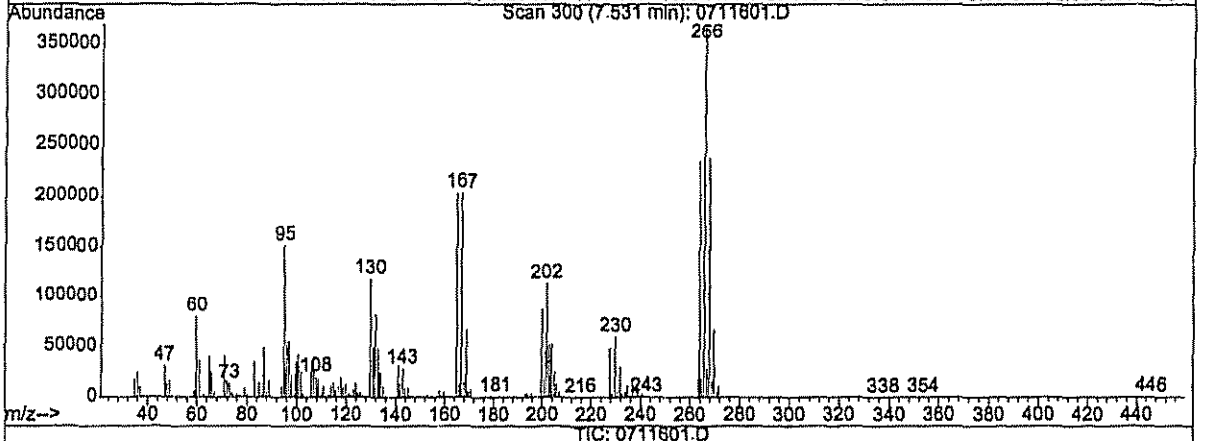
0711601.D DFTPP.M Tue Jul 12 09:50:22 2005 ENV Page 2

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6071105\0711601.D Vial: 1
Acq On : 11 Jul 2005 2:32 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:49 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6071105\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Single Level Calibration





TIC: 0711601.D

(1) Pentachlorophenol

7.53min 2.88

response 4616849

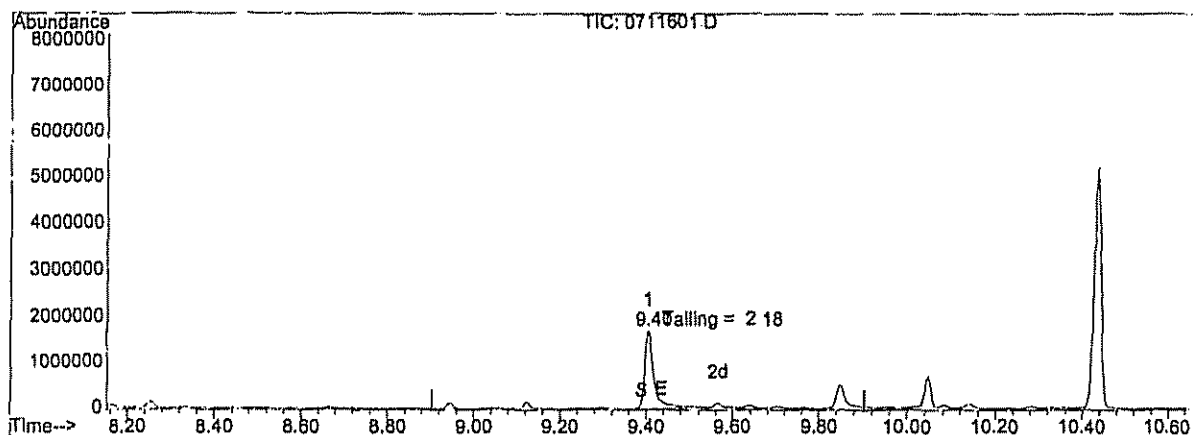
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

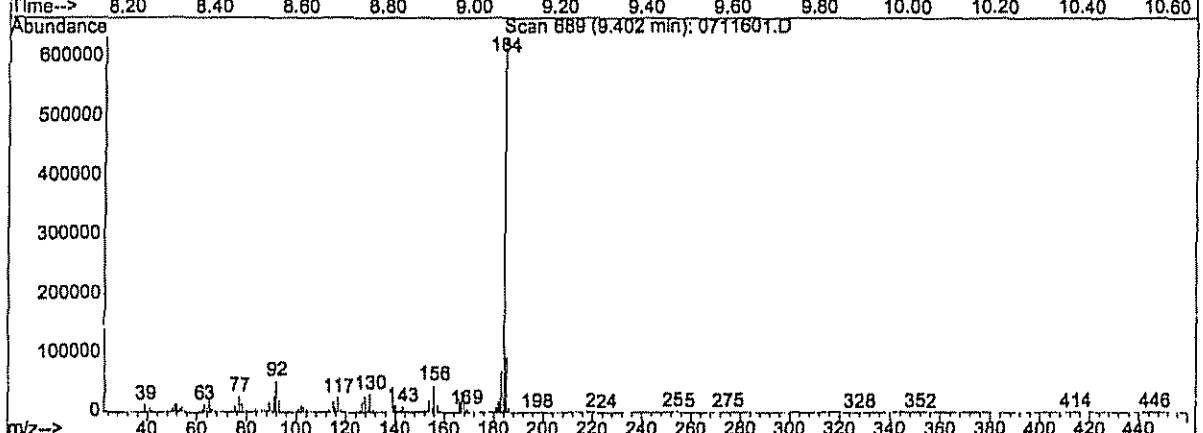
0711601.D DFTPP.M Tue Jul 12 09:56:43 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6071105\0711601.D Vial: 1
Acq On : 11 Jul 2005 2:32 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:49 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6071105\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Single Level Calibration





TIC: 0711601.D

(2) Benzidine

9.40min 2.86

response 2598516

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

0711601.D DFTPP.M Tue Jul 12 09:56:52 2005 ENV

DDT Breakdown Report

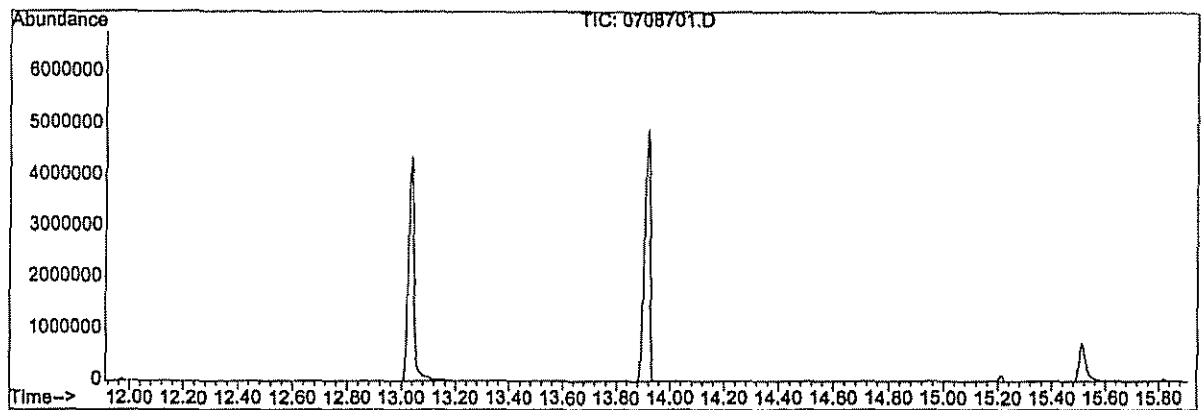
DFTPP TUNE

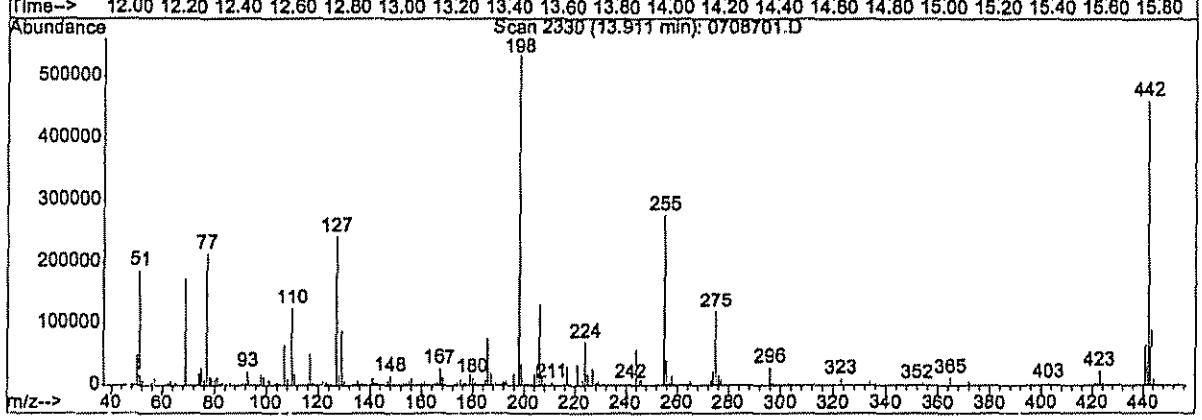
		Area
GCMS	DDT	6039868
	DDD	668367
	DDE	55215
	% Breakdown =	**10.70%**

Date: 07/11/05
Instrument: MSD6
File: 0711601.D

DFTPP

Data File : C:\MSDCHEM\1\DATA\7070805\0708701.D Vial: 1
Acq On : 8 Jul 2005 1:33 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\DATA\7070105\DFTPP.M (RTE Integrator)
Title :





Spectrum Information: Scan 2330

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.9	187072	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	32.5	174336	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	45.2	242368	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	535872	PASS
199	198	5	9	6.6	35448	PASS
275	198	10	30	22.4	120160	PASS
365	198	1	100	2.4	12831	PASS
441	443	0.01	100	73.1	65664	PASS
442	198	40	100	86.1	461248	PASS
443	442	17	23	19.5	89768	PASS

0708701.D DFTPP.M Tue Jul 12 16:46:05 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708701.D Vial: 1
Acq On : 8 Jul 2005 1:33 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:44:39 2005 Quant Results File: DFTPP.RES

Quant Method : C:\MSDCHEM\1\DATA\7070105\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Continuing Cal File: C:\MSDCHEM\1\DATA\7060305\0603701.D
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

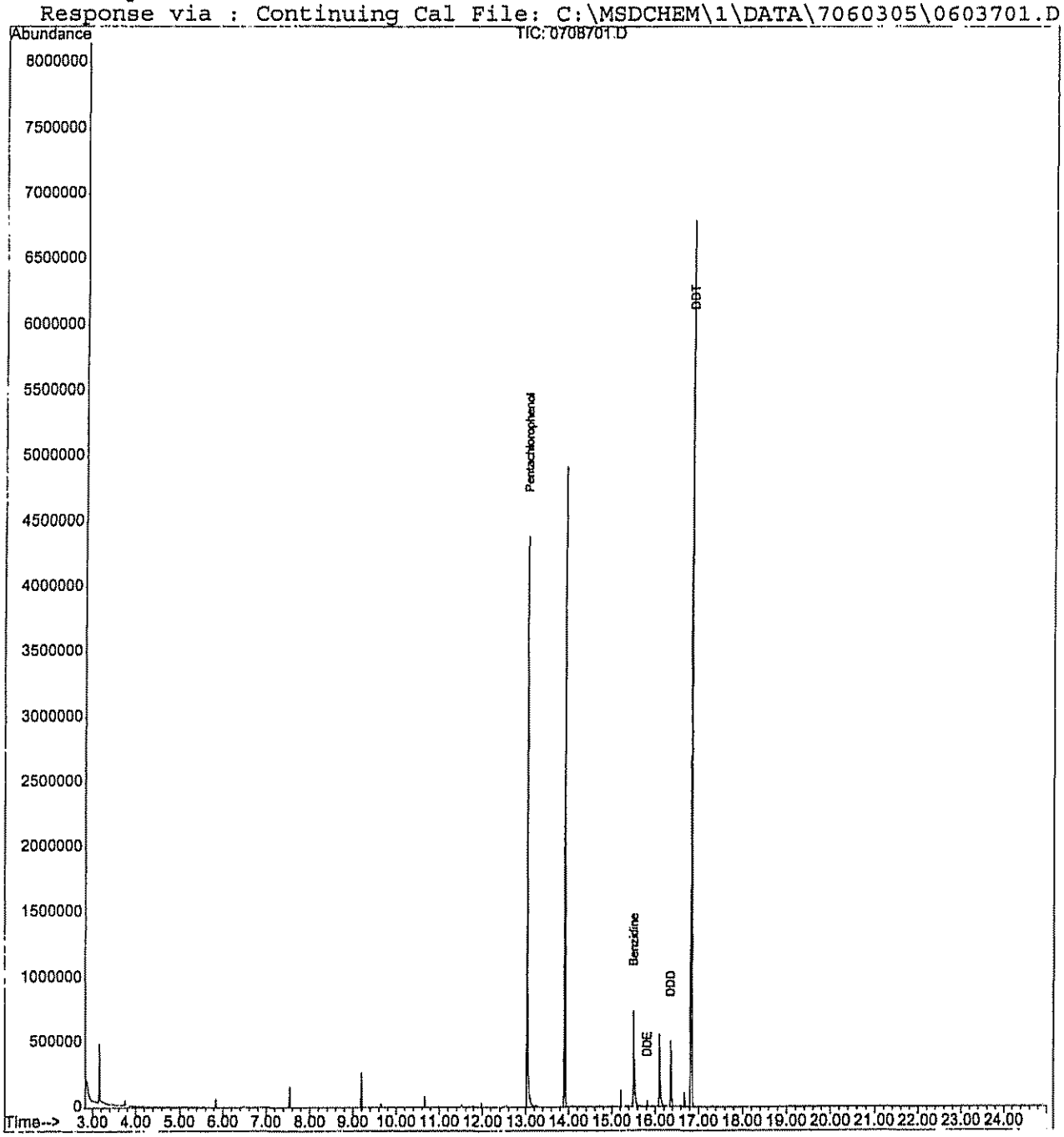
Target Compounds					Qvalue
1) Pentachlorophenol	13.04	TIC	6677297m	17.23	
2) Benzidine	15.51	TIC	1366097m	3.21	
3) DDT	16.84	TIC	10999634m	21.61	
4) DDD	16.35	TIC	572654m	15.36	
5) DDE	15.82	TIC	42238m	10.40	

(#) = qualifier out of range (m) = manual integration
0708701.D DFTPP.M Tue Jul 12 16:46:20 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708701.D Vial: 1
Acq On : 8 Jul 2005 1:33 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:45 2005 Quant Results File: DFTPP.RES

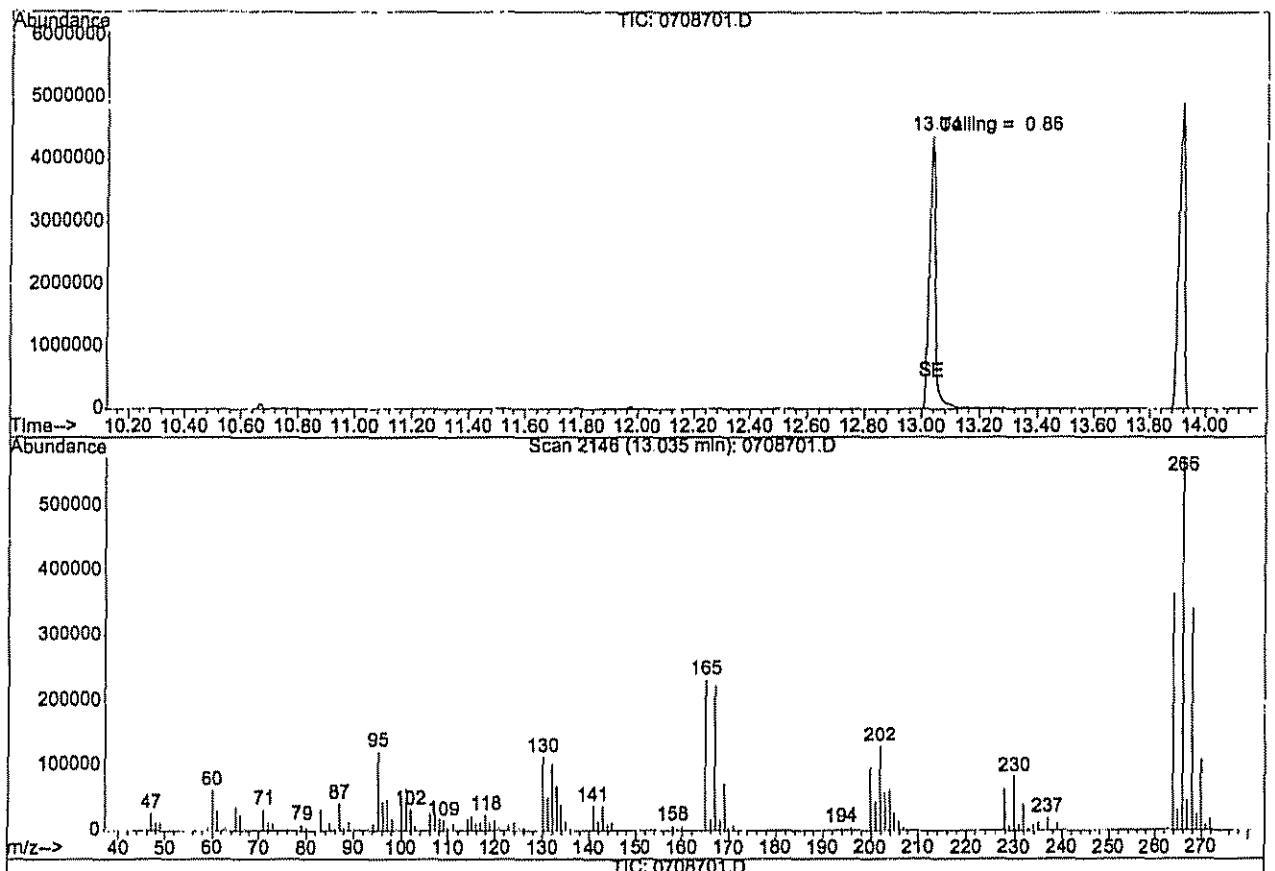
Method : C:\MSDCHEM\1\DATA\7070105\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Continuing Cal File: C:\MSDCHEM\1\DATA\7060305\0603701.D



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708701.D Vial: 1
Acq On : 8 Jul 2005 1:33 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:45 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070105\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Single Level Calibration



(1) Pentachlorophenol

13.04min 17.23 m

response 6677297

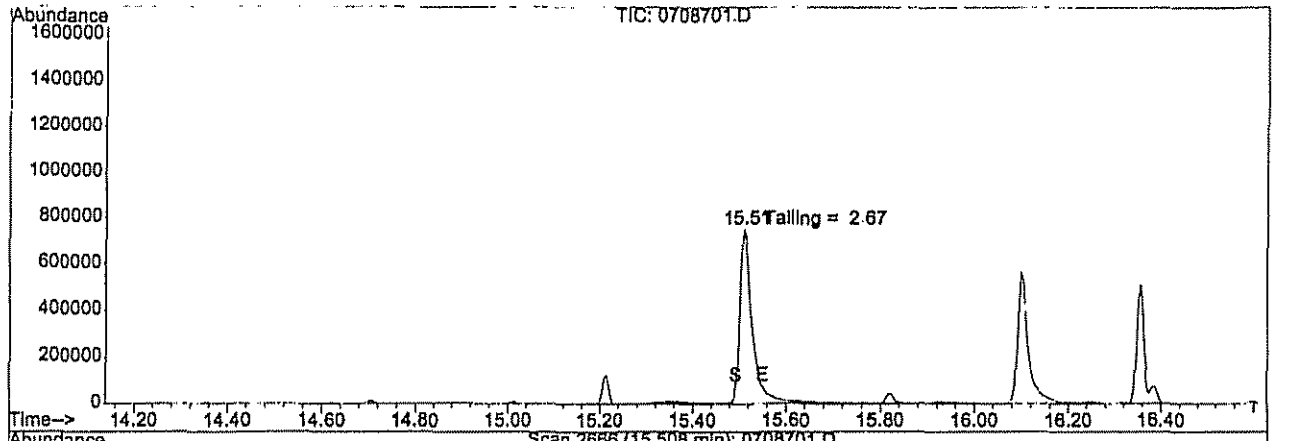
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

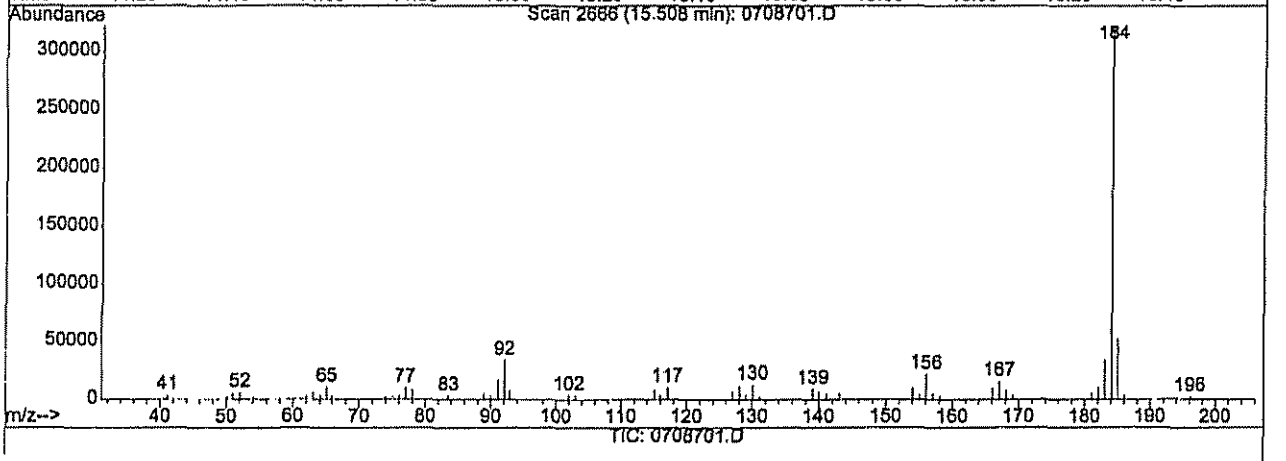
0708701.D DFTPP.M Tue Jul 12 16:46:37 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708701.D Vial: 1
Acq On : 8 Jul 2005 1:33 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:45 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070105\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Single Level Calibration





TIC: 0708701.D

(2) Benzidine

15.51min 3.21 m

response 1366097

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

0708701.D DFTPP.M Tue Jul 12 16:46:48 2005 ENV

DDT Breakdown Report

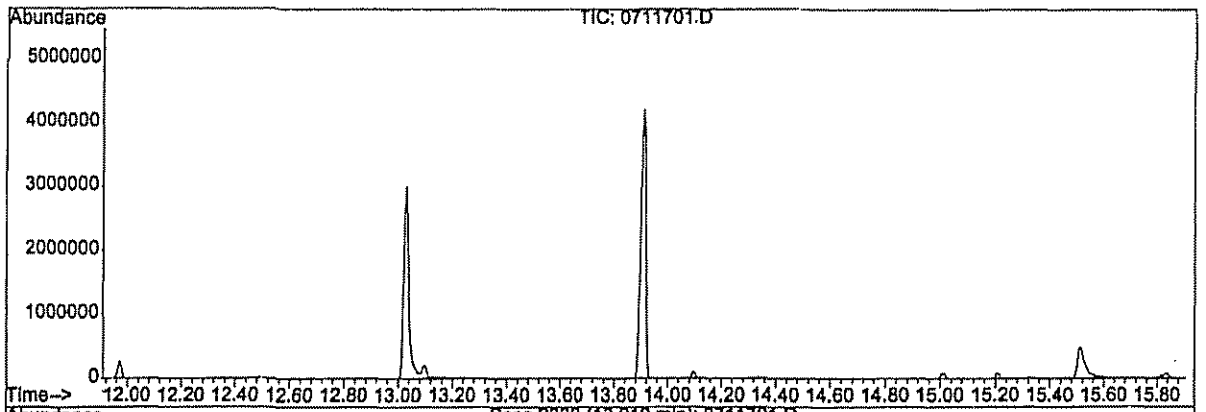
DFTPP TUNE

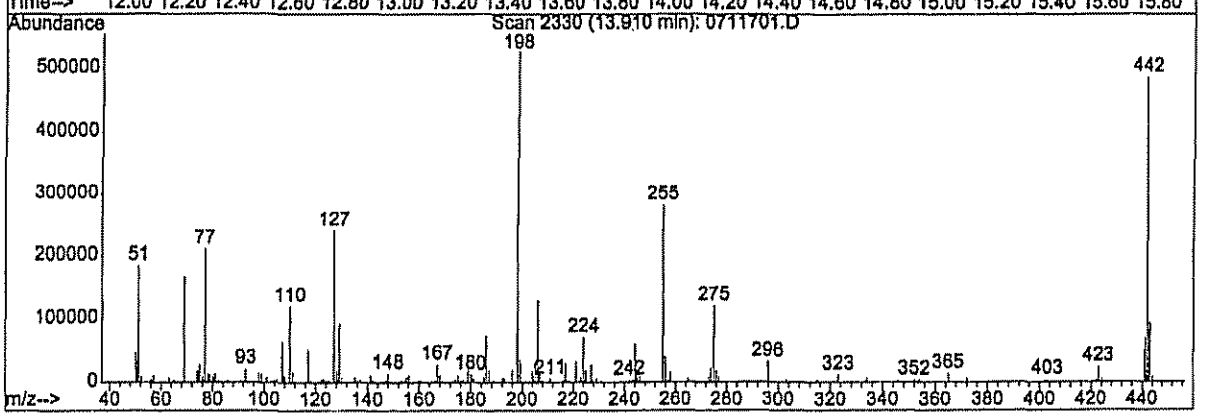
		Area
GCMS	DDT	10999634
	DDD	572654
	DDE	42238
	% Breakdown =	**5.29%**

Date: 07/08/05
Instrument: MSD7
File: 0708701.D

DFTPP

Data File : C:\MSDCHEM\1\DATA\7071105\0711701.D Vial: 1
Acq On : 11 Jul 2005 2:49 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\DATA\7071105\DFTPP.M (RTE Integrator)
Title :





Spectrum Information: Scan 2330

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.0	184448	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	31.7	166848	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	45.7	241024	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	526976	PASS
199	198	5	9	6.9	36104	PASS
275	198	10	30	22.8	120288	PASS
365	198	1	100	2.6	13457	PASS
441	443	0.01	100	73.1	68816	PASS
442	198	40	100	92.0	485056	PASS
443	442	17	23	19.4	94144	PASS

0711701.D DFTPP.M Wed Jul 13 10:19:04 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071105\0711701.D Vial: 1
Acq On : 11 Jul 2005 2:49 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 10:07:05 2005 Quant Results File: DFTPP.RES

Quant Method : C:\MSDCHEM\1\DATA\7071105\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Continuing Cal File: C:\MSDCHEM\1\DATA\7060305\0603701.D
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

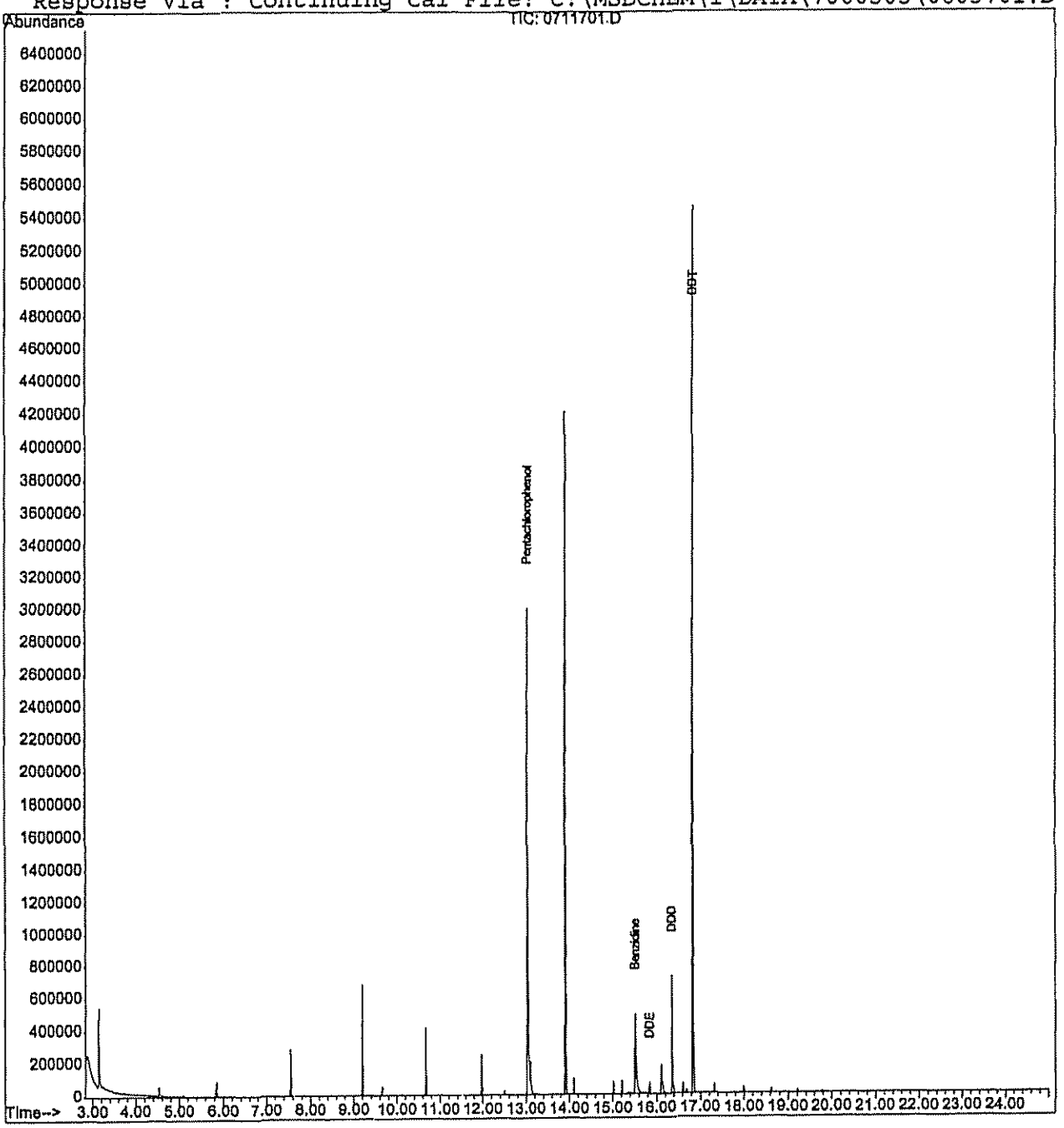
Target Compounds					Qvalue
1) Pentachlorophenol	13.03	TIC	4026470m	10.39	
2) Benzidine	15.51	TIC	1038095m	2.44	
3) DDT	16.84	TIC	7437180m	14.61	
4) DDD	16.35	TIC	819440m	21.98	
5) DDE	15.82	TIC	37378m	9.21	

(#) = qualifier out of range (m) = manual integration
0711701.D DFTPP.M Wed Jul 13 10:20:13 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071105\0711701.D Vial: 1
Acq On : 11 Jul 2005 2:49 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 10:19 2005 Quant Results File: DFTPP.RES

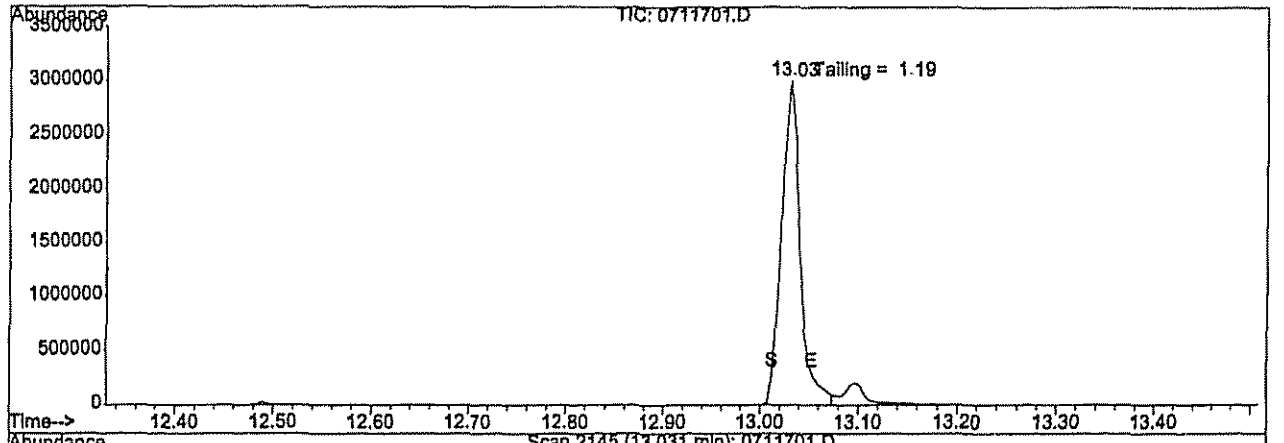
Method : C:\MSDCHEM\1\DATA\7071105\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Continuing Cal File: C:\MSDCHEM\1\DATA\7060305\0603701.D

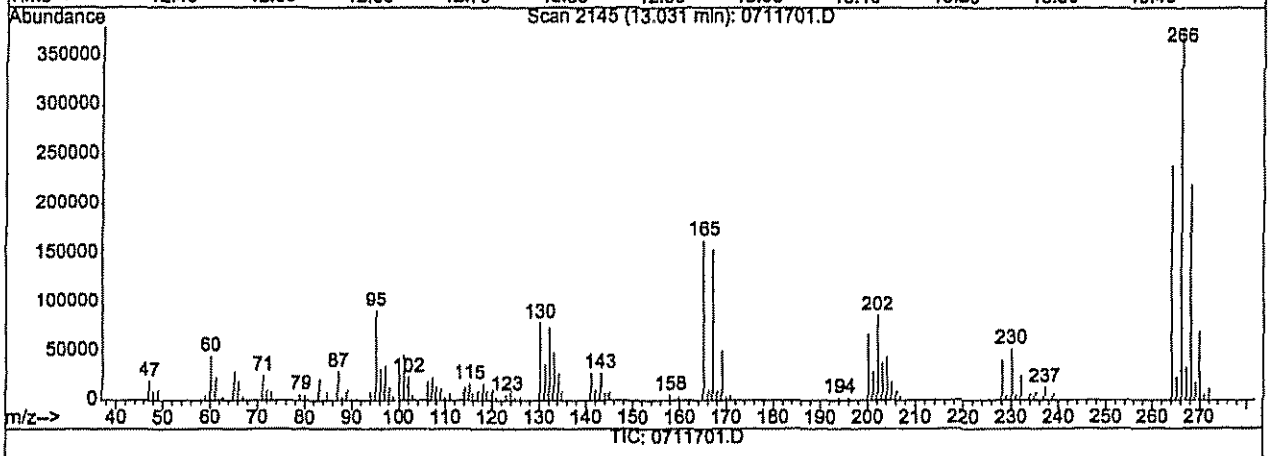


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071105\0711701.D Vial: 1
Acq On : 11 Jul 2005 2:49 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 10:19 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071105\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Single Level Calibration





TIC: 0711701.D

(1) Pentachlorophenol

13.03min 10.39 m

response 4026470

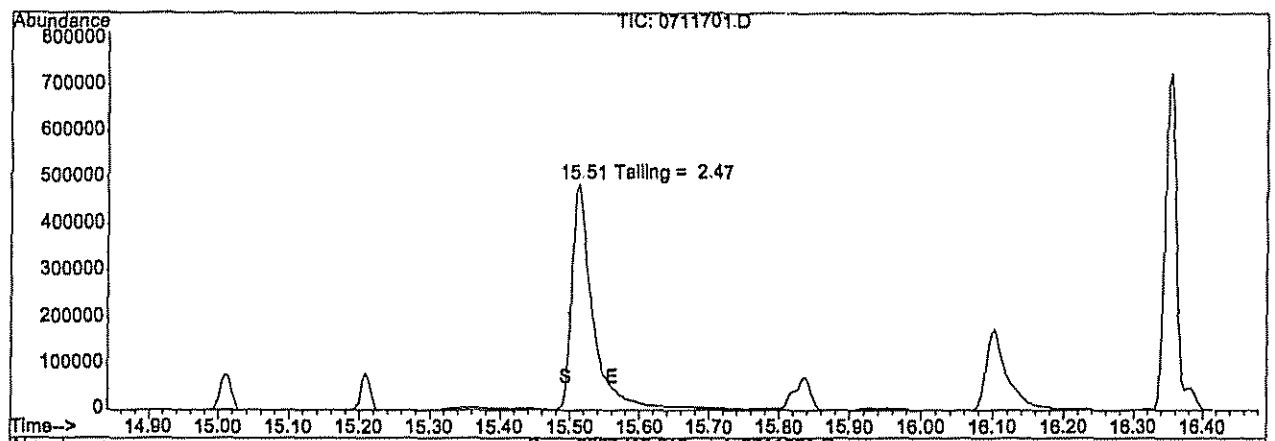
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

0711701.D DFTPP.M Wed Jul 13 10:20:29 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071105\0711701.D Vial: 1
Acq On : 11 Jul 2005 2:49 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 10:19 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071105\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Single Level Calibration



(2) Benzidine

15.51min 2.44 m

response 1038095

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

0711701.D DFTPP.M Wed Jul 13 10:20:40 2005 ENV

DDT Breakdown Report

DFTPP TUNE

		Area
GCMS	DDT	7437180
	DDD	819440
	DDE	37378
	% Breakdown =	**10.33%**

Date: 07/11/05
Instrument: MSD7
File: 0711701.D

8270-BN Calibration Raw Data

Initial Calibration Report
Paradigm Analytical Labs

Instrument ; MSD6
Method ; 8270.M
Matrix ; NA
Cal. Date ; 27 Jun 2005 9:03 pm
Last Modified ; Tue Jun 28 11:21:41 2005
Number of levels ; 8

Cal Files by ID
48 ; C:\HPCHEM\1\DATA\6062705\0627609.D
24 ; C:\HPCHEM\1\DATA\6062705\0627608.D
12 ; C:\HPCHEM\1\DATA\6062705\0627607.D
8 ; C:\HPCHEM\1\DATA\6062705\0627606.D
6 ; C:\HPCHEM\1\DATA\6062705\0627605.D
4 ; C:\HPCHEM\1\DATA\6062705\0627604.D
2 ; C:\HPCHEM\1\DATA\6062705\0627603.D
1 ; C:\HPCHEM\1\DATA\6062705\0627602.D

Calibration Level ID	48	24	12	8	6	4	2	1		
Concentration (ppb)	48.0	24.0	12.0	8.0	6.0	4.0	2.0	1.0	AvgRF	%RSD
Pyridine	0.905	0.945	1.025	0.784	0.872	0.574	0.390		0.785	28.768
N-Nitrosodimethylamine	0.635	0.687	0.670	0.666	0.697	0.665	0.688	0.633	0.668	3.555
Phenol	1.642	1.745	1.787	1.727	1.888	1.836	1.845	1.911	1.797	5.014
Bis(2-chloroethyl)ether	1.269	1.423	1.497	1.368	1.431	1.419	1.359	1.407	1.397	4.761
2-Chlorophenol	1.262	1.312	1.348	1.272	1.359	1.326	1.334	1.364	1.322	2.891
Benzyl Alcohol	0.909	0.939	0.963	0.902	0.967	0.915	0.906	0.855	0.919	3.959
1,3-Dichlorobenzene	1.207	1.253	1.303	1.255	1.383	1.345	1.323	1.380	1.306	4.887
1,4-Dichlorobenzene	1.249	1.316	1.340	1.290	1.390	1.376	1.368	1.403	1.341	3.979
1,2-Dichlorobenzene	1.114	1.158	1.211	1.171	1.287	1.237	1.233	1.272	1.210	4.876
2-Methylphenol	1.035	1.093	1.129	1.060	1.144	1.088	1.103	1.126	1.097	3.336
3-, 4-Methylphenol	1.555	1.582	1.620	1.528	1.676	1.579	1.562	1.620	1.590	2.936
Bis(2-chloroisopropyl)ether	1.543	1.618	1.647	1.584	1.704	1.674	1.661	1.725	1.644	3.690
N-Nitrosodi-n-propylamine	0.798	0.837	0.853	0.814	0.865	0.825	0.822	0.855	0.834	2.766
Hexachloroethane	0.516	0.532	0.545	0.513	0.561	0.532	0.529	0.516	0.531	3.048
2-Fluorophenol (surr)	1.001	1.029	1.056	1.024	1.033	1.044	0.989	0.956	1.017	3.228
Phenol-d6 (surr)	1.506	1.572	1.604	1.518	1.644	1.593	1.616	1.644	1.587	3.305
Nitrobenzene	0.371	0.387	0.408	0.383	0.409	0.392	0.406	0.397	0.394	3.425
Isophorone	0.547	0.575	0.603	0.569	0.608	0.574	0.581	0.597	0.582	3.480
2-Nitrophenol	0.162	0.170	0.179	0.176	0.185	0.186	0.225	0.182	0.183	10.216
2,4-Dimethylphenol	0.245	0.252	0.268	0.257	0.274	0.256	0.276	0.270	0.262	4.320
Benzoic Acid	0.204	0.200	0.199	0.176	0.178	0.152	0.133		0.177	15.115
Bis(2-chloroethoxy)methane	0.354	0.369	0.391	0.376	0.396	0.385	0.414	0.393	0.385	4.740
2,4-Dichlorophenol	0.250	0.261	0.277	0.261	0.279	0.266	0.273	0.255	0.265	3.928
1,2,4-Trichlorobenzene	0.255	0.267	0.284	0.271	0.290	0.279	0.294	0.299	0.280	5.270
Naphthalene	0.805	0.833	0.877	0.847	0.910	0.883	0.896	0.921	0.872	4.606
4-Chloroaniline	0.154	0.163	0.113	0.119	0.137	0.126	0.174	0.195	0.148	19.582
Hexachlorobutadiene	0.161	0.171	0.182	0.171	0.187	0.176	0.186	0.182	0.177	4.961
4-Chloro-3-methylphenol	0.312	0.320	0.331	0.318	0.332	0.307	0.307	0.278	0.313	5.483
2-Methylnaphthalene	0.584	0.597	0.622	0.603	0.645	0.624	0.658	0.644	0.622	4.163
Nitrobenzene-d5 (surr)	0.132	0.138	0.144	0.138	0.149	0.145	0.150	0.137	0.142	4.514
Hexachlorocyclopentadiene	0.173	0.148	0.156	0.155	0.153	0.128	0.114	0.104	0.141	16.766
2,4,6-Trichlorophenol	0.350	0.356	0.354	0.348	0.381	0.359	0.352	0.336	0.354	3.611
2,4,5-Trichlorophenol	0.363	0.364	0.383	0.370	0.389	0.373	0.362	0.348	0.369	3.452
2-Chloronaphthalene	0.933	0.936	0.981	0.961	1.034	1.006	1.015	1.022	0.986	4.000
2-Nitroaniline	0.362	0.374	0.372	0.356	0.396	0.368	0.350	0.332	0.364	5.229
3-Nitroaniline		0.083			0.096	0.091	0.126	0.120	0.103	18.415
1-Methylnaphthalene	0.941	0.930	0.968	0.939	1.032	0.999	1.017	1.020	0.981	4.184
Dimethylphthalate	1.105	1.131	1.154	1.130	1.237	1.174	1.188	1.219	1.167	3.925
Acenaphthylene	1.022	1.160	1.300	1.291	1.387	1.346	1.368	1.396	1.284	10.130
2,6-Dinitrotoluene	0.248	0.254	0.258	0.254	0.278	0.260	0.253	0.253	0.257	3.506
Acenaphthene	0.852	0.849	0.872	0.851	0.924	0.892	0.912	0.911	0.883	3.494
2,4-Dinitrophenol	0.159	0.153	0.161	0.149	0.154	0.138	0.139	0.140	0.149	6.097
4-Nitrophenol	0.192	0.183	0.187	0.172	0.173	0.154	0.151	0.131	0.168	12.504
Dibenzofuran	1.374	1.364	1.410	1.391	1.487	1.443	1.493	1.483	1.431	3.691
2,4-Dinitrotoluene	0.315	0.315	0.325	0.319	0.337	0.327	0.331	0.328	0.325	2.408
Fluorene	1.040	1.017	1.041	1.037	1.120	1.074	1.079	1.100	1.063	3.329
Diethylphthalate	1.036	1.052	1.086	1.045	1.124	1.090	1.092	1.107	1.079	2.919
4-Chlorophenyl phenyl ether	0.513	0.516	0.536	0.530	0.573	0.561	0.577	0.589	0.549	5.331
4-Nitroaniline			0.128	0.140	0.144	0.165	0.129	0.127	0.139	10.567
2-Fluorobiphenyl (surr)	1.054	1.062	1.097	1.073	1.166	1.156	1.155	1.203	1.121	4.988
2,4,6-Tribromophenol (surr)	0.126	0.122	0.123	0.121	0.123	0.115	0.105	0.102	0.117	7.493
4,6-Dinitro-2-methylphenol	0.144	0.146	0.155	0.147	0.162	0.144	0.133	0.131	0.145	6.980
Diphenylamine			0.338	0.373	0.432	0.431	0.454	0.473	0.417	12.217
4-bromophenyl phenyl ether	0.184	0.190	0.201	0.196	0.220	0.214	0.211	0.210	0.203	6.193
Hexachlorobenzene	0.179	0.184	0.189	0.190	0.209	0.209	0.212	0.225	0.200	8.135
Pentachlorophenol	0.150	0.151	0.156	0.152	0.154	0.146	0.138	0.127	0.147	6.515
Phenanthrene	0.890	0.929	0.982	0.963	1.043	1.023	1.024	1.071	0.990	6.162

Carbazole				0.642	0.639	0.731	0.830	0.786	0.725	11.760
Anthracene	0.837	0.846	0.925	0.918	0.969	0.959	0.947	0.984	0.923	5.944
Azobenzene	0.790	0.824	0.872	0.837	0.917	0.905	0.893	0.946	0.873	5.995
Di-n-Butylphthalate	1.065	1.145	1.183	1.149	1.274	1.233	1.234	1.229	1.189	5.673
Fluoranthene	0.941	0.986	1.048	1.018	1.111	1.063	1.088	1.078	1.042	5.463
alpha-BHC	0.132	0.146	0.157	0.155	0.171	0.163	0.166	0.171	0.158	8.453
beta-BHC	0.118	0.130	0.131	0.129	0.141	0.140	0.132	0.132	0.132	5.356
gamma-BHC	0.118	0.126	0.136	0.132	0.142	0.139	0.138	0.146	0.135	6.668
delta-BHC	0.110	0.121	0.126	0.122	0.134	0.128	0.129	0.149	0.128	8.745
Heptachlor	0.139	0.147	0.154	0.151	0.158	0.153	0.154	0.143	0.150	4.278
Aldrin	0.148	0.165	0.174	0.169	0.189	0.179	0.179	0.182	0.173	7.346
Heptachlor Epoxide	0.049	0.050	0.051	0.052	0.057	0.054	0.054	0.051	0.052	4.628
Endosulfan I	0.035	0.041	0.045	0.044	0.046	0.049	0.047	0.040	0.043	10.499
4,4'-DDE	0.216	0.234	0.245	0.243	0.260	0.252	0.253	0.253	0.245	5.736
Dieldrin	0.191	0.208	0.221	0.216	0.233	0.235	0.232	0.245	0.223	7.856
Endrin	0.036	0.039	0.042	0.039	0.042	0.039	0.038	0.033	0.038	7.960
Endosulfan II	Not Calibrated									
4,4'-DDD	0.346	0.383	0.402	0.403	0.438	0.425	0.435	0.448	0.410	8.267
Endosulfan Sulfate		0.046	0.052	0.053	0.059	0.056	0.058	0.054	0.054	7.986
4,4'-DDT	0.259	0.302	0.323	0.324	0.344	0.330	0.324	0.339	0.318	8.457
Endrin Aldehyde	Not Calibrated									
Endrin Ketone	0.033	0.039	0.043	0.040	0.045	0.043	0.042	0.034	0.040	11.308
Methoxychlor	0.482	0.591	0.656	0.646	0.719	0.655	0.648	0.609	0.626	11.080
Pyrene	1.626	1.459	1.439	1.354	1.470	1.456	1.571	1.622	1.500	6.460
Butylbenzylphthalate	0.721	0.726	0.720	0.665	0.713	0.715	0.736	0.676	0.709	3.498
Benzo[a]anthracene	1.061	1.060	1.097	1.023	1.123	1.112	1.061	1.099	1.080	3.106
3,3'-Dichlorobenzidine	0.187	0.160	0.145	0.114	0.115	0.102	0.096	0.129	0.131	23.885
Chrysene	1.016	1.016	1.073	0.995	1.079	1.070	1.068	1.120	1.055	3.960
Bis(2-ethylhexyl)phthalate	0.910	0.912	0.935	0.845	0.947	0.948	0.940	0.905	0.918	3.689
4-Terphenyl-d14 (surr)	1.107	0.977	0.979	0.912	0.985	0.969	1.028	1.044	1.000	5.864
Di-n-octylphthalate	2.313	2.534	2.581	2.174	2.124	2.048	1.986	1.661	2.178	13.792
Benzo[b]fluoranthene	1.240	1.401	1.345	1.231	1.248	1.188	1.038	1.005	1.212	11.245
Benzo[k]fluoranthene	1.183	1.369	1.442	1.403	1.427	1.322	1.462	1.283	1.361	6.932
Benzo[a]pyrene	1.023	1.092	1.084	0.977	0.977	0.959	0.819	0.756	0.961	12.356
Indeno(1,2,3-c,d)pyrene	0.693	0.584	0.461	0.377	0.407	0.307	0.216	0.227	0.409	40.879
Dibenzo[a,h]anthracene	0.640	0.555	0.505	0.423	0.427	0.344	0.221	0.078	0.399	45.646
Benzo[g,h,i]perylene	0.707	0.650	0.626	0.564	0.602	0.577	0.481	0.362	0.571	18.818

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627602.D Vial: 9
Acq On : 27 Jun 2005 5:02 pm Operator: MRC
Sample : SVCAL1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:02 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 27 14:14:24 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MRC 06/29/04

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.22	152	245585	4.00 ug/mL	0.00
18) Naphthalene-D8	9.14	136	987464	4.00 ug/mL	0.00
33) Acenaphthene-d10	11.93	164	554019	4.00 ug/mL	0.00
55) Phenanthrene-D10	14.31	188	759315	4.00 ug/mL	0.00
85) Chrysene-D12	18.56	240	516455	4.00 ug/mL	-0.01
93) Perylene-D12	20.92	264	342970	4.00 ug/mL	0.00
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	5.40	112	58686	0.93 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 9.30%	
17) Phenol-d6 (surr)	6.69	99	100944	1.05 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 10.50%	
32) Nitrobenzene-d5 (surr)	8.04	128	33814	1.01 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 10.10%	
53) 2-Fluorobiphenyl (surr)	10.87	172	166581	1.18 ug/mL	-0.01
Spiked Amount 10.000			Recovery	= 11.80%	
54) 2,4,6-Tribromophenol (surr	13.19	330	14163	0.87 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 8.70%	
92) 4-Terphenyl-d14 (surr)	16.91	244	134779	0.98 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 9.80%	
Target Compounds					Qvalue
2) Pyridine	0.00	79	0	N.D. d	
3) N-Nitrosodimethylamine	3.79	74	38869	0.90 ug/mL	92
4) Phenol	6.71	94	117327	1.12 ug/mL	92
5) Bis(2-chloroethyl)ether	6.85	93	86356	0.99 ug/mL	89
6) 2-Chlorophenol	6.91	128	83773	1.05 ug/mL	95
7) Benzyl Alcohol	7.43	108	52481	0.91 ug/mL	98
8) 1,3-Dichlorobenzene	7.13	146	84719	1.10 ug/mL#	94
9) 1,4-Dichlorobenzene	7.24	146	86151	1.08 ug/mL	94
10) 1,2-Dichlorobenzene	7.46	146	78075	1.10 ug/mL	97
11) 2-Methylphenol	7.60	107	69146	1.04 ug/mL	94
12) 3-, 4-Methylphenol	7.83	107	99457	1.02 ug/mL	95
13) Bis(2-chloroisopropyl)ethe	7.64	45	105889	1.04 ug/mL	97
14) N-Nitrosodi-n-propylamine	7.83	70	52516	0.99 ug/mL	94
15) Hexachloroethane	7.96	117	31702	0.95 ug/mL#	91
19) Nitrobenzene	8.07	77	97935	1.05 ug/mL#	93
20) Isophorone	8.44	82	147391	1.04 ug/mL	96
21) 2-Nitrophenol	8.56	139	44847	1.10 ug/mL#	78
22) 2,4-Dimethylphenol	8.64	122	66687	1.10 ug/mL	92
23) Benzoic Acid	8.73	122	26403	0.56 ug/mL	97
24) Bis(2-chloroethoxy)methane	8.79	93	97121	1.08 ug/mL	98

(#) = qualifier out of range (m) = manual integration
0627602.D 8270.M Tue Jun 28 11:29:02 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627602.D Vial: 9
Acq On : 27 Jun 2005 5:02 pm Operator: MRC
Sample : SVCAL1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:02 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 27 14:14:24 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	8.92	162	62993	1.01 ug/mL	94
26) 1,2,4-Trichlorobenzene	9.06	180	73728	1.16 ug/mL	100
27) Naphthalene	9.17	128	227454	1.14 ug/mL	97
28) 4-Chloroaniline	9.28	127	48242	1.81 ug/mL	96
29) Hexachlorobutadiene	9.39	225	44855	1.12 ug/mL	95
30) 4-Chloro-3-methylphenol	10.05	107	68700	0.89 ug/mL	96
31) 2-Methylnaphthalene	10.27	142	158951	1.10 ug/mL	99
34) Hexachlorocyclopentadiene	10.54	237	14351	0.66 ug/mL#	94
35) 2,4,6-Trichlorophenol	10.73	196	46535	0.99 ug/mL	97
36) 2,4,5-Trichlorophenol	10.78	196	48243	1.00 ug/mL	93
37) 2-Chloronaphthalene	11.04	162	141576	1.14 ug/mL	96
38) 2-Nitroaniline	11.22	65	45948	0.95 ug/mL	96
39) 3-Nitroaniline	11.89	138	16686	4.81 ug/mL#	85
40) 1-Methylnaphthalene	10.42	142	141253	1.13 ug/mL	97
41) Dimethylphthalate	11.54	163	168826	1.12 ug/mL	97
42) Acenaphthylene	11.70	152	193296	1.27 ug/mL	99
43) 2,6-Dinitrotoluene	11.62	165	35037	1.03 ug/mL#	86
44) Acenaphthene	11.98	153	126212	1.11 ug/mL	97
45) 2,4-Dinitrophenol	12.07	184	19432	1.02 ug/mL	93
46) 4-Nitrophenol	12.16	109	18149	0.76 ug/mL	96
47) Dibenzofuran	12.27	168	205408	1.14 ug/mL	98
48) 2,4-Dinitrotoluene	12.26	165	45416	1.09 ug/mL#	88
49) Fluorene	12.81	166	152312	1.12 ug/mL	97
50) Diethylphthalate	12.68	149	153338	1.11 ug/mL	97
51) 4-Chlorophenyl phenyl ethe	12.83	204	81596	1.20 ug/mL	94
52) 4-Nitroaniline	12.86	138	17637	1.70 ug/mL#	69
56) 4,6-Dinitro-2-methylphenol	12.91	198	24880	0.91 ug/mL	97
57) Diphenylamine	13.02	169	89719	1.84 ug/mL	98
58) 4-bromophenyl phenyl ether	13.61	248	39851	1.10 ug/mL	93
59) Hexachlorobenzene	13.70	284	42754	1.21 ug/mL	93
60) Pentachlorophenol	14.02	266	24196	0.86 ug/mL	93
61) Phenanthrene	14.35	178	203219	1.16 ug/mL	98
62) Carbazole	14.70	167	149245	4.52 ug/mL	96
63) Anthracene	14.43	178	186863	1.15 ug/mL	97
64) Azobenzene	13.08	77	179594	1.13 ug/mL	99
65) Di-n-Butylphthalate	15.33	149	233247	1.12 ug/mL	99
66) Fluoranthene	16.26	202	204595	1.15 ug/mL#	96
67) alpha-BHC	13.63	183	32483	1.18 ug/mL	97
68) beta-BHC	13.96	181	25062	1.08 ug/mL	94
69) gamma-BHC	14.11	183	27671	1.16 ug/mL	96
70) delta-BHC	14.47	183	28267	1.31 ug/mL	84

(#) = qualifier out of range (m) = manual integration
0627602.D 8270.M Tue Jun 28 11:29:03 2005 ENV Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627602.D
Acq On : 27 Jun 2005 5:02 pm
Sample : SVCAL1
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:02 2005

Vial: 9
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 27 14:14:24 2005
Response via : Initial Calibration
DataAcq Meth : 8270

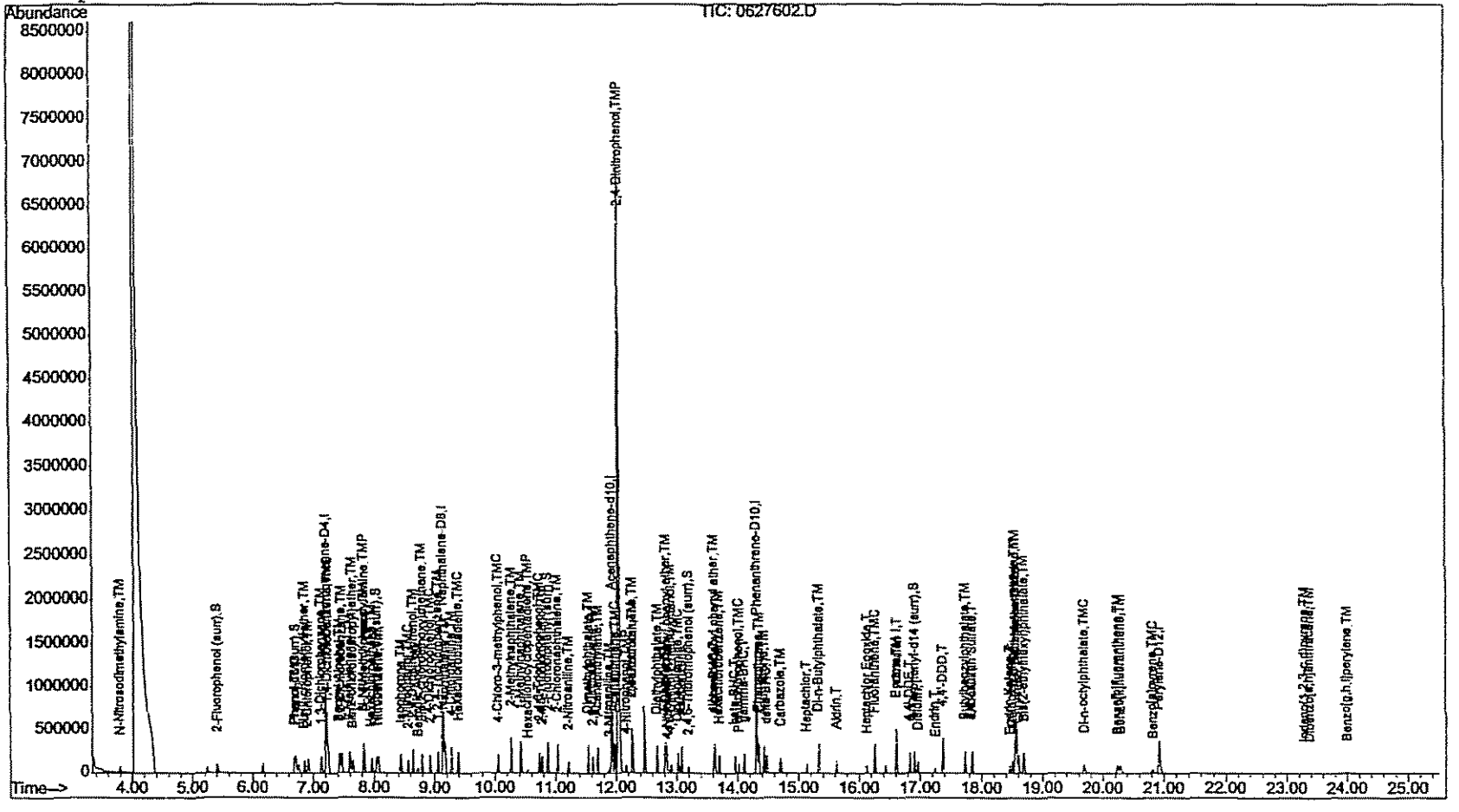
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.13	100	27211	0.93 ug/mL	97
72)	Aldrin	15.62	66	34574	1.11 ug/mL	99
73)	Heptachlor Epoxide	16.13	353	9740	1.04 ug/mL	96
74)	Endosulfan I	16.62	195	7561	1.05 ug/mL#	50
75)	4,4'-DDE	16.84	246	48085	1.16 ug/mL	99
76)	Dieldrin	16.97	79	46489	1.21 ug/mL	97
77)	Endrin	17.24	263	6184	0.88 ug/mL	88
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.37	235	85094	1.27 ug/mL#	96
80)	Endosulfan Sulfate	17.84	272	10162	1.52 ug/mL#	71
81)	4,4'-DDT	17.85	235	64379	1.23 ug/mL	100
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.46	317	6374	1.01 ug/mL	88
84)	Methoxychlor	18.51	227	115554	1.14 ug/mL	98
86)	Pyrene	16.61	202	209487	1.04 ug/mL	97
87)	Butylbenzylphthalate	17.73	149	87252	0.91 ug/mL	92
88)	Benzo[a]anthracene	18.54	228	141884	1.03 ug/mL	97
89)	3,3'-Dichlorobenzidine	18.54	252	16617	0.84 ug/mL#	96
90)	Chrysene	18.60	228	144598	1.10 ug/mL	95
91)	Bis(2-ethylhexyl)phthalate	18.69	149	116786	0.92 ug/mL	99
94)	Di-n-octylphthalate	19.68	149	142403	0.60 ug/mL	100
95)	Benzo[b]fluoranthene	20.24	252	86132	0.71 ug/mL#	95
96)	Benzo[k]fluoranthene	20.28	252	109968m	0.95 ug/mL	
97)	Benzo[a]pyrene	20.81	252	64851	0.68 ug/mL#	89
98)	Indeno(1,2,3-c,d)pyrene	23.28	276	19439m	0.34 ug/mL	
99)	Dibenzo[a,h]anthracene	23.36	278	6719	0.12 ug/mL#	55
100)	Benzo[g,h,i]perylene	23.98	276	31005m	0.50 ug/mL	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6062705\0627602.D Vial: 9
Acq On : 27 Jun 2005 5:02 pm Operator: MRC
Sample : SVCAL1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:02 2005 Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration

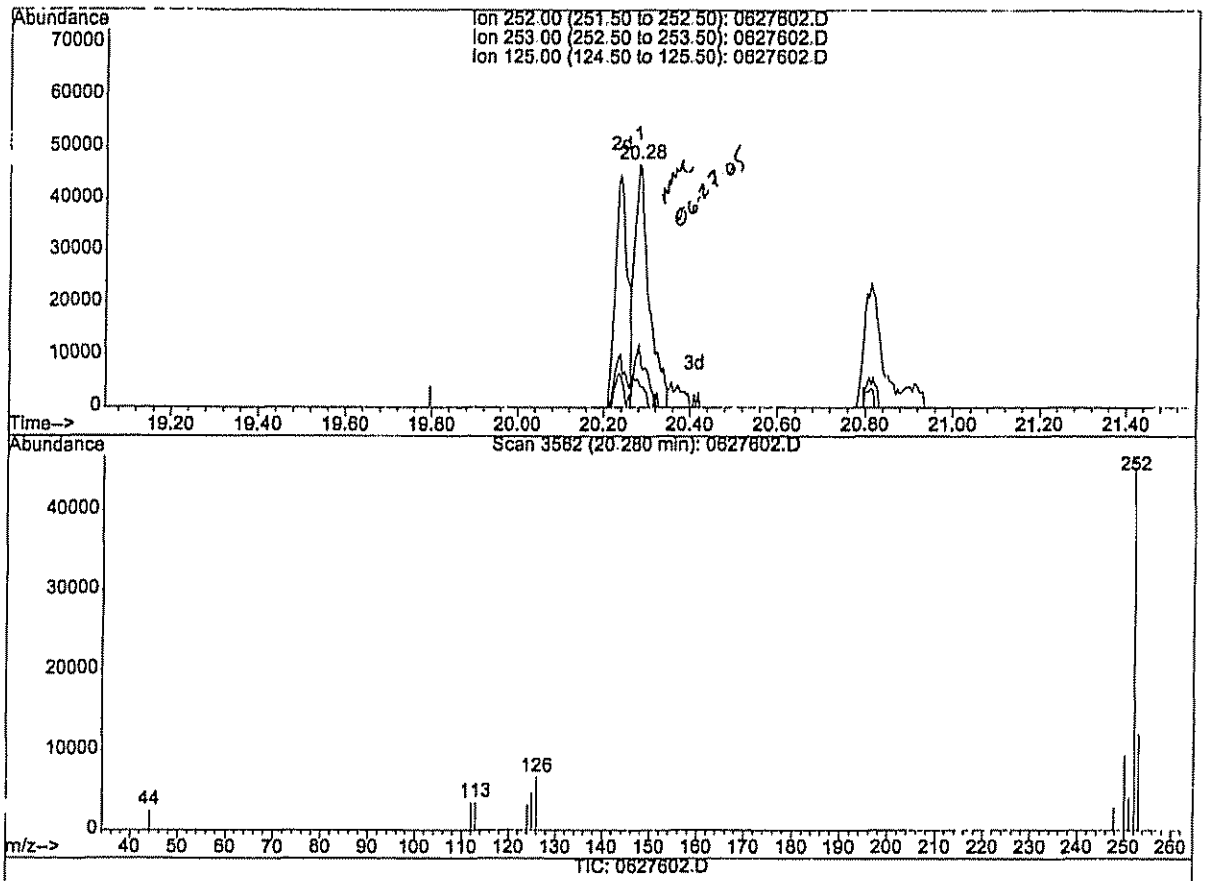


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627602.D
Acq On : 27 Jun 2005 5:02 pm
Sample : SVCAL1
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:02 2005

Vial: 9
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 27 14:14:24 2005
Response via : Multiple Level Calibration



(96) Benzo[k]fluoranthene (TM)

20.28min 0.95ug/mL m

response 109968

Ion	Exp%	Act%
252.00	100	100
253.00	20.80	25.89#
125.00	9.40	10.30
0.00	0.00	0.00

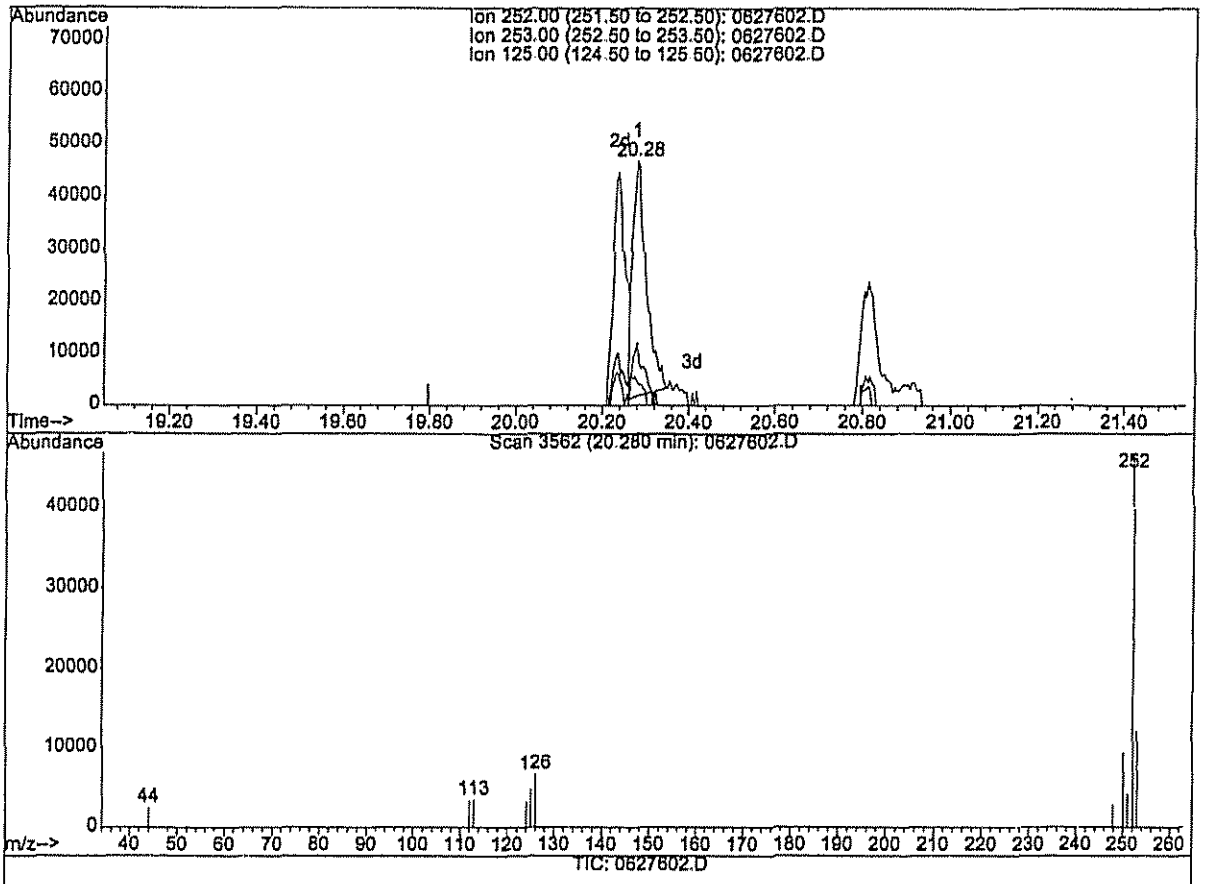
0627602.D 8270.M Tue Jun 28 11:02:20 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627602.D
Acq On : 27 Jun 2005 5:02 pm
Sample : SVCAL1
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:01 2005

Vial: 9
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 27 14:14:24 2005
Response via : Multiple Level Calibration



(96) Benzo[k]fluoranthene (TM)

20.28min 0.84ug/mL

response 97924

Ion	Exp%	Act%
252.00	100	100
253.00	20.80	27.95#
125.00	9.40	11.12
0.00	0.00	0.00

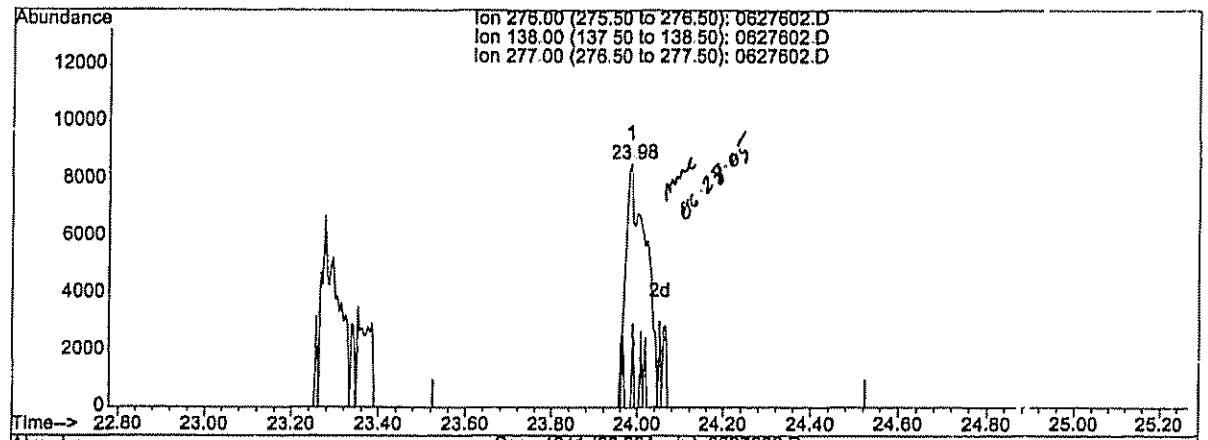
0627602.D 8270.M Tue Jun 28 11:02:15 2005 ENV

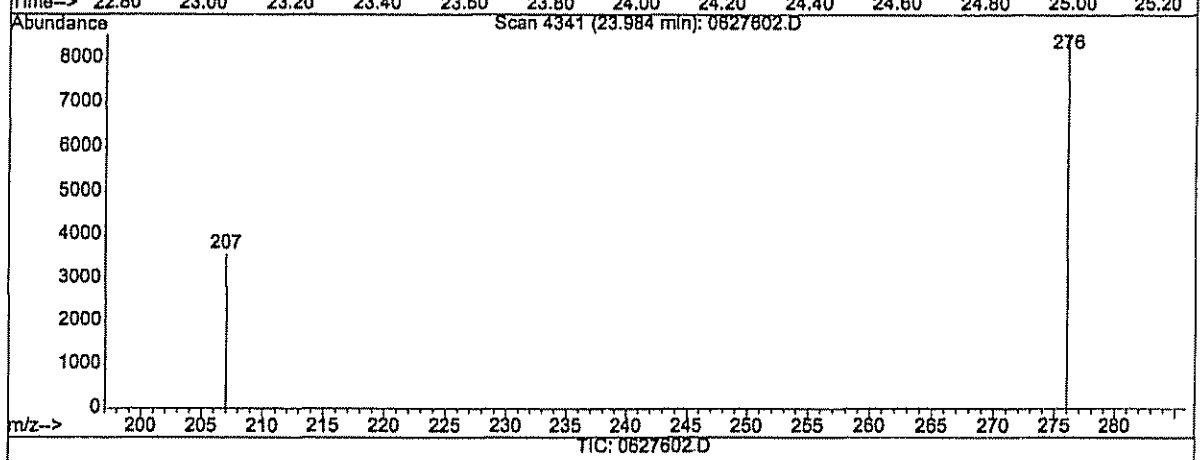
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627602.D
Acq On : 27 Jun 2005 5:02 pm
Sample : SVCAL1
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:02 2005

Vial: 9
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 27 14:14:24 2005
Response via : Multiple Level Calibration





(100) Benzo[g,h,i]perylene (TM)

23.98min 0.50ug/mL m

response 31005

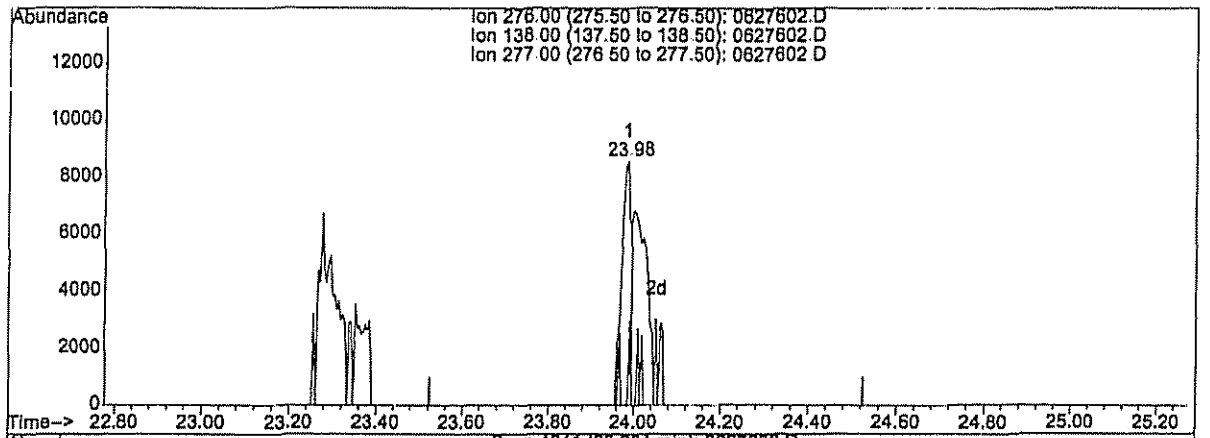
Ion	Exp%	Act%
276.00	100	100
138.00	24.60	0.00#
277.00	24.50	0.00#
0.00	0.00	0.00

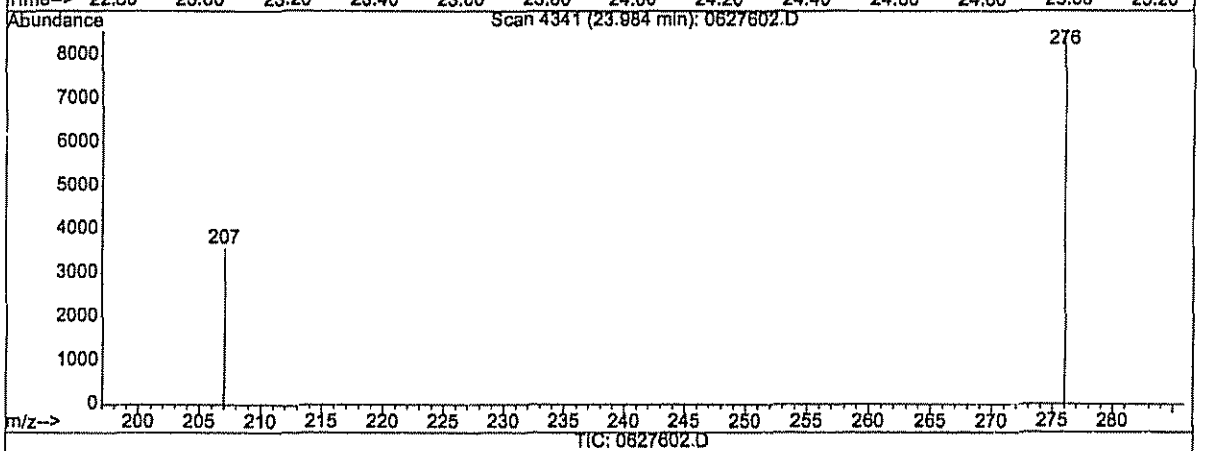
0627602.D 8270.M Tue Jun 28 11:02:40 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627602.D Vial: 9
Acq On : 27 Jun 2005 5:02 pm Operator: MRC
Sample : SVCAL1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:02 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 27 14:14:24 2005
Response via : Multiple Level Calibration





TIC: 0627602.D

(100) Benzo[g,h,i]perylene (TM)

23.98min 0.22ug/mL

response 13397

Ion	Exp%	Act%
276.00	100	100
138.00	24.60	0.00#
277.00	24.50	0.00#
0.00	0.00	0.00

0627602.D 8270.M Tue Jun 28 11:02:37 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627603.D Vial: 8
Acq On : 27 Jun 2005 5:36 pm Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:04 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:02:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MMC 06-28-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.22	152	263917	4.00	ug/mL	0.00
18) Naphthalene-D8	9.14	136	1023442	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.93	164	589875	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.31	188	844808	4.00	ug/mL	0.00
85) Chrysene-D12	18.56	240	568454	4.00	ug/mL	0.00
93) Perylene-D12	20.92	264	365268	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.41	112	130500	1.98	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	19.80%	
17) Phenol-d6 (surr)	6.69	99	213226	2.03	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	20.30%	
32) Nitrobenzene-d5 (surr)	8.04	128	76748	2.21	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	22.10%	
53) 2-Fluorobiphenyl (surr)	10.87	172	340641	2.14	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	21.40%	
54) 2,4,6-Tribromophenol (surr	13.20	330	31053	1.88	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	18.80%	
92) 4-Terphenyl-d14 (surr)	16.91	244	292162	1.95	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	19.50%	
Target Compounds						Qvalue
2) Pyridine	3.88	79	51443	0.67	ug/mL#	49
3) N-Nitrosodimethylamine	3.80	74	90758	2.03	ug/mL	93
4) Phenol	6.71	94	243421	2.08	ug/mL	98
5) Bis(2-chloroethyl)ether	6.85	93	179275	1.92	ug/mL	99
6) 2-Chlorophenol	6.91	128	176016	2.01	ug/mL	99
7) Benzyl Alcohol	7.43	108	119587	1.98	ug/mL	96
8) 1,3-Dichlorobenzene	7.13	146	174567	2.04	ug/mL	97
9) 1,4-Dichlorobenzene	7.24	146	180498	2.05	ug/mL	99
10) 1,2-Dichlorobenzene	7.46	146	162716	2.07	ug/mL	96
11) 2-Methylphenol	7.60	107	145543	2.01	ug/mL	91
12) 3-, 4-Methylphenol	7.82	107	206115	1.95	ug/mL	97
13) Bis(2-chloroisopropyl)ethe	7.64	45	219249	1.98	ug/mL	98
14) N-Nitrosodi-n-propylamine	7.84	70	108415	1.91	ug/mL#	93
15) Hexachloroethane	7.96	117	69849	1.98	ug/mL	98
19) Nitrobenzene	8.07	77	207503	2.11	ug/mL	98
20) Isophorone	8.44	82	297462	2.00	ug/mL	99
21) 2-Nitrophenol	8.56	139	115035	2.63	ug/mL	98
22) 2,4-Dimethylphenol	8.64	122	140986	2.17	ug/mL	94
23) Benzoic Acid	8.75	122	68181	1.63	ug/mL	96
24) Bis(2-chloroethoxy)methane	8.79	93	211607	2.22	ug/mL	97

(#) = qualifier out of range (m) = manual integration
0627603.D 8270.M Tue Jun 28 11:29:14 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627603.D Vial: 8
Acq On : 27 Jun 2005 5:36 pm Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:04 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:02:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	8.92	162	139924	2.16 ug/mL	98
26) 1,2,4-Trichlorobenzene	9.06	180	150388	2.17 ug/mL	98
27) Naphthalene	9.17	128	458539	2.12 ug/mL	99
28) 4-Chloroaniline	9.28	127	88865m	2.53 ug/mL	
29) Hexachlorobutadiene	9.39	225	95054	2.21 ug/mL	96
30) 4-Chloro-3-methylphenol	10.05	107	157067	2.03 ug/mL	98
31) 2-Methylnaphthalene	10.27	142	336656	2.18 ug/mL	97
34) Hexachlorocyclopentadiene	10.53	237	33607	1.65 ug/mL	97
35) 2,4,6-Trichlorophenol	10.73	196	103723	2.07 ug/mL	95
36) 2,4,5-Trichlorophenol	10.77	196	106753	2.08 ug/mL	94
37) 2-Chloronaphthalene	11.04	162	299422	2.17 ug/mL	95
38) 2-Nitroaniline	11.21	65	103102	2.04 ug/mL	95
39) 3-Nitroaniline	11.89	138	37233	4.44 ug/mL#	91
40) 1-Methylnaphthalene	10.42	142	299835	2.16 ug/mL	99
41) Dimethylphthalate	11.54	163	350461	2.10 ug/mL	99
42) Acenaphthylene	11.69	152	403481	2.28 ug/mL	100
43) 2,6-Dinitrotoluene	11.62	165	74754	2.05 ug/mL	98
44) Acenaphthene	11.98	153	268859	2.14 ug/mL	99
45) 2,4-Dinitrophenol	12.07	184	40881	2.01 ug/mL#	72
46) 4-Nitrophenol	12.16	109	44426	1.90 ug/mL	85
47) Dibenzofuran	12.27	168	440303	2.19 ug/mL	100
48) 2,4-Dinitrotoluene	12.27	165	97634	2.14 ug/mL	90
49) Fluorene	12.81	166	318341	2.12 ug/mL	99
50) Diethylphthalate	12.68	149	322116	2.11 ug/mL	99
51) 4-Chlorophenyl phenyl ethe	12.83	204	170104	2.21 ug/mL	96
52) 4-Nitroaniline	12.87	138	38013	2.79 ug/mL#	66
56) 4,6-Dinitro-2-methylphenol	12.91	198	56387	1.91 ug/mL	91
57) Diphenylamine	13.03	169	191914	2.77 ug/mL	97
58) 4-bromophenyl phenyl ether	13.62	248	89293	2.15 ug/mL	96
59) Hexachlorobenzene	13.70	284	89393	2.13 ug/mL	95
60) Pentachlorophenol	14.02	266	58338	1.95 ug/mL	97
61) Phenanthrene	14.35	178	432366	2.11 ug/mL	94
62) Carbazole	14.70	167	350461	4.39 ug/mL	97
63) Anthracene	14.43	178	399975	2.11 ug/mL	99
64) Azobenzene	13.08	77	377403	2.05 ug/mL	99
65) Di-n-Butylphthalate	15.33	149	521384	2.16 ug/mL	99
66) Fluoranthene	16.26	202	459492	2.21 ug/mL	98
67) alpha-BHC	13.63	183	70292	2.16 ug/mL	94
68) beta-BHC	13.96	181	55965	2.11 ug/mL	97
69) gamma-BHC	14.11	183	58174	2.08 ug/mL	96
70) delta-BHC	14.47	183	54565	2.06 ug/mL	98

(#) = qualifier out of range (m) = manual integration
0627603.D 8270.M Tue Jun 28 11:29:15 2005 ENV Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627603.D
Acq On : 27 Jun 2005 5:36 pm
Sample : SVCAL2
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:04 2005

Vial: 8
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:02:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

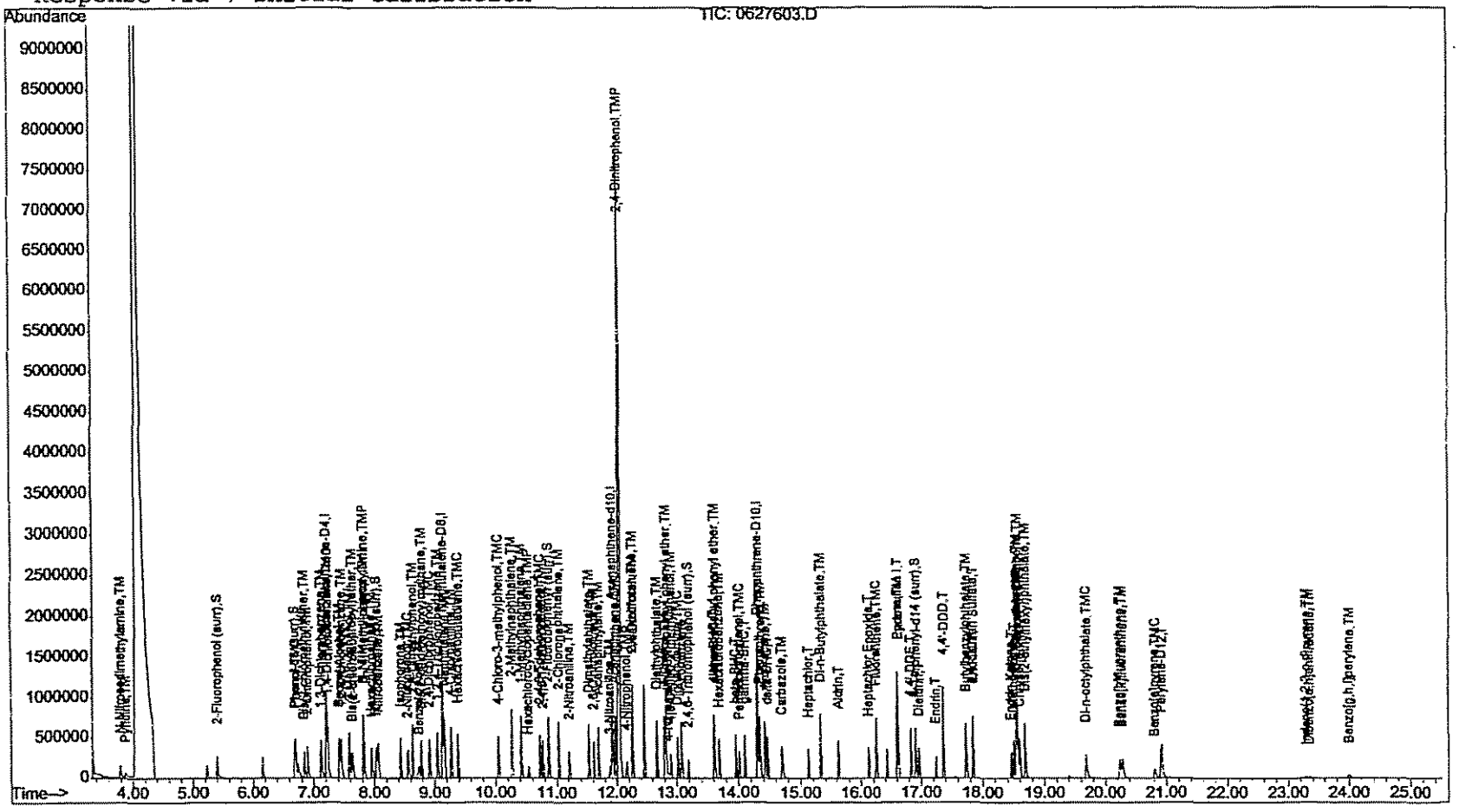
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.13	100	65159	2.05 ug/mL	100
72)	Aldrin	15.62	66	75787	2.11 ug/mL	97
73)	Heptachlor Epoxide	16.13	353	23009	2.18 ug/mL	91
74)	Endosulfan I	16.62	195	19818	2.44 ug/mL#	71
75)	4,4'-DDE	16.84	246	107024	2.20 ug/mL	99
76)	Dieldrin	16.96	79	97896	2.14 ug/mL	100
77)	Endrin	17.25	263	16090	2.15 ug/mL	99
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.37	235	183602	2.26 ug/mL#	97
80)	Endosulfan Sulfate	17.84	272	24552	2.82 ug/mL	95
81)	4,4'-DDT	17.85	235	137028	2.19 ug/mL	97
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.46	317	17546	2.48 ug/mL	88
84)	Methoxychlor	18.50	227	273661	2.32 ug/mL	98
86)	Pyrene	16.61	202	446562	1.98 ug/mL	99
87)	Butylbenzylphthalate	17.73	149	209087	2.04 ug/mL	97
88)	Benzo[a]anthracene	18.55	228	301467	1.96 ug/mL	98
89)	3,3'-Dichlorobenzidine	18.54	252	27196	1.32 ug/mL	96
90)	Chrysene	18.60	228	303617	2.03 ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	18.69	149	267222	1.96 ug/mL	99
94)	Di-n-octylphthalate	19.68	149	362768	1.66 ug/mL	100
95)	Benzo[b]fluoranthene	20.24	252	189499	1.62 ug/mL#	97
96)	Benzo[k]fluoranthene	20.28	252	267071	2.20 ug/mL	97
97)	Benzo[a]pyrene	20.81	252	149547	1.65 ug/mL#	92
98)	Indeno(1,2,3-c,d)pyrene	23.29	276	39486	0.83 ug/mL#	49
99)	Dibenzo[a,h]anthracene	23.35	278	40441m	0.99 ug/mL	
100)	Benzo[g,h,i]perylene	23.99	276	87771m	1.61 ug/mL	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6062705\0627603.D Vial: 8
Acq On : 27 Jun 2005 5:36 pm Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:04 2005 Quant Results File: 8270.RES

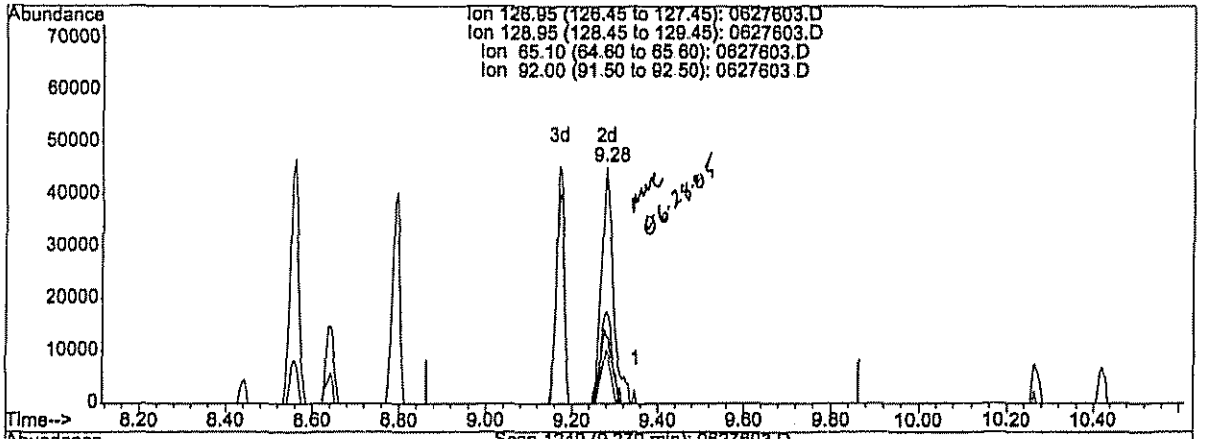
Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration

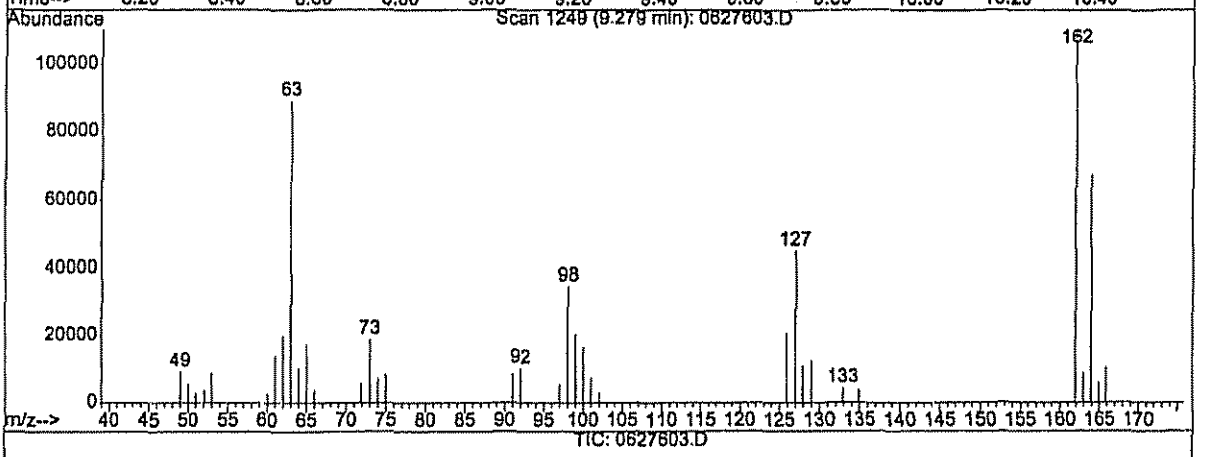


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627603.D Vial: 8
Acq On : 27 Jun 2005 5:36 pm Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:03 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:02:52 2005
Response via : Multiple Level Calibration





(28) 4-Chloroaniline (TM)

9.28min 2.53ug/mL m

response 88865

Ion	Exp%	Act%
126.95	100	100
128.95	31.50	27.63
65.10	35.90	38.54
92.00	20.00	22.73

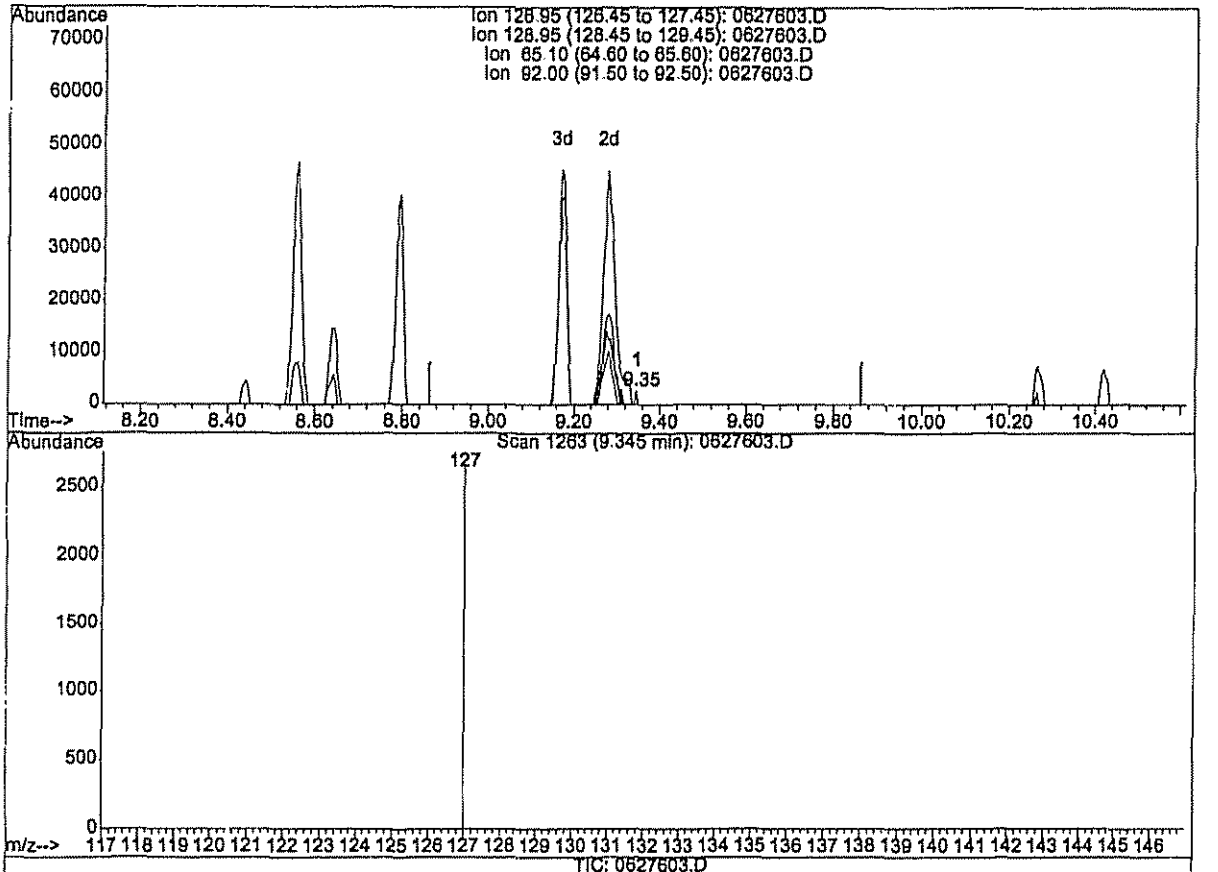
0627603.D 8270.M Tue Jun 28 11:03:39 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627603.D
Acq On : 27 Jun 2005 5:36 pm
Sample : SVCAL2
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:03 2005

Vial: 8
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:02:52 2005
Response via : Multiple Level Calibration



(28) 4-Chloroaniline (TM)

9.35min 0.02ug/mL

response 756

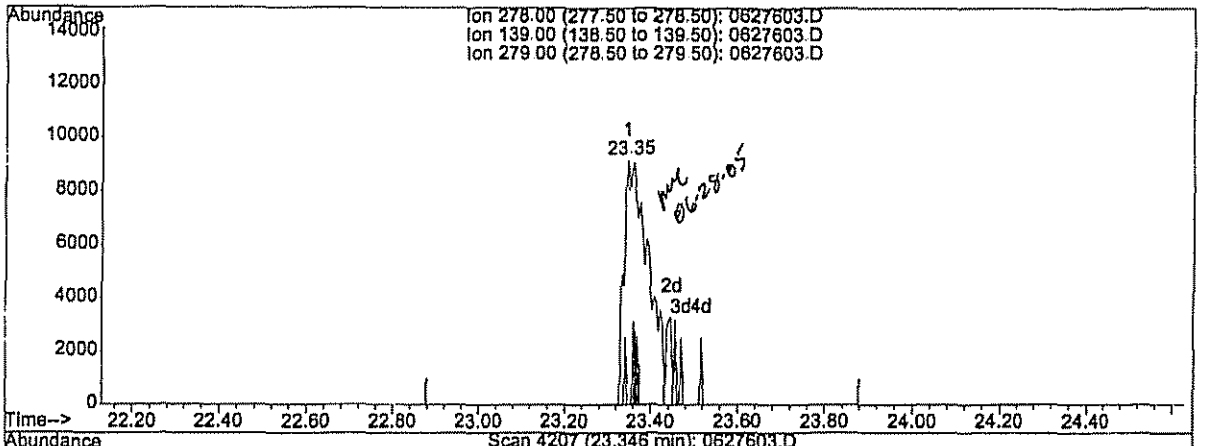
Ion	Exp%	Act%
126.95	100	100
128.95	31.50	0.00#
65.10	35.90	0.00#
92.00	20.00	0.00#

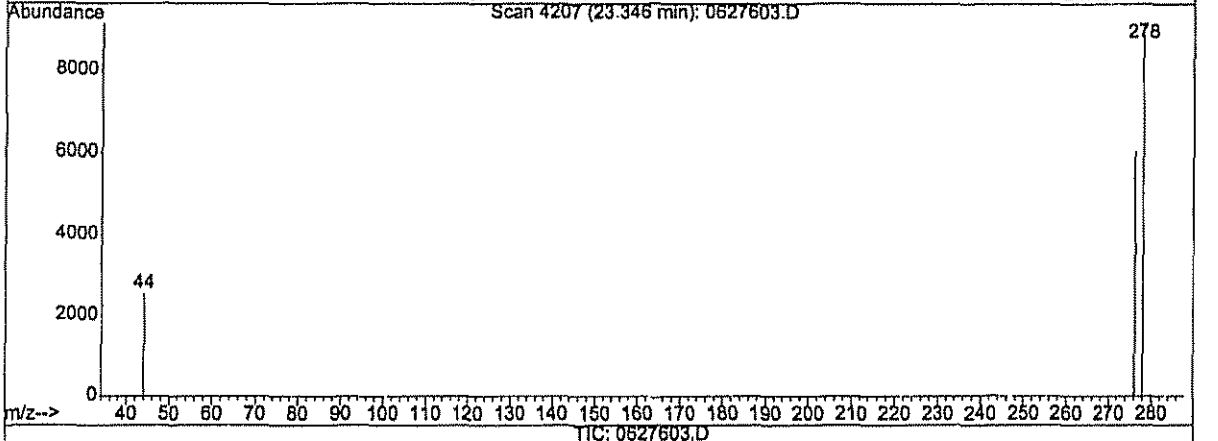
0627603.D 8270.M Tue Jun 28 11:03:35 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627603.D Vial: 8
Acq On : 27 Jun 2005 5:36 pm Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:04 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:02:52 2005
Response via : Multiple Level Calibration





TIC: 0627603.D

(99) Dibenzo[a,h]anthracene (TM)

23.35min 0.99ug/mL m

response 40441

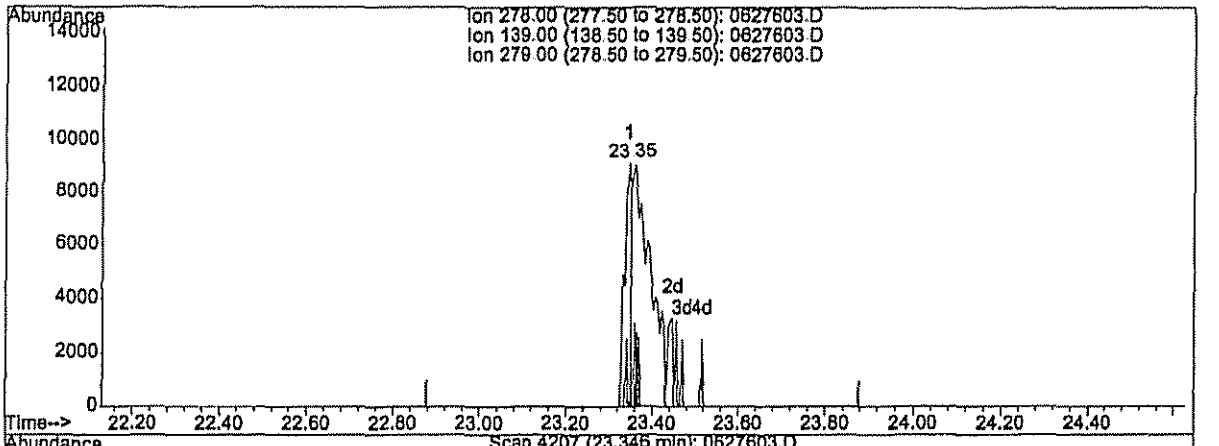
Ion	Exp%	Act%
278.00	100	100
139.00	19.80	0.00#
279.00	22.30	0.00#
0.00	0.00	0.00

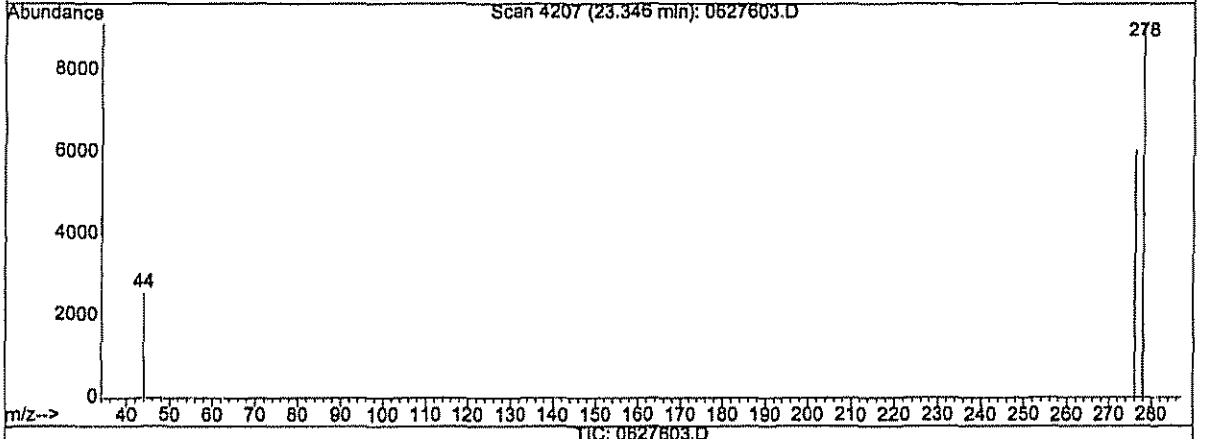
0627603.D 8270.M Tue Jun 28 11:04:32 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627603.D Vial: 8
Acq On : 27 Jun 2005 5:36 pm Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:03 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:02:52 2005
Response via : Multiple Level Calibration





TIC: 0627603.D

(99) Dibenzo[a,h]anthracene (TM)

23.35min 0.24ug/mL

response 9804

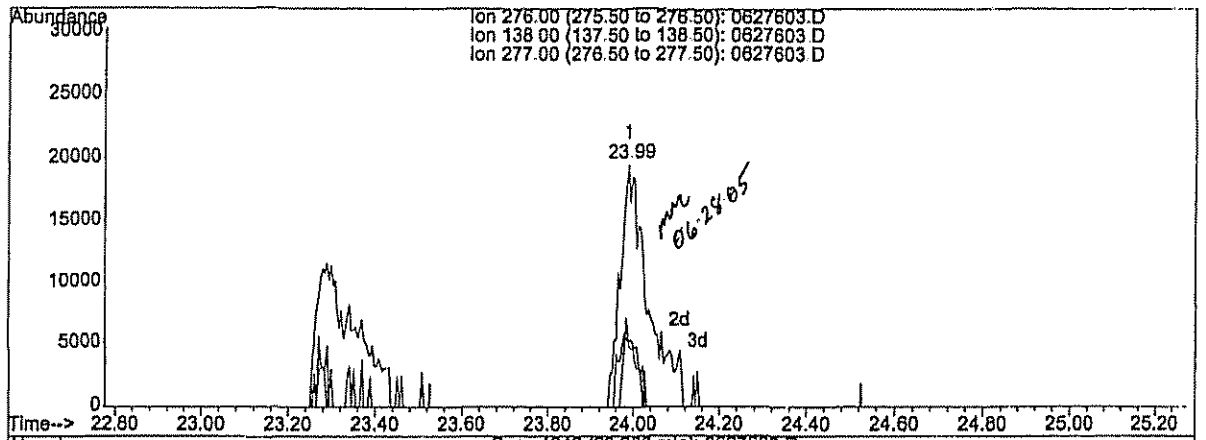
Ion	Exp%	Act%
278.00	100	100
139.00	19.80	0.00#
279.00	22.30	0.00#
0.00	0.00	0.00

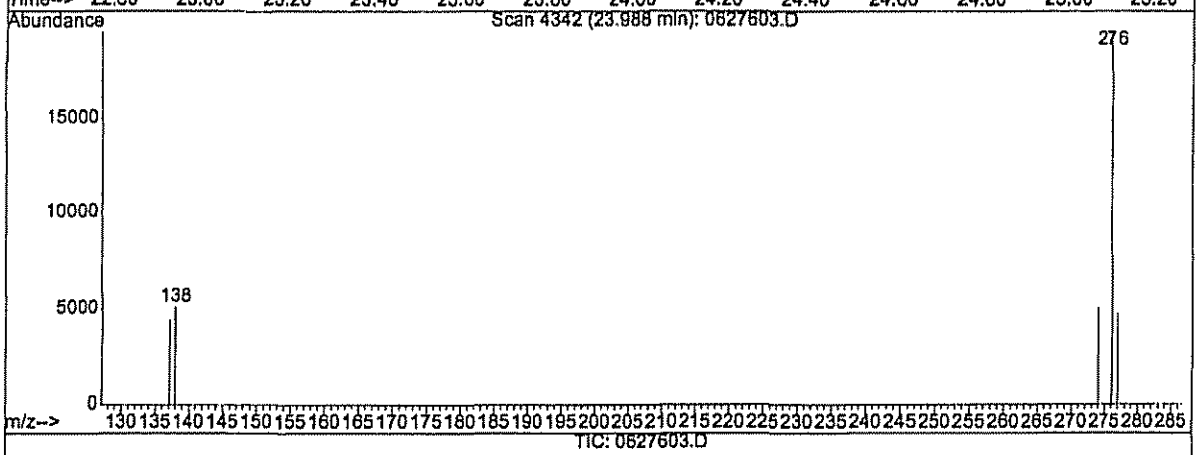
0627603.D 8270.M Tue Jun 28 11:04:26 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627603.D Vial: 8
Acq On : 27 Jun 2005 5:36 pm Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:04 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:02:52 2005
Response via : Multiple Level Calibration





(100) Benzo[g,h,i]perylene (TM)

23.99min 1.61ug/mL m

response 87771

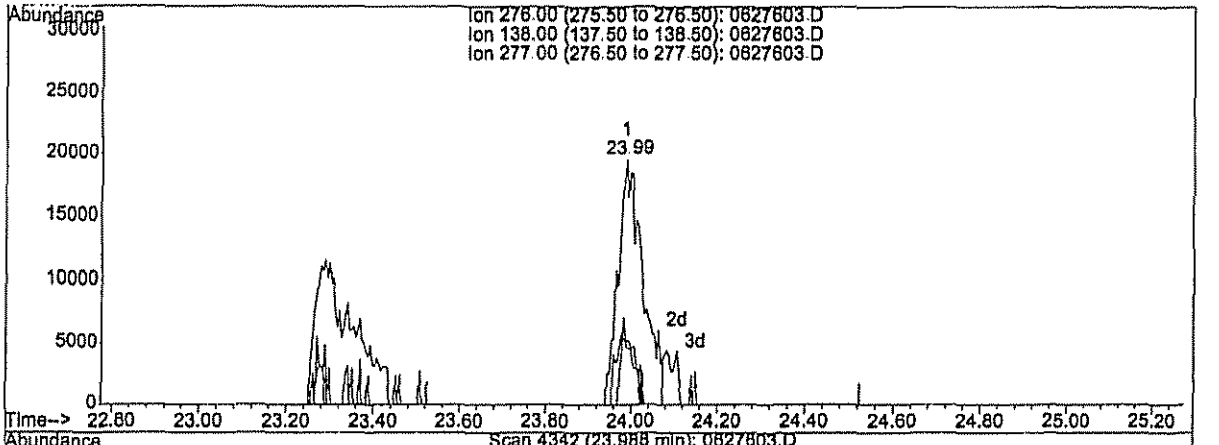
Ion	Exp%	Act%
276.00	100	100
138.00	24.60	26.13
277.00	24.50	24.31
0.00	0.00	0.00

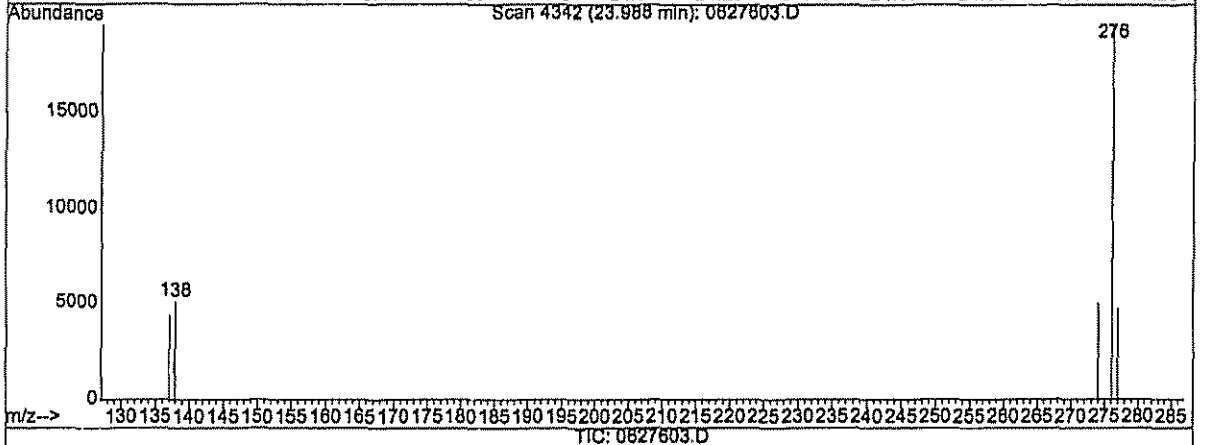
0627603.D 8270.M Tue Jun 28 11:04:39 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627603.D Vial: 8
Acq On : 27 Jun 2005 5:36 pm Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:04 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:02:52 2005
Response via : Multiple Level Calibration





(100) Benzo[g,h,i]perylene (TM)

23.99min 1.43ug/mL

response 78170

Ion	Exp%	Act%
276.00	100	100
138.00	24.60	26.13
277.00	24.50	24.31
0.00	0.00	0.00

0627603.D 8270.M Tue Jun 28 11:04:36 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627604.D Vial: 7
Acq On : 27 Jun 2005 6:11 pm Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:06 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:04:54 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MRC 06.28.05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.21	152	237091	4.00 ug/mL	0.00
18) Naphthalene-D8	9.14	136	947479	4.00 ug/mL	0.00
33) Acenaphthene-d10	11.93	164	532810	4.00 ug/mL	0.00
55) Phenanthrene-D10	14.31	188	764446	4.00 ug/mL	0.00
85) Chrysene-D12	18.56	240	535421	4.00 ug/mL	0.00
93) Perylene-D12	20.92	264	363514	4.00 ug/mL	0.00
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	5.40	112	247616	4.19 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 41.90%	
17) Phenol-d6 (surr)	6.69	99	377744	3.99 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 39.90%	
32) Nitrobenzene-d5 (surr)	8.04	128	137736	4.17 ug/mL	-0.01
Spiked Amount 10.000			Recovery	= 41.70%	
53) 2-Fluorobiphenyl (surr)	10.87	172	615892	4.21 ug/mL	-0.01
Spiked Amount 10.000			Recovery	= 42.10%	
54) 2,4,6-Tribromophenol (surr	13.20	330	61518	4.19 ug/mL	-0.01
Spiked Amount 10.000			Recovery	= 41.90%	
92) 4-Terphenyl-d14 (surr)	16.91	244	518823	3.70 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 37.00%	
Target Compounds					Qvalue
2) Pyridine	3.83	79	136047	2.53 ug/mL	95
3) N-Nitrosodimethylamine	3.80	74	157677	3.91 ug/mL	99
4) Phenol	6.71	94	435302	4.09 ug/mL	98
5) Bis(2-chloroethyl)ether	6.85	93	336531	4.05 ug/mL	99
6) 2-Chlorophenol	6.91	128	314470	4.00 ug/mL	93
7) Benzyl Alcohol	7.43	108	216991	4.01 ug/mL	98
8) 1,3-Dichlorobenzene	7.13	146	318927	4.13 ug/mL	98
9) 1,4-Dichlorobenzene	7.24	146	326128	4.10 ug/mL	94
10) 1,2-Dichlorobenzene	7.46	146	293277	4.12 ug/mL	96
11) 2-Methylphenol	7.60	107	257871	3.96 ug/mL	96
12) 3-, 4-Methylphenol	7.83	107	374410	3.97 ug/mL	97
13) Bis(2-chloroisopropyl)ethe	7.64	45	396806	3.99 ug/mL	99
14) N-Nitrosodi-n-propylamine	7.84	70	195524	3.88 ug/mL	97
15) Hexachloroethane	7.96	117	126183	3.99 ug/mL	96
19) Nitrobenzene	8.07	77	371355	4.02 ug/mL	96
20) Isophorone	8.44	82	544285	3.95 ug/mL	97
21) 2-Nitrophenol	8.56	139	176057	4.03 ug/mL	96
22) 2,4-Dimethylphenol	8.64	122	242416	3.95 ug/mL	98
23) Benzoic Acid	8.78	122	143632	3.89 ug/mL	96
24) Bis(2-chloroethoxy)methane	8.79	93	364498	4.02 ug/mL	99

(#) = qualifier out of range (m) = manual integration
0627604.D 8270.M Tue Jun 28 11:29:26 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627604.D Vial: 7
Acq On : 27 Jun 2005 6:11 pm Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:06 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:04:54 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	8.92	162	252419	4.13 ug/mL	95
26) 1,2,4-Trichlorobenzene	9.06	180	264656	4.04 ug/mL	97
27) Naphthalene	9.17	128	836669	4.12 ug/mL	98
28) 4-Chloroaniline	9.29	127	119143	3.44 ug/mL	96
29) Hexachlorobutadiene	9.39	225	166789	4.08 ug/mL	93
30) 4-Chloro-3-methylphenol	10.05	107	290966	4.05 ug/mL	99
31) 2-Methylnaphthalene	10.27	142	590915	4.04 ug/mL	98
34) Hexachlorocyclopentadiene	10.54	237	68309	3.88 ug/mL	91
35) 2,4,6-Trichlorophenol	10.73	196	191502	4.20 ug/mL	97
36) 2,4,5-Trichlorophenol	10.77	196	198614	4.24 ug/mL	97
37) 2-Chloronaphthalene	11.04	162	535905	4.21 ug/mL	99
38) 2-Nitroaniline	11.22	65	196061	4.27 ug/mL	99
39) 3-Nitroaniline	11.89	138	48598	4.92 ug/mL#	83
40) 1-Methylnaphthalene	10.42	142	532346	4.16 ug/mL	99
41) Dimethylphthalate	11.54	163	625334	4.10 ug/mL	100
42) Acenaphthylene	11.70	152	717092	4.33 ug/mL	98
43) 2,6-Dinitrotoluene	11.62	165	138691	4.18 ug/mL	97
44) Acenaphthene	11.98	153	475364	4.12 ug/mL	100
45) 2,4-Dinitrophenol	12.07	184	73544	3.99 ug/mL	93
46) 4-Nitrophenol	12.17	109	81954	3.93 ug/mL	95
47) Dibenzofuran	12.27	168	768637	4.13 ug/mL	100
48) 2,4-Dinitrotoluene	12.26	165	174222	4.16 ug/mL#	84
49) Fluorene	12.81	166	572298	4.16 ug/mL	94
50) Diethylphthalate	12.69	149	580706	4.15 ug/mL	100
51) 4-Chlorophenyl phenyl ethe	12.83	204	299039	4.19 ug/mL	97
52) 4-Nitroaniline	12.87	138	88169m	6.52 ug/mL	
56) 4,6-Dinitro-2-methylphenol	12.91	198	109712	4.16 ug/mL	96
57) Diphenylamine	13.02	169	329511	4.79 ug/mL	97
58) 4-bromophenyl phenyl ether	13.62	248	163729	4.27 ug/mL	97
59) Hexachlorobenzene	13.70	284	159915	4.14 ug/mL	98
60) Pentachlorophenol	14.02	266	111977	4.16 ug/mL	99
61) Phenanthrene	14.35	178	782259	4.16 ug/mL	98
62) Carbazole	14.70	167	558863	5.96 ug/mL#	95
63) Anthracene	14.43	178	733263	4.21 ug/mL	98
64) Azobenzene	13.08	77	691720	4.12 ug/mL	99
65) Di-n-Butylphthalate	15.33	149	942816	4.23 ug/mL	99
66) Fluoranthene	16.26	202	812626	4.21 ug/mL	98
67) alpha-BHC	13.63	183	124386	4.15 ug/mL	95
68) beta-BHC	13.96	181	106662	4.39 ug/mL	98
69) gamma-BHC	14.11	183	105958	4.15 ug/mL	99
70) delta-BHC	14.47	183	98205	4.07 ug/mL	100

(#) = qualifier out of range (m) = manual integration
0627604.D 8270.M Tue Jun 28 11:29:27 2005 ENV Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627604.D
Acq On : 27 Jun 2005 6:11 pm
Sample : SVCAL4
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:06 2005

Vial: 7
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:04:54 2005
Response via : Initial Calibration
DataAcq Meth : 8270

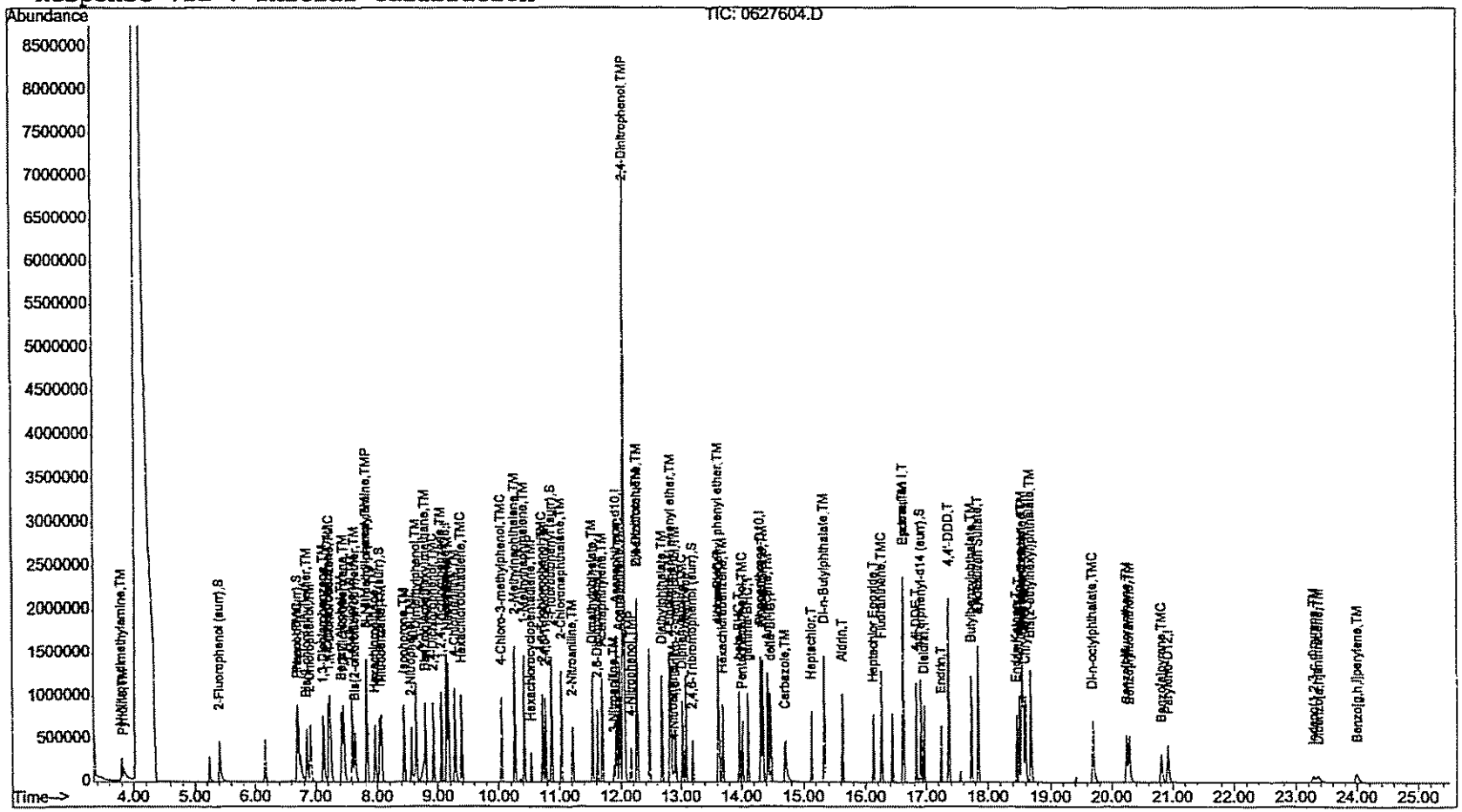
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.13	100	116760	4.03 ug/mL	100
72)	Aldrin	15.62	66	137167	4.16 ug/mL	96
73)	Heptachlor Epoxide	16.13	353	40941	4.19 ug/mL	99
74)	Endosulfan I	16.62	195	37135	4.79 ug/mL	95
75)	4,4'-DDE	16.84	246	193008	4.28 ug/mL	100
76)	Dieldrin	16.97	79	179522	4.26 ug/mL	99
77)	Endrin	17.25	263	29976	4.34 ug/mL	92
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.37	235	324918	4.28 ug/mL	100
80)	Endosulfan Sulfate	17.84	272	42717	4.91 ug/mL	95
81)	4,4'-DDT	17.85	235	252357	4.35 ug/mL	97
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.46	317	32904	4.85 ug/mL	92
84)	Methoxychlor	18.51	227	500543	4.51 ug/mL	99
86)	Pyrene	16.62	202	779354	3.68 ug/mL	96
87)	Butylbenzylphthalate	17.74	149	382572	3.94 ug/mL	96
88)	Benzo[a]anthracene	18.54	228	595484	4.14 ug/mL	99
89)	3,3'-Dichlorobenzidine	18.54	252	54794	3.09 ug/mL#	98
90)	Chrysene	18.60	228	572876	4.06 ug/mL	100
91)	Bis(2-ethylhexyl)phthalate	18.69	149	507386	3.98 ug/mL	99
94)	Di-n-octylphthalate	19.69	149	744616	3.58 ug/mL	100
95)	Benzo[b]fluoranthene	20.24	252	431818	3.89 ug/mL	99
96)	Benzo[k]fluoranthene	20.28	252	480411	3.88 ug/mL	99
97)	Benzo[a]pyrene	20.81	252	348546	4.04 ug/mL	96
98)	Indeno(1,2,3-c,d)pyrene	23.28	276	111520	2.75 ug/mL	92
99)	Dibenzo[a,h]anthracene	23.36	278	125125m	3.52 ug/mL	
100)	Benzo[g,h,i]perylene	24.00	276	209591m	4.05 ug/mL	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6062705\0627604.D Vial: 7
Acq On : 27 Jun 2005 6:11 pm Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:06 2005 Quant Results File: 8270.RES

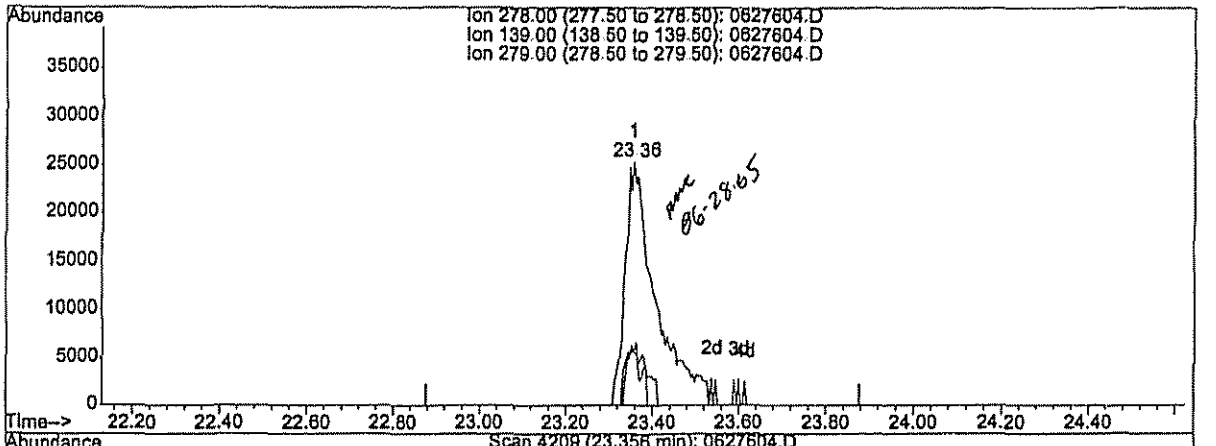
Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration

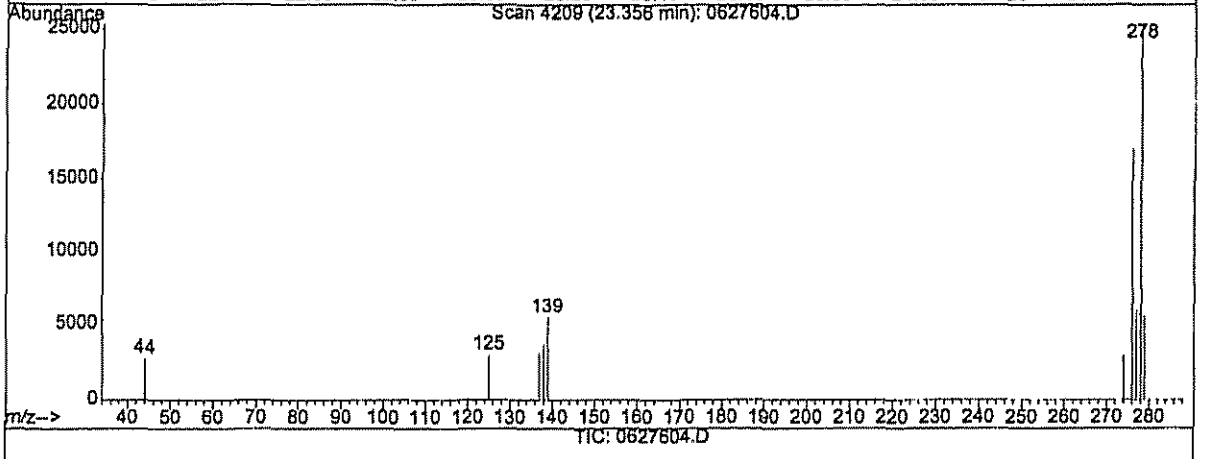


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627604.D Vial: 7
Acq On : 27 Jun 2005 6:11 pm Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:06 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:04:54 2005
Response via : Multiple Level Calibration





TIC: 0627604.D

(99) Dibenzo[a,h]anthracene (TM)

23.36min 3.52ug/mL m

response 125125

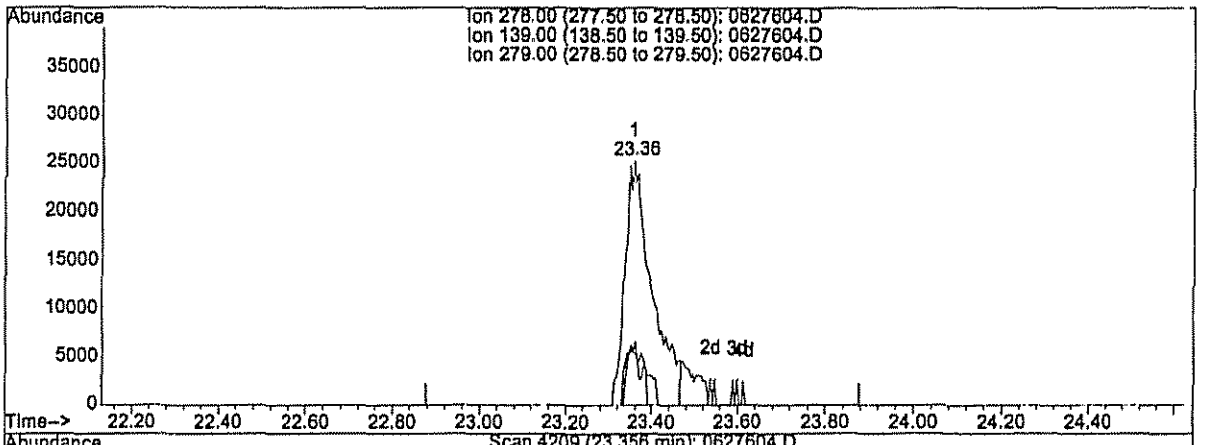
Ion	Exp%	Act%
278.00	100	100
139.00	19.80	21.73
279.00	22.30	22.15
0.00	0.00	0.00

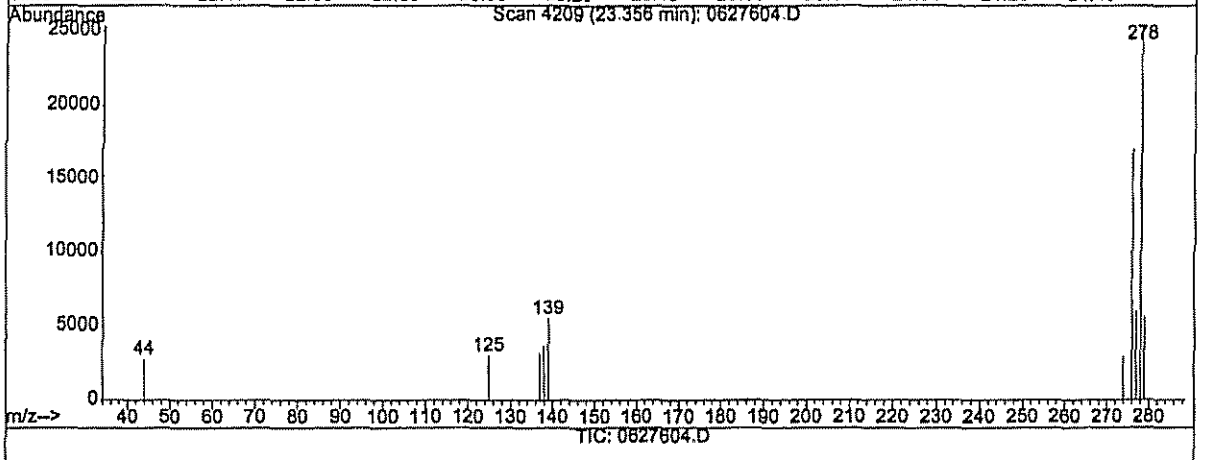
0627604.D 8270.M Tue Jun 28 11:06:25 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627604.D Vial: 7
Acq On : 27 Jun 2005 6:11 pm Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:05 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:04:54 2005
Response via : Multiple Level Calibration





TIC: 0627604.D

(99) Dibenzo[a,h]anthracene (TM)

23.36min 3.14ug/mL

response 111549

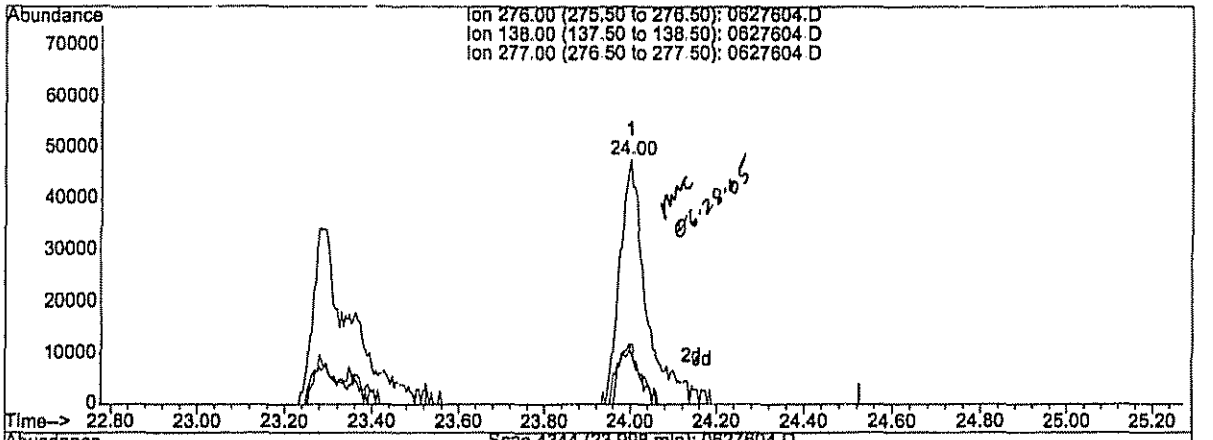
Ion	Exp%	Act%
278.00	100	100
139.00	19.80	21.73
279.00	22.30	22.15
0.00	0.00	0.00

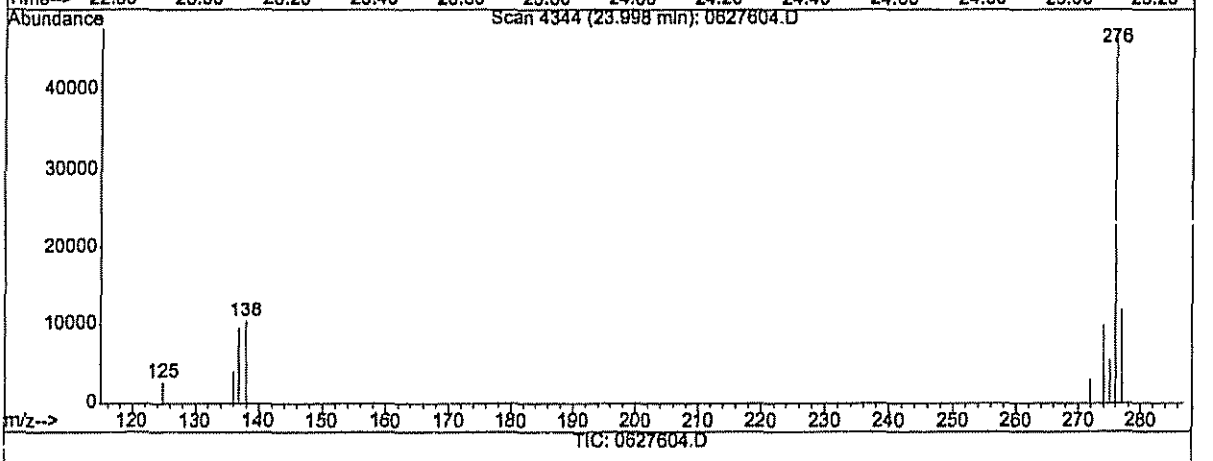
0627604.D 8270.M Tue Jun 28 11:06:22 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627604.D Vial: 7
Acq On : 27 Jun 2005 6:11 pm Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:06 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:04:54 2005
Response via : Multiple Level Calibration





TIC: 0627604.D

(100) Benzo[g,h,i]perylene (TM)

24.00min 4.05ug/mL m

response 209591

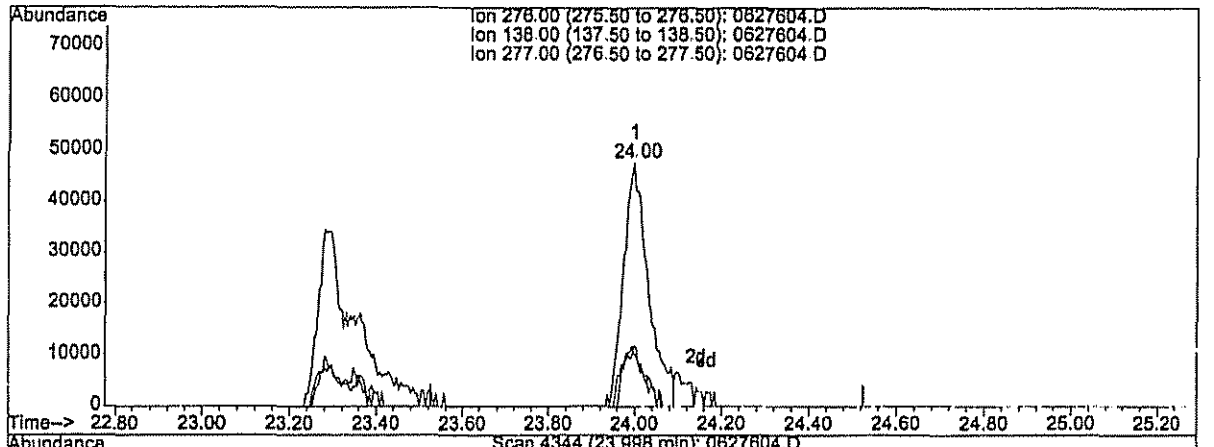
Ion	Exp%	Act%
276.00	100	100
138.00	24.60	21.93
277.00	24.50	25.08
0.00	0.00	0.00

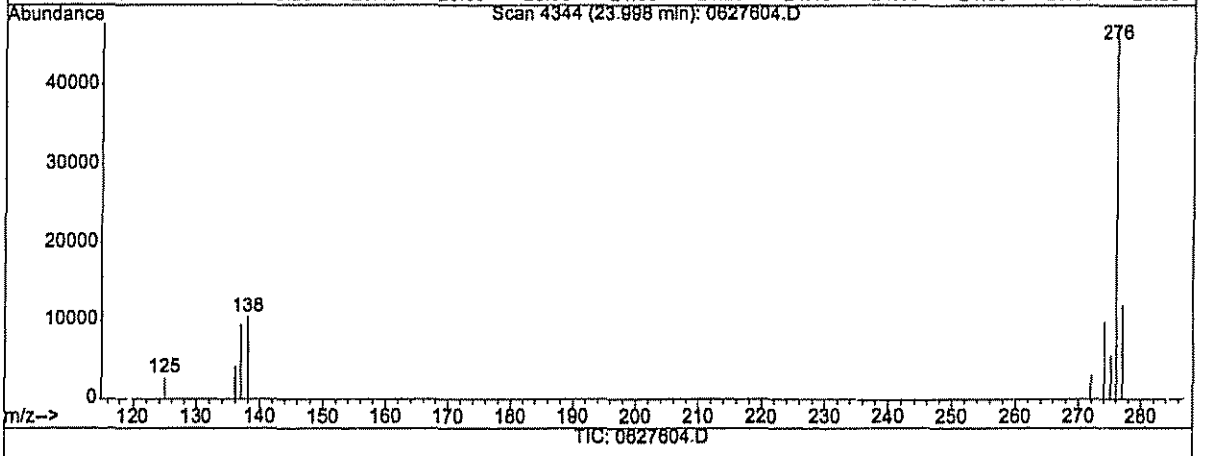
0627604.D 8270.M Tue Jun 28 11:06:32 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627604.D Vial: 7
Acq On : 27 Jun 2005 6:11 pm Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:06 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:04:54 2005
Response via : Multiple Level Calibration





(100) Benzo[g,h,i]perylene (TM)

24.00min 3.67ug/mL

response 189760

Ion	Exp%	Act%
276.00	100	100
138.00	24.60	21.93
277.00	24.50	25.08
0.00	0.00	0.00

0627604.D 8270.M Tue Jun 28 11:06:29 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627605.D Vial: 6
Acq On : 27 Jun 2005 6:44 pm Operator: MRC
Sample : SVCAL6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:08 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:06:40 2005
Response via : Initial Calibration
DataAcq Meth : 8270

pmc 06-28-05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.21	152	230121	4.00 ug/mL	0.00
18) Naphthalene-D8	9.14	136	915686	4.00 ug/mL	0.00
33) Acenaphthene-d10	11.93	164	520235	4.00 ug/mL	0.00
55) Phenanthrene-D10	14.31	188	762528	4.00 ug/mL	0.00
85) Chrysene-D12	18.56	240	556172	4.00 ug/mL	0.00
93) Perylene-D12	20.92	264	365075	4.00 ug/mL	0.00
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	5.41	112	356599	6.16 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 61.60%	
17) Phenol-d6 (surr)	6.69	99	567372	6.18 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 61.80%	
32) Nitrobenzene-d5 (surr)	8.04	128	205143	6.37 ug/mL	-0.01
Spiked Amount 10.000			Recovery	= 63.70%	
53) 2-Fluorobiphenyl (surr)	10.87	172	910104	6.30 ug/mL	-0.01
Spiked Amount 10.000			Recovery	= 63.00%	
54) 2,4,6-Tribromophenol (surr	13.20	330	95759	6.61 ug/mL	-0.01
Spiked Amount 10.000			Recovery	= 66.10%	
92) 4-Terphenyl-d14 (surr)	16.91	244	822079	5.73 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 57.30%	
Target Compounds					Qvalue
2) Pyridine	3.82	79	301071	6.34 ug/mL	85
3) N-Nitrosodimethylamine	3.81	74	240727	6.18 ug/mL	99
4) Phenol	6.71	94	651659	6.28 ug/mL	97
5) Bis(2-chloroethyl)ether	6.85	93	493832	6.11 ug/mL	98
6) 2-Chlorophenol	6.91	128	469018	6.15 ug/mL	99
7) Benzyl Alcohol	7.43	108	333619	6.35 ug/mL	94
8) 1,3-Dichlorobenzene	7.13	146	477487	6.32 ug/mL	98
9) 1,4-Dichlorobenzene	7.24	146	479912	6.19 ug/mL	98
10) 1,2-Dichlorobenzene	7.46	146	444232	6.39 ug/mL	96
11) 2-Methylphenol	7.60	107	394854	6.25 ug/mL	97
12) 3-, 4-Methylphenol	7.83	107	578629	6.33 ug/mL	98
13) Bis(2-chloroisopropyl)ethe	7.64	45	588238	6.10 ug/mL	98
14) N-Nitrosodi-n-propylamine	7.84	70	298691	6.15 ug/mL	97
15) Hexachloroethane	7.96	117	193495	6.31 ug/mL	98
19) Nitrobenzene	8.07	77	561802	6.29 ug/mL	98
20) Isophorone	8.44	82	835617	6.30 ug/mL	99
21) 2-Nitrophenol	8.56	139	254045	6.01 ug/mL	96
22) 2,4-Dimethylphenol	8.64	122	376654	6.37 ug/mL	96
23) Benzoic Acid	8.80	122	244758	6.89 ug/mL	96
24) Bis(2-chloroethoxy)methane	8.79	93	543849	6.20 ug/mL	99

(#) = qualifier out of range (m) = manual integration
0627605.D 8270.M Tue Jun 28 11:29:38 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627605.D Vial: 6
Acq On : 27 Jun 2005 6:44 pm Operator: MRC
Sample : SVCAL6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:08 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:06:40 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) 2,4-Dichlorophenol	8.92	162	382801	6.44	ug/mL	99
26) 1,2,4-Trichlorobenzene	9.06	180	398217	6.28	ug/mL	97
27) Naphthalene	9.17	128	1250339	6.33	ug/mL	99
28) 4-Chloroaniline	9.29	127	187686	5.76	ug/mL#	95
29) Hexachlorobutadiene	9.39	225	256336	6.46	ug/mL	96
30) 4-Chloro-3-methylphenol	10.05	107	456203	6.56	ug/mL	94
31) 2-Methylnaphthalene	10.27	142	886011	6.26	ug/mL	98
34) Hexachlorocyclopentadiene	10.54	237	119217	6.97	ug/mL	95
35) 2,4,6-Trichlorophenol	10.73	196	297441	6.62	ug/mL	98
36) 2,4,5-Trichlorophenol	10.77	196	303218	6.55	ug/mL	98
37) 2-Chloronaphthalene	11.04	162	807166	6.42	ug/mL	97
38) 2-Nitroaniline	11.22	65	309182	6.81	ug/mL	99
39) 3-Nitroaniline	11.89	138	74961	7.43	ug/mL#	88
40) 1-Methylnaphthalene	10.42	142	805500	6.40	ug/mL	100
41) Dimethylphthalate	11.54	163	965496	6.45	ug/mL	99
42) Acenaphthylene	11.70	152	1082213	6.59	ug/mL	99
43) 2,6-Dinitrotoluene	11.62	165	216833	6.63	ug/mL	99
44) Acenaphthene	11.98	153	721228	6.37	ug/mL	100
45) 2,4-Dinitrophenol	12.07	184	120102	6.68	ug/mL	98
46) 4-Nitrophenol	12.17	109	134772	6.64	ug/mL	99
47) Dibenzofuran	12.27	168	1160341	6.35	ug/mL	99
48) 2,4-Dinitrotoluene	12.26	165	262978	6.38	ug/mL#	79
49) Fluorene	12.81	166	873925	6.45	ug/mL	99
50) Diethylphthalate	12.69	149	877386	6.38	ug/mL	98
51) 4-Chlorophenyl phenyl ethe	12.83	204	447060	6.35	ug/mL	98
52) 4-Nitroaniline	12.88	138	112504	7.57	ug/mL#	79
56) 4,6-Dinitro-2-methylphenol	12.91	198	185118	6.98	ug/mL	99
57) Diphenylamine	13.03	169	493892	6.92	ug/mL	100
58) 4-bromophenyl phenyl ether	13.62	248	251083	6.48	ug/mL	99
59) Hexachlorobenzene	13.70	284	238575	6.15	ug/mL	98
60) Pentachlorophenol	14.02	266	176250	6.51	ug/mL	97
61) Phenanthrene	14.35	178	1192573	6.31	ug/mL	99
62) Carbazole	14.70	167	730590	7.11	ug/mL#	92
63) Anthracene	14.43	178	1108385	6.31	ug/mL	99
64) Azobenzene	13.09	77	1049278	6.23	ug/mL	100
65) Di-n-Butylphthalate	15.33	149	1457488	6.48	ug/mL	99
66) Fluoranthene	16.26	202	1271088	6.53	ug/mL	98
67) alpha-BHC	13.63	183	195960	6.50	ug/mL	99
68) beta-BHC	13.97	181	161692	6.54	ug/mL	99
69) gamma-BHC	14.11	183	162836	6.35	ug/mL	99
70) delta-BHC	14.47	183	153410	6.36	ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627605.D Vial: 6
Acq On : 27 Jun 2005 6:44 pm Operator: MRC
Sample : SVCAL6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:08 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:06:40 2005
Response via : Initial Calibration
DataAcq Meth : 8270

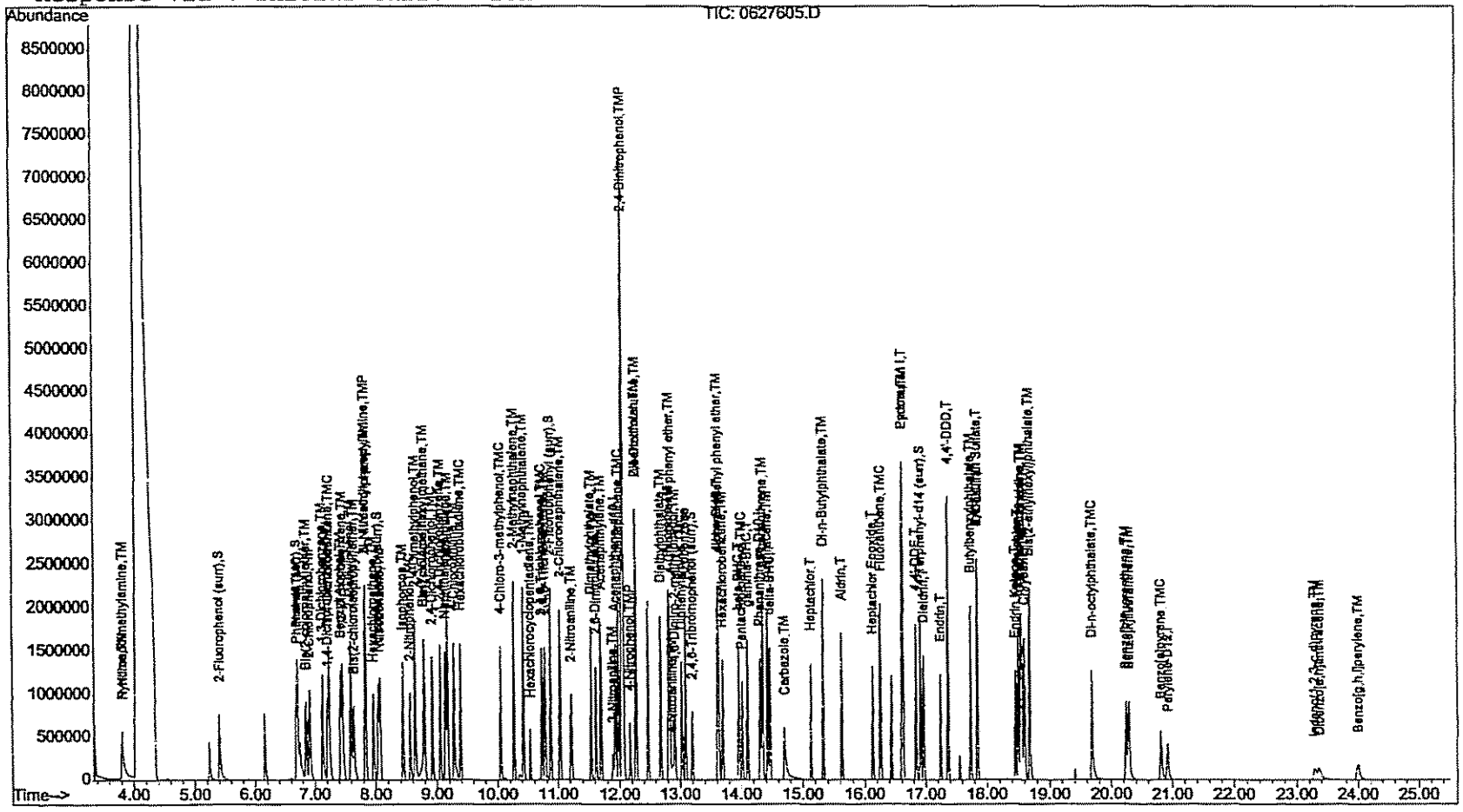
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.13	100	181145	6.26 ug/mL	100
72)	Aldrin	15.63	66	215875	6.51 ug/mL	99
73)	Heptachlor Epoxide	16.13	353	64764	6.59 ug/mL	99
74)	Endosulfan I	16.62	195	53063	6.60 ug/mL	95
75)	4,4'-DDE	16.84	246	296942	6.50 ug/mL	98
76)	Dieldrin	16.97	79	266844	6.27 ug/mL	99
77)	Endrin	17.25	263	47812	6.82 ug/mL	97
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.37	235	500743	6.52 ug/mL	100
80)	Endosulfan Sulfate	17.84	272	67677	7.46 ug/mL	98
81)	4,4'-DDT	17.85	235	393063	6.68 ug/mL	97
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.46	317	51406	7.29 ug/mL	100
84)	Methoxychlor	18.50	227	822453	7.25 ug/mL	99
86)	Pyrene	16.62	202	1226283	5.66 ug/mL	95
87)	Butylbenzylphthalate	17.74	149	595060	5.92 ug/mL	95
88)	Benzo[a]anthracene	18.54	228	936860	6.22 ug/mL	98
89)	3,3'-Dichlorobenzidine	18.54	252	95664	5.44 ug/mL	91
90)	Chrysene	18.60	228	900573	6.12 ug/mL	97
91)	Bis(2-ethylhexyl)phthalate	18.68	149	789766	5.97 ug/mL	96
94)	Di-n-octylphthalate	19.68	149	1163012	5.69 ug/mL	100
95)	Benzo[b]fluoranthene	20.24	252	683622	6.17 ug/mL	96
96)	Benzo[k]fluoranthene	20.29	252	781245	6.32 ug/mL	99
97)	Benzo[a]pyrene	20.81	252	534919	6.16 ug/mL#	95
98)	Indeno(1,2,3-c,d)pyrene	23.29	276	222683	5.83 ug/mL	95
99)	Dibenzo[a,h]anthracene	23.36	278	234035m	6.72 ug/mL	
100)	Benzo[g,h,i]perylene	23.99	276	329489m	6.33 ug/mL	

(#) = qualifier out of range (m) = manual integration
0627605.D 8270.M Tue Jun 28 11:29:40 2005 ENV Page 3

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6062705\0627605.D Vial: 6
Acq On : 27 Jun 2005 6:44 pm Operator: MRC
Sample : SVCAL6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:08 2005 Quant Results File: 8270.RES

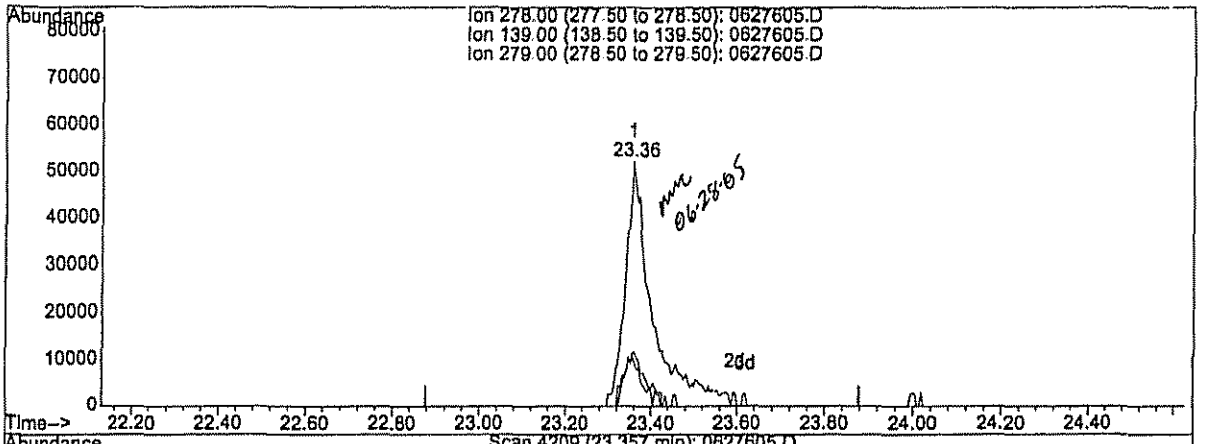
Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration

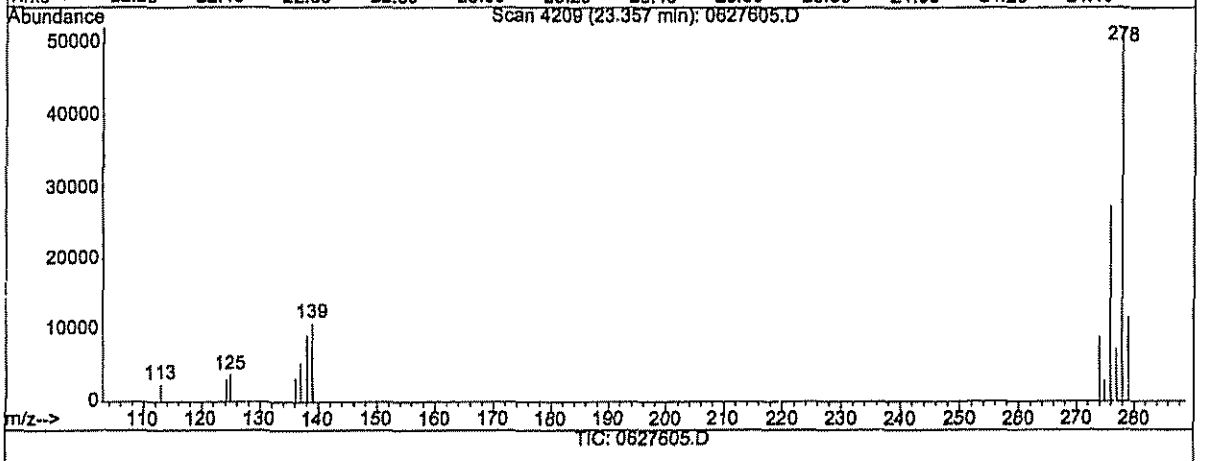


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627605.D Vial: 6
Acq On : 27 Jun 2005 6:44 pm Operator: MRC
Sample : SVCAL6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:08 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:06:40 2005
Response via : Multiple Level Calibration





(99) Dibenzo[a,h]anthracene (TM)

23.36min 6.72ug/mL m

response 234035

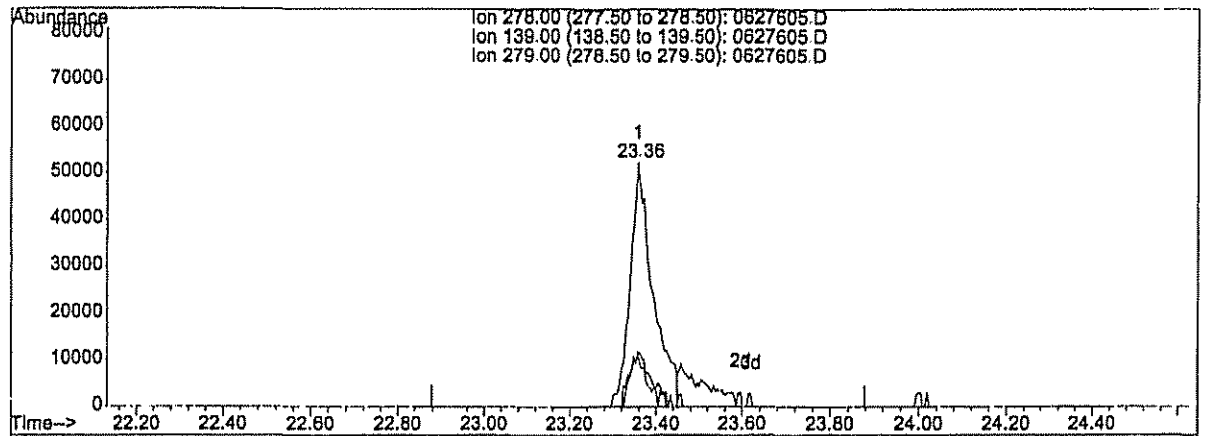
Ion	Exp%	Act%
278.00	100	100
139.00	19.80	21.07
279.00	22.30	22.69
0.00	0.00	0.00

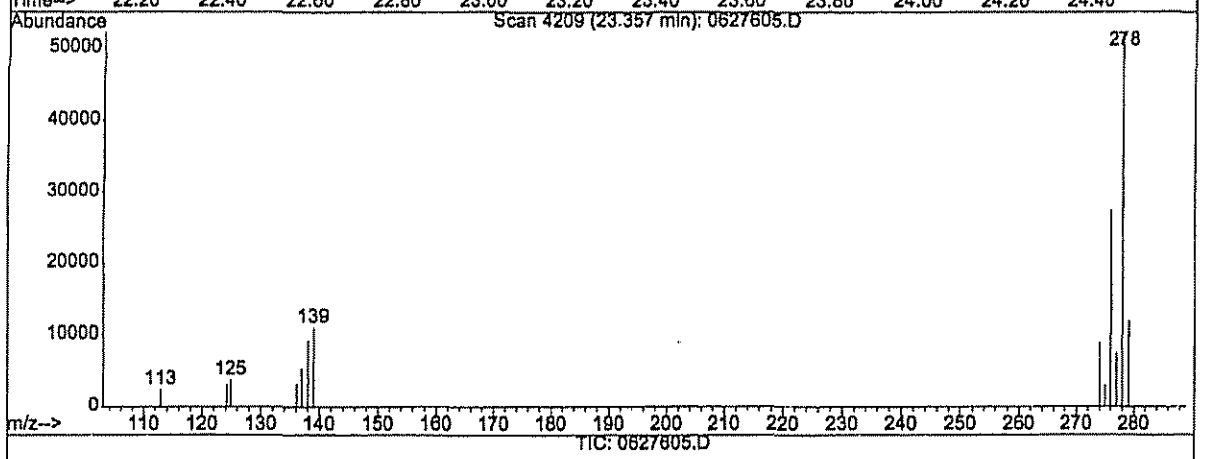
0627605.D 8270.M Tue Jun 28 11:08:06 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627605.D Vial: 6
Acq On : 27 Jun 2005 6:44 pm Operator: MRC
Sample : SVCAL6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:06 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:06:40 2005
Response via : Multiple Level Calibration





(99) Dibenzo[a,h]anthracene (TM)

23.36min 5.55ug/mL

response 193214

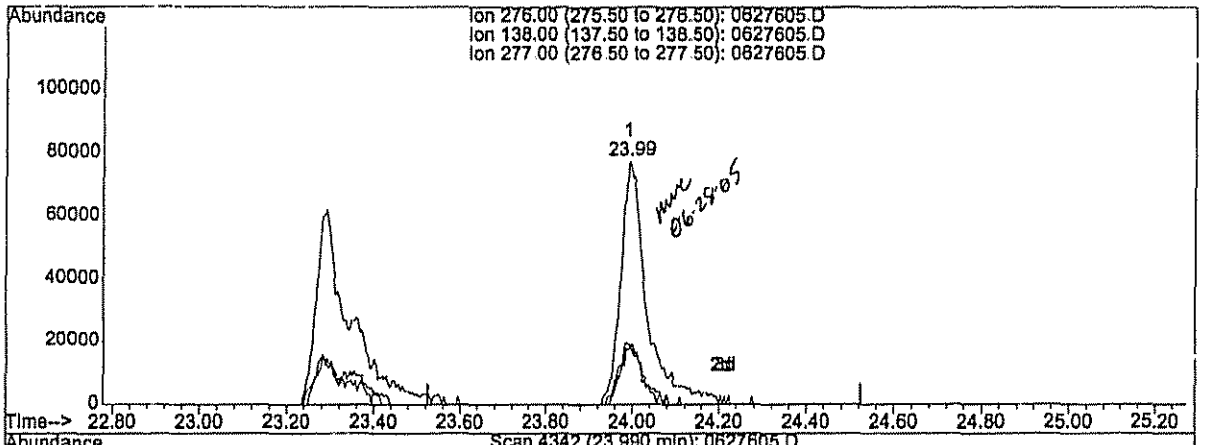
Ion	Exp%	Act%
278.00	100	100
139.00	19.80	21.07
279.00	22.30	22.69
0.00	0.00	0.00

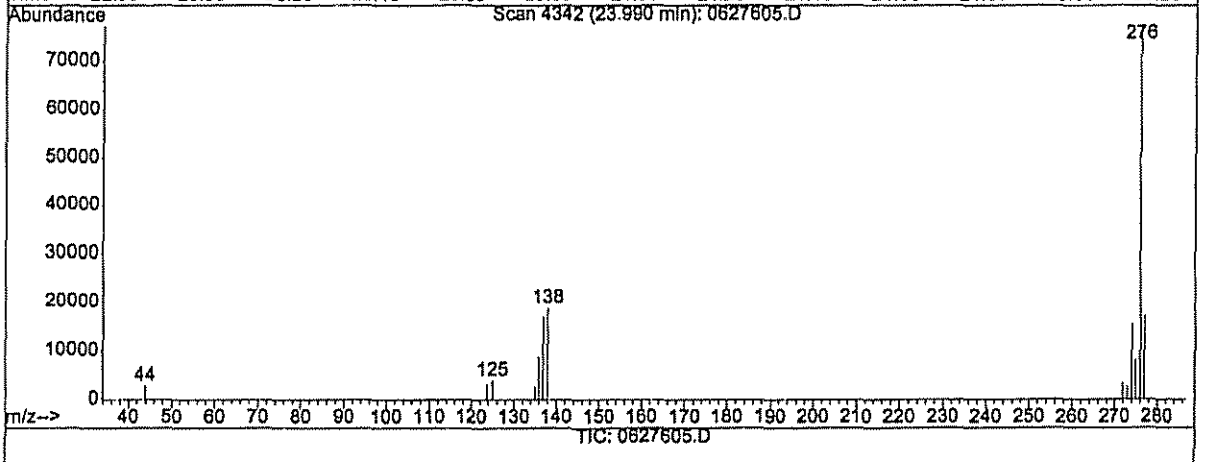
0627605.D 8270.M Tue Jun 28 11:08:02 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627605.D Vial: 6
Acq On : 27 Jun 2005 6:44 pm Operator: MRC
Sample : SVCAL6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:08 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:06:40 2005
Response via : Multiple Level Calibration





TIC: 0627605.D

(100) Benzo[g,h,i]perylene (TM)

23.99min 6.33ug/mL m

response 329489

Ion	Exp%	Act%
276.00	100	100
138.00	24.60	24.33
277.00	24.50	22.34
0.00	0.00	0.00

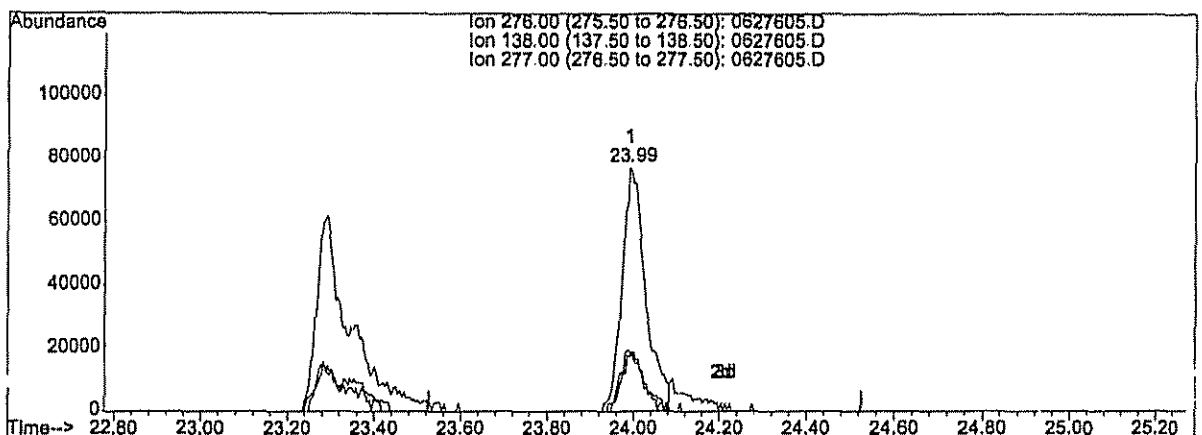
0627605.D 8270.M Tue Jun 28 11:08:12 2005 ENV

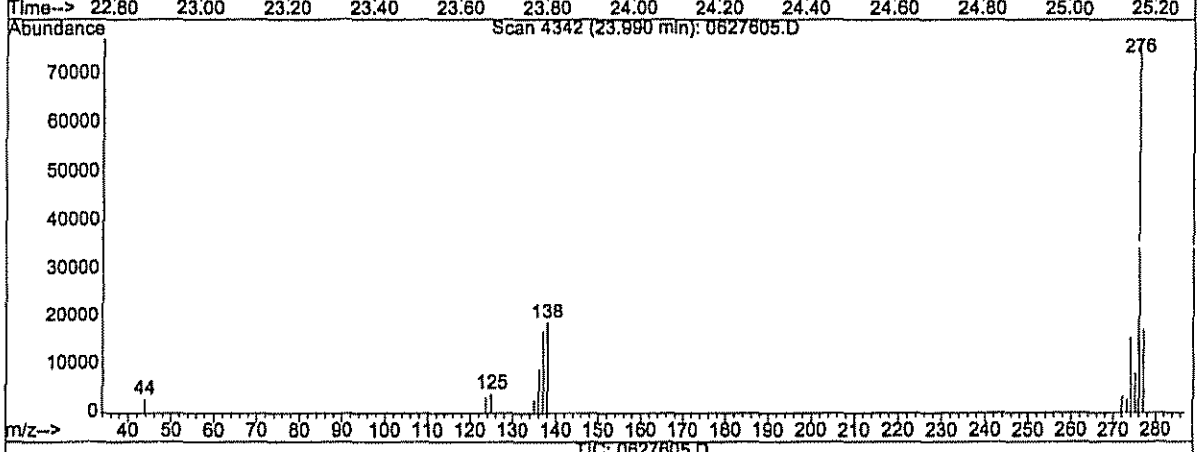
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627605.D
Acq On : 27 Jun 2005 6:44 pm
Sample : SVCAL6
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:08 2005

Vial: 6
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:06:40 2005
Response via : Multiple Level Calibration





TIC: 0627605.D

(100) Benzo[g,h,i]perylene (TM)

23.99min 5.65ug/mL

response 294421

Ion	Exp%	Act%
276.00	100	100
138.00	24.60	24.33
277.00	24.50	22.34
0.00	0.00	0.00

0627605.D 8270.M Tue Jun 28 11:08:09 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627606.D Vial: 5
Acq On : 27 Jun 2005 7:19 pm Operator: MRC
Sample : SVCAL8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:17 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:08:38 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MRC 06-28-05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.21	152	229553	4.00 ug/mL	0.00
18) Naphthalene-D8	9.14	136	901577	4.00 ug/mL	0.00
33) Acenaphthene-d10	11.93	164	521672	4.00 ug/mL	0.00
55) Phenanthrene-D10	14.31	188	772840	4.00 ug/mL	0.00
85) Chrysene-D12	18.57	240	562338	4.00 ug/mL	0.00
93) Perylene-D12	20.92	264	329591	4.00 ug/mL	0.00
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	5.41	112	470065	8.10 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 81.00%	
17) Phenol-d6 (surr)	6.70	99	696897	7.57 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 75.70%	
32) Nitrobenzene-d5 (surr)	8.05	128	249287	7.78 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 77.80%	
53) 2-Fluorobiphenyl (surr)	10.87	172	1119610	7.67 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 76.70%	
54) 2,4,6-Tribromophenol (surr	13.20	330	126222	8.54 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 85.40%	
92) 4-Terphenyl-d14 (surr)	16.92	244	1025701	7.12 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 71.20%	

Target Compounds					Qvalue
2) Pyridine	3.83	79	359813	7.51 ug/mL#	77
3) N-Nitrosodimethylamine	3.82	74	305769	7.83 ug/mL	98
4) Phenol	6.72	94	792922	7.60 ug/mL	98
5) Bis(2-chloroethyl)ether	6.85	93	628009	7.77 ug/mL	96
6) 2-Chlorophenol	6.91	128	583926	7.64 ug/mL	99
7) Benzyl Alcohol	7.43	108	413926	7.83 ug/mL	96
8) 1,3-Dichlorobenzene	7.13	146	576165	7.58 ug/mL	97
9) 1,4-Dichlorobenzene	7.24	146	592381	7.62 ug/mL	97
10) 1,2-Dichlorobenzene	7.46	146	537434	7.67 ug/mL	95
11) 2-Methylphenol	7.60	107	486540	7.67 ug/mL	98
12) 3-, 4-Methylphenol	7.83	107	701593	7.62 ug/mL	97
13) Bis(2-chloroisopropyl)ethe	7.65	45	727233	7.54 ug/mL	98
14) N-Nitrosodi-n-propylamine	7.84	70	373837	7.68 ug/mL	95
15) Hexachloroethane	7.97	117	235575	7.63 ug/mL	92
19) Nitrobenzene	8.07	77	689905	7.78 ug/mL	99
20) Isophorone	8.45	82	1025845	7.79 ug/mL	99
21) 2-Nitrophenol	8.56	139	317085	7.62 ug/mL	99
22) 2,4-Dimethylphenol	8.65	122	463728	7.88 ug/mL	99
23) Benzoic Acid	8.82	122	316901	8.84 ug/mL	96
24) Bis(2-chloroethoxy)methane	8.80	93	678222	7.81 ug/mL	100

(#) = qualifier out of range (m) = manual integration
0627606.D 8270.M Tue Jun 28 11:29:50 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627606.D Vial: 5
Acq On : 27 Jun 2005 7:19 pm Operator: MRC
Sample : SVCAL8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:17 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:08:38 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc	Units	Qvalue
25) 2,4-Dichlorophenol	8.93	162	471289	7.96	ug/mL	98
26) 1,2,4-Trichlorobenzene	9.06	180	488346	7.76	ug/mL	96
27) Naphthalene	9.17	128	1526898	7.78	ug/mL	99
28) 4-Chloroaniline	9.33	127	213868m	6.71	ug/mL	
29) Hexachlorobutadiene	9.39	225	309196	7.81	ug/mL	98
30) 4-Chloro-3-methylphenol	10.05	107	573600	8.25	ug/mL	95
31) 2-Methylnaphthalene	10.27	142	1087754	7.75	ug/mL	95
34) Hexachlorocyclopentadiene	10.54	237	162178	9.21	ug/mL	91
35) 2,4,6-Trichlorophenol	10.73	196	363297	7.92	ug/mL	98
36) 2,4,5-Trichlorophenol	10.78	196	385557	8.18	ug/mL	93
37) 2-Chloronaphthalene	11.04	162	1002375	7.86	ug/mL	97
38) 2-Nitroaniline	11.22	65	371880	7.99	ug/mL	93
39) 3-Nitroaniline	11.89	138	56692	5.39	ug/mL	99
40) 1-Methylnaphthalene	10.42	142	979947	7.68	ug/mL	98
41) Dimethylphthalate	11.55	163	1179156	7.76	ug/mL	98
42) Acenaphthylene	11.70	152	1346482	8.04	ug/mL	98
43) 2,6-Dinitrotoluene	11.63	165	264805	7.94	ug/mL	99
44) Acenaphthene	11.98	153	888189	7.74	ug/mL	98
45) 2,4-Dinitrophenol	12.07	184	155526	8.47	ug/mL	95
46) 4-Nitrophenol	12.17	109	179541	8.67	ug/mL	98
47) Dibenzofuran	12.27	168	1451098	7.84	ug/mL	98
48) 2,4-Dinitrotoluene	12.27	165	332516	7.96	ug/mL#	98
49) Fluorene	12.82	166	1081587	7.86	ug/mL	100
50) Diethylphthalate	12.69	149	1090403	7.82	ug/mL	98
51) 4-Chlorophenyl phenyl ethe	12.83	204	552671	7.75	ug/mL	95
52) 4-Nitroaniline	12.87	138	146107	9.39	ug/mL	90
56) 4,6-Dinitro-2-methylphenol	12.92	198	227259	8.23	ug/mL	94
57) Diphenylamine	13.03	169	577265	7.79	ug/mL	97
58) 4-bromophenyl phenyl ether	13.62	248	302356	7.60	ug/mL	97
59) Hexachlorobenzene	13.71	284	294144	7.45	ug/mL	99
60) Pentachlorophenol	14.02	266	234822	8.44	ug/mL	96
61) Phenanthrene	14.35	178	1488789	7.70	ug/mL	99
62) Carbazole	14.70	167	991913	6.45	ug/mL#	94
63) Anthracene	14.43	178	1419406	7.91	ug/mL	99
64) Azobenzene	13.09	77	1294402	7.53	ug/mL	99
65) Di-n-Butylphthalate	15.33	149	1775538	7.69	ug/mL	99
66) Fluoranthene	16.26	202	1573381	7.86	ug/mL	98
67) alpha-BHC	13.63	183	240106	7.75	ug/mL	95
68) beta-BHC	13.97	181	199856	7.86	ug/mL	100
69) gamma-BHC	14.11	183	204622	7.79	ug/mL	100
70) delta-BHC	14.47	183	189059	7.65	ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627606.D Vial: 5
Acq On : 27 Jun 2005 7:19 pm Operator: MRC
Sample : SVCAL8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:17 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:08:38 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.13	100	232672	7.88 ug/mL	99
72)	Aldrin	15.63	66	261648	7.67 ug/mL	98
73)	Heptachlor Epoxide	16.13	353	80408	7.94 ug/mL	98
74)	Endosulfan I	16.62	195	68472	8.26 ug/mL	98
75)	4,4'-DDE	16.84	246	375061	7.99 ug/mL	99
76)	Dieldrin	16.97	79	334040	7.68 ug/mL	99
77)	Endrin	17.25	263	60014	8.26 ug/mL	96
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.37	235	622703	7.88 ug/mL	100
80)	Endosulfan Sulfate	17.84	272	82331	8.61 ug/mL	99
81)	4,4'-DDT	17.85	235	500184	8.23 ug/mL	97
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.47	317	61289	8.28 ug/mL	99
84)	Methoxychlor	18.51	227	998957	8.39 ug/mL	99
86)	Pyrene	16.62	202	1522600	7.02 ug/mL	99
87)	Butylbenzylphthalate	17.74	149	748140	7.38 ug/mL	100
88)	Benzo[a]anthracene	18.55	228	1150959	7.51 ug/mL	98
89)	3,3'-Dichlorobenzidine	18.54	252	128078	7.32 ug/mL	92
90)	Chrysene	18.61	228	1118931	7.50 ug/mL	97
91)	Bis(2-ethylhexyl)phthalate	18.68	149	950885	7.11 ug/mL	96
94)	Di-n-octylphthalate	19.68	149	1433043	7.83 ug/mL	100
95)	Benzo[b]fluoranthene	20.24	252	811638	8.08 ug/mL	95
96)	Benzo[k]fluoranthene	20.29	252	924544	8.21 ug/mL	97
97)	Benzo[a]pyrene	20.81	252	643776	8.17 ug/mL	97
98)	Indeno(1,2,3-c,d)pyrene	23.29	276	248392	7.24 ug/mL	96
99)	Dibenzo[a,h]anthracene	23.36	278	279155m	8.71 ug/mL	
100)	Benzo[g,h,i]perylene	24.00	276	371921m	7.84 ug/mL	

(#) = qualifier out of range (m) = manual integration
0627606.D 8270.M Tue Jun 28 11:29:52 2005 ENV Page 3

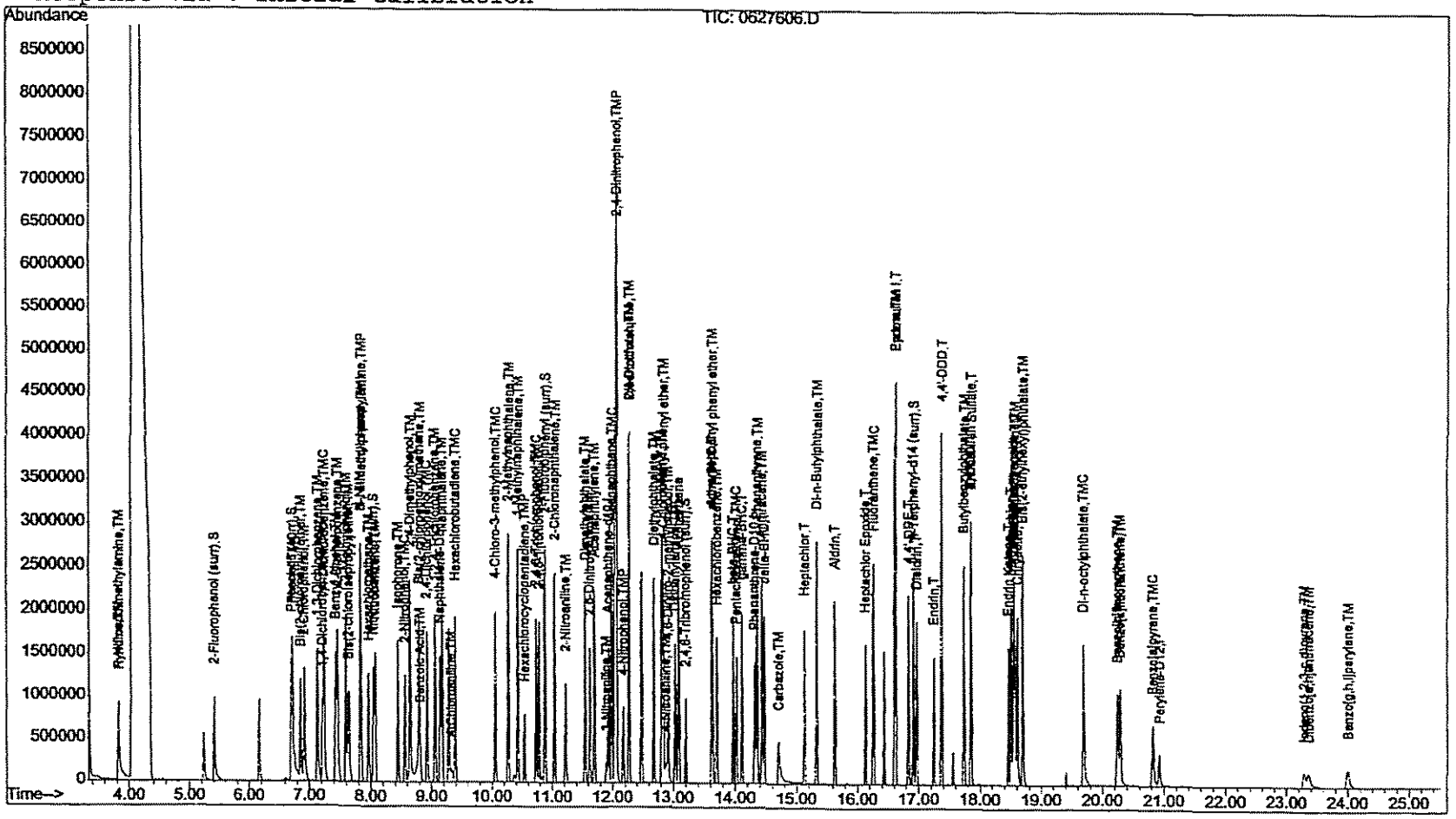
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6062705\0627606.D
Acq On : 27 Jun 2005 7:19 pm
Sample : SVCAL8
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:17 2005

Vial: 5
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D Vial: 4
Acq On : 27 Jun 2005 7:54 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:19 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:17:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MRC 06-28-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.22	152	237981	4.00	ug/mL	0.00
18) Naphthalene-D8	9.14	136	949822	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.93	164	557787	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.32	188	825426	4.00	ug/mL	0.00
85) Chrysene-D12	18.57	240	575674	4.00	ug/mL	0.00
93) Perylene-D12	20.93	264	325480	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.42	112	754113	12.51	ug/mL	0.01
Spiked Amount 10.000			Recovery	=	125.10%	
17) Phenol-d6 (surr)	6.71	99	1145487	12.10	ug/mL	0.01
Spiked Amount 10.000			Recovery	=	121.00%	
32) Nitrobenzene-d5 (surr)	8.05	128	411187	12.23	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	122.30%	
53) 2-Fluorobiphenyl (surr)	10.88	172	1836069	11.83	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	118.30%	
54) 2,4,6-Tribromophenol (surr	13.20	330	204992	12.85	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	128.50%	
92) 4-Terphenyl-d14 (surr)	16.92	244	1691517	11.65	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	116.50%	

Target Compounds						Qvalue
2) Pyridine	3.84	79	731981	14.89	ug/mL#	80
3) N-Nitrosodimethylamine	3.84	74	478358	11.85	ug/mL	95
4) Phenol	6.73	94	1275487	11.88	ug/mL	99
5) Bis(2-chloroethyl)ether	6.86	93	1068480m	12.80	ug/mL	
6) 2-Chlorophenol	6.92	128	962385	12.22	ug/mL	99
7) Benzyl Alcohol	7.44	108	687311	12.57	ug/mL	96
8) 1,3-Dichlorobenzene	7.14	146	930020	11.89	ug/mL	95
9) 1,4-Dichlorobenzene	7.25	146	956696	11.95	ug/mL	98
10) 1,2-Dichlorobenzene	7.46	146	864927	11.97	ug/mL	94
11) 2-Methylphenol	7.61	107	805901	12.33	ug/mL	99
12) 3-, 4-Methylphenol	7.84	107	1156761	12.21	ug/mL	97
13) Bis(2-chloroisopropyl)ethe	7.65	45	1175610	11.85	ug/mL	97
14) N-Nitrosodi-n-propylamine	7.85	70	609059	12.14	ug/mL	98
15) Hexachloroethane	7.96	117	388922	12.24	ug/mL	98
19) Nitrobenzene	8.08	77	1161586	12.49	ug/mL	99
20) Isophorone	8.45	82	1718482	12.43	ug/mL	100
21) 2-Nitrophenol	8.57	139	508815	11.68	ug/mL	96
22) 2,4-Dimethylphenol	8.65	122	762827	12.34	ug/mL	99
23) Benzoic Acid	8.86	122	567335	14.80	ug/mL	98
24) Bis(2-chloroethoxy)methane	8.80	93	1114225	12.21	ug/mL	99

(#) = qualifier out of range (m) = manual integration
0627607.D 8270.M Tue Jun 28 11:30:03 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D Vial: 4
Acq On : 27 Jun 2005 7:54 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:19 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:17:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	2,4-Dichlorophenol	8.93	162	789106	12.65	ug/mL	98
26)	1,2,4-Trichlorobenzene	9.06	180	810564	12.28	ug/mL	95
27)	Naphthalene	9.18	128	2498943	12.14	ug/mL	99
28)	4-Chloroaniline	9.35	127	323179m	9.86	ug/mL	
29)	Hexachlorobutadiene	9.39	225	517605	12.46	ug/mL	98
30)	4-Chloro-3-methylphenol	10.06	107	944468	12.83	ug/mL	94
31)	2-Methylnaphthalene	10.27	142	1771834	12.03	ug/mL	100
34)	Hexachlorocyclopentadiene	10.54	237	260309	13.53	ug/mL	98
35)	2,4,6-Trichlorophenol	10.74	196	592348	12.10	ug/mL	97
36)	2,4,5-Trichlorophenol	10.78	196	640870	12.67	ug/mL	98
37)	2-Chloronaphthalene	11.04	162	1642047	12.07	ug/mL	97
38)	2-Nitroaniline	11.23	65	622800	12.51	ug/mL	99
39)	3-Nitroaniline	11.91	138	62360	5.81	ug/mL	95
40)	1-Methylnaphthalene	10.43	142	1620444	11.94	ug/mL	100
41)	Dimethylphthalate	11.55	163	1931560	11.94	ug/mL	98
42)	Acenaphthylene	11.70	152	2175839	12.15	ug/mL	99
43)	2,6-Dinitrotoluene	11.63	165	432377	12.14	ug/mL	94
44)	Acenaphthene	11.99	153	1458369	11.94	ug/mL	100
45)	2,4-Dinitrophenol	12.08	184	268969	13.58	ug/mL	96
46)	4-Nitrophenol	12.18	109	312913	13.97	ug/mL	97
47)	Dibenzofuran	12.27	168	2360271	11.96	ug/mL	98
48)	2,4-Dinitrotoluene	12.28	165	543731	12.18	ug/mL#	95
49)	Fluorene	12.82	166	1742162	11.87	ug/mL	99
50)	Diethylphthalate	12.69	149	1817488	12.23	ug/mL	98
51)	4-Chlorophenyl phenyl ethe	12.84	204	897441	11.83	ug/mL	97
52)	4-Nitroaniline	12.89	138	214862m	12.60	ug/mL	
56)	4,6-Dinitro-2-methylphenol	12.92	198	383751	12.95	ug/mL	97
57)	Diphenylamine	13.03	169	838028	10.62	ug/mL	97
58)	4-bromophenyl phenyl ether	13.62	248	497113	11.78	ug/mL	93
59)	Hexachlorobenzene	13.71	284	468859	11.22	ug/mL	98
60)	Pentachlorophenol	14.03	266	386165	12.90	ug/mL	96
61)	Phenanthrene	14.36	178	2431223	11.84	ug/mL	97
62)	Carbazole	14.71	167	666255	5.98	ug/mL#	92
63)	Anthracene	14.44	178	2291122	11.97	ug/mL	99
64)	Azobenzene	13.09	77	2159537	11.87	ug/mL	99
65)	Di-n-Butylphthalate	15.33	149	2930540	11.94	ug/mL	99
66)	Fluoranthene	16.27	202	2595086	12.17	ug/mL	97
67)	alpha-BHC	13.64	183	389177	11.82	ug/mL	98
68)	beta-BHC	13.97	181	324205	11.97	ug/mL	100
69)	gamma-BHC	14.11	183	336027	12.03	ug/mL	99
70)	delta-BHC	14.47	183	311846	11.89	ug/mL	100

(#) = qualifier out of range (m) = manual integration
0627607.D 8270.M Tue Jun 28 11:30:03 2005 ENV Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D Vial: 4
Acq On : 27 Jun 2005 7:54 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:19 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:17:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.13	100	380519	12.09 ug/mL	99
72)	Aldrin	15.63	66	431019	11.91 ug/mL	96
73)	Heptachlor Epoxide	16.13	353	127006	11.75 ug/mL	96
74)	Endosulfan I	16.63	195	112292	12.63 ug/mL	98
75)	4,4'-DDE	16.84	246	605985	12.09 ug/mL	99
76)	Dieldrin	16.97	79	547744	11.86 ug/mL	99
77)	Endrin	17.25	263	103093	13.22 ug/mL	100
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.37	235	996110	11.83 ug/mL#	99
80)	Endosulfan Sulfate	17.85	272	128489	12.44 ug/mL	93
81)	4,4'-DDT	17.85	235	800163	12.28 ug/mL	99
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.47	317	105355	13.26 ug/mL	100
84)	Methoxychlor	18.51	227	1623263	12.68 ug/mL	100
86)	Pyrene	16.63	202	2485790	11.40 ug/mL	98
87)	Butylbenzylphthalate	17.74	149	1242617	12.10 ug/mL	98
88)	Benzo[a]anthracene	18.55	228	1894611	12.19 ug/mL	97
89)	3,3'-Dichlorobenzidine	18.54	252	250523	14.15 ug/mL	89
90)	Chrysene	18.61	228	1853039	12.24 ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	18.69	149	1614699	11.99 ug/mL	97
94)	Di-n-octylphthalate	19.69	149	2520118	13.99 ug/mL	100
95)	Benzo[b]fluoranthene	20.25	252	1313117	13.21 ug/mL	97
96)	Benzo[k]fluoranthene	20.29	252	1408165	12.62 ug/mL	99
97)	Benzo[a]pyrene	20.82	252	1058521	13.56 ug/mL	95
98)	Indeno(1,2,3-c,d)pyrene	23.29	276	449795	13.45 ug/mL	98
99)	Dibenzo[a,h]anthracene	23.36	278	493309m	15.39 ug/mL	
100)	Benzo[g,h,i]perylene	24.01	276	611018m	13.08 ug/mL	

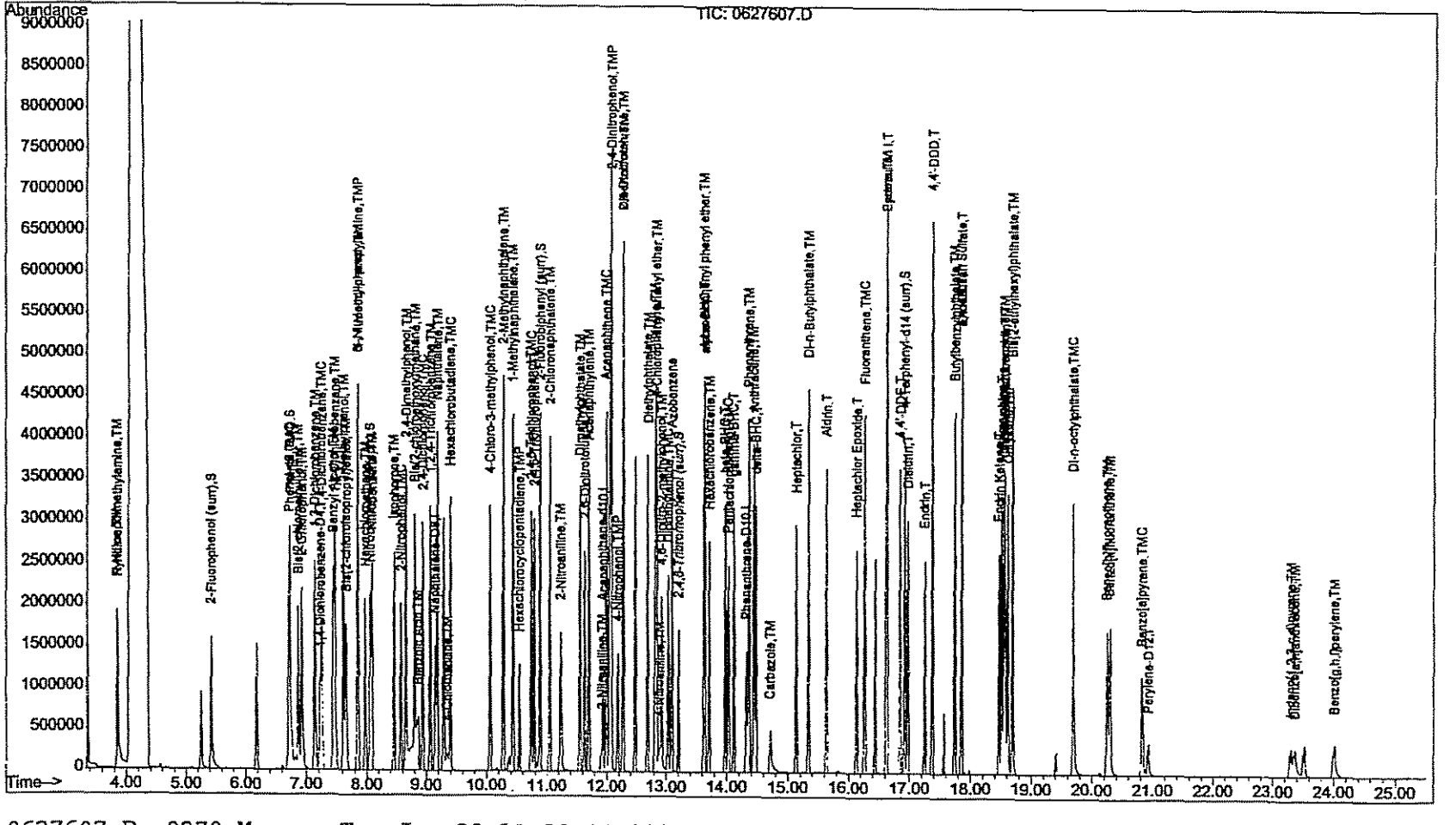
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D
Acq On : 27 Jun 2005 7:54 pm
Sample : SVCAL12
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:19 2005

Vial: 4
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration

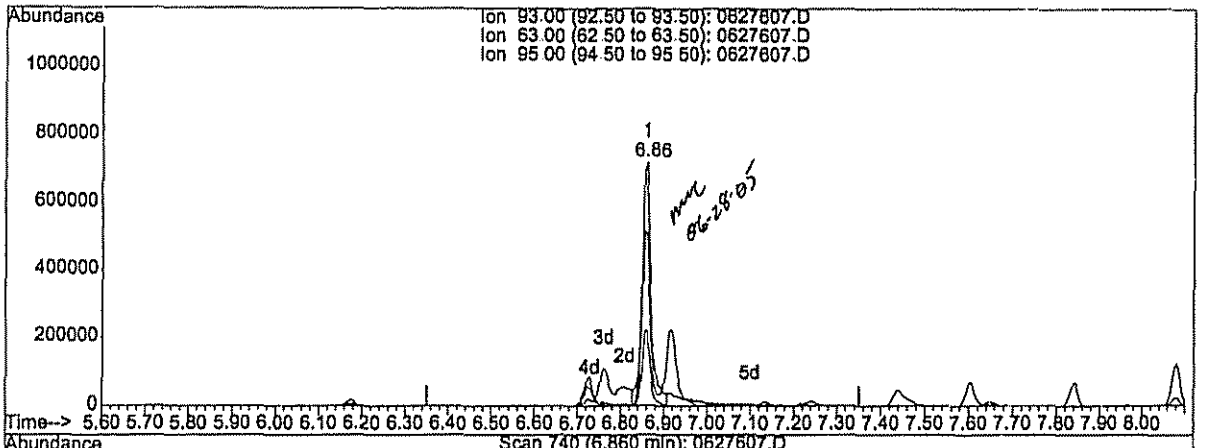


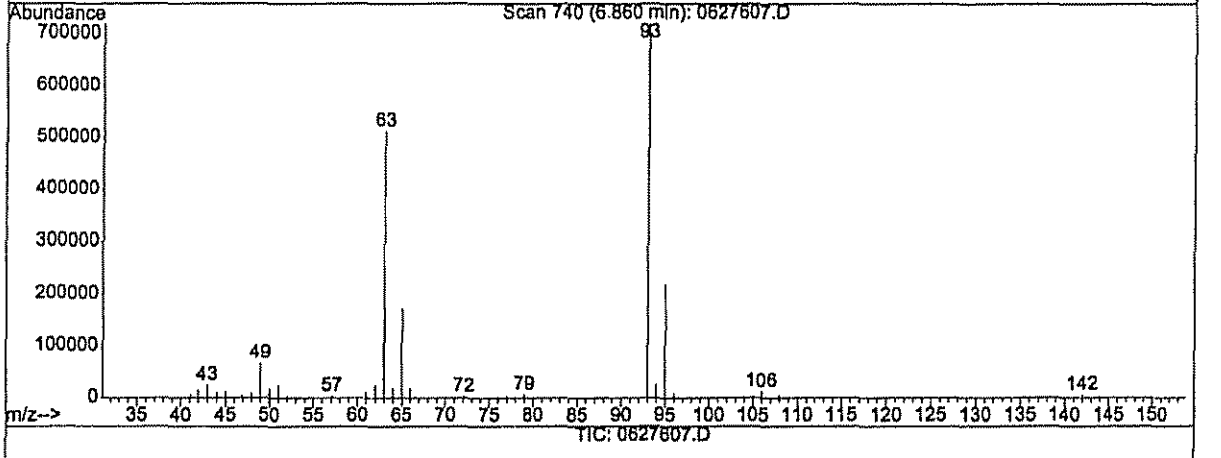
0627607.D 8270.M Tue Jun 28 11:30:08 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D Vial: 4
Acq On : 27 Jun 2005 7:54 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:18 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:17:55 2005
Response via : Multiple Level Calibration





(5) Bis(2-chloroethyl)ether (TM)

6.86min 12.80ug/mL m

response 1068480

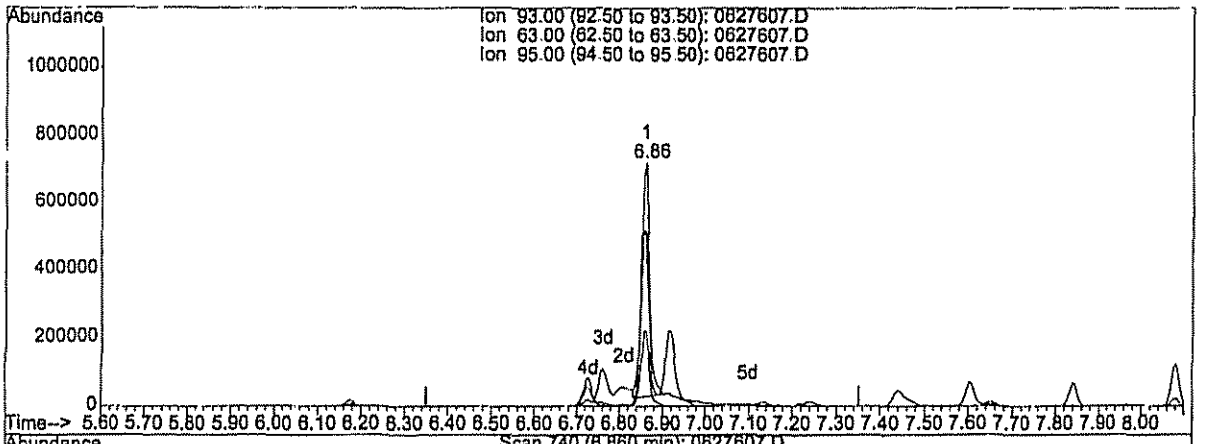
Ion	Exp%	Act%
93.00	100	100
63.00	73.90	71.24
95.00	32.70	30.43
0.00	0.00	0.00

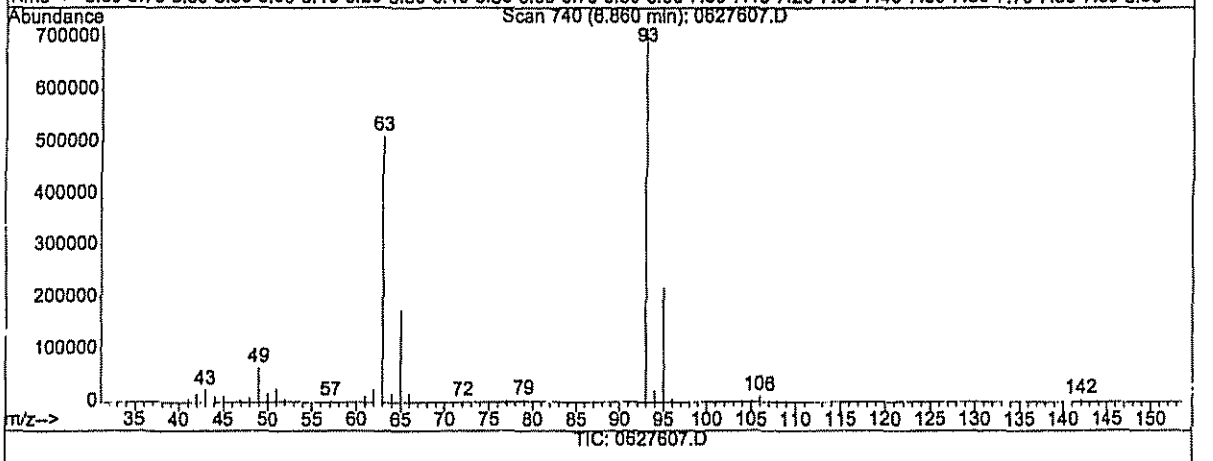
0627607.D 8270.M Tue Jun 28 11:18:22 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D Vial: 4
Acq On : 27 Jun 2005 7:54 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:18 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:17:55 2005
Response via : Multiple Level Calibration





(5) Bis(2-chloroethyl)ether (TM)

6.86min 10.99ug/mL

response 917145

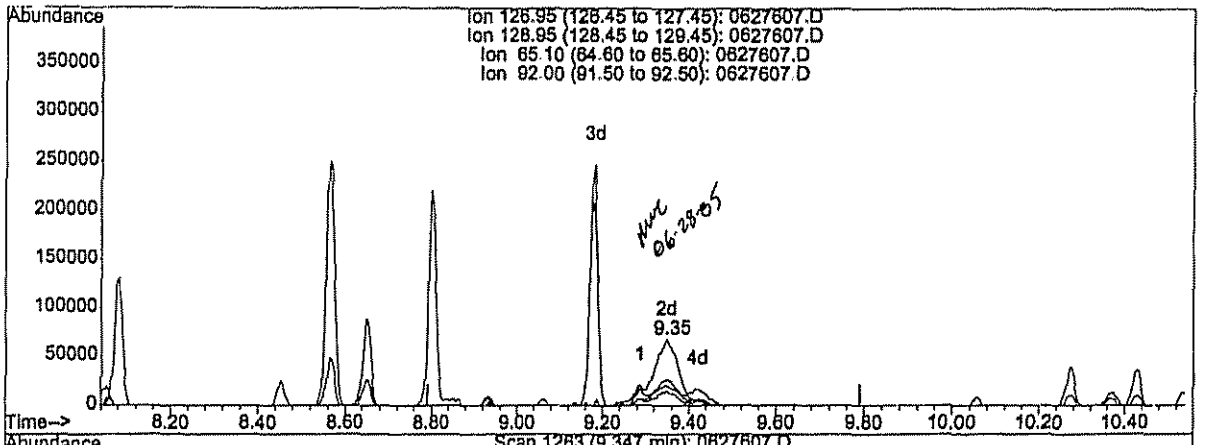
Ion	Exp%	Act%
93.00	100	100
63.00	73.90	74.24
95.00	32.70	32.08
0.00	0.00	0.00

0627607.D 8270.M Tue Jun 28 11:18:18 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D Vial: 4
Acq On : 27 Jun 2005 7:54 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:18 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:17:55 2005
Response via : Multiple Level Calibration



(28) 4-Chloroaniline (TM)

9.35min 9.86ug/mL m

response 323179

Ion	Exp%	Act%
126.95	100	100
128.95	33.90	29.48
65.10	36.70	39.73
92.00	25.90	22.46

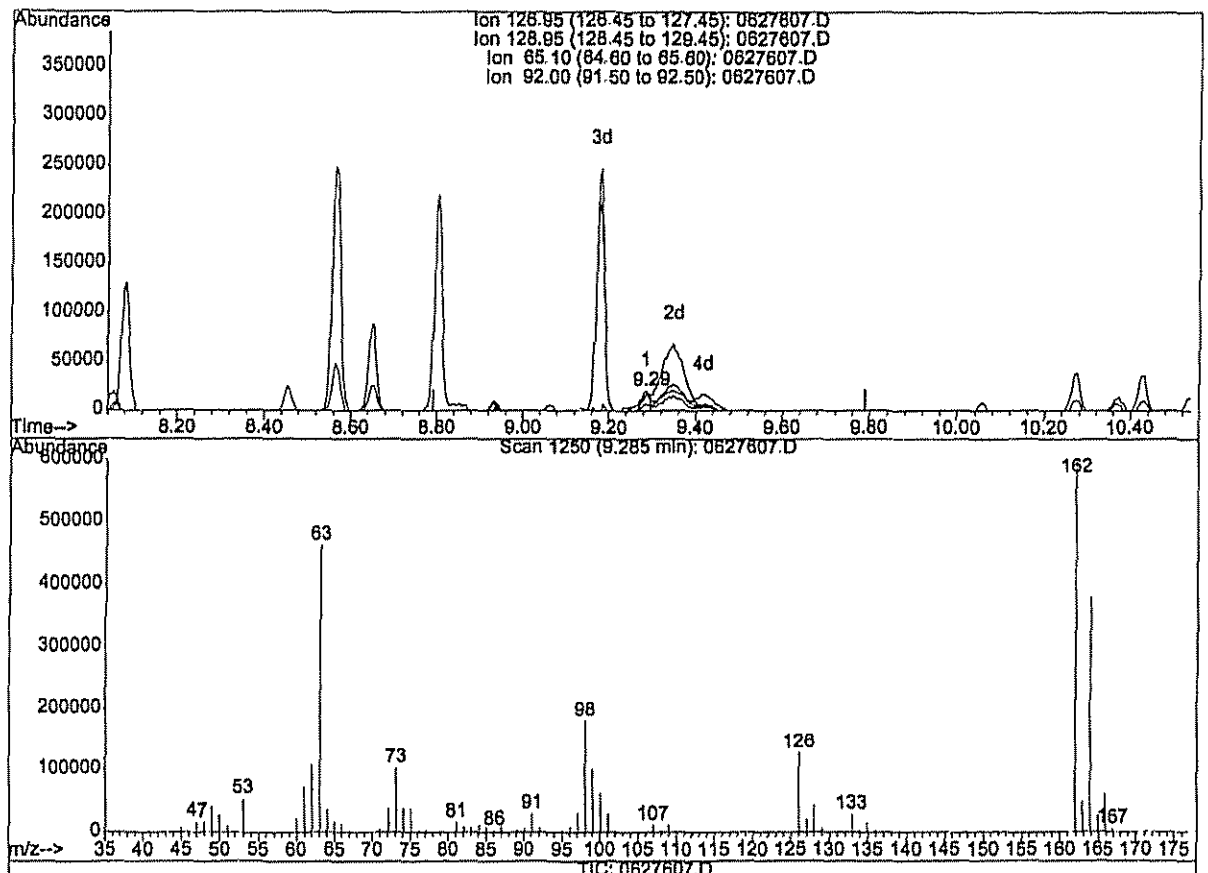
0627607.D 8270.M Tue Jun 28 11:18:45 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D
Acq On : 27 Jun 2005 7:54 pm
Sample : SVCAL12
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:18 2005

Vial: 4
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:17:55 2005
Response via : Multiple Level Calibration



(28) 4-Chloroaniline (TM)

9.29min 1.11ug/mL

response 36554

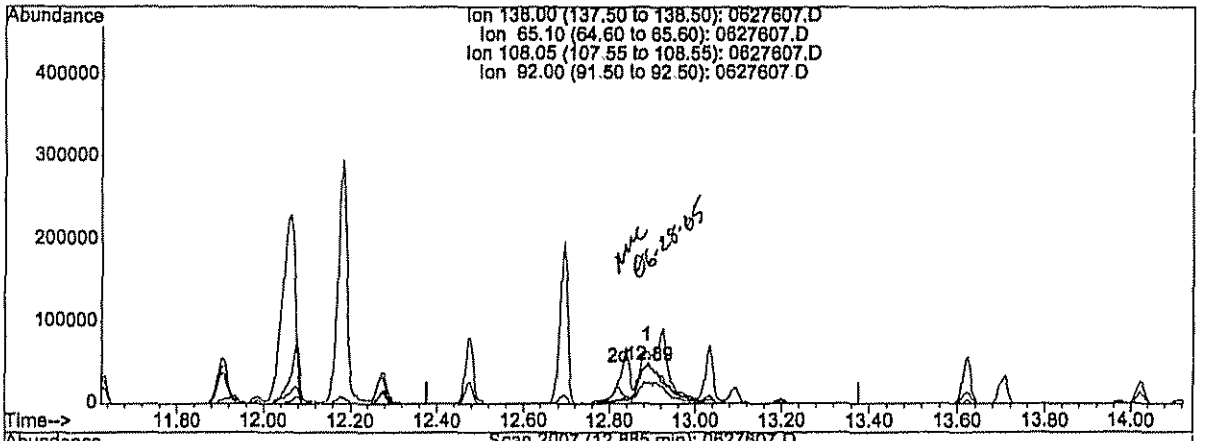
Ion	Exp%	Act%
126.95	100	100
128.95	33.90	29.42
65.10	36.70	84.30#
92.00	25.90	31.19#

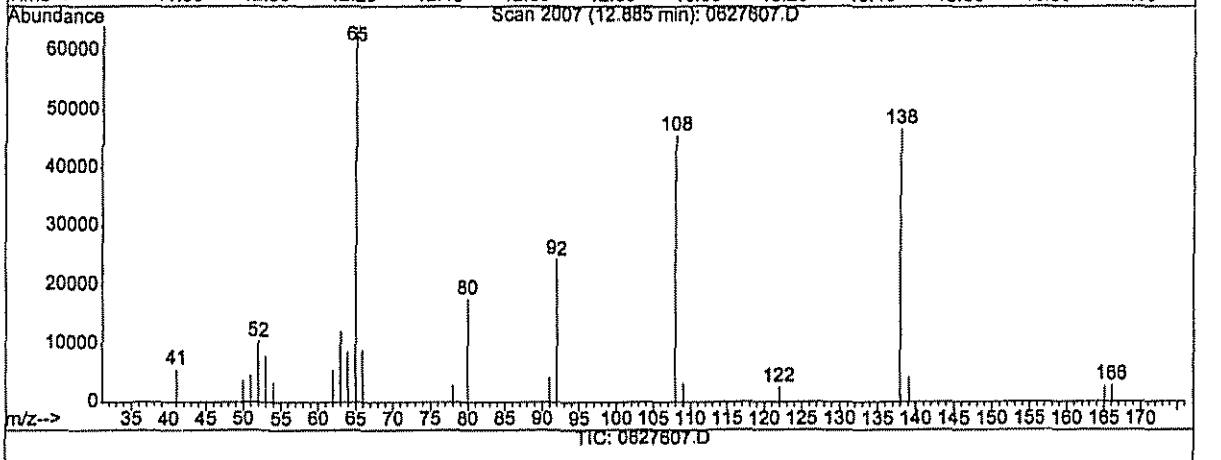
0627607.D 8270.M Tue Jun 28 11:18:41 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D Vial: 4
Acq On : 27 Jun 2005 7:54 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:19 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:17:55 2005
Response via : Multiple Level Calibration





(52) 4-Nitroaniline (TM)

12.89min 12.60ug/mL m

response 214862

Ion	Exp%	Act%
138.00	100	100
65.10	102.50	137.09#
108.05	90.70	97.59
92.00	54.20	51.81

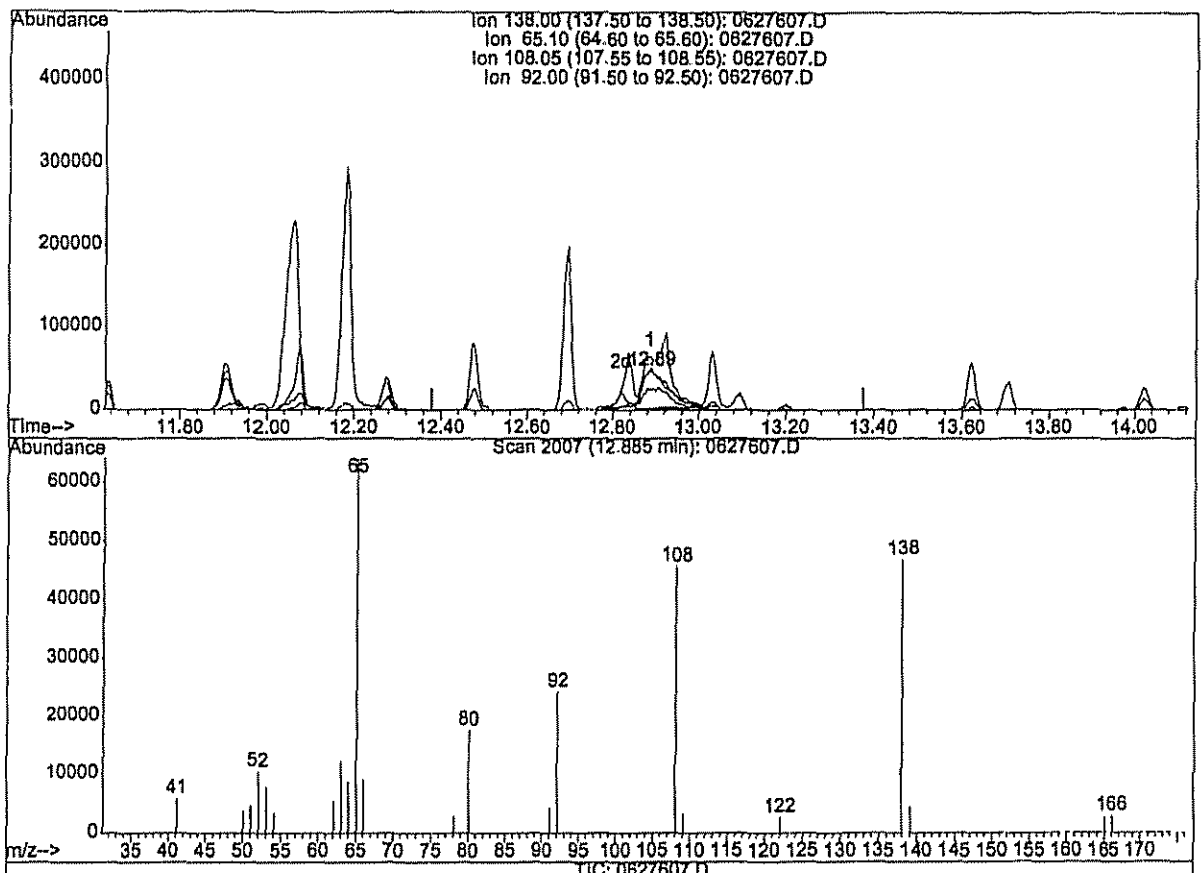
0627607.D 8270.M Tue Jun 28 11:19:09 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D
Acq On : 27 Jun 2005 7:54 pm
Sample : SVCAL12
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:18 2005

Vial: 4
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:17:55 2005
Response via : Multiple Level Calibration



(52) 4-Nitroaniline (TM)

12.89min 10.80ug/mL

response 184118

Ion	Exp%	Act%
138.00	100	100
65.10	102.50	121.41
108.05	90.70	98.12
92.00	54.20	55.94

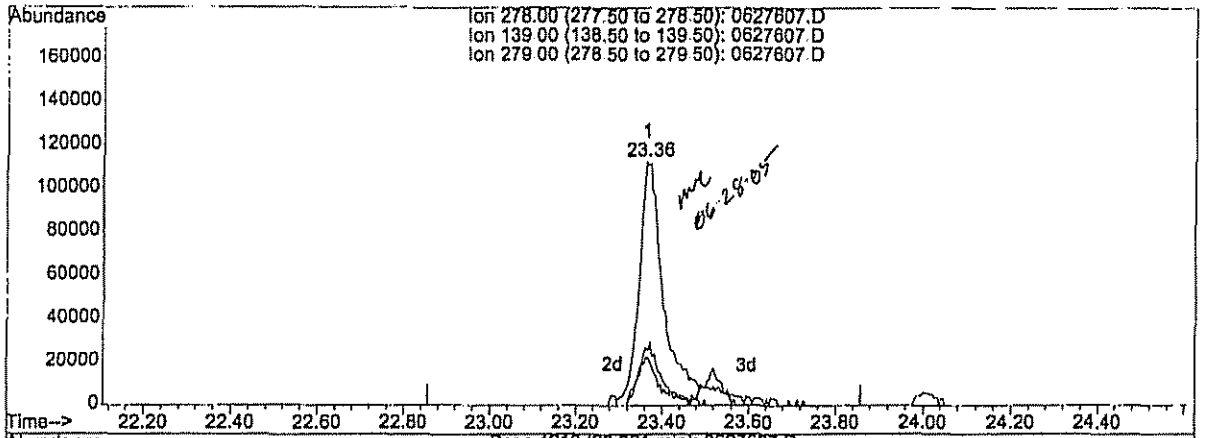
0627607.D 8270.M Tue Jun 28 11:19:05 2005 ENV

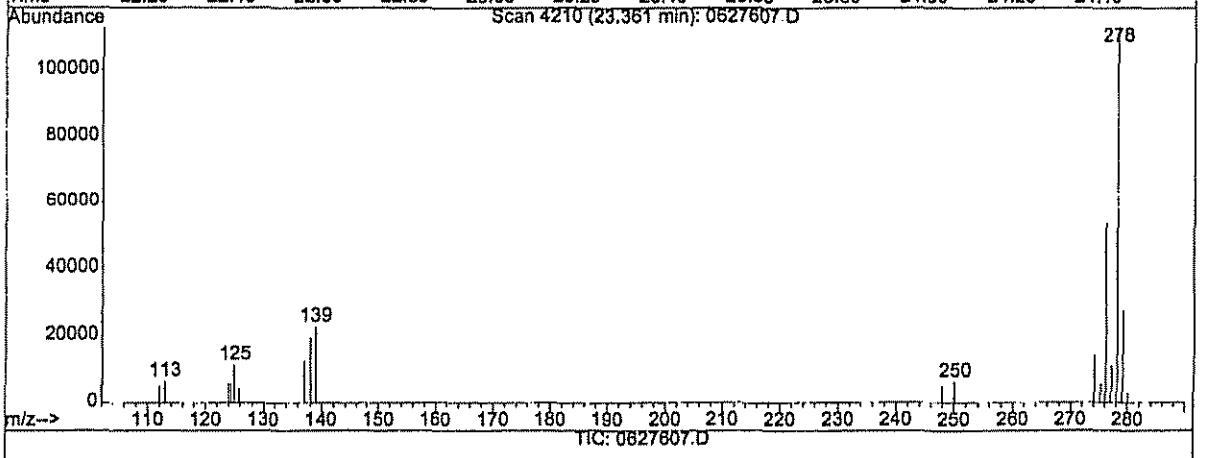
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D
Acq On : 27 Jun 2005 7:54 pm
Sample : SVCAL12
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:19 2005

Vial: 4
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:17:55 2005
Response via : Multiple Level Calibration





(99) Dibenzo[a,h]anthracene (TM)

23.36min 15.39ug/mL m

response 493309

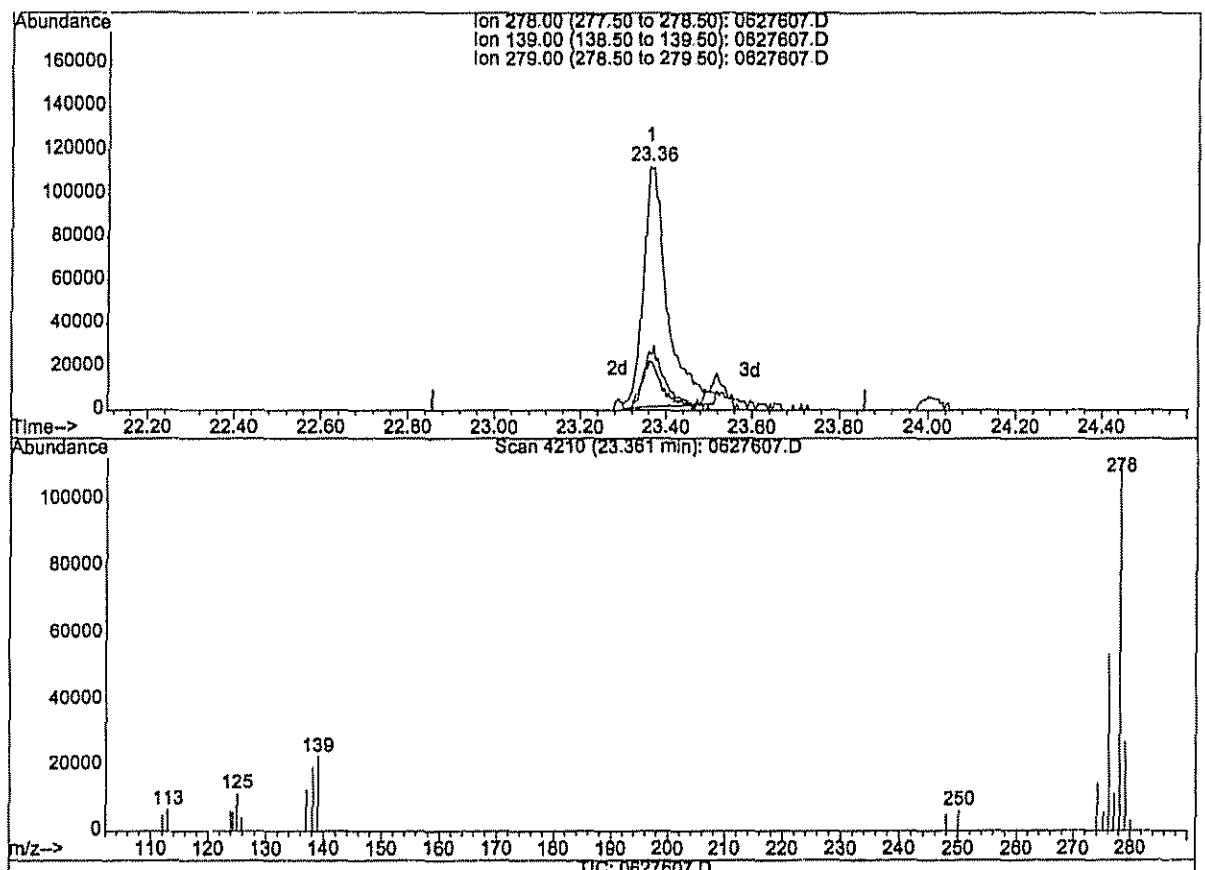
Ion	Exp%	Act%
278.00	100	100
139.00	21.10	20.07
279.00	22.70	24.03
0.00	0.00	0.00

0627607.D 8270.M Tue Jun 28 11:19:43 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D Vial: 4
Acq On : 27 Jun 2005 7:54 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:19 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:17:55 2005
Response via : Multiple Level Calibration



(99) Dibenzo[a,h]anthracene (TM)

23.36min 13.50ug/mL

response 432884

Ion	Exp%	Act%
278.00	100	100
139.00	21.10	20.61
279.00	22.70	24.69
0.00	0.00	0.00

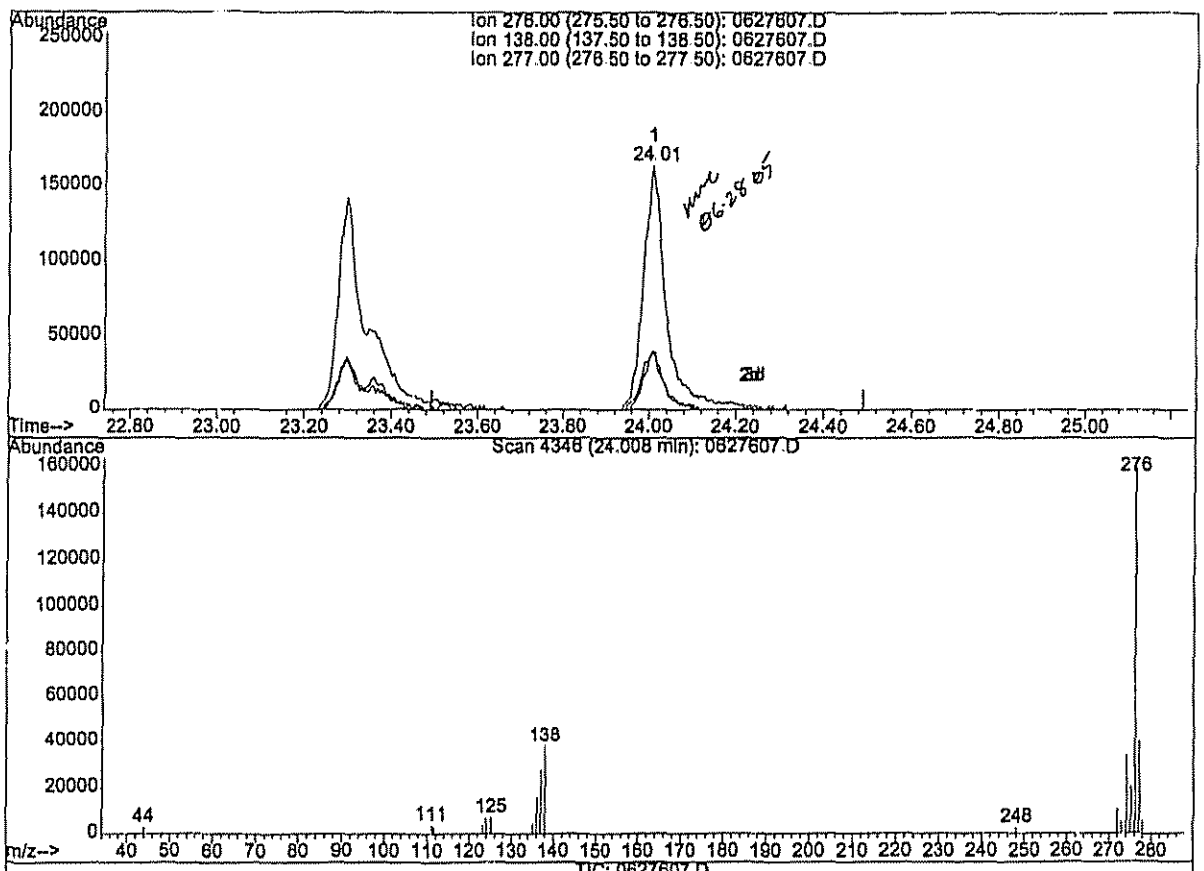
0627607.D 8270.M Tue Jun 28 11:19:38 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D
Acq On : 27 Jun 2005 7:54 pm
Sample : SVCAL12
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:19 2005

Vial: 4
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:17:55 2005
Response via : Multiple Level Calibration



(100) Benzo[g,h,i]perylene (TM)

24.01min 13.08ug/mL m

response 611018

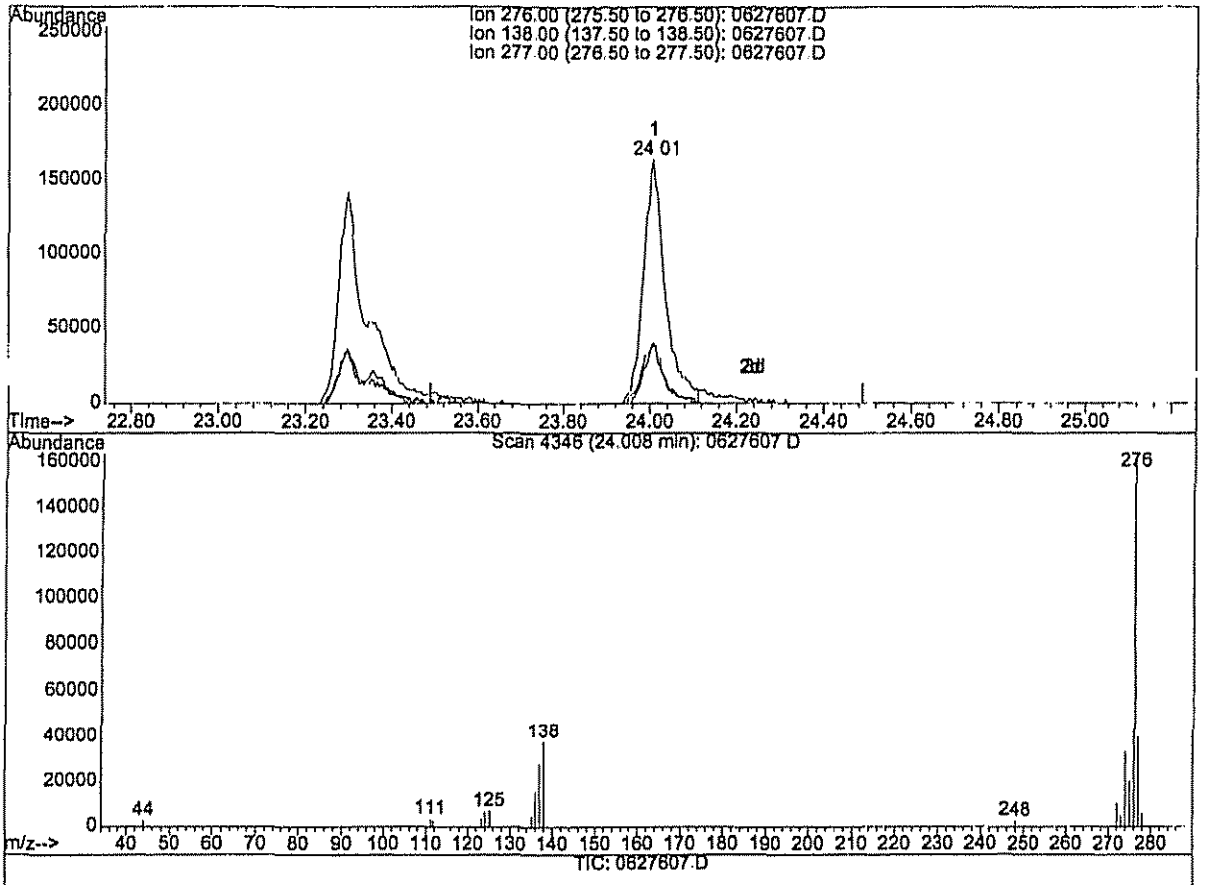
Ion	Exp%	Act%
276.00	100	100
138.00	24.30	23.14
277.00	22.30	24.37
0.00	0.00	0.00

0627607.D 8270.M Tue Jun 28 11:19:50 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D Vial: 4
Acq On : 27 Jun 2005 7:54 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:19 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:17:55 2005
Response via : Multiple Level Calibration



(100) Benzo[g,h,i]perylene (TM)

24.01min 12.28ug/mL

response 573712

Ion	Exp%	Act%
276.00	100	100
138.00	24.30	23.14
277.00	22.30	24.37
0.00	0.00	0.00

0627607.D 8270.M Tue Jun 28 11:19:46 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627608.D Vial: 3
Acq On : 27 Jun 2005 8:29 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:21 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:19:57 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MRC 06-28-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.22	152	222934	4.00	ug/mL	0.00
18) Naphthalene-D8	9.15	136	911407	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.93	164	525502	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.32	188	798983	4.00	ug/mL	0.00
85) Chrysene-D12	18.58	240	523231	4.00	ug/mL	0.01
93) Perylene-D12	20.93	264	293081	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.42	112	1376665	24.25	ug/mL	0.02
Spiked Amount 10.000			Recovery	=	242.50%	
17) Phenol-d6 (surr)	6.72	99	2103201	23.68	ug/mL	0.02
Spiked Amount 10.000			Recovery	=	236.80%	
32) Nitrobenzene-d5 (surr)	8.06	128	757312	23.43	ug/mL	0.01
Spiked Amount 10.000			Recovery	=	234.30%	
53) 2-Fluorobiphenyl (surr)	10.88	172	3348626	22.94	ug/mL	0.01
Spiked Amount 10.000			Recovery	=	229.40%	
54) 2,4,6-Tribromophenol (surr	13.21	330	385526	25.43	ug/mL	0.01
Spiked Amount 10.000			Recovery	=	254.30%	
92) 4-Terphenyl-d14 (surr)	16.93	244	3066517	23.33	ug/mL	0.02
Spiked Amount 10.000			Recovery	=	233.30%	

Target Compounds						Qvalue
2) Pyridine	3.86	79	1263575m	26.53	ug/mL	
3) N-Nitrosodimethylamine	3.88	74	918653	24.33	ug/mL	97
4) Phenol	6.74	94	2333792	23.24	ug/mL	99
5) Bis(2-chloroethyl)ether	6.87	93	1903810	24.15	ug/mL	99
6) 2-Chlorophenol	6.92	128	1754346	23.73	ug/mL	98
7) Benzyl Alcohol	7.45	108	1256357	24.39	ug/mL	91
8) 1,3-Dichlorobenzene	7.14	146	1675978	22.90	ug/mL	98
9) 1,4-Dichlorobenzene	7.25	146	1759707	23.47	ug/mL	99
10) 1,2-Dichlorobenzene	7.47	146	1549245	22.90	ug/mL	94
11) 2-Methylphenol	7.61	107	1461843	23.79	ug/mL	97
12) 3-, 4-Methylphenol	7.86	107	2116459	23.79	ug/mL	98
13) Bis(2-chloroisopropyl)ethe	7.65	45	2163971	23.33	ug/mL	99
14) N-Nitrosodi-n-propylamine	7.87	70	1119411	23.78	ug/mL	97
15) Hexachloroethane	7.97	117	712096	23.86	ug/mL	99
19) Nitrobenzene	8.09	77	2116368	23.59	ug/mL	98
20) Isophorone	8.47	82	3143702	23.59	ug/mL	99
21) 2-Nitrophenol	8.57	139	927484	22.26	ug/mL	98
22) 2,4-Dimethylphenol	8.66	122	1377090	23.13	ug/mL	97
23) Benzoic Acid	8.92	122	1094388	28.91	ug/mL	97
24) Bis(2-chloroethoxy)methane	8.81	93	2018119	23.00	ug/mL	98

(#) = qualifier out of range (m) = manual integration
0627608.D 8270.M Tue Jun 28 11:30:15 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627608.D Vial: 3
Acq On : 27 Jun 2005 8:29 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:21 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:19:57 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	8.94	162	1428887	23.72 ug/mL	98
26) 1,2,4-Trichlorobenzene	9.07	180	1461510	23.00 ug/mL	94
27) Naphthalene	9.19	128	4556076	23.03 ug/mL	100
28) 4-Chloroaniline	9.32	127	889556	28.92 ug/mL	95
29) Hexachlorobutadiene	9.40	225	935105	23.34 ug/mL	97
30) 4-Chloro-3-methylphenol	10.07	107	1752086	24.60 ug/mL	95
31) 2-Methylnaphthalene	10.28	142	3264730	23.10 ug/mL	99
34) Hexachlorocyclopentadiene	10.54	237	468094	25.42 ug/mL	97
35) 2,4,6-Trichlorophenol	10.74	196	1120946	24.28 ug/mL	99
36) 2,4,5-Trichlorophenol	10.79	196	1146386	23.90 ug/mL	97
37) 2-Chloronaphthalene	11.05	162	2951124	23.02 ug/mL	97
38) 2-Nitroaniline	11.23	65	1179779	25.03 ug/mL	96
39) 3-Nitroaniline	11.92	138	260459	27.55 ug/mL	96
40) 1-Methylnaphthalene	10.44	142	2933778	22.96 ug/mL	100
41) Dimethylphthalate	11.56	163	3567548	23.42 ug/mL	100
42) Acenaphthylene	11.71	152	3657246	21.64 ug/mL	99
43) 2,6-Dinitrotoluene	11.64	165	802201	23.86 ug/mL	99
44) Acenaphthene	11.99	153	2677372	23.28 ug/mL	99
45) 2,4-Dinitrophenol	12.09	184	482056	25.42 ug/mL	91
46) 4-Nitrophenol	12.20	109	577464	26.81 ug/mL	95
47) Dibenzofuran	12.28	168	4302153	23.15 ug/mL	99
48) 2,4-Dinitrotoluene	12.29	165	993037	23.56 ug/mL#	71
49) Fluorene	12.82	166	3208079	23.24 ug/mL	99
50) Diethylphthalate	12.70	149	3315962	23.63 ug/mL	98
51) 4-Chlorophenyl phenyl ethe	12.84	204	1628214	22.82 ug/mL	99
52) 4-Nitroaniline	12.91	138	299880m	18.55 ug/mL	
56) 4,6-Dinitro-2-methylphenol	12.94	198	698931	24.13 ug/mL	96
57) Diphenylamine	13.04	169	1282434	17.04 ug/mL	100
58) 4-bromophenyl phenyl ether	13.63	248	912285	22.39 ug/mL	98
59) Hexachlorobenzene	13.71	284	881903	21.99 ug/mL	98
60) Pentachlorophenol	14.03	266	724941	24.78 ug/mL	98
61) Phenanthrene	14.36	178	4454171	22.45 ug/mL	98
62) Carbazole	14.71	167	1092566	10.80 ug/mL	95
63) Anthracene	14.44	178	4058029	21.92 ug/mL	99
64) Azobenzene	13.10	77	3951777	22.47 ug/mL	99
65) Di-n-Butylphthalate	15.34	149	5487829	23.12 ug/mL	99
66) Fluoranthene	16.28	202	4725737	22.85 ug/mL	99
67) alpha-BHC	13.64	183	701795	22.06 ug/mL	99
68) beta-BHC	13.98	181	624557	23.83 ug/mL	96
69) gamma-BHC	14.12	183	604865	22.36 ug/mL	98
70) delta-BHC	14.48	183	581371	22.93 ug/mL	99

(#) = qualifier out of range (m) = manual integration
0627608.D 8270.M Tue Jun 28 11:30:16 2005 ENV Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627608.D Vial: 3
Acq On : 27 Jun 2005 8:29 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:21 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:19:57 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.13	100	705490	23.13 ug/mL	98
72)	Aldrin	15.63	66	790030	22.57 ug/mL	98
73)	Heptachlor Epoxide	16.14	353	239677	22.97 ug/mL	99
74)	Endosulfan I	16.63	195	196544	22.69 ug/mL	97
75)	4,4'-DDE	16.85	246	1121838	23.11 ug/mL	99
76)	Dieldrin	16.97	79	995909	22.31 ug/mL	100
77)	Endrin	17.26	263	188451	24.66 ug/mL	99
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.38	235	1835383	22.56 ug/mL#	99
80)	Endosulfan Sulfate	17.85	272	221981	22.11 ug/mL	92
81)	4,4'-DDT	17.86	235	1447941	22.88 ug/mL	98
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.47	317	185836	23.85 ug/mL	97
84)	Methoxychlor	18.52	227	2831392	22.69 ug/mL	98
86)	Pyrene	16.64	202	4578880	23.24 ug/mL#	95
87)	Butylbenzylphthalate	17.75	149	2277825	24.38 ug/mL	97
88)	Benzo[a]anthracene	18.56	228	3328290	23.51 ug/mL	98
89)	3,3'-Dichlorobenzidine	18.55	252	503428	30.60 ug/mL	92
90)	Chrysene	18.62	228	3189061	23.11 ug/mL	98
91)	Bis(2-ethylhexyl)phthalate	18.69	149	2863777	23.39 ug/mL	96
94)	Di-n-octylphthalate	19.69	149	4456368	26.92 ug/mL	100
95)	Benzo[b]fluoranthene	20.26	252	2464370	27.20 ug/mL	97
96)	Benzo[k]fluoranthene	20.30	252	2407528	23.81 ug/mL	97
97)	Benzo[a]pyrene	20.83	252	1919720	26.88 ug/mL	97
98)	Indeno(1,2,3-c,d)pyrene	23.31	276	1026186	33.58 ug/mL	99
99)	Dibenzo[a,h]anthracene	23.38	278	976788	32.69 ug/mL	94
100)	Benzo[g,h,i]perylene	24.03	276	1142435	26.86 ug/mL	99

(#) = qualifier out of range (m) = manual integration
0627608.D 8270.M Tue Jun 28 11:30:16 2005 ENV Page 3

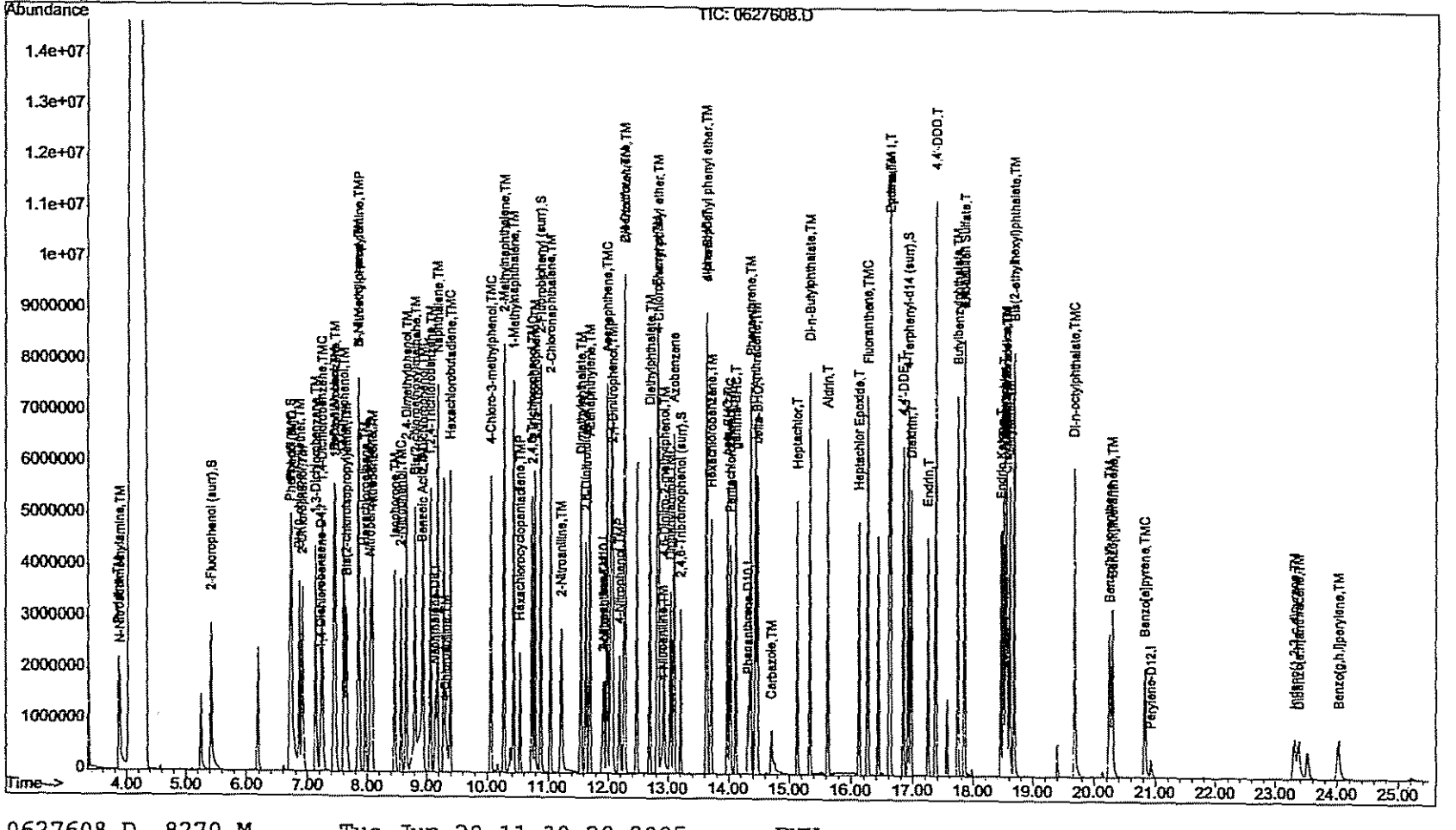
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6062705\0627608.D
Acq On : 27 Jun 2005 8:29 pm
Sample : SVCAL24
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:21 2005

Vial: 3
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration



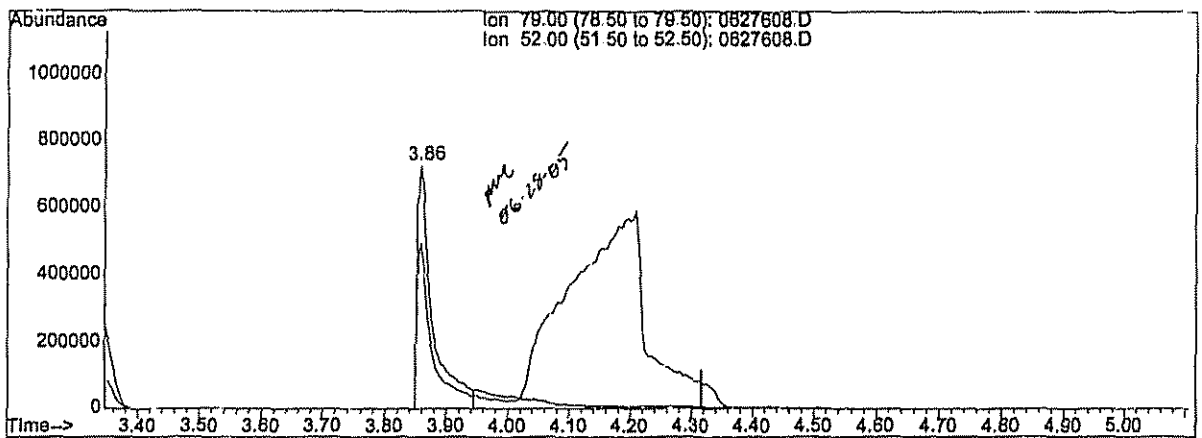
0627608.D 8270.M Tue Jun 28 11:30:20 2005 ENV

Page 4

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627608.D Vial: 3
Acq On : 27 Jun 2005 8:29 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:20 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:19:57 2005
Response via : Multiple Level Calibration



(2) Pyridine (TM)

3.86min 26.53ug/mL m

response 1263575

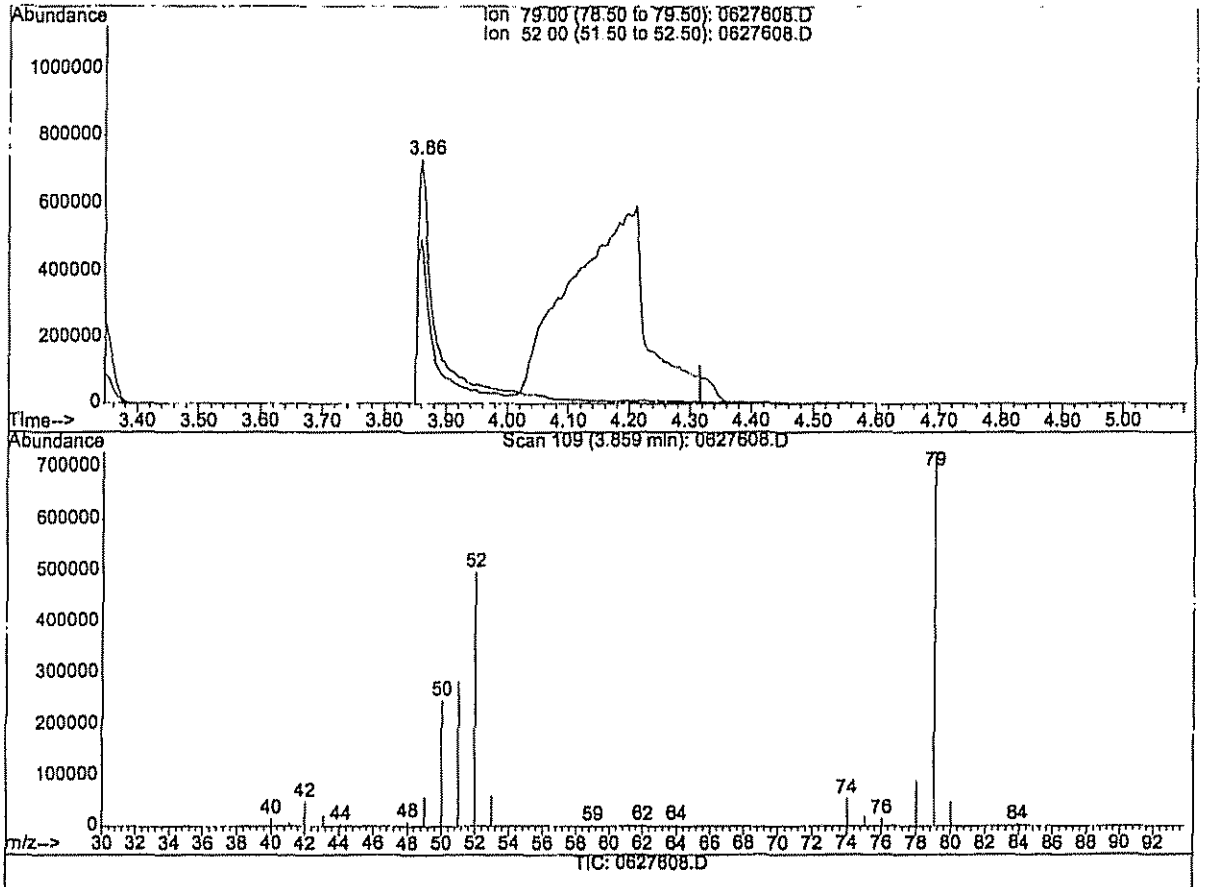
Ion	Exp%	Act%
79.00	100	100
52.00	59.70	71.89#
0.00	0.00	0.00
0.00	0.00	0.00

0627608.D 8270.M Tue Jun 28 11:20:25 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627608.D Vial: 3
Acq On : 27 Jun 2005 8:29 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:20 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:19:57 2005
Response via : Multiple Level Calibration



(2) Pyridine (TM)

3.86min 32.86ug/mL

response 1564855

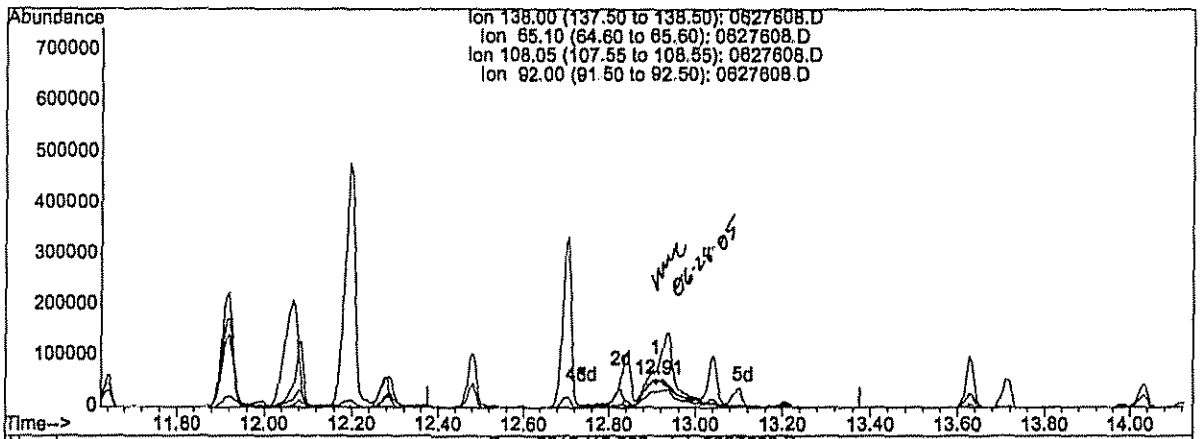
Ion	Exp%	Act%
79.00	100	100
52.00	59.70	58.05
0.00	0.00	0.00
0.00	0.00	0.00

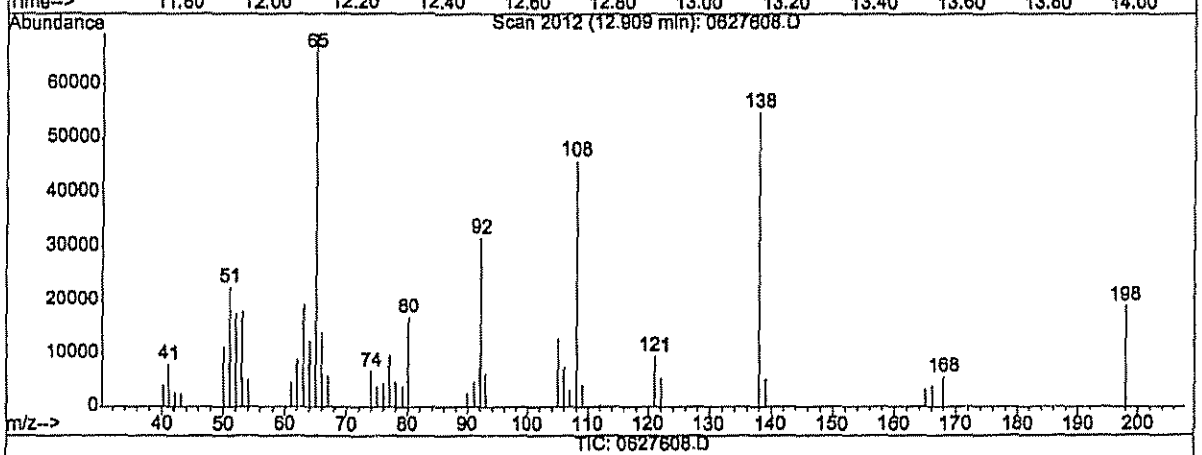
0627608.D 8270.M Tue Jun 28 11:20:21 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627608.D Vial: 3
Acq On : 27 Jun 2005 8:29 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:21 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:19:57 2005
Response via : Multiple Level Calibration





(52) 4-Nitroaniline (TM)

12.91min 18.55ug/mL m

response 299880

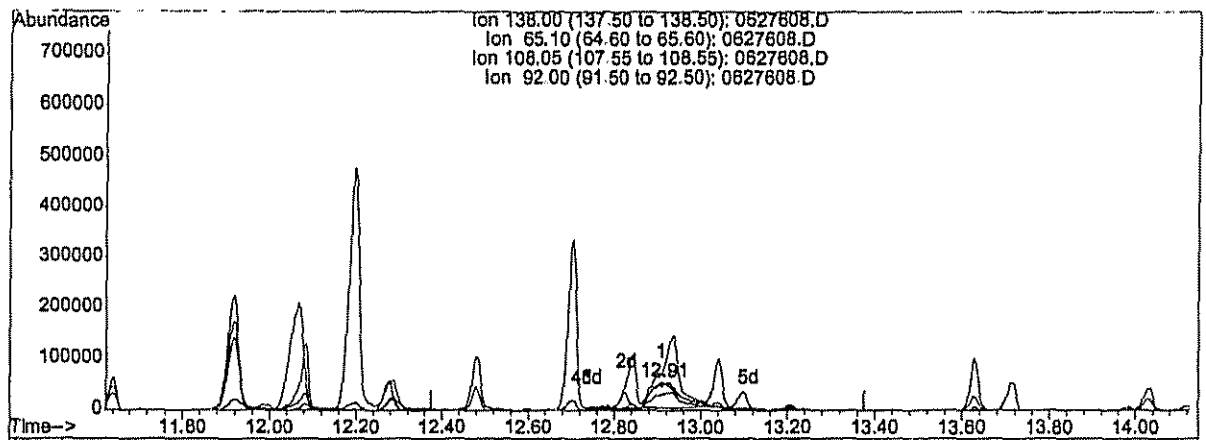
Ion	Exp%	Act%
138.00	100	100
65.10	102.50	126.83#
108.05	90.70	83.55
92.00	54.20	57.60

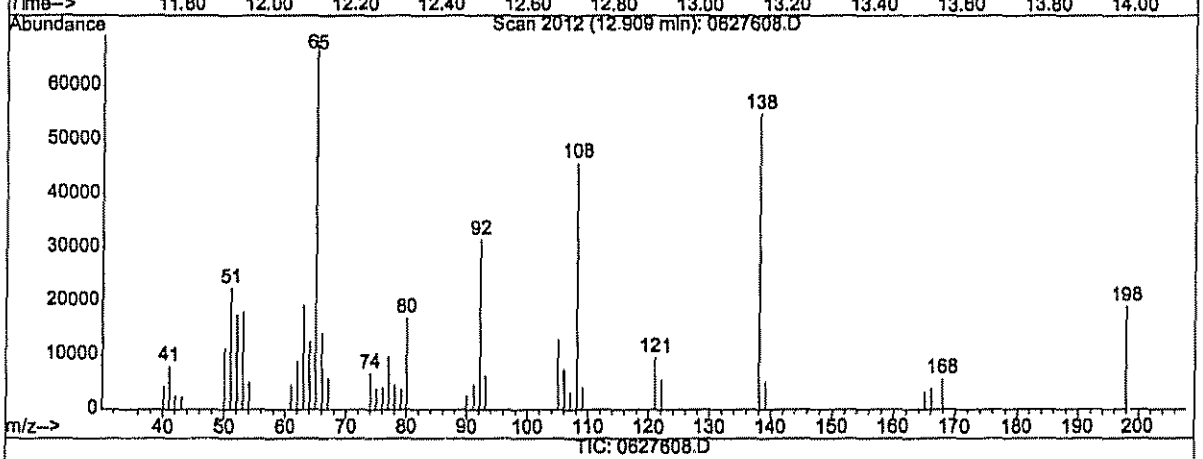
0627608.D 8270.M Tue Jun 28 11:21:10 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627608.D Vial: 3
Acq On : 27 Jun 2005 8:29 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:20 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:19:57 2005
Response via : Multiple Level Calibration





(52) 4-Nitroaniline (TM)

12.91min 12.97ug/mL

response 209580

Ion	Exp%	Act%
138.00	100	100
65.10	102.50	98.69
108.05	90.70	80.47
92.00	54.20	55.73

0627608.D 8270.M Tue Jun 28 11:21:06 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6062705\0627609.D Vial: 2
Acq On : 27 Jun 2005 9:03 pm Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:22 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:21:41 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.14	100	1298077	44.01 ug/mL	99
72)	Aldrin	15.64	66	1382026	40.57 ug/mL	95
73)	Heptachlor Epoxide	16.14	353	461621	45.22 ug/mL	100
74)	Endosulfan I	16.65	195	325467	38.42 ug/mL	93
75)	4,4'-DDE	16.86	246	2019975	42.31 ug/mL	99
76)	Dieldrin	16.98	79	1782099	40.81 ug/mL	100
77)	Endrin	17.26	263	333305	44.33 ug/mL	98
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.39	235	3234614	40.29 ug/mL	100
80)	Endosulfan Sulfate	17.86	272	315677	31.59 ug/mL#	89
81)	4,4'-DDT	17.87	235	2424111	38.79 ug/mL	96
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.48	317	304041	38.98 ug/mL	98
84)	Methoxychlor	18.52	227	4505574	36.47 ug/mL	99
86)	Pyrene	16.66	202	8526822	52.67 ug/mL#	94
87)	Butylbenzylphthalate	17.75	149	3778632	48.78 ug/mL	97
88)	Benzo[a]anthracene	18.57	228	5561619	47.11 ug/mL	99
89)	3,3'-Dichlorobenzidine	18.56	252	981405	68.19 ug/mL	89
90)	Chrysene	18.63	228	5326013	46.24 ug/mL	98
91)	Bis(2-ethylhexyl)phthalate	18.70	149	4769058	47.18 ug/mL	96
94)	Di-n-octylphthalate	19.70	149	7012554	50.25 ug/mL	100
95)	Benzo[b]fluoranthene	20.27	252	3758831	48.46 ug/mL	98
96)	Benzo[k]fluoranthene	20.31	252	3586625	41.57 ug/mL	99
97)	Benzo[a]pyrene	20.84	252	3101235	50.83 ug/mL	96
98)	Indeno(1,2,3-c,d)pyrene	23.33	276	2099553	81.76 ug/mL	98
99)	Dibenzo[a,h]anthracene	23.40	278	1941305	77.19 ug/mL	96
100)	Benzo[g,h,i]perylene	24.05	276	2144228	59.56 ug/mL	98

(#) = qualifier out of range (m) = manual integration

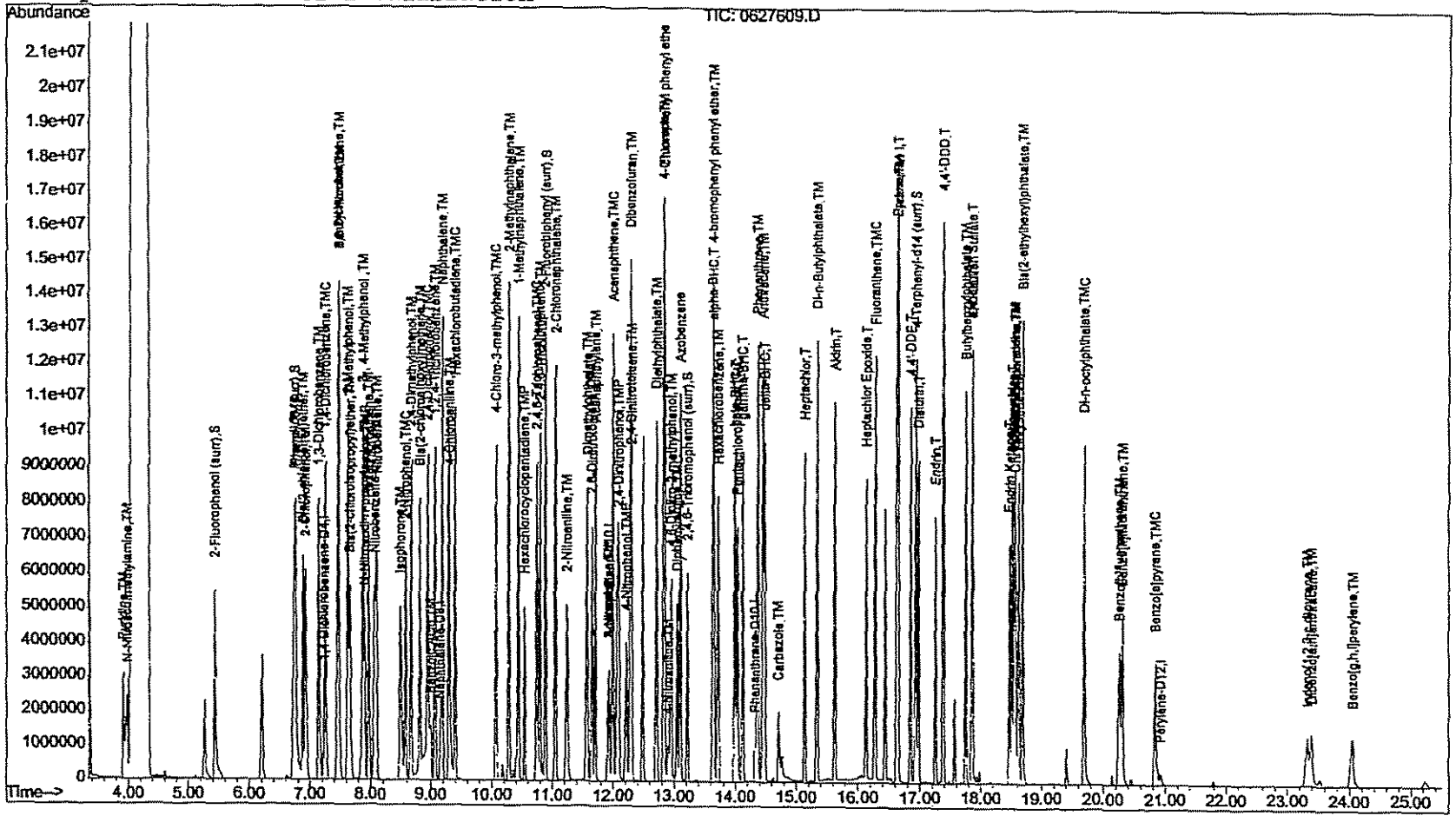
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6062705\0627609.D
Acq On : 27 Jun 2005 9:03 pm
Sample : SVCAL48
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:22 2005

Vial: 2
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration



0627609.D 8270.M Tue Jun 28 11:30:32 2005 ENV

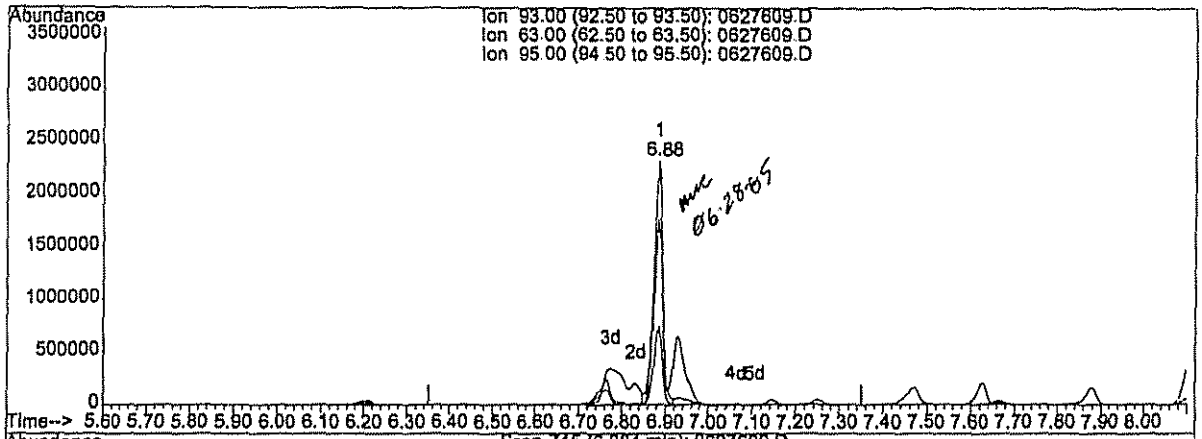
N.C. CERTIFICATION #481

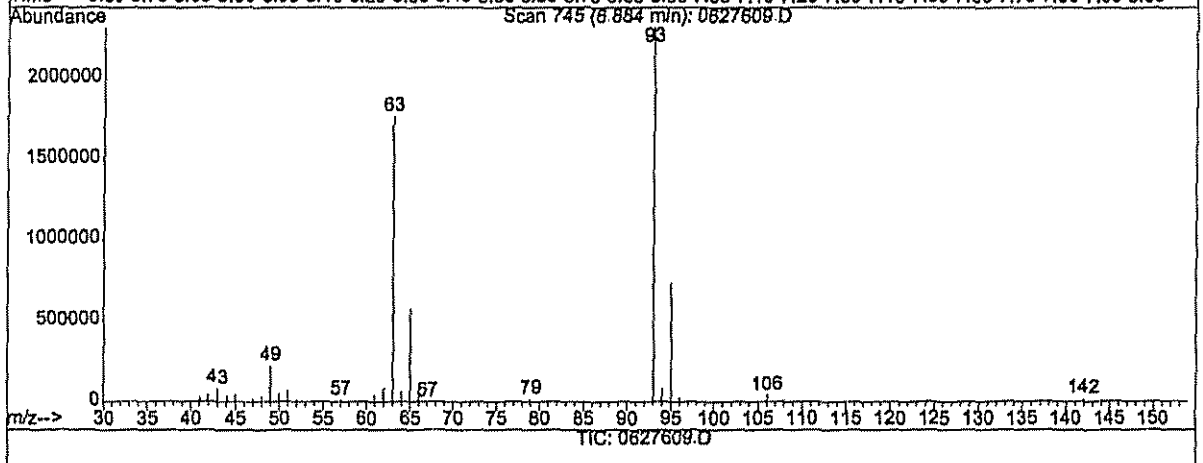
PARADIGM ANALYTICAL LABORATORIES, INC.

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627609.D Vial: 2
Acq On : 27 Jun 2005 9:03 pm Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:22 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:21:41 2005
Response via : Multiple Level Calibration





(5) Bis(2-chloroethyl)ether (TM)

6.88min 42.78ug/mL m

response 3310768

Ion	Exp%	Act%
93.00	100	100
63.00	73.90	76.56
95.00	32.70	31.98
0.00	0.00	0.00

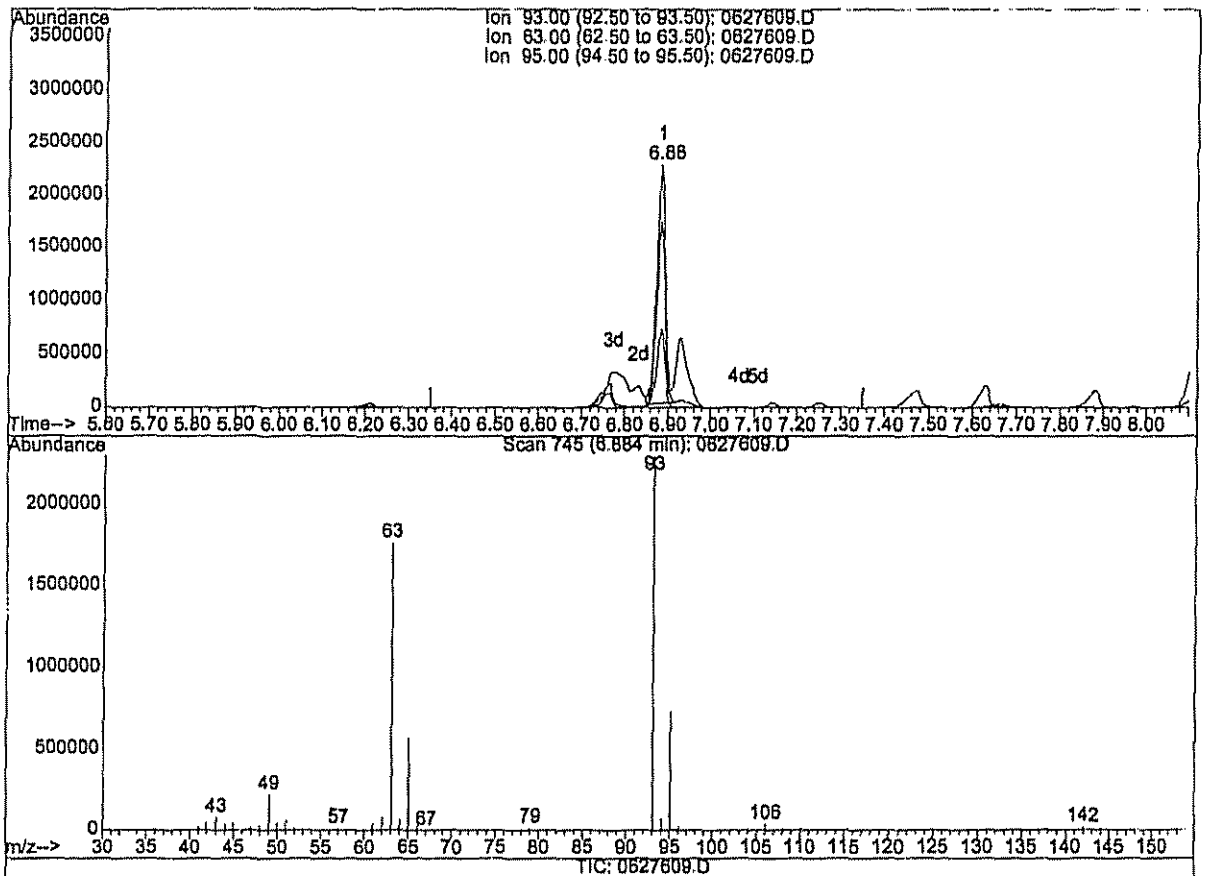
0627609.D 8270.M Tue Jun 28 11:22:17 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627609.D
Acq On : 27 Jun 2005 9:03 pm
Sample : SVCAL48
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:21 2005

Vial: 2
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:21:41 2005
Response via : Multiple Level Calibration



(5) Bis(2-chloroethyl)ether (TM)

6.88min 40.19ug/mL

response 3110279

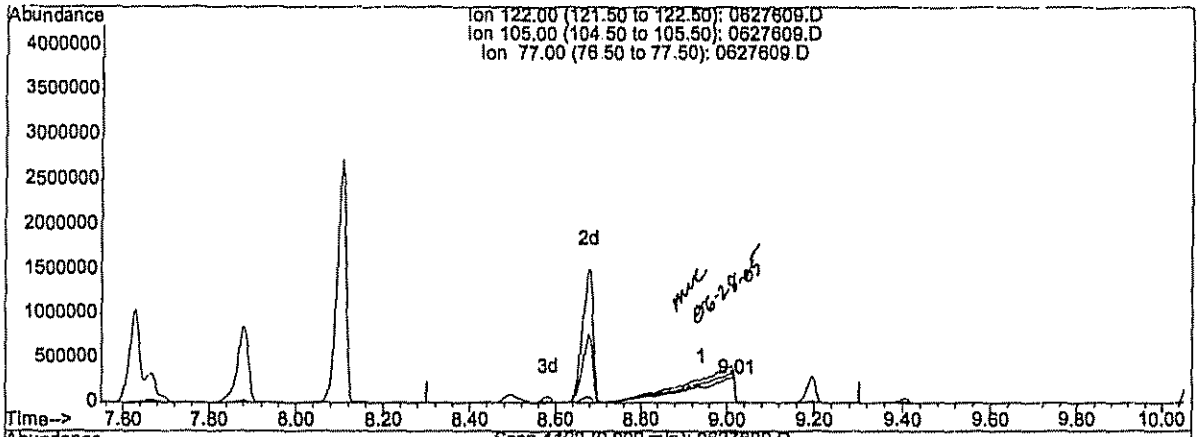
Ion	Exp%	Act%
93.00	100	100
63.00	73.90	77.72
95.00	32.70	32.73
0.00	0.00	0.00

0627609.D 8270.M Tue Jun 28 11:22:12 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627609.D Vial: 2
Acq On : 27 Jun 2005 9:03 pm Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:22 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:21:41 2005
Response via : Multiple Level Calibration



(23) Benzoic Acid (TM)

9.01min 58.66ug/mL m

response 2191443

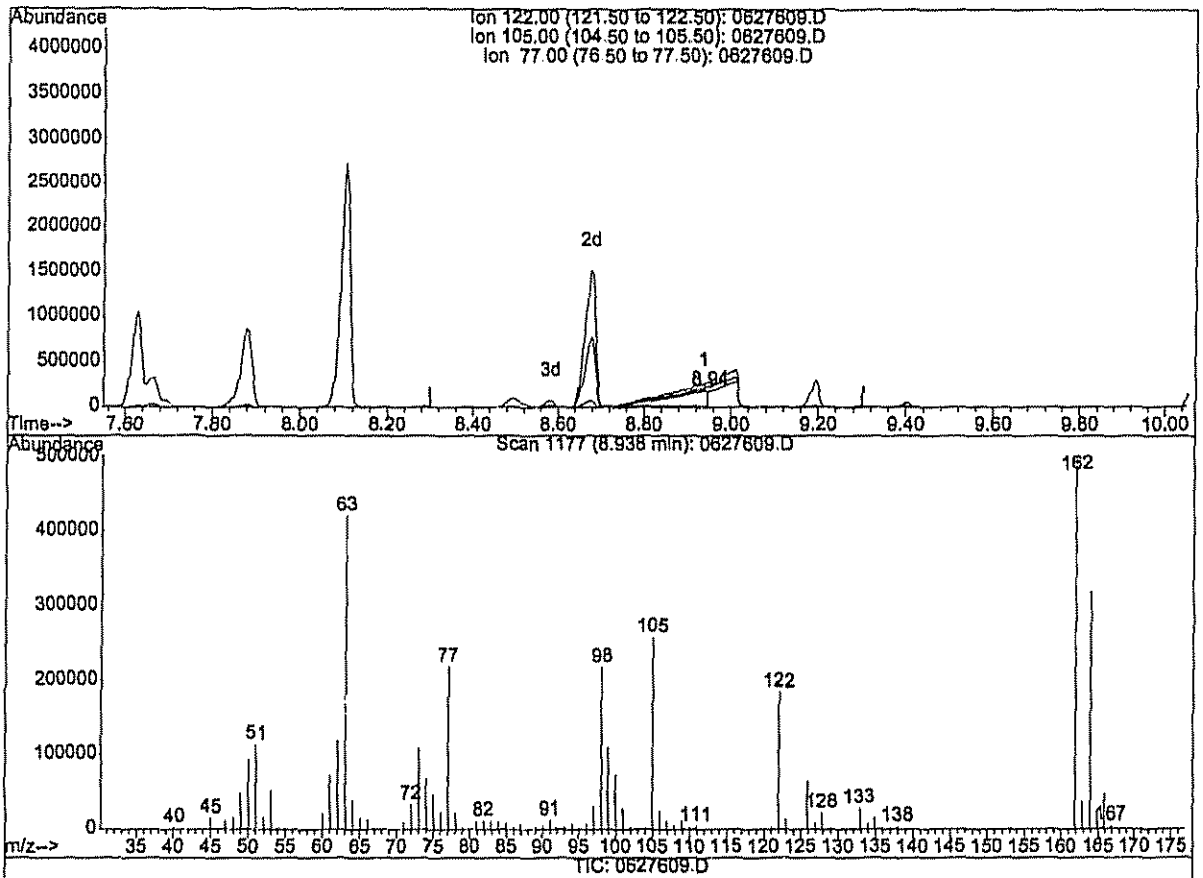
Ion	Exp%	Act%
122.00	100	100
105.00	145.20	0.00#
77.00	117.00	0.00#
0.00	0.00	0.00

0627609.D 8270.M Tue Jun 28 11:22:36 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627609.D Vial: 2
Acq On : 27 Jun 2005 9:03 pm Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:22 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:21:41 2005
Response via : Multiple Level Calibration



(23) Benzoic Acid (TM)

8.94min 28.60ug/mL

response 1068329

Ion	Exp%	Act%
122.00	100	100
105.00	145.20	0.00#
77.00	117.00	0.00#
0.00	0.00	0.00

0627609.D 8270.M Tue Jun 28 11:22:31 2005 ENV

Initial Calibration Report
Paradigm Analytical Labs

Instrument ; MSD7
Method ; 8270.M
Matrix ; NA
Cal. Date ; 24 Jun 2005 12:32 pm
Last Modified ; Fri Jun 24 16:26:40 2005
Number of levels ; 8

Cal Files by ID
48 ; C:\MSDCHEM\1\DATA\7062405\0624702.D
24 ; C:\MSDCHEM\1\DATA\7062405\0624703.D
12 ; C:\MSDCHEM\1\DATA\7062405\0624704.D
8 ; C:\MSDCHEM\1\DATA\7062405\0624705.D
6 ; C:\MSDCHEM\1\DATA\7062405\0624706.D
4 ; C:\MSDCHEM\1\DATA\7062405\0624707.D
2 ; C:\MSDCHEM\1\DATA\7062405\0624708.D
1 ; C:\MSDCHEM\1\DATA\7062405\0624709.D

Calibration Level ID	48	24	12	8	6	4	2	1		
Concentration (ppb)	48.0	24.0	12.0	8.0	6.0	4.0	2.0	1.0	AvgRF	%RSD
Pyridine	0.646	0.842	0.801	0.818	0.794	0.759	0.779		0.777	8.196
N-Nitrosodimethylamine		0.582	0.603	0.581	0.616	0.591	0.569	0.511	0.579	5.830
Phenol	1.445	1.573	1.664	1.566	1.690	1.650	1.616	1.274	1.560	8.891
Bis(2-chloroethyl)ether	1.182	1.180	1.245	1.203	1.234	1.213	1.268	1.169	1.212	2.900
2-Chlorophenol	1.171	1.249	1.282	1.215	1.296	1.265	1.207	1.163	1.231	4.043
Benzyl Alcohol	0.798	0.817	0.825	0.763	0.812	0.745	0.648	0.454	0.733	17.268
1,3-Dichlorobenzene	1.185	1.274	1.330	1.257	1.375	1.323	1.313	1.303	1.295	4.402
1,4-Dichlorobenzene	1.196	1.310	1.389	1.343	1.439	1.410	1.396	1.404	1.361	5.736
1,2-Dichlorobenzene	1.077	1.184	1.234	1.186	1.292	1.256	1.239	1.242	1.214	5.416
2-Methylphenol	0.762	0.850	0.932	0.933	1.014	0.988	0.957	0.856	0.911	9.132
3-, 4-Methylphenol	0.974	1.266	1.393	1.365	1.394	1.402	1.340	1.206	1.293	11.301
Bis(2-chloroisopropyl)ether	1.328	1.523	1.734	1.727	1.867	1.874	1.897	1.929	1.735	12.149
N-Nitrosodi-n-propylamine	0.575	0.635	0.667	0.621	0.668	0.648	0.626	0.583	0.628	5.523
Hexachloroethane	0.302	0.406	0.448	0.435	0.470	0.470	0.453	0.453	0.430	12.902
2-Fluorophenol (surr)	0.961	0.995	0.996	0.936	0.996	0.903	0.855	0.723	0.921	10.274
Phenol-d6 (surr)	1.266	1.344	1.419	1.359	1.458	1.390	1.347	1.247	1.354	5.276
Nitrobenzene	0.252	0.264	0.288	0.274	0.296	0.289	0.278	0.258	0.275	5.725
Isophorone	0.421	0.418	0.438	0.414	0.444	0.434	0.434	0.436	0.430	2.465
2-Nitrophenol	0.171	0.177	0.184	0.170	0.181	0.167	0.152	0.126	0.166	11.484
2,4-Dimethylphenol	0.239	0.245	0.267	0.250	0.272	0.257	0.245	0.227	0.250	5.915
Benzoic Acid	0.180	0.172	0.166	0.134	0.141	0.117	0.073		0.141	26.501
Bis(2-chloroethoxy)methane	0.292	0.307	0.335	0.314	0.341	0.330	0.324	0.300	0.318	5.547
2,4-Dichlorophenol	0.221	0.236	0.252	0.234	0.254	0.238	0.214	0.172	0.228	11.573
1,2,4-Trichlorobenzene	0.223	0.238	0.261	0.244	0.265	0.257	0.257	0.248	0.249	5.585
Naphthalene	0.677	0.751	0.833	0.788	0.860	0.843	0.849	0.850	0.806	7.931
4-Chloroaniline		0.192	0.130	0.085	0.070	0.063	0.059	0.040	0.091	57.759
Hexachlorobutadiene	0.105	0.114	0.126	0.121	0.131	0.129	0.128	0.128	0.123	7.351
4-Chloro-3-methylphenol	0.220	0.234	0.252	0.235	0.250	0.237	0.220	0.192	0.230	8.481
2-Methylnaphthalene	0.502	0.561	0.635	0.598	0.662	0.650	0.651	0.651	0.614	9.240
Nitrobenzene-d5 (surr)	0.131	0.134	0.139	0.127	0.138	0.130	0.121	0.104	0.128	8.738
Hexachlorocyclopentadiene	0.094	0.096	0.100	0.081	0.081	0.065	0.041	0.017	0.072	40.768
2,4,6-Trichlorophenol	0.301	0.325	0.344	0.329	0.348	0.329	0.317	0.287	0.323	6.370
2,4,5-Trichlorophenol	0.320	0.356	0.348	0.369	0.399	0.373	0.346	0.316	0.353	7.866
2-Chloronaphthalene	0.828	0.915	0.991	0.976	1.050	1.023	1.014	1.001	0.975	7.321
2-Nitroaniline	0.277	0.293	0.282	0.259	0.275	0.263	0.245	0.225	0.265	8.224
3-Nitroaniline	0.158	0.106	0.039	0.026	0.026	0.023	0.016		0.056	96.340
1-Methylnaphthalene	0.883	1.014	1.143	1.096	1.212	1.195	1.210	1.203	1.119	10.549
Dimethylphthalate	1.026	1.082	1.131	1.083	1.172	1.129	1.145	1.136	1.113	4.163
Acenaphthylene	1.100	1.216	1.439	1.468	1.592	1.559	1.541	1.557	1.434	12.563
2,6-Dinitrotoluene	0.203	0.238	0.258	0.249	0.262	0.243	0.239	0.216	0.239	8.458
Acenaphthene	0.805	0.905	1.007	0.978	1.066	1.043	1.043	1.072	0.990	9.352
2,4-Dinitrophenol	0.139	0.146	0.148	0.131	0.146	0.133	0.121	0.110	0.134	10.034
4-Nitrophenol	0.113	0.114	0.111	0.094	0.095	0.081	0.027		0.091	33.933
Dibenzofuran	1.235	1.371	1.506	1.450	1.592	1.536	1.544	1.583	1.477	8.232
2,4-Dinitrotoluene	0.287	0.307	0.325	0.311	0.336	0.319	0.309	0.292	0.311	5.210
Fluorene	0.902	1.008	1.099	1.071	1.169	1.127	1.134	1.142	1.081	8.127
Diethylphthalate	0.942	1.019	1.110	1.090	1.174	1.136	1.144	1.135	1.094	7.029
4-Chlorophenyl phenyl ether	0.432	0.486	0.524	0.513	0.550	0.537	0.533	0.528	0.513	7.390
4-Nitroaniline	0.122	0.122	0.119	0.109	0.117	0.103	0.055		0.107	22.522
2-Fluorobiphenyl (surr)	0.910	1.028	1.119	1.103	1.196	1.167	1.164	1.158	1.106	8.568
2,4,6-Tribromophenol (surr)	0.127	0.134	0.138	0.124	0.134	0.122	0.111	0.093	0.123	12.042
4,6-Dinitro-2-methylphenol	0.109	0.119	0.121	0.108	0.116	0.101	0.088	0.052	0.102	22.413
Diphenylamine				0.291	0.327	0.347	0.382	0.402	0.350	12.566
4-bromophenyl phenyl ether	0.130	0.152	0.178	0.176	0.190	0.182	0.182	0.172	0.170	11.534
Hexachlorobenzene	0.152	0.169	0.181	0.174	0.188	0.179	0.184	0.180	0.176	6.393
Pentachlorophenol	0.113	0.122	0.113	0.097	0.097	0.078	0.047		0.095	27.002
Phenanthrene	0.823	0.929	1.018	1.004	1.078	1.057	1.064	1.075	1.006	8.847

Carbazole			0.208	0.273	0.312	0.380	0.544	0.611	0.388	40.852
Anthracene	0.789	0.899	0.985	0.967	1.048	1.007	1.018	1.012	0.966	8.694
Azobenzene	0.552	0.607	0.680	0.677	0.726	0.730	0.745	0.751	0.683	10.407
Di-n-Butylphthalate	0.938	1.087	1.185	1.189	1.274	1.236	1.236	1.203	1.169	9.252
Fluoranthene	0.809	0.890	0.963	0.933	1.007	0.969	0.931	0.917	0.927	6.439
alpha-BHC	0.089	0.105	0.119	0.119	0.129	0.129	0.132	0.129	0.119	12.483
beta-BHC	0.078	0.096	0.107	0.103	0.111	0.108	0.108	0.101	0.102	10.488
gamma-BHC	0.085	0.097	0.106	0.105	0.112	0.110	0.115	0.114	0.106	9.663
delta-BHC	0.081	0.091	0.099	0.097	0.104	0.099	0.098	0.093	0.095	7.591
Heptachlor	0.084	0.108	0.124	0.127	0.137	0.134	0.133	0.133	0.122	14.707
Aldrin		0.099	0.119	0.120	0.131	0.131	0.138	0.141	0.125	11.243
Heptachlor Epoxide	0.046	0.052	0.054	0.053	0.055	0.053	0.050	0.049	0.052	6.115
Endosulfan I		0.023	0.030	0.032	0.035	0.035	0.035	0.029	0.031	14.387
4,4'-DDE	0.154	0.183	0.200	0.198	0.212	0.205	0.204	0.204	0.195	9.579
Dieldrin		0.123	0.157	0.161	0.176	0.173	0.184	0.187	0.166	13.192
Endrin	0.020	0.026	0.030	0.031	0.032	0.030	0.032	0.028	0.029	13.561
Endosulfan II	Not Calibrated									
4,4'-DDD	0.299	0.348	0.381	0.357	0.385	0.372	0.369	0.350	0.358	7.613
Endosulfan Sulfate	0.037	0.042	0.046	0.048	0.053	0.052	0.048	0.044	0.046	10.912
4,4'-DDT	0.191	0.231	0.234	0.261	0.284	0.269	0.256	0.251	0.247	11.558
Endrin Aldehyde	Not Calibrated									
Endrin Ketone	0.034	0.036	0.038	0.037	0.040	0.039	0.040	0.035	0.038	6.276
Methoxychlor	0.339	0.421	0.437	0.514	0.550	0.531	0.501	0.477	0.471	14.705
Pyrene	1.191	1.281	1.468	1.494	1.564	1.530	1.630	1.654	1.476	11.022
Butylbenzylphthalate	0.762	0.821	0.848	0.833	0.851	0.818	0.841	0.804	0.822	3.538
Benzo[a]anthracene	1.064	1.133	1.202	1.164	1.238	1.193	1.198	1.191	1.173	4.546
3,3'-Dichlorobenzidine	0.236	0.196	0.148	0.133	0.141	0.115	0.061	0.020	0.131	52.212
Chrysene	1.064	1.051	1.091	1.051	1.143	1.108	1.122	1.151	1.098	3.641
Bis(2-ethylhexyl)phthalate	1.027	1.119	1.181	1.194	1.211	1.167	1.223	1.178	1.163	5.436
4-Terphenyl-d14 (surr)	0.845	0.973	1.048	1.015	1.054	0.997	1.046	1.022	1.000	6.835
Di-n-octylphthalate	2.293	2.922	3.409	2.784	2.707	2.524	2.702	2.376	2.715	12.906
Benzo[b]fluoranthene	1.374	1.410	1.459	1.271	1.331	1.214	1.200	1.055	1.289	10.192
Benzo[k]fluoranthene	1.116	1.312	1.591	1.313	1.359	1.411	1.510	1.505	1.390	10.762
Benzo[a]pyrene	1.015	1.093	1.154	1.038	1.104	1.036	0.980	0.908	1.041	7.395
Indeno(1,2,3-c,d)pyrene	0.774	0.733	0.600	0.615	0.630	0.574	0.420	0.411	0.595	21.788
Dibenzo[a,h]anthracene	0.737	0.729	0.631	0.624	0.645	0.569	0.416	0.312	0.583	25.481
Benzo[g,h,i]perylene	0.770	0.787	0.698	0.702	0.759	0.694	0.560	0.520	0.686	14.203

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 12:57:26 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 14 14:44:50 2005
Response via : Initial Calibration
DataAcq Meth : 8270

pmc 06-24-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.34	152	229823	4.00	ug/mL	-0.12
18) Naphthalene-D8	8.25	136	909703	4.00	ug/mL	-0.12
33) Acenaphthene-d10	11.01	164	473303	4.00	ug/mL	-0.12
55) Phenanthrene-D10	13.39	188	786967	4.00	ug/mL	-0.12
85) Chrysene-D12	17.62	240	417151	4.00	ug/mL	-0.11
93) Perylene-D12	19.73	264	311024	4.00	ug/mL	-0.14
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	4.62	112	2651167	41.35	ug/mL	-0.10
Spiked Amount 10.000			Recovery =		413.50%	
17) Phenol-d6 (surr)	5.95	99	3492085	37.56	ug/mL	-0.09
Spiked Amount 10.000			Recovery =		375.60%	
32) Nitrobenzene-d5 (surr)	7.20	128	1428493	41.09	ug/mL	-0.11
Spiked Amount 10.000			Recovery =		410.90%	
53) 2-Fluorobiphenyl (surr)	10.00	172	5167657	34.03	ug/mL	-0.11
Spiked Amount 10.000			Recovery =		340.30%	
54) 2,4,6-Tribromophenol (surr	12.30	330	722776	41.08	ug/mL	-0.11
Spiked Amount 10.000			Recovery =		410.80%	
92) 4-Terphenyl-d14 (surr)	16.00	244	4231492	32.85	ug/mL	-0.11
Spiked Amount 10.000			Recovery =		328.50%	

Target Compounds						Qvalue
2) Pyridine	3.16	79	1780492	25.40	ug/mL	87
3) N-Nitrosodimethylamine	3.25	74	588084	13.08	ug/mL#	60
4) Phenol	5.97	94	3984006	38.88	ug/mL	98
5) Bis(2-chloroethyl)ether	6.04	93	3260432	38.39	ug/mL	100
6) 2-Chlorophenol	6.07	128	3229429	40.88	ug/mL	97
7) Benzyl Alcohol	6.63	108	2199416	42.21	ug/mL	97
8) 1,3-Dichlorobenzene	6.26	146	3267781	36.92	ug/mL	99
9) 1,4-Dichlorobenzene	6.37	146	3297047	36.28	ug/mL	100
10) 1,2-Dichlorobenzene	6.58	146	2969233	36.93	ug/mL	99
11) 2-Methylphenol	6.81	107	2100834	35.55	ug/mL#	93
12) 3-, 4-Methylphenol	7.07	107	2686749	31.85	ug/mL	99
13) Bis(2-chloroisopropyl)ethe	6.79	45	3663166	27.99	ug/mL#	83
14) N-Nitrosodi-n-propylamine	7.03	70	1586496m	32.16	ug/mL	
15) Hexachloroethane	7.06	117	833214	27.01	ug/mL	92
19) Nitrobenzene	7.23	77	2754376	35.40	ug/mL	99
20) Isophorone	7.62	82	4601127m	35.31	ug/mL	
21) 2-Nitrophenol	7.70	139	1867769	39.27	ug/mL	94
22) 2,4-Dimethylphenol	7.85	122	2604540	48.40	ug/mL	99
23) Benzoic Acid	8.27	122	1970045m	43.90	ug/mL	
24) Bis(2-chloroethoxy)methane	7.97	93	3183972	35.60	ug/mL	99

(#) = qualifier out of range (m) = manual integration
0624702.D 8270.M Fri Jun 24 17:12:43 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 12:57:26 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 14 14:44:50 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) 2,4-Dichlorophenol	8.09	162	2413717	40.52	ug/mL	98
26) 1,2,4-Trichlorobenzene	8.18	180	2431486	35.79	ug/mL	99
27) Naphthalene	8.29	128	7395011	33.67	ug/mL	100
28) 4-Chloroaniline	8.45	127	1818864	35.87	ug/mL	99
29) Hexachlorobutadiene	8.50	225	1145403	34.71	ug/mL	99
30) 4-Chloro-3-methylphenol	9.25	107	2396552	40.49	ug/mL	99
31) 2-Methylnaphthalene	9.38	142	5477638	35.57	ug/mL	100
34) Hexachlorocyclopentadiene	9.63	237	534995	22.44	ug/mL	99
35) 2,4,6-Trichlorophenol	9.86	196	1709680	37.77	ug/mL	98
36) 2,4,5-Trichlorophenol	9.93	196	1815153	38.56	ug/mL	99
37) 2-Chloronaphthalene	10.15	162	4701145	33.70	ug/mL	98
38) 2-Nitroaniline	10.37	65	1570497	37.87	ug/mL	92
39) 3-Nitroaniline	11.05	138	898766	42.47	ug/mL#	93
40) 1-Methylnaphthalene	9.54	142	5012635	33.06	ug/mL	100
41) Dimethylphthalate	10.71	163	5826399	36.60	ug/mL	100
42) Acenaphthylene	10.79	152	6248973	28.78	ug/mL	100
43) 2,6-Dinitrotoluene	10.78	165	1152102	32.52	ug/mL	94
44) Acenaphthene	11.08	153	4573512	32.04	ug/mL	99
45) 2,4-Dinitrophenol	11.22	184	786790	35.22	ug/mL	99
46) 4-Nitrophenol	11.42	109	643777	40.85	ug/mL	98
47) Dibenzofuran	11.37	168	7017009	36.23	ug/mL	99
48) 2,4-Dinitrotoluene	11.43	165	1631583	36.73	ug/mL	91
49) Fluorene	11.91	166	5124801	33.70	ug/mL	99
50) Diethylphthalate	11.85	149	5347751	34.24	ug/mL	100
51) 4-Chlorophenyl phenyl ethe	11.94	204	2451701	33.84	ug/mL	99
52) 4-Nitroaniline	12.05	138	693207	34.79	ug/mL	97
56) 4,6-Dinitro-2-methylphenol	12.08	198	1030385	35.52	ug/mL	93
57) Diphenylamine	12.16	169	2161590	22.97	ug/mL	99
58) 4-bromophenyl phenyl ether	12.73	248	1230826	28.35	ug/mL	97
59) Hexachlorobenzene	12.79	284	1433744	32.52	ug/mL	96
60) Pentachlorophenol	13.14	266	1066087	36.23	ug/mL	99
61) Phenanthrene	13.44	178	7772146	32.04	ug/mL	99
62) Carbazole	13.81	167	4198140	31.19	ug/mL	100
63) Anthracene	13.52	178	7455310	32.39	ug/mL	100
64) Azobenzene	12.20	77	5213932	29.68	ug/mL	97
65) Di-n-Butylphthalate	14.46	149	8859379	31.14	ug/mL	99
66) Fluoranthene	15.33	202	7637773	34.96	ug/mL	96
67) alpha-BHC	12.74	183	844793	28.45	ug/mL	82
68) beta-BHC	13.12	181	733830	28.80	ug/mL	94
69) gamma-BHC	13.20	183	801385	31.02	ug/mL	99
70) delta-BHC	13.59	183	761065	31.47	ug/mL	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 12:57:26 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 14 14:44:50 2005
Response via : Initial Calibration
DataAcq Meth : 8270

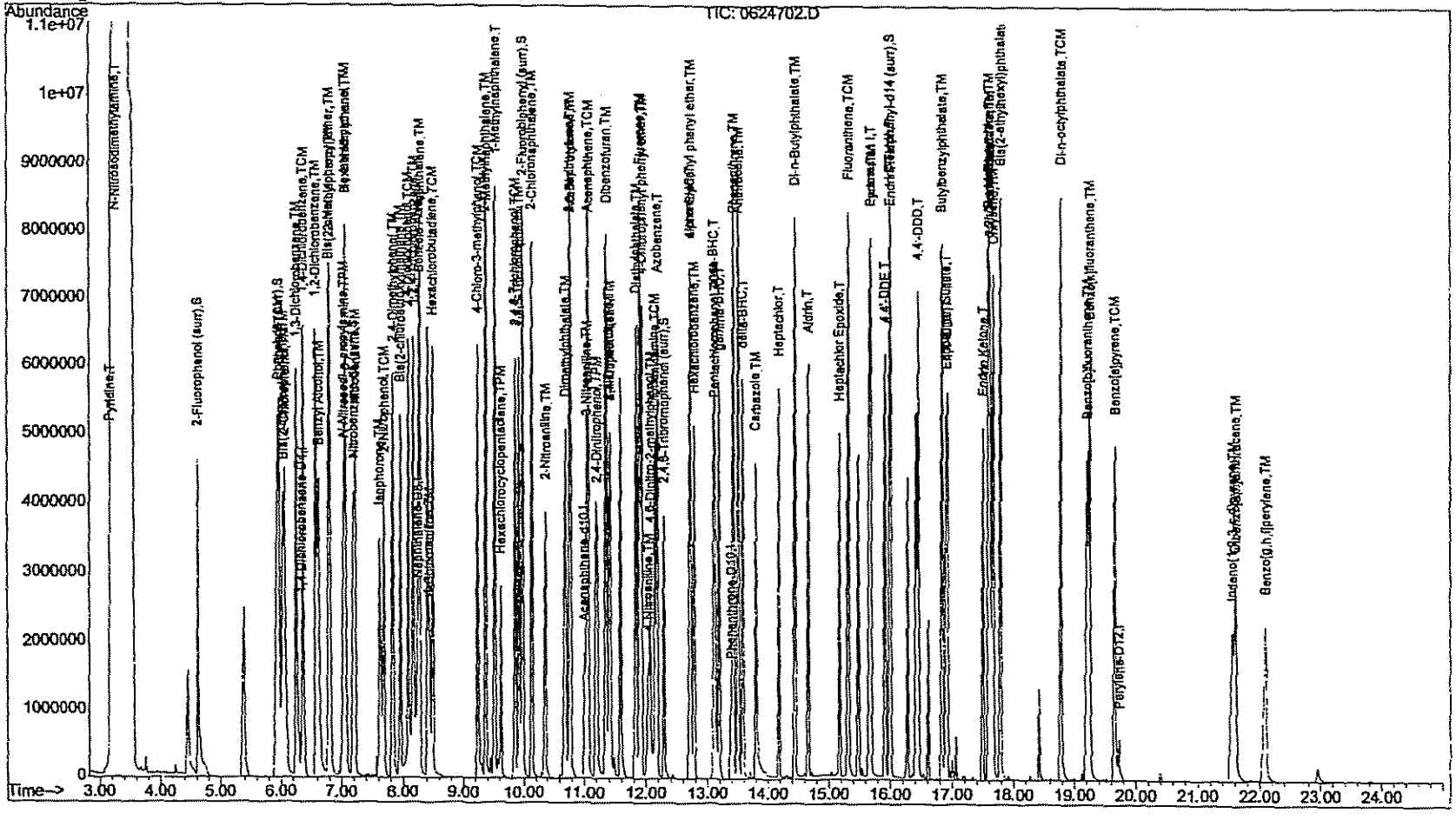
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.19	100	795296	24.75 ug/mL	90
72)	Aldrin	14.67	66	742674	24.52 ug/mL	88
73)	Heptachlor Epoxide	15.19	353	431759	35.66 ug/mL	99
74)	Endosulfan I	15.69	195	180239	25.36 ug/mL	97
75)	4,4'-DDE	15.93	246	1451270	32.07 ug/mL	100
76)	Dieldrin	16.02	79	794857	19.96 ug/mL#	90
77)	Endrin	16.02	263	193044	27.36 ug/mL	91
78)	Endosulfan II	0.00	35	0	N.D.	
79)	4,4'-DDD	16.46	235	2827905	35.70 ug/mL	100
80)	Endosulfan Sulfate	16.91	272	352652	33.75 ug/mL	96
81)	4,4'-DDT	16.93	235	1803797	27.81 ug/mL	99
82)	Endrin Aldehyde	0.00	35	0	N.D.	
83)	Endrin Ketone	17.51	317	320720	42.19 ug/mL	99
84)	Methoxychlor	17.60	227	3204468	25.25 ug/mL	83
86)	Pyrene	15.70	202	5962656m	30.11 ug/mL	
87)	Butylbenzylphthalate	16.84	149	3815003	37.53 ug/mL	94
88)	Benzo[a]anthracene	17.62	228	5326665	33.72 ug/mL	99
89)	3,3'-Dichlorobenzidine	17.63	252	1180117	52.48 ug/mL#	95
90)	Chrysene	17.68	228	5325451	40.29 ug/mL	100
91)	Bis(2-ethylhexyl)phthalate	17.80	149	5140652	40.22 ug/mL	99
94)	Di-n-octylphthalate	18.79	149	8559241	41.02 ug/mL	100
95)	Benzo[b]fluoranthene	19.22	252	5129038	42.74 ug/mL	100
96)	Benzo[k]fluoranthene	19.26	252	4165670m	34.88 ug/mL	
97)	Benzo[a]pyrene	19.67	252	3787975	42.01 ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	21.56	276	2888312m	43.18 ug/mL	
99)	Dibenzo[a,h]anthracene	21.61	278	2749226	44.42 ug/mL	99
100)	Benzo[g,h,i]perylene	22.10	276	2874754	48.19 ug/mL	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:05 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration



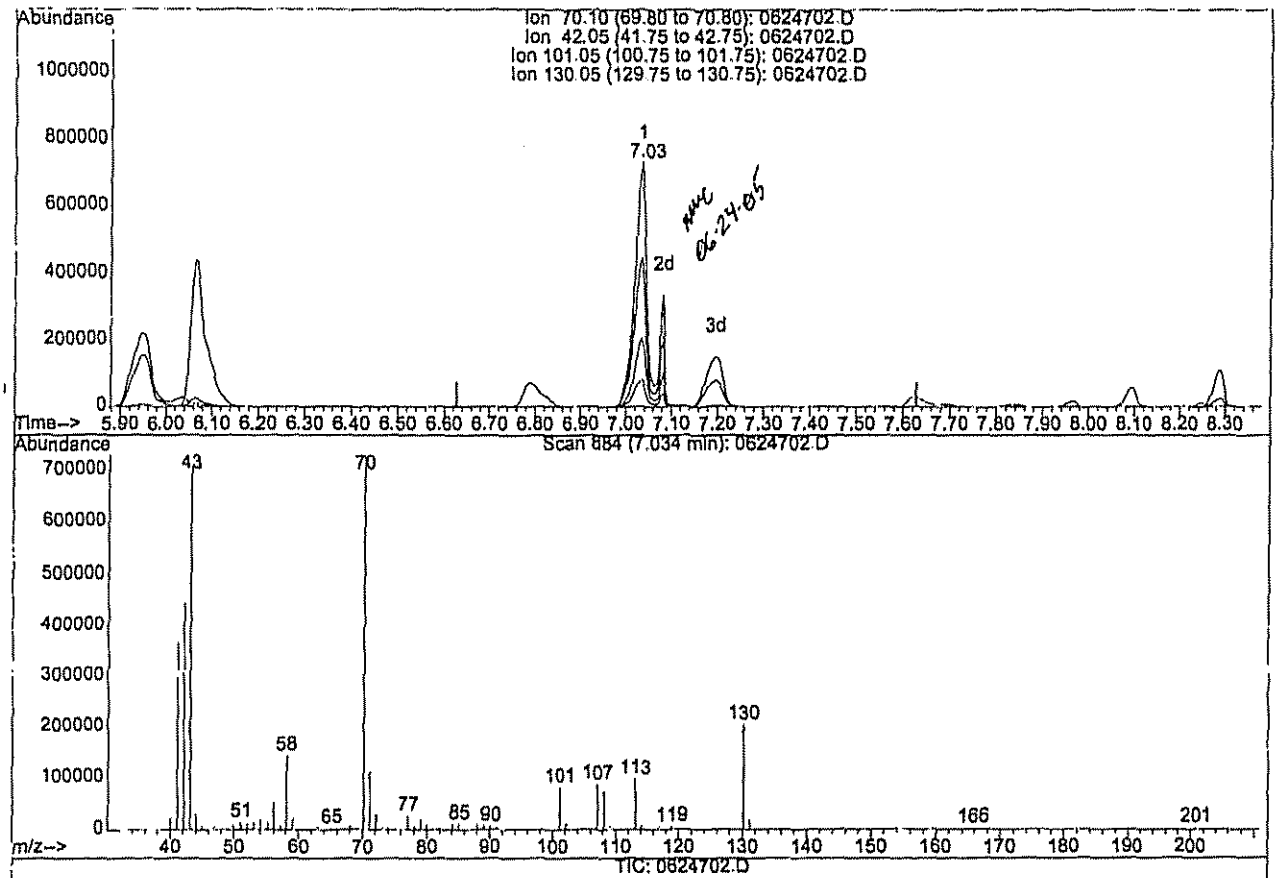
PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:03 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 14 14:44:50 2005
Response via : Multiple Level Calibration



(14) N-Nitrosodi-n-propylamine (TPM)

7.03min 32.16ug/mL m

response 1586498

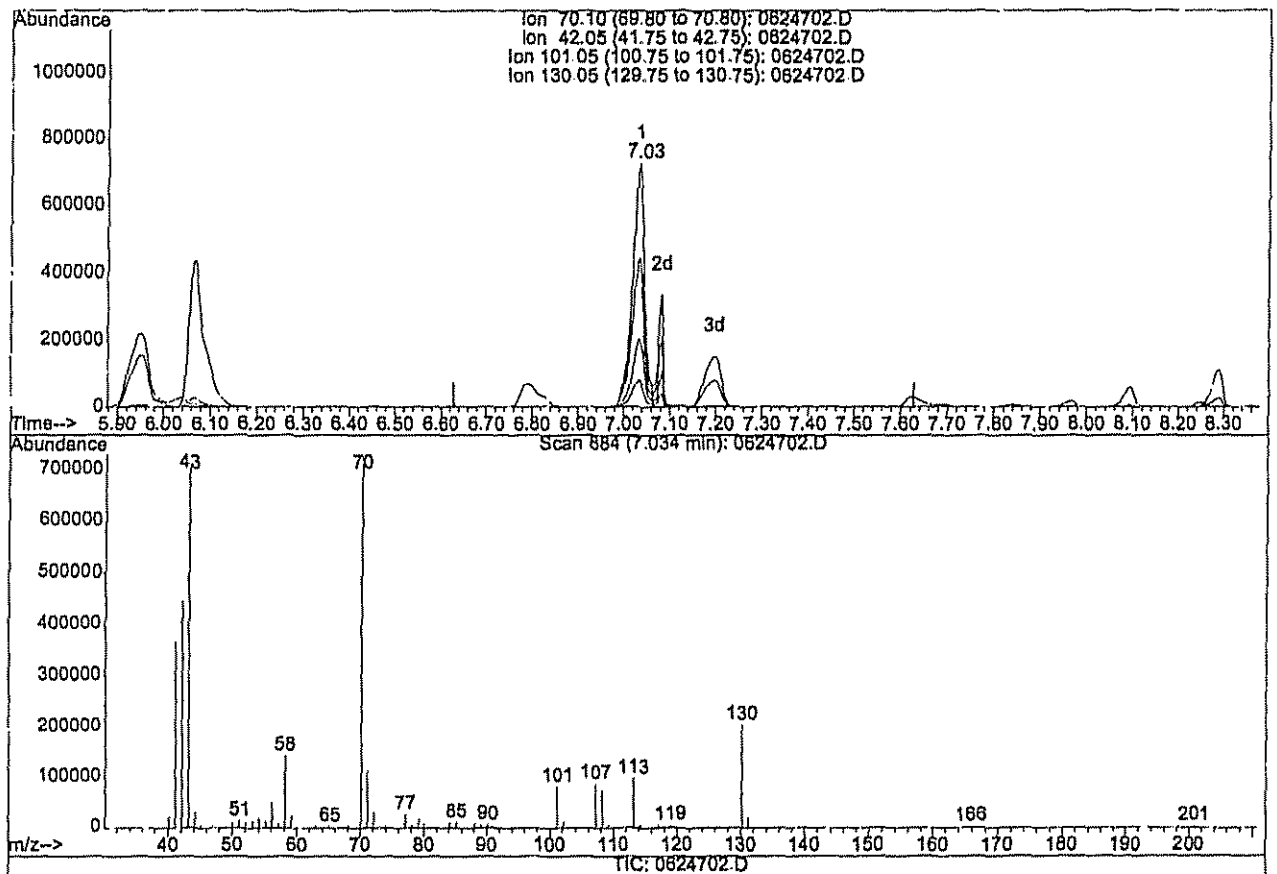
Ion	Exp%	Act%
70.10	100	100
42.05	61.90	61.24
101.05	11.20	11.25
130.05	28.10	28.15

0624702.D 8270.M Fri Jun 24 14:03:54 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 12:57 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 14 14:44:50 2005
Response via : Multiple Level Calibration



(14) N-Nitrosodi-n-propylamine (TPM)

7.03min 28.97ug/mL

response 1330170

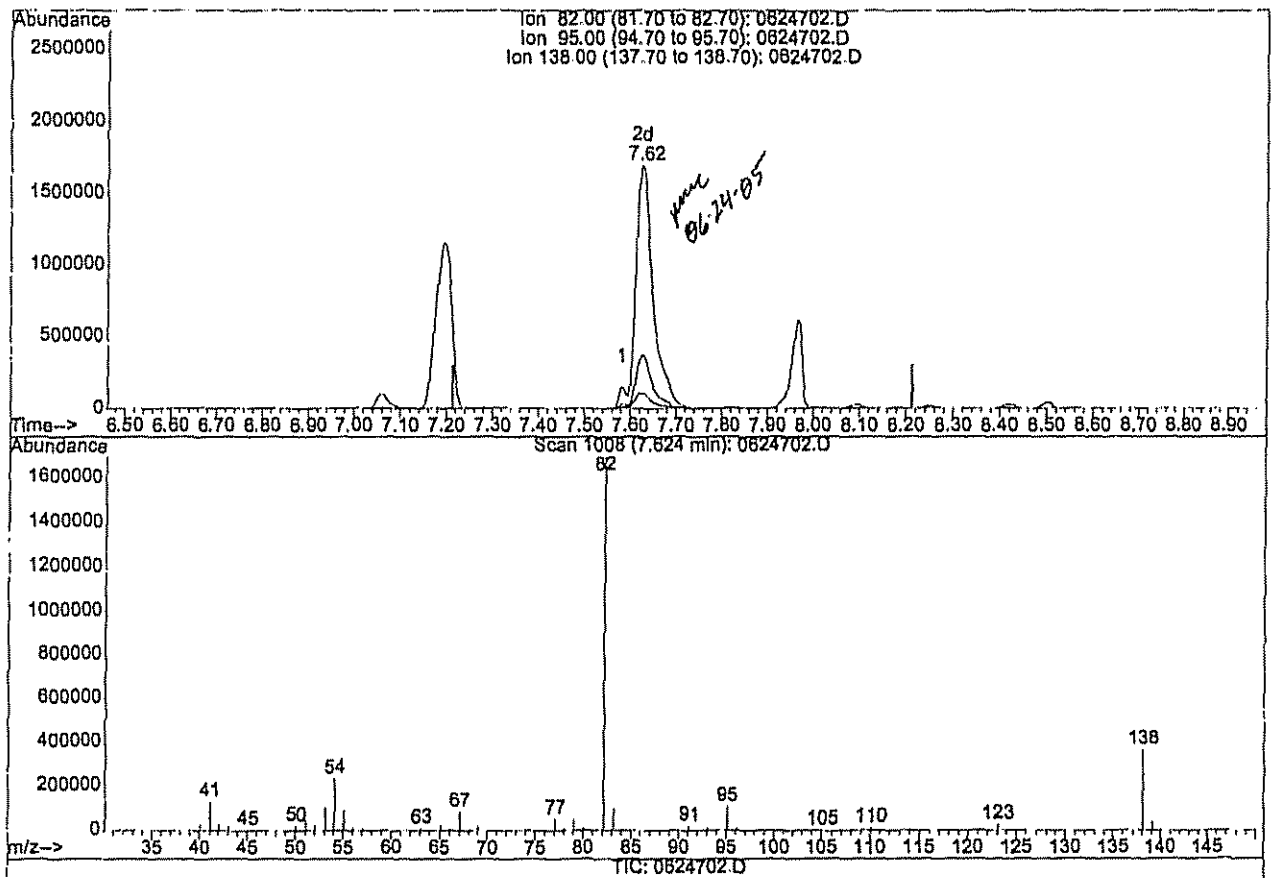
Ion	Exp%	Act%
70.10	100	100
42.05	61.90	60.91
101.05	11.20	11.25
130.05	28.10	28.15

0624702.D 8270.M Fri Jun 24 14:03:50 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:04 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 14 14:44:50 2005
Response via : Multiple Level Calibration



(20) Isophorone (TM)

7.62min 35.31ug/mL m

response 4601127

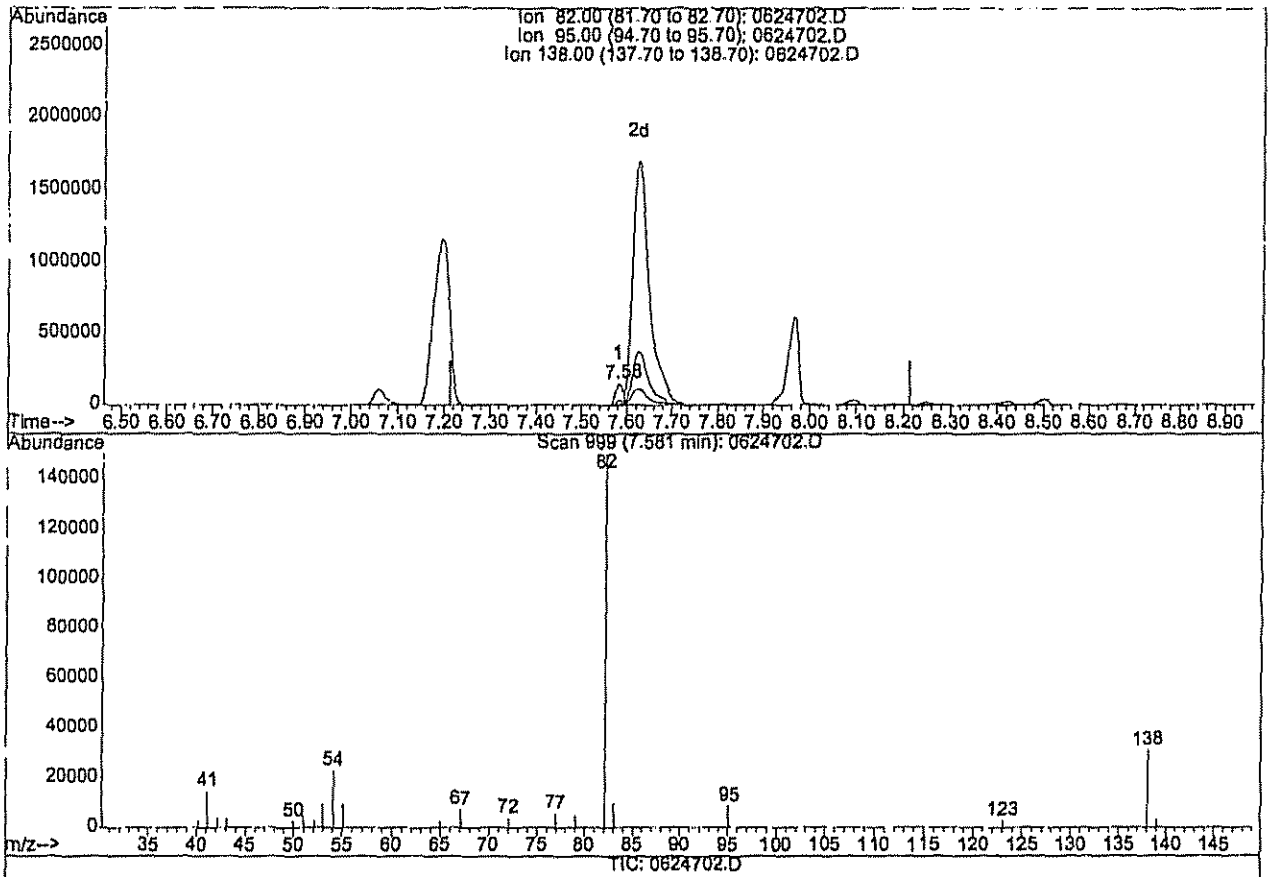
Ion	Exp%	Act%
82.00	100	100
95.00	6.30	6.36
138.00	20.80	21.69
0.00	0.00	0.00

0624702.D 8270.M Fri Jun 24 14:04:08 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:03 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 14 14:44:50 2005
Response via : Multiple Level Calibration



(20) Isophorone (TM)

7.58min 1.36ug/mL

response 176814

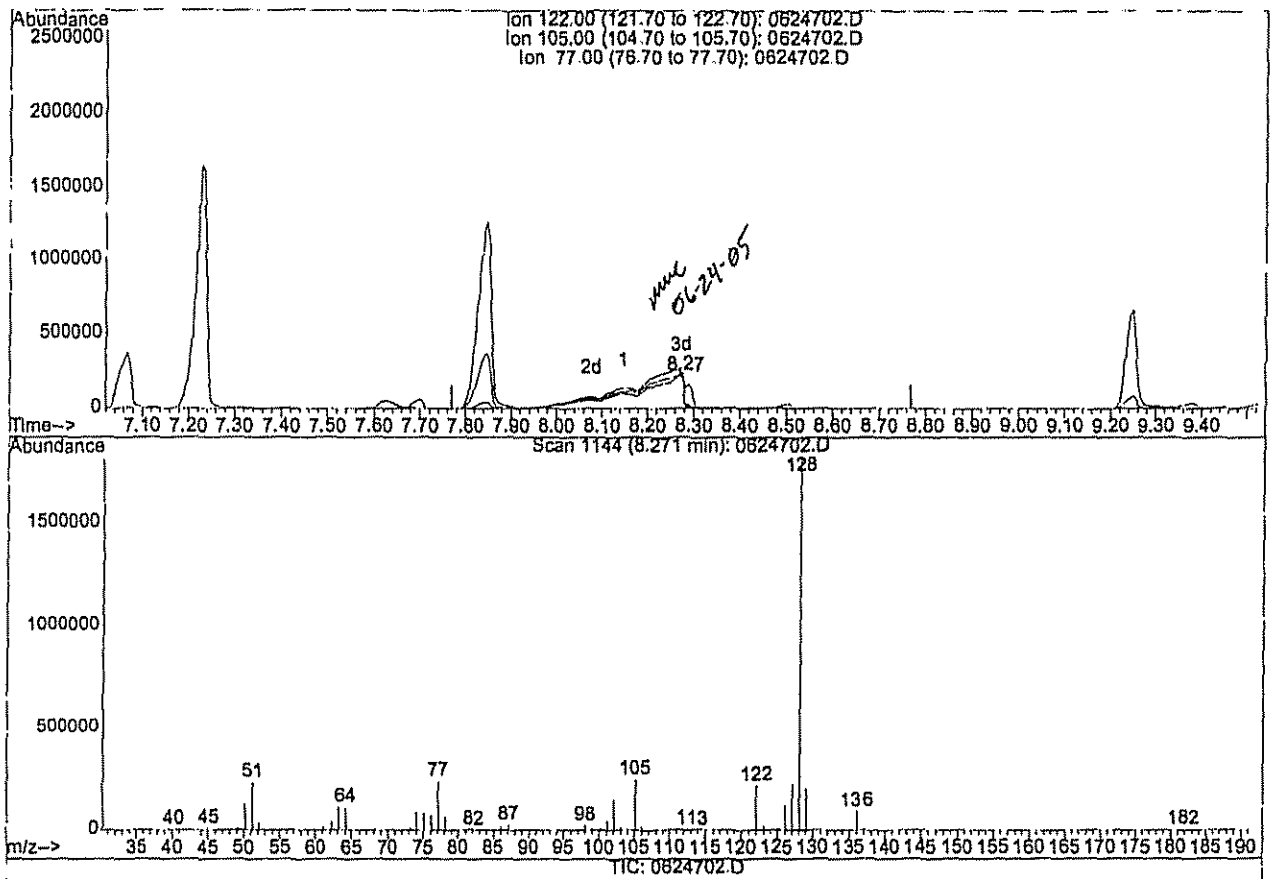
Ion	Exp%	Act%
82.00	100	100
95.00	6.30	5.83
138.00	20.80	20.75
0.00	0.00	0.00

0624702.D 8270.M Fri Jun 24 14:04:04 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:04 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 14 14:44:50 2005
Response via : Multiple Level Calibration



(23) Benzoic Acid (T)

8 27min 43 90ug/mL m

response 1970045

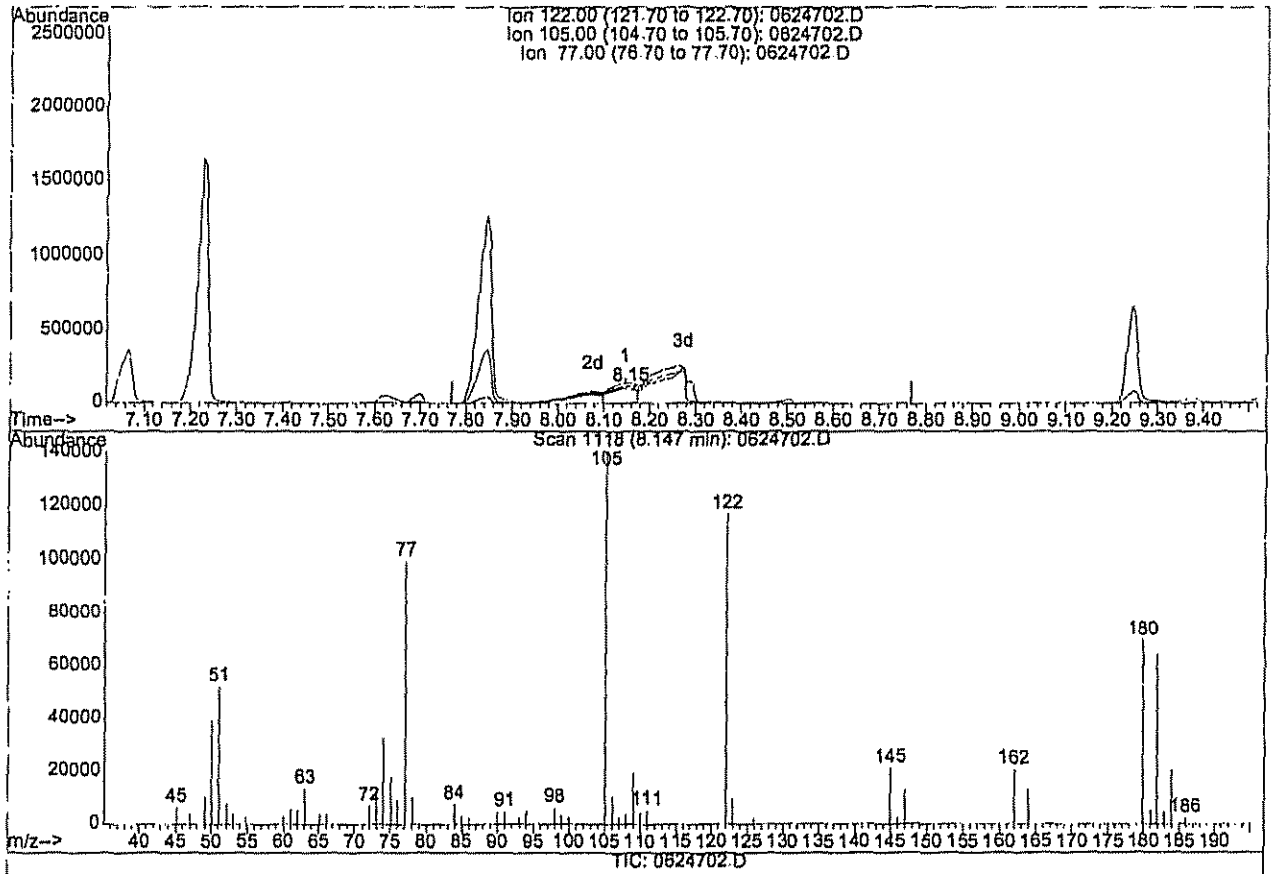
Ion	Exp%	Act%
122.00	100	100
105.00	82.50	27.04#
77.00	25.10	20.43
0.00	0.00	0.00

0624702.D 8270.M Fri Jun 24 14:04:17 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:04 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 14 14:44:50 2005
Response via : Multiple Level Calibration



(23) Benzoic Acid (T)

8.15min 10.25ug/mL

response 459800

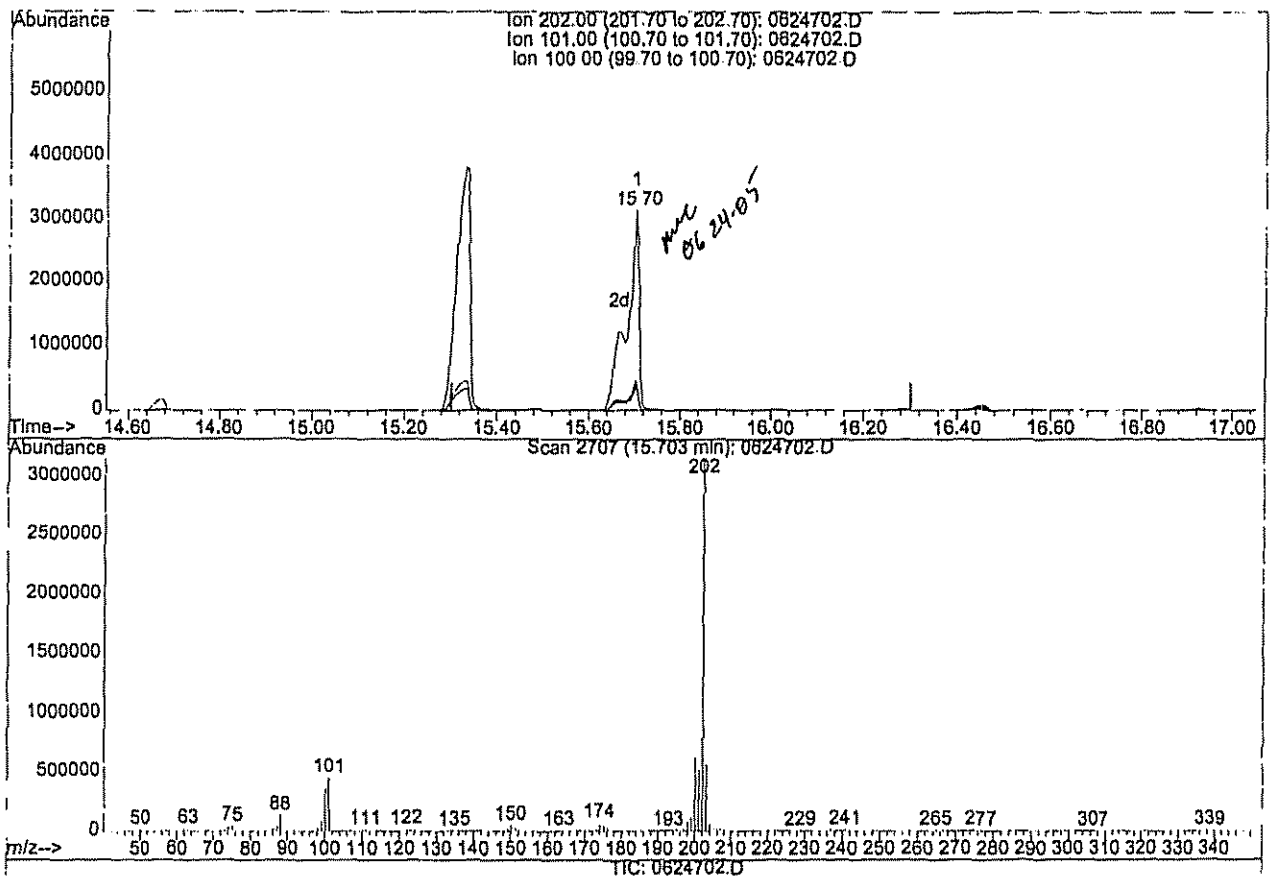
Ion	Exp%	Act%
122.00	100	100
105.00	82.50	115.85#
77.00	25.10	87.53#
0.00	0.00	0.00

0624702.D 8270.M Fri Jun 24 14:04:13 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:05 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 14 14:44:50 2005
Response via : Multiple Level Calibration



(86) Pyrene (TM)

15.70min 30.11ug/mL m

response 5962656

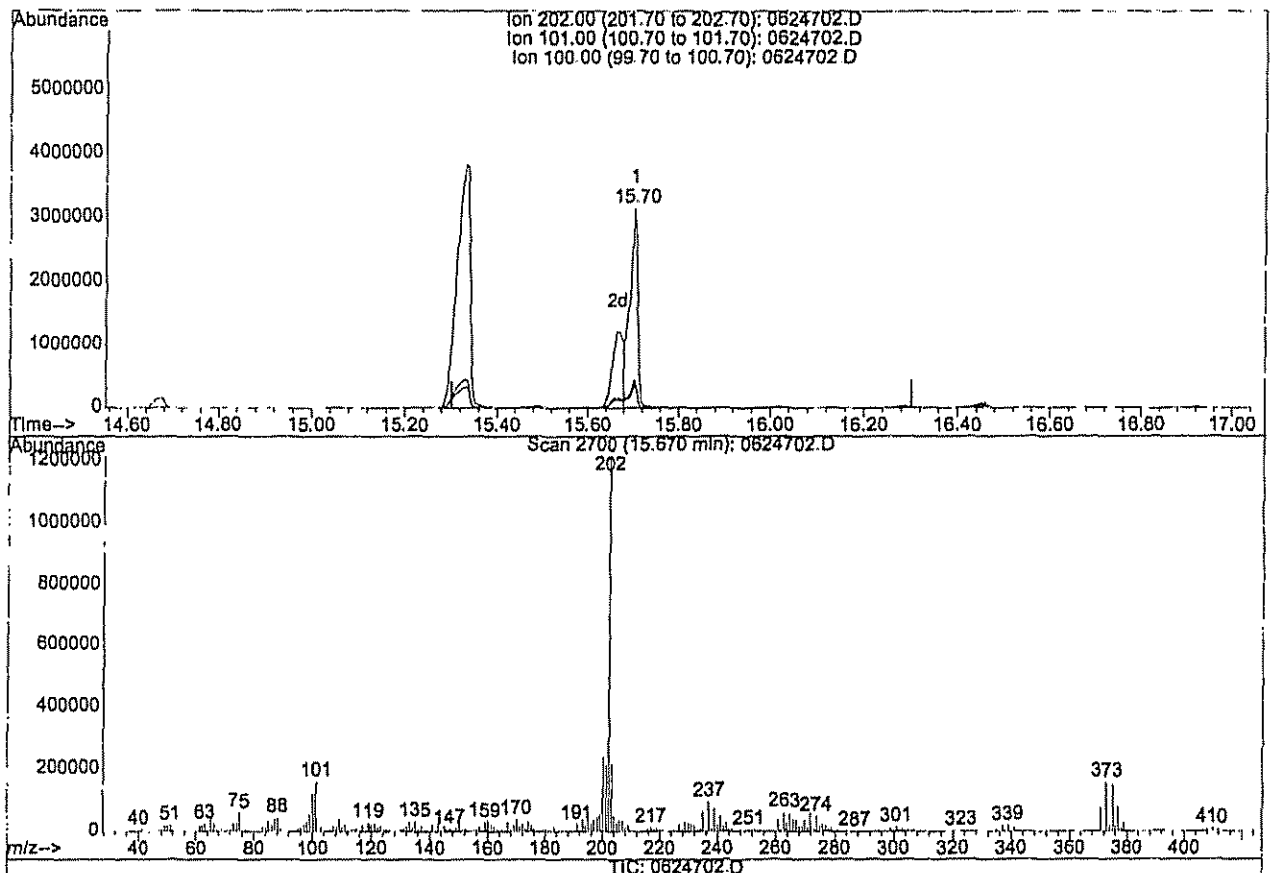
Ion	Exp%	Act%
202.00	100	100
101.00	13.80	14.39
100.00	10.70	11.50
0.00	0.00	0.00

0624702.D 8270.M Fri Jun 24 14:05:04 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:04 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 14 14:44:50 2005
Response via : Multiple Level Calibration



(86) Pyrene (TM)

15.70min 19.21ug/mL

response 3804466

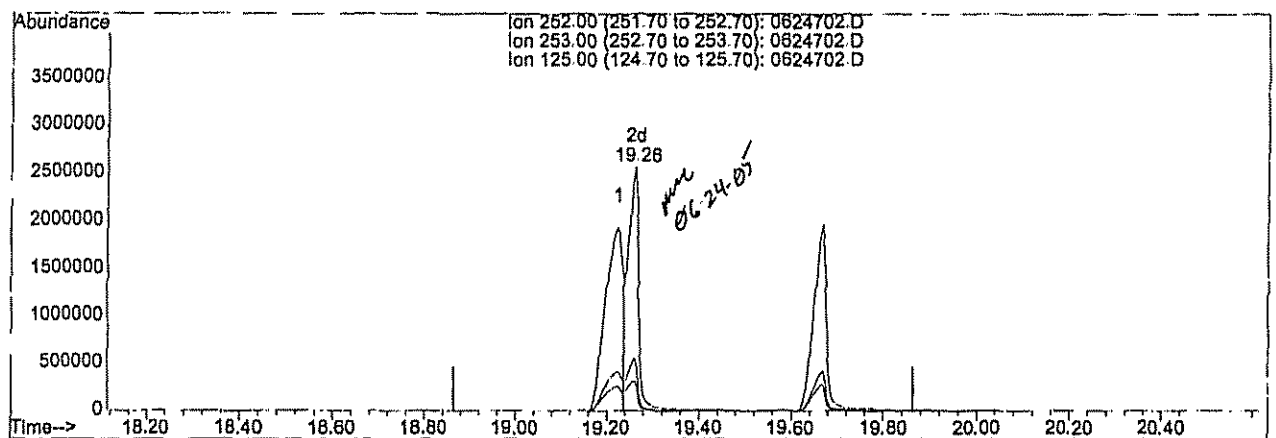
Ion	Exp%	Act%
202.00	100	100
101.00	13.80	14.42
100.00	10.70	11.52
0.00	0.00	0.00

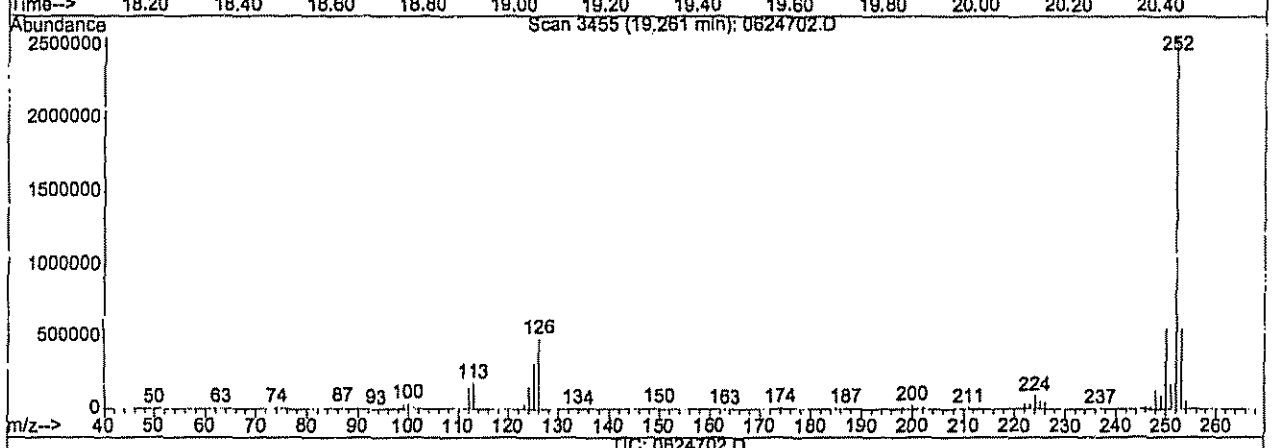
0624702.D 8270.M Fri Jun 24 14:05:00 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:05 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 14 14:44:50 2005
Response via : Multiple Level Calibration





(96) Benzo[k]fluoranthene (TM)

19.26min 34.88ug/mL m

response 4165670

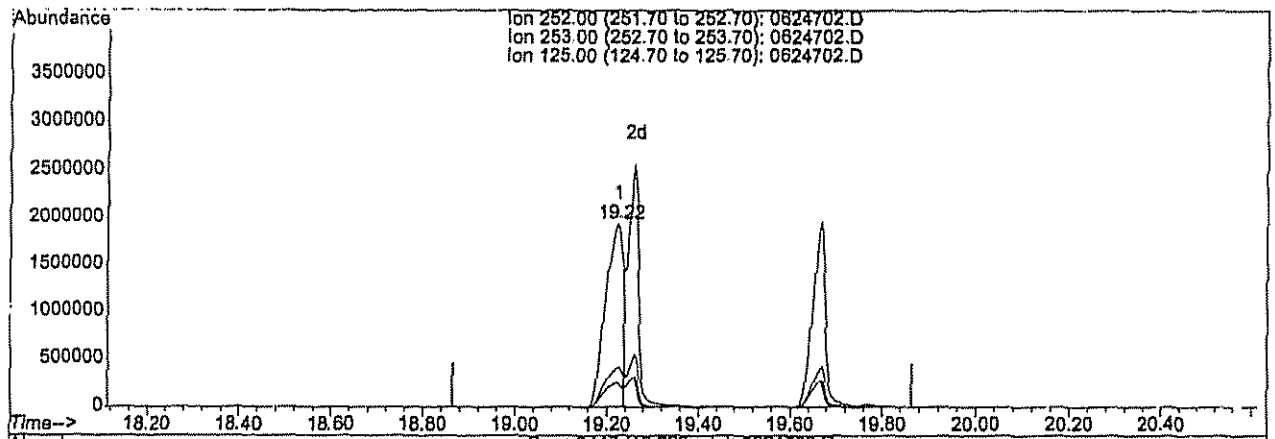
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.60
125.00	13.50	12.25
0.00	0.00	0.00

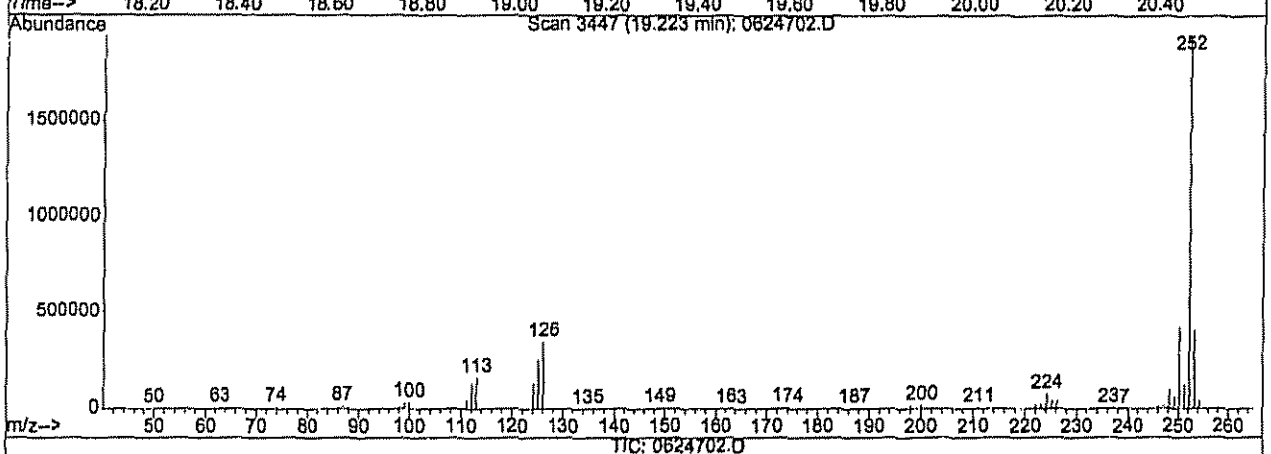
0624702.D 8270.M Fri Jun 24 14:05:19 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:05 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 14 14:44:50 2005
Response via : Multiple Level Calibration





TIC: 0624702.D

(96) Benzo[k]fluoranthene (TM)

19.22min 42.94ug/mL

response 5129038

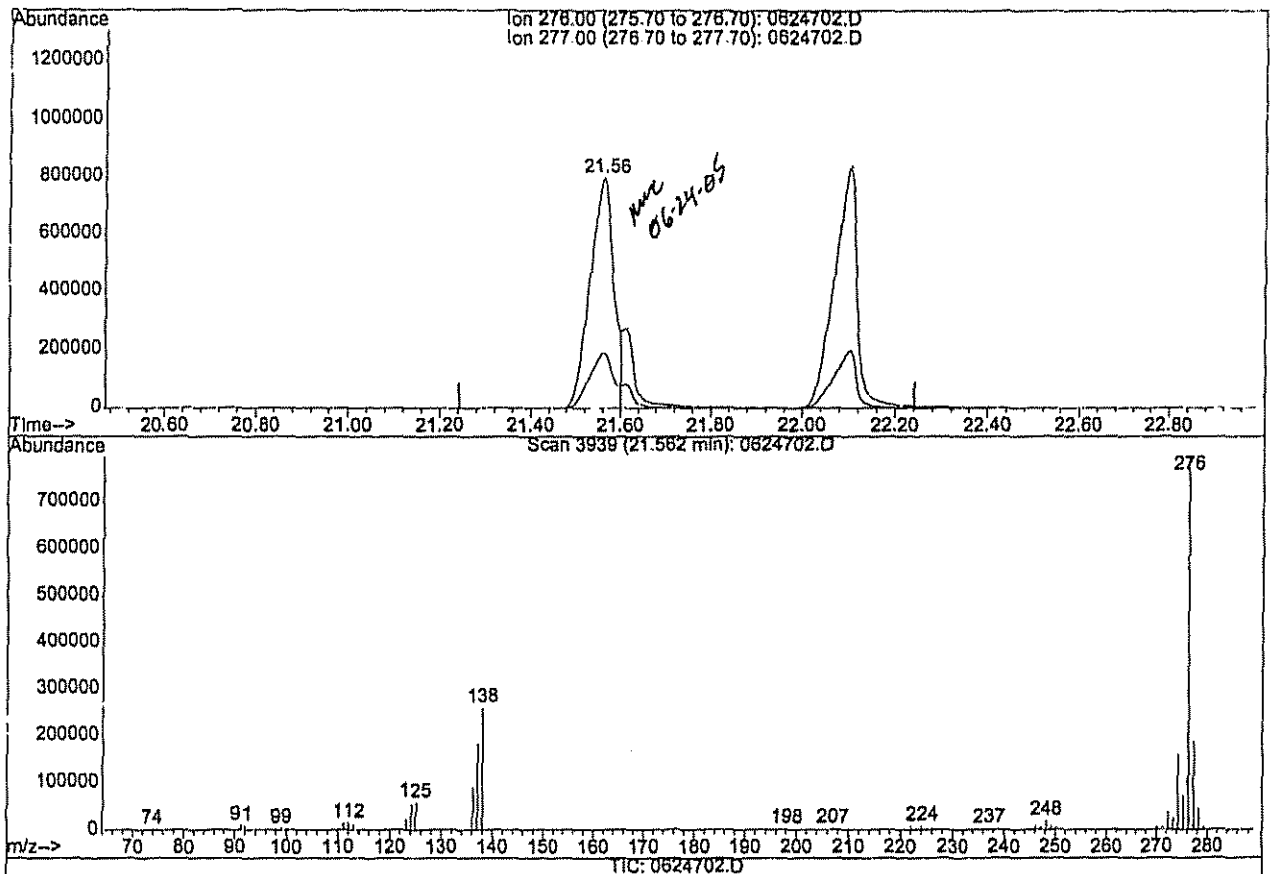
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.28
125.00	13.50	13.10
0.00	0.00	0.00

0624702.D 8270.M Fri Jun 24 14:05:15 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:05 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 14 14:44:50 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.56min 43.18ug/mL m

response 2888312

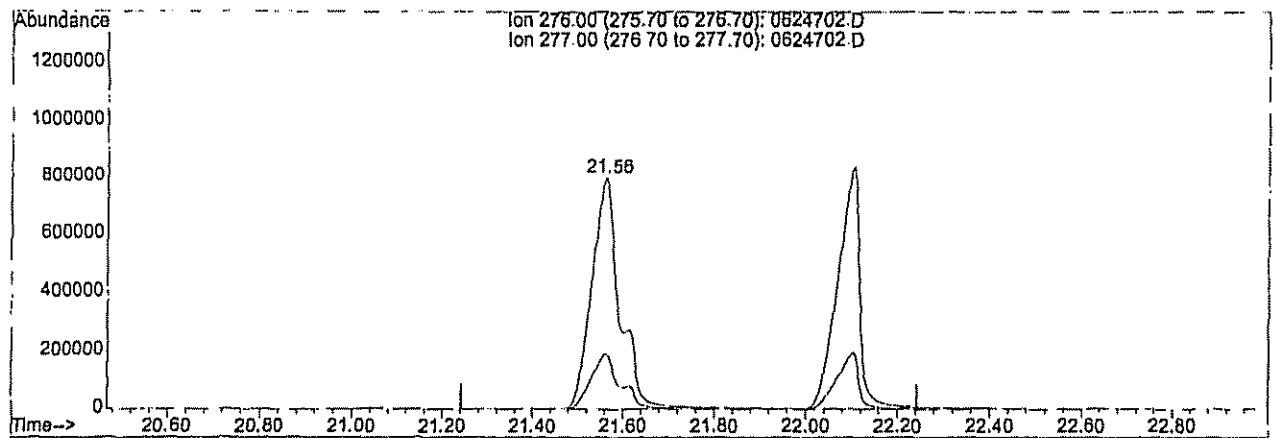
Ion	Exp%	Act%
276.00	100	100
277.00	24.00	23.35
0.00	0.00	0.00
0.00	0.00	0.00

0624702.D 8270.M Fri Jun 24 14:05:32 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D Vial: 2
Acq On : 24 Jun 2005 12:32 pm Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:05 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 14 14:44:50 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.56min 51.21ug/mL

response 3447365

Ion	Exp%	Act%
276.00	100	100
277.00	24.00	23.35
0.00	0.00	0.00
0.00	0.00	0.00

0624702.D 8270.M Fri Jun 24 14:05:23 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624703.D Vial: 3
Acq On : 24 Jun 2005 1:06 pm Operator: MRC
Sample : SVCAL24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:06:17 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:06:08 2005
Response via : Initial Calibration
DataAcq Meth : 8270

pmc 06-24-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.33	152	251462	4.00	ug/mL	0.00
18) Naphthalene-D8	8.24	136	1020014	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.01	164	514702	4.00	ug/mL	0.00
55) Phenanthrene-D10	13.37	188	834844	4.00	ug/mL	-0.01
85) Chrysene-D12	17.61	240	469619	4.00	ug/mL	-0.02
93) Perylene-D12	19.72	264	297836	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	4.61	112	1501464	24.85	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	248.50%	
17) Phenol-d6 (surr)	5.93	99	2027773	25.47	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	254.70%	
32) Nitrobenzene-d5 (surr)	7.18	128	817560	24.50	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	245.00%	
53) 2-Fluorobiphenyl (surr)	9.98	172	3174168	27.11	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	271.10%	
54) 2,4,6-Tribromophenol (surr	12.29	330	413902	25.28	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	252.80%	
92) 4-Terphenyl-d14 (surr)	15.99	244	2740530	27.61	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	276.10%	
Target Compounds						Qvalue
2) Pyridine	3.11	79	1269797	31.29	ug/mL	88
3) N-Nitrosodimethylamine	3.16	74	878606	65.54	ug/mL#	59
4) Phenol	5.95	94	2373507	26.14	ug/mL	98
5) Bis(2-chloroethyl)ether	6.02	93	1781043	23.96	ug/mL	97
6) 2-Chlorophenol	6.05	128	1884249	25.60	ug/mL	98
7) Benzyl Alcohol	6.61	108	1232288	24.58	ug/mL	99
8) 1,3-Dichlorobenzene	6.25	146	1922055	25.80	ug/mL	99
9) 1,4-Dichlorobenzene	6.36	146	1976744	26.30	ug/mL	98
10) 1,2-Dichlorobenzene	6.57	146	1786007	26.39	ug/mL	99
11) 2-Methylphenol	6.79	107	1282733	26.79	ug/mL	98
12) 3-, 4-Methylphenol	7.04	107	1910085	31.19	ug/mL	99
13) Bis(2-chloroisopropyl)ethe	6.78	45	2298450	27.53	ug/mL	98
14) N-Nitrosodi-n-propylamine	7.01	70	958786m	26.51	ug/mL	
15) Hexachloroethane	7.06	117	612217	32.23	ug/mL	94
19) Nitrobenzene	7.21	77	1618665	25.16	ug/mL	99
20) Isophorone	7.60	82	2560081	23.82	ug/mL	99
21) 2-Nitrophenol	7.69	139	1083940	24.84	ug/mL	98
22) 2,4-Dimethylphenol	7.83	122	1499681	24.65	ug/mL	100
23) Benzoic Acid	8.19	122	1051961m	22.86	ug/mL	
24) Bis(2-chloroethoxy)methane	7.95	93	1881313	25.29	ug/mL	100

(#) = qualifier out of range (m) = manual integration
0624703.D 8270.M Fri Jun 24 17:12:49 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624703.D Vial: 3
Acq On : 24 Jun 2005 1:06 pm Operator: MRC
Sample : SVCAL24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:06:17 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:06:08 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) 2,4-Dichlorophenol	8.08	162	1445321	25.63	ug/mL	99
26) 1,2,4-Trichlorobenzene	8.17	180	1459496	25.70	ug/mL	99
27) Naphthalene	8.28	128	4597795	26.62	ug/mL	99
28) 4-Chloroaniline	8.43	127	1176917	27.70	ug/mL	99
29) Hexachlorobutadiene	8.50	225	698612	26.11	ug/mL	99
30) 4-Chloro-3-methylphenol	9.23	107	1432427	25.59	ug/mL	99
31) 2-Methylnaphthalene	9.37	142	3430582	26.81	ug/mL	100
34) Hexachlorocyclopentadiene	9.63	237	297253	24.52	ug/mL	98
35) 2,4,6-Trichlorophenol	9.85	196	1004321	25.93	ug/mL	100
36) 2,4,5-Trichlorophenol	9.91	196	1098245	26.71	ug/mL	99
37) 2-Chloronaphthalene	10.13	162	2825939	26.53	ug/mL	100
38) 2-Nitroaniline	10.35	65	903975	25.41	ug/mL	95
39) 3-Nitroaniline	11.04	138	326686	16.04	ug/mL	95
40) 1-Methylnaphthalene	9.52	142	3132941	27.59	ug/mL	99
41) Dimethylphthalate	10.69	163	3341010	25.31	ug/mL	100
42) Acenaphthylene	10.78	152	3755704	26.53	ug/mL	100
43) 2,6-Dinitrotoluene	10.76	165	736456	28.22	ug/mL	97
44) Acenaphthene	11.07	153	2793411	26.96	ug/mL	99
45) 2,4-Dinitrophenol	11.21	184	451453	25.33	ug/mL	97
46) 4-Nitrophenol	11.40	109	352175	24.15	ug/mL	97
47) Dibenzofuran	11.35	168	4234995	26.64	ug/mL	98
48) 2,4-Dinitrotoluene	11.40	165	946684	25.61	ug/mL	99
49) Fluorene	11.89	166	3111654	26.80	ug/mL	99
50) Diethylphthalate	11.82	149	3147839	25.98	ug/mL	99
51) 4-Chlorophenyl phenyl ethe	11.93	204	1500306	27.01	ug/mL	98
52) 4-Nitroaniline	12.03	138	375629m	23.92	ug/mL	
56) 4,6-Dinitro-2-methylphenol	12.05	198	597664	26.25	ug/mL	99
57) Diphenylamine	12.14	169	946719	19.82	ug/mL	100
58) 4-bromophenyl phenyl ether	12.71	248	760107	27.94	ug/mL	95
59) Hexachlorobenzene	12.78	284	844673	26.66	ug/mL	98
60) Pentachlorophenol	13.12	266	613110	26.02	ug/mL	99
61) Phenanthrene	13.42	178	4654842	27.10	ug/mL	100
62) Carbazole	13.79	167	1189766	12.82	ug/mL	96
63) Anthracene	13.50	178	4503307	27.33	ug/mL	100
64) Azobenzene	12.18	77	3040854	26.39	ug/mL	96
65) Di-n-Butylphthalate	14.44	149	5446437	27.82	ug/mL	100
66) Fluoranthene	15.32	202	4460000	26.42	ug/mL	98
67) alpha-BHC	12.72	183	524314	28.08	ug/mL	99
68) beta-BHC	13.10	181	483262	29.80	ug/mL	95
69) gamma-BHC	13.19	183	485194	27.39	ug/mL	100
70) delta-BHC	13.58	183	456704	27.15	ug/mL	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624703.D Vial: 3
Acq On : 24 Jun 2005 1:06 pm Operator: MRC
Sample : SVCAL24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:06:17 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:06:08 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Heptachlor	14.18	100	538716	30.65	ug/mL	94
72)	Aldrin	14.66	66	497573	30.31	ug/mL	94
73)	Heptachlor Epoxide	15.18	353	260308	27.28	ug/mL	99
74)	Endosulfan I	15.67	195	114556	28.76	ug/mL	98
75)	4,4'-DDE	15.91	246	916775	28.58	ug/mL	100
76)	Dieldrin	16.00	79	615591	35.04	ug/mL	94
77)	Endrin	16.01	263	132520	31.06	ug/mL	89
78)	Endosulfan II	0.00	35	0	N.D.		
79)	4,4'-DDD	16.45	235	1741122	27.86	ug/mL#	99
80)	Endosulfan Sulfate	16.89	272	210032	26.95	ug/mL	97
81)	4,4'-DDT	16.92	235	1156680	29.01	ug/mL	99
82)	Endrin Aldehyde	0.00	35	0	N.D.		
83)	Endrin Ketone	17.50	317	182607	25.76	ug/mL	100
84)	Methoxychlor	17.59	227	2106718	29.75	ug/mL	89
86)	Pyrene	15.68	202	3609444	25.81	ug/mL	99
87)	Butylbenzylphthalate	16.83	149	2312549	25.85	ug/mL	97
88)	Benzo[a]anthracene	17.60	228	3193073	25.56	ug/mL	99
89)	3,3'-Dichlorobenzidine	17.62	252	551233	19.92	ug/mL	99
90)	Chrysene	17.65	228	2960620	23.70	ug/mL	100
91)	Bis(2-ethylhexyl)phthalate	17.79	149	3152225	26.14	ug/mL	98
94)	Di-n-octylphthalate	18.77	149	5221826	30.58	ug/mL	100
95)	Benzo[b]fluoranthene	19.20	252	2519320	24.62	ug/mL	99
96)	Benzo[k]fluoranthene	19.24	252	2344712	28.21	ug/mL	99
97)	Benzo[a]pyrene	19.65	252	1952744	25.84	ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	21.53	276	1310322m	22.74	ug/mL	
99)	Dibenzo[a,h]anthracene	21.59	278	1302361	23.75	ug/mL	99
100)	Benzo[g,h,i]perylene	22.07	276	1406722	24.53	ug/mL	99

(#) = qualifier out of range (m) = manual integration

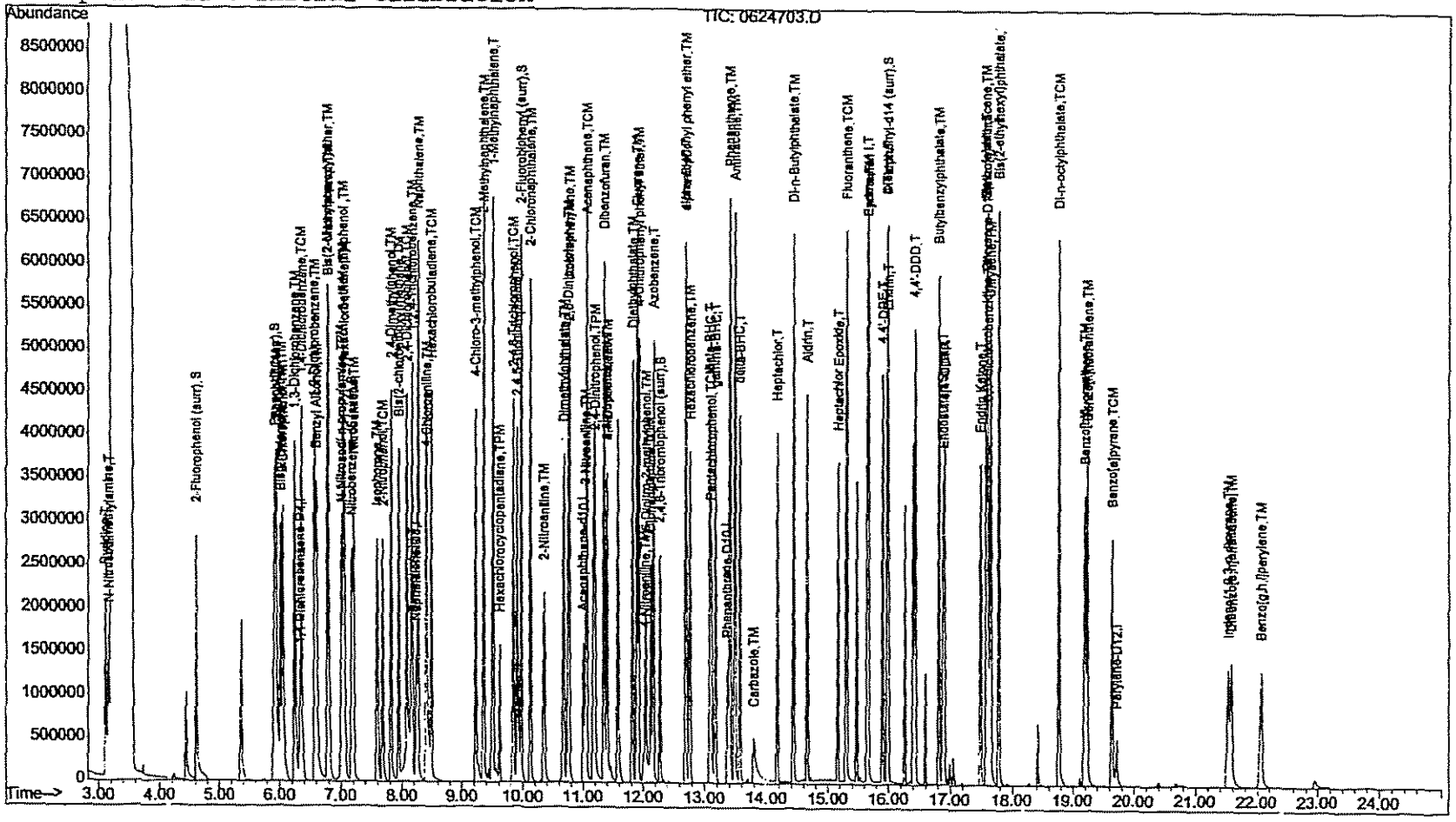
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624703.D
Acq On : 24 Jun 2005 1:06 pm
Sample : SVCAL24
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 24 14:07 2005

Vial: 3
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

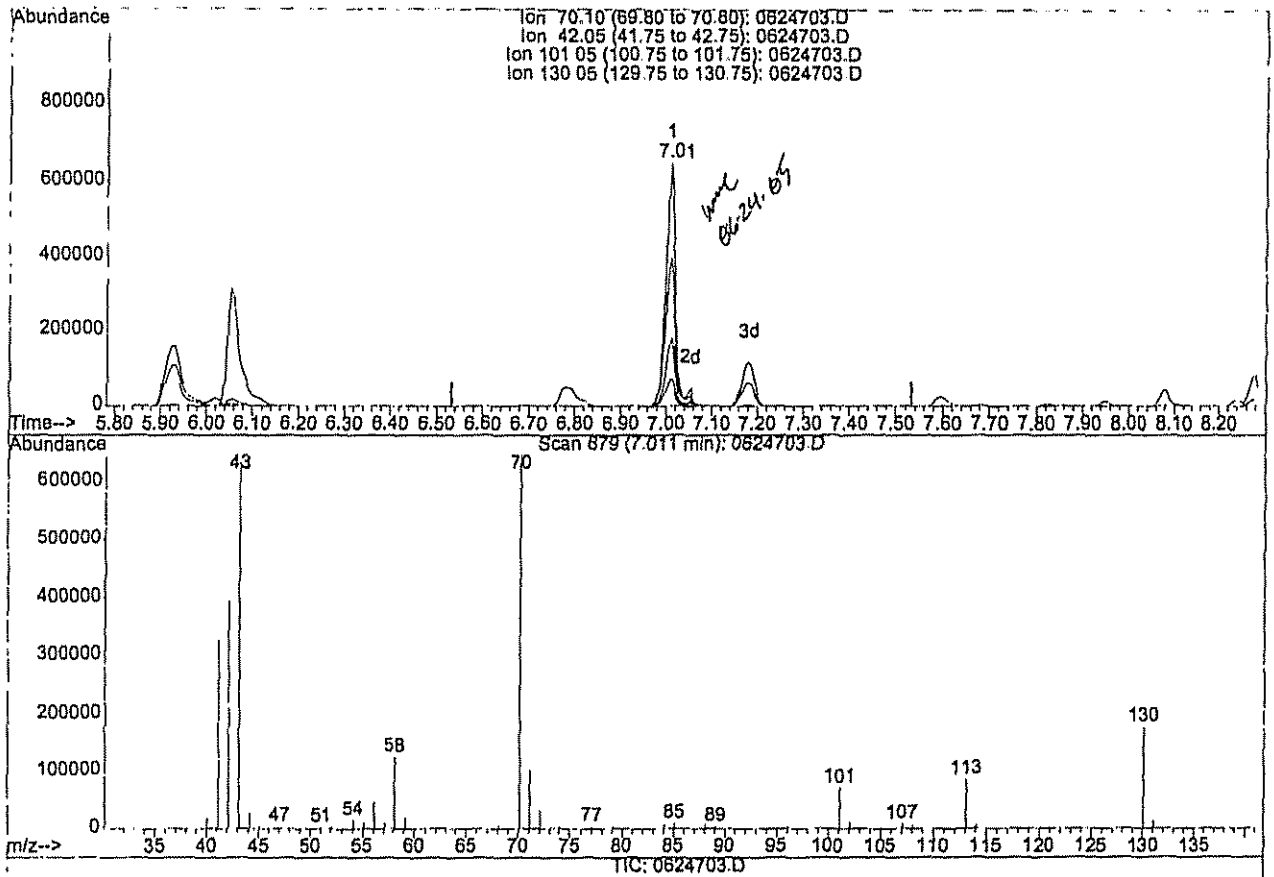


0624703.D 8270.M Fri Jun 24 17:12:53 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624703.D Vial: 3
Acq On : 24 Jun 2005 1:06 pm Operator: MRC
Sample : SVCAL24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:06 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:06:08 2005
Response via : Multiple Level Calibration



(14) N-Nitrosodi-n-propylamine (TPM)

7.01min 26.51ug/mL m

response 958786

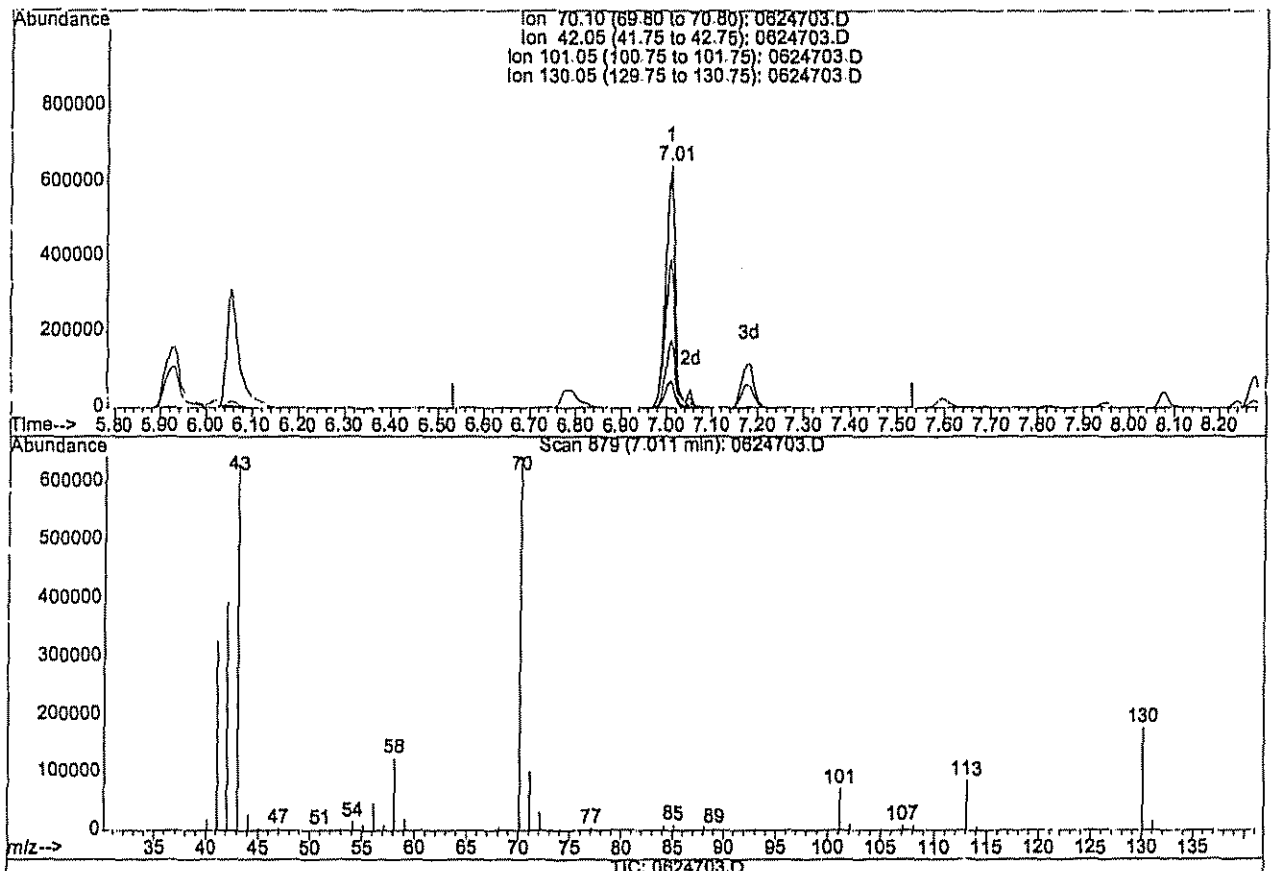
Ion	Exp%	Act%
70.10	100	100
42.05	61.20	61.31
101.05	11.20	11.12
130.05	28.20	27.71

0624703.D 8270.M Fri Jun 24 14:06:39 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624703.D Vial: 3
Acq On : 24 Jun 2005 1:06 pm Operator: MRC
Sample : SVCAL24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:06 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:06:08 2005
Response via : Multiple Level Calibration



(14) N-Nitrosodi-n-propylamine (TPM)

7.01min 25.45ug/mL

response 920538

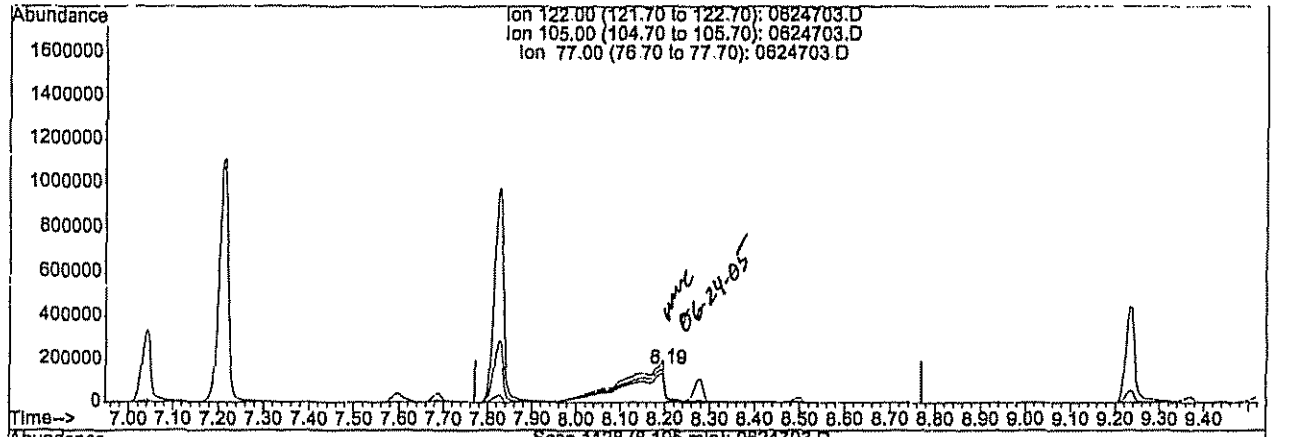
Ion	Exp%	Act%
70.10	100	100
42.05	61.20	61.31
101.05	11.20	11.12
130.05	28.20	27.71

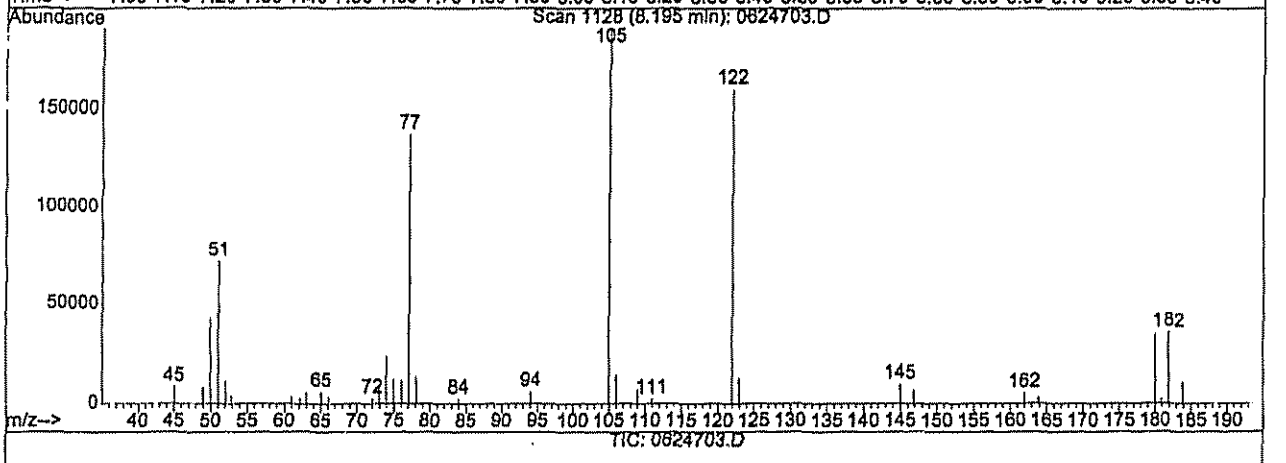
0624703.D 8270.M Fri Jun 24 14:06:35 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624703.D Vial: 3
Acq On : 24 Jun 2005 1:06 pm Operator: MRC
Sample : SVCAL24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:06 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:06:08 2005
Response via : Multiple Level Calibration





(23) Benzoic Acid (T)

8.19min 22.86ug/mL m

response 1051961

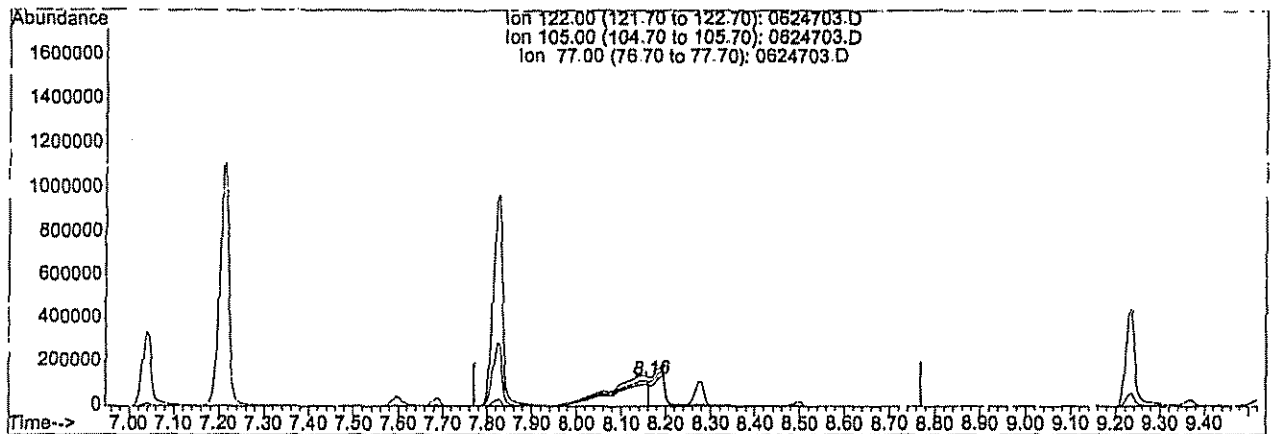
Ion	Exp%	Act%
122.00	100	100
105.00	27.00	56.34#
77.00	20.40	40.28#
0.00	0.00	0.00

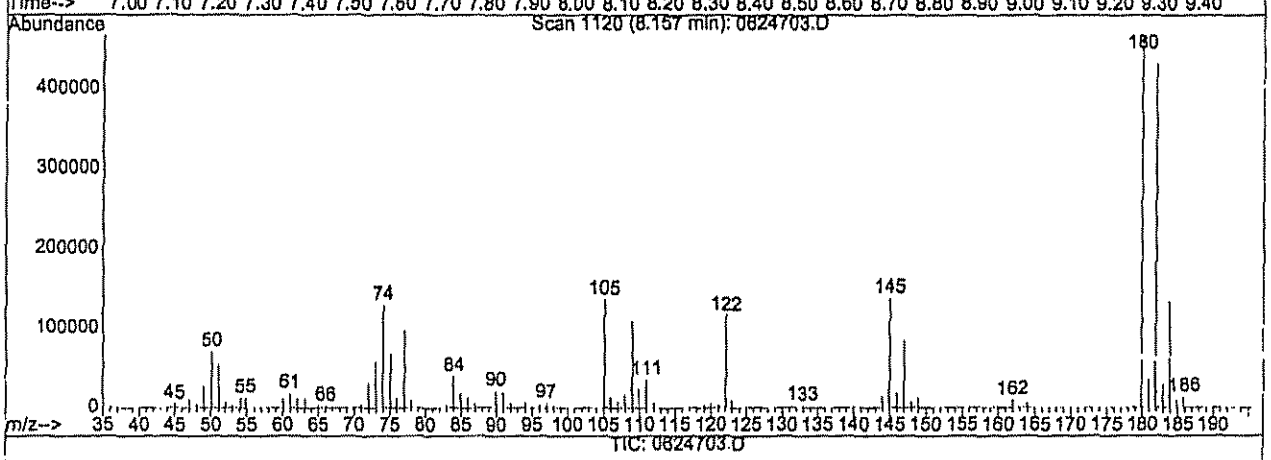
0624703.D 8270.M Fri Jun 24 14:06:50 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624703.D Vial: 3
Acq On : 24 Jun 2005 1:06 pm Operator: MRC
Sample : SVCAL24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:06 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:06:08 2005
Response via : Multiple Level Calibration





(23) Benzoic Acid (T)

8.16min 15.93ug/mL

response 733161

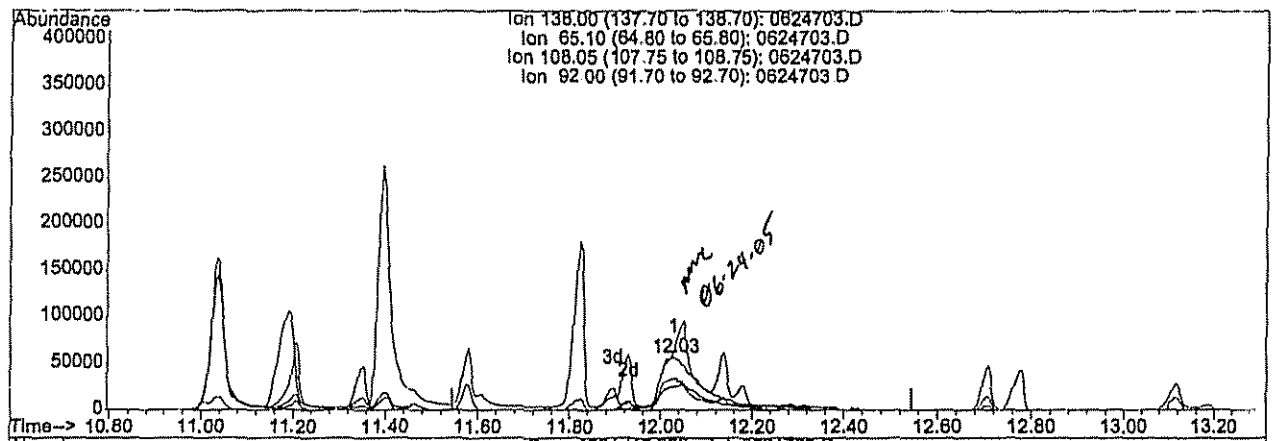
Ion	Exp%	Act%
122.00	100	100
105.00	27.00	80.84#
77.00	20.40	57.80#
0.00	0.00	0.00

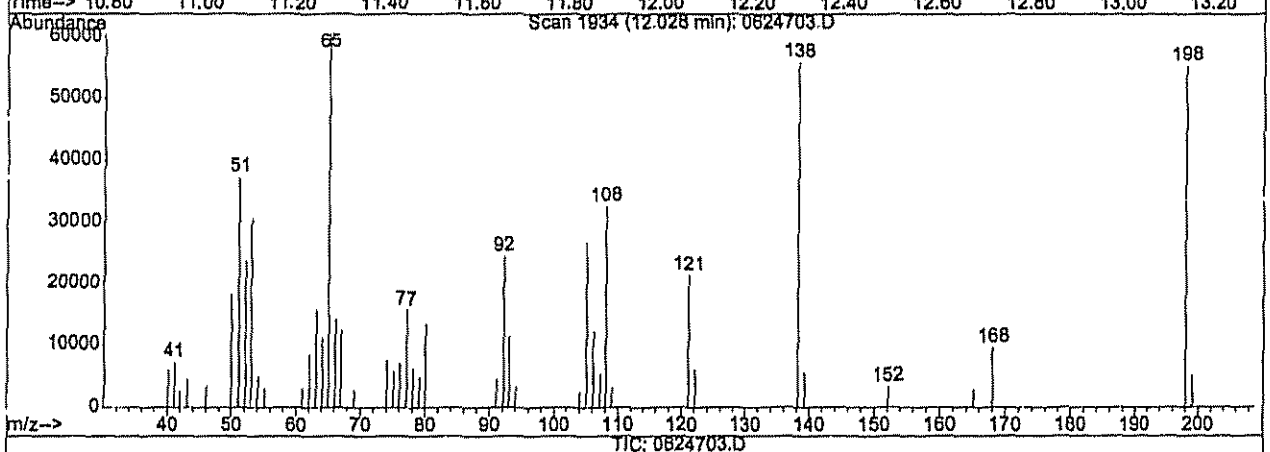
0624703.D 8270.M Fri Jun 24 14:06:46 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624703.D Vial: 3
Acq On : 24 Jun 2005 1:06 pm Operator: MRC
Sample : SVCAL24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:07 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:06:08 2005
Response via : Multiple Level Calibration





TIC: 0624703.D

(52) 4-Nitroaniline (TM)

12.03min 23.92ug/mL m

response 375629

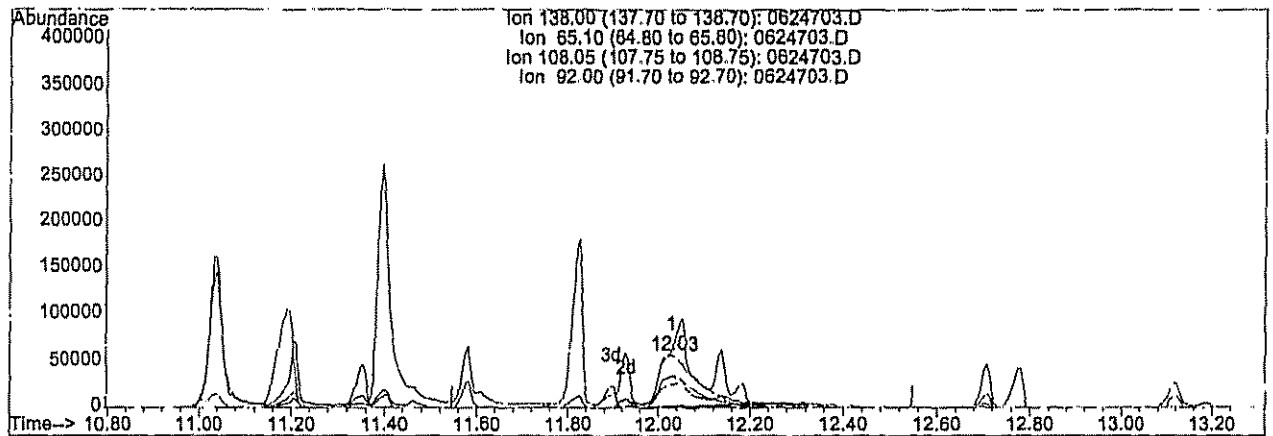
Ion	Exp%	Act%
138.00	100	100
65.10	93.50	108.34
108.05	57.10	58.47
92.00	39.50	43.88

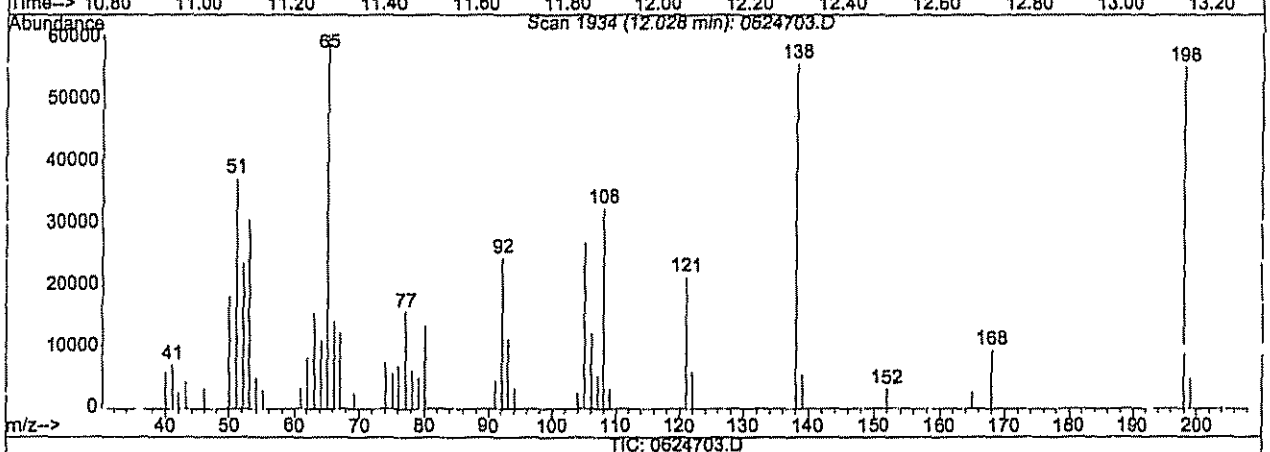
0624703.D 8270.M Fri Jun 24 14:07:20 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624703.D Vial: 3
Acq On : 24 Jun 2005 1:06 pm Operator: MRC
Sample : SVCAL24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:06 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:06:08 2005
Response via : Multiple Level Calibration





TIC: 0624703.D

(52) 4-Nitroaniline (TM)

12.03min 20.51ug/mL

response 322046

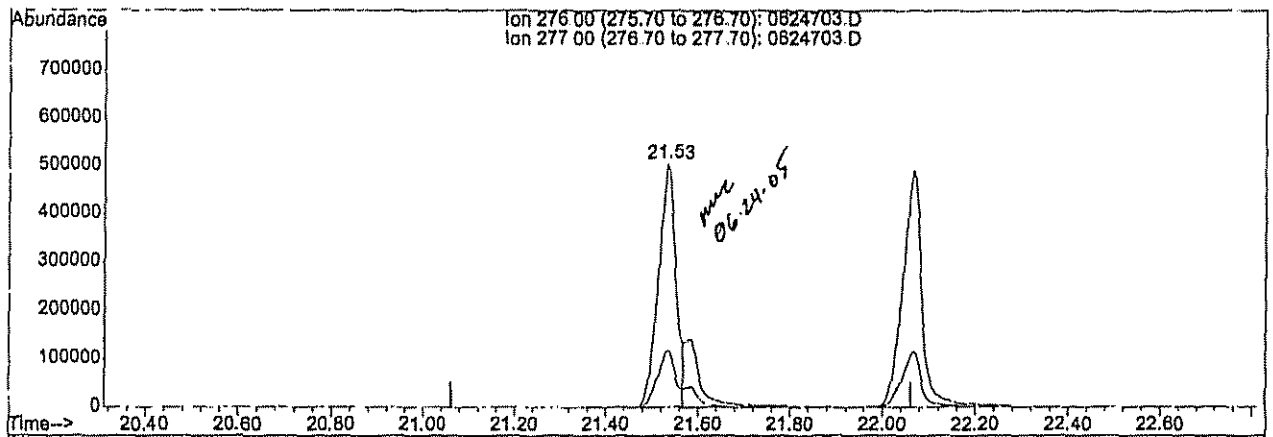
Ion	Exp%	Act%
138.00	100	100
65.10	93.50	105.90
108.05	57.10	62.26
92.00	39.50	46.73

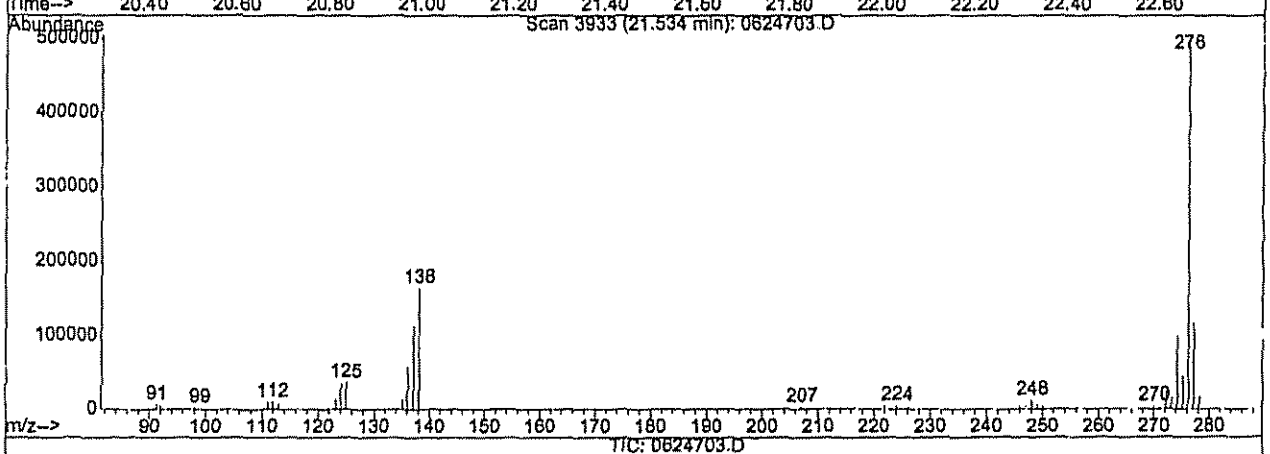
0624703.D 8270.M Fri Jun 24 14:07:16 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624703.D Vial: 3
Acq On : 24 Jun 2005 1:06 pm Operator: MRC
Sample : SVCAL24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:07 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:06:08 2005
Response via : Multiple Level Calibration





TIC: 0624703.D

(98) Indeno(1,2,3-c,d)pyrene (TM)

21.53min 22.74ug/mL m

response 1310322

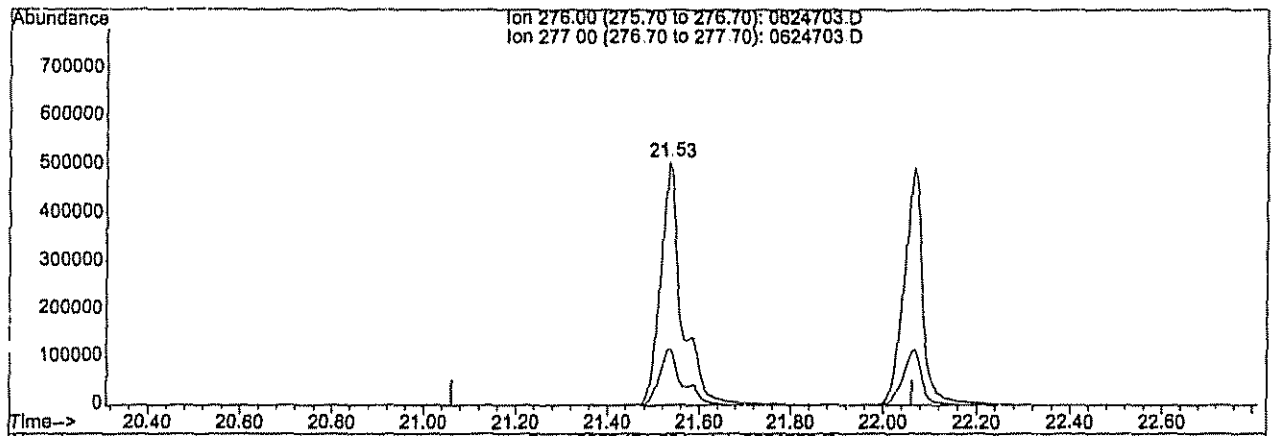
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.25
0.00	0.00	0.00
0.00	0.00	0.00

0624703.D 8270.M Fri Jun 24 14:07:50 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624703.D Vial: 3
Acq On : 24 Jun 2005 1:06 pm Operator: MRC
Sample : SVCAL24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:07 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:06:08 2005
Response via : Multiple Level Calibration



TIC: 0624703.D

(98) Indeno(1,2,3-c,d)pyrene (TM)

21.53min 28.81ug/mL

response 1659900

Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.25
0.00	0.00	0.00
0.00	0.00	0.00

0624703.D 8270.M Fri Jun 24 14:07:45 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624704.D Vial: 4
Acq On : 24 Jun 2005 1:40 pm Operator: MRC
Sample : SVCAL12 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:10:39 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:10:32 2005
Response via : Initial Calibration
DataAcq Meth : 8270

vmc 06-24-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.33	152	236669	4.00	ug/mL	0.00
18) Naphthalene-D8	8.24	136	946489	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.00	164	479096	4.00	ug/mL	0.00
55) Phenanthrene-D10	13.37	188	769891	4.00	ug/mL	0.00
85) Chrysene-D12	17.60	240	457553	4.00	ug/mL	0.00
93) Perylene-D12	19.72	264	255747	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	4.60	112	707421m	12.22	ug/mL	0.00
Spiked Amount 10.000			Recovery = 122.20%			
17) Phenol-d6 (surr)	5.91	99	1007326	13.04	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 130.40%			
32) Nitrobenzene-d5 (surr)	7.17	128	394939	12.62	ug/mL	-0.01
Spiked Amount 10.000			Recovery = 126.20%			
53) 2-Fluorobiphenyl (surr)	9.97	172	1608176	13.86	ug/mL	0.00
Spiked Amount 10.000			Recovery = 138.60%			
54) 2,4,6-Tribromophenol (surr	12.27	330	198334	12.68	ug/mL	-0.01
Spiked Amount 10.000			Recovery = 126.80%			
92) 4-Terphenyl-d14 (surr)	15.97	244	1438572	13.84	ug/mL	-0.01
Spiked Amount 10.000			Recovery = 138.40%			
Target Compounds						Qvalue
2) Pyridine	3.06	79	568845	12.93	ug/mL	96
3) N-Nitrosodimethylamine	3.10	74	428195	18.19	ug/mL	100
4) Phenol	5.93	94	1181522	13.23	ug/mL	99
5) Bis(2-chloroethyl)ether	6.01	93	884188	12.65	ug/mL	99
6) 2-Chlorophenol	6.05	128	910322	12.72	ug/mL	100
7) Benzyl Alcohol	6.59	108	585756	12.27	ug/mL	99
8) 1,3-Dichlorobenzene	6.24	146	944016	12.98	ug/mL	100
9) 1,4-Dichlorobenzene	6.35	146	986301	13.31	ug/mL	98
10) 1,2-Dichlorobenzene	6.57	146	875868	13.10	ug/mL	99
11) 2-Methylphenol	6.78	107	661471	13.87	ug/mL	98
12) 3-, 4-Methylphenol	7.02	107	989364	14.93	ug/mL	99
13) Bis(2-chloroisopropyl)ethe	6.78	45	1231357	14.60	ug/mL#	83
14) N-Nitrosodi-n-propylamine	6.99	70	473741	13.23	ug/mL	99
15) Hexachloroethane	7.05	117	318174	15.19	ug/mL	99
19) Nitrobenzene	7.20	77	817839	13.38	ug/mL	97
20) Isophorone	7.58	82	1244287	12.52	ug/mL	99
21) 2-Nitrophenol	7.68	139	522410	12.68	ug/mL	98
22) 2,4-Dimethylphenol	7.81	122	757854	13.24	ug/mL	99
23) Benzoic Acid	8.11	122	470111	11.28	ug/mL#	12
24) Bis(2-chloroethoxy)methane	7.94	93	952012	13.43	ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624704.D Vial: 4
Acq On : 24 Jun 2005 1:40 pm Operator: MRC
Sample : SVCAL12 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:10:39 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:10:32 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	2,4-Dichlorophenol	8.07	162	716595	13.25	ug/mL	99
26)	1,2,4-Trichlorobenzene	8.16	180	739940	13.56	ug/mL	100
27)	Naphthalene	8.27	128	2365444	13.99	ug/mL	100
28)	4-Chloroaniline	8.46	127	369694m	8.71	ug/mL	
29)	Hexachlorobutadiene	8.49	225	358731	13.84	ug/mL	99
30)	4-Chloro-3-methylphenol	9.23	107	715878	13.34	ug/mL	99
31)	2-Methylnaphthalene	9.36	142	1803390	14.35	ug/mL	98
34)	Hexachlorocyclopentadiene	9.62	237	143405	12.57	ug/mL	99
35)	2,4,6-Trichlorophenol	9.84	196	494229	13.18	ug/mL	100
36)	2,4,5-Trichlorophenol	9.91	196	500113	12.37	ug/mL	98
37)	2-Chloronaphthalene	10.13	162	1424757	13.65	ug/mL	98
38)	2-Nitroaniline	10.34	65	405676	11.90	ug/mL	97
39)	3-Nitroaniline	11.04	138	56561	3.58	ug/mL#	94
40)	1-Methylnaphthalene	9.51	142	1642444	14.46	ug/mL	98
41)	Dimethylphthalate	10.67	163	1625392	12.88	ug/mL	99
42)	Acenaphthylene	10.77	152	2068171	14.91	ug/mL	100
43)	2,6-Dinitrotoluene	10.74	165	371079	14.04	ug/mL	96
44)	Acenaphthene	11.05	153	1447723	14.14	ug/mL	99
45)	2,4-Dinitrophenol	11.20	184	212837	12.48	ug/mL	97
46)	4-Nitrophenol	11.38	109	160056	11.75	ug/mL	93
47)	Dibenzofuran	11.34	168	2165273	13.87	ug/mL	100
48)	2,4-Dinitrotoluene	11.39	165	466704	13.12	ug/mL	98
49)	Fluorene	11.88	166	1579237	13.81	ug/mL	100
50)	Diethylphthalate	11.81	149	1595090	13.58	ug/mL	99
51)	4-Chlorophenyl phenyl ethe	11.92	204	752901	13.70	ug/mL	98
52)	4-Nitroaniline	12.04	138	171165m	11.73	ug/mL	
56)	4,6-Dinitro-2-methylphenol	12.03	198	280470	12.76	ug/mL	96
57)	Diphenylamine	12.13	169	562157	13.98	ug/mL	97
58)	4-bromophenyl phenyl ether	12.69	248	410626	15.13	ug/mL	96
59)	Hexachlorobenzene	12.76	284	417356	13.53	ug/mL	97
60)	Pentachlorophenol	13.11	266	261782	11.56	ug/mL	99
61)	Phenanthrene	13.41	178	2351948	13.95	ug/mL	100
62)	Carbazole	13.79	167	480040	7.31	ug/mL	97
63)	Anthracene	13.49	178	2274763	14.00	ug/mL	100
64)	Azobenzene	12.17	77	1569468	14.07	ug/mL	98
65)	Di-n-Butylphthalate	14.43	149	2738023	14.05	ug/mL	99
66)	Fluoranthene	15.30	202	2225210	13.61	ug/mL	97
67)	alpha-BHC	12.70	183	275175	14.73	ug/mL	98
68)	beta-BHC	13.08	181	246905	14.73	ug/mL	96
69)	gamma-BHC	13.18	183	245281	14.03	ug/mL	99
70)	delta-BHC	13.57	183	228424	13.82	ug/mL	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624704.D Vial: 4
Acq On : 24 Jun 2005 1:40 pm Operator: MRC
Sample : SVCAL12 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:10:39 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:10:32 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.17	100	287550	15.58 ug/mL	94
72)	Aldrin	14.66	66	274463	16.02 ug/mL	93
73)	Heptachlor Epoxide	15.17	353	125611	13.36 ug/mL	99
74)	Endosulfan I	15.66	195	69781	17.28 ug/mL	95
75)	4,4'-DDE	15.90	246	461335	14.24 ug/mL	99
76)	Dieldrin	15.99	79	363224	18.23 ug/mL	95
77)	Endrin	16.00	263	69722	15.45 ug/mL	87
78)	Endosulfan II	0.00	35	0	N.D.	
79)	4,4'-DDD	16.44	235	879675	14.13 ug/mL	100
80)	Endosulfan Sulfate	16.88	272	106826	14.00 ug/mL	94
81)	4,4'-DDT	16.91	235	539326	13.28 ug/mL	98
82)	Endrin Aldehyde	0.00	35	0	N.D.	
83)	Endrin Ketone	17.49	317	88060	12.99 ug/mL	99
84)	Methoxychlor	17.57	227	1010146	13.81 ug/mL	91
86)	Pyrene	15.66	202	2014663	14.25 ug/mL	100
87)	Butylbenzylphthalate	16.82	149	1163925	12.86 ug/mL	96
88)	Benzo[a]anthracene	17.58	228	1649856	13.13 ug/mL	99
89)	3,3'-Dichlorobenzidine	17.61	252	203403	8.24 ug/mL	97
90)	Chrysene	17.64	228	1497207	12.38 ug/mL	100
91)	Bis(2-ethylhexyl)phthalate	17.78	149	1620822	13.21 ug/mL	99
94)	Di-n-octylphthalate	18.76	149	2615665	15.69 ug/mL	100
95)	Benzo[b]fluoranthene	19.19	252	1119255	12.58 ug/mL	99
96)	Benzo[k]fluoranthene	19.23	252	1220878	15.73 ug/mL	100
97)	Benzo[a]pyrene	19.64	252	885691	13.15 ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	21.52	276	460247m	9.55 ug/mL	
99)	Dibenzo[a,h]anthracene	21.57	278	483826	10.33 ug/mL	99
100)	Benzo[g,h,i]perylene	22.04	276	535391	10.75 ug/mL	99

(#) = qualifier out of range (m) = manual integration
0624704.D 8270.M Fri Jun 24 17:12:57 2005 ENV Page 3

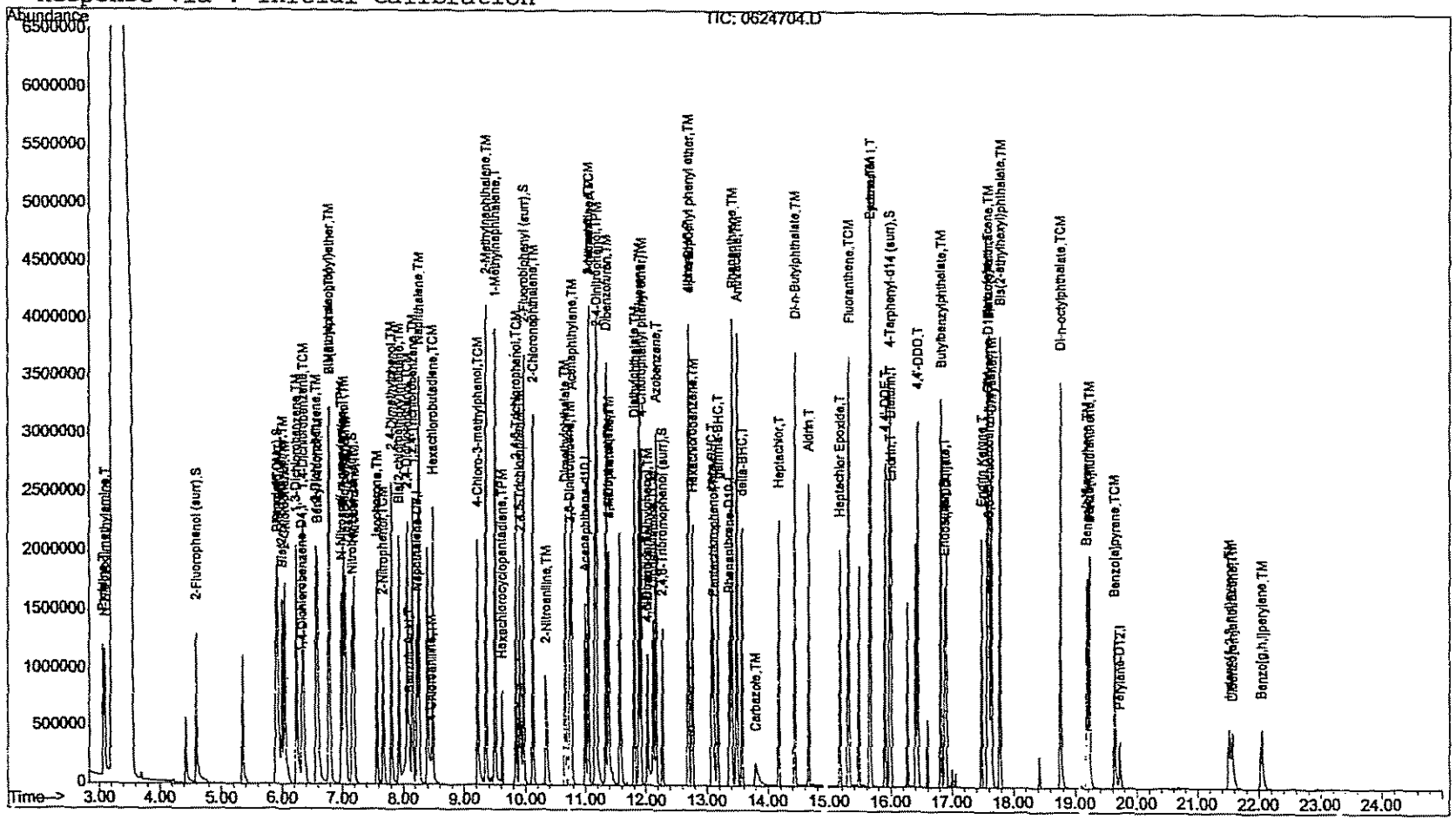
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624704.D
Acq On : 24 Jun 2005 1:40 pm
Sample : SVCAL12
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 24 14:12 2005

Vial: 4
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration



0624704.D 8270.M Fri Jun 24 17:12:59 2005 ENV

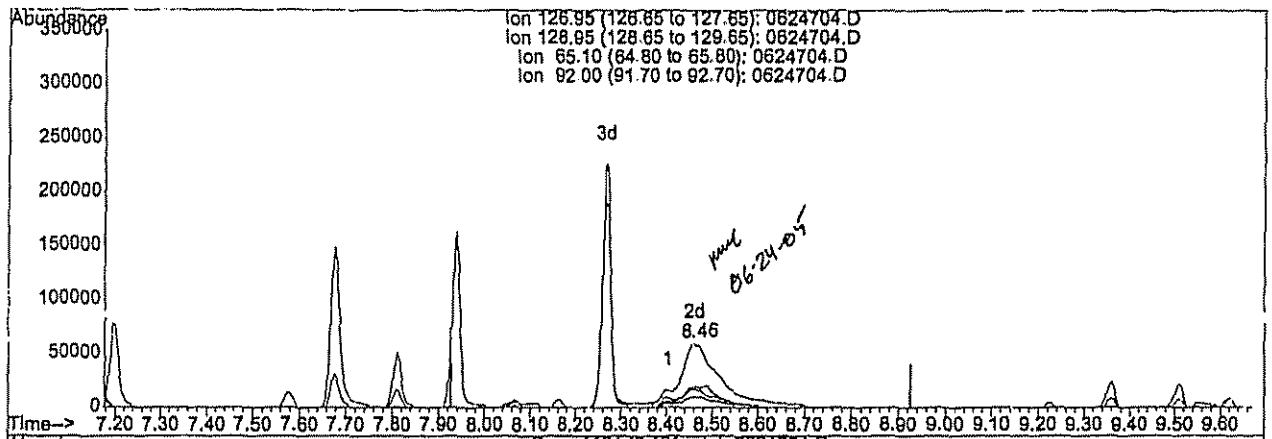
N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624704.D Vial: 4
Acq On : 24 Jun 2005 1:40 pm Operator: MRC
Sample : SVCAL12 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:11 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:10:32 2005
Response via : Multiple Level Calibration



(28) 4-Chloroaniline (TM)

8.46min 8.71ug/mL m

response 369694

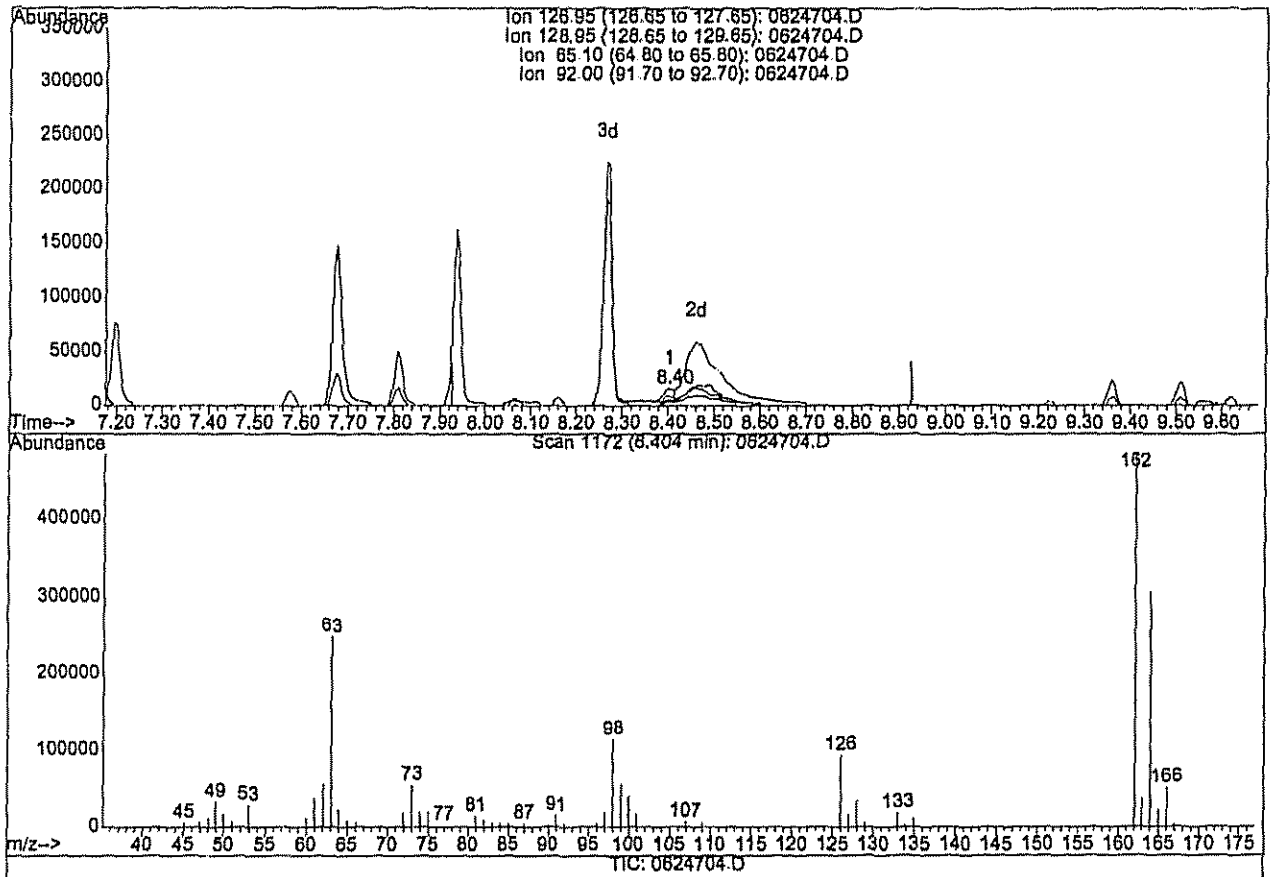
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	32.82
65.10	28.40	28.35
92.00	16.90	16.61

0624704.D 8270.M Fri Jun 24 14:11:15 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624704.D Vial: 4
Acq On : 24 Jun 2005 1:40 pm Operator: MRC
Sample : SVCAL12 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:11 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:10:32 2005
Response via : Multiple Level Calibration



(28) 4-Chloroaniline (TM)

8.40min 0.48ug/mL

response 20465

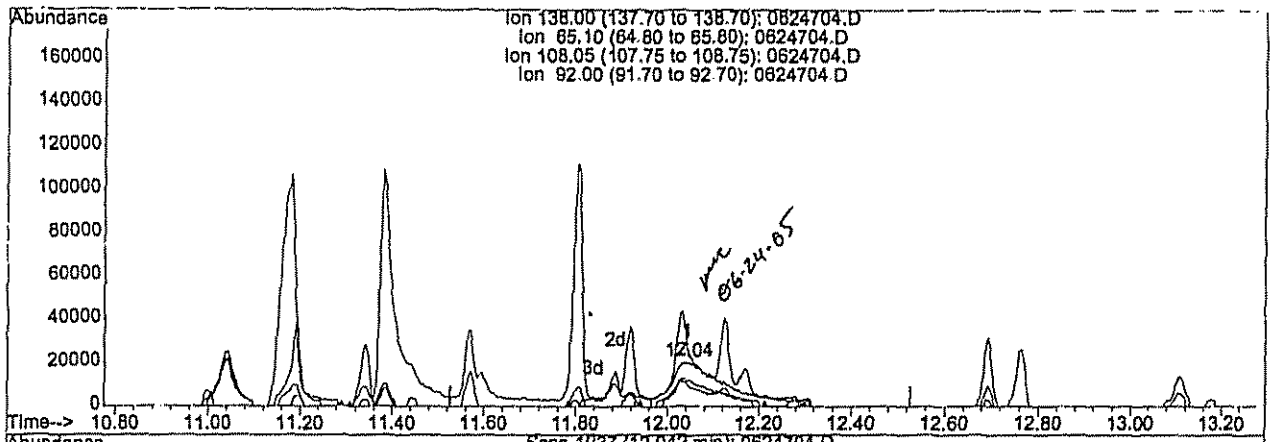
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	46.96#
65.10	28.40	72.24#
92.00	16.90	36.31#

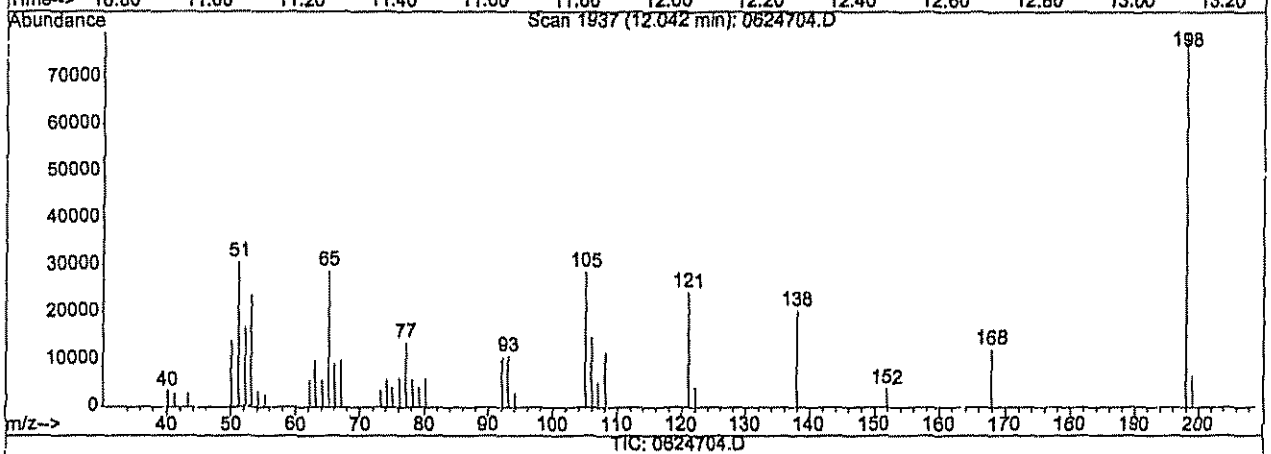
0624704.D 8270.M Fri Jun 24 14:11:09 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624704.D Vial: 4
Acq On : 24 Jun 2005 1:40 pm Operator: MRC
Sample : SVCAL12 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:11 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:10:32 2005
Response via : Multiple Level Calibration





(52) 4-Nitroaniline (TM)

12.04min 11.73ug/mL m

response 171165

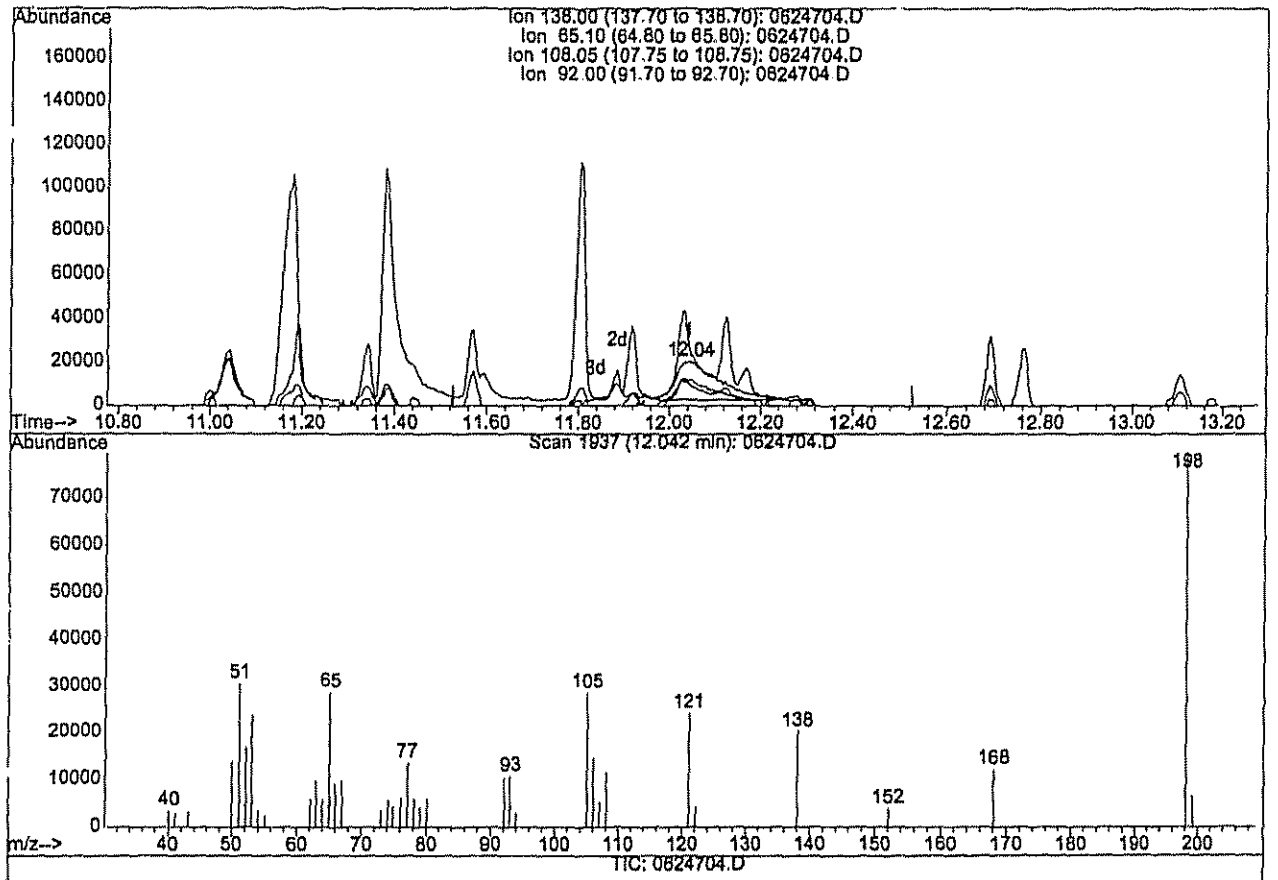
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	141.03#
108.05	58.50	56.60
92.00	43.90	51.22

0624704.D 8270.M Fri Jun 24 14:11:38 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624704.D Vial: 4
Acq On : 24 Jun 2005 1:40 pm Operator: MRC
Sample : SVCAL12 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:11 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:10:32 2005
Response via : Multiple Level Calibration



(52) 4-Nitroaniline (TM)

12.04min 7.90ug/mL

response 115241

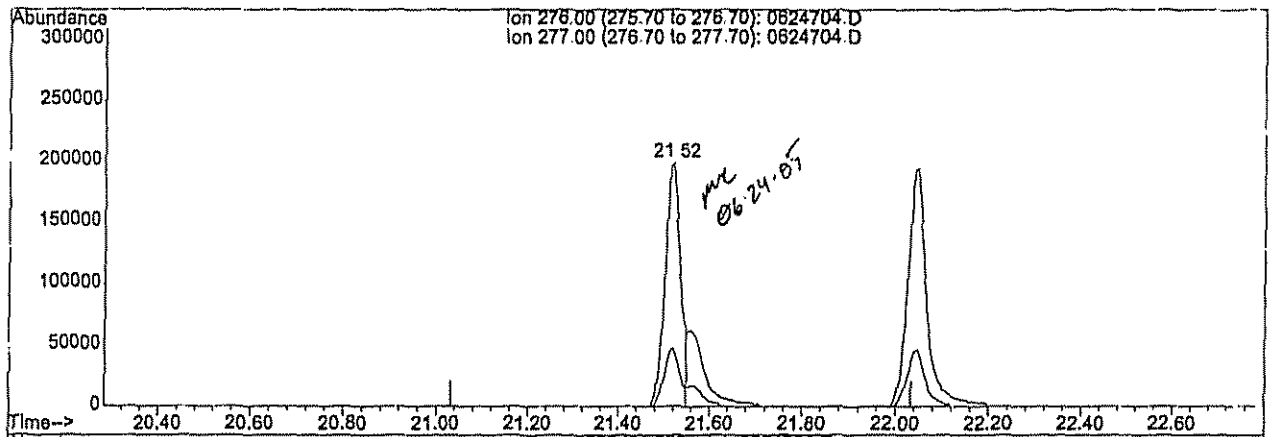
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	144.68#
108.05	58.50	65.77
92.00	43.90	59.52#

0624704.D 8270.M Fri Jun 24 14:11:34 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624704.D Vial: 4
Acq On : 24 Jun 2005 1:40 pm Operator: MRC
Sample : SVCAL12 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:12 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:10:32 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.52min 9.55ug/mL m

response 460247

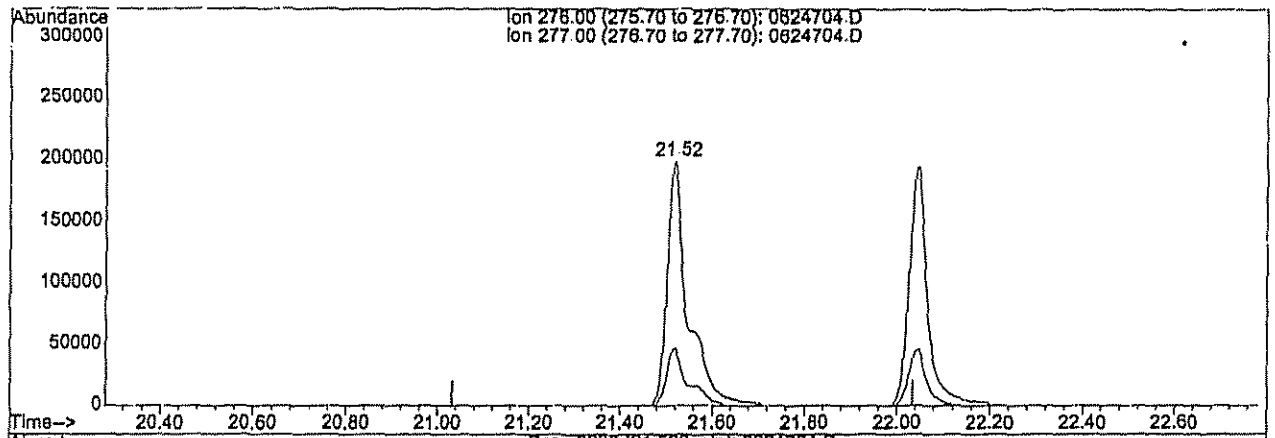
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.80
0.00	0.00	0.00
0.00	0.00	0.00

0624704.D 8270.M Fri Jun 24 14:12:05 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624704.D Vial: 4
Acq On : 24 Jun 2005 1:40 pm Operator: MRC
Sample : SVCAL12 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:11 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:10:32 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.52min 13.11ug/mL

response 631552

Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.80
0.00	0.00	0.00
0.00	0.00	0.00

0624704.D 8270.M Fri Jun 24 14:12:00 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624705.D Vial: 5
Acq On : 24 Jun 2005 2:14 pm Operator: MRC
Sample : SVCAL8 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:39:41 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:12:17 2005
Response via : Initial Calibration
DataAcq Meth : 8270

pmc 06.24.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.33	152	231083	4.00	ug/mL	0.00
18) Naphthalene-D8	8.23	136	936392	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.00	164	460862	4.00	ug/mL	0.00
55) Phenanthrene-D10	13.36	188	743189	4.00	ug/mL	0.00
85) Chrysene-D12	17.59	240	442491	4.00	ug/mL	-0.01
93) Perylene-D12	19.72	264	303624	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	4.59	112	432582m	7.61	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	76.10%	
17) Phenol-d6 (surr)	5.90	99	628251	8.10	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	81.00%	
32) Nitrobenzene-d5 (surr)	7.17	128	238715	7.58	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	75.80%	
53) 2-Fluorobiphenyl (surr)	9.97	172	1016332	8.66	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	86.60%	
54) 2,4,6-Tribromophenol (surr	12.27	330	114576	7.47	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	74.70%	
92) 4-Terphenyl-d14 (surr)	15.97	244	898157	8.50	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	85.00%	
Target Compounds						Qvalue
2) Pyridine	3.04	79	378092	8.58	ug/mL	96
3) N-Nitrosodimethylamine	3.06	74	268492	9.97	ug/mL	98
4) Phenol	5.92	94	723547	8.03	ug/mL	99
5) Bis(2-chloroethyl)ether	6.00	93	555836	8.00	ug/mL	97
6) 2-Chlorophenol	6.05	128	561450	7.88	ug/mL	97
7) Benzyl Alcohol	6.59	108	352545	7.51	ug/mL	99
8) 1,3-Dichlorobenzene	6.24	146	580727	7.96	ug/mL	99
9) 1,4-Dichlorobenzene	6.35	146	620690	8.28	ug/mL	99
10) 1,2-Dichlorobenzene	6.57	146	548010	8.14	ug/mL	98
11) 2-Methylphenol	6.78	107	431169	8.80	ug/mL	98
12) 3-, 4-Methylphenol	7.02	107	630929	9.02	ug/mL	95
13) Bis(2-chloroisopropyl)ethe	6.78	45	798282	9.04	ug/mL#	90
14) N-Nitrosodi-n-propylamine	6.99	70	287150	7.94	ug/mL	98
15) Hexachloroethane	7.05	117	201151	9.04	ug/mL	96
19) Nitrobenzene	7.20	77	512988	8.17	ug/mL	99
20) Isophorone	7.57	82	775590	7.78	ug/mL	100
21) 2-Nitrophenol	7.68	139	318938	7.68	ug/mL	98
22) 2,4-Dimethylphenol	7.80	122	467479	7.98	ug/mL	100
23) Benzoic Acid	8.08	122	251466	6.22	ug/mL#	13
24) Bis(2-chloroethoxy)methane	7.93	93	588241	8.07	ug/mL	99

(#) = qualifier out of range (m) = manual integration
0624705.D 8270.M Fri Jun 24 17:13:03 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624705.D Vial: 5
Acq On : 24 Jun 2005 2:14 pm Operator: MRC
Sample : SVCAL8 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:39:41 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:12:17 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	2,4-Dichlorophenol	8.07	162	438336	7.92	ug/mL	98
26)	1,2,4-Trichlorobenzene	8.16	180	457072	8.12	ug/mL	96
27)	Naphthalene	8.27	128	1476328	8.36	ug/mL	100
28)	4-Chloroaniline	8.47	127	158325m	4.15	ug/mL	
29)	Hexachlorobutadiene	8.49	225	225842	8.38	ug/mL	99
30)	4-Chloro-3-methylphenol	9.22	107	439786	7.99	ug/mL	99
31)	2-Methylnaphthalene	9.36	142	1120459	8.46	ug/mL	100
34)	Hexachlorocyclopentadiene	9.62	237	75113	6.74	ug/mL	99
35)	2,4,6-Trichlorophenol	9.84	196	302924	8.13	ug/mL	100
36)	2,4,5-Trichlorophenol	9.91	196	340463	8.66	ug/mL	98
37)	2-Chloronaphthalene	10.12	162	899237	8.56	ug/mL	98
38)	2-Nitroaniline	10.34	65	238826	7.30	ug/mL	96
39)	3-Nitroaniline	11.04	138	24209	2.08	ug/mL#	95
40)	1-Methylnaphthalene	9.51	142	1009916	8.65	ug/mL	98
41)	Dimethylphthalate	10.66	163	998087	8.02	ug/mL	100
42)	Acenaphthylene	10.77	152	1353319	9.38	ug/mL	99
43)	2,6-Dinitrotoluene	10.74	165	229261	8.53	ug/mL	97
44)	Acenaphthene	11.05	153	901299	8.64	ug/mL	99
45)	2,4-Dinitrophenol	11.19	184	121023	7.28	ug/mL	95
46)	4-Nitrophenol	11.38	109	86337	6.64	ug/mL#	85
47)	Dibenzofuran	11.34	168	1336148	8.46	ug/mL	99
48)	2,4-Dinitrotoluene	11.38	165	286397	8.12	ug/mL	99
49)	Fluorene	11.88	166	987391	8.55	ug/mL	99
50)	Diethylphthalate	11.80	149	1004468	8.52	ug/mL	99
51)	4-Chlorophenyl phenyl ethe	11.92	204	472822	8.54	ug/mL	99
52)	4-Nitroaniline	12.05	138	100807m	7.24	ug/mL	
56)	4,6-Dinitro-2-methylphenol	12.03	198	160184	7.39	ug/mL	96
57)	Diphenylamine	12.12	169	432253	10.55	ug/mL	99
58)	4-bromophenyl phenyl ether	12.69	248	261921	9.20	ug/mL	96
59)	Hexachlorobenzene	12.76	284	258523	8.33	ug/mL	95
60)	Pentachlorophenol	13.11	266	143893	6.66	ug/mL	94
61)	Phenanthrene	13.40	178	1491686	8.69	ug/mL	100
62)	Carbazole	13.79	167	405595	7.36	ug/mL	98
63)	Anthracene	13.48	178	1437467	8.68	ug/mL	100
64)	Azobenzene	12.17	77	1006889	8.84	ug/mL	97
65)	Di-n-Butylphthalate	14.43	149	1767564	8.89	ug/mL	100
66)	Fluoranthene	15.30	202	1386218	8.41	ug/mL	96
67)	alpha-BHC	12.70	183	176817	9.11	ug/mL	98
68)	beta-BHC	13.07	181	153177	8.80	ug/mL	96
69)	gamma-BHC	13.17	183	156793	8.79	ug/mL	99
70)	delta-BHC	13.57	183	144341	8.61	ug/mL	99

(#) = qualifier out of range (m) = manual integration
0624705.D 8270.M Fri Jun 24 17:13:03 2005 ENV Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624705.D Vial: 5
Acq On : 24 Jun 2005 2:14 pm Operator: MRC
Sample : SVCAL8 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:39:41 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:12:17 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Heptachlor	14.17	100	188323	9.61	ug/mL	92
72)	Aldrin	14.65	66	178666	9.72	ug/mL	91
73)	Heptachlor Epoxide	15.17	353	78594	8.34	ug/mL	98
74)	Endosulfan I	15.65	195	46960	10.51	ug/mL	91
75)	4,4'-DDE	15.90	246	294275	8.86	ug/mL	100
76)	Dieldrin	15.99	79	239247	10.60	ug/mL	95
77)	Endrin	15.99	263	45471	9.52	ug/mL	82
78)	Endosulfan II	0.00	35	0	N.D.		
79)	4,4'-DDD	16.44	235	530250	8.33	ug/mL	100
80)	Endosulfan Sulfate	16.88	272	71013	9.13	ug/mL	94
81)	4,4'-DDT	16.90	235	387658	9.55	ug/mL	99
82)	Endrin Aldehyde	0.00	35	0	N.D.		
83)	Endrin Ketone	17.48	317	55544	8.26	ug/mL	100
84)	Methoxychlor	17.57	227	763561	10.30	ug/mL	87
86)	Pyrene	15.65	202	1321944	9.10	ug/mL	98
87)	Butylbenzylphthalate	16.81	149	737429	8.23	ug/mL	95
88)	Benzo[a]anthracene	17.58	228	1030474	8.22	ug/mL	98
89)	3,3'-Dichlorobenzidine	17.61	252	117321	5.49	ug/mL	98
90)	Chrysene	17.63	228	930209	7.87	ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	17.77	149	1056302	8.61	ug/mL	99
94)	Di-n-octylphthalate	18.76	149	1690276	7.75	ug/mL	100
95)	Benzo[b]fluoranthene	19.18	252	771745	7.19	ug/mL	99
96)	Benzo[k]fluoranthene	19.22	252	797364	7.84	ug/mL	99
97)	Benzo[a]pyrene	19.63	252	630040	7.63	ug/mL	100
98)	Indeno(1,2,3-c,d)pyrene	21.51	276	373515m	7.01	ug/mL	
99)	Dibenzo[a,h]anthracene	21.57	278	378797	7.14	ug/mL	99
100)	Benzo[g,h,i]perylene	22.04	276	426301	7.47	ug/mL	98

(#) = qualifier out of range (m) = manual integration

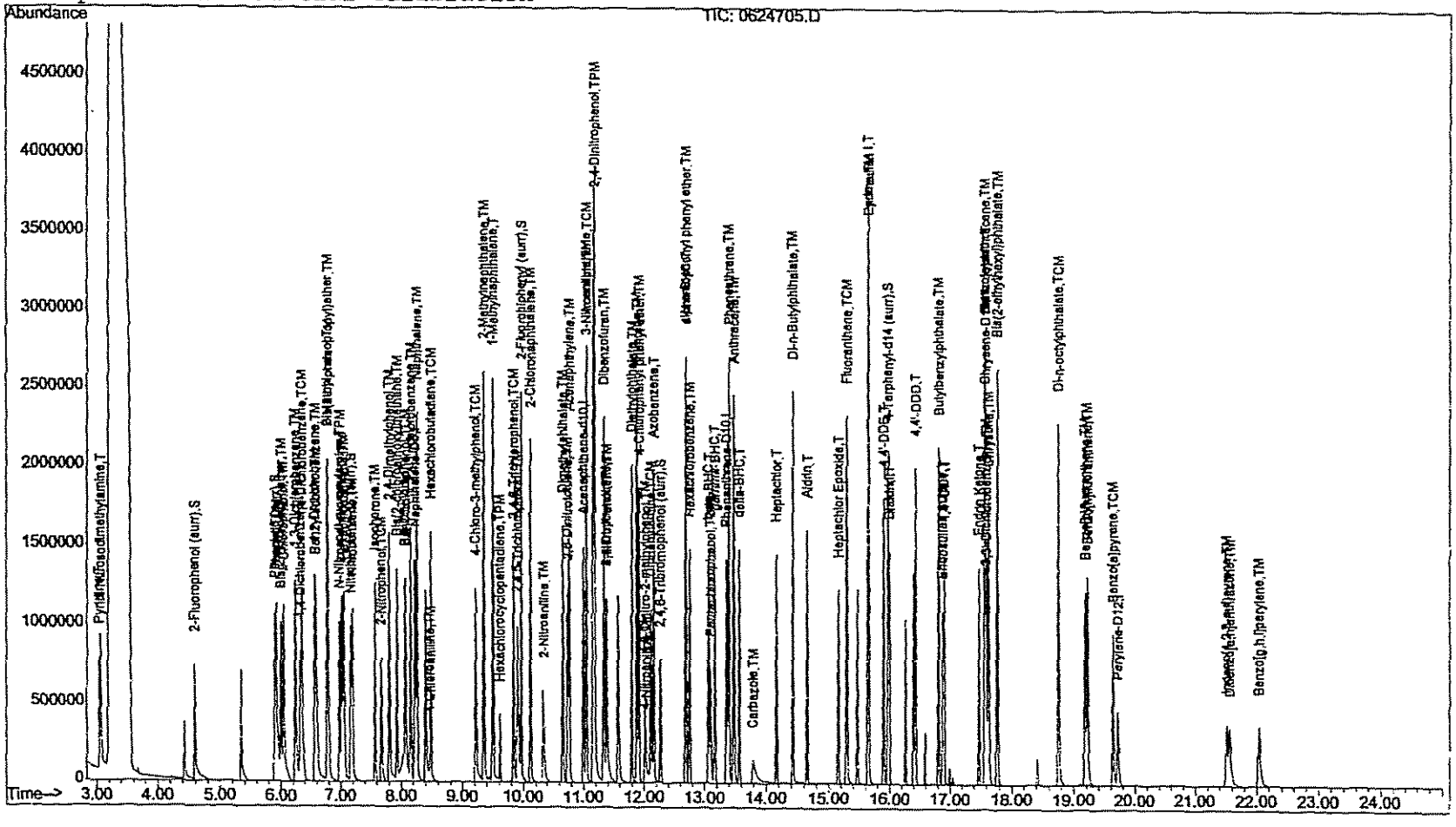
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624705.D
Acq On : 24 Jun 2005 2:14 pm
Sample : SVCAL8
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 24 15:32 2005

Vial: 5
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration



0624705.D 8270.M Fri Jun 24 17:13:06 2005 ENV

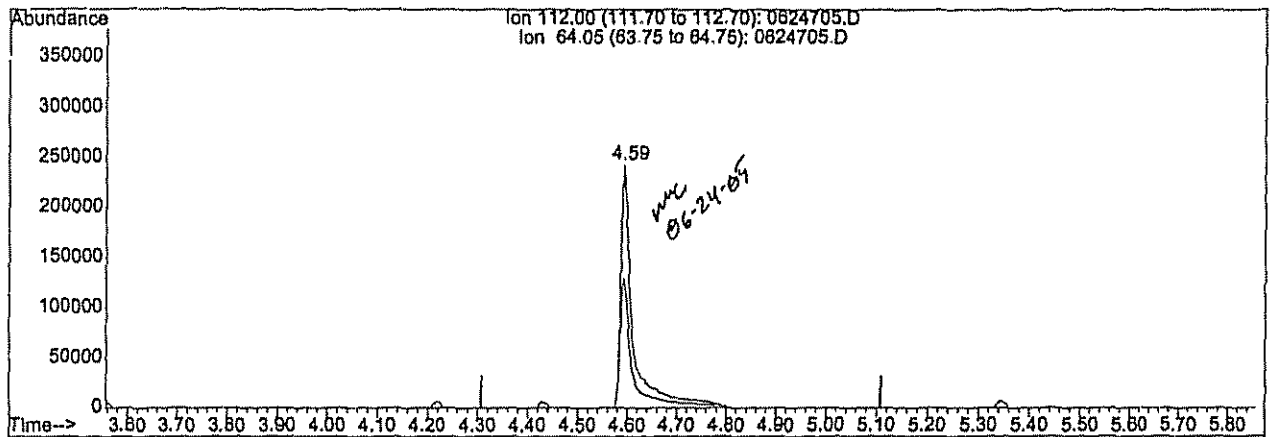
N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624705.D Vial: 5
Acq On : 24 Jun 2005 2:14 pm Operator: MRC
Sample : SVCAL8 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:31 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:12:17 2005
Response via : Multiple Level Calibration



TIC: 0624705.D

(16) 2-Fluorophenol (surr) (S)

4.59min 7.61ug/mL m

response 432582

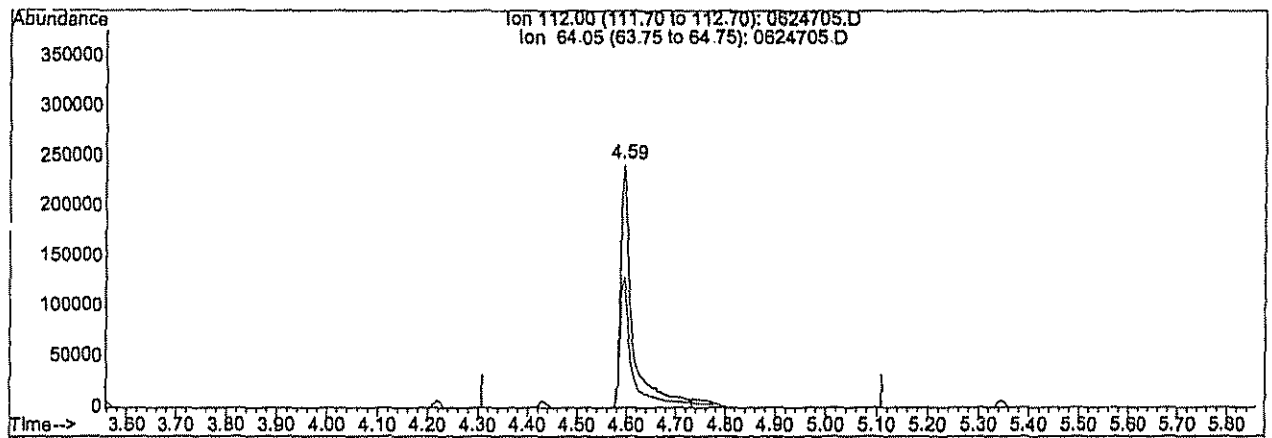
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	54.05
0.00	0.00	0.00
0.00	0.00	0.00

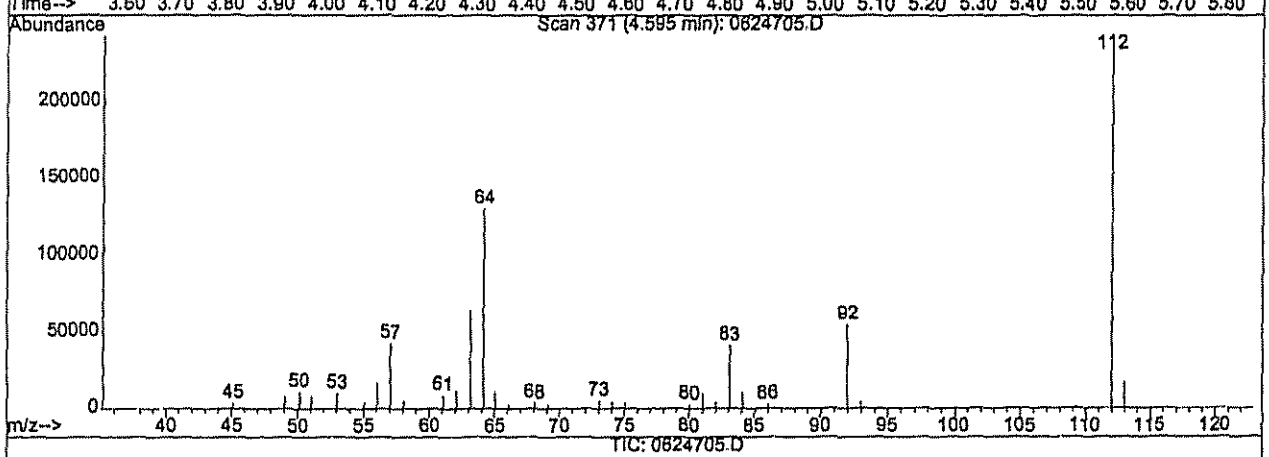
0624705.D 8270.M Fri Jun 24 15:31:13 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624705.D Vial: 5
Acq On : 24 Jun 2005 2:14 pm Operator: MRC
Sample : SVCAL8 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 14:39 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:12:17 2005
Response via : Multiple Level Calibration





(16) 2-Fluorophenol (surr) (S)

4.59min 7.23ug/mL

response 411138

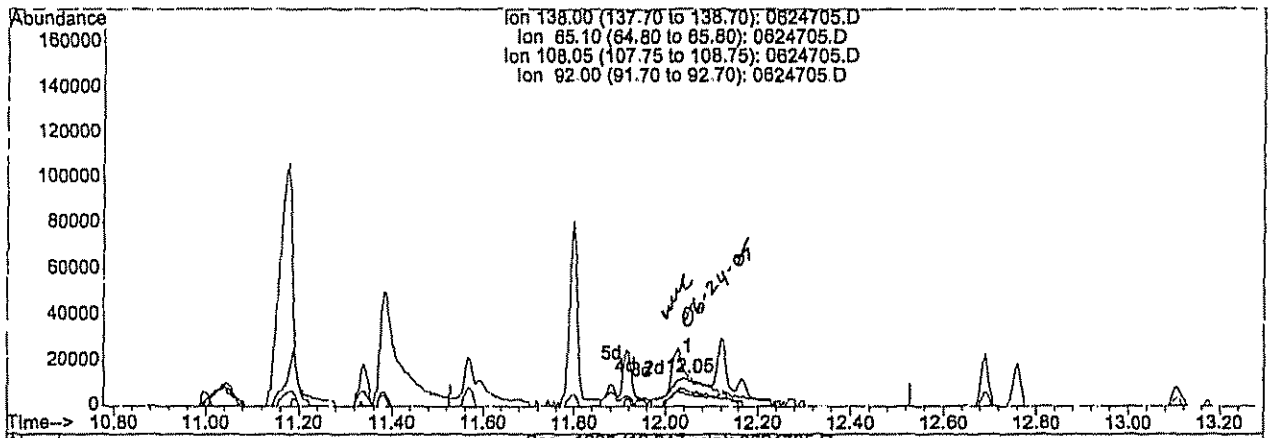
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	56.87
0.00	0.00	0.00
0.00	0.00	0.00

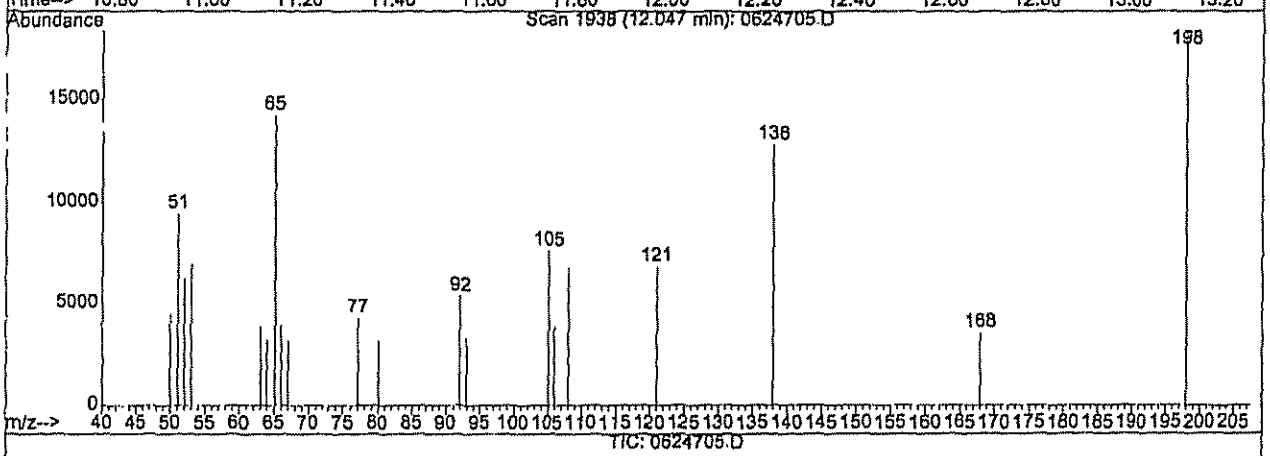
0624705.D 8270.M Fri Jun 24 15:31:09 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624705.D Vial: 5
Acq On : 24 Jun 2005 2:14 pm Operator: MRC
Sample : SVCAL8 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:31 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:12:17 2005
Response via : Multiple Level Calibration





(52) 4-Nitroaniline (TM)

12.05min 7.24ug/mL m

response 100807

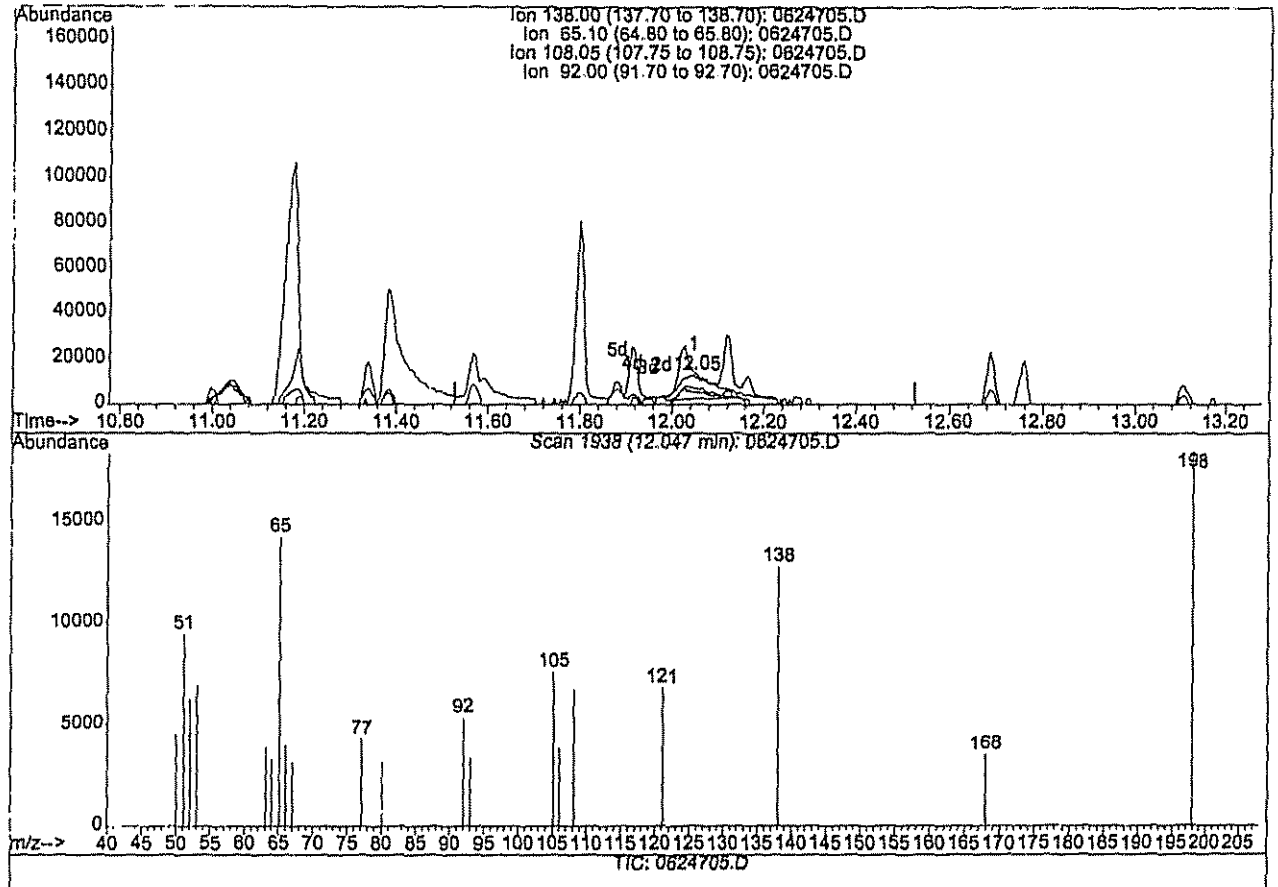
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	111.19
108.05	58.50	53.05
92.00	43.90	42.03

0624705.D 8270.M Fri Jun 24 15:31:43 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624705.D Vial: 5
Acq On : 24 Jun 2005 2:14 pm Operator: MRC
Sample : SVCAL8 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:31 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:12:17 2005
Response via : Multiple Level Calibration



(52) 4-Nitroaniline (TM)

12.05min 3.98ug/mL

response 55405

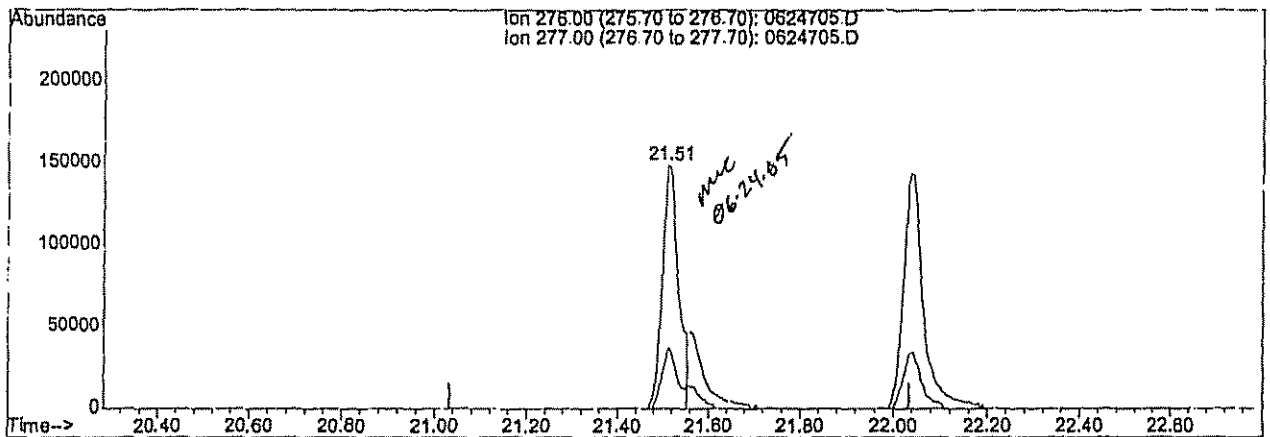
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	109.11
108.05	58.50	69.76
92.00	43.90	55.28#

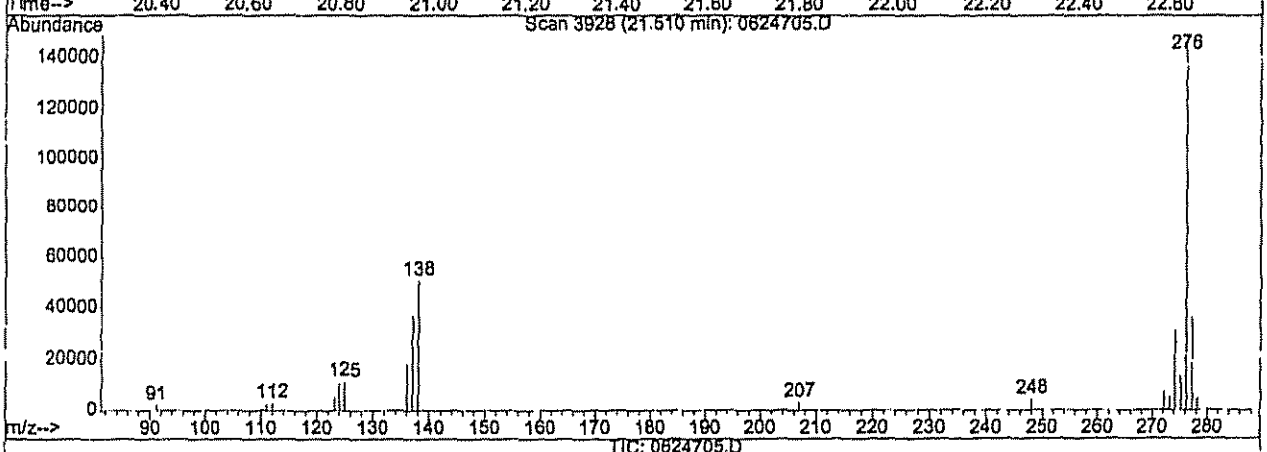
0624705.D 8270.M Fri Jun 24 15:31:39 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624705.D Vial: 5
Acq On : 24 Jun 2005 2:14 pm Operator: MRC
Sample : SVCAL8 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:32 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:12:17 2005
Response via : Multiple Level Calibration





TIC: 0624705.D

(98) Indeno(1,2,3-c,d)pyrene (TM)

21 51min 7.01ug/mL m

response 373515

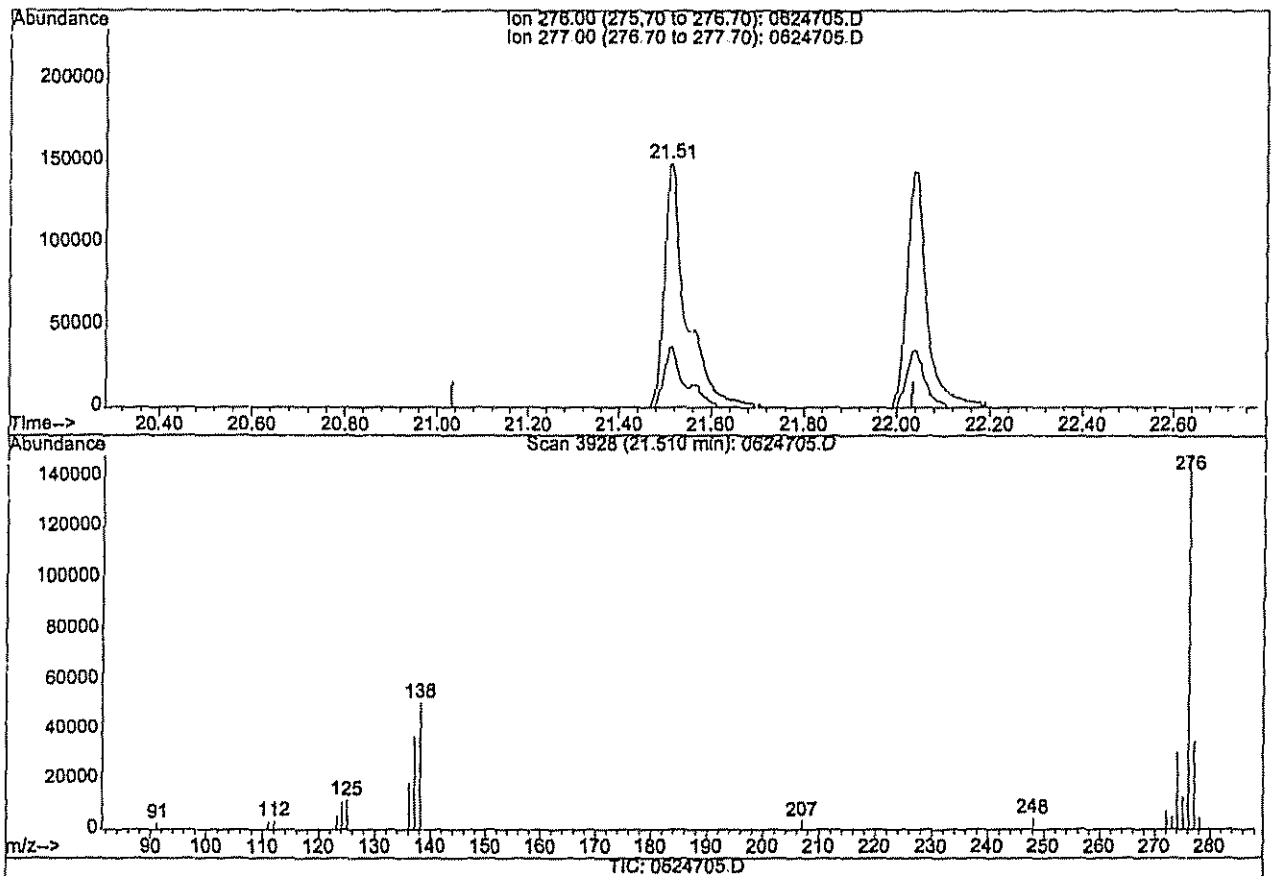
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	24.23
0.00	0.00	0.00
0.00	0.00	0.00

0624705.D 8270.M Fri Jun 24 15:32:11 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624705.D Vial: 5
Acq On : 24 Jun 2005 2:14 pm Operator: MRC
Sample : SVCAL8 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:31 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 14:12:17 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.51min 9.22ug/mL

response 491738

Ion	Exp%	Act%
276.00	100	100
277.00	23.30	24.23
0.00	0.00	0.00
0.00	0.00	0.00

0624705.D 8270.M Fri Jun 24 15:32:07 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624706.D Vial: 6
Acq On : 24 Jun 2005 2:49 pm Operator: MRC
Sample : SVCAL6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:32:29 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:32:19 2005
Response via : Initial Calibration
DataAcq Meth : 8270

mc 06-24-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.33	152	226063	4.00	ug/mL	0.00
18) Naphthalene-D8	8.23	136	913042	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.00	164	452281	4.00	ug/mL	0.00
55) Phenanthrene-D10	13.36	188	731239	4.00	ug/mL	0.00
85) Chrysene-D12	17.59	240	459449	4.00	ug/mL	-0.01
93) Perylene-D12	19.72	264	332611	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	4.59	112	337742m	6.15	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	61.50%	
17) Phenol-d6 (surr)	5.90	99	494463	6.49	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	64.90%	
32) Nitrobenzene-d5 (surr)	7.17	128	188642	6.23	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	62.30%	
53) 2-Fluorobiphenyl (surr)	9.97	172	811624	6.90	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	69.00%	
54) 2,4,6-Tribromophenol (surr	12.27	330	91115	6.16	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	61.60%	
92) 4-Terphenyl-d14 (surr)	15.97	244	726119	6.52	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	65.20%	

Target Compounds						Qvalue
2) Pyridine	3.04	79	269200m	6.13	ug/mL	
3) N-Nitrosodimethylamine	3.06	74	208933	7.47	ug/mL	94
4) Phenol	5.92	94	573174	6.49	ug/mL	98
5) Bis(2-chloroethyl)ether	6.00	93	418602	6.16	ug/mL	97
6) 2-Chlorophenol	6.05	128	439448	6.33	ug/mL	98
7) Benzyl Alcohol	6.59	108	275394	6.09	ug/mL	98
8) 1,3-Dichlorobenzene	6.24	146	466173	6.54	ug/mL	99
9) 1,4-Dichlorobenzene	6.35	146	487986	6.59	ug/mL	97
10) 1,2-Dichlorobenzene	6.57	146	438217	6.63	ug/mL	98
11) 2-Methylphenol	6.78	107	343793	7.00	ug/mL	97
12) 3-, 4-Methylphenol	7.02	107	472676	6.69	ug/mL	98
13) Bis(2-chloroisopropyl)ethe	6.78	45	633219	7.10	ug/mL#	91
14) N-Nitrosodi-n-propylamine	6.98	70	226376	6.41	ug/mL	97
15) Hexachloroethane	7.05	117	159225	7.08	ug/mL	96
19) Nitrobenzene	7.20	77	405336	6.58	ug/mL	99
20) Isophorone	7.57	82	607954	6.30	ug/mL	99
21) 2-Nitrophenol	7.68	139	248485	6.20	ug/mL	97
22) 2,4-Dimethylphenol	7.80	122	372288	6.52	ug/mL	97
23) Benzoic Acid	8.06	122	193260	5.19	ug/mL#	13
24) Bis(2-chloroethoxy)methane	7.93	93	467153	6.56	ug/mL	98

(#) = qualifier out of range (m) = manual integration
0624706.D 8270.M Fri Jun 24 17:13:09 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624706.D Vial: 6
Acq On : 24 Jun 2005 2:49 pm Operator: MRC
Sample : SVCAL6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:32:29 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:32:19 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) 2,4-Dichlorophenol	8.07	162	347533	6.45	ug/mL	99
26) 1,2,4-Trichlorobenzene	8.16	180	363335	6.59	ug/mL	95
27) Naphthalene	8.27	128	1178364	6.77	ug/mL	99
28) 4-Chloroaniline	8.48	127	96422m	2.95	ug/mL	
29) Hexachlorobutadiene	8.49	225	178770	6.72	ug/mL	99
30) 4-Chloro-3-methylphenol	9.22	107	342553	6.38	ug/mL	98
31) 2-Methylnaphthalene	9.36	142	907010	6.92	ug/mL	100
34) Hexachlorocyclopentadiene	9.62	237	54745	5.21	ug/mL	97
35) 2,4,6-Trichlorophenol	9.84	196	236241	6.43	ug/mL	99
36) 2,4,5-Trichlorophenol	9.91	196	270818	6.88	ug/mL	98
37) 2-Chloronaphthalene	10.12	162	712362	6.79	ug/mL	97
38) 2-Nitroaniline	10.34	65	186295	5.93	ug/mL	99
39) 3-Nitroaniline	11.04	138	17395	1.87	ug/mL#	90
40) 1-Methylnaphthalene	9.51	142	821945	7.03	ug/mL	98
41) Dimethylphthalate	10.66	163	794862	6.51	ug/mL	100
42) Acenaphthylene	10.77	152	1079821	7.31	ug/mL	99
43) 2,6-Dinitrotoluene	10.74	165	178052	6.64	ug/mL	97
44) Acenaphthene	11.05	153	723323	6.93	ug/mL	100
45) 2,4-Dinitrophenol	11.19	184	98819	6.20	ug/mL	93
46) 4-Nitrophenol	11.39	109	64168	5.25	ug/mL#	82
47) Dibenzofuran	11.34	168	1079778	6.87	ug/mL	100
48) 2,4-Dinitrotoluene	11.38	165	228242	6.57	ug/mL	97
49) Fluorene	11.88	166	792877	6.87	ug/mL	99
50) Diethylphthalate	11.80	149	796137	6.77	ug/mL	99
51) 4-Chlorophenyl phenyl ethe	11.92	204	373214	6.76	ug/mL	99
52) 4-Nitroaniline	12.04	138	79516m	5.96	ug/mL	
56) 4,6-Dinitro-2-methylphenol	12.02	198	127603	6.10	ug/mL#	91
57) Diphenylamine	12.12	169	358966	8.25	ug/mL	99
58) 4-bromophenyl phenyl ether	12.69	248	208391	7.17	ug/mL	95
59) Hexachlorobenzene	12.76	284	205958	6.68	ug/mL	97
60) Pentachlorophenol	13.11	266	106864	5.25	ug/mL	97
61) Phenanthrene	13.40	178	1182796	6.86	ug/mL	100
62) Carbazole	13.80	167	341893	6.43	ug/mL	99
63) Anthracene	13.48	178	1149796	6.91	ug/mL	100
64) Azobenzene	12.17	77	796618	6.93	ug/mL	96
65) Di-n-Butylphthalate	14.43	149	1397704	6.95	ug/mL	99
66) Fluoranthene	15.30	202	1104704	6.72	ug/mL	96
67) alpha-BHC	12.70	183	141175	7.15	ug/mL	98
68) beta-BHC	13.07	181	122026	6.95	ug/mL	96
69) gamma-BHC	13.17	183	122508	6.81	ug/mL	99
70) delta-BHC	13.57	183	114617	6.82	ug/mL	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624706.D Vial: 6
Acq On : 24 Jun 2005 2:49 pm Operator: MRC
Sample : SVCAL6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:32:29 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:32:19 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.17	100	150173	7.42 ug/mL	92
72)	Aldrin	14.65	66	143189	7.51 ug/mL	89
73)	Heptachlor Epoxide	15.17	353	60432	6.45 ug/mL	100
74)	Endosulfan I	15.65	195	38563	8.13 ug/mL	89
75)	4,4'-DDE	15.90	246	232367	6.92 ug/mL	99
76)	Dieldrin	15.99	79	193487	8.06 ug/mL	93
77)	Endrin	15.99	263	35374	7.19 ug/mL	79
78)	Endosulfan II	0.00	35	0	N.D.	
79)	4,4'-DDD	16.44	235	422201	6.67 ug/mL	99
80)	Endosulfan Sulfate	16.88	272	57673	7.28 ug/mL	92
81)	4,4'-DDT	16.91	235	311209	7.43 ug/mL	99
82)	Endrin Aldehyde	0.00	35	0	N.D.	
83)	Endrin Ketone	17.48	317	44337	6.65 ug/mL	98
84)	Methoxychlor	17.57	227	603785	7.72 ug/mL	92
86)	Pyrene	15.65	202	1077914	6.91 ug/mL	98
87)	Butylbenzylphthalate	16.81	149	586668	6.26 ug/mL	96
88)	Benzo[a]anthracene	17.58	228	853085	6.51 ug/mL	98
89)	3,3'-Dichlorobenzidine	17.61	252	97331	4.76 ug/mL	97
90)	Chrysene	17.63	228	787713	6.44 ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	17.77	149	834891	6.43 ug/mL	99
94)	Di-n-octylphthalate	18.76	149	1350388	5.69 ug/mL	100
95)	Benzo[b]fluoranthene	19.18	252	663938	5.79 ug/mL	98
96)	Benzo[k]fluoranthene	19.22	252	677971	6.12 ug/mL	99
97)	Benzo[a]pyrene	19.63	252	550780	6.16 ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	21.51	276	314321m	5.55 ug/mL	
99)	Dibenzo[a,h]anthracene	21.57	278	321680	5.69 ug/mL	100
100)	Benzo[g,h,i]perylene	22.04	276	378448	6.16 ug/mL	99

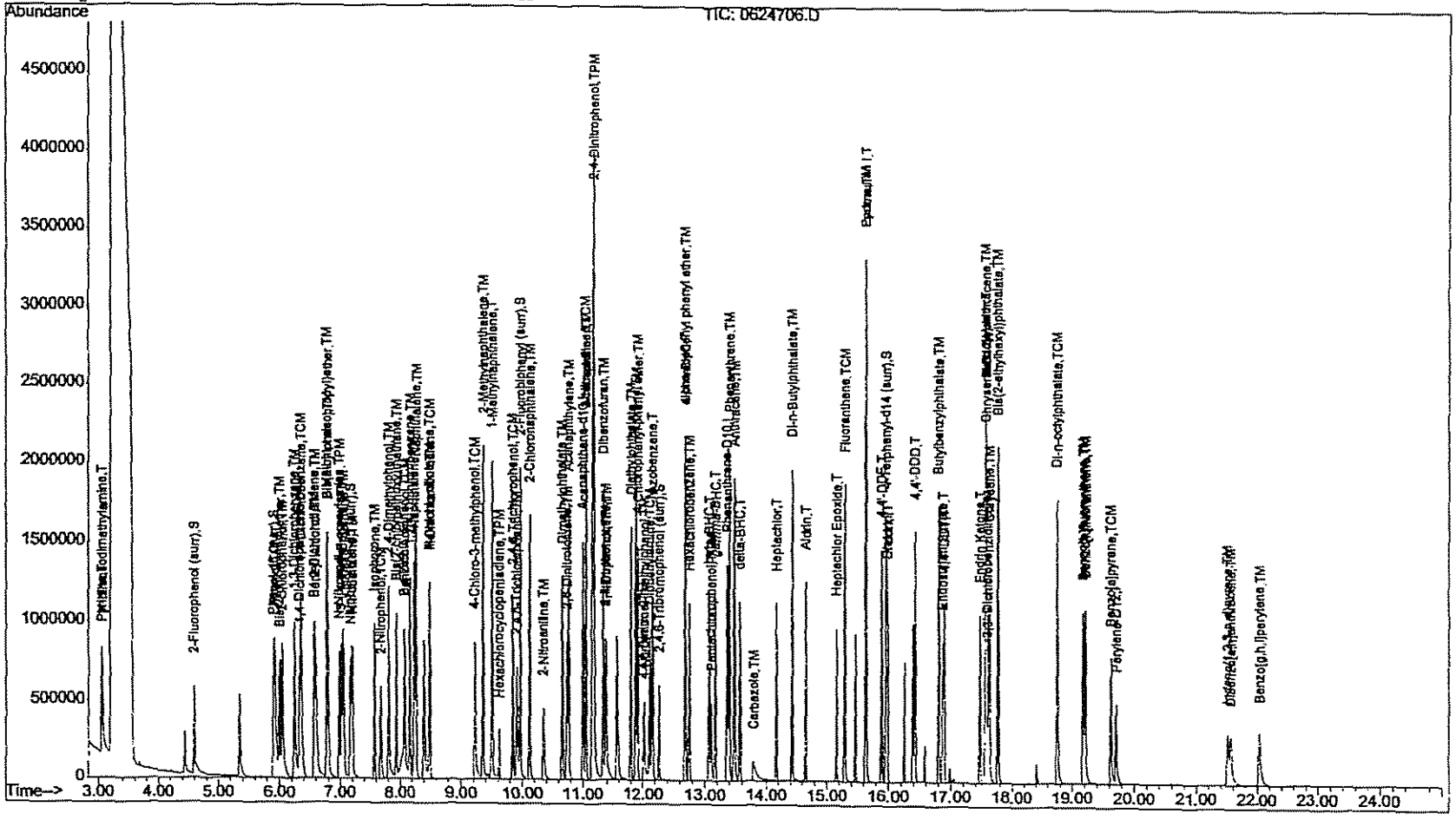
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624706.D
Acq On : 24 Jun 2005 2:49 pm
Sample : SVCAL6
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 24 15:33 2005

Vial: 6
Operator: MRC
Inst : MSD7
Multiplr: 1.00
Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

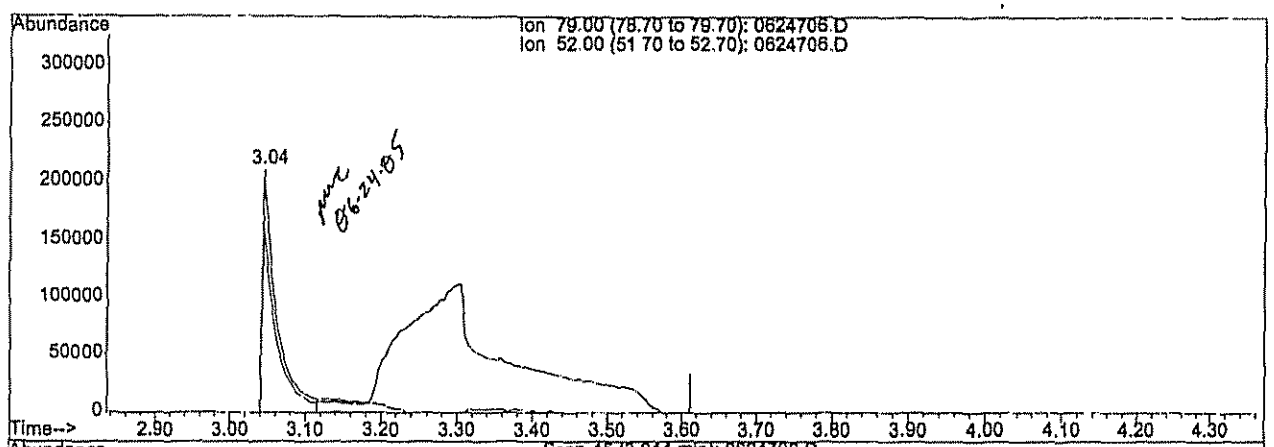


0624706.D 8270.M Fri Jun 24 17:13:12 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624706.D Vial: 6
Acq On : 24 Jun 2005 2:49 pm Operator: MRC
Sample : SVCAL6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:32 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:32:19 2005
Response via : Multiple Level Calibration



(2) Pyridine (T)

3.04min 6.13ug/mL m

response 269200

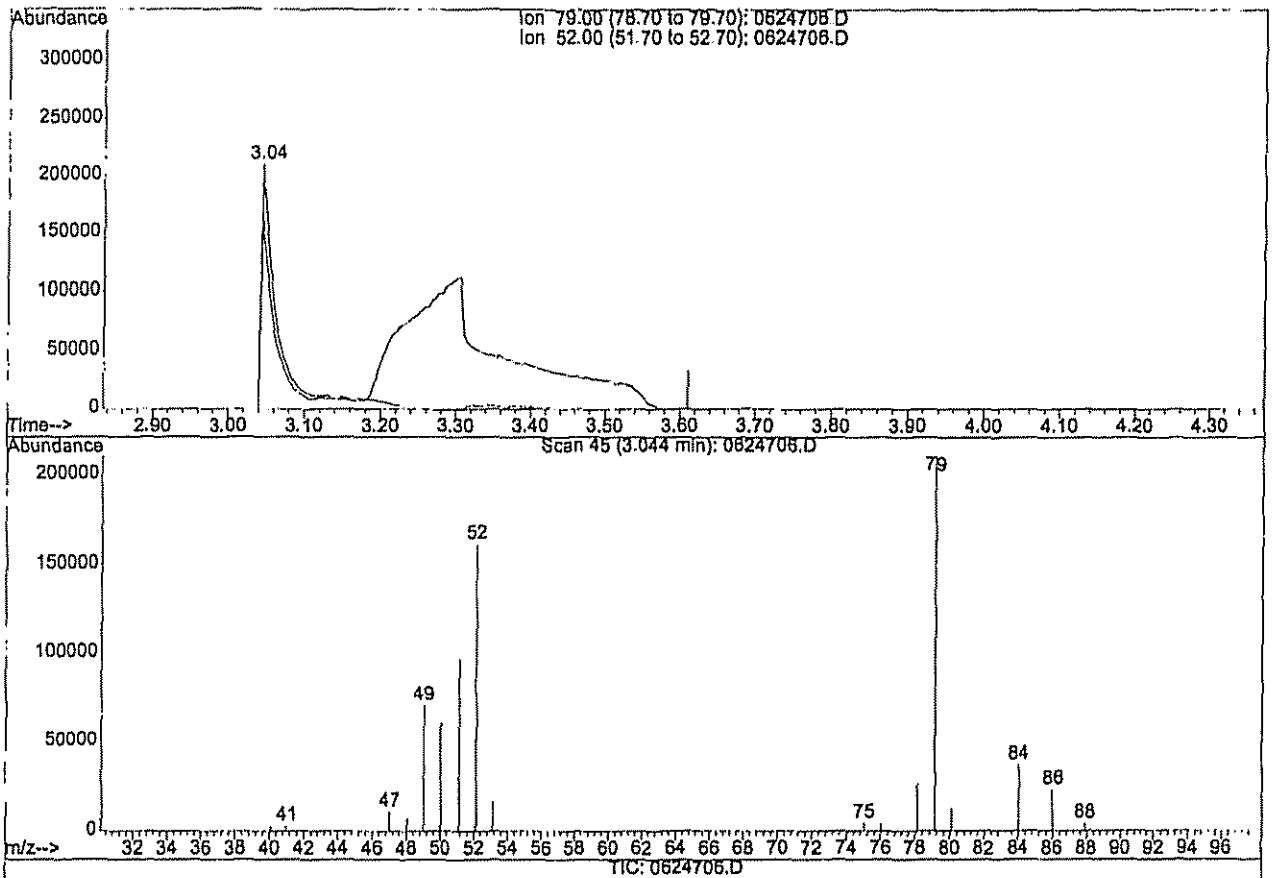
Ion	Exp%	Act%
79.00	100	100
52.00	73.40	76.51
0.00	0.00	0.00
0.00	0.00	0.00

0624706.D 8270.M Fri Jun 24 15:32:42 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624706.D Vial: 6
Acq On : 24 Jun 2005 2:49 pm Operator: MRC
Sample : SVCAL6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:32 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:32:19 2005
Response via : Multiple Level Calibration



(2) Pyridine (T)

3.04min 7.41ug/mL

response 325051

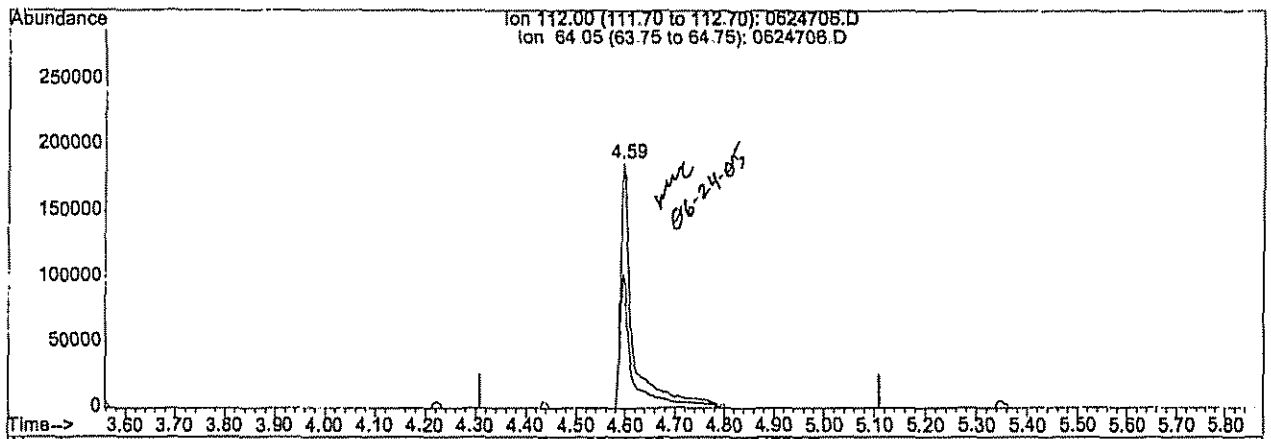
Ion	Exp%	Act%
79.00	100	100
52.00	73.40	63.37
0.00	0.00	0.00
0.00	0.00	0.00

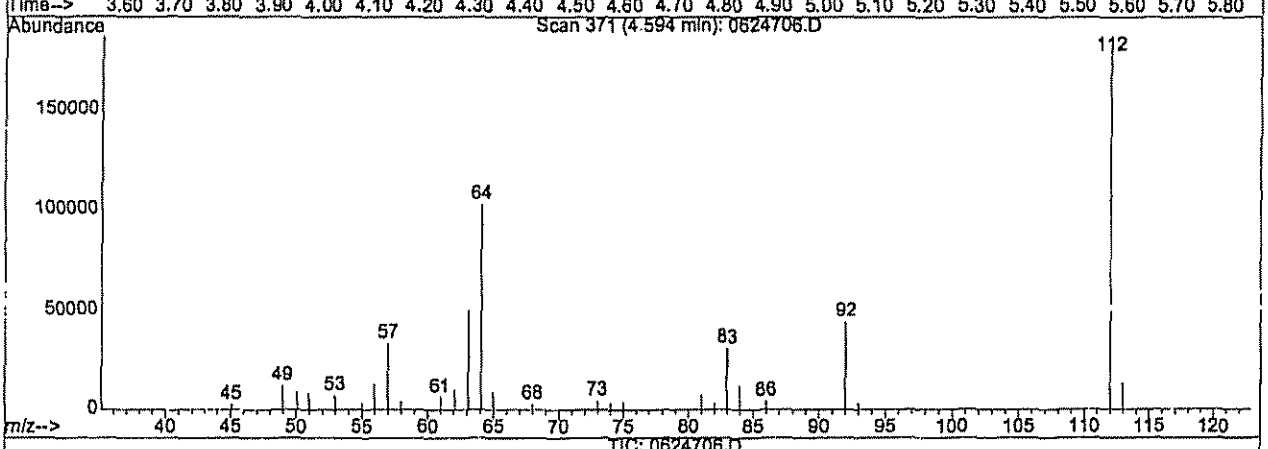
0624706.D 8270.M Fri Jun 24 15:32:38 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624706.D Vial: 6
Acq On : 24 Jun 2005 2:49 pm Operator: MRC
Sample : SVCAL6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:32 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:32:19 2005
Response via : Multiple Level Calibration





(16) 2-Fluorophenol (surr) (S)

4.59min 6.15ug/mL m

response 337742

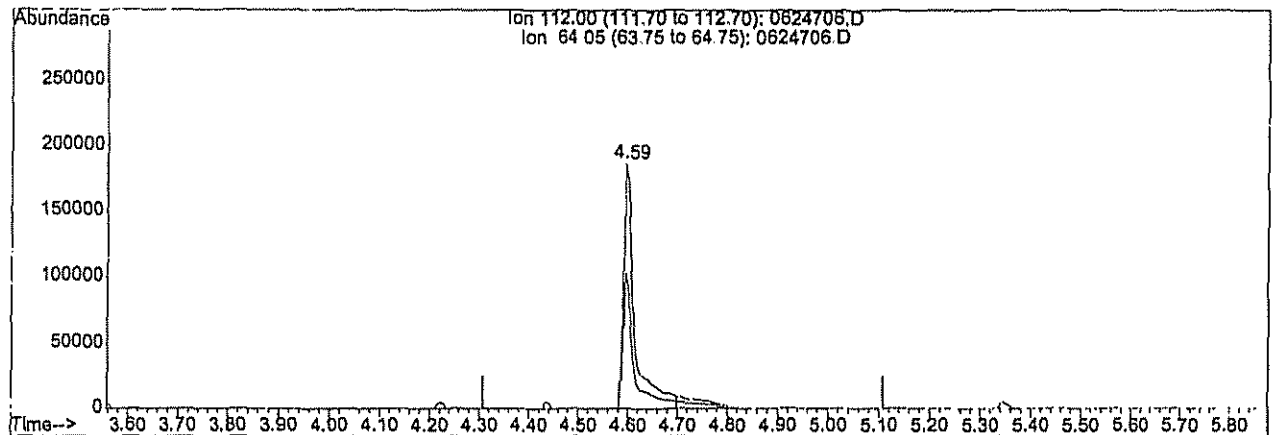
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	54.70
0.00	0.00	0.00
0.00	0.00	0.00

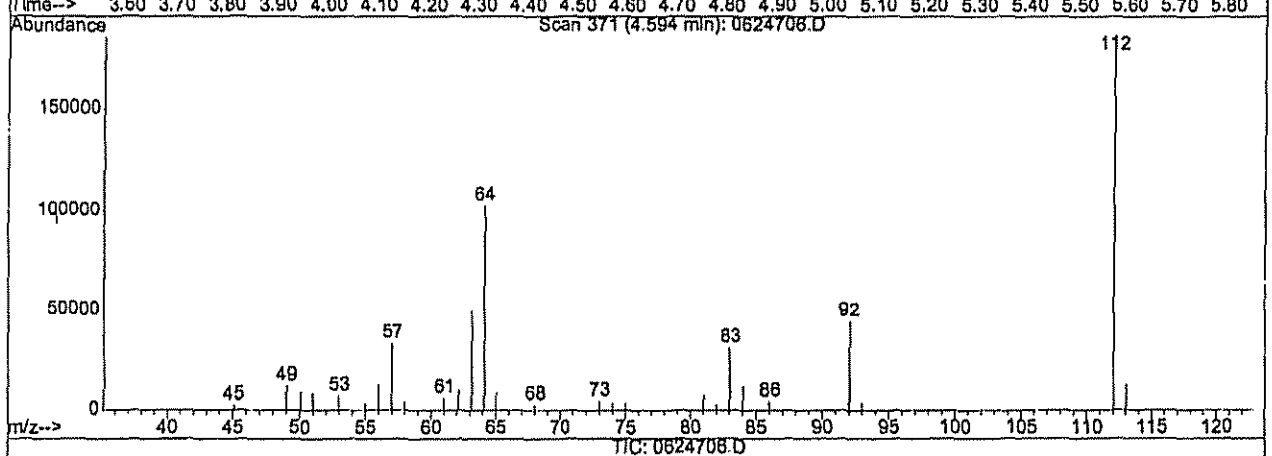
0624706.D 8270.M Fri Jun 24 15:32:58 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624706.D Vial: 6
Acq On : 24 Jun 2005 2:49 pm Operator: MRC
Sample : SVCAL6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:32 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:32:19 2005
Response via : Multiple Level Calibration





(16) 2-Fluorophenol (surr) (S)

4.59min 5.51ug/mL

response 302920

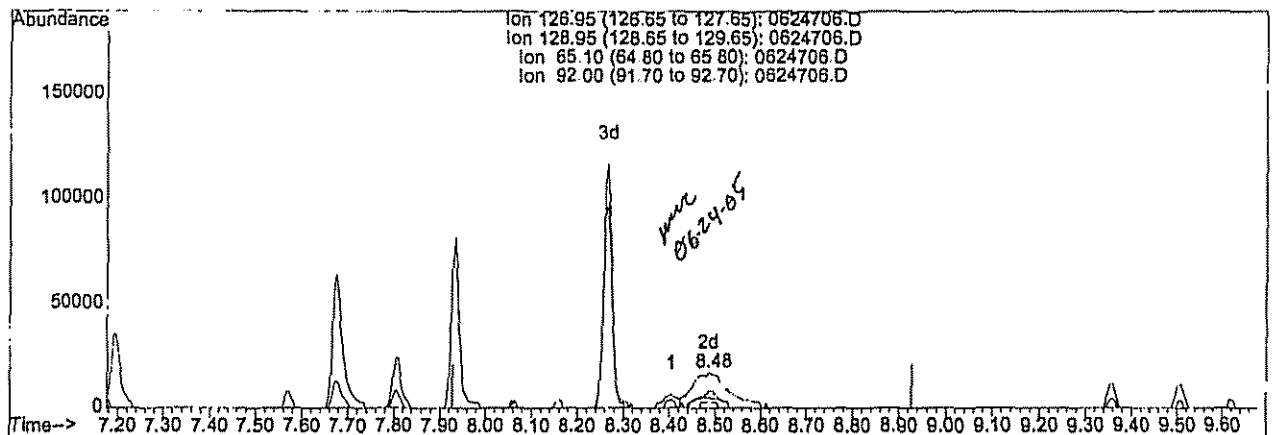
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	60.98#
0.00	0.00	0.00
0.00	0.00	0.00

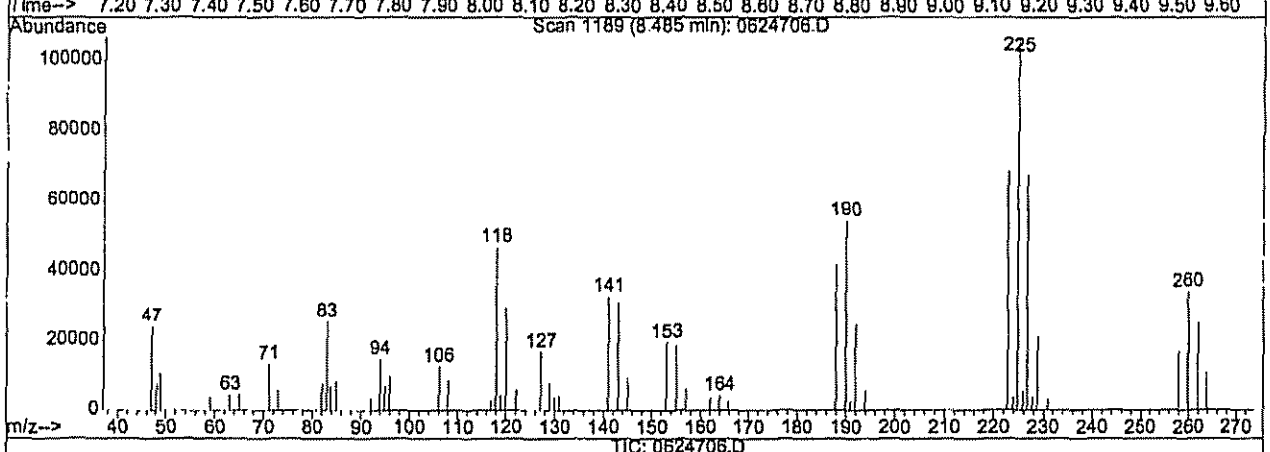
0624706.D 8270.M Fri Jun 24 15:32:54 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624706.D Vial: 6
Acq On : 24 Jun 2005 2:49 pm Operator: MRC
Sample : SVCAL6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:33 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:32:19 2005
Response via : Multiple Level Calibration





TIC: 0624706.D

(28) 4-Chloroaniline (TM)

8.48min 2.95ug/mL m

response 96422

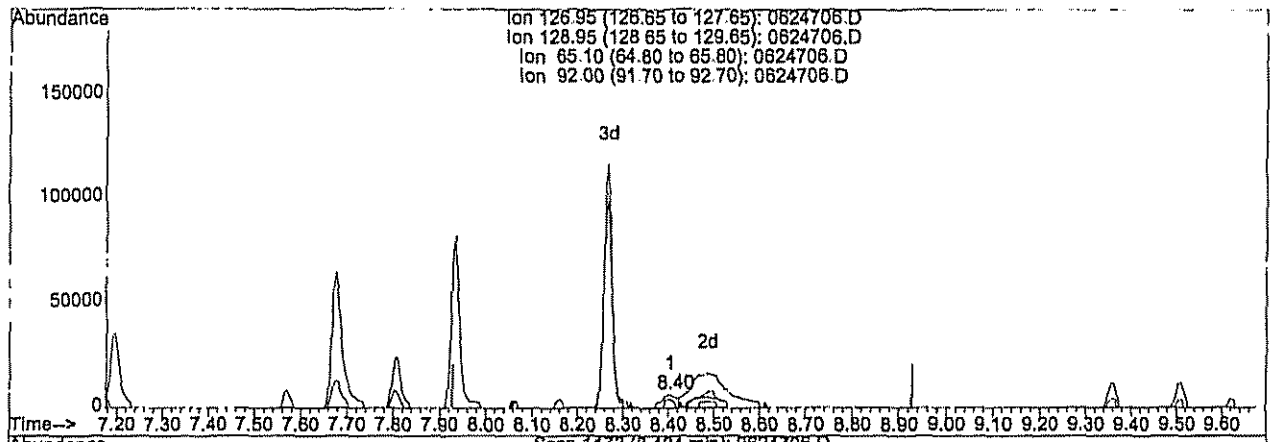
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	45.61#
65.10	28.40	28.71
92.00	16.90	18.18

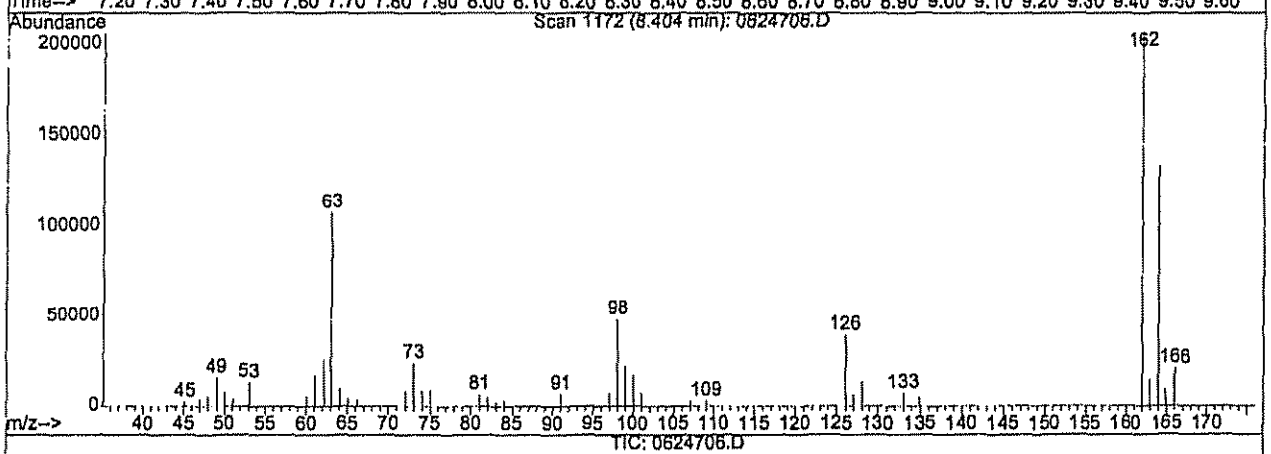
0624706.D 8270.M Fri Jun 24 15:33:11 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624706.D Vial: 6
Acq On : 24 Jun 2005 2:49 pm Operator: MRC
Sample : SVCAL6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:32 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:32:19 2005
Response via : Multiple Level Calibration





TIC: 0624706.D

(28) 4-Chloroaniline (TM)

8.40min 0.43ug/mL

response 13967

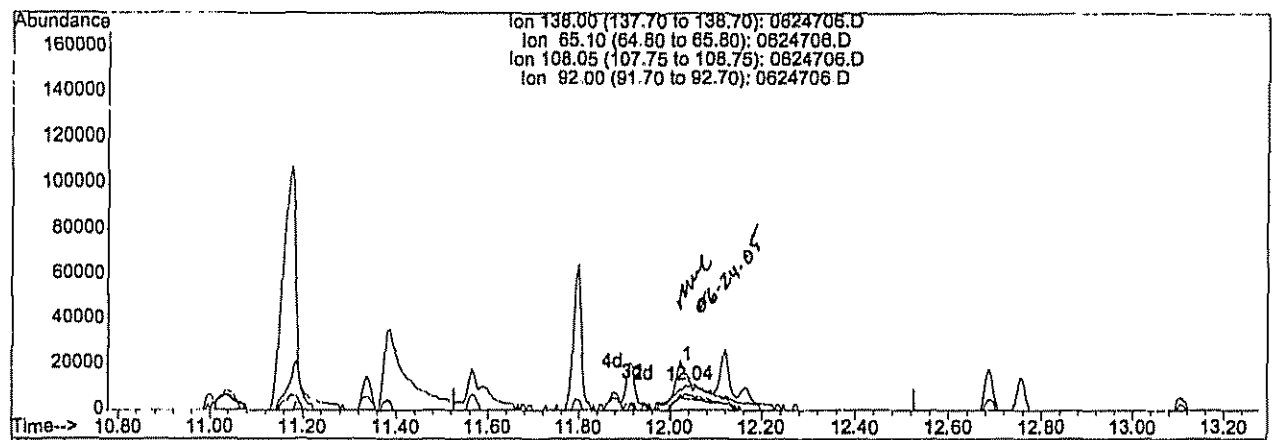
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	0.00#
65.10	28.40	61.62#
92.00	16.90	0.00#

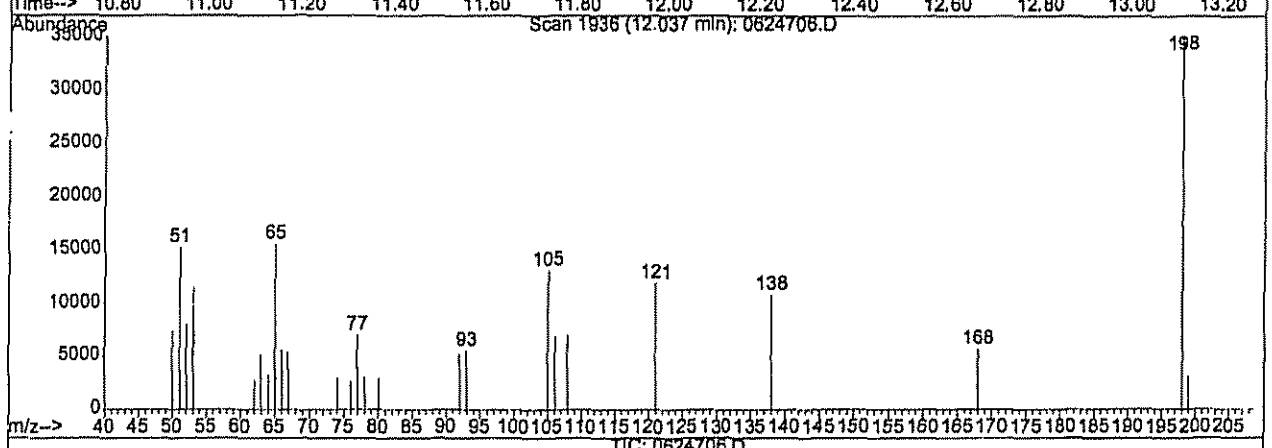
0624706.D 8270.M Fri Jun 24 15:33:06 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624706.D Vial: 6
Acq On : 24 Jun 2005 2:49 pm Operator: MRC
Sample : SVCAL6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:33 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:32:19 2005
Response via : Multiple Level Calibration





TIC: 0624706.D

(52) 4-Nitroaniline (TM)

12.04min 5.96ug/mL m

response 79516

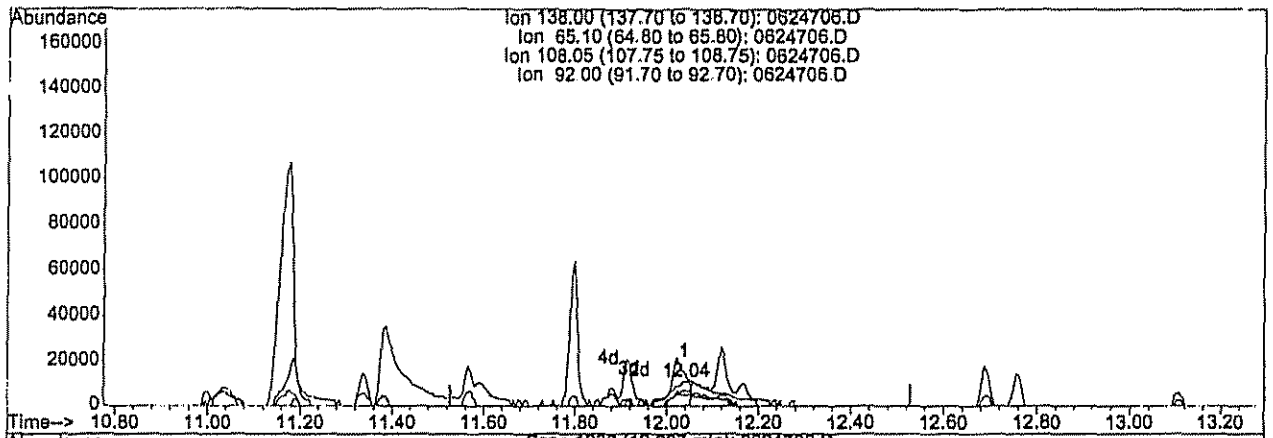
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	143.41#
108.05	58.50	63.78
92.00	43.90	46.87

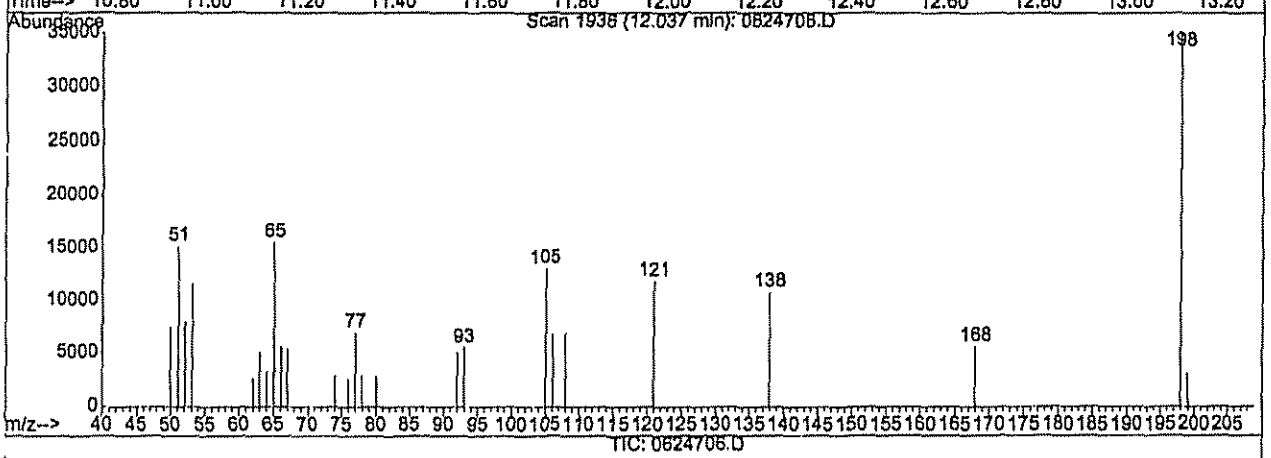
0624706.D 8270.M Fri Jun 24 15:33:30 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624706.D Vial: 6
Acq On : 24 Jun 2005 2:49 pm Operator: MRC
Sample : SVCAL6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:33 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:32:19 2005
Response via : Multiple Level Calibration





TIC: 0624706.D

(52) 4-Nitroaniline (TM)

12.04min 2.47ug/mL

response 32911

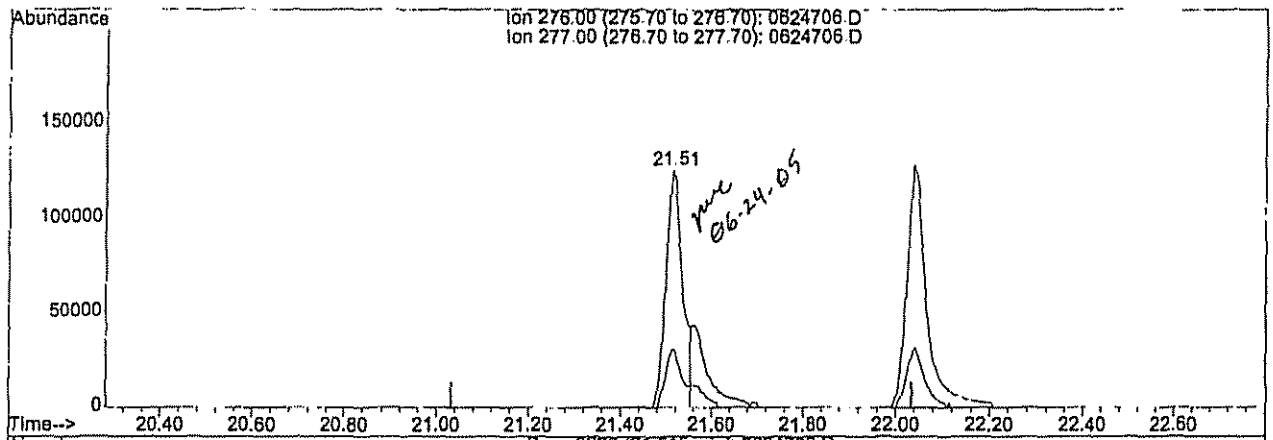
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	143.41#
108.05	58.50	63.78
92.00	43.90	46.87

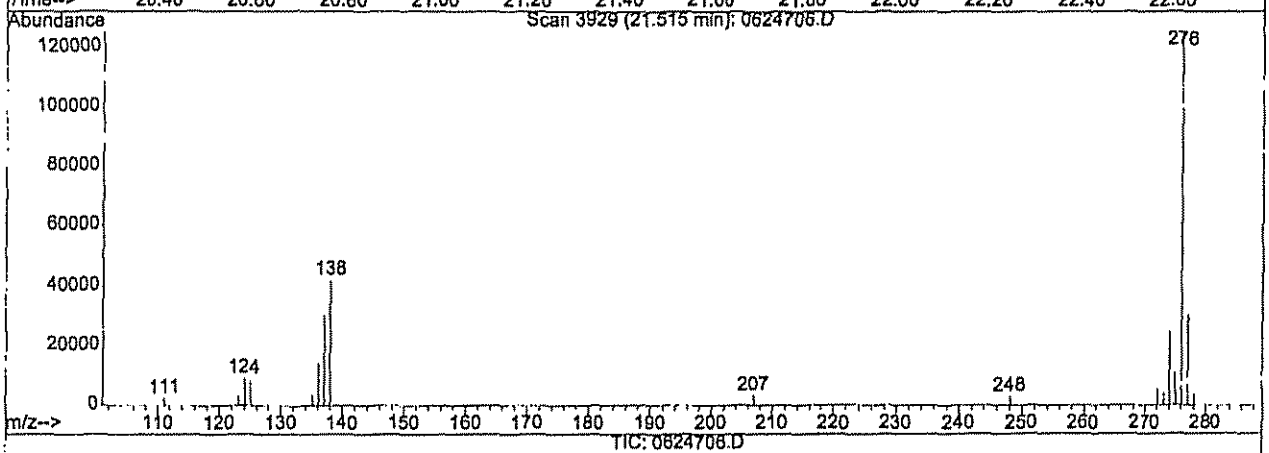
0624706.D 8270.M Fri Jun 24 15:33:25 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624706.D Vial: 6
Acq On : 24 Jun 2005 2:49 pm Operator: MRC
Sample : SVCAL6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:33 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:32:19 2005
Response via : Multiple Level Calibration





(98) Indeno(1,2,3-c,d)pyrene (TM)

21.51min 5.55ug/mL m

response 314321

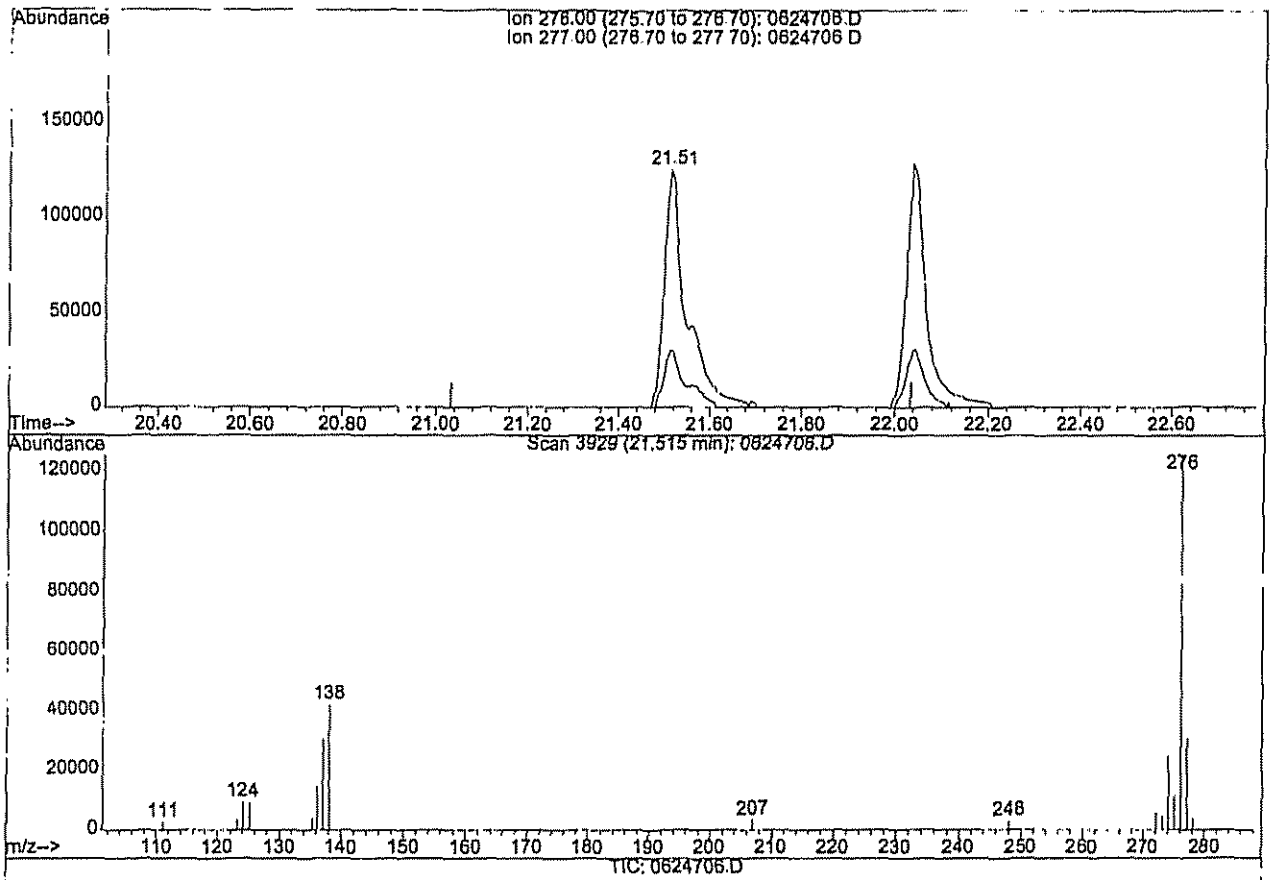
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	24.25
0.00	0.00	0.00
0.00	0.00	0.00

0624706.D 8270.M Fri Jun 24 15:34:01 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624706.D Vial: 6
Acq On : 24 Jun 2005 2:49 pm Operator: MRC
Sample : SVCAL6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:33 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:32:19 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.51min 7.54ug/mL

response 426614

Ion	Exp%	Act%
276.00	100	100
277.00	23.30	24.25
0.00	0.00	0.00
0.00	0.00	0.00

0624706.D 8270.M Fri Jun 24 15:33:54 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624707.D Vial: 7
Acq On : 24 Jun 2005 3:23 pm Operator: MRC
Sample : SVCAL4 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:48:49 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:34:14 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MC 06-24-05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.33	152	220759	4.00 ug/mL	0.00
18) Naphthalene-D8	8.23	136	900591	4.00 ug/mL	0.00
33) Acenaphthene-d10	11.00	164	446124	4.00 ug/mL	0.00
55) Phenanthrene-D10	13.36	188	714839	4.00 ug/mL	-0.01
85) Chrysene-D12	17.59	240	449838	4.00 ug/mL	-0.02
93) Perylene-D12	19.71	264	325115	4.00 ug/mL	0.00
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	4.59	112	199292	3.70 ug/mL	-0.01
Spiked Amount 10.000			Recovery	= 37.00%	
17) Phenol-d6 (surr)	5.90	99	306864	4.06 ug/mL	-0.03
Spiked Amount 10.000			Recovery	= 40.60%	
32) Nitrobenzene-d5 (surr)	7.16	128	117000	3.89 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 38.90%	
53) 2-Fluorobiphenyl (surr)	9.97	172	520717	4.36 ug/mL	-0.01
Spiked Amount 10.000			Recovery	= 43.60%	
54) 2,4,6-Tribromophenol (surr	12.27	330	54410	3.71 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 37.10%	
92) 4-Terphenyl-d14 (surr)	15.97	244	448369	4.04 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 40.40%	
Target Compounds					Qvalue
2) Pyridine	3.03	79	167566	3.89 ug/mL	97
3) N-Nitrosodimethylamine	3.04	74	130400	4.55 ug/mL	93
4) Phenol	5.92	94	364256	4.16 ug/mL	97
5) Bis(2-chloroethyl)ether	6.00	93	267833	4.01 ug/mL	97
6) 2-Chlorophenol	6.04	128	279150	4.07 ug/mL	98
7) Benzyl Alcohol	6.58	108	164391	3.71 ug/mL	95
8) 1,3-Dichlorobenzene	6.24	146	291994	4.12 ug/mL	99
9) 1,4-Dichlorobenzene	6.35	146	311334	4.22 ug/mL	98
10) 1,2-Dichlorobenzene	6.57	146	277305	4.21 ug/mL	100
11) 2-Methylphenol	6.78	107	218034	4.40 ug/mL	94
12) 3-, 4-Methylphenol	7.02	107	309408	4.38 ug/mL	96
13) Bis(2-chloroisopropyl)ethe	6.78	45	413705	4.58 ug/mL#	92
14) N-Nitrosodi-n-propylamine	6.98	70	143085	4.09 ug/mL	96
15) Hexachloroethane	7.05	117	103744	4.56 ug/mL	91
19) Nitrobenzene	7.19	77	259824	4.20 ug/mL	98
20) Isophorone	7.57	82	390808	4.06 ug/mL	100
21) 2-Nitrophenol	7.68	139	150296	3.78 ug/mL	98
22) 2,4-Dimethylphenol	7.80	122	231483	4.04 ug/mL	98
23) Benzoic Acid	8.03	122	105435	2.95 ug/mL#	20
24) Bis(2-chloroethoxy)methane	7.93	93	297365	4.15 ug/mL	99

(#) = qualifier out of range (m) = manual integration
0624707.D 8270.M Fri Jun 24 17:13:16 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624707.D Vial: 7
Acq On : 24 Jun 2005 3:23 pm Operator: MRC
Sample : SVCAL4 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:48:49 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:34:14 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) 2,4-Dichlorophenol	8.07	162	213921	3.97	ug/mL	97
26) 1,2,4-Trichlorobenzene	8.16	180	231793	4.18	ug/mL	99
27) Naphthalene	8.26	128	758846	4.31	ug/mL	99
28) 4-Chloroaniline	8.47	127	56479m	1.95	ug/mL	
29) Hexachlorobutadiene	8.49	225	116063	4.32	ug/mL	97
30) 4-Chloro-3-methylphenol	9.22	107	213330	3.98	ug/mL	97
31) 2-Methylnaphthalene	9.35	142	585238	4.39	ug/mL	99
34) Hexachlorocyclopentadiene	9.62	237	28885	2.86	ug/mL	98
35) 2,4,6-Trichlorophenol	9.84	196	146842	4.00	ug/mL	100
36) 2,4,5-Trichlorophenol	9.91	196	166603	4.17	ug/mL	99
37) 2-Chloronaphthalene	10.12	162	456264	4.30	ug/mL	97
38) 2-Nitroaniline	10.34	65	117238	3.79	ug/mL	97
39) 3-Nitroaniline	11.03	138	10238	1.29	ug/mL#	87
40) 1-Methylnaphthalene	9.51	142	532941	4.47	ug/mL	99
41) Dimethylphthalate	10.66	163	503456	4.11	ug/mL	99
42) Acenaphthylene	10.77	152	695451	4.57	ug/mL	100
43) 2,6-Dinitrotoluene	10.73	165	108495	4.02	ug/mL	96
44) Acenaphthene	11.05	153	465515	4.38	ug/mL	99
45) 2,4-Dinitrophenol	11.19	184	59517	3.76	ug/mL#	89
46) 4-Nitrophenol	11.39	109	36016	3.06	ug/mL#	75
47) Dibenzofuran	11.34	168	685275	4.29	ug/mL	100
48) 2,4-Dinitrotoluene	11.38	165	142270	4.07	ug/mL	90
49) Fluorene	11.88	166	502702	4.29	ug/mL	100
50) Diethylphthalate	11.79	149	506593	4.26	ug/mL	99
51) 4-Chlorophenyl phenyl ethe	11.91	204	239741	4.29	ug/mL	97
52) 4-Nitroaniline	12.04	138	45783m	3.48	ug/mL	
56) 4,6-Dinitro-2-methylphenol	12.02	198	72377	3.53	ug/mL#	91
57) Diphenylamine	12.12	169	248051	5.42	ug/mL	98
58) 4-bromophenyl phenyl ether	12.69	248	130371	4.42	ug/mL	95
59) Hexachlorobenzene	12.76	284	127918	4.15	ug/mL#	92
60) Pentachlorophenol	13.11	266	55650	2.87	ug/mL	99
61) Phenanthrene	13.40	178	755295	4.35	ug/mL	100
62) Carbazole	13.79	167	271708	5.16	ug/mL#	95
63) Anthracene	13.48	178	720190	4.30	ug/mL	99
64) Azobenzene	12.16	77	521672	4.50	ug/mL	95
65) Di-n-Butylphthalate	14.42	149	883442	4.36	ug/mL	99
66) Fluoranthene	15.29	202	692509	4.21	ug/mL	95
67) alpha-BHC	12.69	183	91874	4.58	ug/mL	99
68) beta-BHC	13.07	181	76990	4.35	ug/mL	97
69) gamma-BHC	13.17	183	78731	4.36	ug/mL	99
70) delta-BHC	13.57	183	71111	4.21	ug/mL	98

(#) = qualifier out of range (m) = manual integration
0624707.D 8270.M Fri Jun 24 17:13:16 2005 ENV Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624707.D Vial: 7
Acq On : 24 Jun 2005 3:23 pm Operator: MRC
Sample : SVCAL4 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 15:48:49 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:34:14 2005
Response via : Initial Calibration
DataAcq Meth : 8270

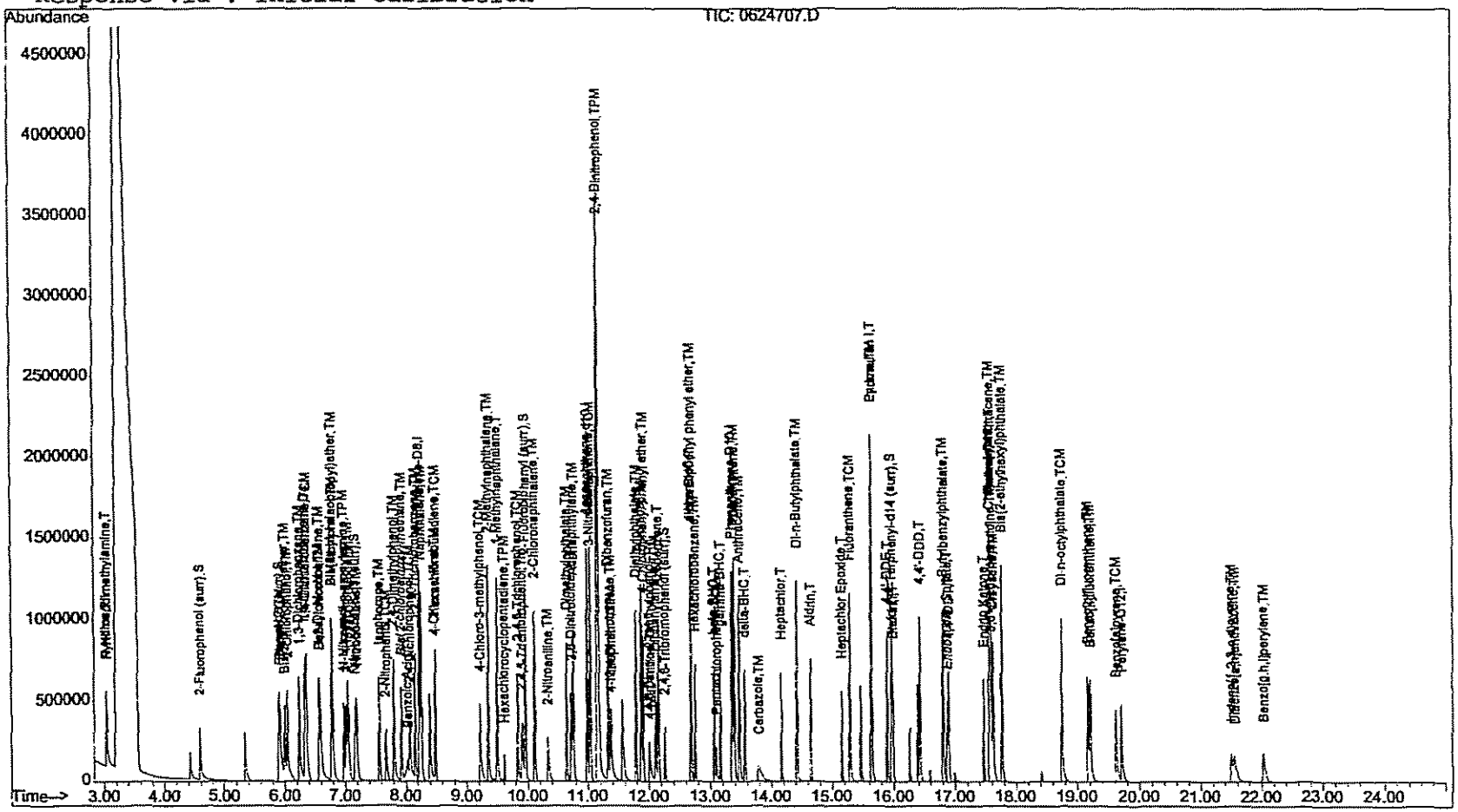
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.17	100	95660	4.62 ug/mL	89
72)	Aldrin	14.65	66	93647	4.79 ug/mL	88
73)	Heptachlor Epoxide	15.17	353	38101	4.10 ug/mL	98
74)	Endosulfan I	15.65	195	25186	5.07 ug/mL#	84
75)	4,4'-DDE	15.90	246	146817	4.34 ug/mL	100
76)	Dieldrin	15.99	79	123412	4.92 ug/mL	91
77)	Endrin	15.99	263	21264	4.25 ug/mL#	66
78)	Endosulfan II	0.00	35	0	N.D.	
79)	4,4'-DDD	16.43	235	266266	4.21 ug/mL#	99
80)	Endosulfan Sulfate	16.88	272	36817	4.56 ug/mL#	88
81)	4,4'-DDT	16.90	235	192439	4.49 ug/mL	98
82)	Endrin Aldehyde	0.00	35	0	N.D.	
83)	Endrin Ketone	17.48	317	27610	4.15 ug/mL	97
84)	Methoxychlor	17.57	227	379291	4.69 ug/mL	92
86)	Pyrene	15.65	202	688443	4.37 ug/mL#	93
87)	Butylbenzylphthalate	16.81	149	367813	3.97 ug/mL	96
88)	Benzo[a]anthracene	17.57	228	536629	4.11 ug/mL	98
89)	3,3'-Dichlorobenzidine	17.61	252	51620	2.69 ug/mL	96
90)	Chrysene	17.62	228	498472	4.10 ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	17.77	149	525159	4.07 ug/mL	99
94)	Di-n-octylphthalate	18.75	149	820600	3.58 ug/mL	100
95)	Benzo[b]fluoranthene	19.18	252	394845	3.55 ug/mL	98
96)	Benzo[k]fluoranthene	19.22	252	458584	4.22 ug/mL	99
97)	Benzo[a]pyrene	19.63	252	336911	3.84 ug/mL	100
98)	Indeno(1,2,3-c,d)pyrene	21.51	276	186762m	3.43 ug/mL	
99)	Dibenzo[a,h]anthracene	21.56	278	184879	3.38 ug/mL	99
100)	Benzo[g,h,i]perylene	22.04	276	225657	3.74 ug/mL	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624707.D Vial: 7
Acq On : 24 Jun 2005 3:23 pm Operator: MRC
Sample : SVCAL4 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:25 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

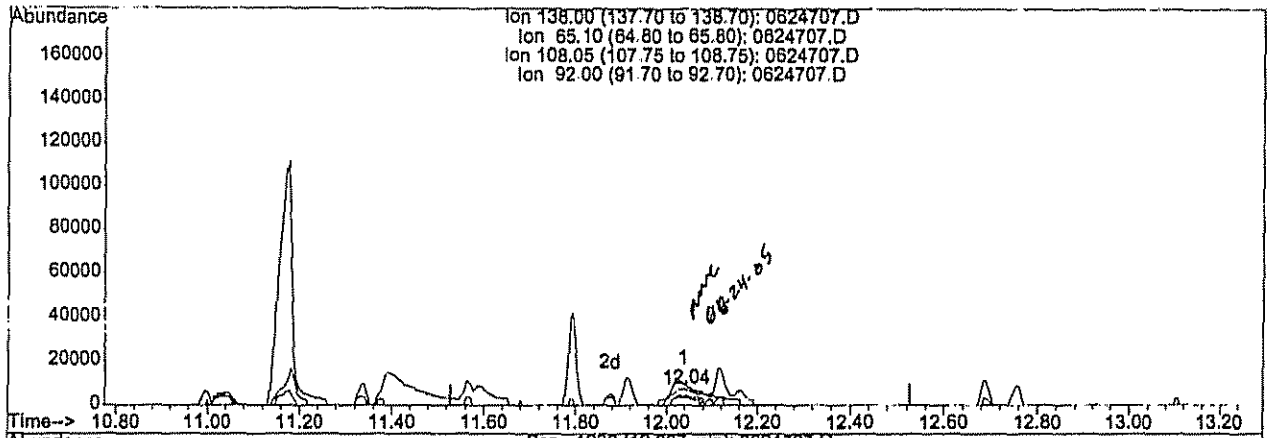


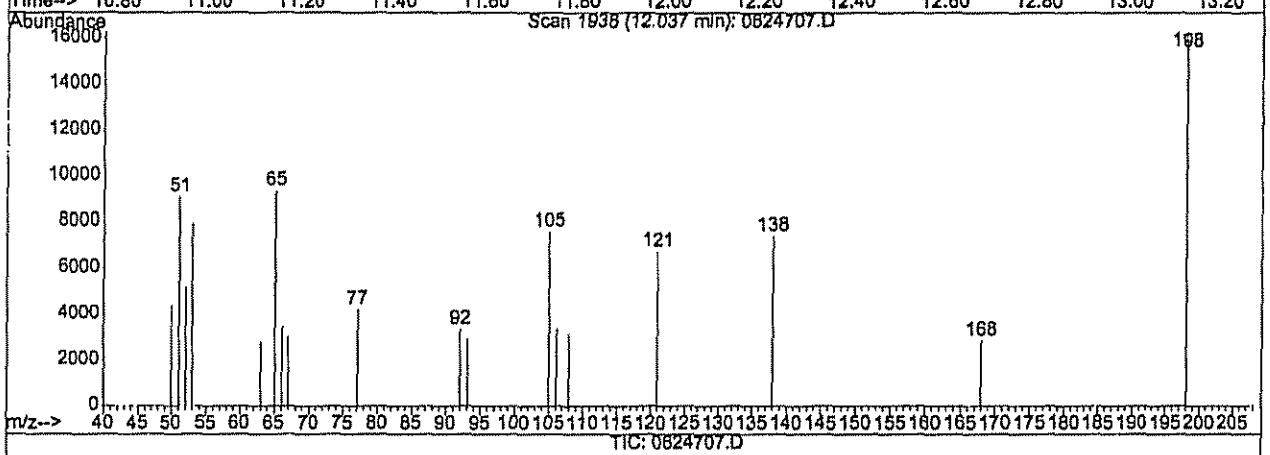
0624707.D 8270.M Fri Jun 24 17:13:19 2005 ENV Page 4

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624707.D Vial: 7
Acq On : 24 Jun 2005 3:23 pm Operator: MRC
Sample : SVCAL4 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:24 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:34:14 2005
Response via : Multiple Level Calibration





(52) 4-Nitroaniline (TM)

12.04min 3.48ug/mL m

response 45783

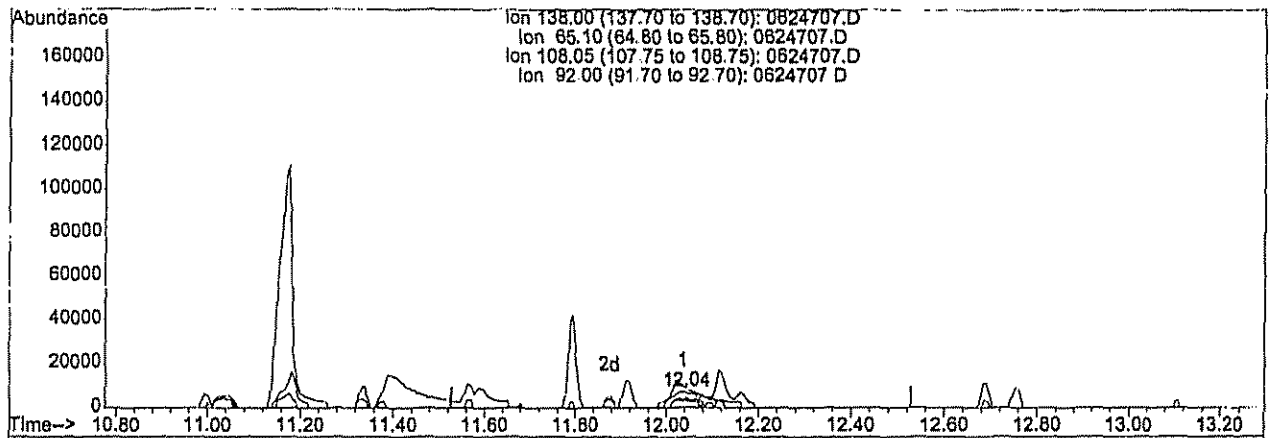
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	126.89
108.05	58.50	42.86#
92.00	43.90	45.43

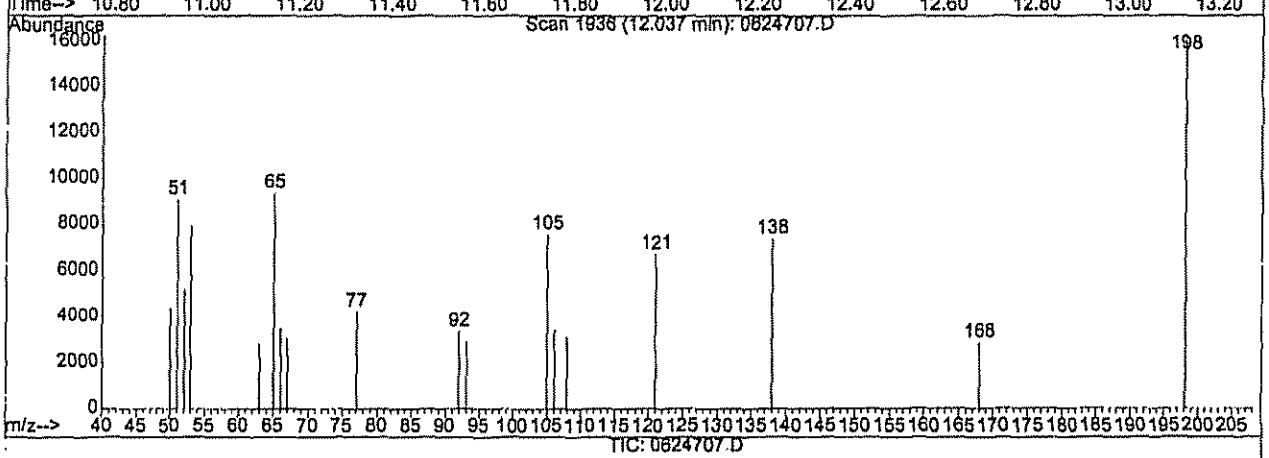
0624707.D 8270.M Fri Jun 24 16:24:34 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624707.D Vial: 7
Acq On : 24 Jun 2005 3:23 pm Operator: MRC
Sample : SVCAL4 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:24 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:34:14 2005
Response via : Multiple Level Calibration





(52) 4-Nitroaniline (TM)

12.04min 2.00ug/mL

response 26292

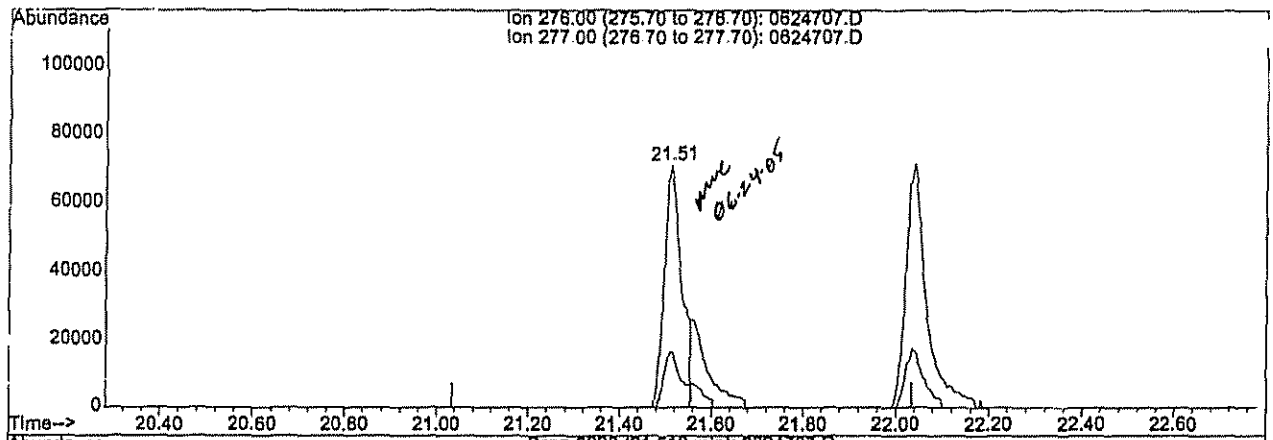
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	93.52
108.05	58.50	42.86#
92.00	43.90	45.43

0624707.D 8270.M Fri Jun 24 16:24:30 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624707.D Vial: 7
Acq On : 24 Jun 2005 3:23 pm Operator: MRC
Sample : SVCAL4 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:25 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:34:14 2005
Response via : Multiple Level Calibration



TIC: 0624707.D

(98) Indeno(1,2,3-c,d)pyrene (TM)

21.51min 3.43ug/mL m

response 186762

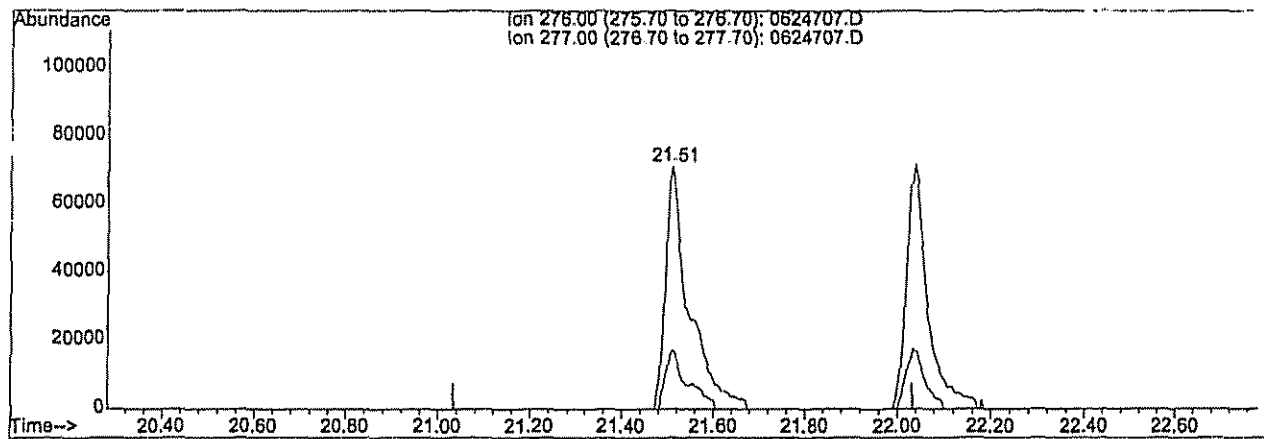
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.57
0.00	0.00	0.00
0.00	0.00	0.00

0624707.D 8270.M Fri Jun 24 16:25:05 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624707.D Vial: 7
Acq On : 24 Jun 2005 3:23 pm Operator: MRC
Sample : SVCAL4 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:24 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:34:14 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.51min 4.67ug/mL

response 254371

Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.57
0.00	0.00	0.00
0.00	0.00	0.00

0624707.D 8270.M Fri Jun 24 16:24:58 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624708.D Vial: 8
Acq On : 24 Jun 2005 3:57 pm Operator: MRC
Sample : SVCAL2 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:22:47 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:34:14 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MWL 06.24.05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.33	152	229176	4.00 ug/mL	0.00
18) Naphthalene-D8	8.23	136	930699	4.00 ug/mL	0.00
33) Acenaphthene-d10	11.00	164	462644	4.00 ug/mL	0.00
55) Phenanthrene-D10	13.36	188	728906	4.00 ug/mL	-0.01
85) Chrysene-D12	17.59	240	423215	4.00 ug/mL	-0.02
93) Perylene-D12	19.72	264	279875	4.00 ug/mL	0.00
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	4.59	112	97919	1.75 ug/mL	-0.01
Spiked Amount 10.000			Recovery	= 17.50%	
17) Phenol-d6 (surr)	5.90	99	154333	1.97 ug/mL	-0.03
Spiked Amount 10.000			Recovery	= 19.70%	
32) Nitrobenzene-d5 (surr)	7.16	128	56468	1.81 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 18.10%	
53) 2-Fluorobiphenyl (surr)	9.96	172	269325	2.17 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 21.70%	
54) 2,4,6-Tribromophenol (surr	12.27	330	25676	1.69 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 16.90%	
92) 4-Terphenyl-d14 (surr)	15.96	244	221335	2.12 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 21.20%	
Target Compounds					Qvalue
2) Pyridine	3.04	79	89233	2.00 ug/mL	93
3) N-Nitrosodimethylamine	3.04	74	65194	2.19 ug/mL	93
4) Phenol	5.92	94	185160	2.04 ug/mL	95
5) Bis(2-chloroethyl)ether	6.00	93	145344	2.10 ug/mL	99
6) 2-Chlorophenol	6.04	128	138297	1.94 ug/mL	96
7) Benzyl Alcohol	6.59	108	74269	1.61 ug/mL	99
8) 1,3-Dichlorobenzene	6.24	146	150414	2.04 ug/mL	99
9) 1,4-Dichlorobenzene	6.35	146	159956	2.09 ug/mL	99
10) 1,2-Dichlorobenzene	6.57	146	141925	2.07 ug/mL	100
11) 2-Methylphenol	6.78	107	109627	2.13 ug/mL	93
12) 3-, 4-Methylphenol	7.02	107	153532	2.10 ug/mL	97
13) Bis(2-chloroisopropyl)ethe	6.78	45	217375	2.32 ug/mL#	92
14) N-Nitrosodi-n-propylamine	6.98	70	71762	1.98 ug/mL	97
15) Hexachloroethane	7.05	117	51911	2.20 ug/mL	94
19) Nitrobenzene	7.19	77	129474	2.02 ug/mL	95
20) Isophorone	7.56	82	201740	2.03 ug/mL	98
21) 2-Nitrophenol	7.68	139	70691	1.72 ug/mL	97
22) 2,4-Dimethylphenol	7.80	122	114139	1.93 ug/mL	97
23) Benzoic Acid	8.00	122	34090	0.92 ug/mL#	22
24) Bis(2-chloroethoxy)methane	7.93	93	150796	2.04 ug/mL	99

(#) = qualifier out of range (m) = manual integration
0624708.D 8270.M Fri Jun 24 17:13:22 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624708.D Vial: 8
Acq On : 24 Jun 2005 3:57 pm Operator: MRC
Sample : SVCAL2 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:22:47 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:34:14 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	8.07	162	99717	1.79 ug/mL	96
26) 1,2,4-Trichlorobenzene	8.16	180	119432	2.08 ug/mL	98
27) Naphthalene	8.26	128	395056	2.17 ug/mL	100
28) 4-Chloroaniline	8.46	127	27323	0.91 ug/mL#	48
29) Hexachlorobutadiene	8.49	225	59758	2.15 ug/mL	98
30) 4-Chloro-3-methylphenol	9.23	107	102278	1.85 ug/mL	97
31) 2-Methylnaphthalene	9.35	142	302947	2.20 ug/mL	100
34) Hexachlorocyclopentadiene	9.62	237	9563	0.91 ug/mL#	92
35) 2,4,6-Trichlorophenol	9.84	196	73284	1.92 ug/mL	98
36) 2,4,5-Trichlorophenol	9.92	196	80089	1.93 ug/mL	98
37) 2-Chloronaphthalene	10.12	162	234530	2.13 ug/mL	97
38) 2-Nitroaniline	10.34	65	56724	1.77 ug/mL	96
39) 3-Nitroaniline	11.04	138	3760	0.46 ug/mL#	8
40) 1-Methylnaphthalene	9.51	142	279935	2.26 ug/mL	100
41) Dimethylphthalate	10.65	163	264791	2.08 ug/mL	99
42) Acenaphthylene	10.76	152	356568	2.26 ug/mL	99
43) 2,6-Dinitrotoluene	10.73	165	55218	1.97 ug/mL	96
44) Acenaphthene	11.05	153	241211	2.19 ug/mL	99
45) 2,4-Dinitrophenol	11.19	184	27989	1.70 ug/mL#	83
46) 4-Nitrophenol	11.43	109	6222m	0.51 ug/mL	
47) Dibenzofuran	11.34	168	357205	2.16 ug/mL	98
48) 2,4-Dinitrotoluene	11.38	165	71427	1.97 ug/mL	97
49) Fluorene	11.88	166	262363	2.16 ug/mL	99
50) Diethylphthalate	11.79	149	264719	2.15 ug/mL	99
51) 4-Chlorophenyl phenyl ethe	11.91	204	123263	2.13 ug/mL	97
52) 4-Nitroaniline	12.03	138	12628m	0.93 ug/mL	
56) 4,6-Dinitro-2-methylphenol	12.03	198	32193	1.54 ug/mL#	89
57) Diphenylamine	12.12	169	139079	2.98 ug/mL	97
58) 4-bromophenyl phenyl ether	12.69	248	66239	2.20 ug/mL	96
59) Hexachlorobenzene	12.75	284	66919	2.13 ug/mL	95
60) Pentachlorophenol	13.11	266	17240	0.87 ug/mL	93
61) Phenanthrene	13.40	178	387954	2.19 ug/mL	99
62) Carbazole	13.80	167	198115	3.69 ug/mL#	93
63) Anthracene	13.48	178	371185	2.17 ug/mL	99
64) Azobenzene	12.16	77	271471	2.30 ug/mL	94
65) Di-n-Butylphthalate	14.42	149	450474	2.18 ug/mL	99
66) Fluoranthene	15.29	202	339131	2.02 ug/mL#	95
67) alpha-BHC	12.69	183	48131	2.35 ug/mL	98
68) beta-BHC	13.07	181	39207	2.17 ug/mL	99
69) gamma-BHC	13.17	183	41973	2.28 ug/mL	99
70) delta-BHC	13.57	183	35865	2.08 ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624708.D Vial: 8
Acq On : 24 Jun 2005 3:57 pm Operator: MRC
Sample : SVCAL2 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:22:47 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 15:34:14 2005
Response via : Initial Calibration
DataAcq Meth : 8270

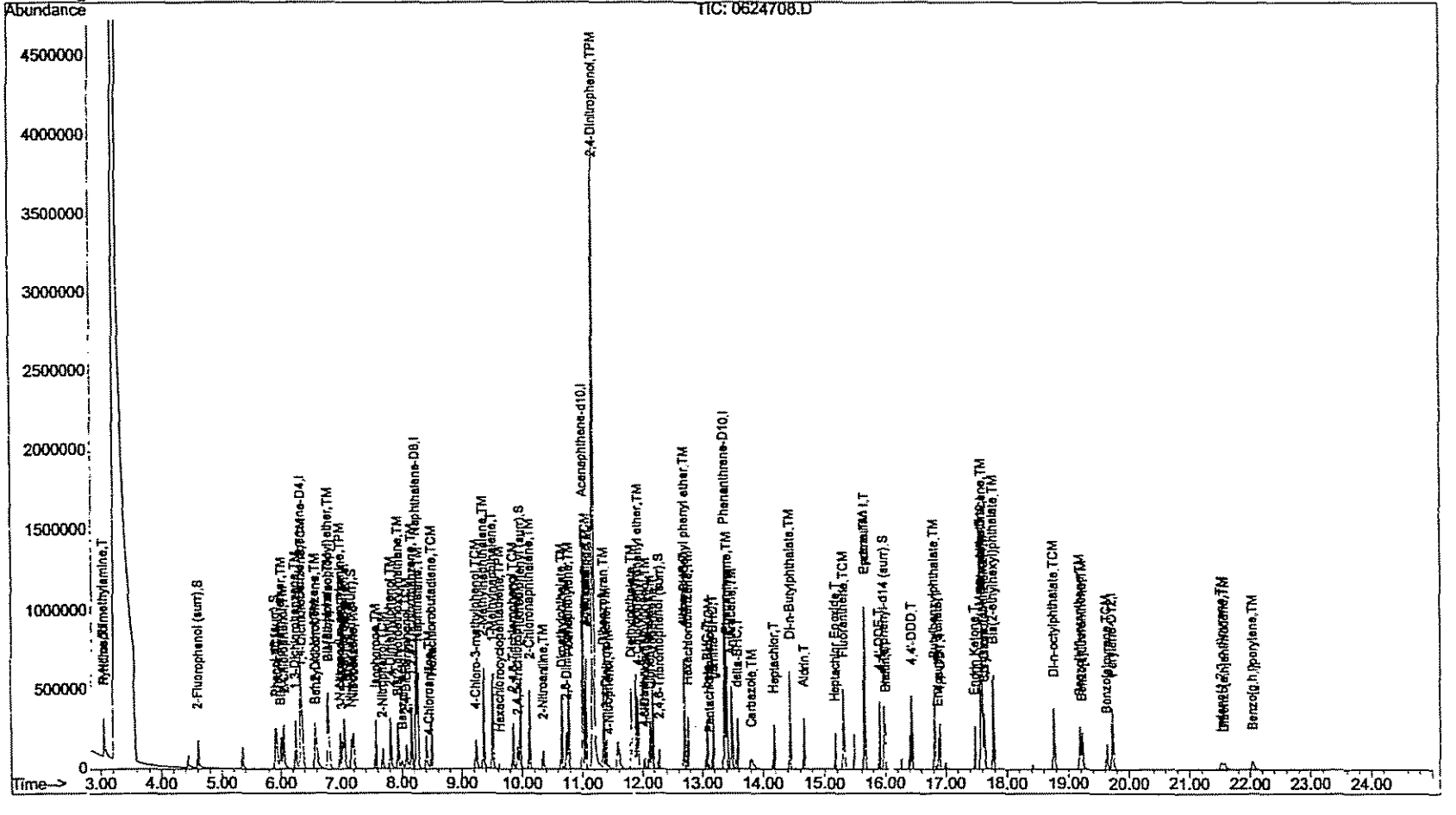
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Heptachlor	14.17	100	48596	2.30	ug/mL	89
72)	Aldrin	14.65	66	50213	2.52	ug/mL	86
73)	Heptachlor Epoxide	15.17	353	18319	1.93	ug/mL	100
74)	Endosulfan I	15.64	195	12675	2.50	ug/mL#	72
75)	4,4'-DDE	15.89	246	74456	2.16	ug/mL	99
76)	Dieldrin	15.99	79	67126	2.62	ug/mL	92
77)	Endrin	15.99	263	11788	2.31	ug/mL	75
78)	Endosulfan II	0.00	35	0	N.D.		
79)	4,4'-DDD	16.43	235	134649	2.09	ug/mL#	97
80)	Endosulfan Sulfate	16.88	272	17451	2.12	ug/mL#	84
81)	4,4'-DDT	16.90	235	93308	2.13	ug/mL	98
82)	Endrin Aldehyde	0.00	35	0	N.D.		
83)	Endrin Ketone	17.48	317	14717	2.17	ug/mL	93
84)	Methoxychlor	17.57	227	182431	2.21	ug/mL	90
86)	Pyrene	15.64	202	344815	2.33	ug/mL#	91
87)	Butylbenzylphthalate	16.81	149	177882	2.04	ug/mL	95
88)	Benzo[a]anthracene	17.57	228	253538	2.07	ug/mL	97
89)	3,3'-Dichlorobenzidine	17.62	252	13005	0.72	ug/mL#	89
90)	Chrysene	17.62	228	237469	2.08	ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	17.77	149	258842	2.13	ug/mL	99
94)	Di-n-octylphthalate	18.75	149	378048	1.91	ug/mL	100
95)	Benzo[b]fluoranthene	19.18	252	167927	1.75	ug/mL	99
96)	Benzo[k]fluoranthene	19.22	252	211308	2.26	ug/mL	99
97)	Benzo[a]pyrene	19.63	252	137178	1.81	ug/mL	98
98)	Indeno(1,2,3-c,d)pyrene	21.51	276	58750m	1.25	ug/mL	
99)	Dibenzo[a,h]anthracene	21.57	278	58239	1.24	ug/mL#	91
100)	Benzo[g,h,i]perylene	22.04	276	78340	1.51	ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624708.D Vial: 8
Acq On : 24 Jun 2005 3:57 pm Operator: MRC
Sample : SVCAL2 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:26 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

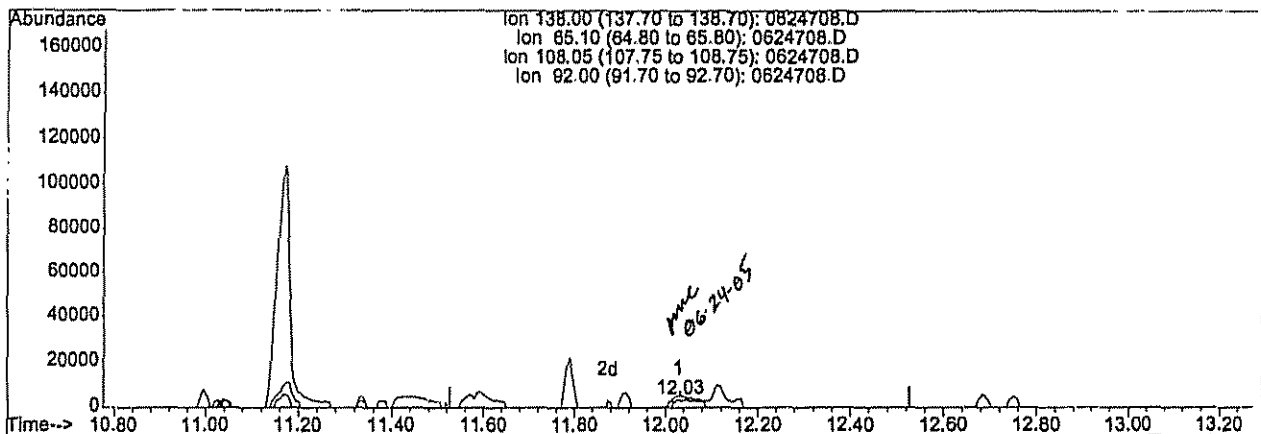


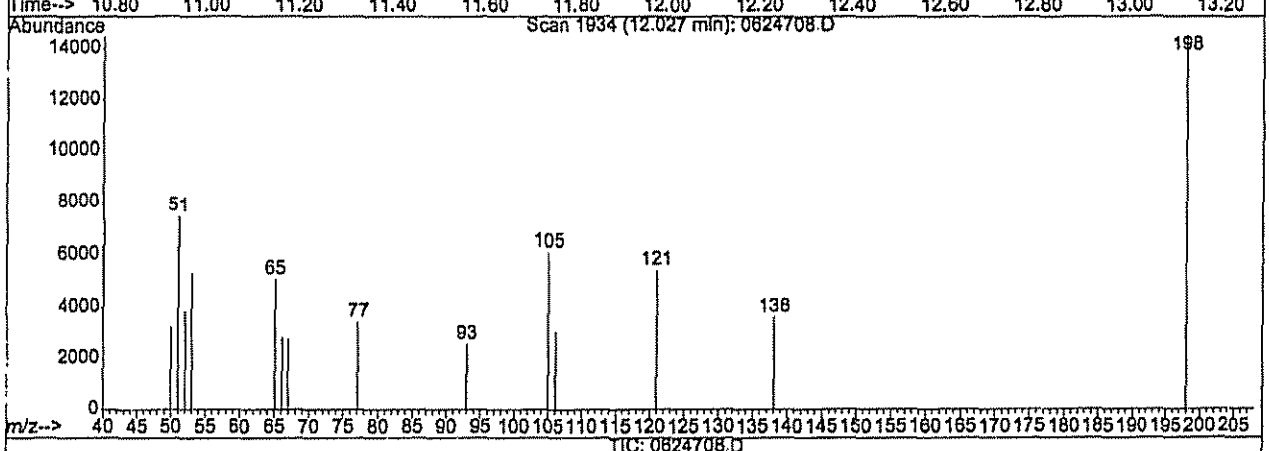
0624708.D 8270.M Fri Jun 24 17:13:25 2005 ENV Page 4

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624708.D Vial: 8
Acq On : 24 Jun 2005 3:57 pm Operator: MRC
Sample : SVCAL2 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:25 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 16:25:13 2005
Response via : Multiple Level Calibration





TIC: 0624708.D

(52) 4-Nitroaniline (TM)

12.03min 0.93ug/mL m

response 12628

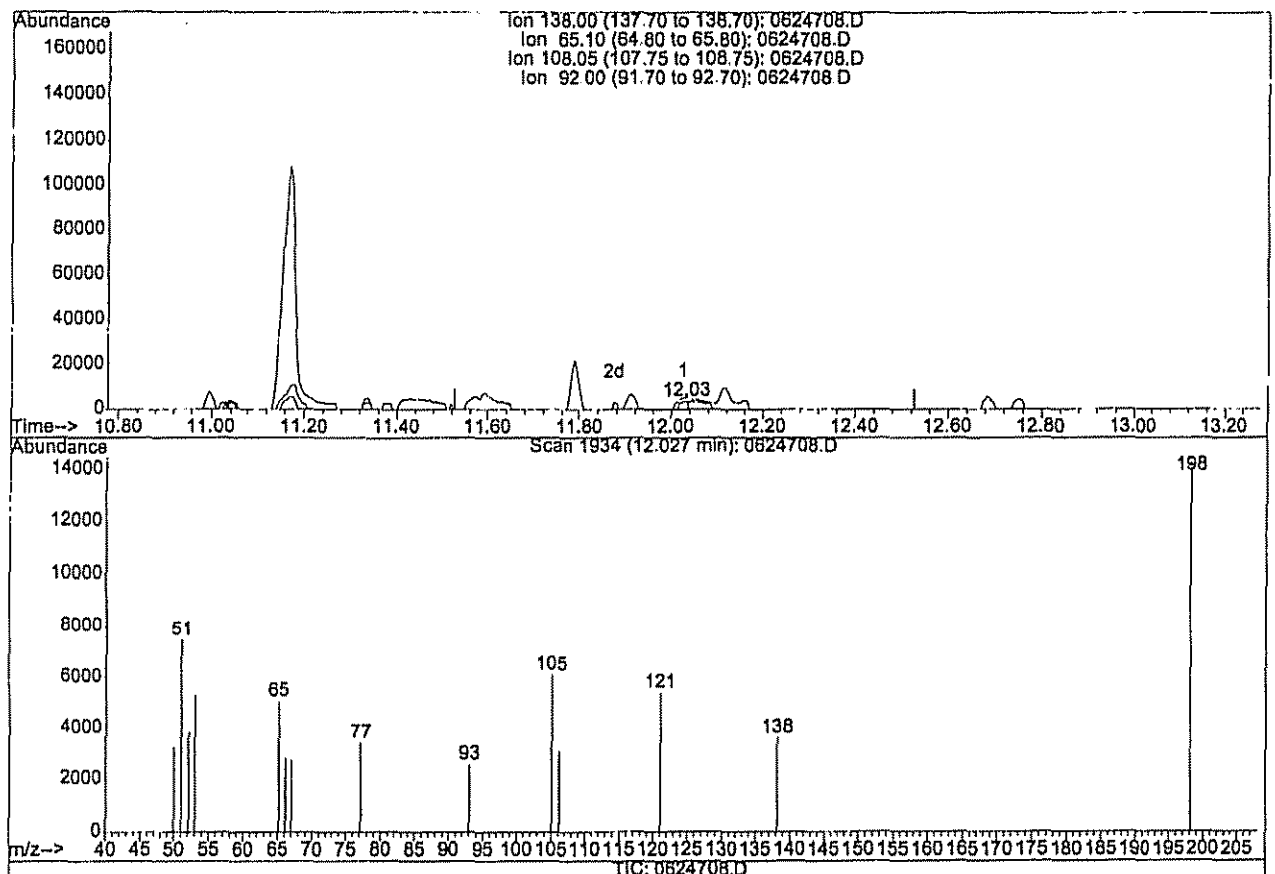
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	139.79#
108.05	58.50	0.00#
92.00	43.90	0.00#

0624708.D 8270.M Fri Jun 24 16:25:59 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624708.D Vial: 8
Acq On : 24 Jun 2005 3:57 pm Operator: MRC
Sample : SVCAL2 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:25 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 16:25:13 2005
Response via : Multiple Level Calibration



(52) 4-Nitroaniline (TM)

12.03min 0.32ug/mL

response 4309

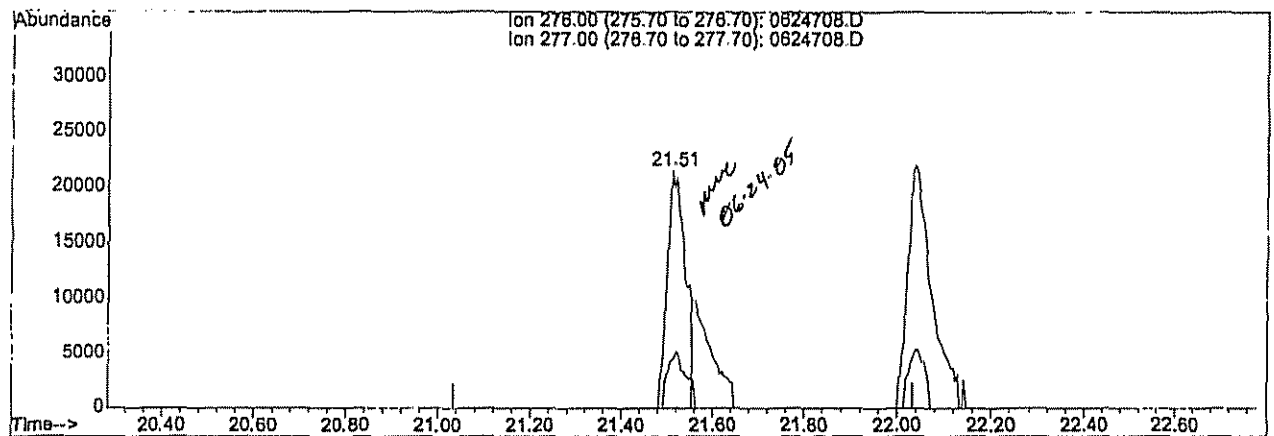
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	71.77#
108.05	58.50	0.00#
92.00	43.90	0.00#

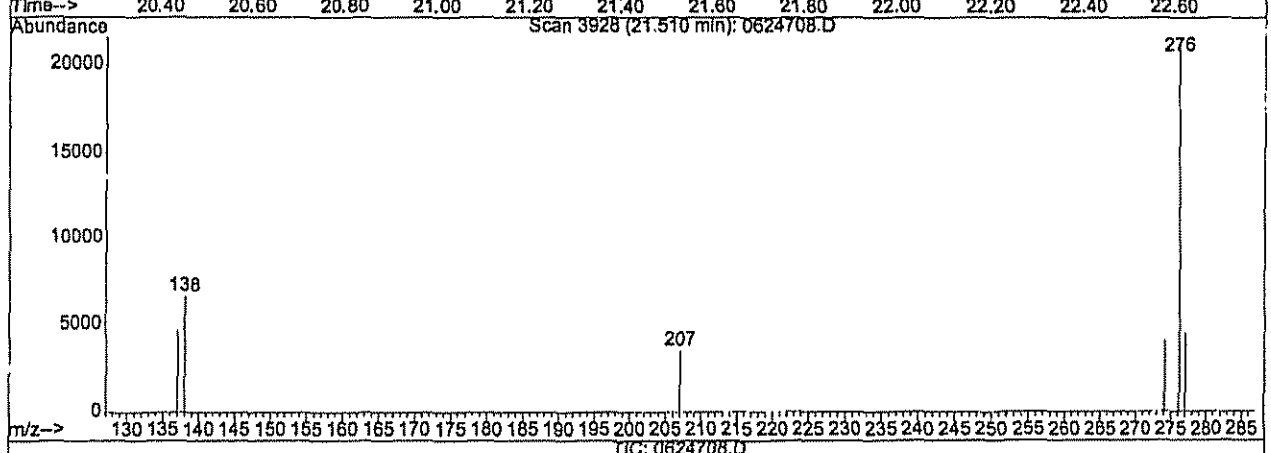
0624708.D 8270.M Fri Jun 24 16:25:55 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624708.D Vial: 8
Acq On : 24 Jun 2005 3:57 pm Operator: MRC
Sample : SVCAL2 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:26 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 16:25:13 2005
Response via : Multiple Level Calibration





(98) Indeno(1,2,3-c,d)pyrene (TM)

21.51min 1.25ug/mL m

response 58750

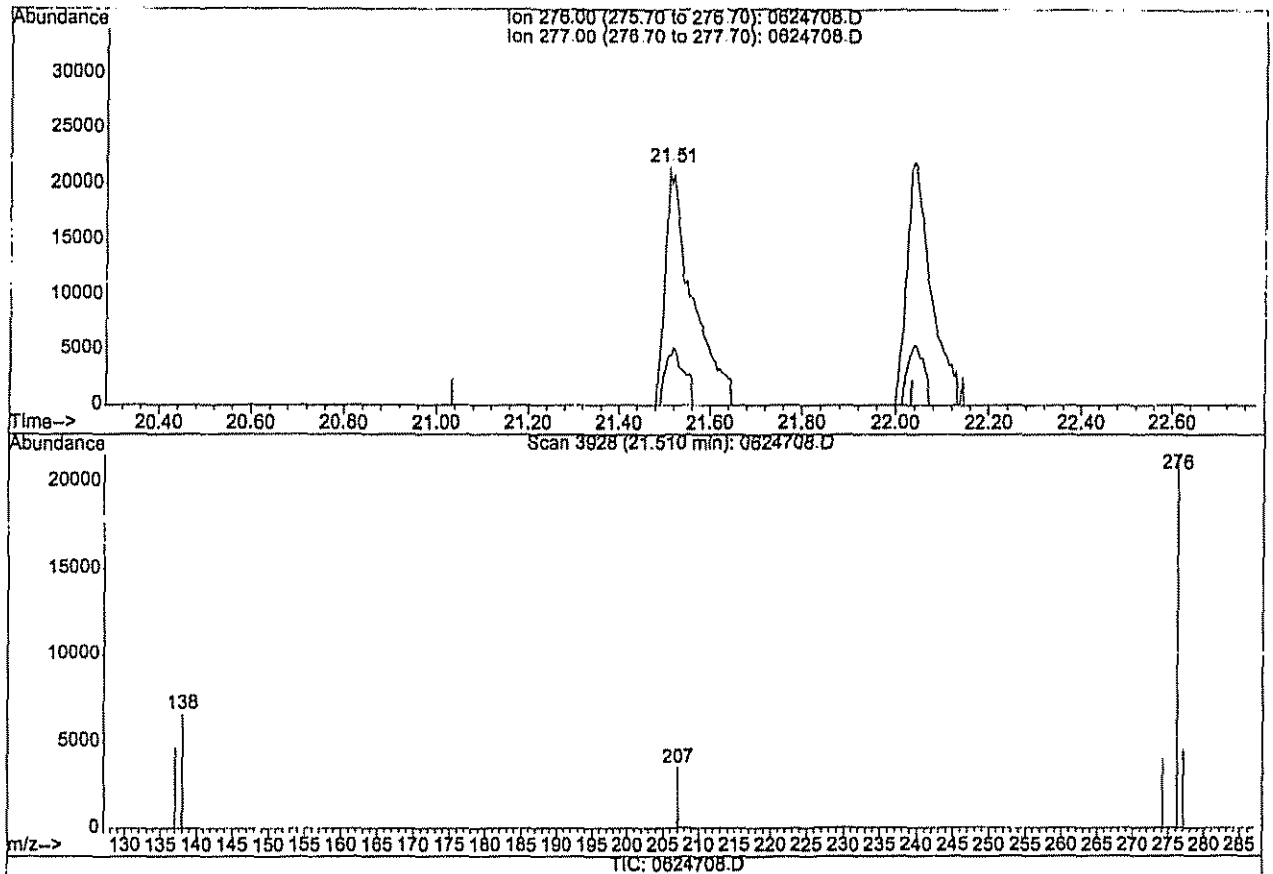
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	20.82
0.00	0.00	0.00
0.00	0.00	0.00

0624708.D 8270.M Fri Jun 24 16:26:30 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624708.D Vial: 8
Acq On : 24 Jun 2005 3:57 pm Operator: MRC
Sample : SVCAL2 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:25 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 16:25:13 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.51min 1.87ug/mL

response 87813

Ion	Exp%	Act%
276.00	100	100
277.00	23.30	20.82
0.00	0.00	0.00
0.00	0.00	0.00

0624708.D 8270.M Fri Jun 24 16:26:22 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624709.D Vial: 9
Acq On : 24 Jun 2005 4:32 pm Operator: MRC
Sample : SVCAL1 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:58:03 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 16:26:40 2005
Response via : Initial Calibration
DataAcq Meth : 8270

mwc 06.24.05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.32	152	225843	4.00 ug/mL	0.00
18) Naphthalene-D8	8.23	136	924761	4.00 ug/mL	-0.01
33) Acenaphthene-d10	11.00	164	460907	4.00 ug/mL	0.00
55) Phenanthrene-D10	13.36	188	728333	4.00 ug/mL	-0.01
85) Chrysene-D12	17.59	240	421845	4.00 ug/mL	-0.02
93) Perylene-D12	19.72	264	291219	4.00 ug/mL	0.00
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	4.59	112	40818	0.76 ug/mL	-0.01
Spiked Amount 10.000			Recovery	= 7.60%	
17) Phenol-d6 (surr)	5.90	99	70399	0.91 ug/mL	-0.03
Spiked Amount 10.000			Recovery	= 9.10%	
32) Nitrobenzene-d5 (surr)	7.17	128	24071	0.79 ug/mL	-0.01
Spiked Amount 10.000			Recovery	= 7.90%	
53) 2-Fluorobiphenyl (surr)	9.96	172	133487	1.05 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 10.50%	
54) 2,4,6-Tribromophenol (surr	12.27	330	10723	0.73 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 7.30%	
92) 4-Terphenyl-d14 (surr)	15.97	244	107794	1.03 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 10.30%	
Target Compounds					Qvalue
2) Pyridine	3.05	79	26601	0.61 ug/mL	91
3) N-Nitrosodimethylamine	3.04	74	28851	0.95 ug/mL	91
4) Phenol	5.92	94	71907	0.80 ug/mL	91
5) Bis(2-chloroethyl)ether	6.00	93	65982	0.96 ug/mL	95
6) 2-Chlorophenol	6.04	128	65666	0.94 ug/mL	95
7) Benzyl Alcohol	6.59	108	25627	0.59 ug/mL	96
8) 1,3-Dichlorobenzene	6.24	146	73554	1.01 ug/mL	96
9) 1,4-Dichlorobenzene	6.35	146	79250	1.04 ug/mL	96
10) 1,2-Dichlorobenzene	6.57	146	70099	1.03 ug/mL	98
11) 2-Methylphenol	6.78	107	48313	0.93 ug/mL#	89
12) 3-, 4-Methylphenol	7.02	107	68107	0.92 ug/mL	97
13) Bis(2-chloroisopropyl)ethe	6.78	45	108914	1.13 ug/mL	95
14) N-Nitrosodi-n-propylamine	6.98	70	32917	0.92 ug/mL	94
15) Hexachloroethane	7.05	117	25564	1.06 ug/mL	95
19) Nitrobenzene	7.19	77	59538	0.93 ug/mL	97
20) Isophorone	7.57	82	100811	1.02 ug/mL	100
21) 2-Nitrophenol	7.68	139	29081	0.73 ug/mL	95
22) 2,4-Dimethylphenol	7.80	122	52409	0.89 ug/mL	97
23) Benzoic Acid	0.00	122	0	N.D.	
24) Bis(2-chloroethoxy)methane	7.93	93	69262	0.93 ug/mL	97

(#) = qualifier out of range (m) = manual integration
0624709.D 8270.M Fri Jun 24 17:13:29 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624709.D Vial: 9
Acq On : 24 Jun 2005 4:32 pm Operator: MRC
Sample : SVCAL1 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:58:03 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 16:26:40 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	8.08	162	39691	0.73 ug/mL	97
26) 1,2,4-Trichlorobenzene	8.16	180	57272	0.99 ug/mL	96
27) Naphthalene	8.26	128	196476	1.06 ug/mL	99
28) 4-Chloroaniline	8.45	127	9299m	0.37 ug/mL	
29) Hexachlorobutadiene	8.49	225	29661	1.05 ug/mL	94
30) 4-Chloro-3-methylphenol	9.24	107	44321	0.81 ug/mL	97
31) 2-Methylnaphthalene	9.35	142	150567	1.07 ug/mL	96
34) Hexachlorocyclopentadiene	9.62	237	1972	0.21 ug/mL#	28
35) 2,4,6-Trichlorophenol	9.84	196	33082	0.88 ug/mL	97
36) 2,4,5-Trichlorophenol	9.93	196	36370	0.88 ug/mL	98
37) 2-Chloronaphthalene	10.12	162	115338	1.03 ug/mL	97
38) 2-Nitroaniline	10.34	65	25929	0.83 ug/mL	90
39) 3-Nitroaniline	0.00	138	0	N.D.	
40) 1-Methylnaphthalene	9.51	142	138628	1.09 ug/mL	98
41) Dimethylphthalate	10.65	163	130935	1.02 ug/mL	100
42) Acenaphthylene	10.77	152	179421	1.10 ug/mL	99
43) 2,6-Dinitrotoluene	10.73	165	24924	0.89 ug/mL	99
44) Acenaphthene	11.05	153	123474	1.10 ug/mL	98
45) 2,4-Dinitrophenol	11.19	184	12641	0.80 ug/mL#	63
46) 4-Nitrophenol	0.00	109	0	N.D. d	
47) Dibenzofuran	11.34	168	182410	1.08 ug/mL	99
48) 2,4-Dinitrotoluene	11.39	165	33681	0.93 ug/mL#	93
49) Fluorene	11.88	166	131589	1.06 ug/mL	99
50) Diethylphthalate	11.79	149	130809	1.04 ug/mL	99
51) 4-Chlorophenyl phenyl ethe	11.91	204	60791	1.03 ug/mL	97
52) 4-Nitroaniline	0.00	138	0	N.D.	
56) 4,6-Dinitro-2-methylphenol	12.04	198	9468	0.48 ug/mL#	62
57) Diphenylamine	12.12	169	73185	1.40 ug/mL	98
58) 4-bromophenyl phenyl ether	12.69	248	31356	1.01 ug/mL	96
59) Hexachlorobenzene	12.76	284	32707	1.03 ug/mL	97
60) Pentachlorophenol	0.00	266	0	N.D.	
61) Phenanthrene	13.40	178	195671	1.08 ug/mL	98
62) Carbazole	13.80	167	111248	1.78 ug/mL#	85
63) Anthracene	13.48	178	184231	1.05 ug/mL	99
64) Azobenzene	12.16	77	136699	1.11 ug/mL	93
65) Di-n-Butylphthalate	14.42	149	219012	1.03 ug/mL	99
66) Fluoranthene	15.29	202	166965	0.99 ug/mL#	95
67) alpha-BHC	12.69	183	23557	1.10 ug/mL	92
68) beta-BHC	13.07	181	18464	1.00 ug/mL	100
69) gamma-BHC	13.17	183	20777	1.09 ug/mL	99
70) delta-BHC	13.57	183	16915	0.97 ug/mL	93

(#) = qualifier out of range (m) = manual integration
0624709.D 8270.M Fri Jun 24 17:13:29 2005 ENV Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624709.D Vial: 9
Acq On : 24 Jun 2005 4:32 pm Operator: MRC
Sample : SVCAL1 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 16:58:03 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 16:26:40 2005
Response via : Initial Calibration
DataAcq Meth : 8270

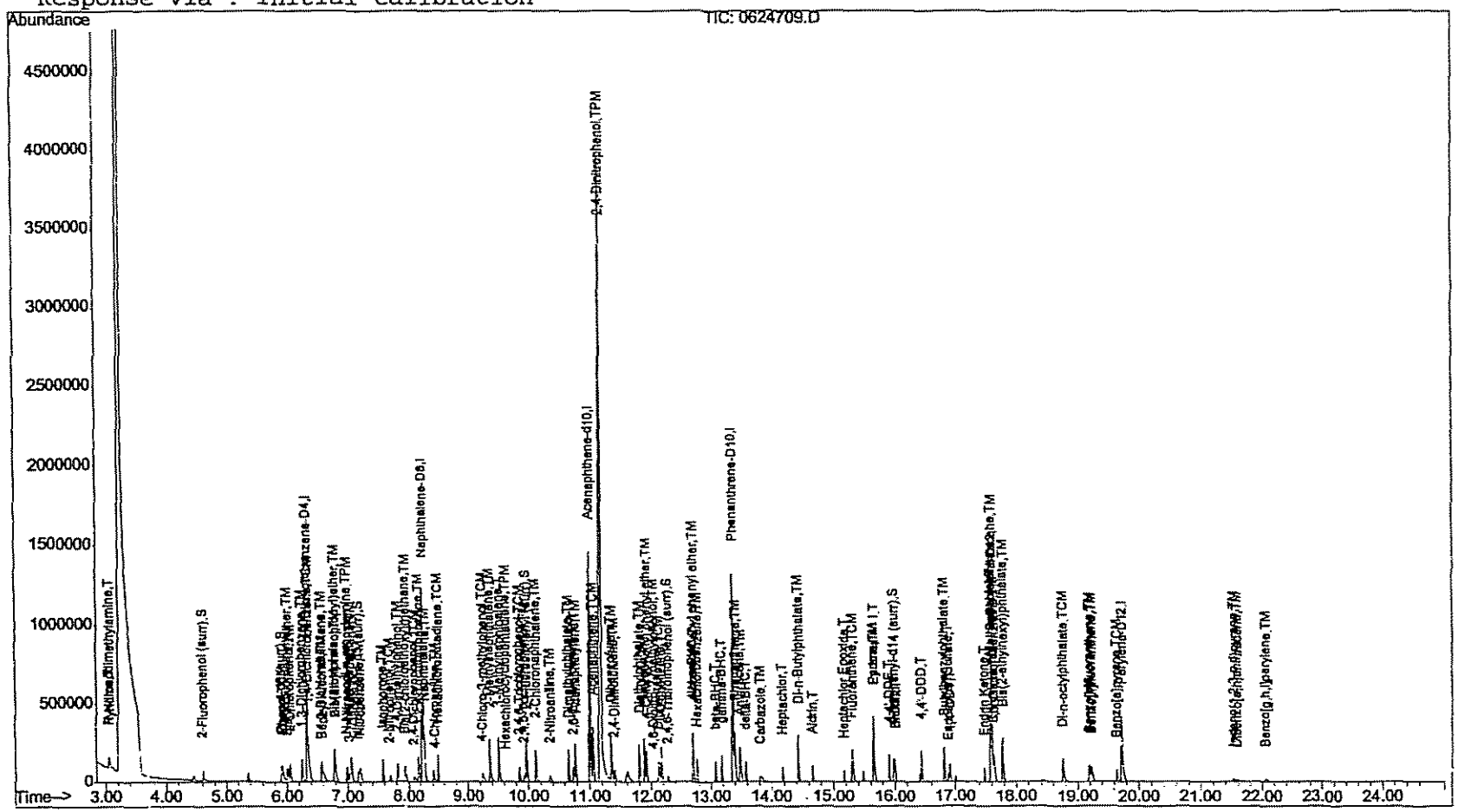
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.17	100	24190	1.10 ug/mL	86
72)	Aldrin	14.65	66	25617	1.21 ug/mL#	83
73)	Heptachlor Epoxide	15.17	353	8863	0.94 ug/mL	88
74)	Endosulfan I	15.64	195	5239	0.96 ug/mL#	40
75)	4,4'-DDE	15.89	246	37157	1.05 ug/mL	93
76)	Dieldrin	15.99	79	34002	1.23 ug/mL#	86
77)	Endrin	15.99	263	5102	0.97 ug/mL	76
78)	Endosulfan II	0.00	35	0	N.D.	
79)	4,4'-DDD	16.43	235	63719	0.98 ug/mL#	97
80)	Endosulfan Sulfate	16.87	272	7949	0.94 ug/mL#	43
81)	4,4'-DDT	16.90	235	45726	1.02 ug/mL	99
82)	Endrin Aldehyde	0.00	35	0	N.D.	
83)	Endrin Ketone	17.48	317	6356	0.92 ug/mL	98
84)	Methoxychlor	17.57	227	86925	1.01 ug/mL	94
86)	Pyrene	15.65	202	174381	1.14 ug/mL	97
87)	Butylbenzylphthalate	16.81	149	84818	0.98 ug/mL	89
88)	Benzo[a]anthracene	17.57	228	125564	1.02 ug/mL	98
89)	3,3'-Dichlorobenzidine	17.62	252	2156	0.14 ug/mL#	27
90)	Chrysene	17.63	228	121391	1.06 ug/mL	97
91)	Bis(2-ethylhexyl)phthalate	17.77	149	124283	1.02 ug/mL#	96
94)	Di-n-octylphthalate	18.75	149	172965	0.86 ug/mL	100
95)	Benzo[b]fluoranthene	19.18	252	76828	0.80 ug/mL	96
96)	Benzo[k]fluoranthene	19.22	252	109581	1.10 ug/mL	94
97)	Benzo[a]pyrene	19.63	252	66134	0.86 ug/mL	97
98)	Indeno(1,2,3-c,d)pyrene	21.52	276	29959m	0.66 ug/mL	
99)	Dibenzo[a,h]anthracene	21.58	278	22687	0.50 ug/mL#	50
100)	Benzo[g,h,i]perylene	22.06	276	37867	0.73 ug/mL#	78

(#) = qualifier out of range (m) = manual integration
0624709.D 8270.M Fri Jun 24 17:13:30 2005 ENV Page 3

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624709.D Vial: 9
Acq On : 24 Jun 2005 4:32 pm Operator: MRC
Sample : SVCAL1 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 17:06 2005 Quant Results File: 8270.RES

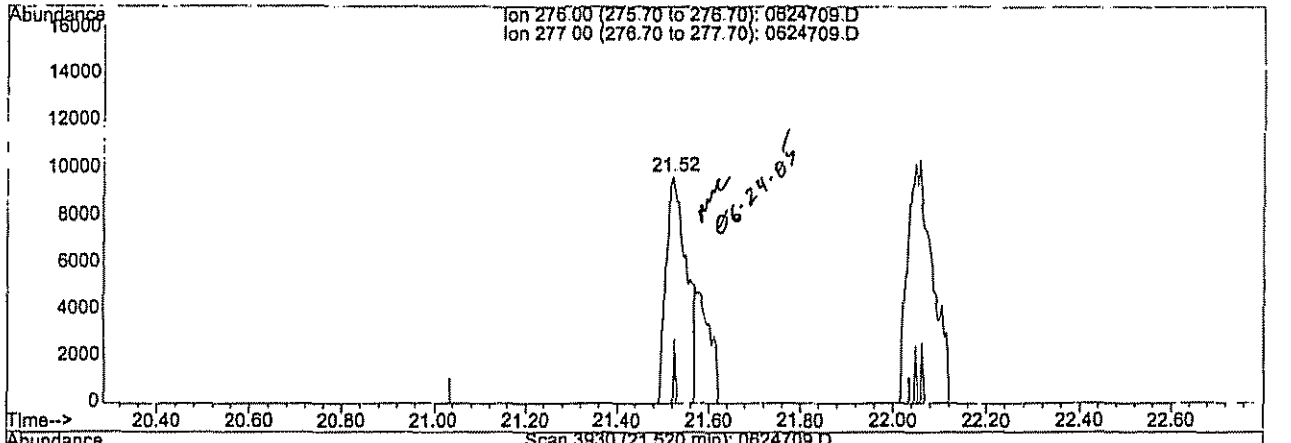
Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

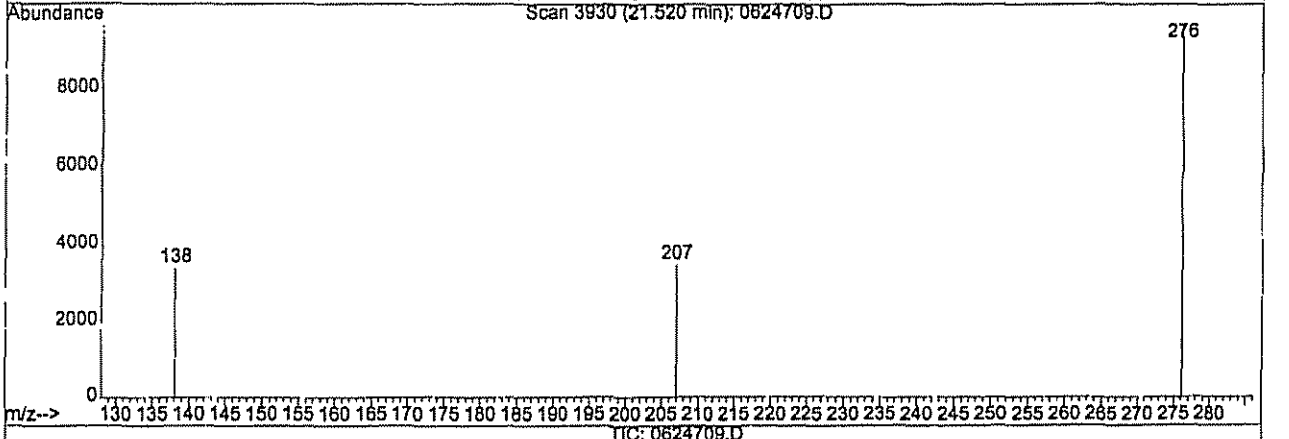


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624709.D Vial: 9
Acq On : 24 Jun 2005 4:32 pm Operator: MRC
Sample : SVCAL1 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 17:06 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 16:26:40 2005
Response via : Multiple Level Calibration





TIC: 0624709.D

(98) Indeno(1,2,3-c,d)pyrene (TM)

21.52min 0.66ug/mL m

response 29959

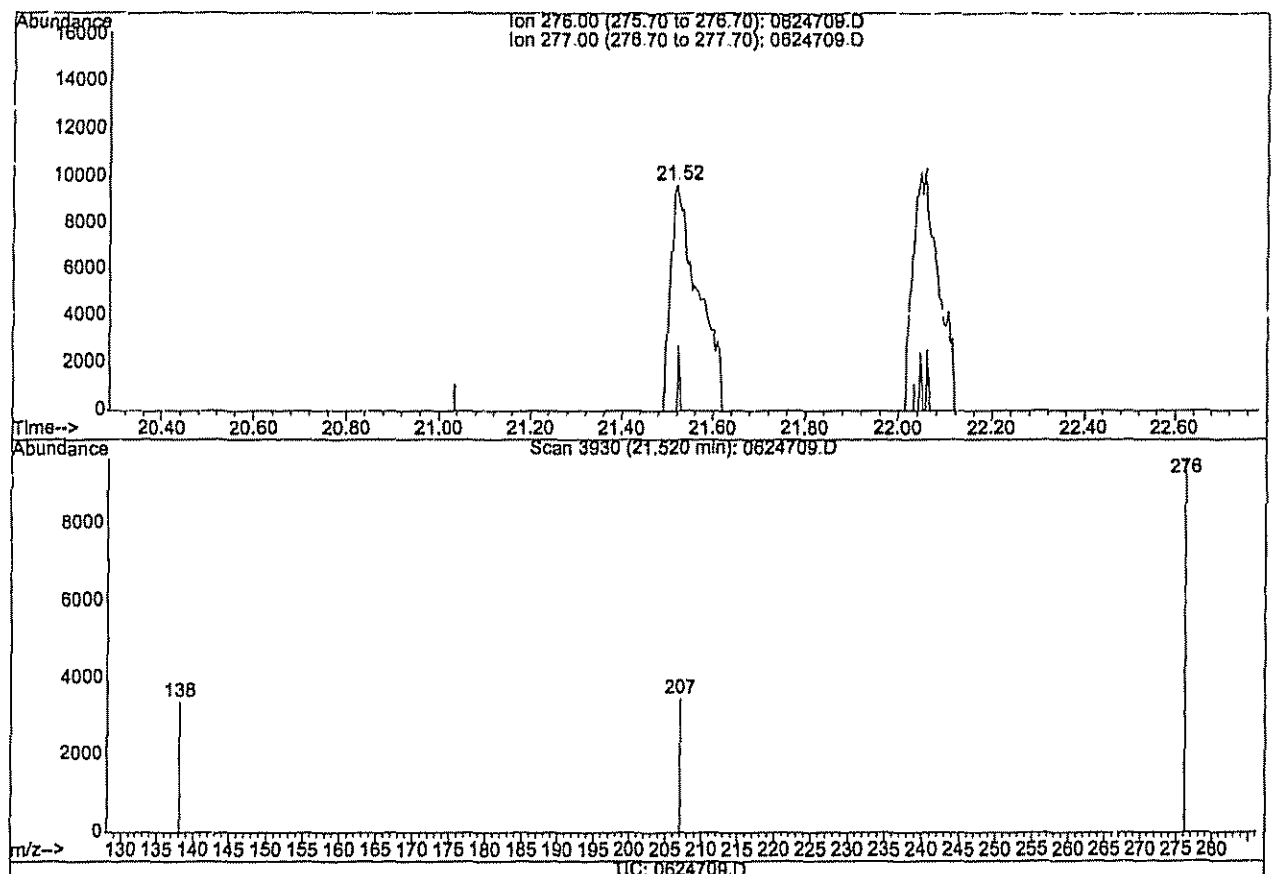
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

0624709.D 8270.M Fri Jun 24 17:06:50 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624709.D Vial: 9
Acq On : 24 Jun 2005 4:32 pm Operator: MRC
Sample : SVCAL1 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 24 17:06 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 16:26:40 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.52min 0.89ug/mL

response 40357

Ion	Exp%	Act%
276.00	100	100
277.00	23.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

0624709.D 8270.M Fri Jun 24 17:06:45 2005 ENV

8270-BN CVS Raw Data

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\6071105\0711602.D Vial: 2
Acq On : 11 Jul 2005 2:54 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\DATA\6071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	81	-0.04
2	TM	Pyridine	0.785	0.962	-22.5#	90	-0.04
3	TM	N-Nitrosodimethylamine	0.668	0.745	-11.5	87	-0.05
4	TMC	Phenol	1.797	1.898	-5.6	82	-0.03
5	TM	Bis(2-chloroethyl)ether	1.397	1.511	-8.2	86	-0.05
6	TM	2-Chlorophenol	1.322	1.338	-1.2	80	-0.04
7	TM	Benzyl Alcohol	0.919	0.976	-6.2	82	-0.04
8	TM	1,3-Dichlorobenzene	1.306	1.347	-3.1	79	-0.04
9	TMC	1,4-Dichlorobenzene	1.341	1.387	-3.4	81	-0.04
10	TM	1,2-Dichlorobenzene	1.210	1.231	-1.7	78	-0.05
11	TM	2-Methylphenol	1.097	1.153	-5.1	82	-0.04
12	TM	3-, 4-Methylphenol	1.590	1.649	-3.7	80	-0.04
13	TM	Bis(2-chloroisopropyl)ether	1.644	1.692	-2.9	81	-0.04
14	TMP	N-Nitrosodi-n-propylamine	0.834	0.842	-1.0	79	-0.05
15	TM	Hexachloroethane	0.531	0.525	1.1	76	-0.05
16	S	2-Fluorophenol (surr)	1.017	1.006	1.1	79	-0.03
17	S	Phenol-d6 (surr)	1.587	1.669	-5.2	82	-0.03
18	I	Naphthalene-D8	1.000	1.000	0.0	81	-0.05
19	TM	Nitrobenzene	0.394	0.415	-5.3	82	-0.05
20	TM	Isophorone	0.582	0.569	2.2	76	-0.05
21	TMC	2-Nitrophenol	0.183	0.180	1.6	79	-0.04
22	TM	2,4-Dimethylphenol	0.262	0.268	-2.3	79	-0.04
23	TM	Benzoic Acid	0.177	0.183	-3.4	83	-0.02
24	TM	Bis(2-chloroethoxy)methane	0.385	0.398	-3.4	82	-0.04
25	TMC	2,4-Dichlorophenol	0.265	0.283	-6.8	82	-0.04
26	TM	1,2,4-Trichlorobenzene	0.280	0.282	-0.7	79	-0.05
27	TM	Naphthalene	0.872	0.905	-3.8	81	-0.05
28	TM	4-Chloroaniline	0.148	0.139	6.1	83	-0.01
29	TMC	Hexachlorobutadiene	0.177	0.175	1.1	76	-0.05
30	TMC	4-Chloro-3-methylphenol	0.313	0.334	-6.7	82	-0.04
31	TM	2-Methylnaphthalene	0.622	0.651	-4.7	82	-0.05
32	S	Nitrobenzene-d5 (surr)	0.142	0.149	-4.9	81	-0.04
33	I	Acenaphthene-d10	1.000	1.000	0.0	81	-0.05
34	TMP	Hexachlorocyclopentadiene	0.141	0.112	20.6#	59	-0.05
35	TMC	2,4,6-Trichlorophenol	0.354	0.372	-5.1	79	-0.04
36	TM	2,4,5-Trichlorophenol	0.369	0.402	-8.9	84	-0.04
37	TM	2-Chloronaphthalene	0.986	1.028	-4.3	81	-0.05
38	TM	2-Nitroaniline	0.364	0.383	-5.2	78	-0.04
39	TM	3-Nitroaniline	0.103	0.051	50.5#	43#	-0.03

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\6071105\0711602.D Vial: 2
Acq On : 11 Jul 2005 2:54 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\DATA\6071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TM	1-Methylnaphthalene	0.981	1.019	-3.9	80	-0.05
41	TM	Dimethylphthalate	1.167	1.219	-4.5	80	-0.05
42	TM	Acenaphthylene	1.284	1.383	-7.7	81	-0.05
43	TM	2,6-Dinitrotoluene	0.257	0.267	-3.9	78	-0.05
44	TMC	Acenaphthene	0.883	0.909	-2.9	80	-0.05
45	TMP	2,4-Dinitrophenol	0.149	0.149	0.0	78	-0.04
46	TMP	4-Nitrophenol	0.168	0.164	2.4	77	-0.02
47	TM	Dibenzofuran	1.431	1.506	-5.2	82	-0.05
48	TM	2,4-Dinitrotoluene	0.325	0.331	-1.8	80	-0.04
49	TM	Fluorene	1.063	1.118	-5.2	81	-0.05
50	TM	Diethylphthalate	1.079	1.066	1.2	77	-0.05
51	TM	4-Chlorophenyl phenyl ether	0.549	0.562	-2.4	79	-0.05
52	TM	4-Nitroaniline	0.139	0.124	10.8	70	-0.03
53	S	2-Fluorobiphenyl (surr)	1.121	1.166	-4.0	81	-0.05
54	S	2,4,6-Tribromophenol (surr)	0.117	0.122	-4.3	81	-0.05
55	I	Phenanthrene-D10	1.000	1.000	0.0	82	-0.05
56	TM	4,6-Dinitro-2-methylphenol	0.145	0.138	4.8	70	-0.04
57	TMC	Diphenylamine	0.417	0.401	3.8	76	-0.05
58	TM	4-bromophenyl phenyl ether	0.203	0.209	-3.0	78	-0.05
59	TM	Hexachlorobenzene	0.200	0.190	5.0	75	-0.05
60	TMC	Pentachlorophenol	0.147	0.138	6.1	74	-0.04
61	TM	Phenanthrene	0.990	1.031	-4.1	81	-0.05
62	TM	Carbazole	0.725	0.452	37.7#	58	-0.03
63	TM	Anthracene	0.923	0.986	-6.8	84	-0.05
64		Azobenzene	0.873	0.895	-2.5	80	-0.05
65	TM	Di-n-Butylphthalate	1.189	1.192	-0.3	77	-0.05
66	TMC	Fluoranthene	1.042	1.051	-0.9	78	-0.05
67	T	alpha-BHC	0.158	0.151	4.4	72	-0.05
68	T	beta-BHC	0.132	0.128	3.0	74	-0.04
69	T	gamma-BHC	0.135	0.131	3.0	75	-0.05
70	T	delta-BHC	0.128	0.119	7.0	73	-0.04
71	T	Heptachlor	0.150	0.148	1.3	77	-0.05
72	T	Aldrin	0.173	0.165	4.6	72	-0.05
73	T	Heptachlor Epoxide	0.052	0.051	1.9	74	-0.05
74	T	Endosulfan I	0.043	0.043#	0.0	76	-0.06
75	T	4,4'-DDE	0.245	0.230	6.1	73	-0.05
76	T	Dieldrin	0.223	0.205	8.1	72	-0.05
77	T	Endrin	0.038	0.038#	0.0	74	-0.06
78	T	Endosulfan II	0.000	0.000#	0.0	0#	-19.14#
79	T	4,4'-DDD	0.410	0.367	10.5	69	-0.05

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\6071105\0711602.D Vial: 2
Acq On : 11 Jul 2005 2:54 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\DATA\6071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	T	Endosulfan Sulfate	0.054	0.045#	16.7	62	-0.05
81	T	4,4'-DDT	0.318	0.292	8.2	70	-0.05
82	T	Endrin Aldehyde	0.000	0.000#	0.0	0#	-20.71#
83	T	Endrin Ketone	0.040	0.030#	25.0#	55	-0.05
84	T	Methoxychlor	0.626	0.529	15.5	60	-0.05
85	I	Chrysene-D12	1.000	1.000	0.0	60	-0.05
86	TM	Pyrene	1.500	1.851	-23.4#	76	-0.05
87	TM	Butylbenzylphthalate	0.709	0.812	-14.5	68	-0.06
88	TM	Benzo[a]anthracene	1.080	1.118	-3.5	60	-0.05
89	TM	3,3'-Dichlorobenzidine	0.131	0.136	-3.8	71	-0.04
90	TM	Chrysene	1.055	1.096	-3.9	61	-0.05
91	TM	Bis(2-ethylhexyl)phthalate	0.918	0.994	-8.3	63	-0.06
92	S	4-Terphenyl-d14 (surr)	1.000	1.222	-22.2#	75	-0.05
93	I	Perylene-D12	1.000	1.000	0.0	54	-0.07
94	TMC	Di-n-octylphthalate	2.178	2.384	-9.5	61	-0.06
95	TM	Benzo[b]fluoranthene	1.212	1.340	-10.6	58	-0.06
96	TM	Benzo[k]fluoranthene	1.361	1.469	-7.9	56	-0.06
97	TMC	Benzo[a]pyrene	0.961	1.133	-17.9	63	-0.07
98	TM	Indeno(1,2,3-c,d)pyrene	0.409	0.703	-71.9#	94	-0.11
99	TM	Dibenzo[a,h]anthracene	0.399	0.751	-88.2#	96	-0.10
100	TM	Benzo[g,h,i]perylene	0.571	0.799	-39.9#	72	-0.10

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071105\0711602.D Vial: 2
Acq On : 11 Jul 2005 2:54 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 11 15:20 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration
DataAcq Meth : 8270

rmd 07-12-05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.17	152	186966	4.00 ug/mL	-0.04
18) Naphthalene-D8	9.09	136	743462	4.00 ug/mL	-0.05
33) Acenaphthene-d10	11.88	164	421758	4.00 ug/mL	-0.05
55) Phenanthrene-D10	14.26	188	626379	4.00 ug/mL	-0.05
85) Chrysene-D12	18.51	240	334233	4.00 ug/mL	-0.05
93) Perylene-D12	20.85	264	198503	4.00 ug/mL	-0.07
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	5.37	112	282173	5.94 ug/mL	-0.03
Spiked Amount 10.000			Recovery	= 59.40%	
17) Phenol-d6 (surr)	6.66	99	468057	6.31 ug/mL	-0.03
Spiked Amount 10.000			Recovery	= 63.10%	
32) Nitrobenzene-d5 (surr)	8.00	128	166256	6.31 ug/mL	-0.04
Spiked Amount 10.000			Recovery	= 63.10%	
53) 2-Fluorobiphenyl (surr)	10.82	172	737829	6.24 ug/mL	-0.05
Spiked Amount 10.000			Recovery	= 62.40%	
54) 2,4,6-Tribromophenol (surr	13.15	330	77277	6.26 ug/mL	-0.05
Spiked Amount 10.000			Recovery	= 62.60%	
92) 4-Terphenyl-d14 (surr)	16.86	244	612839	7.33 ug/mL	-0.05
Spiked Amount 10.000			Recovery	= 73.30%	
Target Compounds					Qvalue
2) Pyridine	3.78	79	269832	6.78 ug/mL	94
3) N-Nitrosodimethylamine	3.76	74	209061	6.70 ug/mL	96
4) Phenol	6.68	94	532368	6.34 ug/mL	96
5) Bis(2-chloroethyl)ether	6.81	93	423806	6.49 ug/mL	97
6) 2-Chlorophenol	6.87	128	375361	6.07 ug/mL	98
7) Benzyl Alcohol	7.39	108	273671	6.37 ug/mL	95
8) 1,3-Dichlorobenzene	7.09	146	377656	6.19 ug/mL	97
9) 1,4-Dichlorobenzene	7.20	146	388868	6.20 ug/mL	98
10) 1,2-Dichlorobenzene	7.41	146	345252	6.10 ug/mL	96
11) 2-Methylphenol	7.56	107	323496	6.31 ug/mL	98
12) 3-, 4-Methylphenol	7.79	107	462354	6.22 ug/mL	97
13) Bis(2-chloroisopropyl)ethe	7.60	45	474629	6.17 ug/mL	99
14) N-Nitrosodi-n-propylamine	7.79	70	236177	6.06 ug/mL	97
15) Hexachloroethane	7.91	117	147222	5.94 ug/mL	99
19) Nitrobenzene	8.03	77	463321	6.33 ug/mL	99
20) Isophorone	8.40	82	634350	5.87 ug/mL	98
21) 2-Nitrophenol	8.52	139	200546	5.90 ug/mL	97
22) 2,4-Dimethylphenol	8.60	122	299377	6.14 ug/mL	99
23) Benzoic Acid	8.78	122	203695	6.16 ug/mL	96
24) Bis(2-chloroethoxy)methane	8.75	93	443877	6.21 ug/mL	100

(#) = qualifier out of range (m) = manual integration
0711602.D 8270.M Tue Jul 12 09:59:39 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071105\0711602.D Vial: 2
Acq On : 11 Jul 2005 2:54 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 11 15:20 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	2,4-Dichlorophenol	8.89	162	315652	6.40	ug/mL	99
26)	1,2,4-Trichlorobenzene	9.01	180	314188	6.04	ug/mL	97
27)	Naphthalene	9.13	128	1008891	6.23	ug/mL	99
28)	4-Chloroaniline	9.28	127	155194	6.12	ug/mL#	87
29)	Hexachlorobutadiene	9.34	225	194625	5.92	ug/mL	95
30)	4-Chloro-3-methylphenol	10.02	107	372498	6.40	ug/mL	96
31)	2-Methylnaphthalene	10.22	142	725523	6.27	ug/mL	99
34)	Hexachlorocyclopentadiene	10.49	237	70792	4.89	ug/mL	96
35)	2,4,6-Trichlorophenol	10.69	196	235649	6.30	ug/mL	98
36)	2,4,5-Trichlorophenol	10.74	196	254073	6.53	ug/mL	94
37)	2-Chloronaphthalene	10.99	162	650391	6.26	ug/mL	97
38)	2-Nitroaniline	11.18	65	242426	6.32	ug/mL	96
39)	3-Nitroaniline	11.86	138	32263	2.98	ug/mL	96
40)	1-Methylnaphthalene	10.38	142	644887	6.24	ug/mL	100
41)	Dimethylphthalate	11.50	163	771431	6.27	ug/mL	100
42)	Acenaphthylene	11.65	152	875193	6.47	ug/mL	99
43)	2,6-Dinitrotoluene	11.58	165	168824	6.22	ug/mL	99
44)	Acenaphthene	11.93	153	574800	6.17	ug/mL	99
45)	2,4-Dinitrophenol	12.03	184	94105	5.99	ug/mL	96
46)	4-Nitrophenol	12.15	109	103996	5.88	ug/mL	98
47)	Dibenzofuran	12.22	168	952946	6.32	ug/mL	97
48)	2,4-Dinitrotoluene	12.22	165	209474	6.12	ug/mL	100
49)	Fluorene	12.76	166	707419	6.31	ug/mL	100
50)	Diethylphthalate	12.64	149	674447	5.93	ug/mL	99
51)	4-Chlorophenyl phenyl ethe	12.78	204	355326	6.13	ug/mL	99
52)	4-Nitroaniline	12.84	138	78266	5.34	ug/mL	89
56)	4,6-Dinitro-2-methylphenol	12.87	198	130046	5.72	ug/mL	99
57)	Diphenylamine	12.98	169	376820	5.77	ug/mL	98
58)	4-bromophenyl phenyl ether	13.57	248	196282	6.17	ug/mL	92
59)	Hexachlorobenzene	13.65	284	178125	5.70	ug/mL	97
60)	Pentachlorophenol	13.98	266	129892	5.65	ug/mL	97
61)	Phenanthrene	14.30	178	968880	6.25	ug/mL	98
62)	Carbazole	14.67	167	424802	3.74	ug/mL#	96
63)	Anthracene	14.38	178	926682	6.41	ug/mL	99
64)	Azobenzene	13.04	77	840927	6.15	ug/mL	99
65)	Di-n-Butylphthalate	15.28	149	1119988	6.01	ug/mL	100
66)	Fluoranthene	16.21	202	987058	6.05	ug/mL	98
67)	alpha-BHC	13.58	183	142053	5.75	ug/mL	99
68)	beta-BHC	13.92	181	120218	5.83	ug/mL	99
69)	gamma-BHC	14.06	183	122928	5.83	ug/mL	99
70)	delta-BHC	14.43	183	112190	5.62	ug/mL	99

(#) = qualifier out of range (m) = manual integration
0711602.D 8270.M Tue Jul 12 09:59:40 2005 ENV Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071105\0711602.D Vial: 2
Acq On : 11 Jul 2005 2:54 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 11 15:20 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration
DataAcq Meth : 8270

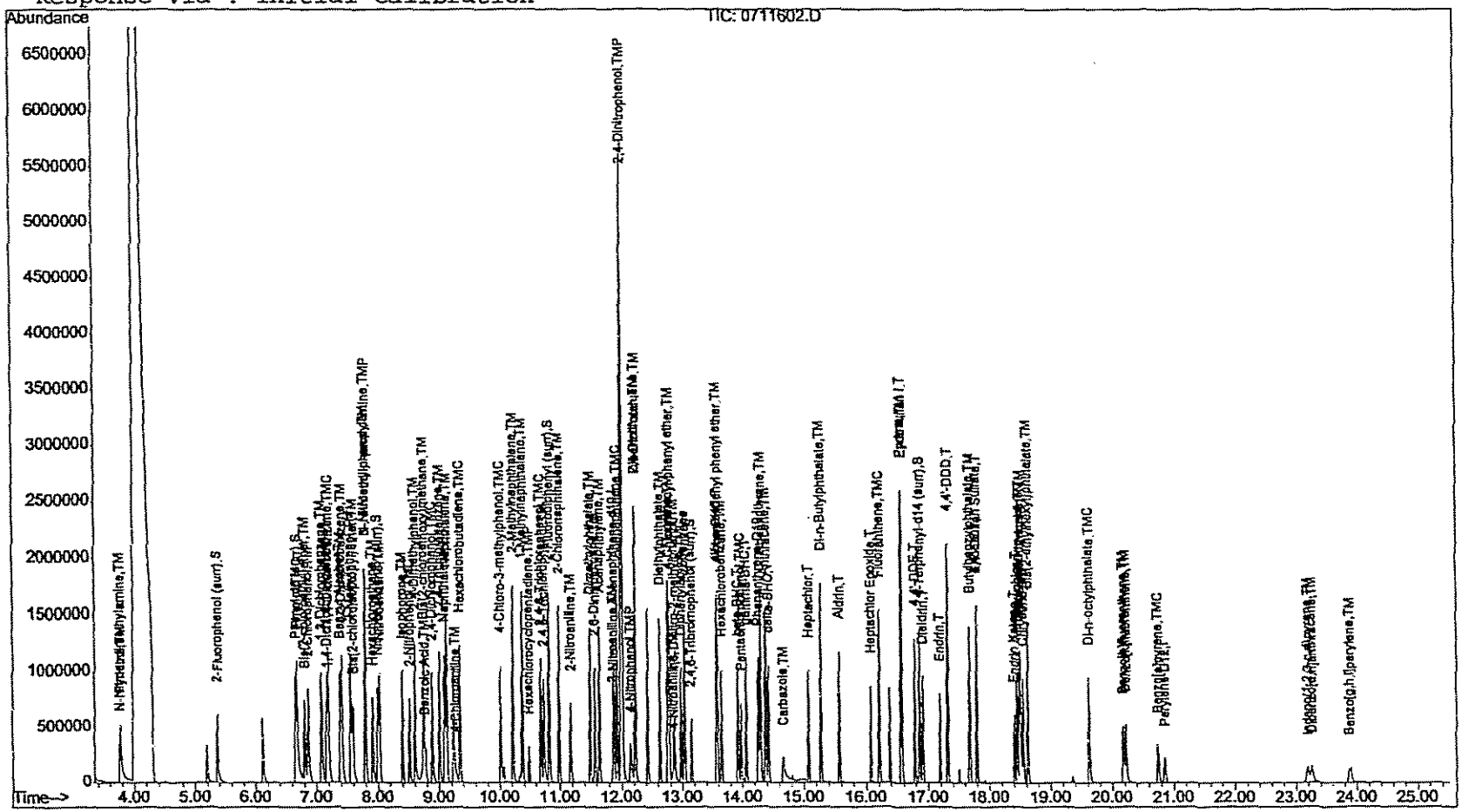
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Heptachlor	15.08	100	139372	5.94	ug/mL	97
72)	Aldrin	15.57	66	154573	5.70	ug/mL	100
73)	Heptachlor Epoxide	16.08	353	47919	5.85	ug/mL	98
74)	Endosulfan I	16.57	195	40315	5.93	ug/mL	91
75)	4,4'-DDE	16.79	246	216168	5.65	ug/mL	95
76)	Dieldrin	16.92	79	192934	5.54	ug/mL	100
77)	Endrin	17.19	263	35569	5.92	ug/mL	93
78)	Endosulfan II	0.00	30	0	N.D.		
79)	4,4'-DDD	17.32	235	344638	5.37	ug/mL	100
80)	Endosulfan Sulfate	17.79	272	42100	4.98	ug/mL	97
81)	4,4'-DDT	17.80	235	274094	5.50	ug/mL	100
82)	Endrin Aldehyde	0.00	30	0	N.D.		
83)	Endrin Ketone	18.41	317	28277	4.56	ug/mL	92
84)	Methoxychlor	18.45	227	497454	5.08	ug/mL	100
86)	Pyrene	16.57	202	928095	7.41	ug/mL	98
87)	Butylbenzylphthalate	17.68	149	406977	6.87	ug/mL	98
88)	Benzo[a]anthracene	18.49	228	560750	6.22	ug/mL	96
89)	3,3'-Dichlorobenzidine	18.49	252	68395	6.32	ug/mL#	93
90)	Chrysene	18.55	228	549370	6.23	ug/mL	96
91)	Bis(2-ethylhexyl)phthalate	18.63	149	498388	6.50	ug/mL	98
94)	Di-n-octylphthalate	19.62	149	709835	6.57	ug/mL	100
95)	Benzo[b]fluoranthene	20.18	252	398978	6.63	ug/mL	97
96)	Benzo[k]fluoranthene	20.23	252	437373	6.47	ug/mL	98
97)	Benzo[a]pyrene	20.74	252	337491	7.08	ug/mL#	94
98)	Indeno(1,2,3-c,d)pyrene	23.18	276	209459	8.48	ug/mL	99
99)	Dibenzo[a,h]anthracene	23.26	278	223750	8.94	ug/mL	96
100)	Benzo[g,h,i]perylene	23.89	276	237794	7.78	ug/mL	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6071105\0711602.D Vial: 2
Acq On : 11 Jul 2005 2:54 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 11 15:20 2005 Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration



N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	4.000	4.000	0.0	102	-0.08
2	T	Pyridine	6.000	6.181	-3.0	102	-0.15
3	T	N-Nitrosodimethylamine	6.000	6.105	-1.8	97	-0.18
4	TCM	Phenol	6.000	5.877	2.1	92	-0.10
5	TM	Bis(2-chloroethyl)ether	6.000	5.978	0.4	99	-0.10
6	TM	2-Chlorophenol	6.000	5.976	0.4	96	-0.09
7	TM	Benzyl Alcohol	6.000	5.088	15.2	83	-0.09
8	TM	1,3-Dichlorobenzene	6.000	6.365	-6.1	102	-0.09
9	TCM	1,4-Dichlorobenzene	6.000	6.346	-5.8	102	-0.09
10	TM	1,2-Dichlorobenzene	6.000	6.547	-9.1	104	-0.08
11	TM	2-Methylphenol	6.000	6.108	-1.8	93	-0.09
12	TM	3-, 4-Methylphenol	6.000	5.829	2.9	92	-0.10
13	TM	Bis(2-chloroisopropyl)ether	6.000	6.939	-15.7	109	-0.07
14	TPM	N-Nitrosodi-n-propylamine	6.000	6.467	-7.8	103	-0.10
15	TM	Hexachloroethane	6.000	7.062	-17.7	109	-0.09
16	S	2-Fluorophenol (surr)	6.000	5.988	0.2	94	-0.09
17	S	Phenol-d6 (surr)	6.000	5.755	4.1	90	-0.10
18	I	Naphthalene-D8	4.000	4.000	0.0	99	-0.09
19	TM	Nitrobenzene	6.000	6.446	-7.4	99	-0.10
20	TM	Isophorone	6.000	6.592	-9.9	106	-0.10
21	TCM	2-Nitrophenol	6.000	5.810	3.2	88	-0.09
22	TM	2,4-Dimethylphenol	6.000	5.730	4.5	87	-0.10
23	T	Benzoic Acid	6.000	5.284	11.9	81	-0.20
24	TM	Bis(2-chloroethoxy)methane	6.000	6.186	-3.1	95	-0.10
25	TCM	2,4-Dichlorophenol	6.000	5.969	0.5	89	-0.09
26	TM	1,2,4-Trichlorobenzene	6.000	6.528	-8.8	102	-0.09
27	TM	Naphthalene	6.000	6.394	-6.6	99	-0.10
28	TM	4-Chloroaniline	6.000	3.595	40.1#	52	0.00
29	TCM	Hexachlorobutadiene	6.000	6.897	-15.0	107	-0.09
30	TCM	4-Chloro-3-methylphenol	6.000	6.157	-2.6	94	-0.08
31	TM	2-Methylnaphthalene	6.000	6.254	-4.2	96	-0.09
32	S	Nitrobenzene-d5 (surr)	6.000	6.109	-1.8	94	-0.09
33	I	Acenaphthene-d10	4.000	4.000	0.0	98	-0.09
34	TPM	Hexachlorocyclopentadiene	6.000	5.574	7.1	93	-0.08
35	TCM	2,4,6-Trichlorophenol	6.000	6.426	-7.1	97	-0.09
36	TM	2,4,5-Trichlorophenol	6.000	6.188	-3.1	89	-0.07
37	TM	2-Chloronaphthalene	6.000	6.312	-5.2	96	-0.10
38	TM	2-Nitroaniline	6.000	4.976	17.1	78	-0.09
39	TM	3-Nitroaniline	6.000	4.703	21.6#	47	-0.08

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40	T	1-Methylnaphthalene	6.000	6.606	-10.1	100	-0.09
41	TM	Dimethylphthalate	6.000	6.414	-6.9	100	-0.10
42	TM	Acenaphthylene	6.000	6.658	-11.0	98	-0.09
43	TM	2,6-Dinitrotoluene	6.000	6.300	-5.0	94	-0.10
44	TCM	Acenaphthene	6.000	6.471	-7.9	98	-0.10
45	TPM	2,4-Dinitrophenol	6.000	5.962	0.6	90	-0.10
46	TPM	4-Nitrophenol	6.000	4.760	20.7#	72	-0.05
47	TM	Dibenzofuran	6.000	6.027	-0.5	91	-0.10
48	TM	2,4-Dinitrotoluene	6.000	6.038	-0.6	91	-0.10
49	TM	Fluorene	6.000	6.043	-0.7	91	-0.10
50	TM	Diethylphthalate	6.000	6.627	-10.4	101	-0.10
51	TM	4-Chlorophenyl phenyl ether	6.000	6.135	-2.2	93	-0.09
52	TM	4-Nitroaniline	6.000	4.487	25.2#	65	-0.06
53	S	2-Fluorobiphenyl (surr)	6.000	6.403	-6.7	97	-0.09
54	S	2,4,6-Tribromophenol (surr)	6.000	6.039	-0.6	90	-0.10
55	I	Phenanthrene-D10	4.000	4.000	0.0	91	-0.09
56	TM	4,6-Dinitro-2-methylphenol	6.000	6.518	-8.6	96	-0.10
57	TCM	Diphenylamine	6.000	5.137	14.4	83	-0.10
58	TM	4-bromophenyl phenyl ether	6.000	6.663	-11.1	90	-0.10
59	TM	Hexachlorobenzene	6.000	7.163	-19.4	101	-0.10
60	TCM	Pentachlorophenol	6.000	5.616	6.4	87	-0.09
61	TM	Phenanthrene	6.000	6.386	-6.4	90	-0.10
62	TM	Carbazole	6.000	-1.000	116.7#	0	-13.79#
63	TM	Anthracene	6.000	6.345	-5.7	89	-0.10
64	T	Azobenzene	6.000	6.566	-9.4	94	-0.09
65	TM	Di-n-Butylphthalate	6.000	6.930	-15.5	96	-0.09
66	TCM	Fluoranthene	6.000	6.589	-9.8	92	-0.10
67	T	alpha-BHC	6.000	7.447	-24.1#	104	-0.10
68	T	beta-BHC	6.000	7.464	-24.4#	103	-0.10
69	T	gamma-BHC	6.000	7.317	-22.0#	105	-0.10
70	T	delta-BHC	6.000	7.395	-23.2#	102	-0.09
71	T	Heptachlor	6.000	7.987	-33.1#	108	-0.09
72	T	Aldrin	6.000	7.290	-21.5#	106	-0.09
73	T	Heptachlor Epoxide	6.000	7.326	-22.1#	104	-0.09
74	T	Endosulfan I	6.000	7.574	-26.2#	102	-0.10
75	T	4,4'-DDE	6.000	7.014	-16.9	98	-0.09
76	T	Dieldrin	6.000	7.257	-20.9#	103	-0.09
77	T	Endrin	6.000	7.905	-31.8#	107	-0.10
78	T	Endosulfan II	6.000	0.000	100.0#	0	-18.31#
79	T	4,4'-DDD	6.000	6.623	-10.4	93	-0.10

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
80	T	Endosulfan Sulfate	6.000	7.603	-26.7#	101	-0.10
81	T	4,4'-DDT	6.000	8.338	-39.0#	110	-0.10
82	T	Endrin Aldehyde	6.000	0.000	100.0#	0	-18.29#
83	T	Endrin Ketone	6.000	7.241	-20.7#	102	-0.10
84	T	Methoxychlor	6.000	8.925	-48.8#	116	-0.10
85	I	Chrysene-D12	4.000	4.000	0.0	98	-0.10
86	TM	Pyrene	6.000	6.056	-0.9	93	-0.11
87	TM	Butylbenzylphthalate	6.000	5.901	1.7	93	-0.10
88	TM	Benzo[a]anthracene	6.000	6.453	-7.6	100	-0.10
89	TM	3,3'-Dichlorobenzidine	6.000	4.629	22.9#	56	-0.08
90	TM	Chrysene	6.000	6.226	-3.8	98	-0.10
91	TM	Bis(2-ethylhexyl)phthalate	6.000	6.117	-2.0	96	-0.09
92	S	4-Terphenyl-d14 (surr)	6.000	5.652	5.8	88	-0.10
93	I	Perylene-D12	4.000	4.000	0.0	111	-0.10
94	TCM	Di-n-octylphthalate	6.000	4.865	18.9	90	-0.09
95	TM	Benzo[b]fluoranthene	6.000	5.570	7.2	100	-0.10
96	TM	Benzo[k]fluoranthene	6.000	6.077	-1.3	115	-0.10
97	TCM	Benzo[a]pyrene	6.000	6.216	-3.6	108	-0.10
98	TM	Indeno(1,2,3-c,d)pyrene	6.000	6.280	-4.7	114	-0.15
99	TM	Dibenzo[a,h]anthracene	6.000	6.153	-2.5	110	-0.15
100	TM	Benzo[g,h,i]perylene	6.000	7.133	-18.9	119	-0.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 08 14:32:39 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MRC 07-12-05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.25	152	229683	4.00 ug/mL	-0.08
18) Naphthalene-D8	8.16	136	907389	4.00 ug/mL	-0.09
33) Acenaphthene-d10	10.92	164	443391	4.00 ug/mL	-0.09
55) Phenanthrene-D10	13.28	188	664443	4.00 ug/mL	-0.09
85) Chrysene-D12	17.51	240	450615	4.00 ug/mL	-0.10
93) Perylene-D12	19.63	264	368497	4.00 ug/mL	-0.10
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	4.52	112	316528m	5.99 ug/mL	-0.09
Spiked Amount 10.000			Recovery	= 59.90%	
17) Phenol-d6 (surr)	5.83	99	447393	5.76 ug/mL	-0.10
Spiked Amount 10.000			Recovery	= 57.60%	
32) Nitrobenzene-d5 (surr)	7.09	128	177401	6.11 ug/mL	-0.09
Spiked Amount 10.000			Recovery	= 61.10%	
53) 2-Fluorobiphenyl (surr)	9.89	172	784741	6.40 ug/mL	-0.09
Spiked Amount 10.000			Recovery	= 64.00%	
54) 2,4,6-Tribromophenol (surr	12.19	330	82323	6.04 ug/mL	-0.10
Spiked Amount 10.000			Recovery	= 60.40%	
92) 4-Terphenyl-d14 (surr)	15.89	244	636612	5.65 ug/mL	-0.10
Spiked Amount 10.000			Recovery	= 56.50%	
Target Compounds					Qvalue
2) Pyridine	2.96	79	275729m	6.18 ug/mL	
3) N-Nitrosodimethylamine	2.98	74	202982	6.11 ug/mL	96
4) Phenol	5.85	94	526304	5.88 ug/mL	99
5) Bis(2-chloroethyl)ether	5.93	93	416007	5.98 ug/mL	97
6) 2-Chlorophenol	5.97	128	422344	5.98 ug/mL	96
7) Benzyl Alcohol	6.51	108	227312	5.09 ug/mL	98
8) 1,3-Dichlorobenzene	6.16	146	473189	6.36 ug/mL	99
9) 1,4-Dichlorobenzene	6.27	146	495891	6.35 ug/mL	99
10) 1,2-Dichlorobenzene	6.49	146	456192	6.55 ug/mL	99
11) 2-Methylphenol	6.71	107	319609	6.11 ug/mL	94
12) 3-, 4-Methylphenol	6.94	107	432660	5.83 ug/mL	98
13) Bis(2-chloroisopropyl)ethe	6.71	45	691370	6.94 ug/mL#	91
14) N-Nitrosodi-n-propylamine	6.91	70	233208	6.47 ug/mL	98
15) Hexachloroethane	6.97	117	174193	7.06 ug/mL	90
19) Nitrobenzene	7.12	77	401938	6.45 ug/mL	97
20) Isophorone	7.50	82	642940	6.59 ug/mL	99
21) 2-Nitrophenol	7.60	139	218855	5.81 ug/mL	95
22) 2,4-Dimethylphenol	7.73	122	325122	5.73 ug/mL	98
23) Benzoic Acid	7.99	122	157166	5.28 ug/mL#	4
24) Bis(2-chloroethoxy)methane	7.86	93	446116	6.19 ug/mL	99

(#) = qualifier out of range (m) = manual integration
0708702.D 8270.M Tue Jul 12 16:50:48 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 08 14:32:39 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	7.99	162	308196	5.97 ug/mL	98
26) 1,2,4-Trichlorobenzene	8.09	180	368895	6.53 ug/mL	97
27) Naphthalene	8.19	128	1169799	6.39 ug/mL	100
28) 4-Chloroaniline	8.42	127	50514m	3.60 ug/mL	
29) Hexachlorobutadiene	8.41	225	192062	6.90 ug/mL	99
30) 4-Chloro-3-methylphenol	9.16	107	321077	6.16 ug/mL	98
31) 2-Methylnaphthalene	9.28	142	870682	6.25 ug/mL	99
34) Hexachlorocyclopentadiene	9.55	237	50866	5.57 ug/mL#	98
35) 2,4,6-Trichlorophenol	9.77	196	229735	6.43 ug/mL	99
36) 2,4,5-Trichlorophenol	9.84	196	242374	6.19 ug/mL	98
37) 2-Chloronaphthalene	10.04	162	681965	6.31 ug/mL	98
38) 2-Nitroaniline	10.27	65	146035	4.98 ug/mL	98
39) 3-Nitroaniline	10.96	138	8089	4.70 ug/mL#	79
40) 1-Methylnaphthalene	9.43	142	819654	6.61 ug/mL	97
41) Dimethylphthalate	10.59	163	791240	6.41 ug/mL	100
42) Acenaphthylene	10.69	152	1058414	6.66 ug/mL	99
43) 2,6-Dinitrotoluene	10.66	165	166621	6.30 ug/mL	93
44) Acenaphthene	10.97	153	710073	6.47 ug/mL	99
45) 2,4-Dinitrophenol	11.11	184	88717	5.96 ug/mL#	77
46) 4-Nitrophenol	11.35	109	46454	4.76 ug/mL#	86
47) Dibenzofuran	11.26	168	986940	6.03 ug/mL	100
48) 2,4-Dinitrotoluene	11.30	165	207940	6.04 ug/mL	93
49) Fluorene	11.80	166	724469	6.04 ug/mL	100
50) Diethylphthalate	11.72	149	803414	6.63 ug/mL	99
51) 4-Chlorophenyl phenyl ethe	11.84	204	348731	6.14 ug/mL	98
52) 4-Nitroaniline	11.97	138	52002m	4.49 ug/mL	
56) 4,6-Dinitro-2-methylphenol	11.95	198	121974	6.52 ug/mL	92
57) Diphenylamine	12.04	169	298440	5.14 ug/mL	98
58) 4-bromophenyl phenyl ether	12.61	248	188497	6.66 ug/mL	96
59) Hexachlorobenzene	12.68	284	208986	7.16 ug/mL	95
60) Pentachlorophenol	13.03	266	92454	5.62 ug/mL	97
61) Phenanthrene	13.32	178	1067100	6.39 ug/mL	99
62) Carbazole	0.00	167	0	N.D. d	
63) Anthracene	13.40	178	1017989	6.35 ug/mL	100
64) Azobenzene	12.09	77	745432	6.57 ug/mL	95
65) Di-n-Butylphthalate	14.35	149	1345242	6.93 ug/mL	100
66) Fluoranthene	15.22	202	1015009	6.59 ug/mL	96
67) alpha-BHC	12.62	183	147034	7.45 ug/mL	99
68) beta-BHC	13.00	181	125855	7.46 ug/mL	96
69) gamma-BHC	13.09	183	128303	7.32 ug/mL	99
70) delta-BHC	13.49	183	117160	7.39 ug/mL	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 08 14:32:39 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

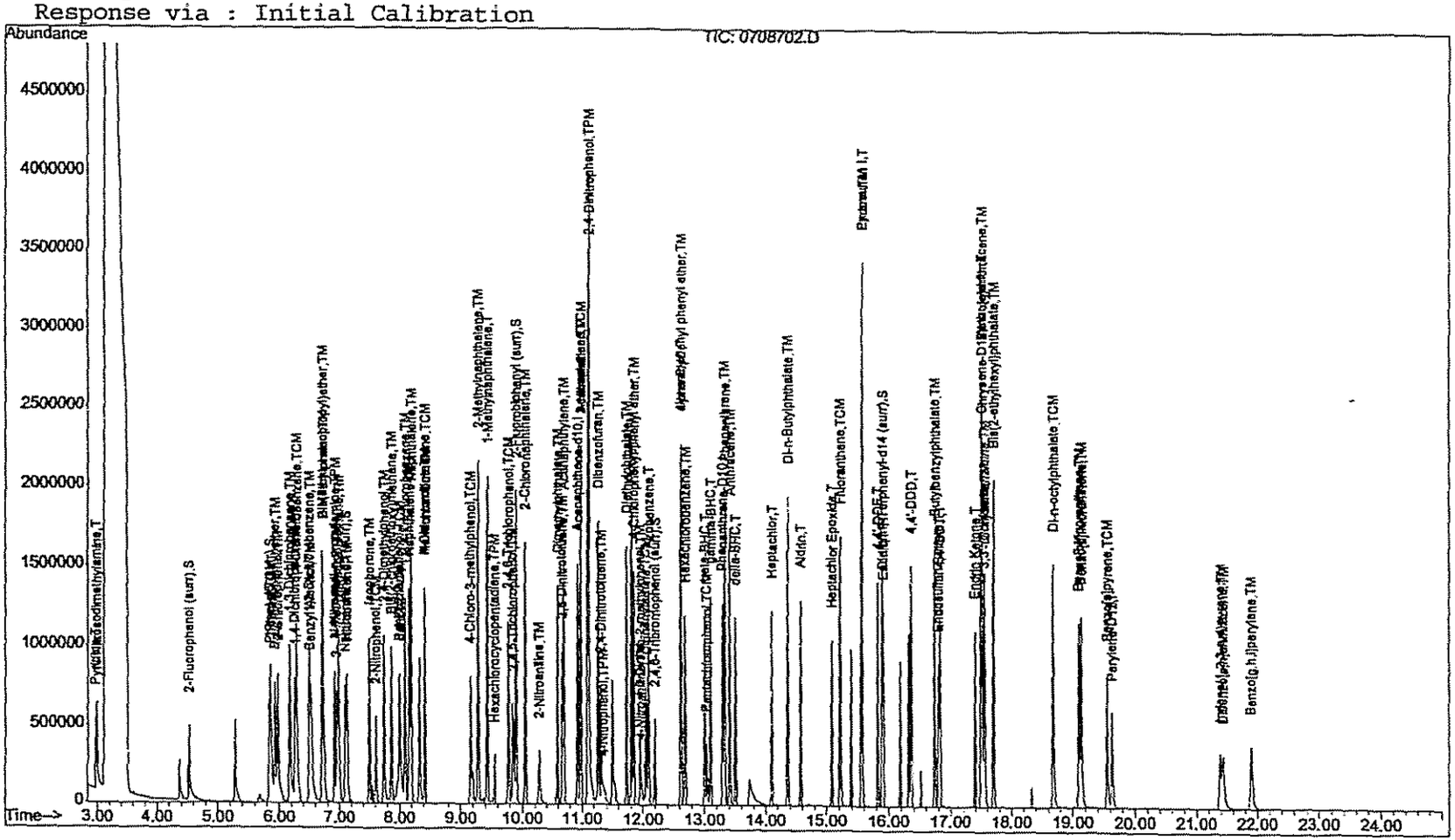
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.09	100	162508	7.99 ug/mL	90
72)	Aldrin	14.57	66	151954	7.29 ug/mL	87
73)	Heptachlor Epoxide	15.09	353	62712	7.33 ug/mL	99
74)	Endosulfan I	15.57	195	39290	7.57 ug/mL	91
75)	4,4'-DDE	15.82	246	227183	7.01 ug/mL	99
76)	Dieldrin	15.91	79	199961	7.26 ug/mL	94
77)	Endrin	15.91	263	37759	7.91 ug/mL	82
78)	Endosulfan II	0.00	35	0	N.D.	
79)	4,4'-DDD	16.36	235	393489	6.62 ug/mL	100
80)	Endosulfan Sulfate	16.80	272	58242	7.60 ug/mL	93
81)	4,4'-DDT	16.82	235	342149	8.34 ug/mL	98
82)	Endrin Aldehyde	0.00	35	0	N.D.	
83)	Endrin Ketone	17.40	317	45141	7.24 ug/mL	100
84)	Methoxychlor	17.49	227	698648	8.93 ug/mL	77
86)	Pyrene	15.57	202	1007237	6.06 ug/mL	95
87)	Butylbenzylphthalate	16.74	149	546554	5.90 ug/mL	95
88)	Benzo[a]anthracene	17.50	228	852595	6.45 ug/mL	97
89)	3,3'-Dichlorobenzidine	17.53	252	54858	4.63 ug/mL#	97
90)	Chrysene	17.55	228	769812	6.23 ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	17.70	149	801111	6.12 ug/mL	98
94)	Di-n-octylphthalate	18.68	149	1216484	4.86 ug/mL	100
95)	Benzo[b]fluoranthene	19.10	252	661604	5.57 ug/mL	98
96)	Benzo[k]fluoranthene	19.14	252	777998	6.08 ug/mL	98
97)	Benzo[a]pyrene	19.55	252	596190	6.22 ug/mL	100
98)	Indeno(1,2,3-c,d)pyrene	21.38	276	357788m	6.28 ug/mL	
99)	Dibenzo[a,h]anthracene	21.43	278	354416	6.15 ug/mL	98
100)	Benzo[g,h,i]perylene	21.90	276	450963	7.13 ug/mL	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:50 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration



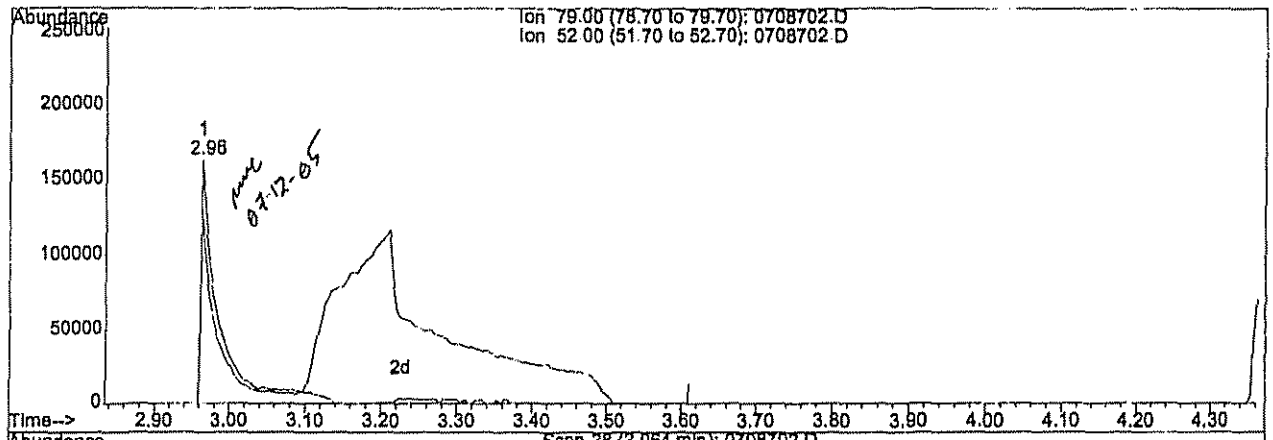
0708702.D 8270.M Tue Jul 12 16:50:50 2005 ENV

Page 4

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:48 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



TIC: 0708702.D

(2) Pyridine (T)

2.96min 6.18ug/mL m

response 275729

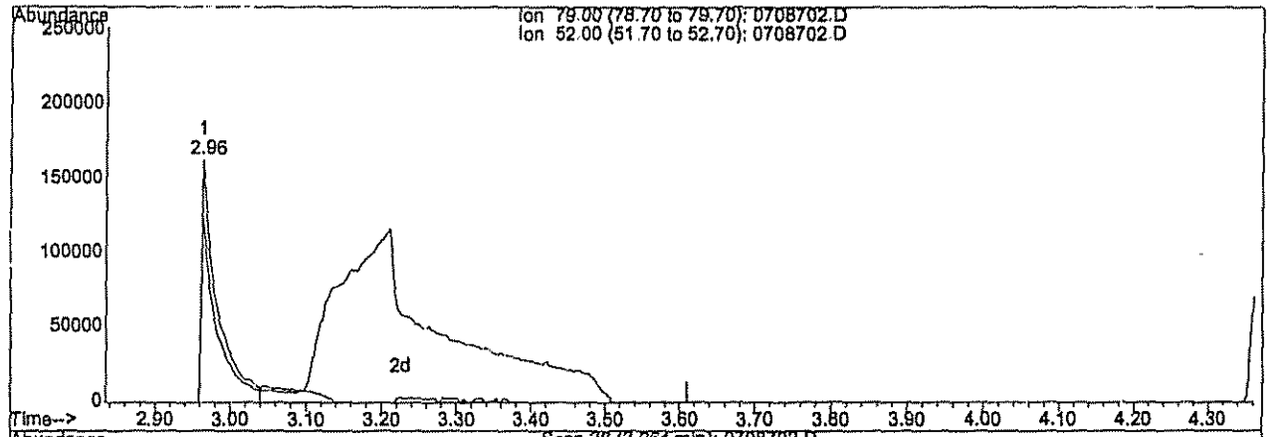
Ion	Exp%	Act%
79.00	100	100
52.00	73.40	69.71
0.00	0.00	0.00
0.00	0.00	0.00

0708702.D 8270.M Tue Jul 12 16:48:49 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 14:32 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(2) Pyridine (T)

2.96min 5.21ug/mL

response 232294

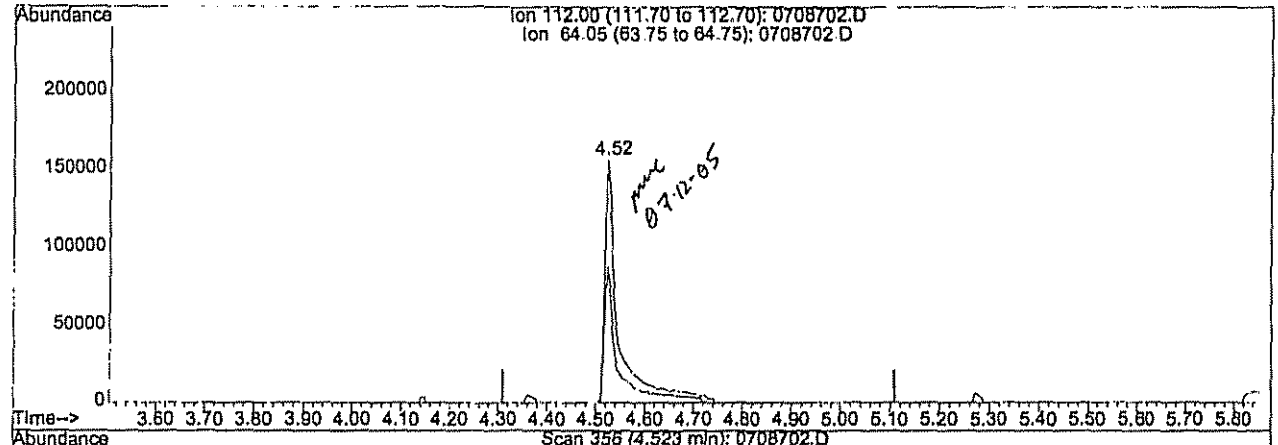
Ion	Exp%	Act%
79.00	100	100
52.00	73.40	82.75
0.00	0.00	0.00
0.00	0.00	0.00

0708702.D 8270.M Tue Jul 12 16:48:44 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:49 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(16) 2-Fluorophenol (surr) (S)

4.52min 5.99ug/mL m

response 316528

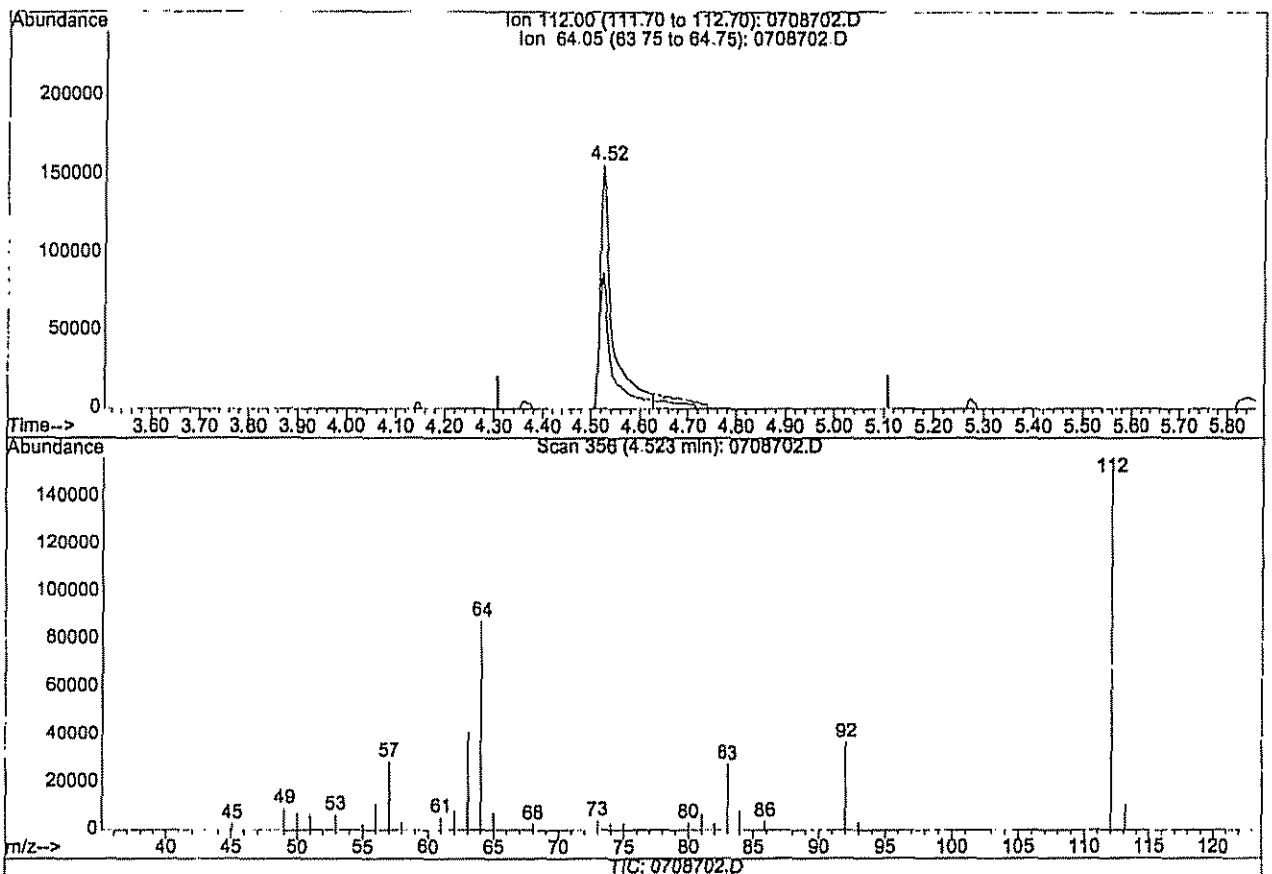
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	46.85
0.00	0.00	0.00
0.00	0.00	0.00

0708702.D 8270.M Tue Jul 12 16:49:02 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:48 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(16) 2-Fluorophenol (surr) (S)

4.52min 5.21ug/mL

response 275534

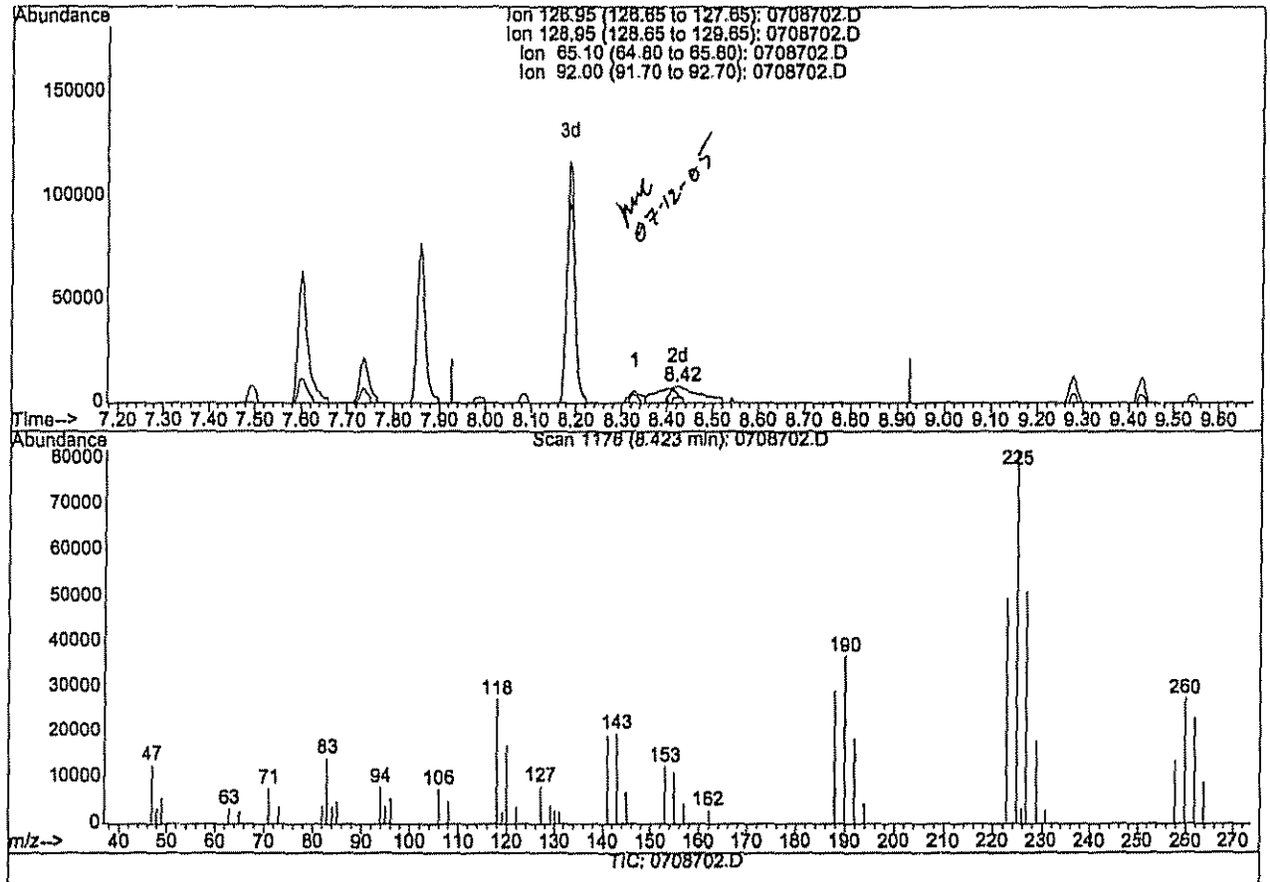
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	53.82
0.00	0.00	0.00
0.00	0.00	0.00

0708702.D 8270.M Tue Jul 12 16:48:58 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:49 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(28) 4-Chloroaniline (TM)

8.42min 3.60ug/mL m

response 50514

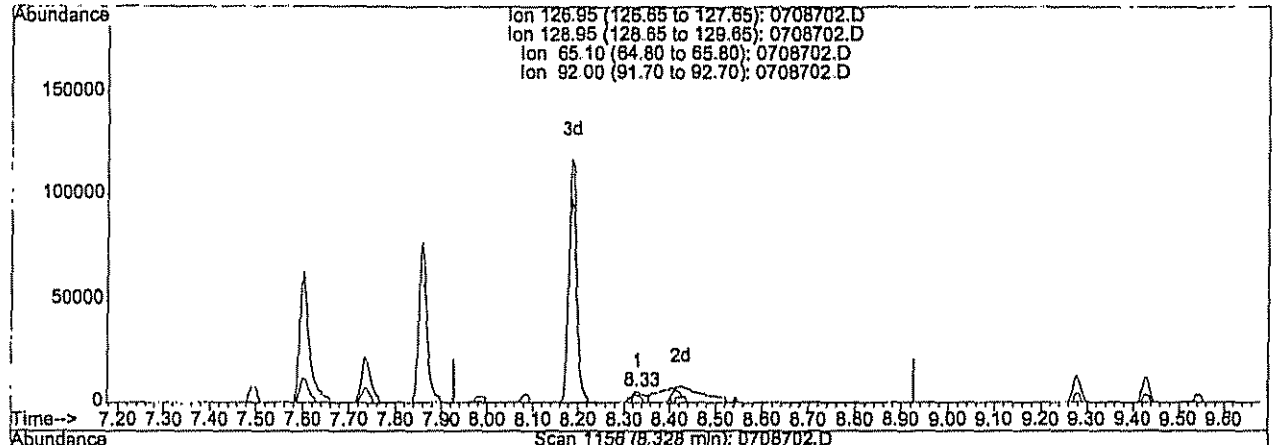
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	49.53#
65.10	28.40	33.53
92.00	16.90	0.00#

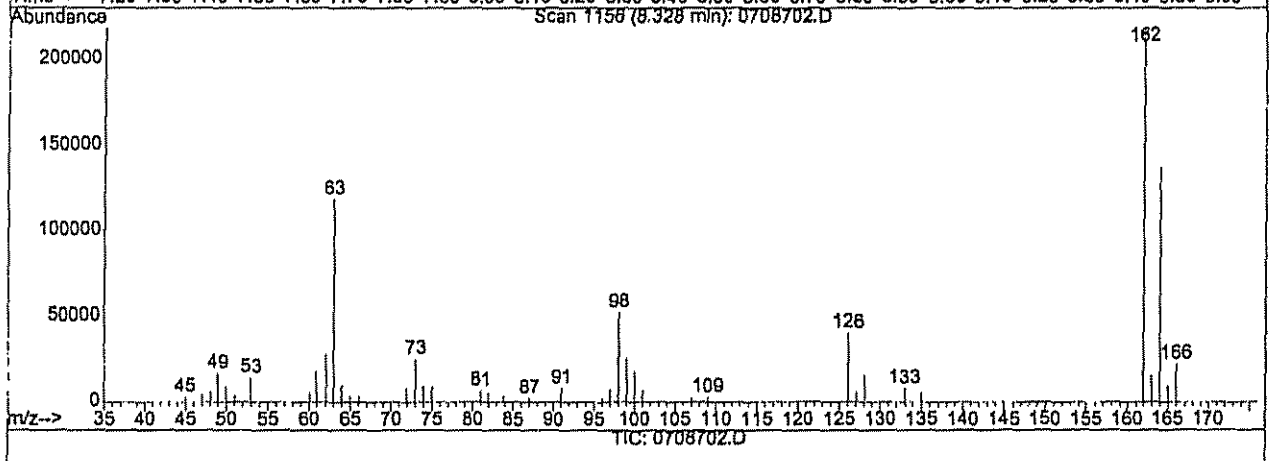
0708702.D 8270.M Tue Jul 12 16:49:18 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:49 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration





TIC: 0708702.D

(28) 4-Chloroaniline (TM)

8.33min 1.54ug/mL

response 11250

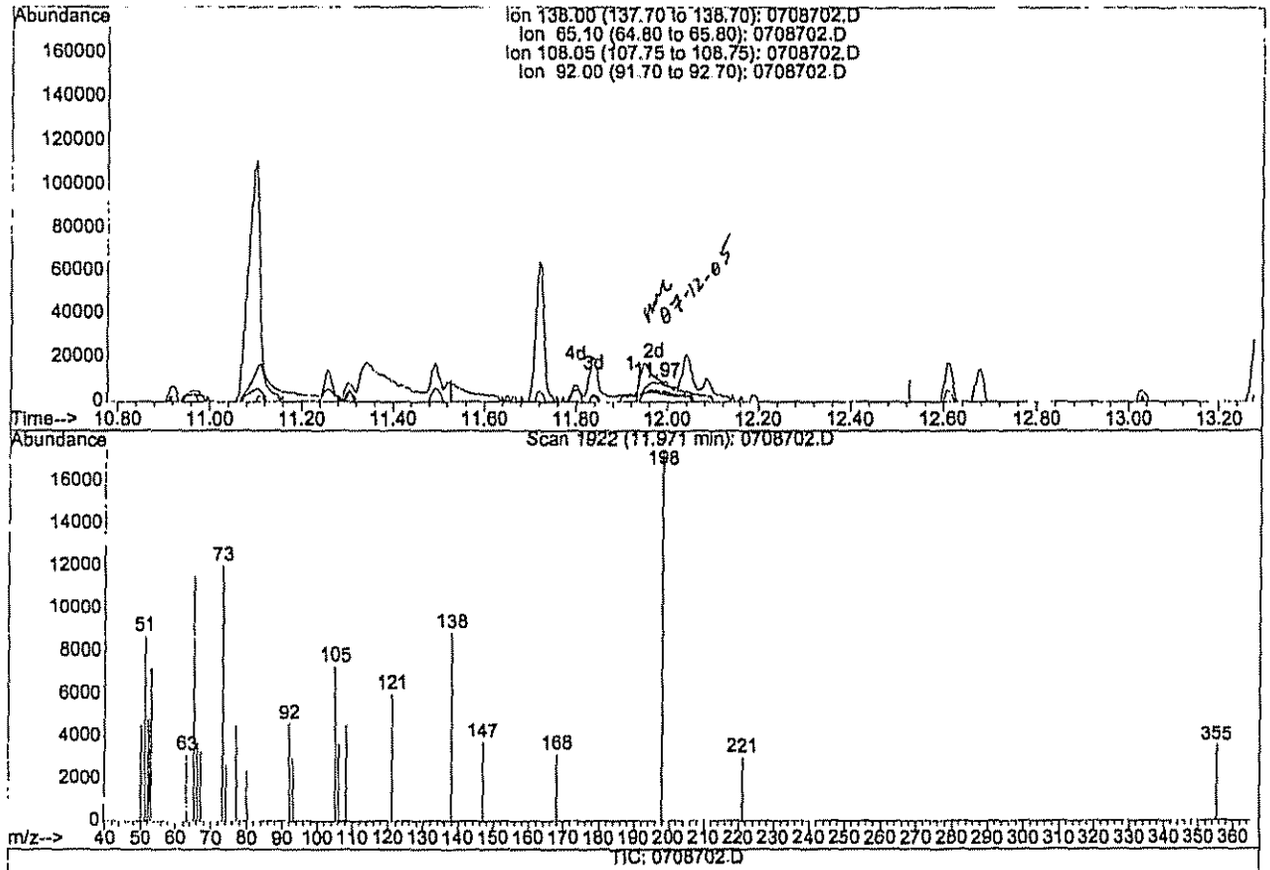
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	0.00#
65.10	28.40	64.20#
92.00	16.90	0.00#

0708702.D 8270.M Tue Jul 12 16:49:13 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:49 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(52) 4-Nitroaniline (TM)

11.97min 4.49ug/mL m

response 52002

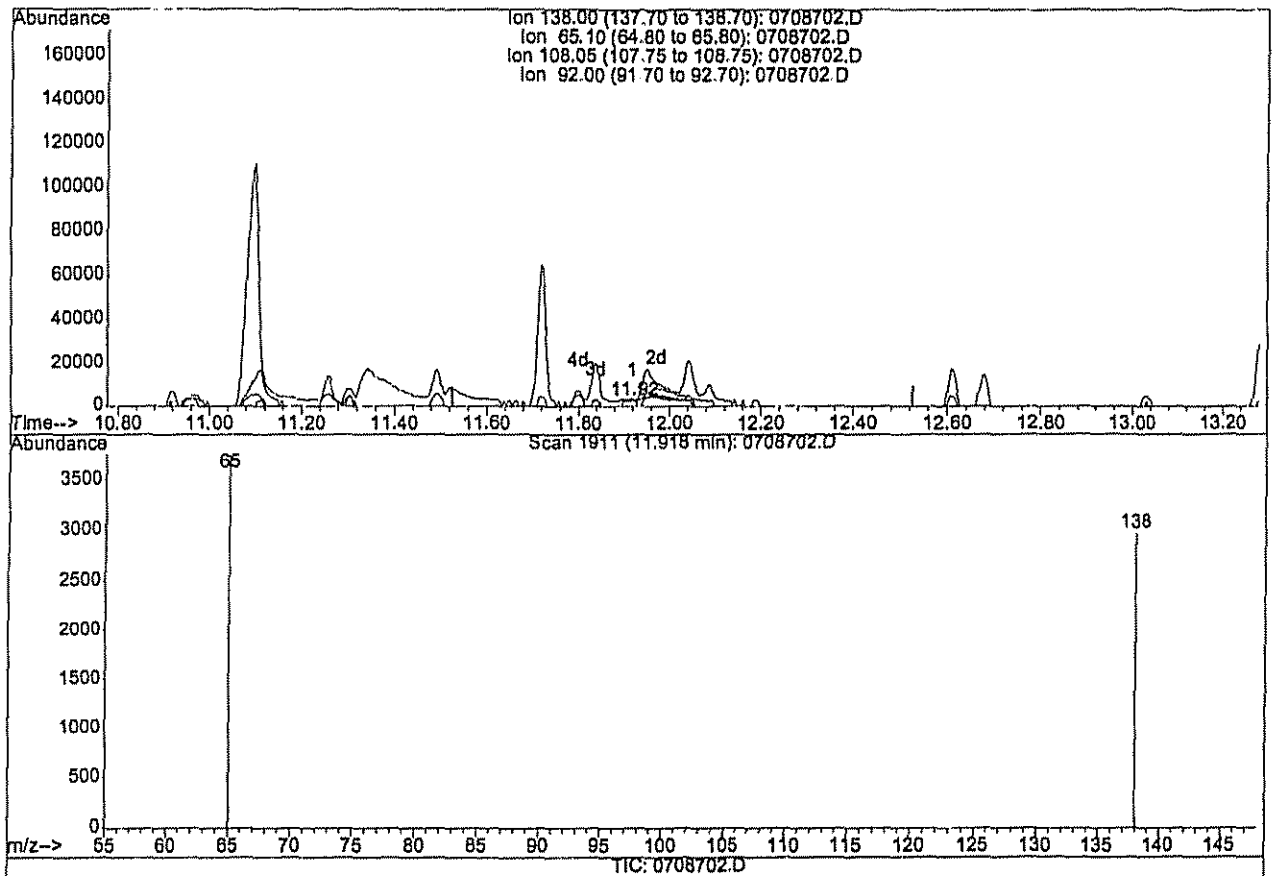
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	130.28#
108.05	58.50	51.76
92.00	43.90	52.54

0708702.D 8270.M Tue Jul 12 16:49:37 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:49 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(52) 4-Nitroaniline (TM)

11.92min 1.09ug/mL

response 5224

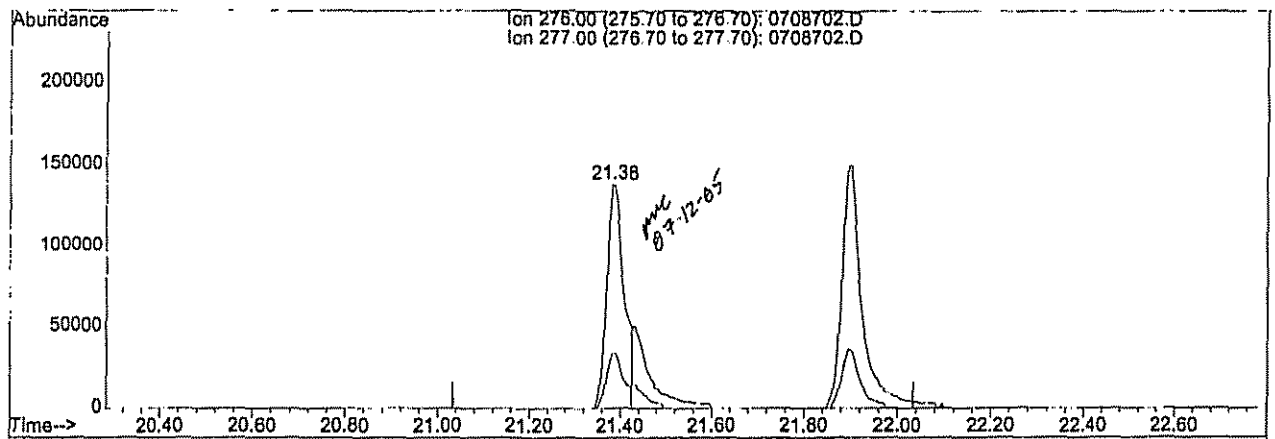
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	33.76#
108.05	58.50	0.00#
92.00	43.90	0.00#

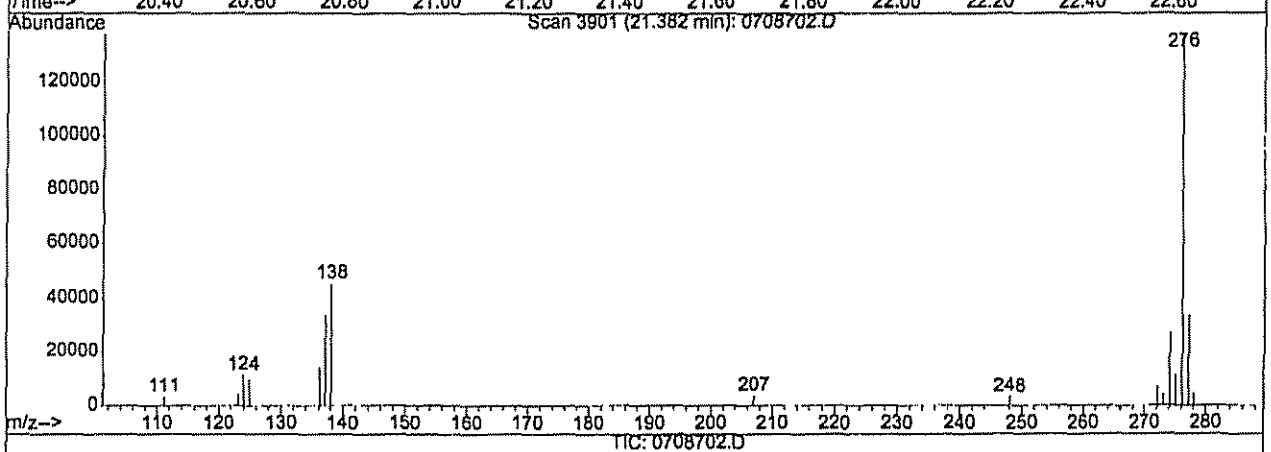
0708702.D 8270.M Tue Jul 12 16:49:33 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:50 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration





TIC: 0708702.D

(98) Indeno(1,2,3-c,d)pyrene (TM)

21.38min 6.28ug/mL m

response 357788

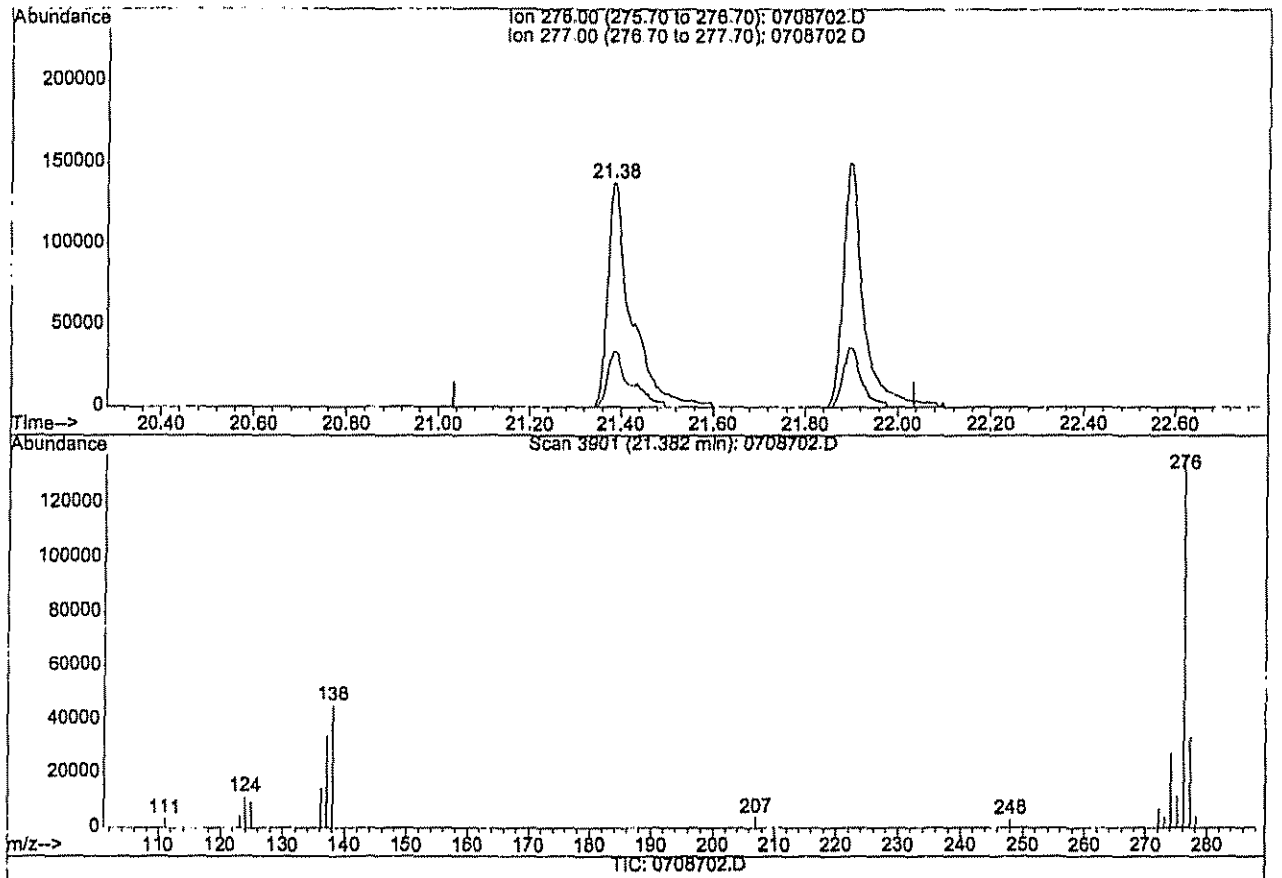
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	24.26
0.00	0.00	0.00
0.00	0.00	0.00

0708702.D 8270.M Tue Jul 12 16:50:11 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708702.D Vial: 2
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:49 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.38min 8.12ug/mL

response 491272

Ion	Exp%	Act%
276.00	100	100
277.00	23.30	24.26
0.00	0.00	0.00
0.00	0.00	0.00

0708702.D 8270.M Tue Jul 12 16:50:06 2005 ENV

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\7071105\0711702.D Vial: 2
Acq On : 11 Jul 2005 3:23 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\DATA\7071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	112	-0.08
2	T	Pyridine	0.777	0.757	2.6	107	-0.13
3	T	N-Nitrosodimethylamine	0.579	0.615	-6.2	112	-0.17
4	TCM	Phenol	1.560	1.391	10.8	92	-0.10
5	TM	Bis(2-chloroethyl)ether	1.212	1.287	-6.2	117	-0.10
6	TM	2-Chlorophenol	1.231	1.264	-2.7	110	-0.08
7	TM	Benzyl Alcohol	0.733	0.740	-1.0	102	-0.10
8	TM	1,3-Dichlorobenzene	1.295	1.374	-6.1	112	-0.09
9	TCM	1,4-Dichlorobenzene	1.361	1.435	-5.4	112	-0.09
10	TM	1,2-Dichlorobenzene	1.214	1.311	-8.0	114	-0.08
11	TM	2-Methylphenol	0.911	0.973	-6.8	108	-0.09
12	TM	3-, 4-Methylphenol	1.293	1.300	-0.5	105	-0.10
13	TM	Bis(2-chloroisopropyl)ether	1.735	2.018	-16.3	121	-0.07
14	TPM	N-Nitrosodi-n-propylamine	0.628	0.714	-13.7	120	-0.10
15	TM	Hexachloroethane	0.430	0.507	-17.9	121	-0.09
16	S	2-Fluorophenol (surr)	0.921	0.950	-3.1	107	-0.09
17	S	Phenol-d6 (surr)	1.354	1.344	0.7	104	-0.10
18	I	Naphthalene-D8	1.000	1.000	0.0	110	-0.09
19	TM	Nitrobenzene	0.275	0.297	-8.0	111	-0.10
20	TM	Isophorone	0.430	0.473	-10.0	118	-0.10
21	TCM	2-Nitrophenol	0.166	0.168	-1.2	102	-0.09
22	TM	2,4-Dimethylphenol	0.250	0.249	0.4	101	-0.10
23	T	Benzoic Acid	0.141	0.107	24.1#	83	-0.19
24	TM	Bis(2-chloroethoxy)methane	0.318	0.340	-6.9	110	-0.10
25	TCM	2,4-Dichlorophenol	0.228	0.230	-0.9	100	-0.09
26	TM	1,2,4-Trichlorobenzene	0.249	0.271	-8.8	113	-0.09
27	TM	Naphthalene	0.806	0.859	-6.6	110	-0.10
28	TM	4-Chloroaniline	0.091	0.055	39.6#	85	0.00
29	TCM	Hexachlorobutadiene	0.123	0.137	-11.4	116	-0.09
30	TCM	4-Chloro-3-methylphenol	0.230	0.238	-3.5	105	-0.08
31	TM	2-Methylnaphthalene	0.614	0.640	-4.2	107	-0.09
32	S	Nitrobenzene-d5 (surr)	0.128	0.133	-3.9	107	-0.09
33	I	Acenaphthene-d10	1.000	1.000	0.0	110	-0.09
34	TPM	Hexachlorocyclopentadiene	0.072	0.075	-4.2	102	-0.08
35	TCM	2,4,6-Trichlorophenol	0.323	0.334	-3.4	105	-0.09
36	TM	2,4,5-Trichlorophenol	0.353	0.340	3.7	94	-0.07
37	TM	2-Chloronaphthalene	0.975	1.020	-4.6	107	-0.10
38	TM	2-Nitroaniline	0.265	0.235	11.3	94	-0.09
39	TM	3-Nitroaniline	0.056	0.012	78.6#	51	-0.07

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\7071105\0711702.D Vial: 2
Acq On : 11 Jul 2005 3:23 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\DATA\7071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	T	1-Methylnaphthalene	1.119	1.204	-7.6	109	-0.09
41	TM	Dimethylphthalate	1.113	1.188	-6.7	111	-0.10
42	TM	Acenaphthylene	1.434	1.586	-10.6	110	-0.09
43	TM	2,6-Dinitrotoluene	0.239	0.252	-5.4	105	-0.10
44	TCM	Acenaphthene	0.990	1.066	-7.7	110	-0.10
45	TPM	2,4-Dinitrophenol	0.134	0.140	-4.5	106	-0.10
46	TPM	4-Nitrophenol	0.091	0.069	24.2#	80	-0.05
47	TM	Dibenzofuran	1.477	1.479	-0.1	102	-0.10
48	TM	2,4-Dinitrotoluene	0.311	0.318	-2.3	104	-0.10
49	TM	Fluorene	1.081	1.105	-2.2	104	-0.10
50	TM	Diethylphthalate	1.094	1.178	-7.7	110	-0.10
51	TM	4-Chlorophenyl phenyl ether	0.513	0.518	-1.0	104	-0.09
52	TM	4-Nitroaniline	0.107	0.080	25.2#	75	-0.05
53	S	2-Fluorobiphenyl (surr)	1.106	1.170	-5.8	107	-0.09
54	S	2,4,6-Tribromophenol (surr)	0.123	0.124	-0.8	102	-0.10
55	I	Phenanthrene-D10	1.000	1.000	0.0	103	-0.09
56	TM	4,6-Dinitro-2-methylphenol	0.102	0.126	-23.5#	111	-0.10
57	TCM	Diphenylamine	0.350	0.317	9.4	100	-0.10
58	TM	4-bromophenyl phenyl ether	0.170	0.192	-12.9	104	-0.10
59	TM	Hexachlorobenzene	0.176	0.204	-15.9	112	-0.10
60	TCM	Pentachlorophenol	0.095	0.094	1.1	99	-0.09
61	TM	Phenanthrene	1.006	1.079	-7.3	103	-0.10
62	TM	Carbazole	0.388	0.000#	100.0#	0#	-13.79#
63	TM	Anthracene	0.966	0.993	-2.8	97	-0.10
64	T	Azobenzene	0.683	0.742	-8.6	105	-0.10
65	TM	Di-n-Butylphthalate	1.169	1.338	-14.5	108	-0.09
66	TCM	Fluoranthene	0.927	1.028	-10.9	105	-0.10
67	T	alpha-BHC	0.119	0.144	-21.0#	115	-0.10
68	T	beta-BHC	0.102	0.124	-21.6#	115	-0.10
69	T	gamma-BHC	0.106	0.126	-18.9	116	-0.10
70	T	delta-BHC	0.095	0.115	-21.1#	113	-0.09
71	T	Heptachlor	0.122	0.154	-26.2#	115	-0.09
72	T	Aldrin	0.125	0.148	-18.4	116	-0.09
73	T	Heptachlor Epoxide	0.052	0.060	-15.4	112	-0.09
74	T	Endosulfan I	0.031	0.038	-22.6#	111	-0.10
75	T	4,4'-DDE	0.195	0.222	-13.8	108	-0.10
76	T	Dieldrin	0.166	0.194	-16.9	113	-0.10
77	T	Endrin	0.029	0.037	-27.6#	117	-0.10
78	T	Endosulfan II	0.000	0.000#	0.0	0#	-18.31#
79	T	4,4'-DDD	0.358	0.394	-10.1	105	-0.10

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\7071105\0711702.D Vial: 2
Acq On : 11 Jul 2005 3:23 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\DATA\7071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	T	Endosulfan Sulfate	0.046	0.055	-19.6	108	-0.10
81	T	4,4'-DDT	0.247	0.323	-30.8#	117	-0.10
82	T	Endrin Aldehyde	0.000	0.000#	0.0	0#	-18.29#
83	T	Endrin Ketone	0.038	0.041	-7.9	105	-0.10
84	T	Methoxychlor	0.471	0.650	-38.0#	121	-0.10
85	I	Chrysene-D12	1.000	1.000	0.0	112	-0.10
86	TM	Pyrene	1.476	1.508	-2.2	108	-0.11
87	TM	Butylbenzylphthalate	0.822	0.801	2.6	105	-0.10
88	TM	Benzo[a]anthracene	1.173	1.248	-6.4	113	-0.10
89	TM	3,3'-Dichlorobenzidine	0.131	0.082	37.4#	65	-0.08
90	TM	Chrysene	1.098	1.127	-2.6	110	-0.10
91	TM	Bis(2-ethylhexyl)phthalate	1.163	1.105	5.0	102	-0.09
92	S	4-Terphenyl-d14 (surr)	1.000	0.963	3.7	102	-0.10
93	I	Perylene-D12	1.000	1.000	0.0	109	-0.10
94	TCM	Di-n-octylphthalate	2.715	2.404	11.5	97	-0.09
95	TM	Benzo[b]fluoranthene	1.289	1.236	4.1	101	-0.10
96	TM	Benzo[k]fluoranthene	1.390	1.533	-10.3	123	-0.10
97	TCM	Benzo[a]pyrene	1.041	1.049	-0.8	104	-0.10
98	TM	Indeno(1,2,3-c,d)pyrene	0.595	0.510	14.3	88	-0.15
99	TM	Dibenzo[a,h]anthracene	0.583	0.528	9.4	89	-0.15
100	TM	Benzo[g,h,i]perylene	0.686	0.653	4.8	94	-0.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0
0711702.D 8270.M Wed Jul 13 10:22:41 2005 ENV Page 3

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071105\0711702.D Vial: 2
Acq On : 11 Jul 2005 3:23 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 15:48:32 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

pmc 07-13-05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.25	152	253855	4.00 ug/mL	-0.08
18) Naphthalene-D8	8.16	136	1008002	4.00 ug/mL	-0.09
33) Acenaphthene-d10	10.92	164	497103	4.00 ug/mL	-0.09
55) Phenanthrene-D10	13.28	188	751056	4.00 ug/mL	-0.09
85) Chrysene-D12	17.51	240	512911	4.00 ug/mL	-0.10
93) Perylene-D12	19.63	264	363259	4.00 ug/mL	-0.10
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	4.52	112	361870	6.19 ug/mL	-0.09
Spiked Amount 10.000			Recovery	= 61.90%	
17) Phenol-d6 (surr)	5.83	99	511951	5.96 ug/mL	-0.10
Spiked Amount 10.000			Recovery	= 59.60%	
32) Nitrobenzene-d5 (surr)	7.09	128	201076	6.23 ug/mL	-0.09
Spiked Amount 10.000			Recovery	= 62.30%	
53) 2-Fluorobiphenyl (surr)	9.89	172	872410	6.35 ug/mL	-0.09
Spiked Amount 10.000			Recovery	= 63.50%	
54) 2,4,6-Tribromophenol (surr	12.19	330	92555	6.06 ug/mL	-0.10
Spiked Amount 10.000			Recovery	= 60.60%	
92) 4-Terphenyl-d14 (surr)	15.89	244	741043	5.78 ug/mL	-0.10
Spiked Amount 10.000			Recovery	= 57.80%	
Target Compounds					Qvalue
2) Pyridine	2.98	79	288328	5.85 ug/mL	84
3) N-Nitrosodimethylamine	3.00	74	234030	6.37 ug/mL	95
4) Phenol	5.85	94	529777	5.35 ug/mL	99
5) Bis(2-chloroethyl)ether	5.93	93	490202	6.37 ug/mL	96
6) 2-Chlorophenol	5.97	128	481404	6.16 ug/mL	99
7) Benzyl Alcohol	6.51	108	281760	5.68 ug/mL	98
8) 1,3-Dichlorobenzene	6.16	146	523358	6.37 ug/mL	99
9) 1,4-Dichlorobenzene	6.27	146	546589	6.33 ug/mL	99
10) 1,2-Dichlorobenzene	6.49	146	499193	6.48 ug/mL	99
11) 2-Methylphenol	6.71	107	370370	6.40 ug/mL	95
12) 3-, 4-Methylphenol	6.94	107	495120	6.04 ug/mL	98
13) Bis(2-chloroisopropyl)ethe	6.71	45	768561	6.98 ug/mL	95
14) N-Nitrosodi-n-propylamine	6.91	70	271760	6.82 ug/mL	97
15) Hexachloroethane	6.97	117	193015	7.08 ug/mL	89
19) Nitrobenzene	7.12	77	449611	6.49 ug/mL	97
20) Isophorone	7.50	82	714586	6.60 ug/mL	100
21) 2-Nitrophenol	7.60	139	254465	6.08 ug/mL	96
22) 2,4-Dimethylphenol	7.73	122	377203	5.98 ug/mL	99
23) Benzoic Acid	8.00	122	161111	5.00 ug/mL#	1
24) Bis(2-chloroethoxy)methane	7.86	93	514101	6.42 ug/mL	99

(#) = qualifier out of range (m) = manual integration
0711702.D 8270.M Wed Jul 13 10:23:01 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071105\0711702.D Vial: 2
Acq On : 11 Jul 2005 3:23 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 15:48:32 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25)	2,4-Dichlorophenol	7.99	162	347776	6.06 ug/mL	97
26)	1,2,4-Trichlorobenzene	8.09	180	409196	6.52 ug/mL	97
27)	Naphthalene	8.18	128	1298761	6.39 ug/mL	99
28)	4-Chloroaniline	8.43	127	82426m	4.62 ug/mL	
29)	Hexachlorobutadiene	8.41	225	207421	6.70 ug/mL	99
30)	4-Chloro-3-methylphenol	9.16	107	360250	6.22 ug/mL	99
31)	2-Methylnaphthalene	9.28	142	968098	6.26 ug/mL	98
34)	Hexachlorocyclopentadiene	9.55	237	55678	5.46 ug/mL	99
35)	2,4,6-Trichlorophenol	9.77	196	249176	6.22 ug/mL	99
36)	2,4,5-Trichlorophenol	9.84	196	253232	5.77 ug/mL	99
37)	2-Chloronaphthalene	10.04	162	760290	6.28 ug/mL	98
38)	2-Nitroaniline	10.27	65	175354	5.33 ug/mL	93
39)	3-Nitroaniline	10.97	138	8928	4.69 ug/mL#	75
40)	1-Methylnaphthalene	9.43	142	898123	6.46 ug/mL	100
41)	Dimethylphthalate	10.59	163	885645	6.40 ug/mL	100
42)	Acenaphthylene	10.69	152	1182727	6.64 ug/mL	99
43)	2,6-Dinitrotoluene	10.66	165	187790	6.33 ug/mL	94
44)	Acenaphthene	10.97	153	795075	6.46 ug/mL	100
45)	2,4-Dinitrophenol	11.11	184	104267	6.25 ug/mL#	84
46)	4-Nitrophenol	11.34	109	51370	4.71 ug/mL#	86
47)	Dibenzofuran	11.26	168	1102990	6.01 ug/mL	99
48)	2,4-Dinitrotoluene	11.30	165	237240	6.14 ug/mL	95
49)	Fluorene	11.80	166	824243	6.13 ug/mL	100
50)	Diethylphthalate	11.72	149	878689	6.47 ug/mL	99
51)	4-Chlorophenyl phenyl ethe	11.84	204	386544	6.07 ug/mL	98
52)	4-Nitroaniline	11.98	138	59951m	4.59 ug/mL	
56)	4,6-Dinitro-2-methylphenol	11.95	198	142064	6.72 ug/mL	93
57)	Diphenylamine	12.04	169	357644	5.45 ug/mL	97
58)	4-bromophenyl phenyl ether	12.61	248	216674	6.78 ug/mL	99
59)	Hexachlorobenzene	12.68	284	230316	6.98 ug/mL	95
60)	Pentachlorophenol	13.03	266	105842	5.68 ug/mL	99
61)	Phenanthrene	13.32	178	1216102	6.44 ug/mL	99
62)	Carbazole	0.00	167	0	N.D. d	
63)	Anthracene	13.40	178	1118903	6.17 ug/mL	99
64)	Azobenzene	12.08	77	835533	6.51 ug/mL	95
65)	Di-n-Butylphthalate	14.35	149	1507546	6.87 ug/mL	99
66)	Fluoranthene	15.22	202	1158108	6.65 ug/mL	96
67)	alpha-BHC	12.62	183	161910	7.25 ug/mL	98
68)	beta-BHC	13.00	181	140034	7.35 ug/mL	96
69)	gamma-BHC	13.09	183	142346	7.18 ug/mL	98
70)	delta-BHC	13.49	183	129975	7.26 ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071105\0711702.D Vial: 2
Acq On : 11 Jul 2005 3:23 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 15:48:32 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.09	100	173146	7.53 ug/mL	92
72)	Aldrin	14.57	66	166604	7.07 ug/mL	88
73)	Heptachlor Epoxide	15.09	353	67917	7.02 ug/mL	99
74)	Endosulfan I	15.57	195	42950	7.32 ug/mL	90
75)	4,4'-DDE	15.82	246	250042	6.83 ug/mL	99
76)	Dieldrin	15.91	79	218577	7.02 ug/mL	95
77)	Endrin	15.91	263	41370	7.66 ug/mL	84
78)	Endosulfan II	0.00	35	0	N.D.	
79)	4,4'-DDD	16.36	235	443447	6.60 ug/mL	100
80)	Endosulfan Sulfate	16.80	272	62477	7.22 ug/mL	90
81)	4,4'-DDT	16.82	235	364396	7.86 ug/mL	99
82)	Endrin Aldehyde	0.00	35	0	N.D.	
83)	Endrin Ketone	17.40	317	46618	6.62 ug/mL	98
84)	Methoxychlor	17.49	227	732253	8.28 ug/mL	84
86)	Pyrene	15.57	202	1159946	6.13 ug/mL	96
87)	Butylbenzylphthalate	16.74	149	616091	5.84 ug/mL	97
88)	Benzo[a]anthracene	17.50	228	960440	6.39 ug/mL	98
89)	3,3'-Dichlorobenzidine	17.53	252	62923	4.64 ug/mL#	98
90)	Chrysene	17.55	228	866939	6.16 ug/mL	98
91)	Bis(2-ethylhexyl)phthalate	17.70	149	850067	5.70 ug/mL	99
94)	Di-n-octylphthalate	18.68	149	1309970	5.31 ug/mL	100
95)	Benzo[b]fluoranthene	19.10	252	673650	5.75 ug/mL	100
96)	Benzo[k]fluoranthene	19.14	252	835262	6.62 ug/mL	97
97)	Benzo[a]pyrene	19.55	252	571510	6.04 ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	21.39	276	277825m	5.23 ug/mL	
99)	Dibenzo[a,h]anthracene	21.44	278	287545	5.25 ug/mL	97
100)	Benzo[g,h,i]perylene	21.90	276	355623	5.71 ug/mL	98

(#) = qualifier out of range (m) = manual integration

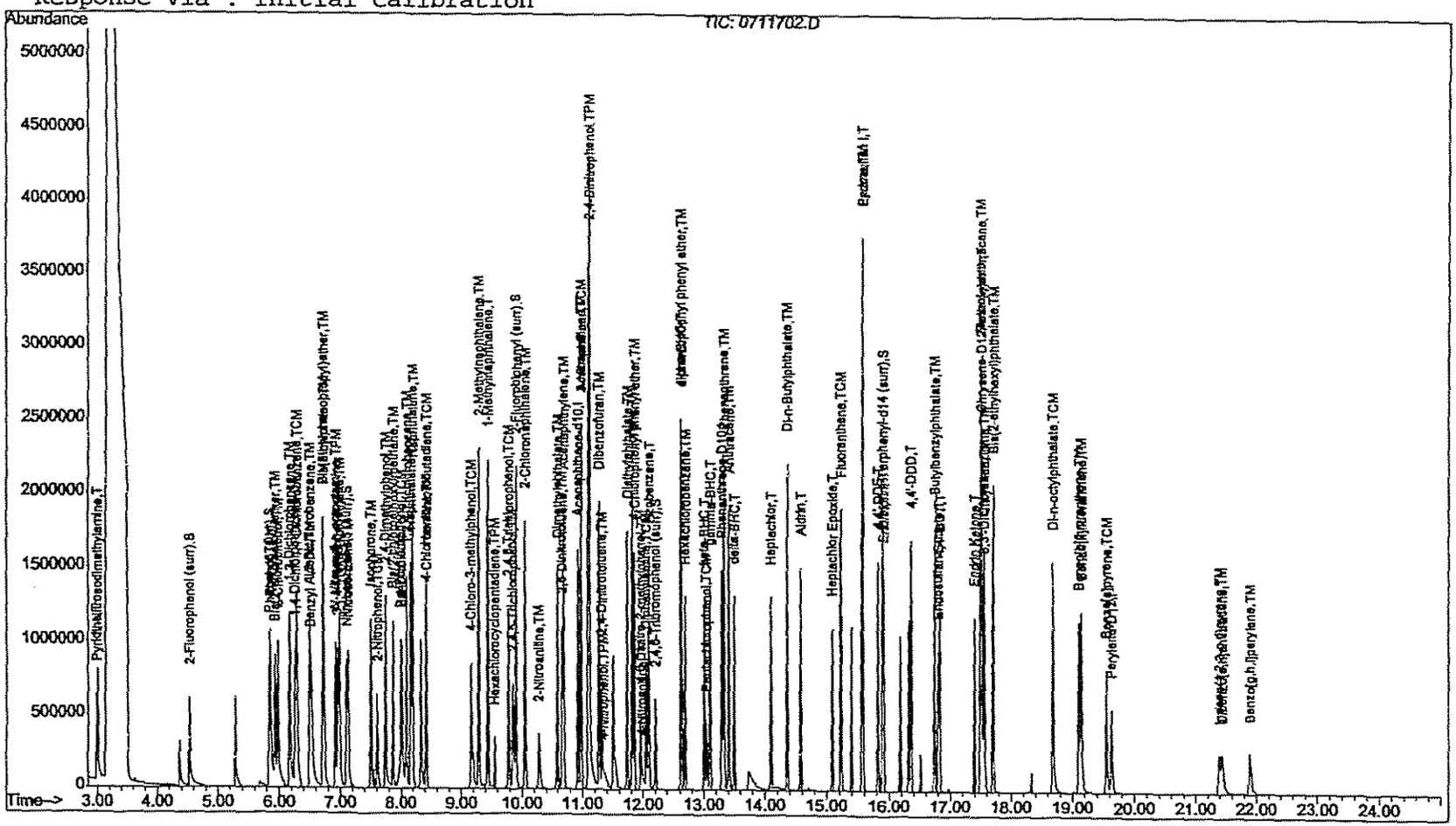
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071105\0711702.D
Acq On : 11 Jul 2005 3:23 pm
Sample : SVCVS6
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 13 10:22 2005

Vial: 2
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration



0711702.D 8270.M Wed Jul 13 10:23:04 2005 ENV

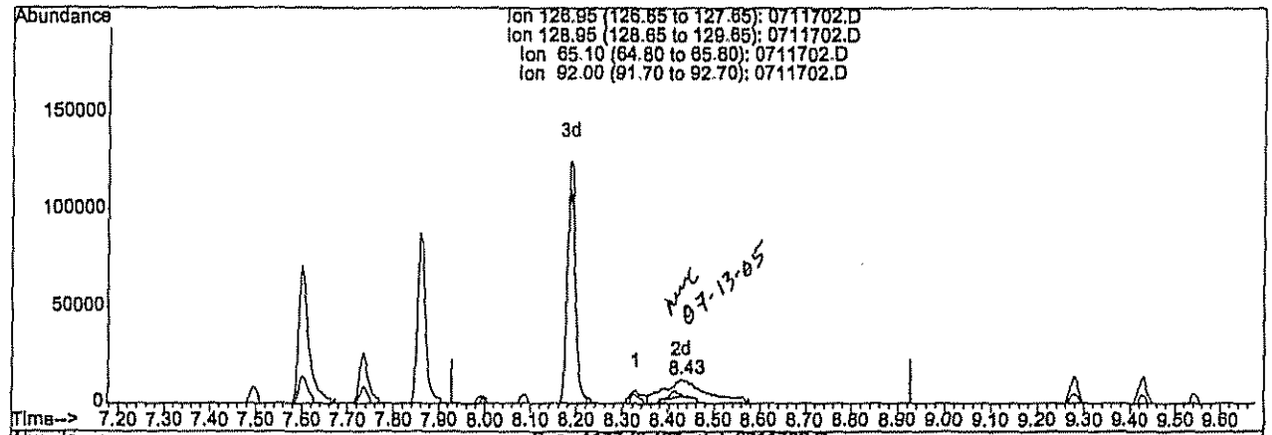
N.C. CERTIFICATION #481

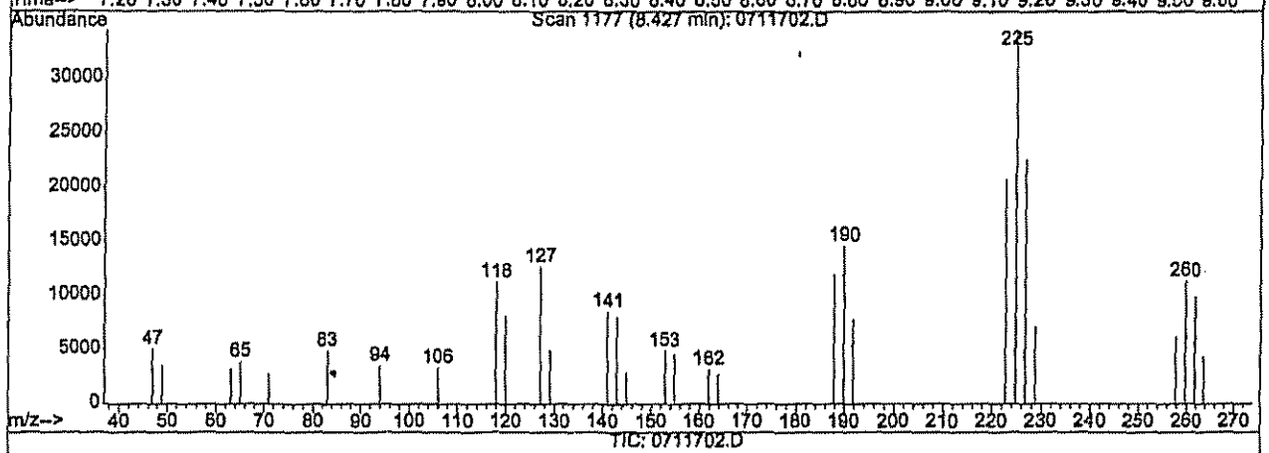
PARADIGM ANALYTICAL LABORATORIES, INC.

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071105\0711702.D Vial: 2
Acq On : 11 Jul 2005 3:23 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 10:21 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration





(28) 4-Chloroaniline (TM)

8.43min 4.62ug/mL m

response 82428

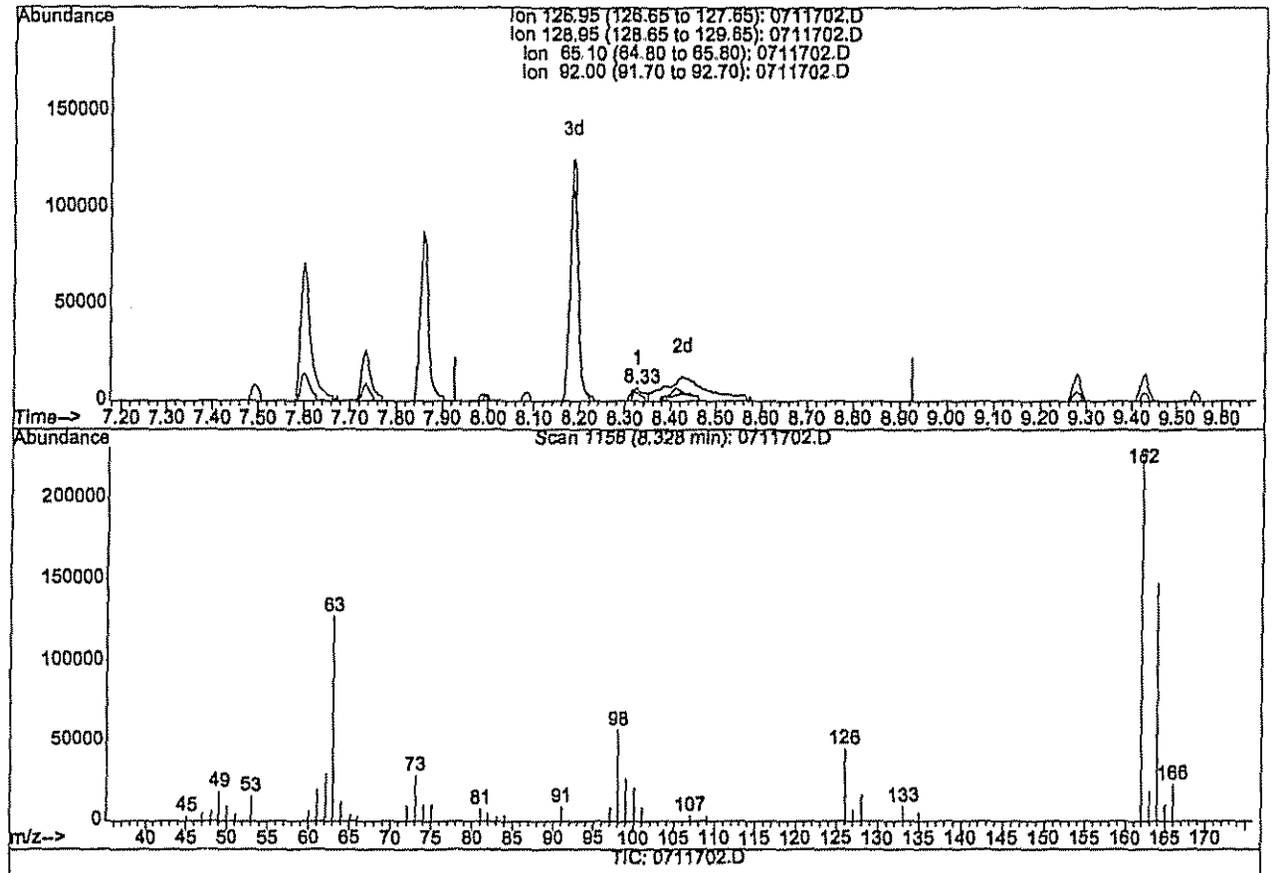
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	39.26#
65.10	28.40	30.27
92.00	16.90	0.00#

0711702.D 8270.M Wed Jul 13 10:21:40 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071105\0711702.D Vial: 2
Acq On : 11 Jul 2005 3:23 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 15:48 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(28) 4-Chloroaniline (TM)

8.33min 1.60ug/mL

response 13638

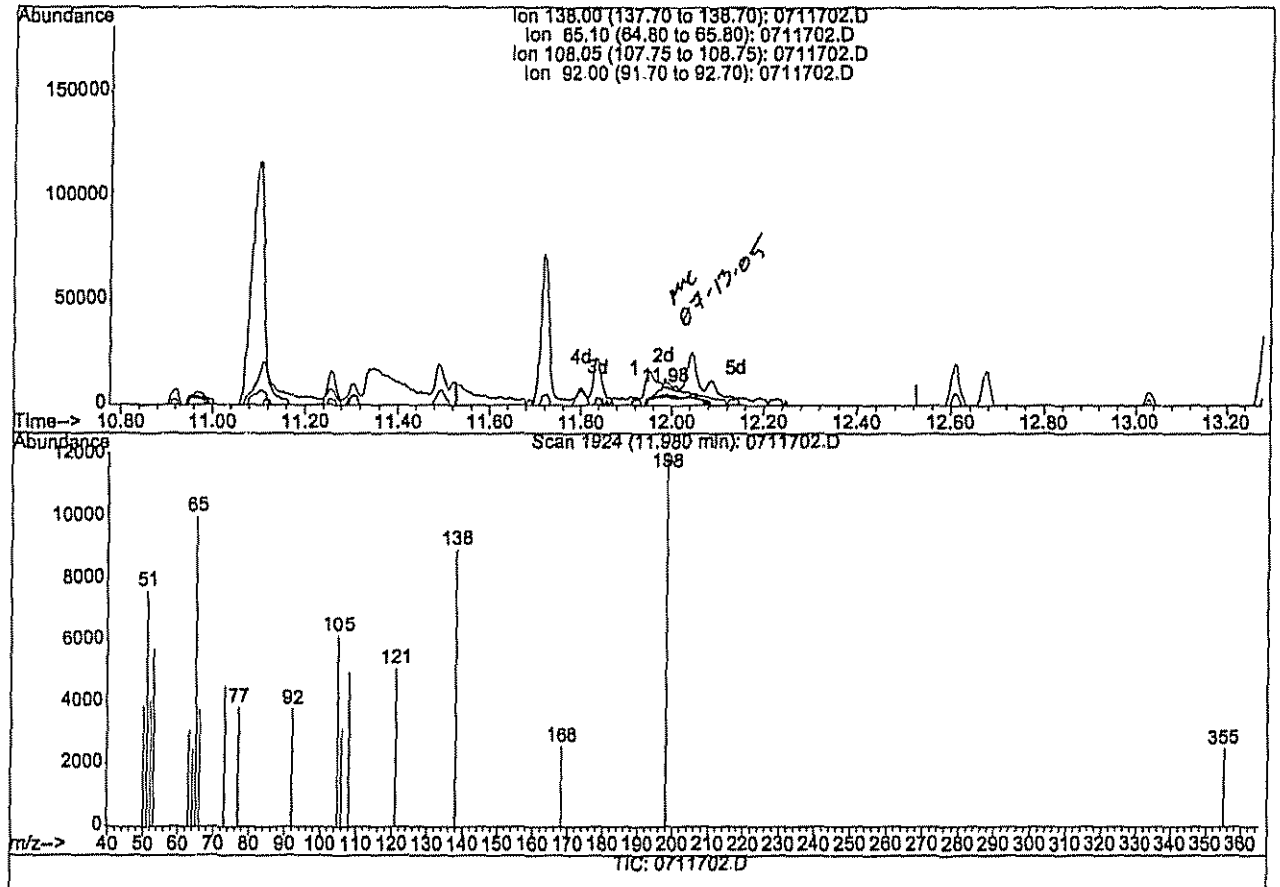
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	0.00#
65.10	28.40	57.48#
92.00	16.90	0.00#

0711702.D 8270.M Wed Jul 13 10:21:36 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071105\0711702.D Vial: 2
Acq On : 11 Jul 2005 3:23 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 10:21 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(52) 4-Nitroaniline (TM)

11.98min 4.59ug/mL m

response 59951

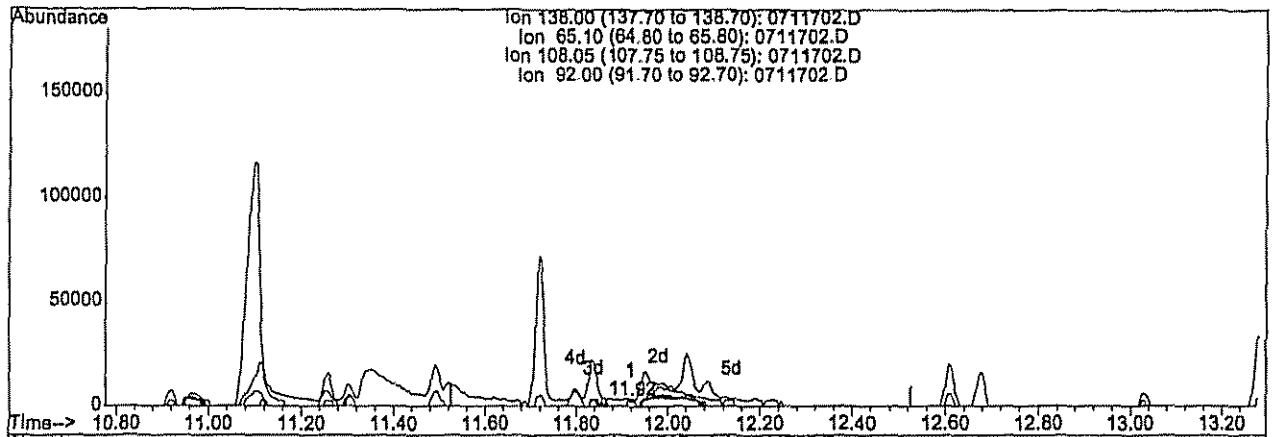
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	111.67
108.05	58.50	55.66
92.00	43.90	42.20

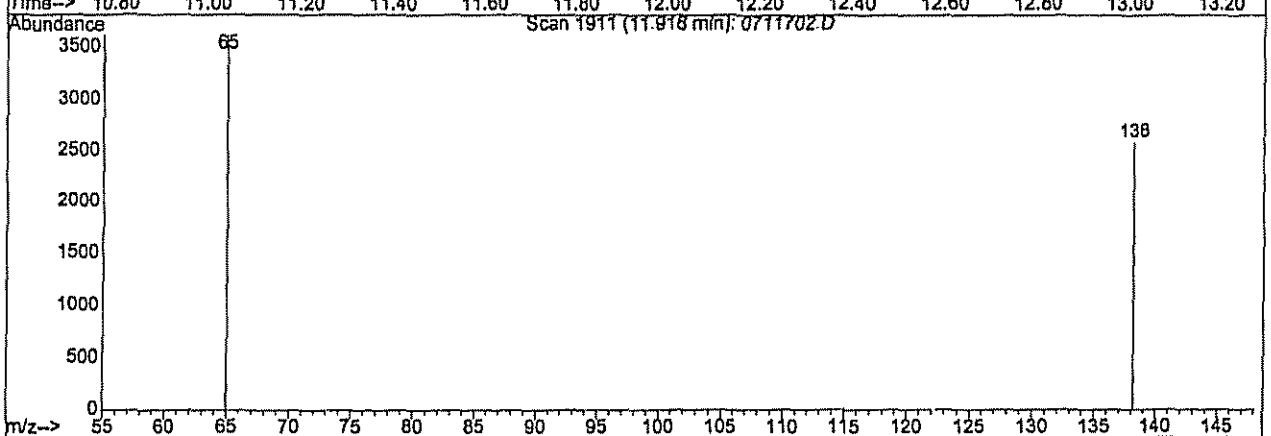
0711702.D 8270.M Wed Jul 13 10:22:00 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071105\0711702.D Vial: 2
Acq On : 11 Jul 2005 3:23 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 10:21 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration





TIC: 0711702.D

(52) 4-Nitroaniline (TM)

11.92min 0.90ug/mL

response 2899

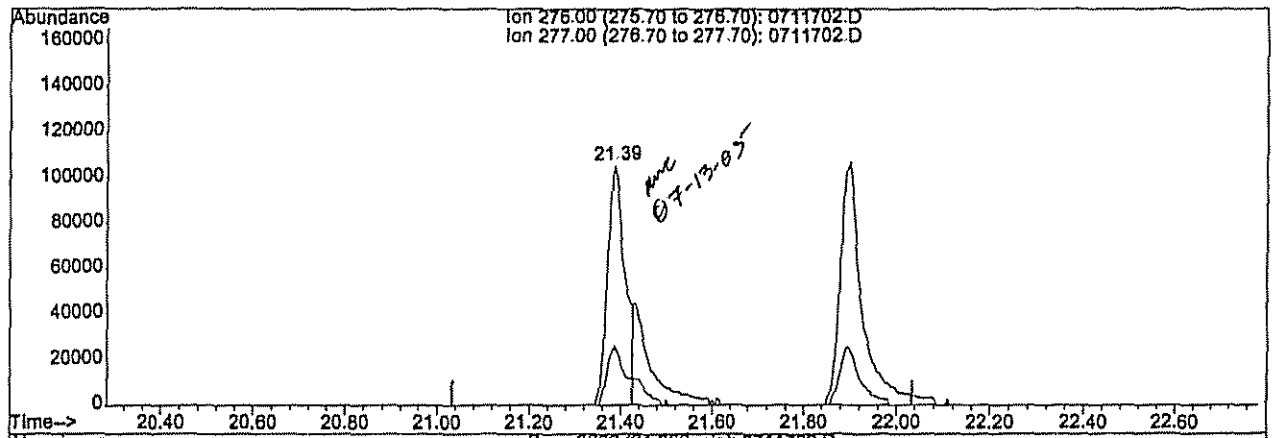
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	15.01#
108.05	58.50	0.00#
92.00	43.90	0.00#

0711702.D 8270.M Wed Jul 13 10:21:55 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071105\0711702.D Vial: 2
Acq On : 11 Jul 2005 3:23 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 10:22 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.39min 5.23ug/mL m

response 277825

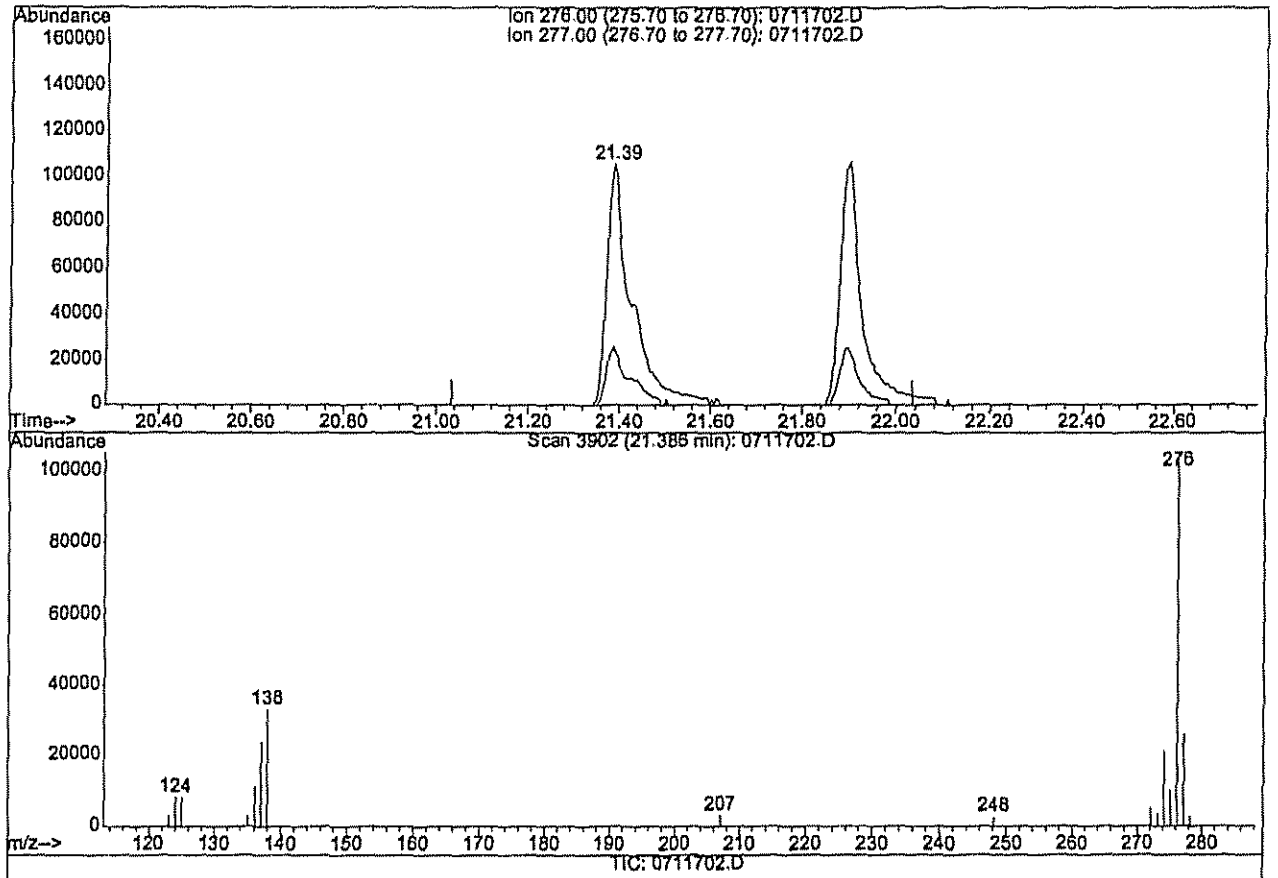
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	24.70
0.00	0.00	0.00
0.00	0.00	0.00

0711702.D 8270.M Wed Jul 13 10:22:31 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071105\0711702.D Vial: 2
Acq On : 11 Jul 2005 3:23 pm Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 10:22 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.39min 6.97ug/mL

response 402009

Ion	Exp%	Act%
276.00	100	100
277.00	23.30	24.70
0.00	0.00	0.00
0.00	0.00	0.00

0711702.D 8270.M Wed Jul 13 10:22:26 2005 ENV

8270-BN QC, Blanks Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708705.D Vial: 5
Acq On : 8 Jul 2005 3:50 pm Operator: MRC
Sample : pb3180 x1 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 08 16:15:06 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MRC 07-12-05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.25	152	217868	4.00 ug/mL	-0.08
18) Naphthalene-D8	8.15	136	871109	4.00 ug/mL	-0.09
33) Acenaphthene-d10	10.92	164	419527	4.00 ug/mL	-0.09
55) Phenanthrene-D10	13.28	188	624969	4.00 ug/mL	-0.10
85) Chrysene-D12	17.51	240	350814	4.00 ug/mL	-0.10
93) Perylene-D12	19.63	264	250508	4.00 ug/mL	-0.10
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	4.54	112	495983	9.89 ug/mL	-0.07
Spiked Amount 10.000			Recovery	= 98.90%	
17) Phenol-d6 (surr)	5.84	99	780524	10.59 ug/mL	-0.10
Spiked Amount 10.000			Recovery	= 105.90%	
32) Nitrobenzene-d5 (surr)	7.09	128	293219	10.52 ug/mL	-0.10
Spiked Amount 10.000			Recovery	= 105.20%	
53) 2-Fluorobiphenyl (surr)	9.89	172	1286531	11.09 ug/mL	-0.09
Spiked Amount 10.000			Recovery	= 110.90%	
54) 2,4,6-Tribromophenol (surr	12.19	330	129120	10.01 ug/mL	-0.10
Spiked Amount 10.000			Recovery	= 100.10%	
92) 4-Terphenyl-d14 (surr)	15.89	244	1021176	11.64 ug/mL	-0.10
Spiked Amount 10.000			Recovery	= 116.40%	

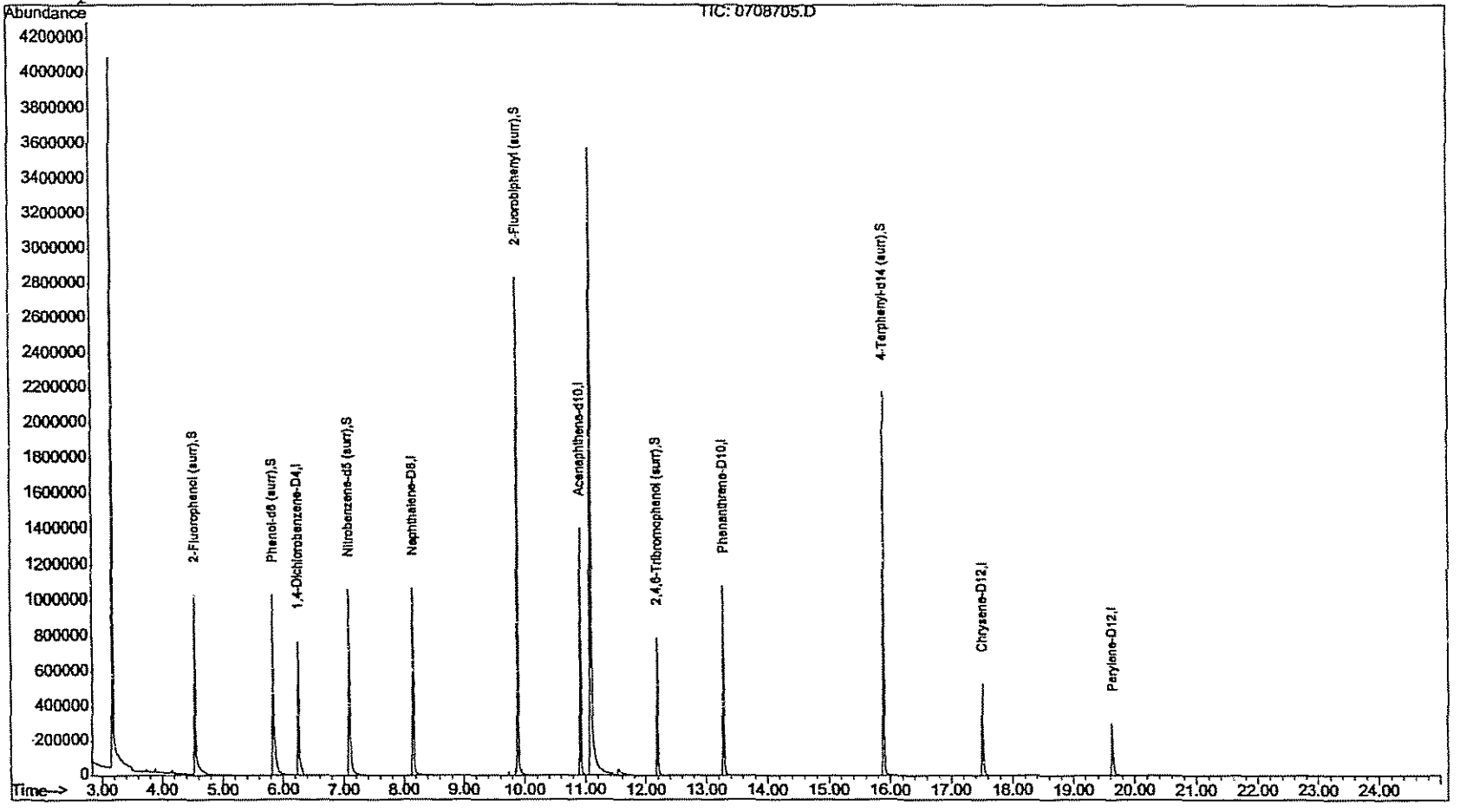
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
0708705.D 8270.M Wed Jul 13 08:57:11 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708705.D Vial: 5
Acq On : 8 Jul 2005 3:50 pm Operator: MRC
Sample : pb3180 x1 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:52 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration



N.C. CERTIFICATION #481
PARADIGM ANALYTICAL LABORATORIES, INC.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708704.D Vial: 4
Acq On : 8 Jul 2005 3:15 pm Operator: MRC
Sample : LCS3180 x1 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 08 15:40:47 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MRL 07-12-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.25	152	217051	4.00	ug/mL	-0.08
18) Naphthalene-D8	8.16	136	878375	4.00	ug/mL	-0.09
33) Acenaphthene-d10	10.92	164	430538	4.00	ug/mL	-0.08
55) Phenanthrene-D10	13.28	188	660895	4.00	ug/mL	-0.09
85) Chrysene-D12	17.51	240	421866	4.00	ug/mL	-0.10
93) Perylene-D12	19.63	264	341376	4.00	ug/mL	-0.10
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	4.55	112	504577	10.10	ug/mL	-0.06
Spiked Amount 10.000			Recovery = 101.00%			
17) Phenol-d6 (surr)	5.85	99	713476	9.71	ug/mL	-0.09
Spiked Amount 10.000			Recovery = 97.10%			
32) Nitrobenzene-d5 (surr)	7.10	128	280007	9.96	ug/mL	-0.09
Spiked Amount 10.000			Recovery = 99.60%			
53) 2-Fluorobiphenyl (surr)	9.89	172	1206077	10.13	ug/mL	-0.09
Spiked Amount 10.000			Recovery = 101.30%			
54) 2,4,6-Tribromophenol (surr	12.20	330	136071	10.28	ug/mL	-0.09
Spiked Amount 10.000			Recovery = 102.80%			
92) 4-Terphenyl-d14 (surr)	15.89	244	1017800	9.65	ug/mL	-0.10
Spiked Amount 10.000			Recovery = 96.50%			
Target Compounds						Qvalue
2) Pyridine	2.95	79	492974	11.69	ug/mL	97
3) N-Nitrosodimethylamine	2.98	74	377609	12.02	ug/mL	95
4) Phenol	5.86	94	853509	10.09	ug/mL	98
5) Bis(2-chloroethyl)ether	5.93	93	683131	10.39	ug/mL	99
6) 2-Chlorophenol	5.98	128	675252	10.11	ug/mL	97
7) Benzyl Alcohol	6.52	108	401175	9.35	ug/mL	99
8) 1,3-Dichlorobenzene	6.17	146	774433	11.02	ug/mL	99
9) 1,4-Dichlorobenzene	6.28	146	802217	10.86	ug/mL	98
10) 1,2-Dichlorobenzene	6.49	146	743966	11.30	ug/mL	100
11) 2-Methylphenol	6.72	107	521218	10.54	ug/mL	98
12) 3-, 4-Methylphenol	6.96	107	1277988	18.22	ug/mL#	91
13) Bis(2-chloroisopropyl)ethe	6.70	45	1080754	11.48	ug/mL#	89
14) N-Nitrosodi-n-propylamine	6.92	70	443404	13.01	ug/mL	99
15) Hexachloroethane	6.98	117	272390	11.69	ug/mL	94
19) Nitrobenzene	7.12	77	670088	11.10	ug/mL	97
20) Isophorone	7.50	82	1258459	13.33	ug/mL	99
21) 2-Nitrophenol	7.60	139	371269	10.18	ug/mL	99
22) 2,4-Dimethylphenol	7.74	122	571955	10.41	ug/mL	98
23) Benzoic Acid	8.01	122	258991	7.90	ug/mL#	13
24) Bis(2-chloroethoxy)methane	7.86	93	769199	11.02	ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708704.D Vial: 4
Acq On : 8 Jul 2005 3:15 pm Operator: MRC
Sample : LCS3180 x1 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 08 15:40:47 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25)	2,4-Dichlorophenol	7.99	162	513539	10.27 ug/mL	97
26)	1,2,4-Trichlorobenzene	8.09	180	596019	10.90 ug/mL	97
27)	Naphthalene	8.19	128	1964911	11.10 ug/mL	100
28)	4-Chloroaniline	8.40	127	148071m	7.40 ug/mL	
29)	Hexachlorobutadiene	8.41	225	301490	11.18 ug/mL	97
30)	4-Chloro-3-methylphenol	9.16	107	528863	10.48 ug/mL	100
31)	2-Methylnaphthalene	9.28	142	1337981	9.93 ug/mL	100
34)	Hexachlorocyclopentadiene	9.55	237	170924	17.23 ug/mL	100
35)	2,4,6-Trichlorophenol	9.77	196	364197	10.49 ug/mL	99
36)	2,4,5-Trichlorophenol	9.84	196	377316	9.92 ug/mL	99
37)	2-Chloronaphthalene	10.04	162	1122642	10.70 ug/mL	99
38)	2-Nitroaniline	10.27	65	301635	10.58 ug/mL	96
39)	3-Nitroaniline	10.97	138	46141	9.10 ug/mL#	87
40)	1-Methylnaphthalene	9.43	142	1312322	10.89 ug/mL	97
41)	Dimethylphthalate	10.60	163	1334562	11.14 ug/mL	100
42)	Acenaphthylene	10.69	152	1988611	12.88 ug/mL	100
43)	2,6-Dinitrotoluene	10.67	165	302203	11.77 ug/mL	94
44)	Acenaphthene	10.98	153	1227798	11.52 ug/mL	99
45)	2,4-Dinitrophenol	11.11	184	156998	10.87 ug/mL#	86
46)	4-Nitrophenol	11.33	109	95840	8.79 ug/mL	91
47)	Dibenzofuran	11.26	168	1545977	9.72 ug/mL	99
48)	2,4-Dinitrotoluene	11.31	165	382886	11.45 ug/mL	94
49)	Fluorene	11.80	166	1302421	11.19 ug/mL	98
50)	Diethylphthalate	11.73	149	1362658	11.58 ug/mL	100
51)	4-Chlorophenyl phenyl ethe	11.84	204	605747	10.98 ug/mL	100
52)	4-Nitroaniline	11.96	138	100336	8.21 ug/mL#	85
56)	4,6-Dinitro-2-methylphenol	11.95	198	218964	11.83 ug/mL	93
57)	Diphenylamine	12.05	169	881589	15.26 ug/mL	99
58)	4-bromophenyl phenyl ether	12.61	248	322577	11.46 ug/mL	98
59)	Hexachlorobenzene	12.68	284	351739	12.12 ug/mL	98
60)	Pentachlorophenol	13.04	266	157848	9.02 ug/mL	97
61)	Phenanthrene	13.33	178	1825925	10.99 ug/mL	99
63)	Anthracene	13.41	178	1809658	11.34 ug/mL	99
64)	Azobenzene	12.09	77	1221778	10.82 ug/mL	96
65)	Di-n-Butylphthalate	14.36	149	2285362	11.84 ug/mL	100
66)	Fluoranthene	15.22	202	1760658	11.49 ug/mL	96
86)	Pyrene	15.57	202	1826803	11.73 ug/mL	97
87)	Butylbenzylphthalate	16.74	149	924081	10.66 ug/mL	96
88)	Benzo[a]anthracene	17.50	228	1326964	10.73 ug/mL	98
89)	3,3'-Dichlorobenzidine	17.53	252	238803	11.99 ug/mL	99
90)	Chrysene	17.55	228	1342278	11.60 ug/mL	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708704.D Vial: 4
Acq On : 8 Jul 2005 3:15 pm Operator: MRC
Sample : LCS3180 x1 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 08 15:40:47 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
91)	Bis(2-ethylhexyl)phthalate	17.70	149	1311967	10.70 ug/mL	98
94)	Di-n-octylphthalate	18.68	149	1933587	8.35 ug/mL	100
95)	Benzo[b]fluoranthene	19.10	252	1180489	10.73 ug/mL	99
96)	Benzo[k]fluoranthene	19.14	252	1286094	10.84 ug/mL	98
97)	Benzo[a]pyrene	19.55	252	1076736	12.12 ug/mL	100
98)	Indeno(1,2,3-c,d)pyrene	21.39	276	582196m	10.01 ug/mL	
99)	Dibenzo[a,h]anthracene	21.43	278	604822	10.46 ug/mL	100
100)	Benzo[g,h,i]perylene	21.90	276	733123	12.52 ug/mL	99

(#) = qualifier out of range (m) = manual integration

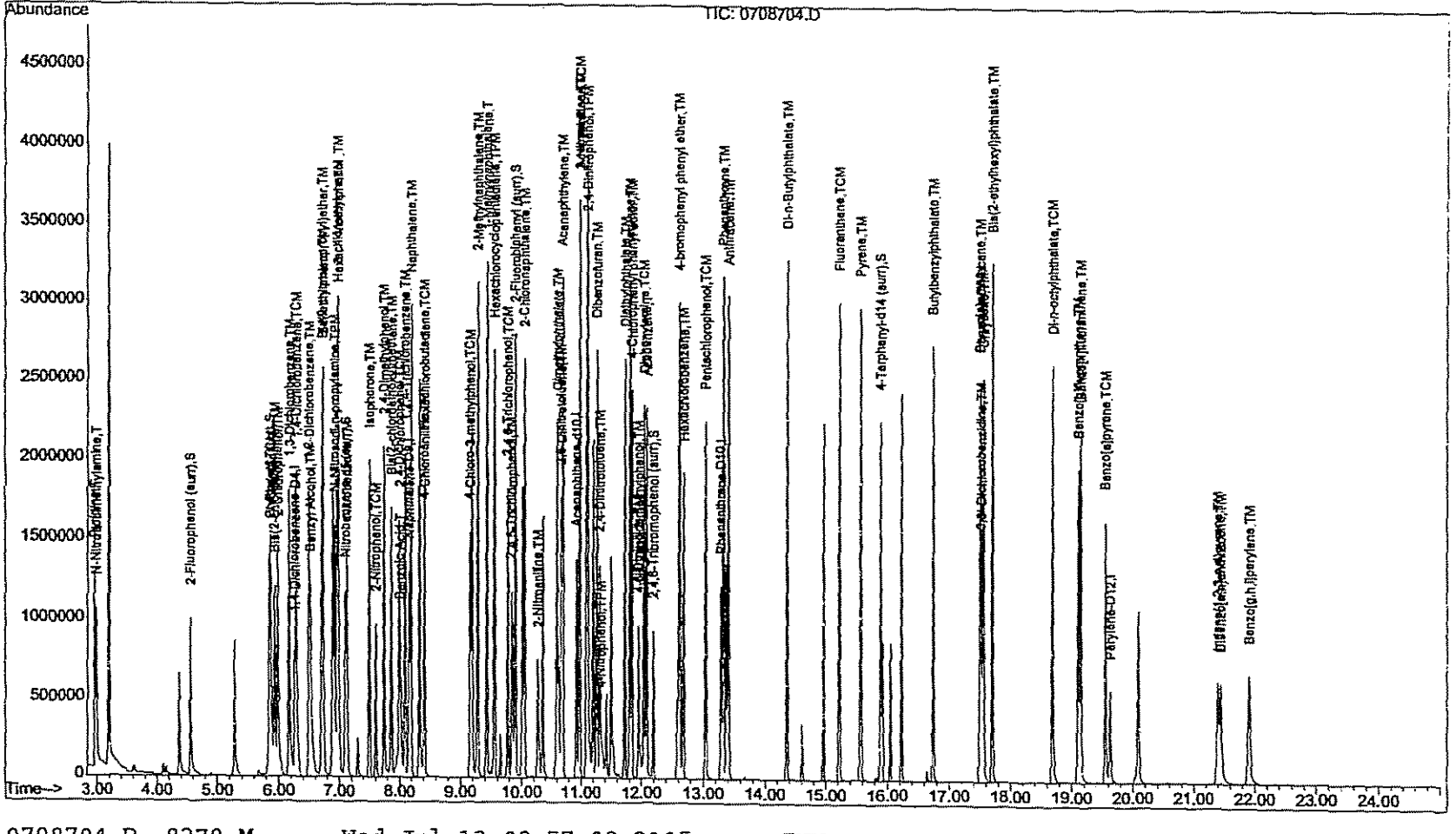
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708704.D
Acq On : 8 Jul 2005 3:15 pm
Sample : LCS3180 x1
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 12 16:52 2005

Vial: 4
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration



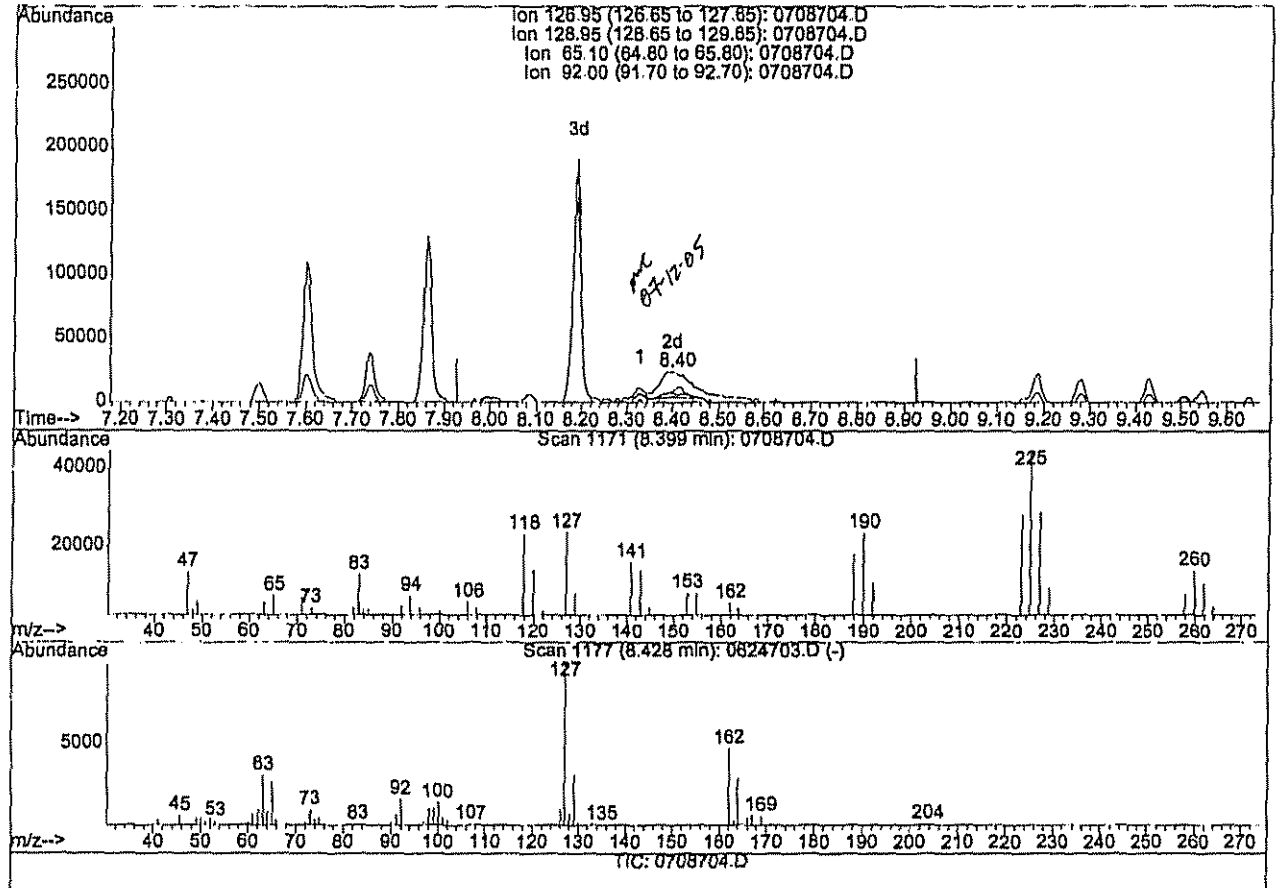
0708704.D 8270.M Wed Jul 13 08:57:09 2005 ENV

Page 4

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708704.D Vial: 4
Acq On : 8 Jul 2005 3:15 pm Operator: MRC
Sample : LCS3180 x1 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:51 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(28) 4-Chloroaniline (TM)

8.40min 7.40ug/mL m

response 148071

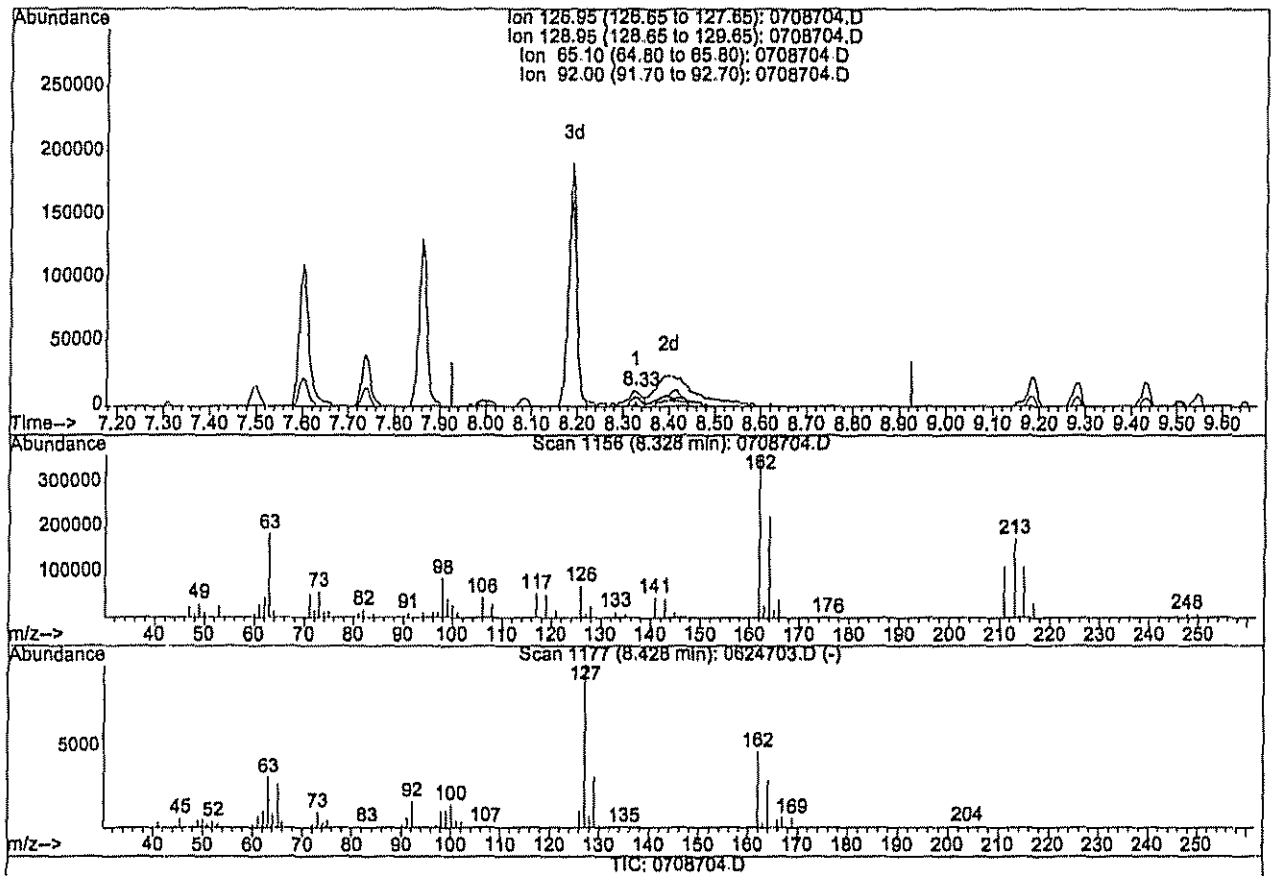
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	34.26
65.10	28.40	31.12
92.00	16.90	19.73

0708704.D 8270.M Tue Jul 12 16:51:25 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708704.D Vial: 4
Acq On : 8 Jul 2005 3:15 pm Operator: MRC
Sample : LCS3180 x1 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 15:40 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(28) 4-Chloroaniline (TM)

8.33min 2.35ug/mL

response 24584

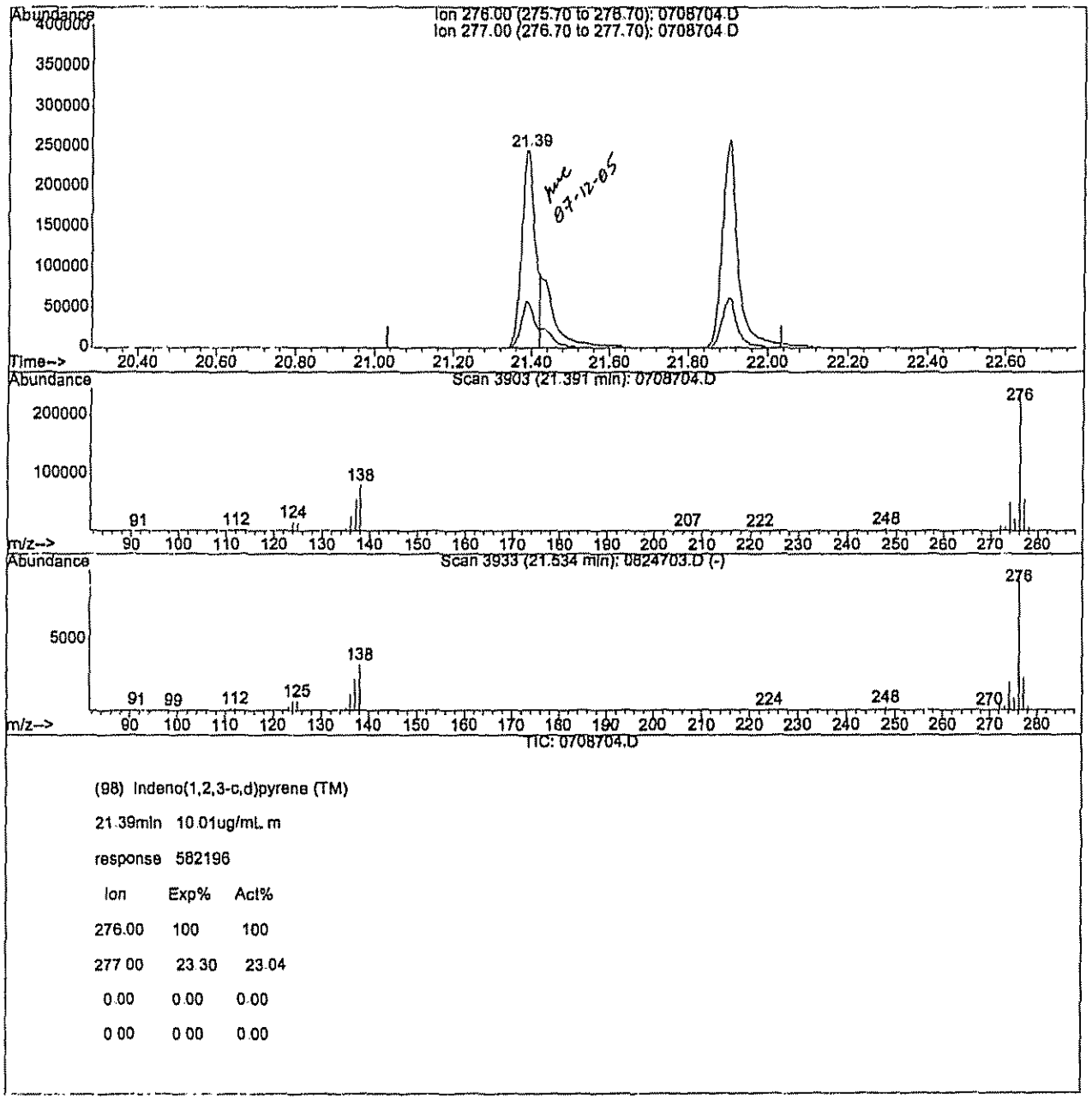
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	56.30#
65.10	28.40	63.39#
92.00	16.90	26.89#

0708704.D 8270.M Tue Jul 12 16:51:19 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708704.D Vial: 4
Acq On : 8 Jul 2005 3:15 pm Operator: MRC
Sample : LCS3180 x1 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:52 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration

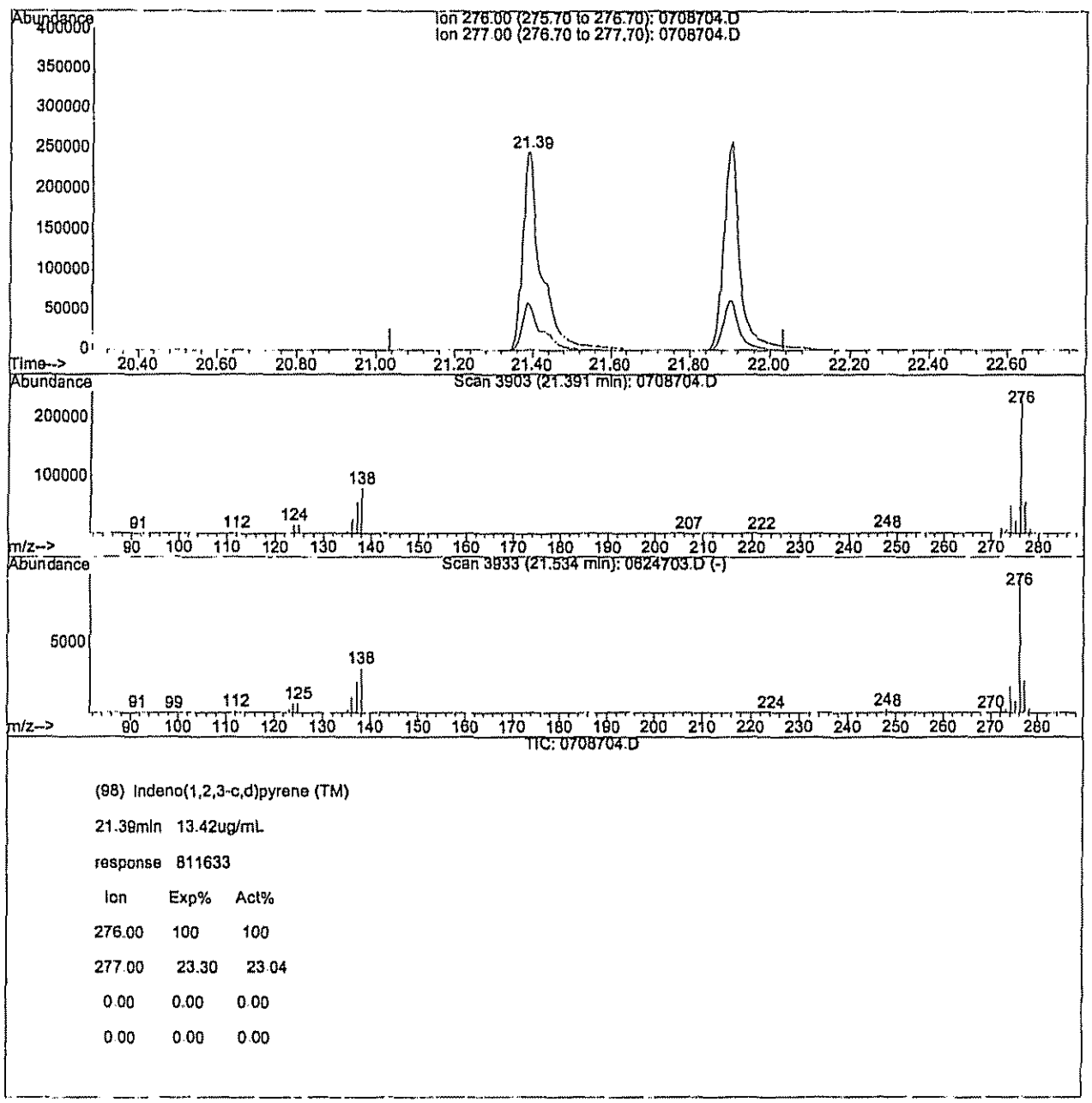


0708704.D 8270.M Tue Jul 12 16:52:05 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708704.D Vial: 4
Acq On : 8 Jul 2005 3:15 pm Operator: MRC
Sample : LCS3180 x1 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 16:51 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



0708704.D 8270.M Tue Jul 12 16:52:01 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708721.D Vial: 21
Acq On : 9 Jul 2005 1:03 am Operator: MRC
Sample : G161-2048-22F x1 MS Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 09 01:28:33 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MRC 07-12-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.25	152	206137	4.00	ug/mL	-0.08
18) Naphthalene-D8	8.16	136	821949	4.00	ug/mL	-0.09
33) Acenaphthene-d10	10.92	164	396459	4.00	ug/mL	-0.09
55) Phenanthrene-D10	13.28	188	608401	4.00	ug/mL	-0.09
85) Chrysene-D12	17.51	240	405953	4.00	ug/mL	-0.10
93) Perylene-D12	19.63	264	322180	4.00	ug/mL	-0.09
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	4.55	112	522157	11.01	ug/mL	-0.06
Spiked Amount 10.000			Recovery = 110.10%			
17) Phenol-d6 (surr)	5.85	99	748937	10.73	ug/mL	-0.09
Spiked Amount 10.000			Recovery = 107.30%			
32) Nitrobenzene-d5 (surr)	7.10	128	286675	10.90	ug/mL	-0.09
Spiked Amount 10.000			Recovery = 109.00%			
53) 2-Fluorobiphenyl (surr)	9.89	172	1200773	10.96	ug/mL	-0.09
Spiked Amount 10.000			Recovery = 109.60%			
54) 2,4,6-Tribromophenol (surr	12.19	330	132588	10.88	ug/mL	-0.10
Spiked Amount 10.000			Recovery = 108.80%			
92) 4-Terphenyl-d14 (surr)	15.89	244	1022366	10.07	ug/mL	-0.10
Spiked Amount 10.000			Recovery = 100.70%			

Target Compounds						Qvalue
2) Pyridine	2.95	79	308410	7.70	ug/mL	97
3) N-Nitrosodimethylamine	2.99	74	355370	11.91	ug/mL	97
4) Phenol	5.86	94	811979	10.10	ug/mL	98
5) Bis(2-chloroethyl)ether	5.93	93	682458	10.93	ug/mL	99
6) 2-Chlorophenol	5.98	128	633311	9.98	ug/mL	98
7) Benzyl Alcohol	6.52	108	378014	9.28	ug/mL	99
8) 1,3-Dichlorobenzene	6.17	146	720572	10.80	ug/mL	99
9) 1,4-Dichlorobenzene	6.28	146	753559	10.75	ug/mL	99
10) 1,2-Dichlorobenzene	6.49	146	684019	10.94	ug/mL	99
11) 2-Methylphenol	6.72	107	494454	10.53	ug/mL	99
12) 3-, 4-Methylphenol	6.96	107	1208645	18.14	ug/mL#	89
13) Bis(2-chloroisopropyl)ethe	6.71	45	1011322	11.31	ug/mL	98
14) N-Nitrosodi-n-propylamine	6.92	70	415728	12.84	ug/mL	97
15) Hexachloroethane	6.97	117	248462	11.22	ug/mL	92
19) Nitrobenzene	7.12	77	629257	11.14	ug/mL	96
20) Isophorone	7.50	82	1154277	13.07	ug/mL	100
21) 2-Nitrophenol	7.60	139	342064	10.02	ug/mL	95
22) 2,4-Dimethylphenol	7.74	122	543716	10.58	ug/mL	100
23) Benzoic Acid	8.01	122	215739	7.20	ug/mL#	9
24) Bis(2-chloroethoxy)methane	7.86	93	724488	11.09	ug/mL	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708721.D Vial: 21
Acq On : 9 Jul 2005 1:03 am Operator: MRC
Sample : G161-2048-22F x1 MS Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 09 01:28:33 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	7.99	162	475572	10.17 ug/mL	97
26) 1,2,4-Trichlorobenzene	8.09	180	550815	10.76 ug/mL	96
27) Naphthalene	8.19	128	1822879	11.00 ug/mL	100
28) 4-Chloroaniline	8.37	127	260970	11.07 ug/mL	99
29) Hexachlorobutadiene	8.41	225	274293	10.87 ug/mL	99
30) 4-Chloro-3-methylphenol	9.16	107	481083	10.18 ug/mL	100
31) 2-Methylnaphthalene	9.28	142	1233417	9.78 ug/mL	96
34) Hexachlorocyclopentadiene	9.55	237	135360	14.93 ug/mL	97
35) 2,4,6-Trichlorophenol	9.77	196	326367	10.21 ug/mL	99
36) 2,4,5-Trichlorophenol	9.84	196	353771	10.10 ug/mL	99
37) 2-Chloronaphthalene	10.04	162	1093954	11.32 ug/mL	99
38) 2-Nitroaniline	10.27	65	276469	10.53 ug/mL	96
39) 3-Nitroaniline	10.96	138	87402	13.54 ug/mL	99
40) 1-Methylnaphthalene	9.43	142	1197283	10.79 ug/mL	98
41) Dimethylphthalate	10.59	163	1218523	11.05 ug/mL	99
42) Acenaphthylene	10.69	152	1819688	12.80 ug/mL	100
43) 2,6-Dinitrotoluene	10.67	165	270087	11.42 ug/mL	95
44) Acenaphthene	10.98	153	1109241	11.31 ug/mL	99
45) 2,4-Dinitrophenol	11.11	184	137526	10.34 ug/mL#	83
46) 4-Nitrophenol	11.34	109	86868	8.67 ug/mL	86
47) Dibenzofuran	11.26	168	1406281	9.60 ug/mL	100
48) 2,4-Dinitrotoluene	11.31	165	345273	11.21 ug/mL	93
49) Fluorene	11.80	166	1191227	11.11 ug/mL	99
50) Diethylphthalate	11.72	149	1232007	11.37 ug/mL	99
51) 4-Chlorophenyl phenyl ethe	11.84	204	553927	10.90 ug/mL	98
52) 4-Nitroaniline	11.96	138	133494	11.55 ug/mL	87
56) 4,6-Dinitro-2-methylphenol	11.95	198	188520	11.06 ug/mL	91
57) Diphenylamine	12.05	169	850348	15.99 ug/mL	99
58) 4-bromophenyl phenyl ether	12.61	248	294544	11.37 ug/mL	97
59) Hexachlorobenzene	12.68	284	311172	11.65 ug/mL	92
60) Pentachlorophenol	13.04	266	136141	8.50 ug/mL	99
61) Phenanthrene	13.32	178	1649082	10.78 ug/mL	99
63) Anthracene	13.40	178	1655433	11.27 ug/mL	100
64) Azobenzene	12.09	77	1130932	10.88 ug/mL	96
65) Di-n-Butylphthalate	14.35	149	2091633	11.77 ug/mL	100
66) Fluoranthene	15.22	202	1610852	11.42 ug/mL	95
86) Pyrene	15.57	202	1674154	11.17 ug/mL	94
87) Butylbenzylphthalate	16.74	149	858870	10.29 ug/mL	96
88) Benzo[a]anthracene	17.50	228	1229981	10.33 ug/mL	98
89) 3,3'-Dichlorobenzidine	17.53	252	265817	13.46 ug/mL	96
90) Chrysene	17.55	228	1232090	11.06 ug/mL	100

(#) = qualifier out of range (m) = manual integration
0708721.D 8270.M Wed Jul 13 08:58:01 2005 ENV Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708721.D Vial: 21
Acq On : 9 Jul 2005 1:03 am Operator: MRC
Sample : G161-2048-22F x1 MS Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 09 01:28:33 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
91)	Bis(2-ethylhexyl)phthalate	17.70	149	1225275	10.38 ug/mL	99
94)	Di-n-octylphthalate	18.68	149	1853164	8.48 ug/mL	100
95)	Benzo[b]fluoranthene	19.10	252	1065648	10.26 ug/mL	100
96)	Benzo[k]fluoranthene	19.14	252	1208705	10.80 ug/mL	98
97)	Benzo[a]pyrene	19.55	252	993208	11.84 ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	21.39	276	556970m	10.13 ug/mL	
99)	Dibenzo[a,h]anthracene	21.44	278	568898	10.43 ug/mL	100
100)	Benzo[g,h,i]perylene	21.90	276	658800	11.92 ug/mL	98

(#) = qualifier out of range (m) = manual integration
0708721.D 8270.M Wed Jul 13 08:58:01 2005 ENV Page 3

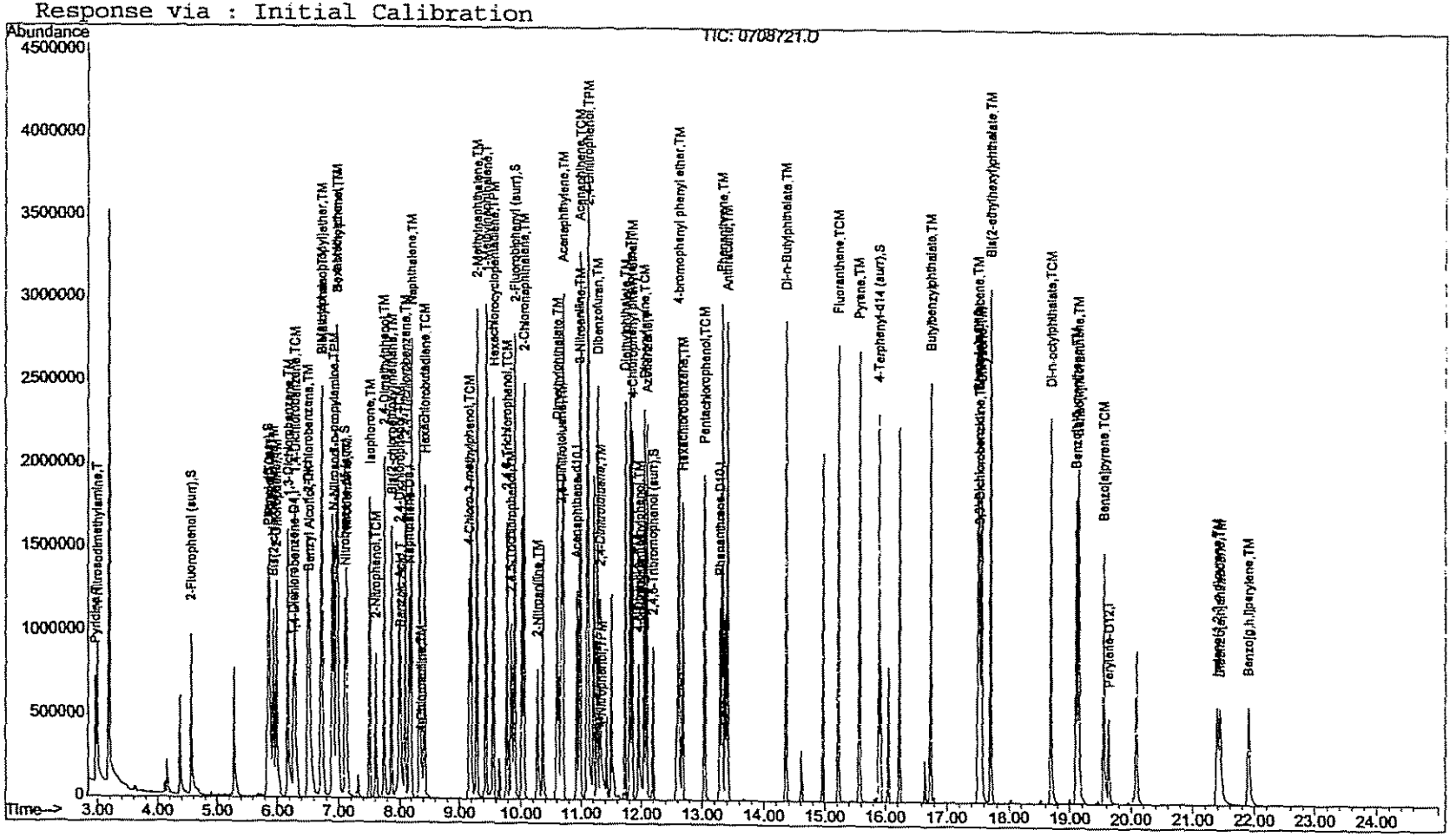
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708721.D
Acq On : 9 Jul 2005 1:03 am
Sample : G161-2048-22F x1 MS
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 13 8:54 2005

Vial: 21
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration



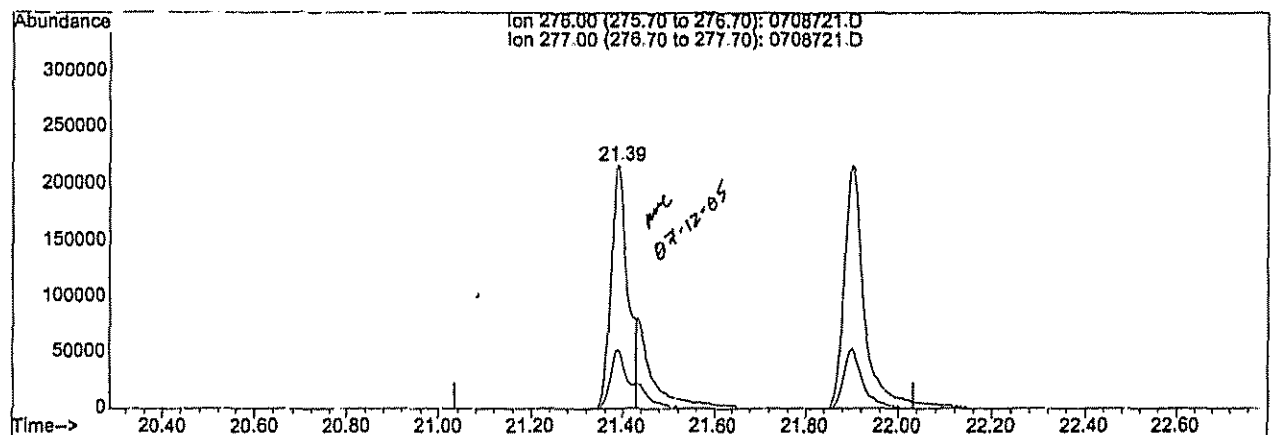
0708721.D 8270.M Wed Jul 13 08:58:03 2005 ENV

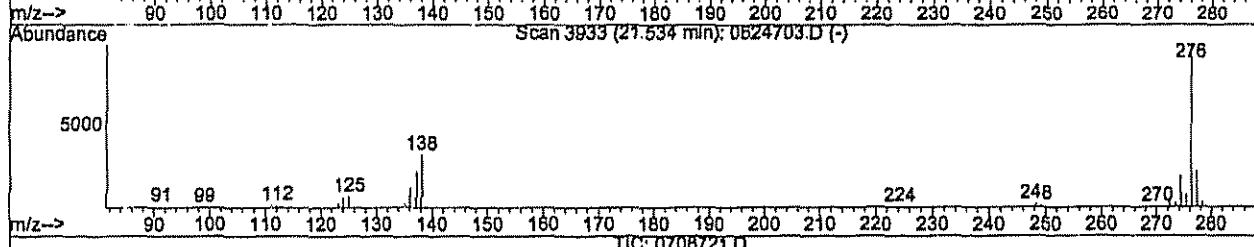
Page 4

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708721.D Vial: 21
Acq On : 9 Jul 2005 1:03 am Operator: MRC
Sample : G161-2048-22F x1 MS Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 8:54 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration





TIC: 0708721.D

(98) Indeno(1,2,3-c,d)pyrene (TM)

21.39min 10.13ug/mL m

response 556970

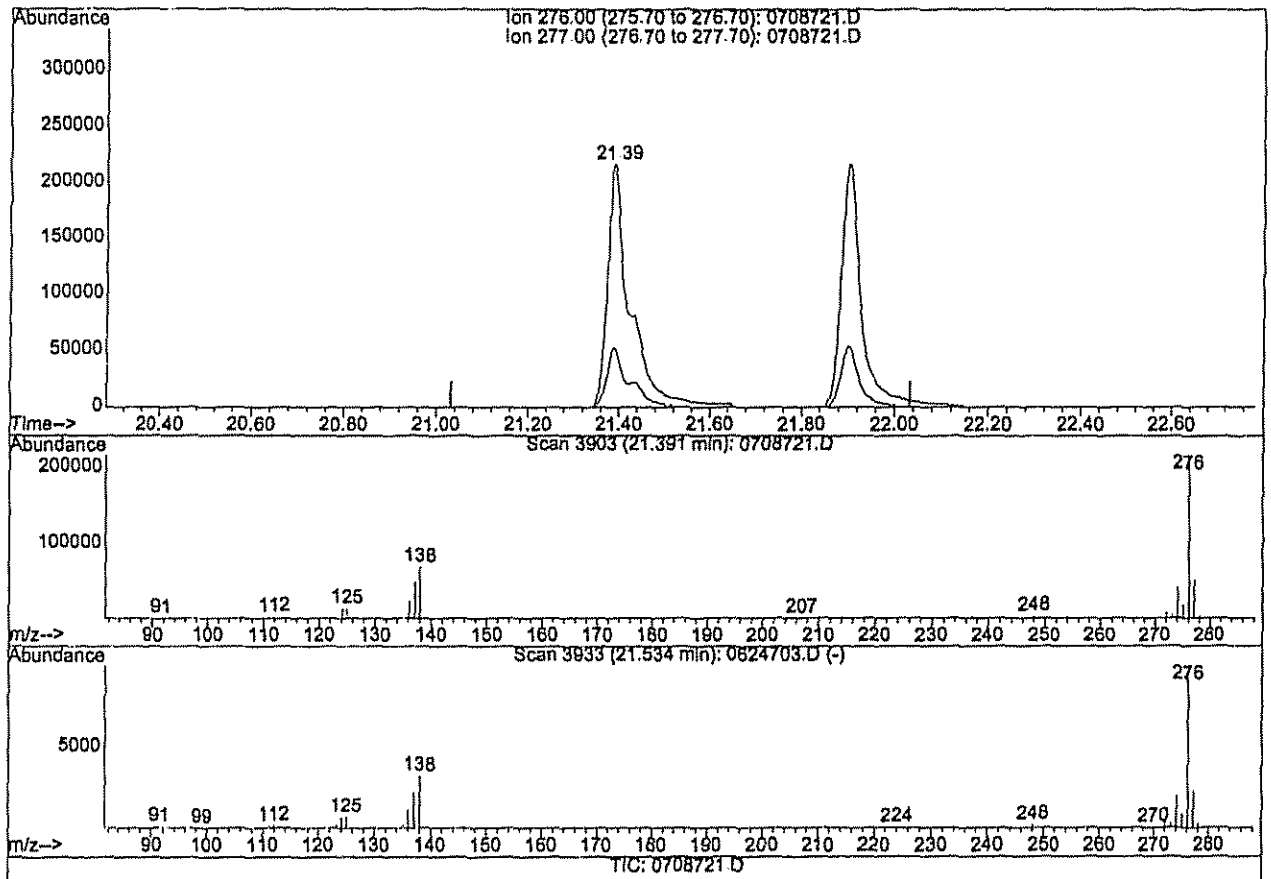
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.73
0.00	0.00	0.00
0.00	0.00	0.00

0708721.D 8270.M Wed Jul 13 08:54:27 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708721.D Vial: 21
Acq On : 9 Jul 2005 1:03 am Operator: MRC
Sample : G161-2048-22F x1 MS Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 8:54 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.39min 13.17ug/mL

response 749837

Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.73
0.00	0.00	0.00
0.00	0.00	0.00

0708721.D 8270.M Wed Jul 13 08:54:22 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708722.D Vial: 22
Acq On : 9 Jul 2005 1:36 am Operator: MRC
Sample : G161-2048-22G x1 MSD Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 09 02:01:51 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

NMC 07-12-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.25	152	206254	4.00	ug/mL	-0.08
18) Naphthalene-D8	8.16	136	820216	4.00	ug/mL	-0.09
33) Acenaphthene-d10	10.92	164	397790	4.00	ug/mL	-0.09
55) Phenanthrene-D10	13.28	188	619125	4.00	ug/mL	-0.09
85) Chrysene-D12	17.51	240	422310	4.00	ug/mL	-0.10
93) Perylene-D12	19.63	264	333193	4.00	ug/mL	-0.10
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	4.55	112	509347	10.73	ug/mL	-0.06
Spiked Amount 10.000			Recovery = 107.30%			
17) Phenol-d6 (surr)	5.85	99	735682	10.54	ug/mL	-0.09
Spiked Amount 10.000			Recovery = 105.40%			
32) Nitrobenzene-d5 (surr)	7.09	128	282946	10.78	ug/mL	-0.09
Spiked Amount 10.000			Recovery = 107.80%			
53) 2-Fluorobiphenyl (surr)	9.89	172	1162283	10.57	ug/mL	-0.09
Spiked Amount 10.000			Recovery = 105.70%			
54) 2,4,6-Tribromophenol (surr	12.19	330	129529	10.59	ug/mL	-0.10
Spiked Amount 10.000			Recovery = 105.90%			
92) 4-Terphenyl-d14 (surr)	15.89	244	1006570	9.53	ug/mL	-0.10
Spiked Amount 10.000			Recovery = 95.30%			
Target Compounds						Qvalue
2) Pyridine	2.95	79	271646	6.78	ug/mL	97
3) N-Nitrosodimethylamine	2.98	74	368496	12.34	ug/mL	95
4) Phenol	5.86	94	819909	10.20	ug/mL	97
5) Bis(2-chloroethyl)ether	5.93	93	691175	11.06	ug/mL	97
6) 2-Chlorophenol	5.98	128	641175	10.10	ug/mL	99
7) Benzyl Alcohol	6.52	108	387560	9.50	ug/mL	97
8) 1,3-Dichlorobenzene	6.16	146	715646	10.72	ug/mL	99
9) 1,4-Dichlorobenzene	6.27	146	751884	10.72	ug/mL	98
10) 1,2-Dichlorobenzene	6.49	146	686719	10.97	ug/mL	100
11) 2-Methylphenol	6.72	107	495931	10.55	ug/mL	99
12) 3-, 4-Methylphenol	6.96	107	1218077	18.28	ug/mL#	89
13) Bis(2-chloroisopropyl)ethe	6.70	45	1003003	11.21	ug/mL#	89
14) N-Nitrosodi-n-propylamine	6.92	70	408878	12.63	ug/mL	97
15) Hexachloroethane	6.97	117	248643	11.23	ug/mL	91
19) Nitrobenzene	7.12	77	643043	11.41	ug/mL	95
20) Isophorone	7.50	82	1150006	13.04	ug/mL	99
21) 2-Nitrophenol	7.60	139	347436	10.20	ug/mL	95
22) 2,4-Dimethylphenol	7.74	122	550200	10.73	ug/mL	99
23) Benzoic Acid	8.02	122	233525	7.68	ug/mL#	3
24) Bis(2-chloroethoxy)methane	7.86	93	722795	11.09	ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708722.D Vial: 22
Acq On : 9 Jul 2005 1:36 am Operator: MRC
Sample : G161-2048-22G x1 MSD Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 09 02:01:51 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	2,4-Dichlorophenol	7.99	162	475563	10.19	ug/mL	98
26)	1,2,4-Trichlorobenzene	8.09	180	547426	10.72	ug/mL	98
27)	Naphthalene	8.19	128	1817097	10.99	ug/mL	99
28)	4-Chloroaniline	8.38	127	266861	11.24	ug/mL	99
29)	Hexachlorobutadiene	8.41	225	271672	10.79	ug/mL	99
30)	4-Chloro-3-methylphenol	9.15	107	490215	10.40	ug/mL	99
31)	2-Methylnaphthalene	9.28	142	1233301	9.80	ug/mL	100
34)	Hexachlorocyclopentadiene	9.55	237	145355	15.92	ug/mL	99
35)	2,4,6-Trichlorophenol	9.77	196	331671	10.34	ug/mL	98
36)	2,4,5-Trichlorophenol	9.84	196	359840	10.24	ug/mL	99
37)	2-Chloronaphthalene	10.04	162	1087873	11.22	ug/mL	100
38)	2-Nitroaniline	10.26	65	298158	11.32	ug/mL	95
39)	3-Nitroaniline	10.95	138	100107	14.62	ug/mL	96
40)	1-Methylnaphthalene	9.43	142	1196469	10.75	ug/mL	98
41)	Dimethylphthalate	10.59	163	1200161	10.84	ug/mL	99
42)	Acenaphthylene	10.69	152	1817390	12.74	ug/mL	100
43)	2,6-Dinitrotoluene	10.67	165	275437	11.61	ug/mL	93
44)	Acenaphthene	10.97	153	1120145	11.38	ug/mL	99
45)	2,4-Dinitrophenol	11.11	184	142325	10.66	ug/mL	93
46)	4-Nitrophenol	11.33	109	92106	9.09	ug/mL	93
47)	Dibenzofuran	11.26	168	1420536	9.67	ug/mL	100
48)	2,4-Dinitrotoluene	11.31	165	352889	11.42	ug/mL	92
49)	Fluorene	11.80	166	1193003	11.09	ug/mL	99
50)	Diethylphthalate	11.72	149	1232788	11.33	ug/mL	100
51)	4-Chlorophenyl phenyl ethe	11.84	204	550890	10.80	ug/mL	97
52)	4-Nitroaniline	11.97	138	162030	13.82	ug/mL	98
56)	4,6-Dinitro-2-methylphenol	11.95	198	196354	11.32	ug/mL	93
57)	Diphenylamine	12.05	169	870491	16.08	ug/mL	100
58)	4-bromophenyl phenyl ether	12.61	248	298707	11.33	ug/mL	97
59)	Hexachlorobenzene	12.68	284	312615	11.50	ug/mL	95
60)	Pentachlorophenol	13.04	266	140665	8.62	ug/mL	96
61)	Phenanthrene	13.32	178	1685844	10.83	ug/mL	99
63)	Anthracene	13.40	178	1673489	11.19	ug/mL	100
64)	Azobenzene	12.09	77	1133877	10.72	ug/mL	96
65)	Di-n-Butylphthalate	14.35	149	2092345	11.57	ug/mL	99
66)	Fluoranthene	15.22	202	1629723	11.35	ug/mL	97
86)	Pyrene	15.57	202	1702384	10.92	ug/mL	95
87)	Butylbenzylphthalate	16.74	149	875887	10.09	ug/mL	98
88)	Benzo[a]anthracene	17.50	228	1278315	10.32	ug/mL	98
89)	3,3'-Dichlorobenzidine	17.52	252	279174	13.57	ug/mL	99
90)	Chrysene	17.55	228	1261062	10.88	ug/mL	99

(#) = qualifier out of range (m) = manual integration
0708722.D 8270.M Wed Jul 13 08:58:06 2005 ENV Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708722.D Vial: 22
Acq On : 9 Jul 2005 1:36 am Operator: MRC
Sample : G161-2048-22G x1 MSD Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 09 02:01:51 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
91)	Bis(2-ethylhexyl)phthalate	17.70	149	1238098	10.09 ug/mL	99
94)	Di-n-octylphthalate	18.68	149	1883291	8.33 ug/mL	100
95)	Benzo[b]fluoranthene	19.10	252	1116664	10.40 ug/mL	99
96)	Benzo[k]fluoranthene	19.14	252	1261550	10.90 ug/mL	99
97)	Benzo[a]pyrene	19.55	252	1033003	11.91 ug/mL	98
98)	Indeno(1,2,3-c,d)pyrene	21.39	276	533592m	9.48 ug/mL	
99)	Dibenzo[a,h]anthracene	21.43	278	584724	10.37 ug/mL	97
100)	Benzo[g,h,i]perylene	21.90	276	668629	11.70 ug/mL	98

(#) = qualifier out of range (m) = manual integration
0708722.D 8270.M Wed Jul 13 08:58:06 2005 ENV Page 3

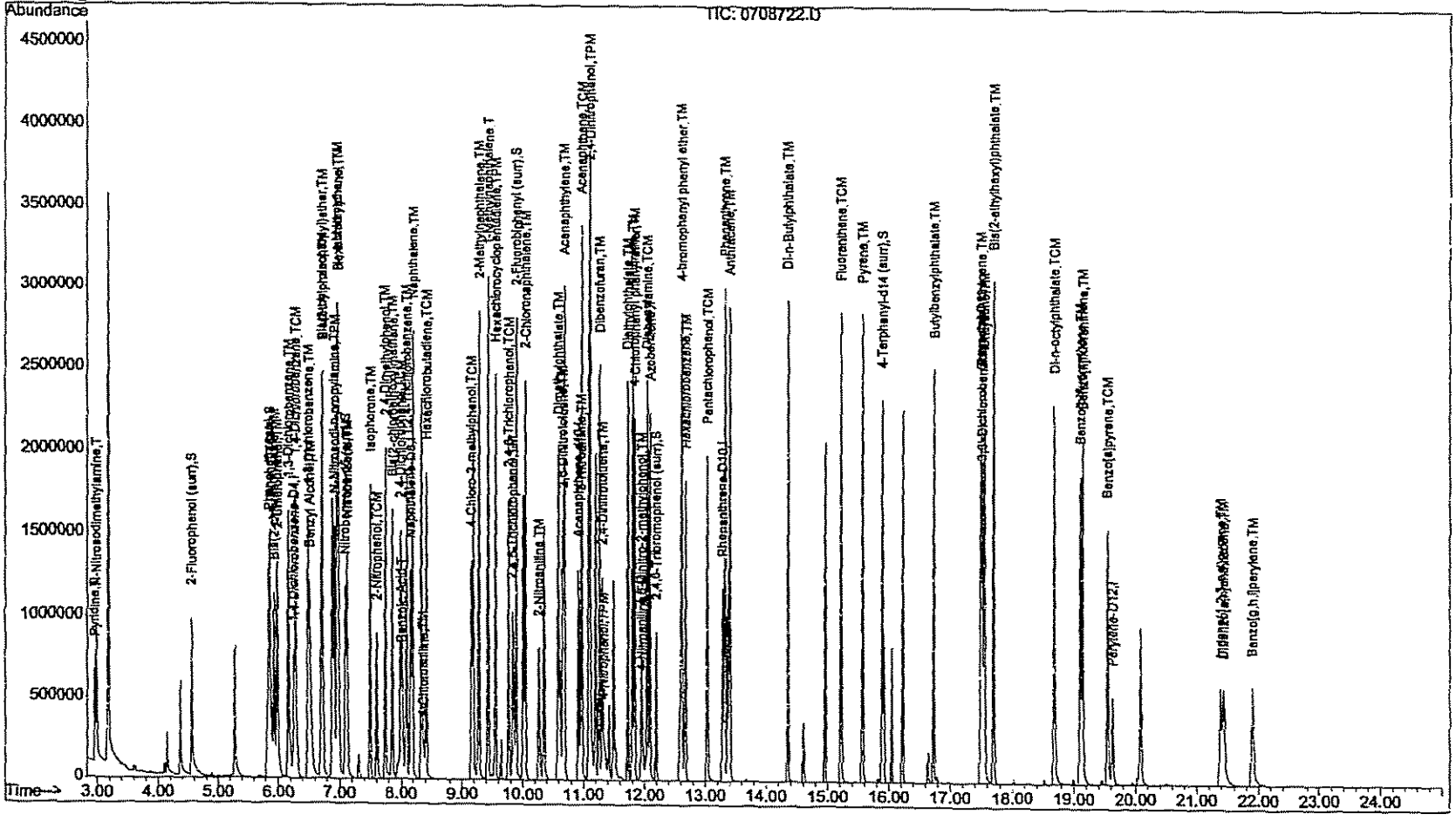
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7070805\0708722.D
Acq On : 9 Jul 2005 1:36 am
Sample : G161-2048-22G x1 MSD
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 13 8:55 2005

Vial: 22
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration



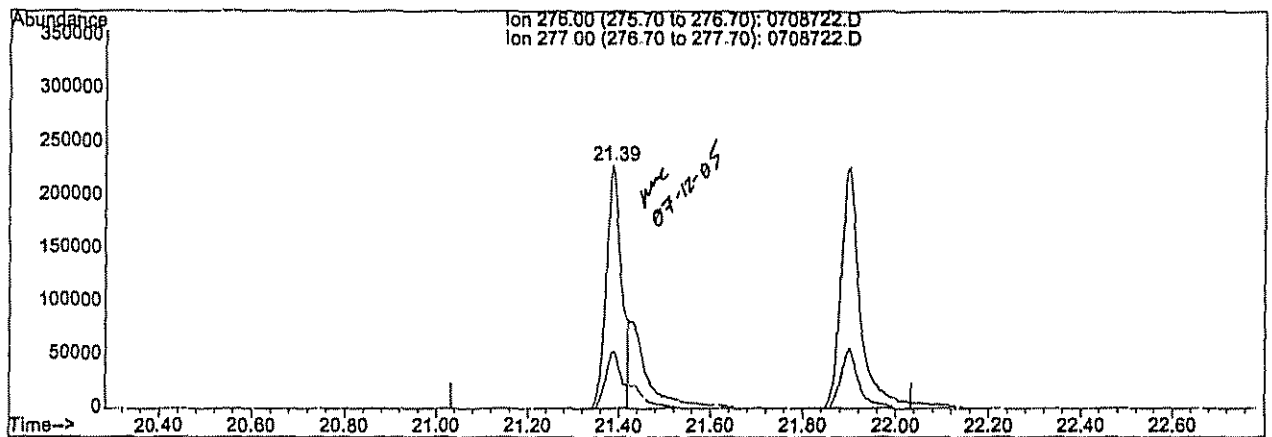
0708722.D 8270.M Wed Jul 13 08:58:08 2005 ENV

Page 4

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708722.D Vial: 22
Acq On : 9 Jul 2005 1:36 am Operator: MRC
Sample : G161-2048-22G x1 MSD Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 8:55 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.39min 9.48ug/mL m

response 533592

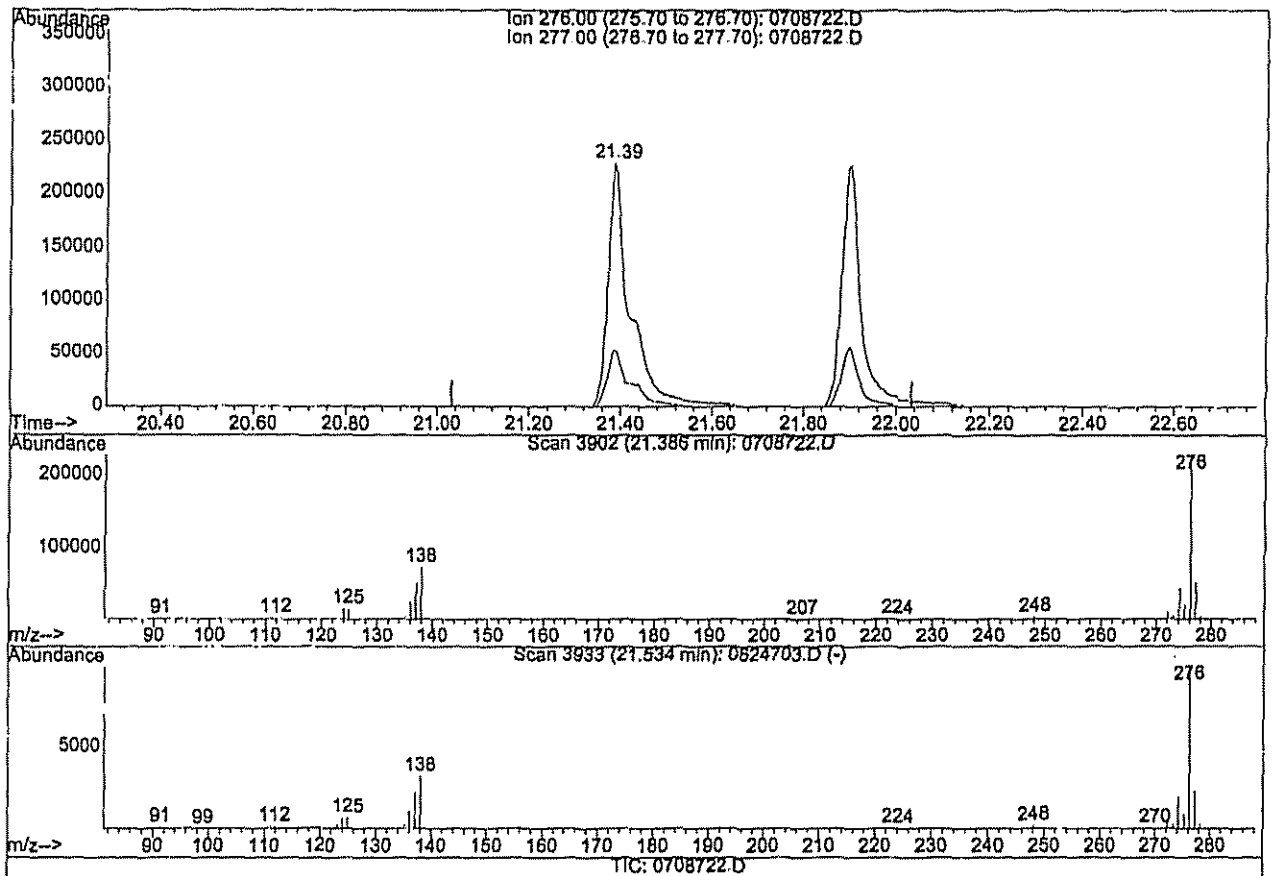
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.12
0.00	0.00	0.00
0.00	0.00	0.00

0708722.D 8270.M Wed Jul 13 08:55:44 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7070805\0708722.D Vial: 22
Acq On : 9 Jul 2005 1:36 am Operator: MRC
Sample : G161-2048-22G x1 MSD Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 8:55 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.39min 13.07ug/mL

response 769046

Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.12
0.00	0.00	0.00
0.00	0.00	0.00

0708722.D 8270.M Wed Jul 13 08:55:39 2005 ENV

8270-BN Prep, Standard, Run Logs

3540 / 8270 SOIL Log

Paradigm Analytical Lab

Batch: 3540/8270 - 3180

Lab ID	EXT	Date	CH2Cl2 Lot #	Initial Wt (g)	Spike ID	Spike Vol (mL)	Final Vol (mL)	Tech's Init
PB3180	PB	2005-07-06	CO196	32.0	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-22G	MSD	2005-07-06	CO196	32.68	QC: 8270SVMS01W14E SR: 8270SRSV03W20B	QC: 1.0 SR: 1.0	10.0	eaw
G161-2048-22F	MS	2005-07-06	CO196	32.21	QC: 8270SVMS01W14E SR: 8270SRSV03W20B	QC: 1.0 SR: 1.0	10.0	eaw
LCS3180	LCS	2005-07-06	CO196	32.0	QC: 8270SVMS01W14E SR: 8270SRSV03W20B	QC: 1.0 SR: 1.0	10.0	eaw
G161-2048-23D	DUP	2005-07-06	CO196	32.49	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-1H		2005-07-06	CO196	32.66	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-2H		2005-07-06	CO196	33.55	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-3H		2005-07-06	CO196	32.30	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-4H		2005-07-06	CO196	32.24	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-5H		2005-07-06	CO196	35.21	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-6H		2005-07-06	CO196	32.83	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-7H		2005-07-06	CO196	32.63	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-8H		2005-07-06	CO196	32.22	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-9H		2005-07-06	CO196	32.91	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-10H		2005-07-06	CO196	33.85	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-11H		2005-07-06	CO196	33.37	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-12H		2005-07-06	CO196	33.98	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-13H		2005-07-06	CO196	34.52	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-14I		2005-07-06	CO196	33.51	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-21C		2005-07-06	CO196	32.10	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-22E		2005-07-06	CO196	33.59	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-23C		2005-07-06	CO196	33.64	8270SRSV03W20B	1.0	10.0	eaw
G161-2048-24C		2005-07-06	CO196	34.21	8270SRSV03W20B	1.0	10.0	eaw
G197-55-1K		2005-07-06	CO196	32.75	8270SRSV03W20B	1.0	10.0	eaw
G161-2054-1G		2005-07-06	CO196	32.25	8270SRSV03W20B	1.0	10.0	eaw

Comments: _____

Technician's Signature: _____ Date: _____

Paradigm Analytical
MSD6 Runlog

Method: 8270 / 625
Matrix: Water / Soil
ICAL Batch ID: 6062705
Batch ID: 6062705

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W10-O
CAL STD ID: SVMS01-W11-R
IS STD ID: SVMS01-W13-V

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0627601.D	DFTPP 50ng	6/27/2005 16:38	OK			MRC	
0627602.D	SVCAL1	6/27/2005 17:02				MRC	
0627603.D	SVCAL2	6/27/2005 17:36				MRC	
0627604.D	SVCAL4	6/27/2005 18:11				MRC	
0627605.D	SVCAL6	6/27/2005 18:44	GOOD			MRC	
0627606.D	SVCAL8	6/27/2005 19:19	CURVE			MRC	
0627607.D	SVCAL12	6/27/2005 19:54				MRC	
0627608.D	SVCAL24	6/27/2005 20:29				MRC	
0627609.D	SVCAL48	6/27/2005 21:03				MRC	

Analyst: MC

Page Number: 1885

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

Paradigm Analytical
MSD6 Runlog

Method: 8270 / 625
Matrix: Water / Soil
ICAL Batch ID: 6062705
Batch ID: 6071105

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W14-J
CAL STD ID: SVMS01-W11-R
IS STD ID: SVMS01-W14-C

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0711601.D	DFTPP 50ng	7/11/2005 14:32	OK			MRC	
0711602.D	SVCVS6	7/11/2005 14:54	OK			MRC	
0711603.D	SVCVS24	7/11/2005 15:29	OK			MRC	
0711604.D	G161-2043-3D x1	7/11/2005 16:03		OK	OK	MRC	
0711605.D	G161-2043-6D x1	7/11/2005 16:37				MRC	
0711606.D	G161-2043-9D x1	7/11/2005 17:11				MRC	
0711607.D	G161-2043-12D x1	7/11/2005 17:44				MRC	
0711608.D	G161-2047-13H x1	7/11/2005 18:19				MRC	x4
0711609.D	G161-2047-14H x1	7/11/2005 18:53				MRC	
0711610.D	G161-2047-15H x1	7/11/2005 19:28				MRC	
0711611.D	G161-2047-16H x1	7/11/2005 20:01				MRC	
0711612.D	G161-2047-6I x1 DUP	7/11/2005 20:36				MRC	
0711613.D	G161-2047-7I x1 MS	7/11/2005 21:10				MRC	
0711614.D	G161-2047-7J x1 MSD	7/11/2005 21:45				MRC	
0711615.D	PB3202 x1	7/11/2005 22:19				MRC	
0711616.D	G161-2055-2H x1	7/11/2005 22:55				MRC	
0711617.D	G161-2055-2I x1 MS	7/11/2005 23:30				MRC	
0711618.D	G161-2055-2J x1 MSD	7/12/2005 0:05				MRC	
0711619.D	LCS3202 x1	7/12/2005 0:40				MRC	
0711620.D	G161-2054-1G x1	7/12/2005 1:14				MRC	

Analyst: MRC

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N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical
MSD6 Runlog

Method: 8270 / 625
Matrix: Water / Soil
ICAL Batch ID: 6062705
Batch ID: 6071105

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W14-J
CAL STD ID: SVMS01-W11-R
IS STD ID: SVMS01-W14-C

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0711621.D	G161-2062-10F x1 DUP	7/12/2005 1:48		ok	ok	MRC	
0711622.D	G161-2055-1G x1	7/12/2005 2:23		↓	↓	MRC	

Analyst: MC

Page Number: 1896

Paradigm Analytical
MSD7 Runlog

Method: 8270 / 625
Matrix: Water / Soil
Init.Cal. Batch 7062405
Batch: 7062405

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W10-O
CAL STD ID: SVMS01-W11-R
IS STD ID: SVMS01-W13-V

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0624701.D	DFTPP 50ng	6/24/2005 12:04	OK			MRC	
0624702.D	SVCAL48	6/24/2005 12:32				MRC	
0624703.D	SVCAL24	6/24/2005 13:06				MRC	
0624704.D	SVCAL12	6/24/2005 13:40	GOOD			MRC	
0624705.D	SVCAL8	6/24/2005 14:14	CURVE			MRC	
0624706.D	SVCAL6	6/24/2005 14:49				MRC	
0624707.D	SVCAL4	6/24/2005 15:23				MRC	
0624708.D	SVCAL2	6/24/2005 15:57				MRC	
0624709.D	SVCAL1	6/24/2005 16:32				MRC	
0624711.D	DFTPP 50ng	6/24/2005 17:01	OK			MRC	
0624712.D	SVCVS24	6/24/2005 17:25	OK			MRC	
0624713.D	SVCVS6	6/24/2005 17:58	OK			MRC	
0624714.D	PB3112 x1	6/24/2005 18:32		OK	OK	MRC	
0624715.D	LCS3112 x1	6/24/2005 19:08				MRC	
0624716.D	G510-223-4I MS x1	6/24/2005 19:42				MRC	
0624717.D	G510-223-4J MSD x1	6/24/2005 20:17				MRC	
0624718.D	G609-10-4I DUP x1	6/24/2005 20:51				MRC	
0624719.D	G510-223-1H x1	6/24/2005 21:24				MRC	
0624720.D	G510-223-2H x1	6/24/2005 21:59				MRC	
0624721.D	G510-223-3H x1	6/24/2005 22:33				MRC	

Analyst: MC

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PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

Paradigm Analytical
MSD7 Runlog

Method: 8270 / 625
Matrix: Water / Soil
Init.Cal. Batch 7062405
Batch: 7070805

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W14-J
CAL STD ID: SVMS01-W11-R
IS STD ID: SVMS01-W14-C

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0708701.D	DFTPP 50ng	7/8/2005 13:33	OK			MRC	
0708702.D	SVCVS6	7/8/2005 14:07	OK			MRC	
0708703.D	SVCVS24	7/8/2005 14:41	OK			MRC	
0708704.D	LCS3180 x1	7/8/2005 15:15		OK	OK	MRC	
0708705.D	pb3180 x1	7/8/2005 15:50				MRC	
0708706.D	G161-2048-1H x1	7/8/2005 16:24				MRC	x2
0708707.D	G161-2048-2H x1	7/8/2005 16:58				MRC	
0708708.D	G161-2048-3H x1	7/8/2005 17:32				MRC	
0708709.D	G161-2048-4H x1	7/8/2005 18:06				MRC	
0708710.D	G161-2048-5H x1	7/8/2005 18:41				MRC	
0708711.D	G161-2048-6H x1	7/8/2005 19:16				MRC	
0708712.D	G161-2048-7H x1	7/8/2005 19:50				MRC	
0708713.D	G161-2048-8H x1	7/8/2005 20:24				MRC	
0708714.D	G161-2048-9H x1	7/8/2005 20:58				MRC	
0708715.D	G161-2048-10H x1	7/8/2005 21:33				MRC	
0708716.D	G161-2048-11H x1	7/8/2005 22:09				MRC	
0708717.D	G161-2048-12H x1	7/8/2005 22:43				MRC	
0708718.D	G161-2048-13H x1	7/8/2005 23:17				MRC	
0708719.D	G161-2048-14I x1	7/8/2005 23:53				MRC	
0708720.D	G161-2048-21C x1	7/9/2005 0:28				MRC	

Analyst: MC

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N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

Paradigm Analytical
MSD7 Runlog

Method: 8270 / 625
Matrix: Water / Soil
Init.Cal. Batch 7062405
Batch: 7070805

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W14-J
CAL STD ID: SVMS01-W11-R
IS STD ID: SVMS01-W14-C

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0708721.D	G161-2048-22F x1 MS	7/9/2005 1:03		OK	OK	MRC	
0708722.D	G161-2048-22G x1 MSD	7/9/2005 1:36		↓	↓	MRC	

Analyst: KM

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PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

Paradigm Analytical
MSD7 Runlog

Method: 8270 / 625
Matrix: Water / Soil
Init.Cal. Batch 7062405
Batch: 7071105

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W14-J
CAL STD ID: SVMS01-W11-R
IS STD ID: SVMS01-W14-C

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0711701.D	DFTPP 50ng	7/11/2005 14:49	OK			MRC	
0711702.D	SVCVS6	7/11/2005 15:23	OK			MRC	
0711703.D	SVCVS24	7/11/2005 16:08	OK			MRC	
0711704.D	G161-2048-24C x1	7/11/2005 16:42		OK	OK	MRC	
0711705.D	G161-2048-22E x1	7/11/2005 17:16				MRC	
0711706.D	G161-2048-23C x1	7/11/2005 17:50				MRC	
0711707.D	G161-2048-23D x1 DUP	7/11/2005 18:25				MRC	
0711708.D	G510-234-1G x1	7/11/2005 19:00				MRC	
0711709.D	G510-234-2G x1	7/11/2005 19:35				MRC	
0711710.D	G510-234-3G x1	7/11/2005 20:09				MRC	
0711711.D	G510-234-4G x1	7/11/2005 20:43				MRC	
0711712.D	G510-234-5G x1	7/11/2005 21:18				MRC	
0711713.D	LCS3178 x1	7/11/2005 21:54				MRC	
0711714.D	G161-2050-2F x1 MS	7/11/2005 22:28				MRC	
0711715.D	G161-2050-2G x1 MSD	7/11/2005 23:02				MRC	
0711716.D	PB3178 x1	7/11/2005 23:37				MRC	
0711717.D	G161-2053-1H x1	7/12/2005 0:13				MRC	
0711718.D	PB3193 x1	7/12/2005 0:48				MRC	
0711719.D	G161-2063-1G x1	7/12/2005 1:21				MRC	
0711720.D	G161-2063-1H x1 MS	7/12/2005 1:54				MRC	

Analyst: MRC

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N C CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

Paradigm Analytical
MSD7 Runlog

Method: 8270 / 625
Matrix: Water / Soil
Init.Cal. Batch 7062405
Batch: 7071105

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W14-J
CAL STD ID: SVMS01-W11-R
IS STD ID: SVMS01-W14-C

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0711721.D	G161-2063-1I x1 MSD	7/12/2005 2:30		OK	OK	MRC	
0711722.D	LCS3193 x1	7/12/2005 3:07				MRC	
0711723.D	G161-2062-1E x1	7/12/2005 3:40				MRC	
0711724.D	G161-2062-2E x1	7/12/2005 4:15				MRC	x 2
0711725.D	G161-2062-3E x1	7/12/2005 4:51				MRC	
0711726.D	G161-2062-4E x1	7/12/2005 5:27				MRC	
0711727.D	G161-2062-5E x1	7/12/2005 6:02				MRC	
0711728.D	G161-2062-6E x1	7/12/2005 6:36				MRC	
0711729.D	G161-2062-7E x1	7/12/2005 7:10				MRC	
0711730.D	G161-2062-8E x1	7/12/2005 7:47				MRC	
0711731.D	G161-2062-9E x1	7/12/2005 8:22				MRC	
0711732.D	G161-2062-10E x1	7/12/2005 8:55				MRC	
0711733.D	G161-2062-11E x1	7/12/2005 9:30				MRC	
0711734.D	G161-2062-12E x1	7/12/2005 10:05				MRC	
0711735.D	G161-2062-13E x1	7/12/2005 10:39				MRC	
0711736.D	G161-2062-14E x1	7/12/2005 11:13				MRC	
0711737.D	G161-2062-15E x1	7/12/2005 11:47				MRC	
0711738.D	G546-40-1H x1	7/12/2005 12:21				MRC	
0711739.D	G161-2060-1H x1	7/12/2005 12:56				MRC	

Analyst: MC

Page Number: 1392

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical
MSD7 Runlog

Method: 8270 / 625
Matrix: Water / Soil
Init.Cal. Batch 7062405
Batch: 7071105

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W14-J
CAL STD ID: SVMS01-W11-R
IS STD ID: SVMS01-W14-C

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0711740.D	G161-2060-2H x1	7/12/2005 13:31		OK	OK	MRC	
0711741.D	G161-2060-3H x1	7/12/2005 14:05		↓	↓	MRC	
0711742.D	G563-64-1I x10	7/12/2005 15:58	8310 CONFIRMATION			MRC	

Analyst: MC

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PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

VPH Sample Raw Data

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp070805\011F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 11
Sample Name	: G161-2054-1B x1	Injection Number	: 1
Run Time Bar Code	: 138109	Sequence Line	: 1
Acquired on	: 08 Jul 05 11:57 AM	Instrument Method	: GAS1.MTH
Report Created on	: 08 Jul 05 04:15 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp070805\011F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.778	* not found *			1		n-Pentane
3.864	* not found *			1		2-Methylpentane
4.282	* not found *			1		MTBE
6.308	3149	BV	0.096	1	0.605	2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.925	2741	VV	0.041	1	0.291	Toluene
8.683	16407	BV	0.042	1	4.117	n-Nonane
8.842	3546	VV	0.042	1	0.347	EBenz, m-,p-Xylene
9.086	1310	BV	0.037	1	0.130	o-Xylene
9.402	83589	PV	0.029	1	321.983	BFB
9.762	4618	VV	0.048	1	0.492	1,2,4-Trimethylbenzene
11.209	1246	VV	0.027	1	0.294	Naphthalene
8.385	1860	BV	0.053		18.603	* uncalibrated *
8.460	1228	VB	0.053		12.279	* uncalibrated *
9.134	2092	VV	0.045		20.916	* uncalibrated *
9.524	2915	VV	0.057		29.154	* uncalibrated *
9.881	1573	VB	0.033		15.733	* uncalibrated *
10.001	1113	BV	0.031		11.131	* uncalibrated *

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp070805\011R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 11
Sample Name	: G161-2054-1B x1	Injection Number	: 1
Run Time Bar Code	: 138109	Sequence Line	: 1
Acquired on	: 08 Jul 05 11:57 AM	Instrument Method	: GAS1.MTH
Report Created on	: 08 Jul 05 04:15 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp070805\011R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.829	* not found *			1		n-Pentane
3.878	* not found *			1		2-Methylpentane
4.267	* not found *			1		MTBE
6.320	3615	BV	0.095	1	0.238	2,2,4-Trimethylpentane
6.605	1390	VV	0.072	1	0.0175	Benzene
7.926	5221	BV	0.040	1	0.128	Toluene
8.686	7766	BV	0.046	1	1.144	n-Nonane
8.843	7421	VB	0.044	1	0.219	ethbzene/m,p-xylene
9.085	3750	BV	0.058	1	0.0968	o-Xylene
9.405	392464	BV	0.032	1	26.415	BFB(pid)
9.762	6065	VV	0.043	1	0.198	1,2,4-Trimethylbenzene
11.209	3045	VV	0.030	1	0.174	Naphthalene(pid)
2.124	179138	BV	0.102		1791.382	* uncalibrated *
8.386	1407	BV	0.066		14.066	* uncalibrated *
8.465	774	VB	0.051		7.737	* uncalibrated *
9.523	5409	VV	0.053		54.094	* uncalibrated *
9.881	3050	VV	0.036		30.504	* uncalibrated *
10.005	1258	VV	0.040		12.580	* uncalibrated *
10.081	774	VV	0.033		7.736	* uncalibrated *
10.116	943	VV	0.034		9.431	* uncalibrated *
10.326	1112	BV	0.050		11.121	* uncalibrated *
10.556	1756	VV	0.055		17.561	* uncalibrated *
10.811	1125	VV	0.051		11.247	* uncalibrated *
10.971	992	PV	0.064		9.923	* uncalibrated *
11.055	721	VV	0.045		7.211	* uncalibrated *
11.352	263	PV	0.029		2.627	* uncalibrated *
11.763	1223	VV	0.039		12.228	* uncalibrated *
12.359	481	PBA	0.030		4.811	* uncalibrated *

Not all calibrated peaks were found

External Standard Report

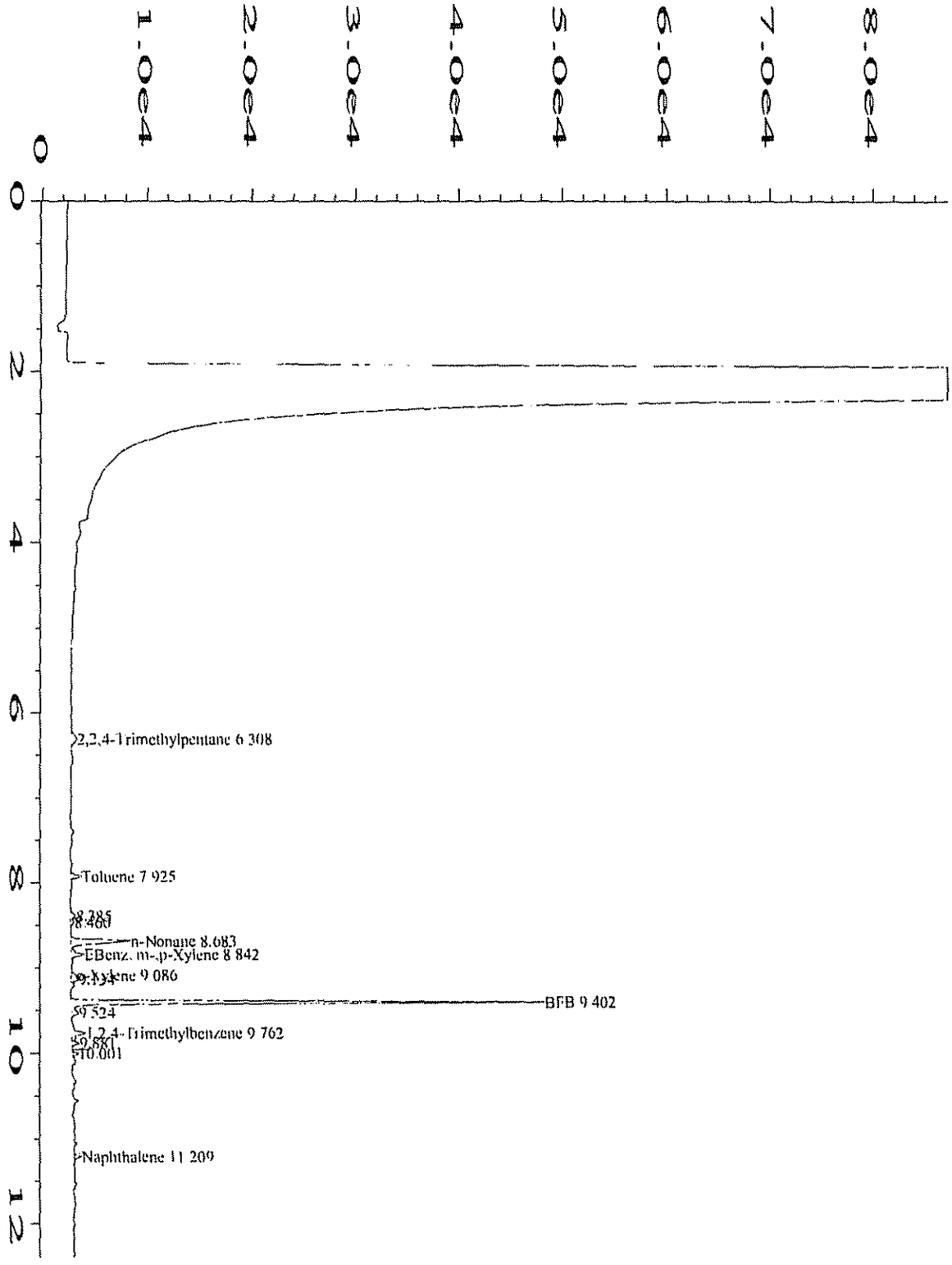
Data File Name	: C:\HPCHEM\1\DATA\vp070805\011F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 11
Sample Name	: 138109 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 11:57 AM	Instrument Method	: GAS1.MTH
Report Created on:	08 Jul 05 04:15 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp070805\011F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.778	* not found *			1		n-Pentane
3.864	* not found *			1		2-Methylpentane
4.282	* not found *			1		MTBE
6.308	3149	BV	0.096	1	0.605	2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.925	2741	VV	0.041	1	0.291	Toluene
8.683	16407	BV	0.042	1	4.117	n-Nonane
8.842	3546	VV	0.042	1	0.347	EBenz, m-,p-Xylene
9.086	1310	BV	0.037	1	0.130	o-Xylene
9.402	83589	PV	0.029	1	321.983	BFB
9.762	4618	VV	0.048	1	0.492	1,2,4-Trimethylbenzene
11.209	1246	VV	0.027	1	0.294	Naphthalene
8.385	1860	BV	0.053		18.603	* uncalibrated *
8.460	1228	VB	0.053		12.279	* uncalibrated *
9.134	2092	VV	0.045		20.916	* uncalibrated *
9.524	2915	VV	0.057		29.154	* uncalibrated *
9.881	1573	VB	0.033		15.733	* uncalibrated *
10.001	1113	BV	0.031		11.131	* uncalibrated *

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp070805\011F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 11
Sample Name	: 138109 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 11:57 AM	Instrument Method:	GAS1.MTH
Report Created on:	08 Jul 05 04:15 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

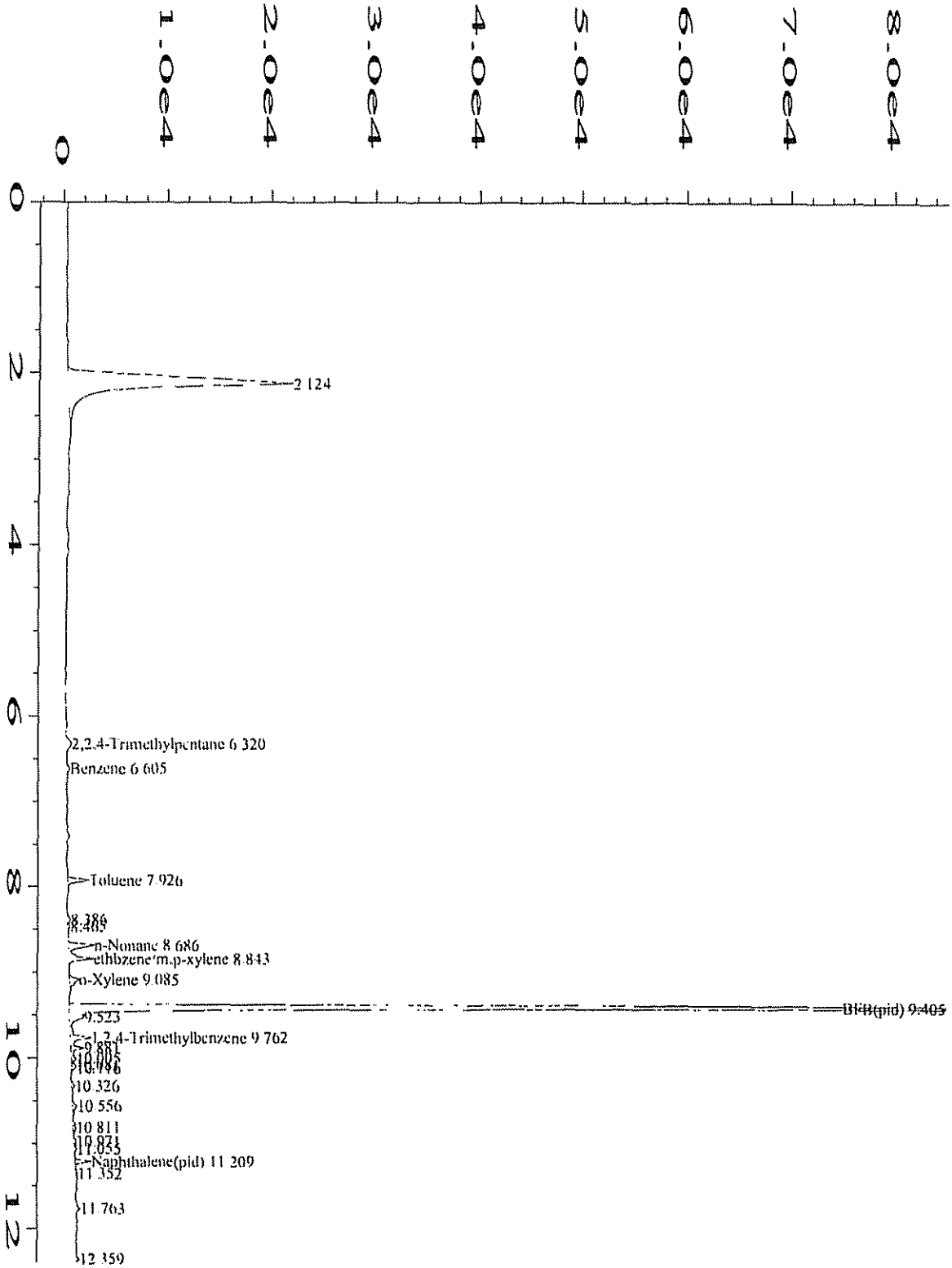
External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp070805\011R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 11
Sample Name	: 138109 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 11:57 AM	Instrument Method	: GAS1.MTH
Report Created on:	08 Jul 05 04:15 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp070805\011R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.829	* not found *			1		n-Pentane
3.878	* not found *			1		2-Methylpentane
4.267	* not found *			1		MTBE
6.320	3615	BV	0.095	1	0.238	2,2,4-Trimethylpentane
6.605	1390	VV	0.072	1	0.0175	Benzene
7.926	5221	BV	0.040	1	0.128	Toluene
8.686	7766	BV	0.046	1	1.144	n-Nonane
8.843	7421	VB	0.044	1	0.219	ethbzene/m,p-xylene
9.085	3750	BV	0.058	1	0.0968	o-Xylene
9.405	392464	BV	0.032	1	26.415	BFB(pid)
9.762	6065	VV	0.043	1	0.198	1,2,4-Trimethylbenzene
11.209	3045	VV	0.030	1	0.174	Naphthalene(pid)
2.124	179138	BV	0.102		1791.382	* uncalibrated *
8.386	1407	BV	0.066		14.066	* uncalibrated *
8.465	774	VB	0.051		7.737	* uncalibrated *
9.523	5409	VV	0.053		54.094	* uncalibrated *
9.881	3050	VV	0.036		30.504	* uncalibrated *
10.005	1258	VV	0.040		12.580	* uncalibrated *
10.081	774	VV	0.033		7.736	* uncalibrated *
10.116	943	VV	0.034		9.431	* uncalibrated *
10.326	1112	BV	0.050		11.121	* uncalibrated *
10.556	1756	VV	0.055		17.561	* uncalibrated *
10.811	1125	VV	0.051		11.247	* uncalibrated *
10.971	992	PV	0.064		9.923	* uncalibrated *
11.055	721	VV	0.045		7.211	* uncalibrated *
11.352	263	PV	0.029		2.627	* uncalibrated *
11.763	1223	VV	0.039		12.228	* uncalibrated *
12.359	481	PBA	0.030		4.811	* uncalibrated *

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp070805\011R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 11
Sample Name	: 138109 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 11:57 AM	Instrument Method	: GAS1.MTH
Report Created on	: 08 Jul 05 04:15 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

VPH Calibration Raw Data

External Standard Report

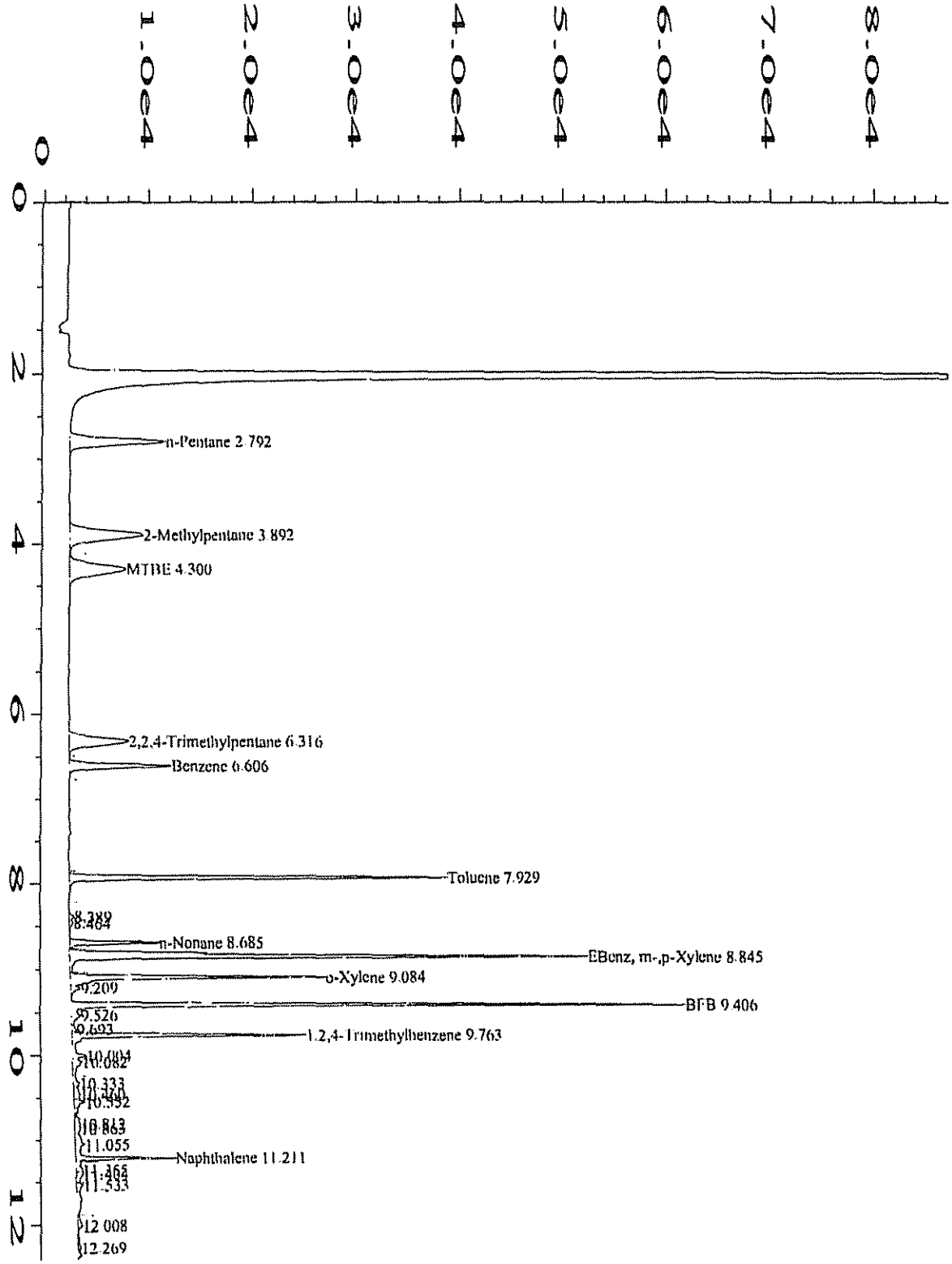
Data File Name : C:\HPCHEM\1\DATA\vp060805\003F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : v10
Run Time Bar Code:
Acquired on : 08 Jun 05 11:43 AM
Report Created on: 13 Jul 05 04:35 PM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

Sig. 1 in C:\HPCHEM\1\DATA\vp060805\003F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.792	50606	BB	0.083	1	50.476	n-Pentane
3.892	53831	BV	0.110	1	9.561	2-Methylpentane
4.300	46273	VB	0.132	1	108.471	MTBE
6.316	37685	BV	0.103	1	7.238	2,2,4-Trimethylpentane
6.606	34745	VB	0.055	1	4.404	Benzene
7.929	88108	BV	0.038	1	9.353	Toluene
8.685	19851	BV	0.036	1	4.981	n-Nonane
8.845	132408	VV	0.039	1	12.944	EBenz, m-,p-Xylene
9.084	57160	VV	0.036	1	5.675	o-Xylene
9.406	108461	VV	0.029	1	417.792	BFB
9.763	47880	VV	0.033	1	5.096	1,2,4-Trimethylbenzene
11.211	18296	VV	0.029	1	4.317	Naphthalene
8.389	1780	BV	0.050		17.803	* uncalibrated *
8.464	1782	VB	0.059		17.820	* uncalibrated *
9.209	3348	VV	0.051		33.479	* uncalibrated *
9.526	5139	VV	0.076		51.389	* uncalibrated *
9.693	1644	VV	0.060		16.443	* uncalibrated *
10.004	5267	VV	0.055		52.671	* uncalibrated *
10.082	6009	VV	0.092		60.094	* uncalibrated *
10.333	3028	VV	0.069		30.282	* uncalibrated *
10.460	4140	VV	0.090		41.398	* uncalibrated *
10.552	4033	VV	0.053		40.331	* uncalibrated *
10.812	3428	VV	0.097		34.276	* uncalibrated *
10.863	2592	VV	0.070		25.919	* uncalibrated *
11.055	7134	VV	0.099		71.338	* uncalibrated *
11.355	2254	VV	0.062		22.539	* uncalibrated *
11.404	3619	VV	0.074		36.189	* uncalibrated *
11.533	2897	VV	0.066		28.973	* uncalibrated *
12.008	2517	VV	0.084		25.174	* uncalibrated *
12.269	1979	PV	0.097		19.794	* uncalibrated *

Calibration table contains at least one peak with amt = 0



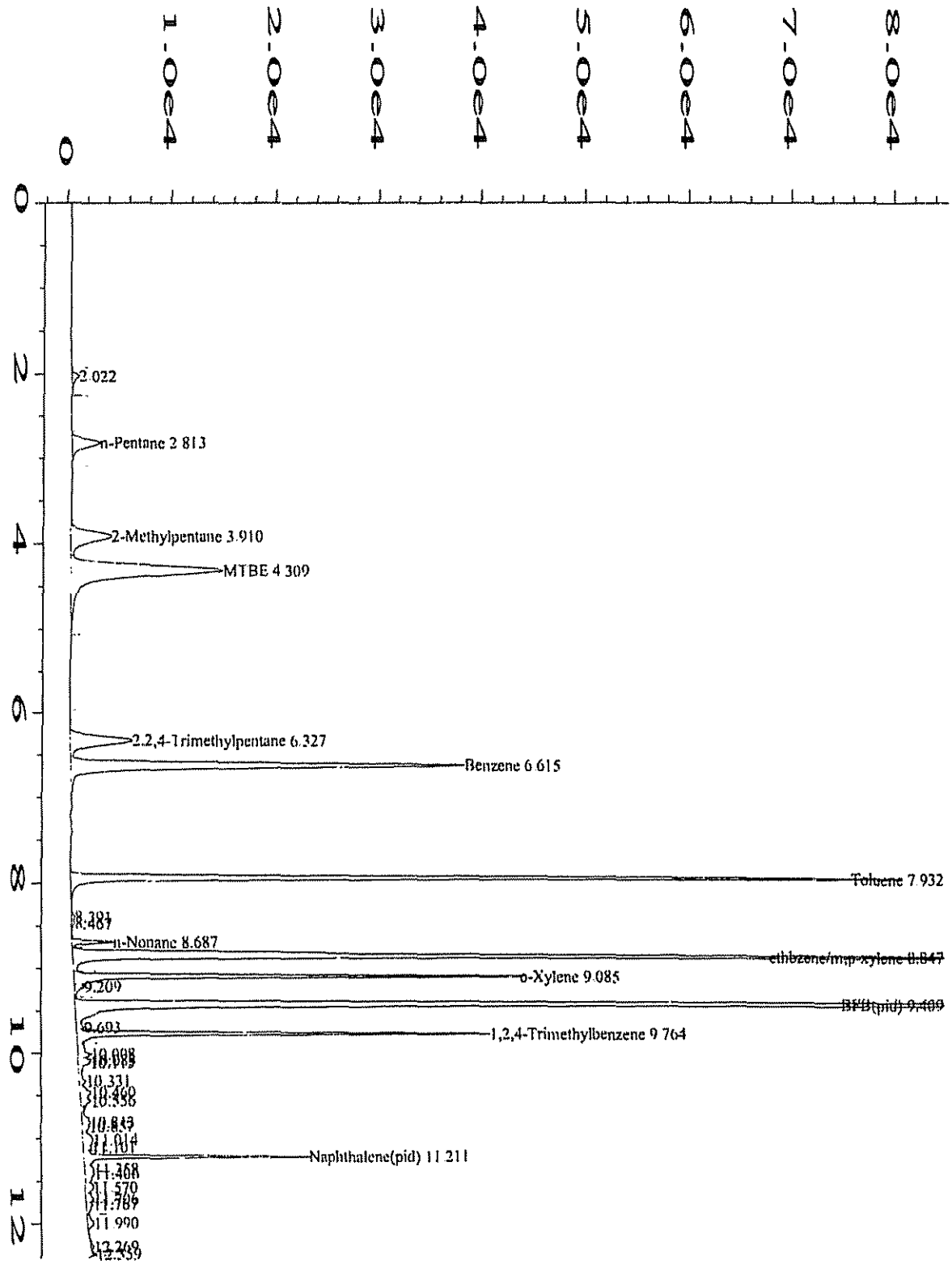
Data File Name	: C:\HPCHEM\1\DATA\vp060805\003F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 3
Sample Name	: v10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 11:43 AM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp060805\003R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 3
Sample Name	: v10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 11:43 AM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp060805\003R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.813	19294	BV	0.100	1	3.077	n-Pentane
3.910	34763	BV	0.128	1	3.681	2-Methylpentane
4.309	140904	VB	0.146	1	4.675	MTBE
6.327	44137	BV	0.113	1	2.901	2,2,4-Trimethylpentane
6.615	167394	VV	0.067	1	2.104	Benzene
7.932	210603	VV	0.041	1	5.161	Toluene
8.687	9610	PV	0.038	1	1.416	n-Nonane
8.847	280884	VV	0.080	1	8.304	ethbzene/m,p-xylene
9.085	101093	VV	0.036	1	2.610	o-Xylene
9.409	554365	VV	0.034	1	37.311	BFB(pid)
9.764	85283	VV	0.034	1	2.778	1,2,4-Trimethylbenzene
11.211	43255	VV	0.031	1	2.471	Naphthalene(pid)
2.022	4247	BB	0.083		42.472	* uncalibrated *
8.391	1322	PV	0.056		13.217	* uncalibrated *
8.467	1509	VV	0.066		15.090	* uncalibrated *
9.209	4350	VV	0.079		43.499	* uncalibrated *
9.693	2610	VV	0.061		26.100	* uncalibrated *
10.008	7802	VV	0.081		78.021	* uncalibrated *
10.083	3817	VV	0.050		38.169	* uncalibrated *
10.115	4657	VV	0.069		46.572	* uncalibrated *
10.331	3009	VV	0.065		30.088	* uncalibrated *
10.460	6569	VV	0.088		65.688	* uncalibrated *
10.556	3899	VV	0.056		38.987	* uncalibrated *
10.813	4669	VV	0.099		46.686	* uncalibrated *
10.857	2946	VV	0.065		29.458	* uncalibrated *
11.014	7597	VV	0.102		75.973	* uncalibrated *
11.101	2435	VV	0.051		24.352	* uncalibrated *
11.358	3401	VV	0.064		34.006	* uncalibrated *
11.406	5290	VV	0.099		52.903	* uncalibrated *
11.570	4482	VV	0.103		44.816	* uncalibrated *
11.706	3843	VV	0.074		38.425	* uncalibrated *
11.767	3389	VV	0.087		33.886	* uncalibrated *
11.990	3998	VV	0.102		39.979	* uncalibrated *
12.269	1518	PV	0.076		15.176	* uncalibrated *
12.359	884	PBA	0.047		8.843	* uncalibrated *



Data File Name	: C:\HPCHEM\1\DATA\vp060805\003R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 3
Sample Name	: v10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 11:43 AM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

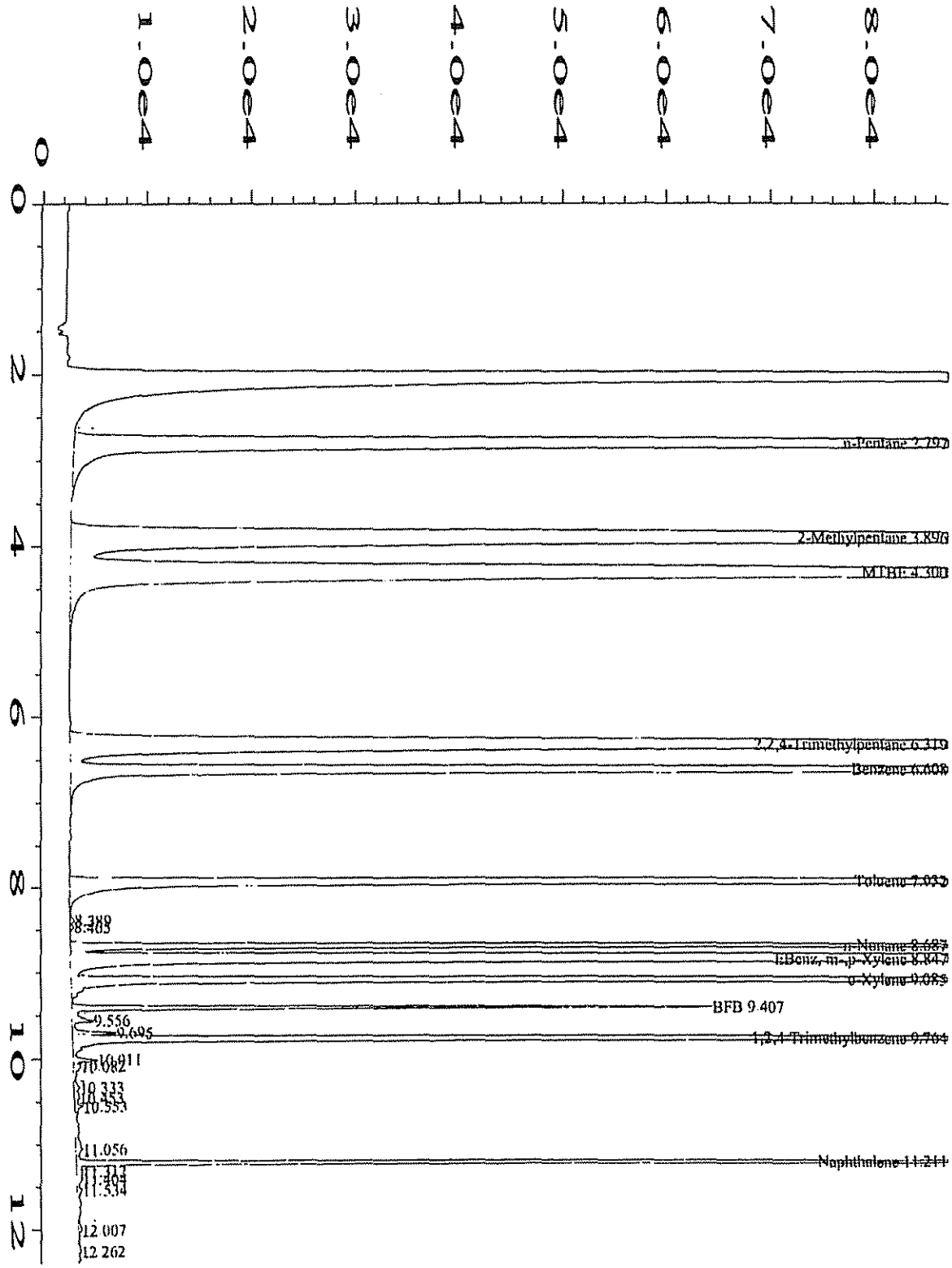
External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp060805\004F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 4
Sample Name	: v250	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 12:08 PM	Instrument Method	: GAS1.MTH
Report Created on:	13 Jul 05 04:35 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp060805\004F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.797	1247221	BB	0.087	1	2837.575	n-Pentane
3.896	1374822	BV	0.119	1	1853.631	2-Methylpentane
4.300	1190286	VB	0.134	1	32418.19	MTBE
6.319	982259	VV	0.103	1	2004.094	2,2,4-Trimethylpentane
6.608	905386	VV	0.056	1	816.518	Benzene
7.932	2231489	VV	0.038	1	2315.879	Toluene
8.687	473923	PV	0.035	1	574.862	n-Nonane
8.847	3238432	VV	0.038	1	3472.848	EBenz, m-,p-Xylene
9.085	1289972	VV	0.063	1	1399.492	o-Xylene
9.407	112559	VV	0.030	1	433.575	BFB
9.764	1053332	VV	0.031	1	1210.666	1,2,4-Trimethylbenzene
11.211	388249	VV	0.027	1	-2414.976	Naphthalene
8.389	1965	VV	0.059		19.650	* uncalibrated *
8.465	1570	VV	0.057		15.699	* uncalibrated *
9.556	7874	VV	0.053		78.738	* uncalibrated *
9.695	8657	VV	0.034		86.572	* uncalibrated *
10.011	6061	VV	0.039		60.610	* uncalibrated *
10.082	3311	VV	0.079		33.113	* uncalibrated *
10.333	2681	VV	0.069		26.814	* uncalibrated *
10.453	3069	VV	0.084		30.687	* uncalibrated *
10.553	3014	VV	0.060		30.139	* uncalibrated *
11.056	5356	VV	0.102		53.564	* uncalibrated *
11.312	2623	VV	0.082		26.227	* uncalibrated *
11.404	2752	VV	0.072		27.516	* uncalibrated *
11.534	2407	VV	0.067		24.072	* uncalibrated *
12.007	1962	VV	0.084		19.615	* uncalibrated *
12.262	1534	PV	0.102		15.337	* uncalibrated *

Calibration table contains at least one peak with amt = 0



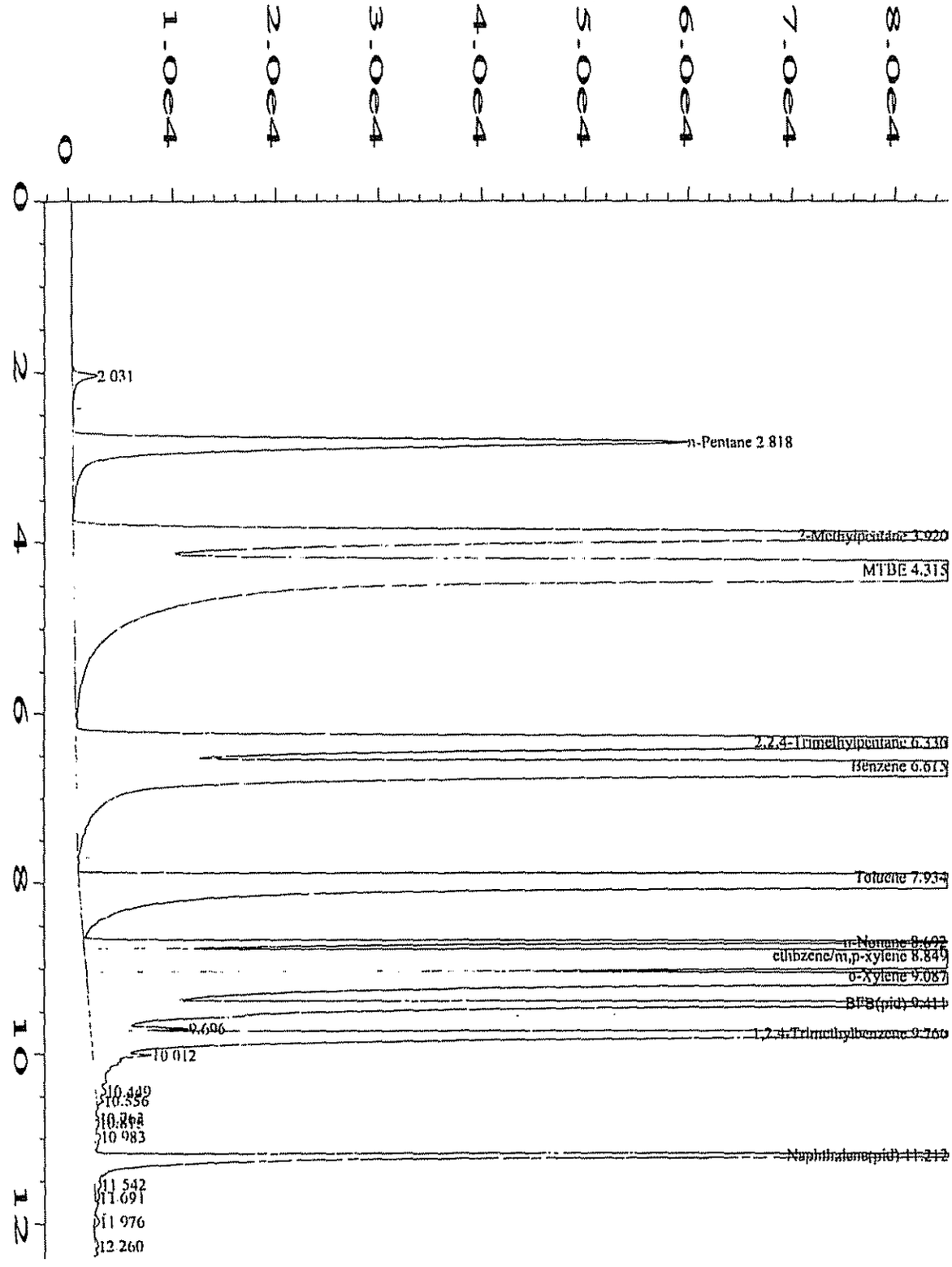
Data File Name	: C:\HPCHEM\1\DATA\vp060805\004F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 4
Sample Name	: v250	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 12:08 PM	Instrument Method:	GAS1.MTH
Report Created on:	13 Jul 05 04:35 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp060805\004R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 4
Sample Name	: v250	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 12:08 PM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp060805\004R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.818	481241	BV	0.119	1	76.740	n-Pentane
3.920	1039290	BV	0.143	1	110.056	2-Methylpentane
4.315	4913667	VV	0.162	1	163.013	MTBE
6.336	1488485	VV	0.126	1	97.826	2,2,4-Trimethylpentane
6.615	4891751	VV	0.079	1	61.483	Benzene
7.934	7370225	PV	0.051	1	180.625	Toluene
8.692	310637	VV	0.044	1	45.768	n-Nonane
8.849	9417259	VV	0.049	1	278.410	ethbzene/m,p-xylene
9.087	3857027	VV	0.047	1	99.579	o-Xylene
9.411	940271	VV	0.045	1	63.285	BFB(pid)
9.766	2422481	VV	0.036	1	78.902	1,2,4-Trimethylbenzene
11.212	1060777	VV	0.030	1	60.606	Naphthalene(pid)
2.031	15283	BB	0.089		152.831	* uncalibrated *
9.696	23439	VV	0.041		234.386	* uncalibrated *
10.012	20242	VV	0.050		202.421	* uncalibrated *
10.449	6189	VV	0.083		61.890	* uncalibrated *
10.556	2931	VV	0.059		29.307	* uncalibrated *
10.763	747	BV	0.037		7.470	* uncalibrated *
10.815	1376	VV	0.064		13.764	* uncalibrated *
10.983	3538	PV	0.115		35.384	* uncalibrated *
11.542	3462	VV	0.087		34.624	* uncalibrated *
11.691	2640	VV	0.076		26.401	* uncalibrated *
11.976	3132	VV	0.098		31.320	* uncalibrated *
12.260	1892	PV	0.084		18.916	* uncalibrated *



Data File Name	: C:\HPCHEM\1\DATA\vp060805\004R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 4
Sample Name	: v250	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 12:08 PM	Instrument Method:	GAS1.MTH(
Report Created on:	13 Jul 05 04:35 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

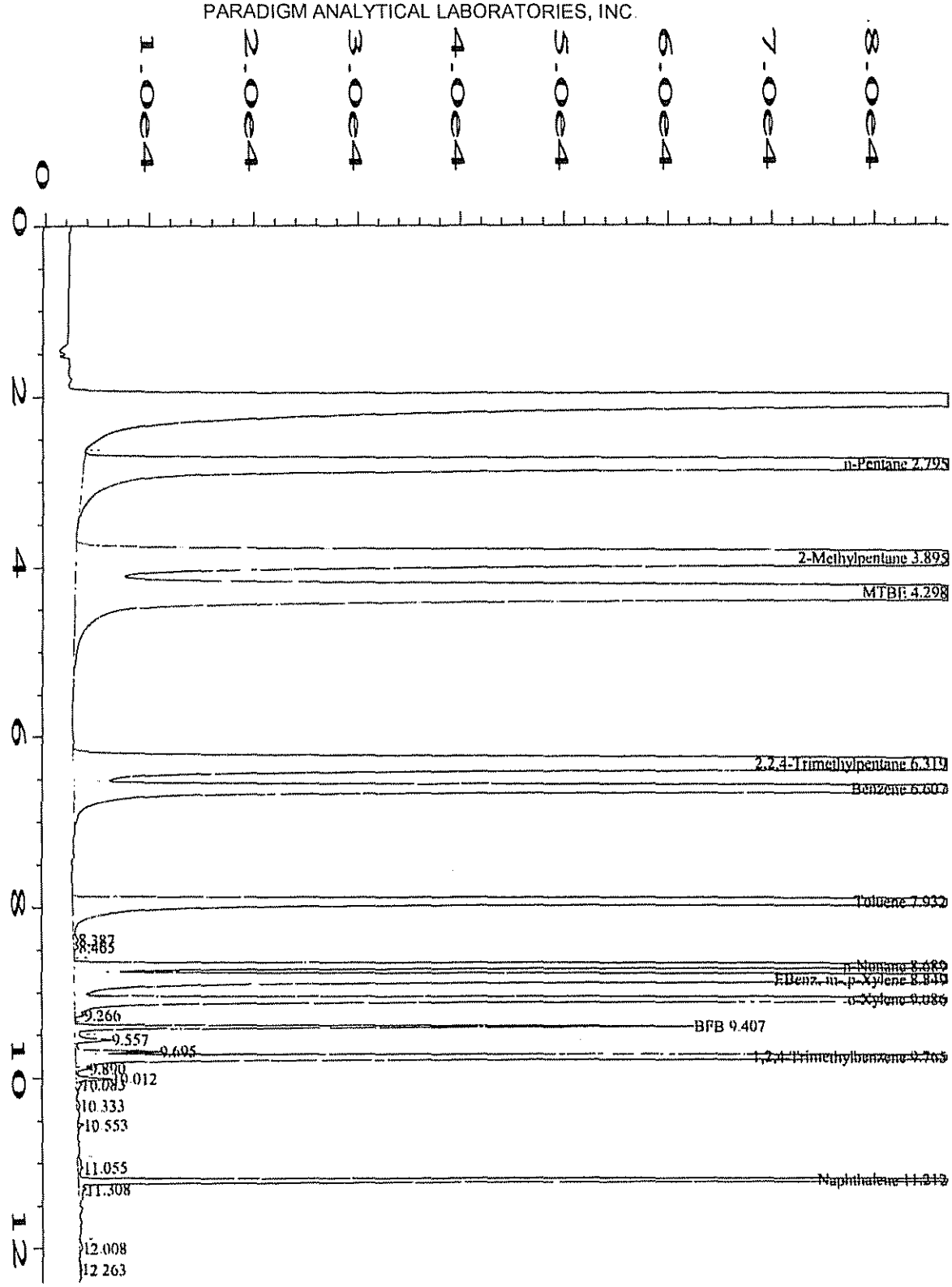
External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp060805\005F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 5
Sample Name	: v500	Injection Number	: 1
Run Time Bar Code	:	Sequence Line	: 1
Acquired on	: 08 Jun 05 12:33 PM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp060805\005F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.795	2532734	BV	0.087	1	6540.663	n-Pentane
3.895	2851760	PV	0.120	1	4408.166	2-Methylpentane
4.298	2527589	VB	0.134	1	77959.53	MTBE
6.319	2119282	VV	0.103	1	5303.912	2,2,4-Trimethylpentane
6.607	1867935	VV	0.056	1	1842.071	Benzene
7.932	4419114	VV	0.038	1	5277.617	Toluene
8.689	1582864	BV	0.035	1	2460.752	n-Nonane
8.849	6585271	VV	0.037	1	8568.118	EBenz, m-,p-Xylene
9.086	2556473	VV	0.033	1	3340.445	o-Xylene
9.407	107976	PV	0.029	1	415.922	BFB
9.765	2113436	VV	0.031	1	3042.428	1,2,4-Trimethylbenzene
11.212	856685	VV	0.026	1	-7672.628	Naphthalene
8.387	2166	VV	0.062		21.660	* uncalibrated *
8.465	1627	VB	0.051		16.269	* uncalibrated *
9.266	2229	VV	0.038		22.289	* uncalibrated *
9.557	9689	VV	0.040		96.887	* uncalibrated *
9.695	16494	VV	0.034		164.943	* uncalibrated *
9.890	3109	VV	0.040		31.090	* uncalibrated *
10.012	7540	VV	0.034		75.404	* uncalibrated *
10.083	1975	VV	0.060		19.751	* uncalibrated *
10.333	1408	PV	0.059		14.080	* uncalibrated *
10.553	1484	VV	0.039		14.838	* uncalibrated *
11.055	3505	VV	0.087		35.050	* uncalibrated *
11.308	2685	VV	0.049		26.853	* uncalibrated *
12.008	1755	VV	0.082		17.548	* uncalibrated *
12.263	1292	PV	0.096		12.920	* uncalibrated *

Calibration table contains at least one peak with amt = 0



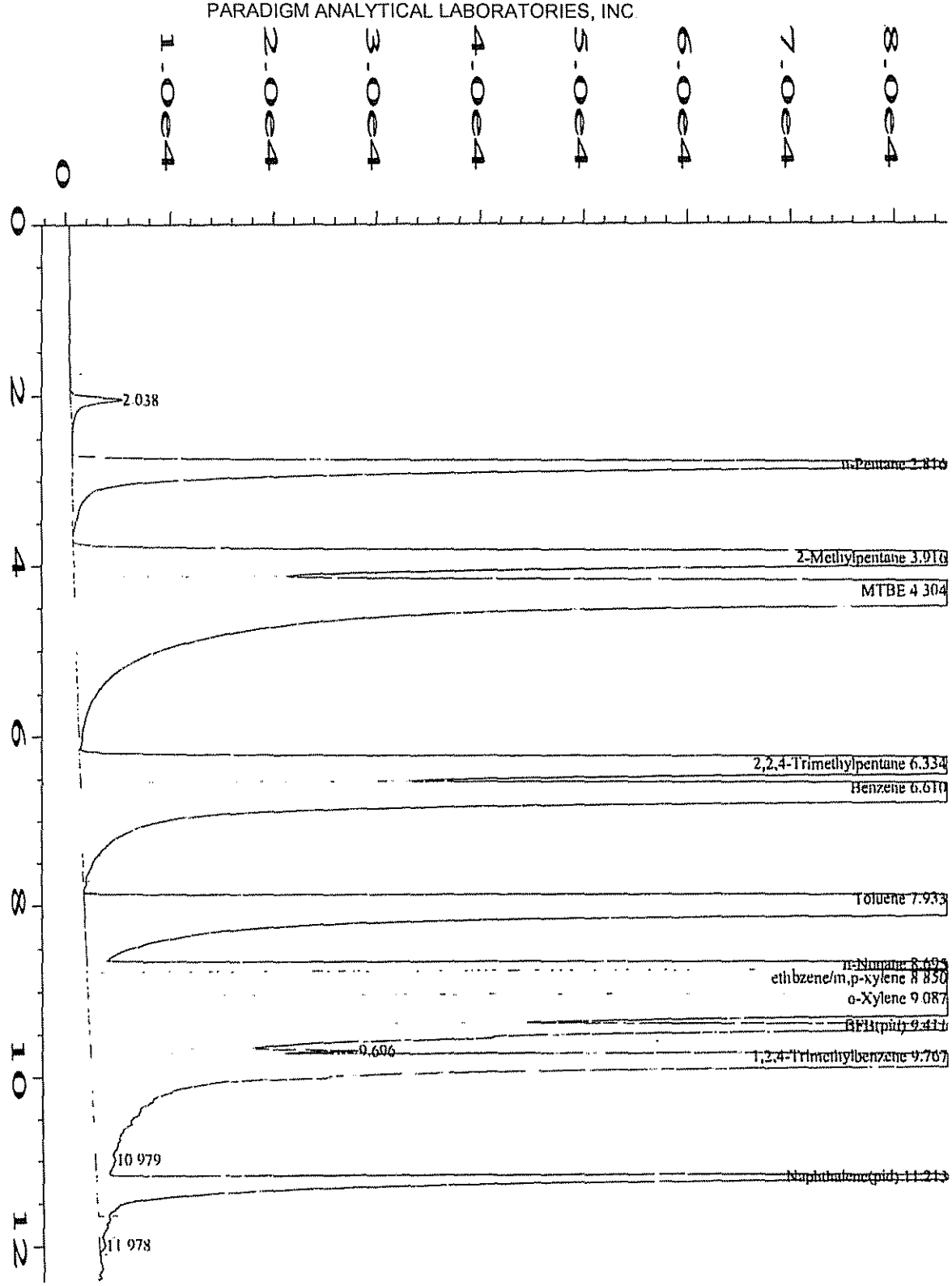
Data File Name	: C:\HPCHEM\1\DATA\vp060805\005F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 5
Sample Name	: v500	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 12:33 PM	Instrument Method:	GAS1.MTH
Report Created on:	13 Jul 05 04:35 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp060805\005R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 5
Sample Name	: v500	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 12:33 PM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp060805\005R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.816	930374	BV	0.121	1	148.360	n-Pentane
3.916	2081555	PV	0.141	1	220.427	2-Methylpentane
4.304	9513961	VV	0.163	1	315.629	MTBE
6.334	3199867	VV	0.130	1	210.302	2,2,4-Trimethylpentane
6.610	8605731	VV	0.081	1	108.163	Benzene
7.933	1.31159E+007	PV	0.054	1	321.437	Toluene
8.695	1196395	VV	0.048	1	176.271	n-Nonane
8.850	1.73429E+007	VV	0.052	1	512.721	ethbzene/m,p-xylene
9.087	8269537	VV	0.051	1	213.499	o-Xylene
9.411	1340006	VV	0.057	1	90.189	BFB(pid)
9.767	5669530	VV	0.040	1	184.661	1,2,4-Trimethylbenzene
11.213	2571371	VV	0.032	1	146.911	Naphthalene(pid)
2.038	29718	BV	0.082		297.178	* uncalibrated *
9.696	72636	VV	0.040		726.357	* uncalibrated *
10.979	21490	VV	0.140		214.898	* uncalibrated *
11.978	4231	VV	0.109		42.310	* uncalibrated *



Data File Name	: C:\HPCHEM\1\DATA\vp060805\005R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 5
Sample Name	: v500	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 12:33 PM	Instrument Method:	GAS1.MTH
Report Created on:	13 Jul 05 04:35 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

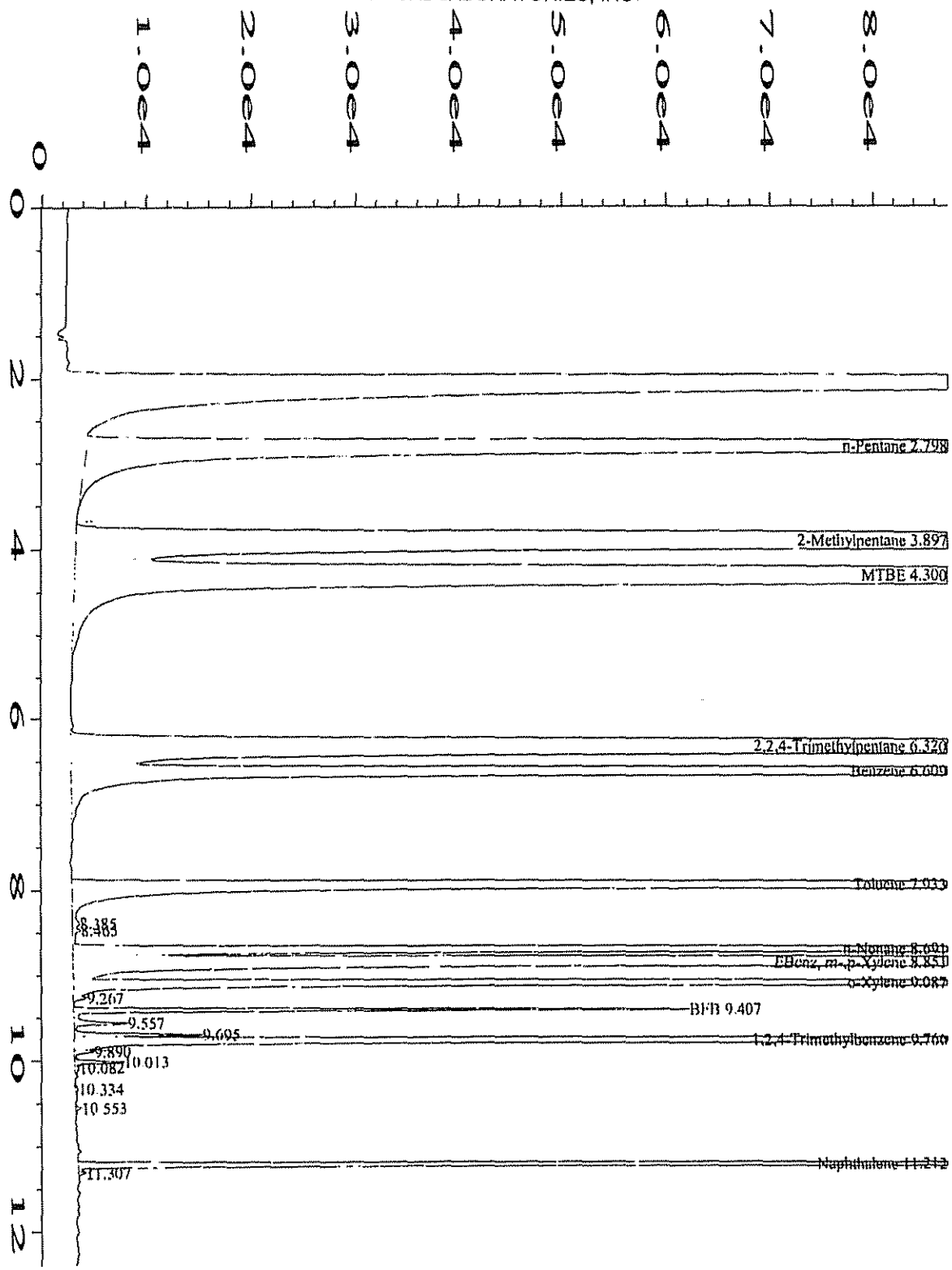
External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp060805\006F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 6
Sample Name	: v750	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 12:58 PM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp060805\006F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.798	3488197	BV	0.089	1	9292.997	n-Pentane
3.897	4166280	PV	0.119	1	6681.781	2-Methylpentane
4.300	3599822	VB	0.135	1	114474.0	MTBE
6.320	3533741	VV	0.103	1	9408.891	2,2,4-Trimethylpentane
6.609	2724053	VV	0.057	1	2754.229	Benzene
7.933	6542337	BV	0.037	1	8152.164	Toluene
8.691	2993128	VV	0.036	1	4859.081	n-Nonane
8.851	9884734	VV	0.036	1	13591.26	EBenz, m-,p-Xylene
9.087	3777352	VV	0.033	1	5211.481	o-Xylene
9.407	107414	VV	0.029	1	413.757	BFB
9.766	3133416	VV	0.030	1	4804.860	1,2,4-Trimethylbenzene
11.212	1303774	PV	0.026	1	-12690.68	Naphthalene
8.385	3529	VV	0.070		35.292	* uncalibrated *
8.465	2937	VV	0.054		29.370	* uncalibrated *
9.267	3431	VV	0.040		34.314	* uncalibrated *
9.557	12994	VV	0.038		129.941	* uncalibrated *
9.695	24771	VV	0.031		247.707	* uncalibrated *
9.890	4326	VV	0.038		43.258	* uncalibrated *
10.013	10009	VV	0.033		100.092	* uncalibrated *
10.082	1716	VV	0.059		17.162	* uncalibrated *
10.334	1048	PV	0.055		10.477	* uncalibrated *
10.553	1381	BV	0.036		13.807	* uncalibrated *
11.307	1539	VV	0.032		15.393	* uncalibrated *

Calibration table contains at least one peak with amt = 0



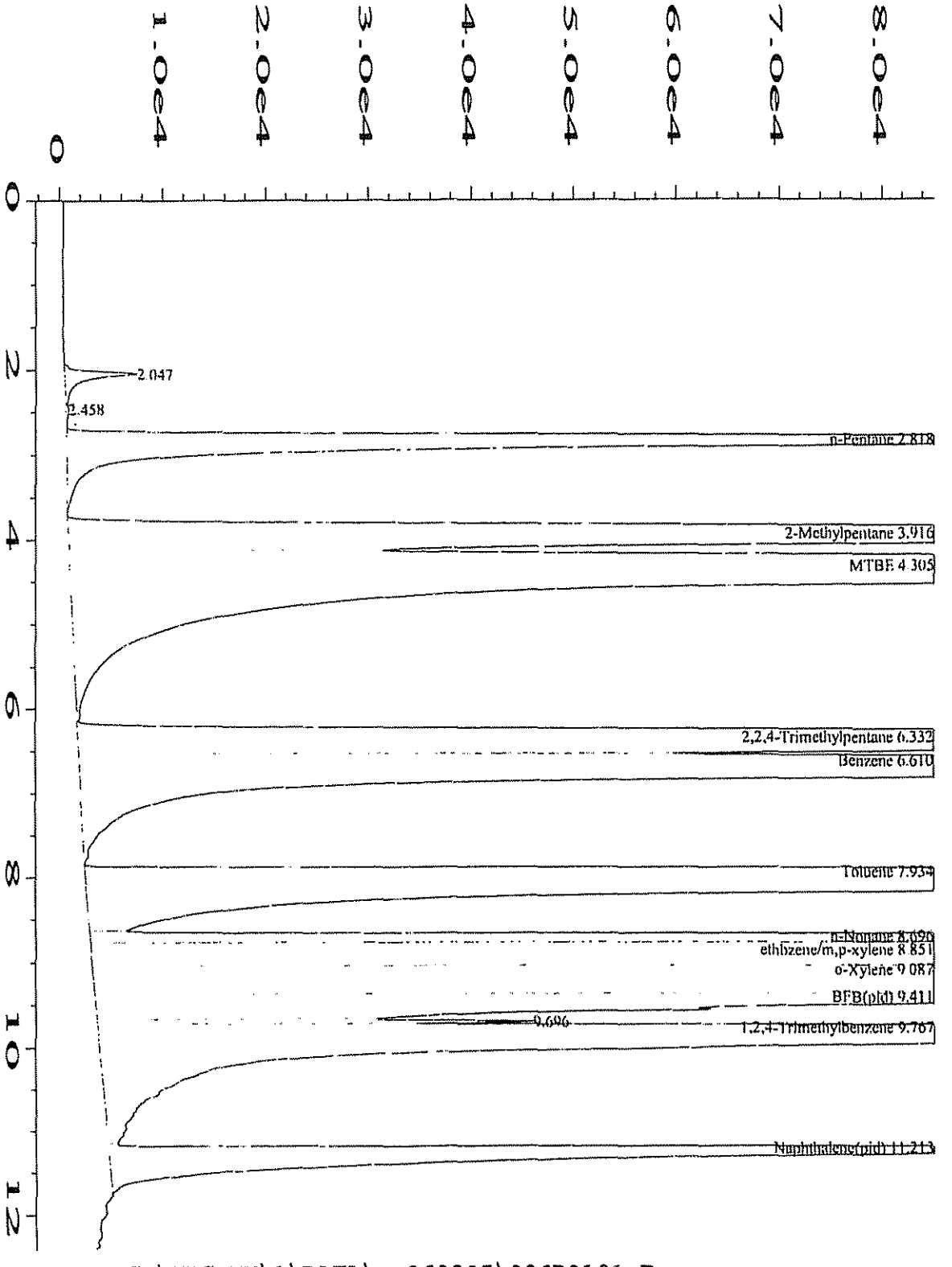
Data File Name	: C:\HPCHEM\1\DATA\vp060805\006F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 6
Sample Name	: v750	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 12:58 PM	Instrument Method:	GAS1.MTH
Report Created on:	13 Jul 05 04:35 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp060805\006R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 6
Sample Name	: v750	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 12:58 PM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp060805\006R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.818	1272492	BV	0.125	1	202.915	n-Pentane
3.916	2959364	PV	0.147	1	313.383	2-Methylpentane
4.305	1.25309E+007	VV	0.170	1	415.717	MTBE
6.332	5034984	VV	0.131	1	330.909	2,2,4-Trimethylpentane
6.610	1.12779E+007	VV	0.082	1	141.749	Benzene
7.934	1.7557E+007	PV	0.055	1	430.277	Toluene
8.696	2166541	VV	0.048	1	319.207	n-Nonane
8.851	2.3003E+007	VV	0.052	1	680.056	ethbzene/m,p-xylene
9.087	1.17355E+007	VV	0.053	1	302.981	o-Xylene
9.411	1694934	VV	0.066	1	114.077	BFB(pid)
9.767	8711097	VV	0.043	1	283.728	1,2,4-Trimethylbenzene
11.213	4180764	VV	0.033	1	238.861	Naphthalene(pid)
2.047	44864	BV	0.084		448.643	* uncalibrated *
2.458	1967	VB	0.106		19.667	* uncalibrated *
9.696	121280	VV	0.041		1212.803	* uncalibrated *



Data File Name	: C:\HPCHEM\1\DATA\vp060805\006R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 6
Sample Name	: v750	Injection Number	: 1
Run Time Bar Code	:	Sequence Line	: 1
Acquired on	: 08 Jun 05 12:58 PM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

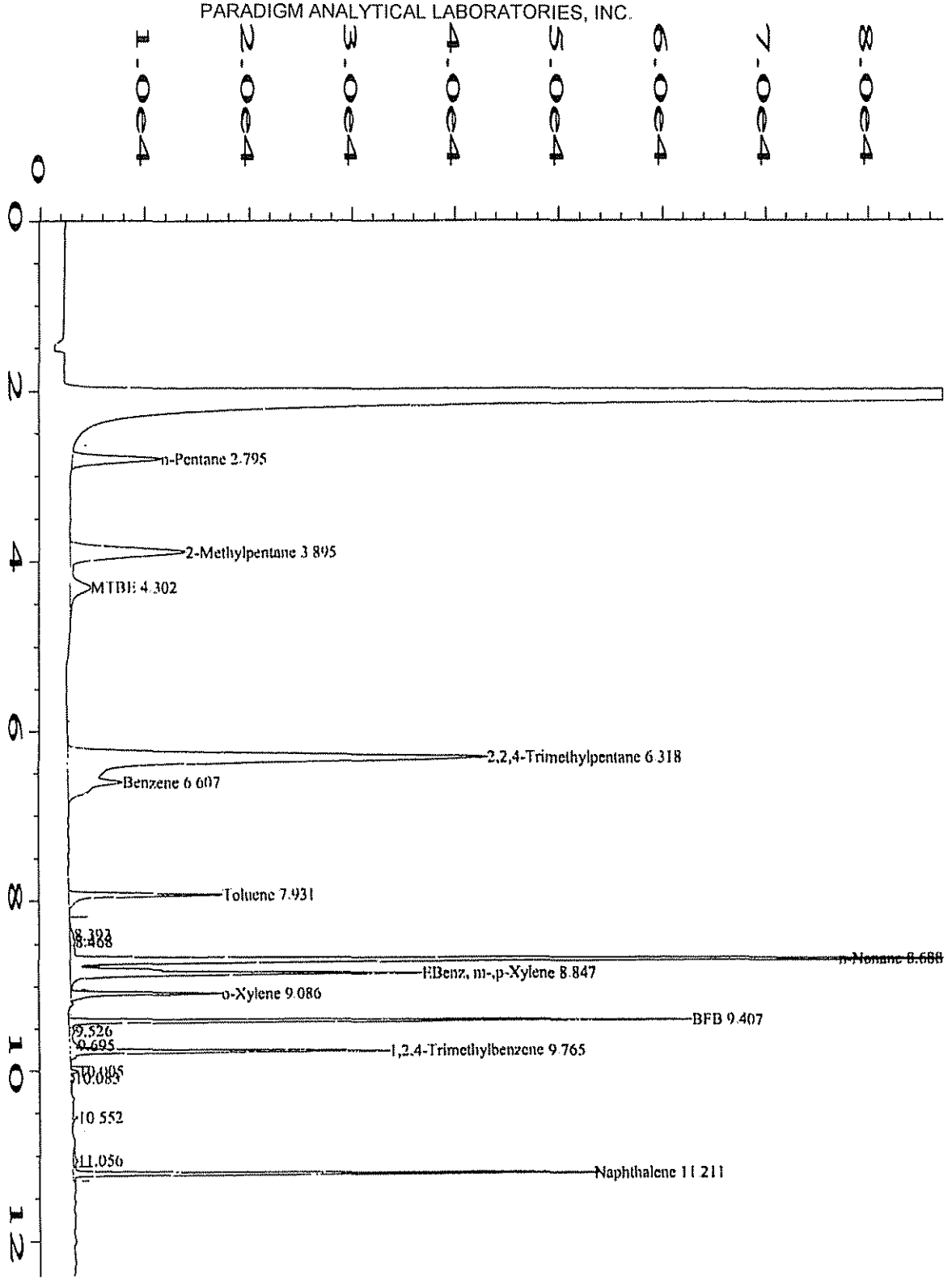
External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp060805\007F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 7
Sample Name	: b	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 01:24 PM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp060805\007F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.795	44605	BB	0.081	1	44.490	n-Pentane
3.895	84296	BV	0.114	1	14.972	2-Methylpentane
4.302	21200	VB	0.160	1	49.695	MTBE
6.318	295979	BV	0.111	1	56.850	2,2,4-Trimethylpentane
6.607	39739	VB	0.103	1	5.037	Benzene
7.931	40166	BB	0.042	1	4.264	Toluene
8.688	260986	VV	0.041	1	212.735	n-Nonane
8.847	96308	VV	0.042	1	9.415	EBenz, m-,p-Xylene
9.086	34210	VV	0.037	1	3.396	o-Xylene
9.407	108780	BV	0.029	1	419.019	BFB
9.765	64008	VB	0.032	1	6.812	1,2,4-Trimethylbenzene
11.211	85806	VV	0.027	1	979.604	Naphthalene
8.393	2012	BV	0.085		20.121	* uncalibrated *
8.468	2160	VV	0.064		21.597	* uncalibrated *
9.526	2747	VV	0.071		27.472	* uncalibrated *
9.695	3427	VV	0.078		34.268	* uncalibrated *
10.005	1591	BV	0.034		15.913	* uncalibrated *
10.083	1596	VB	0.070		15.964	* uncalibrated *
10.552	1472	BB	0.042		14.724	* uncalibrated *
11.056	2589	VV	0.075		25.887	* uncalibrated *

Calibration table contains at least one peak with amt = 0



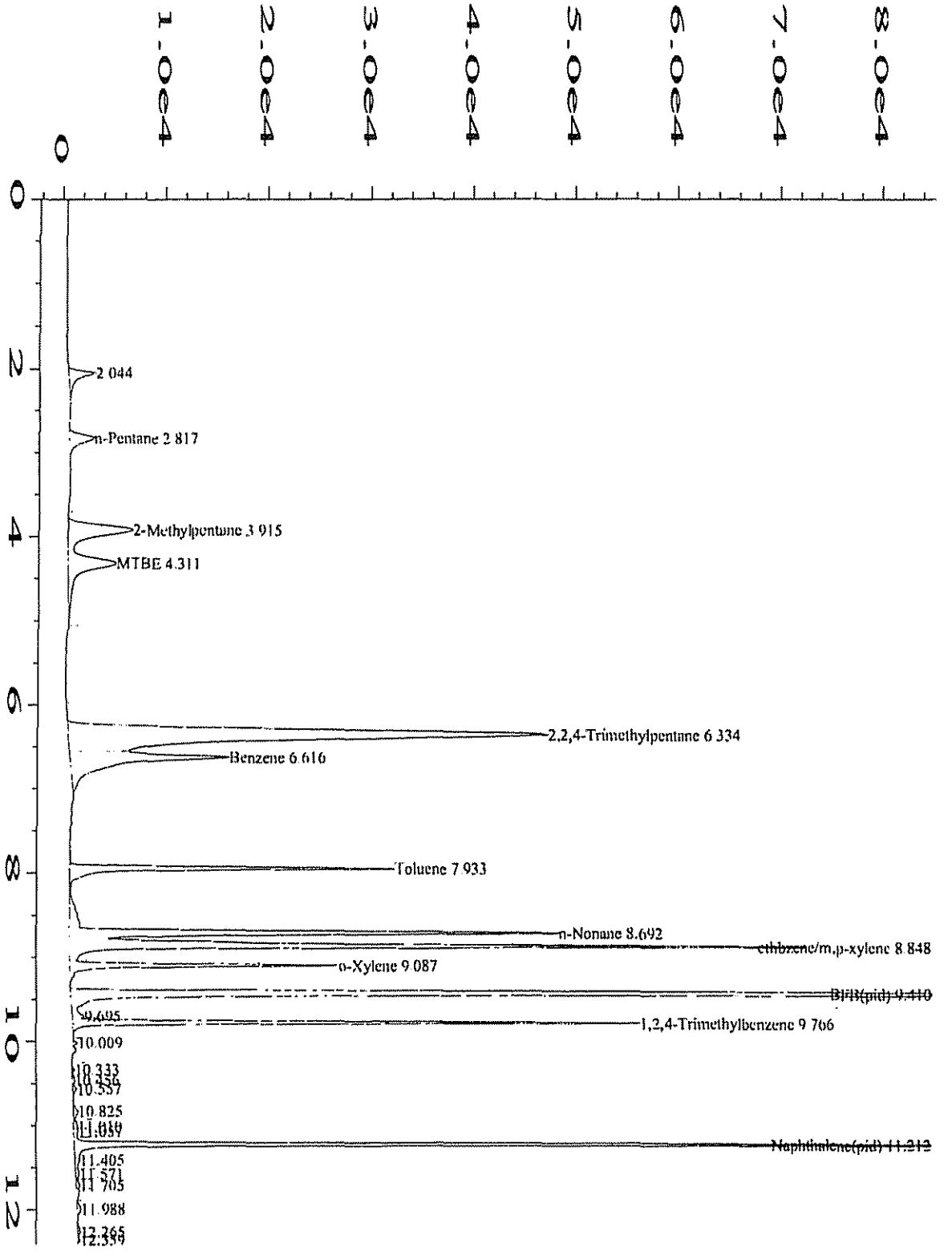
Data File Name	: C:\HPCHEM\1\DATA\vp060805\007F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 7
Sample Name	: b	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 01:24 PM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp060805\007R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 7
Sample Name	: b	Injection Number	: 1
Run Time Bar Code	:	Sequence Line	: 1
Acquired on	: 08 Jun 05 01:24 PM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp060805\007R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.817	18039	BV	0.107	1	2.877	n-Pentane
3.915	58152	BV	0.131	1	6.158	2-Methylpentane
4.311	55425	VB	0.173	1	1.839	MTBE
6.334	405888	BV	0.129	1	26.676	2,2,4-Trimethylpentane
6.616	116491	VV	0.103	1	1.464	Benzene
7.933	92257	BV	0.044	1	2.261	Toluene
8.692	169844	VV	0.053	1	25.024	n-Nonane
8.848	217216	VV	0.044	1	6.422	ethbzene/m,p-xylene
9.087	65151	VV	0.038	1	1.682	o-Xylene
9.410	573919	PV	0.034	1	38.627	BFB(pid)
9.766	117089	VB	0.067	1	3.814	1,2,4-Trimethylbenzene
11.212	214437	VV	0.067	1	12.252	Naphthalene(pid)
2.044	16583	BB	0.083		165.833	* uncalibrated *
9.695	5149	VV	0.076		51.486	* uncalibrated *
10.009	1034	BV	0.036		10.337	* uncalibrated *
10.333	889	PV	0.050		8.892	* uncalibrated *
10.456	1219	VV	0.067		12.186	* uncalibrated *
10.557	1415	VV	0.051		14.149	* uncalibrated *
10.825	2867	BV	0.094		28.673	* uncalibrated *
11.010	2031	VV	0.084		20.309	* uncalibrated *
11.057	2216	VV	0.065		22.163	* uncalibrated *
11.405	2525	VV	0.091		25.249	* uncalibrated *
11.571	2011	VV	0.089		20.108	* uncalibrated *
11.705	1819	VV	0.076		18.193	* uncalibrated *
11.988	2308	VV	0.101		23.082	* uncalibrated *
12.265	1452	PV	0.087		14.519	* uncalibrated *
12.359	424	VBA	0.040		4.236	* uncalibrated *



Data File Name	: C:\HPCHEM\1\DATA\vp060805\007R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 7
Sample Name	: b	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 01:24 PM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

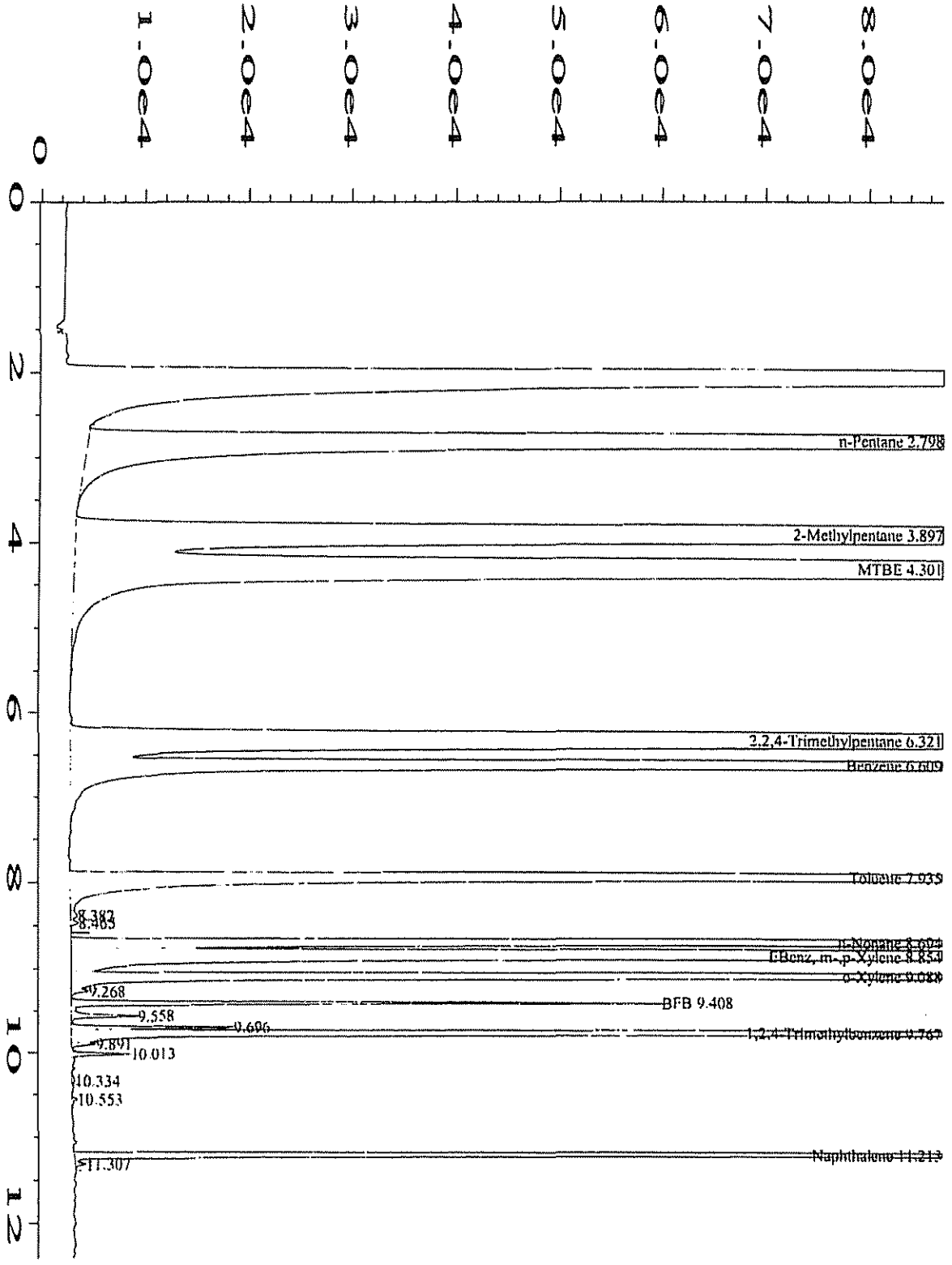
External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp060805\008F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 8
Sample Name	: v1000	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 01:49 PM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp060805\008F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.798	4657465	BV	0.090	1	12661.23	n-Pentane
3.897	5853239	PV	0.119	1	9599.572	2-Methylpentane
4.301	4906973	VB	0.134	1	158988.5	MTBE
6.321	5054887	VV	0.103	1	13823.49	2,2,4-Trimethylpentane
6.609	3750614	VV	0.056	1	3847.985	Benzene
7.935	9120608	BV	0.036	1	11642.78	Toluene
8.694	4214966	BV	0.036	1	6936.967	n-Nonane
8.854	1.33087E+007	VV	0.035	1	18803.94	EBenz, m-,p-Xylene
9.088	5001963	VV	0.032	1	7088.238	o-Xylene
9.408	104661	VV	0.029	1	403.154	BFB
9.767	3991864	VV	0.030	1	6288.179	1,2,4-Trimethylbenzene
11.213	1728732	PV	0.026	1	-17460.35	Naphthalene
8.382	3056	VV	0.073		30.563	* uncalibrated *
8.465	2205	VB	0.046		22.050	* uncalibrated *
9.268	4591	VV	0.041		45.911	* uncalibrated *
9.558	15225	VV	0.036		152.253	* uncalibrated *
9.696	30036	VV	0.030		300.359	* uncalibrated *
9.891	5116	VV	0.037		51.163	* uncalibrated *
10.013	11583	VV	0.032		115.833	* uncalibrated *
10.334	1358	PV	0.062		13.578	* uncalibrated *
10.553	1731	VB	0.045		17.307	* uncalibrated *
11.307	2096	VV	0.031		20.962	* uncalibrated *

Calibration table contains at least one peak with amt = 0



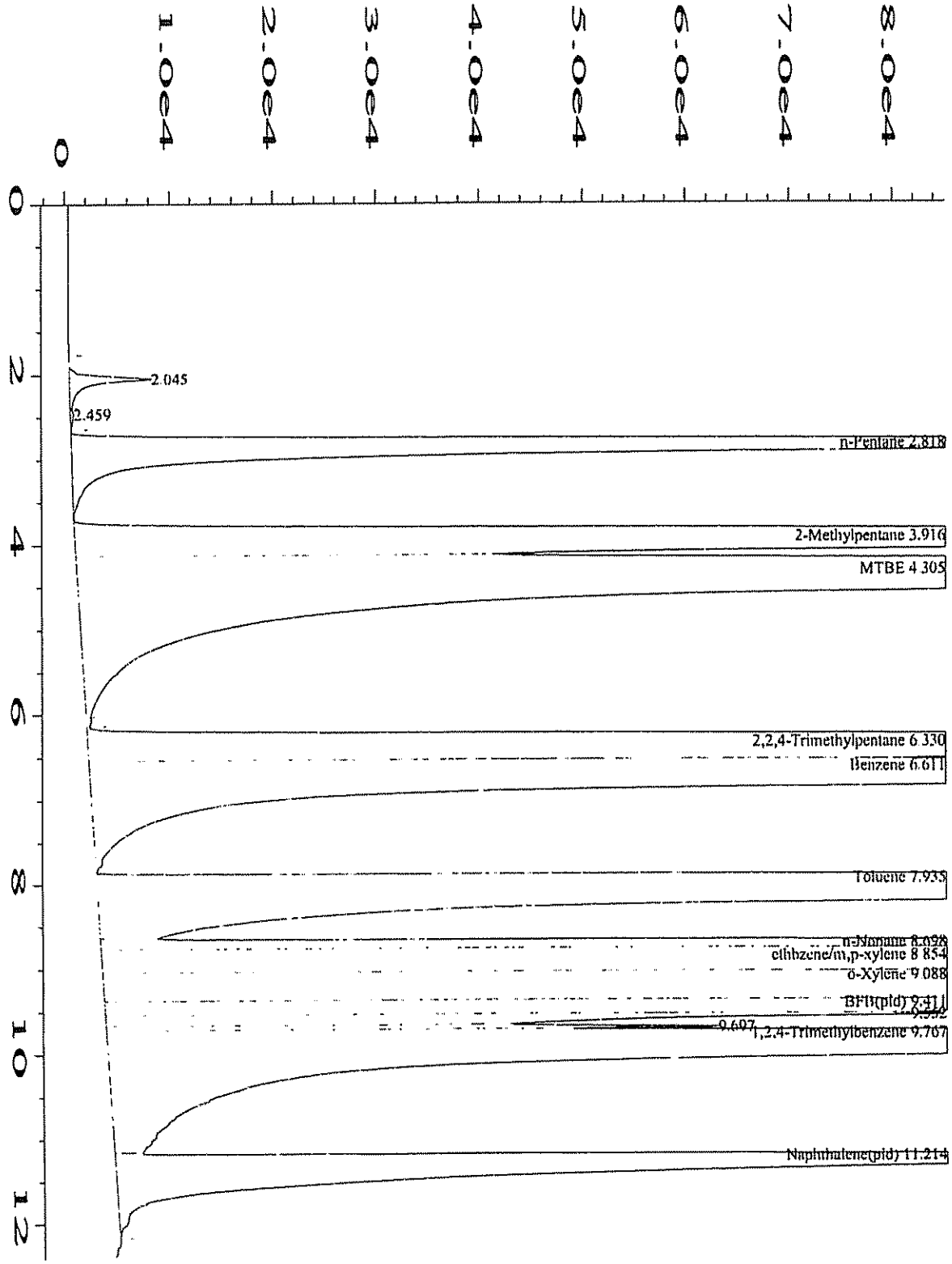
Data File Name	: C:\HPCHEM\1\DATA\vp060805\008F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 8
Sample Name	: v1000	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 01:49 PM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp060805\008R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 8
Sample Name	: v1000	Injection Number	: 1
Run Time Bar Code	:	Sequence Line	: 1
Acquired on	: 08 Jun 05 01:49 PM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp060805\008R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.818	1652783	VV	0.127	1	263.558	n-Pentane
3.916	3980128	PV	0.148	1	421.477	2-Methylpentane
4.305	1.59259E+007	VV	0.172	1	528.349	MTBE
6.330	6718852	VV	0.132	1	441.576	2,2,4-Trimethylpentane
6.611	1.42877E+007	VV	0.081	1	179.578	Benzene
7.935	2.22094E+007	VV	0.055	1	544.296	Toluene
8.698	2857871	VV	0.047	1	421.064	n-Nonane
8.854	2.83024E+007	VV	0.053	1	836.727	ethbzene/m,p-xylene
9.088	1.46254E+007	VV	0.053	1	377.592	o-Xylene
9.411	1671554	VV	0.060	1	112.503	BFB(pid)
9.767	1.14065E+007	VV	0.045	1	371.519	1,2,4-Trimethylbenzene
11.214	5862705	VV	0.035	1	334.956	Naphthalene(pid)
2.045	50233	BV	0.085		502.334	* uncalibrated *
2.459	2741	VV	0.114		27.413	* uncalibrated *
9.552	425093	VV	0.087		4250.925	* uncalibrated *
9.697	166045	VV	0.040		1660.453	* uncalibrated *



Data File Name	: C:\HPCHEM\1\DATA\vp060805\008R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 8
Sample Name	: v1000	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jun 05 01:49 PM	Instrument Method	: GAS1.MTH
Report Created on	: 13 Jul 05 04:35 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

VPH CVS Raw Data

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 06/08/05 PID Initial Calibration Date: 06/08/05

Calibration Ranges and Limits

Range	MDL (07/15/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_5-C_8 Aliphatics	4.4	14	100	10
C_9-C_{12} Aliphatics	3.4	11	100	10
C_9-C_{10} Aromatics	0 13	0.41	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	%RSD or CCC	Method of Quantitation
C_5-C_8 Aliphatics	40	3.6	Calibration Factor
	1000		
	2000		
	3000		
	4000		
C_9-C_{12} Aliphatics	10	0 988	Linear Regression
	250		
	500		
	750		
	1000		
C_9-C_{10} Aromatics	10	12.9	Calibration Factor
	250		
	500		
	750		
	1000		

Calibration Check Date: 07/08/05

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	16.0
C_9-C_{12} Aliphatics	500	50	-7.1
C_9-C_{10} Aromatics	500	50	-0 4

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

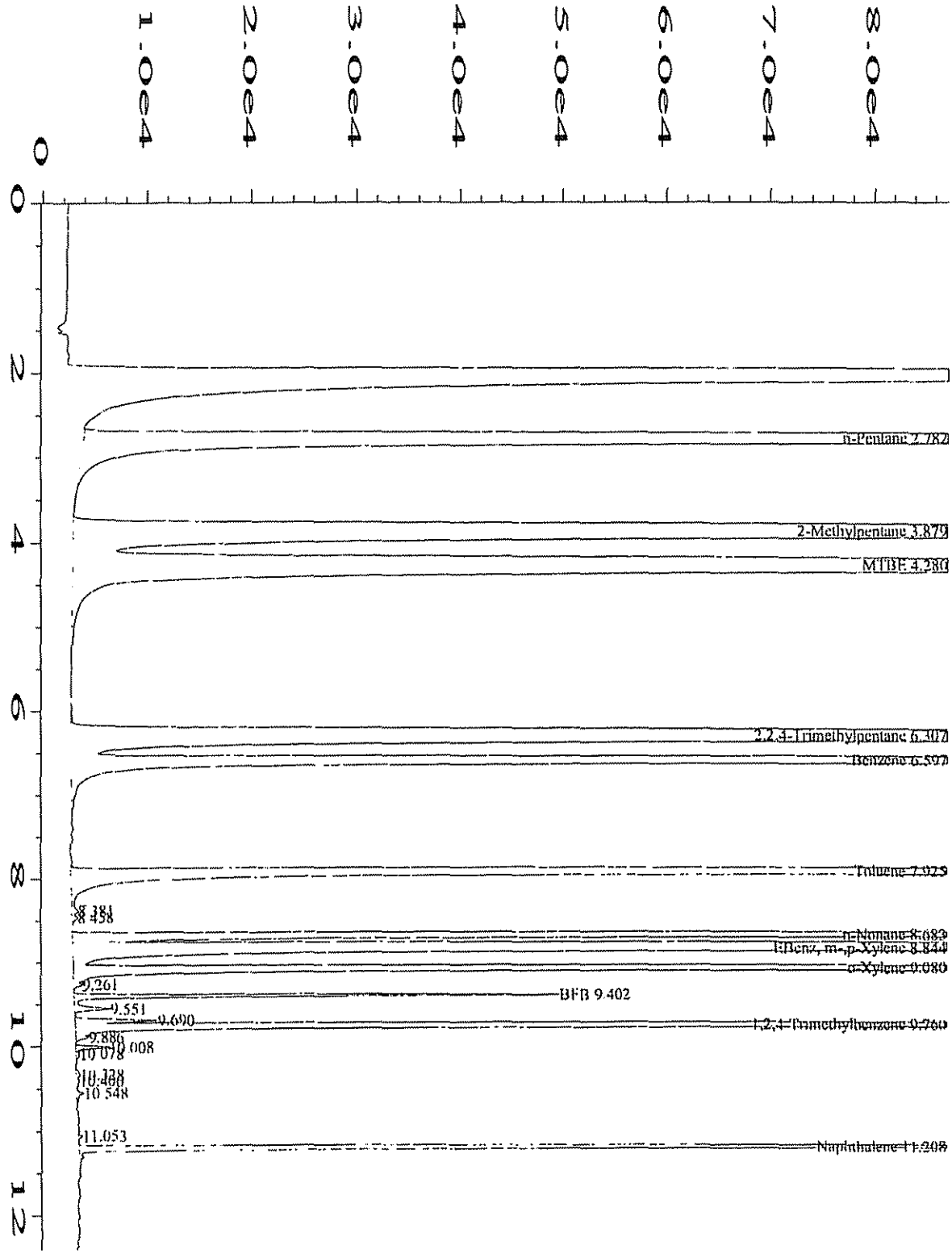
External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp070805\004F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 4
Sample Name	: G500 V500 N 7/8	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 08:59 AM	Instrument Method:	GAS1.MTH
Report Created on:	08 Jul 05 09:43 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp070805\004F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.782	1847550	BV	0.089	1	4566.902	n-Pentane
3.879	2389237	PV	0.119	1	3608.179	2-Methylpentane
4.280	2203444	VB	0.135	1	66920.88	MTBE
6.307	2080162	BV	0.103	1	5190.380	2,2,4-Trimethylpentane
6.597	1660608	VB	0.057	1	1621.174	Benzene
7.925	4257250	VV	0.038	1	5058.476	Toluene
8.683	1637554	BV	0.035	1	2553.759	n-Nonane
8.844	6391336	VV	0.037	1	8272.869	EBenz, m-,p-Xylene
9.080	2500021	VV	0.033	1	3253.930	o-Xylene
9.402	85430	PV	0.029	1	329.076	BFB
9.760	2050386	VV	0.031	1	2933.483	1,2,4-Trimethylbenzene
11.208	811014	PV	0.026	1	-7160.023	Naphthalene
8.381	2628	VV	0.060		26.275	* uncalibrated *
8.458	1824	VB	0.050		18.244	* uncalibrated *
9.261	2228	VV	0.039		22.278	* uncalibrated *
9.551	9886	VV	0.042		98.857	* uncalibrated *
9.690	15961	VV	0.031		159.610	* uncalibrated *
9.886	2714	VV	0.037		27.144	* uncalibrated *
10.008	6903	VV	0.033		69.028	* uncalibrated *
10.078	1340	VV	0.056		13.395	* uncalibrated *
10.328	1783	BV	0.059		17.828	* uncalibrated *
10.400	1436	VV	0.062		14.363	* uncalibrated *
10.548	2635	VV	0.050		26.348	* uncalibrated *
11.053	1088	VV	0.040		10.876	* uncalibrated *

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\vp070805\004F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 4
Sample Name	: G500	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 08:59 AM	Instrument Method	: GAS1.MTH
Report Created on	: 08 Jul 05 09:43 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

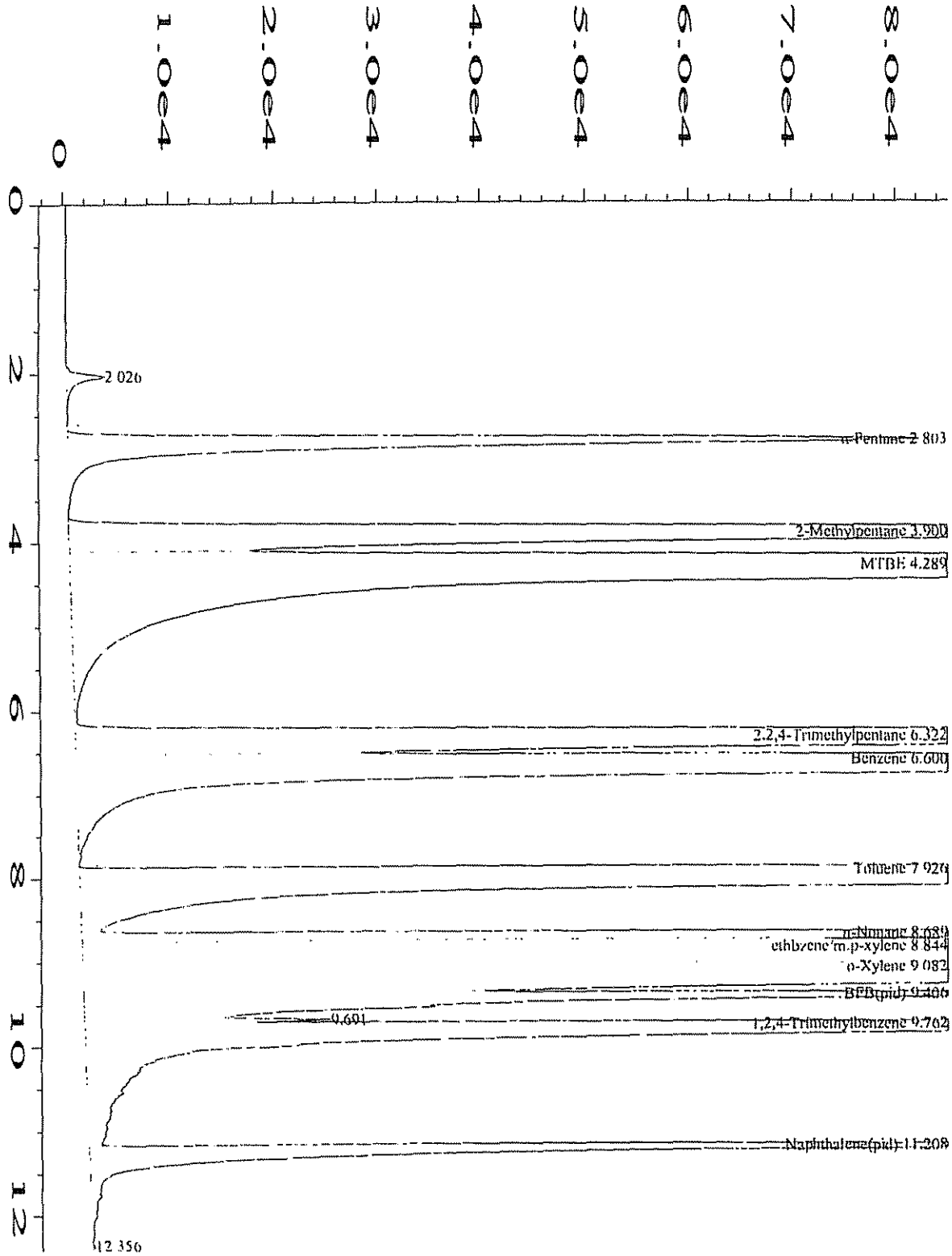
External Standard Report

Data File Name : C:\HPCHEM\1\DATA\vp070805\004R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : ~~G500~~ V500
Run Time Bar Code:
Acquired on : 08 Jul 05 08:59 AM
Report Created on: 08 Jul 05 09:43 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

Sig. 2 in C:\HPCHEM\1\DATA\vp070805\004R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.803	687328	BV	0.122	1	109.603	n-Pentane
3.900	1720012	PV	0.147	1	182.141	2-Methylpentane
4.289	8340649	VV	0.167	1	276.704	MTBE
6.322	3053362	VV	0.129	1	200.673	2,2,4-Trimethylpentane
6.600	7807576	VV	0.081	1	98.131	Benzene
7.926	1.25886E+007	PV	0.054	1	308.516	Toluene
8.689	1184545	VV	0.048	1	174.525	n-Nonane
8.844	1.67085E+007	VV	0.052	1	493.966	ethbzene/m,p-xylene
9.082	8001400	VV	0.051	1	206.576	o-Xylene
9.406	1101179	VV	0.096	1	74.114	BFB(pid)
9.762	5280451	VV	0.040	1	171.989	1,2,4-Trimethylbenzene
11.208	2371294	VV	0.056	1	135.480	Naphthalene(pid)
2.026	23265	BV	0.087		232.651	* uncalibrated *
9.691	62146	VV	0.044		621.456	* uncalibrated *
12.356	777	PBA	0.050		7.766	* uncalibrated *



ata File Name	: C:\HPCHEM\1\DATA\vp070805\004R0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 4
ample Name	: G500	Injection Number	: 1
in Time Bar Code:		Sequence Line	: 1
cquired on	: 08 Jul 05 08:59 AM	Instrument Method:	GAS1.MTH
eport Created on:	08 Jul 05 09:43 AM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

VPH QC, Blanks Raw Data

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp070805\021F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 21
Sample Name	: lcs4070805b	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 04:26 PM 497	Instrument Method	: GAS1.MTH
Report Created on	: 11 Jul 05 07:15 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp070805\021F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.782	40817	BV	0.090	1	40.713	n-Pentane
3.875	55858	BV	0.121	1	9.921	2-Methylpentane
4.231	66536	VV	0.164	1	155.971	MTBE
6.306	55661	VV	0.113	1	10.691	2,2,4-Trimethylpentane
6.597	70473	VV	0.082	1	8.932	Benzene
7.924	230581	VV	0.039	1	24.476	Toluene
8.682	9984	VV	0.047	1	2.505	n-Nonane
8.841	221782	VV	0.040	1	21.680	EBenz, m-,p-Xylene
9.079	74443	VV	0.047	1	7.391	o-Xylene
9.402	79928	PV	0.029	1	307.880	BFB
9.760	90779	VV	0.045	1	9.662	1,2,4-Trimethylbenzene
11.209	6211	VV	0.040	1	1.465	Naphthalene
3.012	16828	PV	0.074		168.277	* uncalibrated *
3.210	32795	VV	0.112		327.955	* uncalibrated *
4.531	30930	VV	0.110		309.299	* uncalibrated *
4.853	23646	VV	0.176		236.458	* uncalibrated *
5.097	11862	VV	0.110		118.624	* uncalibrated *
5.222	12647	VV	0.112		126.469	* uncalibrated *
5.476	24054	VV	0.107		240.537	* uncalibrated *
5.791	1838	PV	0.091		18.381	* uncalibrated *
5.959	19386	VV	0.086		193.865	* uncalibrated *
6.084	47219	VV	0.139		472.190	* uncalibrated *
6.735	9792	VV	0.073		97.924	* uncalibrated *
6.824	8070	VV	0.066		80.696	* uncalibrated *
6.980	18492	VV	0.109		184.922	* uncalibrated *
7.117	12136	VV	0.072		121.358	* uncalibrated *
7.282	24284	VV	0.073		242.842	* uncalibrated *
7.389	38412	VV	0.076		384.121	* uncalibrated *
7.523	24828	VV	0.082		248.283	* uncalibrated *
7.794	15911	VV	0.066		159.108	* uncalibrated *
8.057	9732	VV	0.105		97.325	* uncalibrated *
8.378	12748	VV	0.067		127.481	* uncalibrated *
8.460	5878	VV	0.047		58.781	* uncalibrated *
9.202	1824	VV	0.039		18.237	* uncalibrated *
9.263	5321	VV	0.037		53.212	* uncalibrated *
9.527	107616	VV	0.053		1076.162	* uncalibrated *
9.690	18732	VV	0.034		187.316	* uncalibrated *
9.891	2789	VV	0.047		27.893	* uncalibrated *
10.009	18689	VV	0.032		186.893	* uncalibrated *
10.113	32681	VV	0.052		326.807	* uncalibrated *
10.182	12540	VV	0.042		125.402	* uncalibrated *

Data File Name	: C:\HPCHEM\1\DATA\vp070805\021F0101.D		
Operator	: DCS	Page Number	: 2
Instrument	: FID/PID	Vial Number	: 21
Sample Name	: lcs4070805b	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 04:26 PM	Instrument Method	: GAS1.MTH
Report Created on	: 11 Jul 05 07:15 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

10.273	13290	VV	0.044	132.898	* uncalibrated *
10.322	14296	VV	0.033	142.960	* uncalibrated *
10.398	3392	VV	0.036	33.922	* uncalibrated *
10.447	2750	VV	0.034	27.504	* uncalibrated *
10.517	8691	VV	0.036	86.913	* uncalibrated *
10.559	15167	VV	0.057	151.669	* uncalibrated *
10.644	2530	VV	0.038	25.304	* uncalibrated *
10.704	2113	VV	0.043	21.133	* uncalibrated *
10.762	7132	VV	0.038	71.320	* uncalibrated *
10.798	4642	VV	0.038	46.417	* uncalibrated *
10.854	7138	VV	0.039	71.380	* uncalibrated *
10.973	7044	VV	0.063	70.443	* uncalibrated *
11.053	5314	VV	0.085	53.137	* uncalibrated *
11.351	2016	VV	0.038	20.165	* uncalibrated *
11.482	2925	VV	0.061	29.246	* uncalibrated *
11.762	3338	VV	0.035	33.378	* uncalibrated *
11.908	1034	VV	0.032	10.341	* uncalibrated *

Calibration table contains at least one peak with amt = 0

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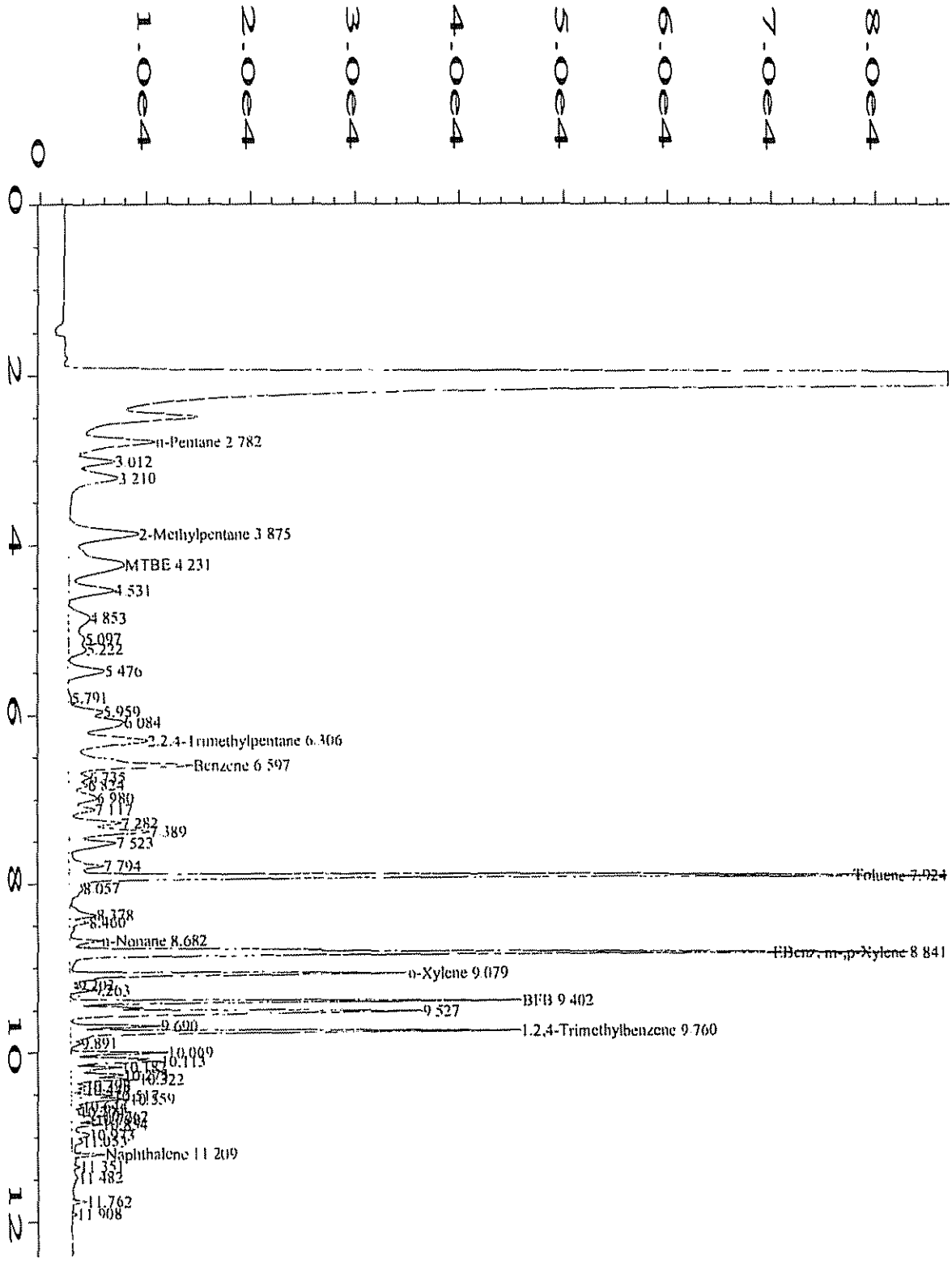

Data File Name	: C:\HPCHEM\1\DATA\vp070805\021F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 21
Sample Name	: lcs4070805b	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 04:26 PM	Instrument Method:	GAS1.MTH
Report Created on:	11 Jul 05 07:15 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp070805\021R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 21
Sample Name	: lcs4070805b	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 04:26 PM	Instrument Method	: GAS1.MTH
Report Created on:	11 Jul 05 07:15 AM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp070805\021R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.836	46179	VV	0.127	1	7.364	n-Pentane
3.888	43687	VV	0.147	1	4.626	2-Methylpentane
4.287	97968	VV	0.151	1	3.250	MTBE
6.316	66743	VV	0.126	1	4.386	2,2,4-Trimethylpentane
6.607	232174	VV	0.078	1	2.918	Benzene
7.927	593629	VV	0.044	1	14.548	Toluene
8.684	6977	VV	0.058	1	1.028	n-Nonane
8.842	475024	VV	0.042	1	14.044	ethbzene/m,p-xylene
9.080	133107	VV	0.036	1	3.436	o-Xylene
9.405	370998	VV	0.033	1	24.970	BFB(pid)
9.760	165860	VV	0.065	1	5.402	1,2,4-Trimethylbenzene
11.209	16020	VV	0.044	1	0.915	Naphthalene(pid)
2.043	37797	BV	0.084		377.974	* uncalibrated *
2.165	16733	VV	0.077		167.329	* uncalibrated *
2.513	40445	VV	0.142		404.447	* uncalibrated *
3.018	48355	VV	0.087		483.554	* uncalibrated *
3.214	82584	VV	0.142		825.841	* uncalibrated *
4.073	16413	VV	0.098		164.126	* uncalibrated *
4.514	31374	VV	0.136		313.735	* uncalibrated *
4.850	42079	VV	0.182		420.787	* uncalibrated *
5.091	11448	VV	0.094		114.479	* uncalibrated *
5.227	20796	VV	0.121		207.958	* uncalibrated *
5.488	13282	VV	0.114		132.819	* uncalibrated *
5.790	2137	PV	0.089		21.373	* uncalibrated *
6.082	57722	VV	0.135		577.222	* uncalibrated *
6.824	12392	VV	0.066		123.923	* uncalibrated *
6.991	16830	VV	0.099		168.298	* uncalibrated *
7.123	16109	VV	0.075		161.095	* uncalibrated *
7.289	27481	VV	0.071		274.814	* uncalibrated *
7.391	47468	VV	0.084		474.677	* uncalibrated *
7.530	26430	VV	0.095		264.297	* uncalibrated *
7.793	15999	VV	0.086		159.989	* uncalibrated *
8.370	13163	VV	0.089		131.634	* uncalibrated *
8.462	7986	VV	0.068		79.860	* uncalibrated *
9.202	1588	VV	0.035		15.877	* uncalibrated *
9.264	8631	VV	0.040		86.313	* uncalibrated *
9.474	22327	VV	0.028		223.272	* uncalibrated *
9.529	185517	VV	0.052		1855.173	* uncalibrated *
9.691	29257	VV	0.035		292.570	* uncalibrated *
9.891	5212	VV	0.054		52.115	* uncalibrated *
10.010	29741	VV	0.033		297.414	* uncalibrated *

Data File Name : C:\HPCHEM\1\DATA\vp070805\021R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : lcs4070805b
Run Time Bar Code:
Acquired on : 08 Jul 05 04:26 PM
Report Created on: 11 Jul 05 07:15 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 2
Vial Number : 21
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.113	54449	VV	0.051	544.495	* uncalibrated *
10.182	20646	VV	0.044	206.455	* uncalibrated *
10.274	20515	VV	0.048	205.149	* uncalibrated *
10.323	20861	VV	0.037	208.605	* uncalibrated *
10.399	4602	VV	0.041	46.016	* uncalibrated *
10.447	4227	VV	0.035	42.271	* uncalibrated *
10.518	14139	VV	0.035	141.389	* uncalibrated *
10.560	25787	VV	0.057	257.872	* uncalibrated *
10.645	3621	VV	0.038	36.212	* uncalibrated *
10.704	2932	VV	0.043	29.317	* uncalibrated *
10.762	11202	VV	0.039	112.016	* uncalibrated *
10.797	7049	VV	0.033	70.492	* uncalibrated *
10.854	10442	VV	0.040	104.424	* uncalibrated *
10.974	10620	VV	0.064	106.197	* uncalibrated *
11.065	6780	VV	0.090	67.799	* uncalibrated *
11.352	3156	VV	0.050	31.564	* uncalibrated *
11.482	7055	VV	0.088	70.555	* uncalibrated *
11.762	7706	VV	0.038	77.055	* uncalibrated *
11.908	3558	VV	0.065	35.576	* uncalibrated *

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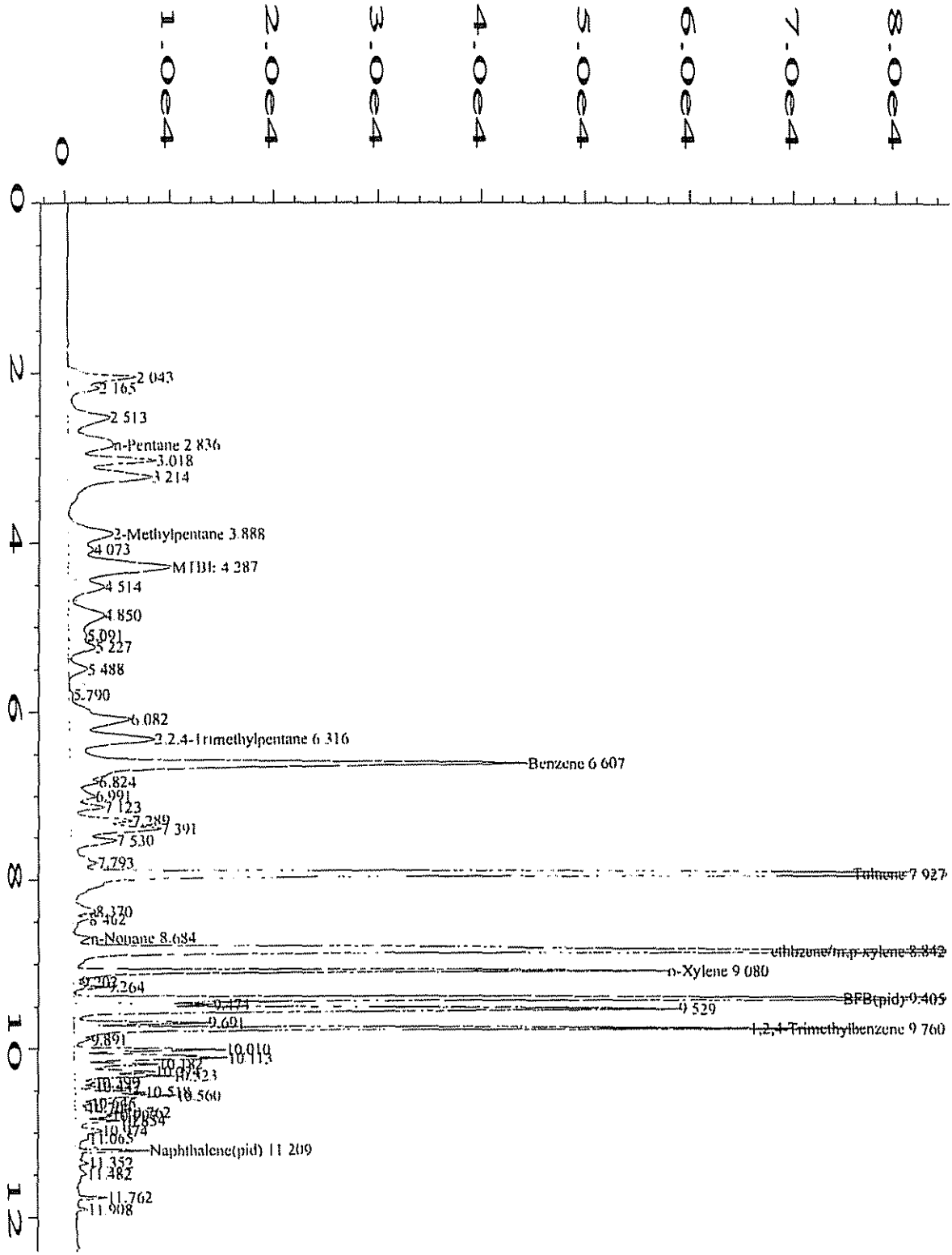


Data File Name	: C:\HPCHEM\1\DATA\vp070805\021R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 21
Sample Name	: lcs4070805b	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 04:26 PM	Instrument Method	: GAS1.MTH
Report Created on	: 11 Jul 05 07:15 AM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

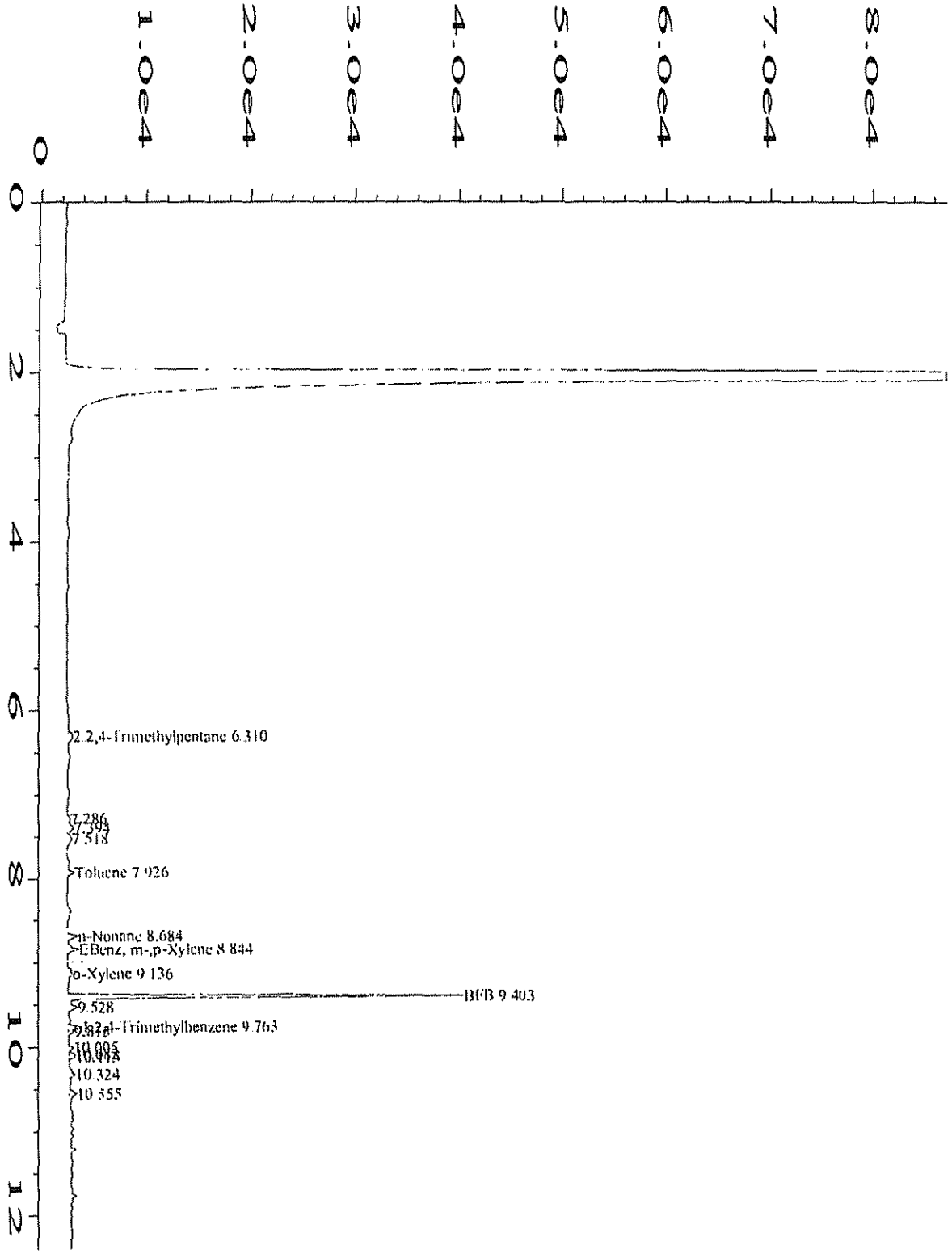
Data File Name	: C:\HPCHEM\1\DATA\vp070805\022F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 22
Sample Name	: vblk4070805b	Injection Number	: 1
Run Time Bar Code	:	Sequence Line	: 1
Acquired on	: 08 Jul 05 04:51 PM	Instrument Method	: GAS1.MTH
Report Created on	: 11 Jul 05 07:15 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp070805\022F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.778	* not found *			1		n-Pentane
3.864	* not found *			1		2-Methylpentane
4.282	* not found *			1		MTBE
6.310	3053	PB	0.090	1	0.586	2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.926	1728	BB	0.044	1	0.183	Toluene
8.684	2949	BV	0.044	1	0.740	n-Nonane
8.844	3541	VB	0.047	1	0.346	EBenz, m-,p-Xylene
9.136	1109	VV	0.043	1	0.110	o-Xylene
9.403	69701	BV	0.028	1	268.486	BFB
9.763	3237	VV	0.038	1	0.345	1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene
7.286	1200	BV	0.063		12.002	* uncalibrated *
7.394	2904	VV	0.074		29.042	* uncalibrated *
7.518	2654	VB	0.089		26.543	* uncalibrated *
9.528	3072	VV	0.050		30.724	* uncalibrated *
9.815	1255	VV	0.039		12.552	* uncalibrated *
10.005	1066	BV	0.035		10.659	* uncalibrated *
10.082	1029	VV	0.032		10.291	* uncalibrated *
10.115	1352	VV	0.034		13.521	* uncalibrated *
10.324	1569	VV	0.039		15.694	* uncalibrated *
10.555	2662	VV	0.053		26.620	* uncalibrated *

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp070805\022F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 22
Sample Name	: vblk4070805b	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 04:51 PM	Instrument Method:	GAS1.MTH
Report Created on:	11 Jul 05 07:15 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

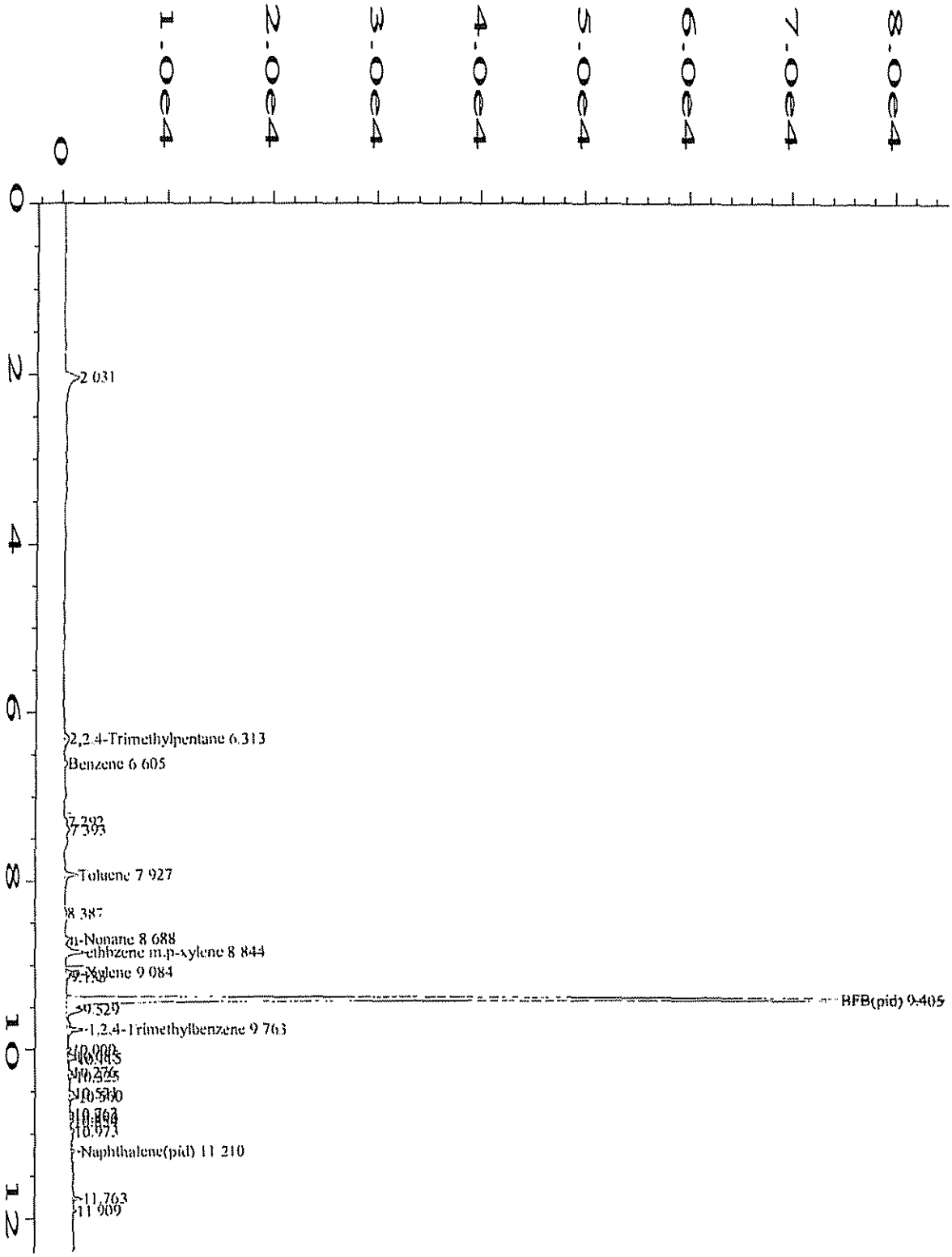
External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp070805\022R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 22
Sample Name	: vblk4070805b	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 04:51 PM	Instrument Method:	GAS1.MTH
Report Created on:	11 Jul 05 07:15 AM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp070805\022R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.829	* not found *			1		n-Pentane
3.878	* not found *			1		2-Methylpentane
4.267	* not found *			1		MTBE
6.313	3053	BV	0.095	1	0.201	2,2,4-Trimethylpentane
6.605	1480	VB	0.074	1	0.0186	Benzene
7.927	4680	VV	0.053	1	0.115	Toluene
8.688	1437	BV	0.049	1	0.212	n-Nonane
8.844	6345	VB	0.045	1	0.188	ethbzene/m,p-xylene
9.084	1445	BV	0.036	1	0.0373	o-Xylene
9.405	313374	BV	0.032	1	21.092	BFB(pid)
9.763	5745	VV	0.042	1	0.187	1,2,4-Trimethylbenzene
11.210	1480	BV	0.027	1	0.0846	Naphthalene(pid)
2.031	8530	BB	0.090		85.304	* uncalibrated *
7.292	959	BV	0.061		9.594	* uncalibrated *
7.393	1812	VV	0.070		18.117	* uncalibrated *
8.387	534	BV	0.050		5.343	* uncalibrated *
9.133	878	VV	0.040		8.776	* uncalibrated *
9.529	6027	VV	0.055		60.275	* uncalibrated *
10.009	916	PV	0.034		9.164	* uncalibrated *
10.085	1271	VV	0.027		12.705	* uncalibrated *
10.115	2050	VV	0.034		20.498	* uncalibrated *
10.276	944	VV	0.038		9.437	* uncalibrated *
10.325	1599	VV	0.036		15.994	* uncalibrated *
10.521	852	PV	0.031		8.515	* uncalibrated *
10.560	2606	VV	0.043		26.059	* uncalibrated *
10.763	771	VV	0.030		7.707	* uncalibrated *
10.806	854	VV	0.034		8.539	* uncalibrated *
10.854	758	VV	0.033		7.582	* uncalibrated *
10.973	870	PV	0.053		8.697	* uncalibrated *
11.763	1821	BB	0.030		18.214	* uncalibrated *
11.909	652	BV	0.029		6.516	* uncalibrated *

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp070805\022R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 22
Sample Name	: vblk4070805b	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 04:51 PM	Instrument Method	: GAS1.MTH
Report Created on	: 11 Jul 05 07:15 AM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name : C:\HPCHEM\1\DATA\vp070805\023F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2059-2B x1 MS
Run Time Bar Code: 138441
Acquired on : 08 Jul 05 05:17 PM
Report Created on: 11 Jul 05 07:15 AM 436
Last Recalib on : 24 AUG 04 09:09 AM 463
Multiplier : 1

Page Number : 1
Vial Number : 23
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

Sig. 1 in C:\HPCHEM\1\DATA\vp070805\023F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.772	21291	BV	0.083	1	21.236	n-Pentane
3.875	37283	VV	0.116	1	6.622	2-Methylpentane
4.231	48754	VV	0.189	1	114.288	MTBE
6.308	46698	VV	0.112	1	8.970	2,2,4-Trimethylpentane
6.597	58352	VV	0.083	1	7.395	Benzene
7.924	200075	VV	0.040	1	21.238	Toluene
8.682	8969	VV	0.047	1	2.250	n-Nonane
8.841	200072	VV	0.040	1	19.558	EBenz, m-,p-Xylene
9.080	68967	VV	0.047	1	6.847	o-Xylene
9.403	77655	PV	0.029	1	299.124	BFB
9.760	89215	VV	0.045	1	9.495	1,2,4-Trimethylbenzene
11.209	6054	VV	0.040	1	1.428	Naphthalene
3.006	9945	PV	0.067		99.449	* uncalibrated *
3.205	9718	PV	0.067		97.180	* uncalibrated *
4.532	24067	VV	0.108		240.668	* uncalibrated *
4.850	18135	PV	0.167		181.352	* uncalibrated *
5.098	10045	VV	0.114		100.455	* uncalibrated *
5.221	9181	VV	0.108		91.808	* uncalibrated *
5.477	18309	VV	0.105		183.091	* uncalibrated *
5.960	16313	VV	0.086		163.129	* uncalibrated *
6.086	39780	VV	0.122		397.805	* uncalibrated *
6.735	8100	VV	0.073		81.000	* uncalibrated *
6.824	6727	VV	0.065		67.269	* uncalibrated *
6.981	15656	VV	0.107		156.558	* uncalibrated *
7.117	10588	VV	0.072		105.876	* uncalibrated *
7.282	20665	VV	0.072		206.648	* uncalibrated *
7.389	33005	VV	0.076		330.051	* uncalibrated *
7.524	21038	VV	0.090		210.377	* uncalibrated *
7.794	13631	VV	0.065		136.309	* uncalibrated *
8.056	8394	VV	0.103		83.937	* uncalibrated *
8.379	11471	VV	0.065		114.709	* uncalibrated *
8.460	5354	VV	0.046		53.539	* uncalibrated *
9.203	1909	VV	0.036		19.089	* uncalibrated *
9.264	4975	VV	0.038		49.746	* uncalibrated *
9.527	103021	VV	0.053		1030.207	* uncalibrated *
9.691	18340	VV	0.034		183.398	* uncalibrated *
9.891	3181	VV	0.050		31.805	* uncalibrated *
10.009	18952	VV	0.032		189.523	* uncalibrated *
10.113	32206	VV	0.052		322.056	* uncalibrated *
10.182	12500	VV	0.042		124.999	* uncalibrated *
10.273	13721	VV	0.046		137.212	* uncalibrated *
10.323	13674	VV	0.032		136.739	* uncalibrated *
10.398	3521	VV	0.036		35.211	* uncalibrated *

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp070805\023F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 23
Sample Name	: 138441 x1 MS	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 05:17 PM	Instrument Method:	GAS1.MTH
Report Created on:	11 Jul 05 07:15 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp070805\023F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.772	21291	BV	0.083	1	21.236	n-Pentane
3.875	37283	VV	0.116	1	6.622	2-Methylpentane
4.231	48754	VV	0.189	1	114.288	MTBE
6.308	46698	VV	0.112	1	8.970	2,2,4-Trimethylpentane
6.597	58352	VV	0.083	1	7.395	Benzene
7.924	200075	VV	0.040	1	21.238	Toluene
8.682	8969	VV	0.047	1	2.250	n-Nonane
8.841	200072	VV	0.040	1	19.558	EBenz, m-,p-Xylene
9.080	68967	VV	0.047	1	6.847	o-Xylene
9.403	77655	PV	0.029	1	299.124	BFB
9.760	89215	VV	0.045	1	9.495	1,2,4-Trimethylbenzene
11.209	6054	VV	0.040	1	1.428	Naphthalene
3.006	9945	PV	0.067		99.449	* uncalibrated *
3.205	9718	PV	0.067		97.180	* uncalibrated *
4.532	24067	VV	0.108		240.668	* uncalibrated *
4.850	18135	PV	0.167		181.352	* uncalibrated *
5.098	10045	VV	0.114		100.455	* uncalibrated *
5.221	9181	VV	0.108		91.808	* uncalibrated *
5.477	18309	VV	0.105		183.091	* uncalibrated *
5.960	16313	VV	0.086		163.129	* uncalibrated *
6.086	39780	VV	0.122		397.805	* uncalibrated *
6.735	8100	VV	0.073		81.000	* uncalibrated *
6.824	6727	VV	0.065		67.269	* uncalibrated *
6.981	15656	VV	0.107		156.558	* uncalibrated *
7.117	10588	VV	0.072		105.876	* uncalibrated *
7.282	20665	VV	0.072		206.648	* uncalibrated *
7.389	33005	VV	0.076		330.051	* uncalibrated *
7.524	21038	VV	0.090		210.377	* uncalibrated *
7.794	13631	VV	0.065		136.309	* uncalibrated *
8.056	8394	VV	0.103		83.937	* uncalibrated *
8.379	11471	VV	0.065		114.709	* uncalibrated *
8.460	5354	VV	0.046		53.539	* uncalibrated *
9.203	1909	VV	0.036		19.089	* uncalibrated *
9.264	4975	VV	0.038		49.746	* uncalibrated *
9.527	103021	VV	0.053		1030.207	* uncalibrated *
9.691	18340	VV	0.034		183.398	* uncalibrated *
9.891	3181	VV	0.050		31.805	* uncalibrated *
10.009	18952	VV	0.032		189.523	* uncalibrated *
10.113	32206	VV	0.052		322.056	* uncalibrated *
10.182	12500	VV	0.042		124.999	* uncalibrated *
10.273	13721	VV	0.046		137.212	* uncalibrated *

Data File Name : C:\HPCHEM\1\DATA\vp070805\023F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : 138441 x1 MS
Run Time Bar Code:
Acquired on : 08 Jul 05 05:17 PM
Report Created on: 11 Jul 05 07:15 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 2
Vial Number : 23
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.323	13674	VV	0.032	136.739	* uncalibrated *
10.398	3521	VV	0.036	35.211	* uncalibrated *
10.447	2742	VV	0.034	27.418	* uncalibrated *
10.517	8520	VV	0.036	85.199	* uncalibrated *
10.559	15191	VV	0.058	151.906	* uncalibrated *
10.644	2591	VV	0.039	25.914	* uncalibrated *
10.703	2354	VV	0.049	23.540	* uncalibrated *
10.762	6695	VV	0.037	66.951	* uncalibrated *
10.799	4576	VV	0.033	45.755	* uncalibrated *
10.854	7298	VV	0.045	72.984	* uncalibrated *
10.973	6676	VV	0.063	66.764	* uncalibrated *
11.054	5416	VV	0.083	54.159	* uncalibrated *
11.352	1986	VV	0.049	19.860	* uncalibrated *
11.483	2818	VV	0.061	28.179	* uncalibrated *
11.763	3787	VV	0.044	37.871	* uncalibrated *

Calibration table contains at least one peak with amt = 0

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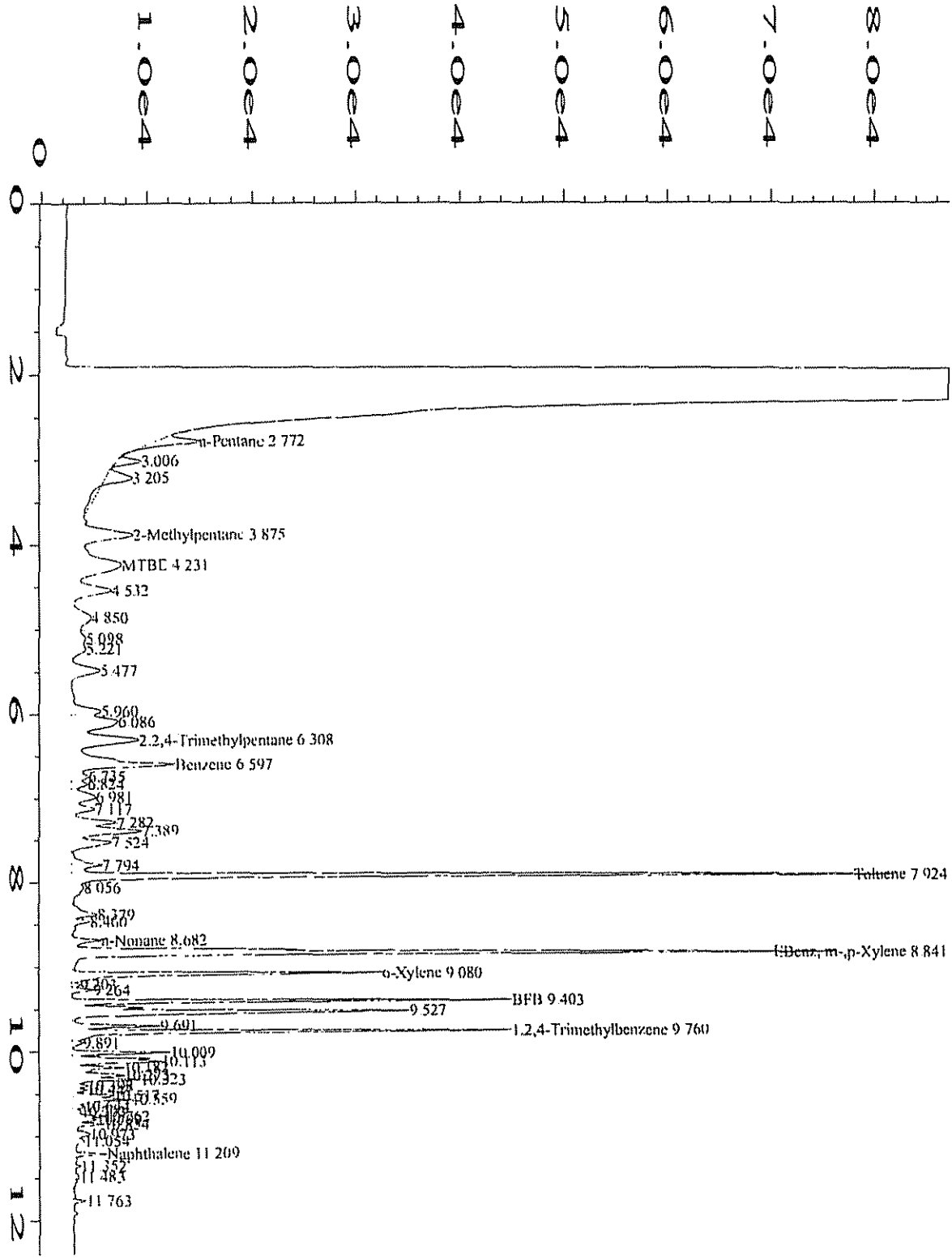

Data File Name	: C:\HPCHEM\1\DATA\vp070805\023F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 23
Sample Name	: 138441 x1 MS	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 05:17 PM	Instrument Method:	GAS1.MTH
Report Created on:	11 Jul 05 07:15 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp070805\023R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 23
Sample Name	: 138441 x1 MS	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 05:17 PM	Instrument Method:	GAS1.MTH
Report Created on:	11 Jul 05 07:15 AM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp070805\023R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.837	38655	VV	0.148	1	6.164	n-Pentane
3.886	37449	VV	0.155	1	3.966	2-Methylpentane
4.291	86929	VV	0.153	1	2.884	MTBE
6.318	57282	VV	0.127	1	3.765	2,2,4-Trimethylpentane
6.607	193227	VV	0.078	1	2.429	Benzene
7.927	502897	VV	0.044	1	12.325	Toluene
8.685	5622	VV	0.055	1	0.828	n-Nonane
8.843	423117	VV	0.041	1	12.509	ethbzene/m,p-xylene
9.081	121138	VV	0.037	1	3.127	o-Xylene
9.405	356342	VV	0.033	1	23.983	BFB(pid)
9.761	160887	VV	0.065	1	5.240	1,2,4-Trimethylbenzene
11.209	12744	VV	0.040	1	0.728	Naphthalene(pid)
2.114	181612	BV	0.104		1816.116	* uncalibrated *
2.506	33752	VV	0.147		337.517	* uncalibrated *
3.017	40618	VV	0.090		406.178	* uncalibrated *
3.211	67658	VV	0.149		676.577	* uncalibrated *
4.072	13253	VV	0.096		132.531	* uncalibrated *
4.515	27160	VV	0.139		271.603	* uncalibrated *
4.850	34769	VV	0.176		347.687	* uncalibrated *
5.097	10851	VV	0.100		108.505	* uncalibrated *
5.226	16497	VV	0.120		164.965	* uncalibrated *
5.489	11054	VV	0.116		110.543	* uncalibrated *
5.790	1856	PV	0.086		18.555	* uncalibrated *
6.083	48988	VV	0.137		489.884	* uncalibrated *
6.823	10469	VV	0.066		104.694	* uncalibrated *
6.992	14281	VV	0.098		142.811	* uncalibrated *
7.124	14474	VV	0.075		144.743	* uncalibrated *
7.289	23524	VV	0.070		235.237	* uncalibrated *
7.391	40909	VV	0.083		409.087	* uncalibrated *
7.531	22077	VV	0.094		220.769	* uncalibrated *
7.793	13234	VV	0.085		132.343	* uncalibrated *
8.373	10945	VV	0.086		109.450	* uncalibrated *
8.463	6298	VV	0.061		62.976	* uncalibrated *
9.204	1501	VV	0.036		15.007	* uncalibrated *
9.265	7613	VV	0.039		76.133	* uncalibrated *
9.474	21073	VV	0.028		210.734	* uncalibrated *
9.529	175398	VV	0.052		1753.982	* uncalibrated *
9.691	28131	VV	0.035		281.313	* uncalibrated *
9.890	5500	VV	0.054		55.001	* uncalibrated *
10.010	29379	VV	0.033		293.787	* uncalibrated *
10.113	52688	VV	0.051		526.882	* uncalibrated *

Data File Name	: C:\HPCHEM\1\DATA\vp070805\023R0101.D		
Operator	: DCS	Page Number	: 2
Instrument	: FID/PID	Vial Number	: 23
Sample Name	: 138441 x1 MS	Injection Number	: 1
Run Time Bar Code	:	Sequence Line	: 1
Acquired on	: 08 Jul 05 05:17 PM	Instrument Method	: GAS1.MTH
Report Created on	: 11 Jul 05 07:15 AM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

10.182	20071	VV	0.044	200.709	* uncalibrated *
10.274	19816	VV	0.048	198.158	* uncalibrated *
10.323	20312	VV	0.037	203.124	* uncalibrated *
10.399	4467	VV	0.040	44.674	* uncalibrated *
10.447	3945	VV	0.035	39.452	* uncalibrated *
10.518	13519	VV	0.035	135.189	* uncalibrated *
10.560	24877	VV	0.057	248.767	* uncalibrated *
10.645	3411	VV	0.038	34.108	* uncalibrated *
10.704	2670	VV	0.043	26.702	* uncalibrated *
10.763	17212	VV	0.057	172.121	* uncalibrated *
10.855	9965	VV	0.040	99.653	* uncalibrated *
10.974	9602	VV	0.064	96.019	* uncalibrated *
11.042	6070	VV	0.088	60.700	* uncalibrated *
11.265	2065	VV	0.053	20.646	* uncalibrated *
11.352	2704	VV	0.049	27.036	* uncalibrated *
11.483	5615	VV	0.082	56.154	* uncalibrated *
11.763	5678	VV	0.035	56.782	* uncalibrated *
11.908	1752	VV	0.034	17.519	* uncalibrated *

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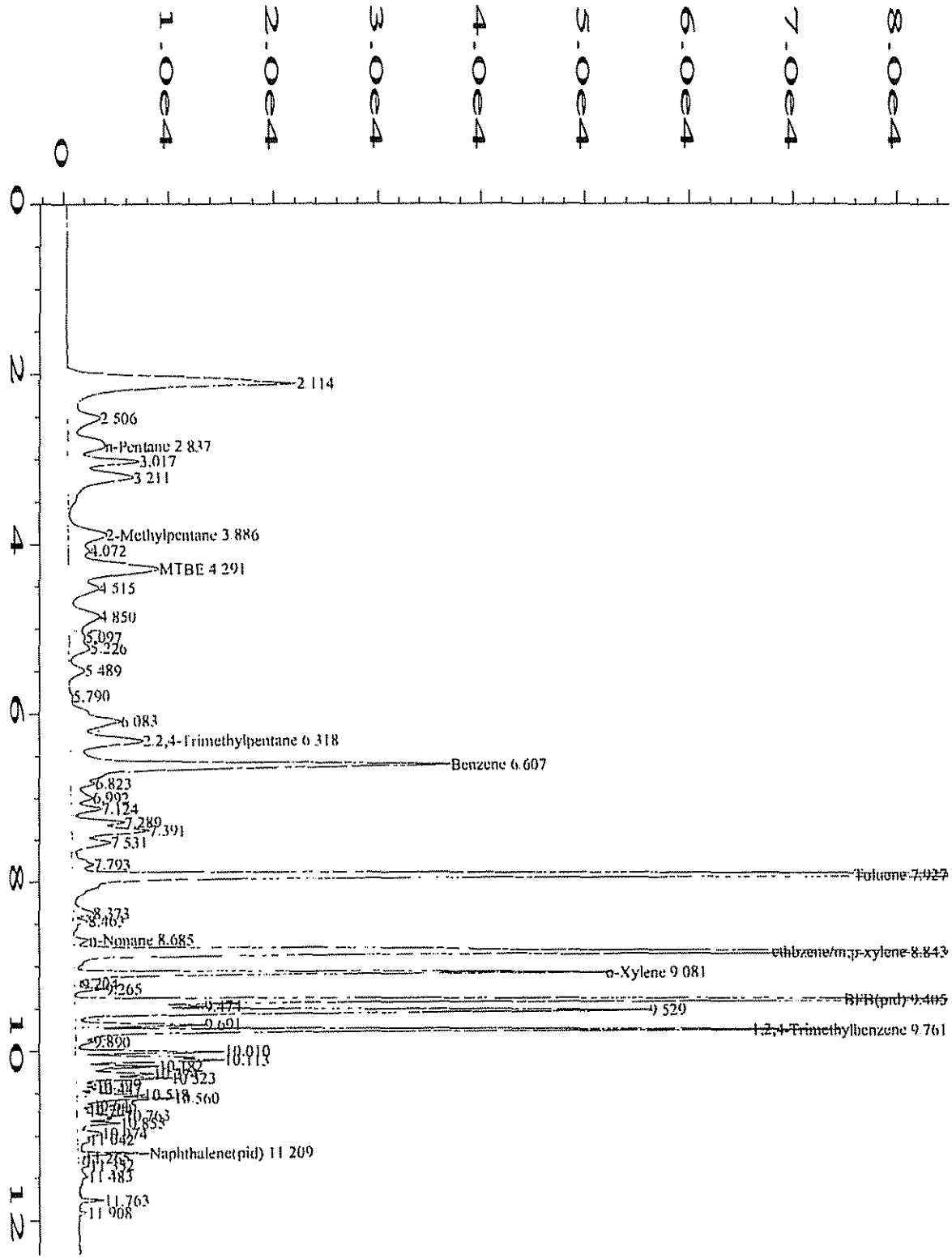

Data File Name	: C:\HPCHEM\1\DATA\vp070805\023R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 23
Sample Name	: 138441 x1 MS	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 05:17 PM	Instrument Method	: GAS1.MTH
Report Created on	: 11 Jul 05 07:15 AM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp070805\024F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 24
Sample Name	: 138441 x1 MSD	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 05:42 PM	Instrument Method:	GAS1.MTH
Report Created on:	11 Jul 05 07:15 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp070805\024F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.770	20161	BV	0.081	1	20.109	n-Pentane
3.876	37407	VV	0.110	1	6.644	2-Methylpentane
4.224	46448	VV	0.179	1	108.882	MTBE
6.308	51849	VV	0.112	1	9.959	2,2,4-Trimethylpentane
6.597	62901	VV	0.085	1	7.972	Benzene
7.924	211608	VV	0.040	1	22.462	Toluene
8.682	9386	VV	0.048	1	2.355	n-Nonane
8.841	211398	VV	0.040	1	20.665	EBenz, m-,p-Xylene
9.080	71900	VV	0.047	1	7.139	o-Xylene
9.403	80873	PV	0.029	1	311.523	BFB
9.760	93141	VV	0.045	1	9.913	1,2,4-Trimethylbenzene
11.209	6055	VV	0.029	1	1.429	Naphthalene
3.006	10465	PV	0.067		104.647	* uncalibrated *
3.205	10659	PV	0.066		106.593	* uncalibrated *
3.716	2229	PV	0.046		22.288	* uncalibrated *
4.533	25423	VV	0.108		254.235	* uncalibrated *
4.852	19281	PV	0.169		192.815	* uncalibrated *
5.099	10911	VV	0.115		109.106	* uncalibrated *
5.222	9623	VV	0.106		96.228	* uncalibrated *
5.478	19247	VV	0.106		192.474	* uncalibrated *
5.791	1611	PV	0.092		16.112	* uncalibrated *
5.961	17917	VV	0.086		179.173	* uncalibrated *
6.087	43279	VV	0.141		432.790	* uncalibrated *
6.736	9085	VV	0.074		90.848	* uncalibrated *
6.825	7366	VV	0.065		73.660	* uncalibrated *
6.982	17316	VV	0.108		173.161	* uncalibrated *
7.118	11777	VV	0.073		117.770	* uncalibrated *
7.283	22955	VV	0.073		229.548	* uncalibrated *
7.389	36917	VV	0.076		369.172	* uncalibrated *
7.524	23907	VV	0.092		239.073	* uncalibrated *
7.794	15230	VV	0.065		152.301	* uncalibrated *
8.057	9373	VV	0.124		93.732	* uncalibrated *
8.380	12681	VV	0.066		126.808	* uncalibrated *
8.460	5998	VV	0.047		59.984	* uncalibrated *
9.203	1955	VV	0.035		19.550	* uncalibrated *
9.264	5308	VV	0.038		53.083	* uncalibrated *
9.527	109166	VV	0.053		1091.657	* uncalibrated *
9.691	19137	VV	0.034		191.369	* uncalibrated *
9.891	3251	VV	0.048		32.509	* uncalibrated *
10.009	19387	VV	0.032		193.870	* uncalibrated *
10.113	34899	VV	0.052		348.994	* uncalibrated *

Data File Name	: C:\HPCHEM\1\DATA\vp070805\024F0101.D		
Operator	: DCS	Page Number	: 2
Instrument	: FID/PID	Vial Number	: 24
Sample Name	: 138441 x1 MSD	Injection Number	: 1
Run Time Bar Code	:	Sequence Line	: 1
Acquired on	: 08 Jul 05 05:42 PM	Instrument Method	: GAS1.MTH
Report Created on	: 11 Jul 05 07:15 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

10.182	12910	VV	0.044	129.103	* uncalibrated *
10.273	14718	VV	0.046	147.184	* uncalibrated *
10.323	14558	VV	0.032	145.577	* uncalibrated *
10.398	3585	VV	0.036	35.845	* uncalibrated *
10.447	2806	VV	0.034	28.061	* uncalibrated *
10.518	9135	VV	0.036	91.349	* uncalibrated *
10.559	16006	VV	0.058	160.056	* uncalibrated *
10.645	2710	VV	0.038	27.097	* uncalibrated *
10.704	2522	VV	0.048	25.219	* uncalibrated *
10.762	7199	VV	0.037	71.988	* uncalibrated *
10.799	4831	VV	0.033	48.307	* uncalibrated *
10.855	7414	VV	0.045	74.139	* uncalibrated *
10.973	7157	VV	0.063	71.574	* uncalibrated *
11.055	5432	VV	0.084	54.323	* uncalibrated *
11.352	1989	VV	0.047	19.893	* uncalibrated *
11.483	2940	VV	0.060	29.399	* uncalibrated *
11.763	4077	VV	0.041	40.771	* uncalibrated *
11.908	1024	VV	0.032	10.237	* uncalibrated *

Calibration table contains at least one peak with amt = 0

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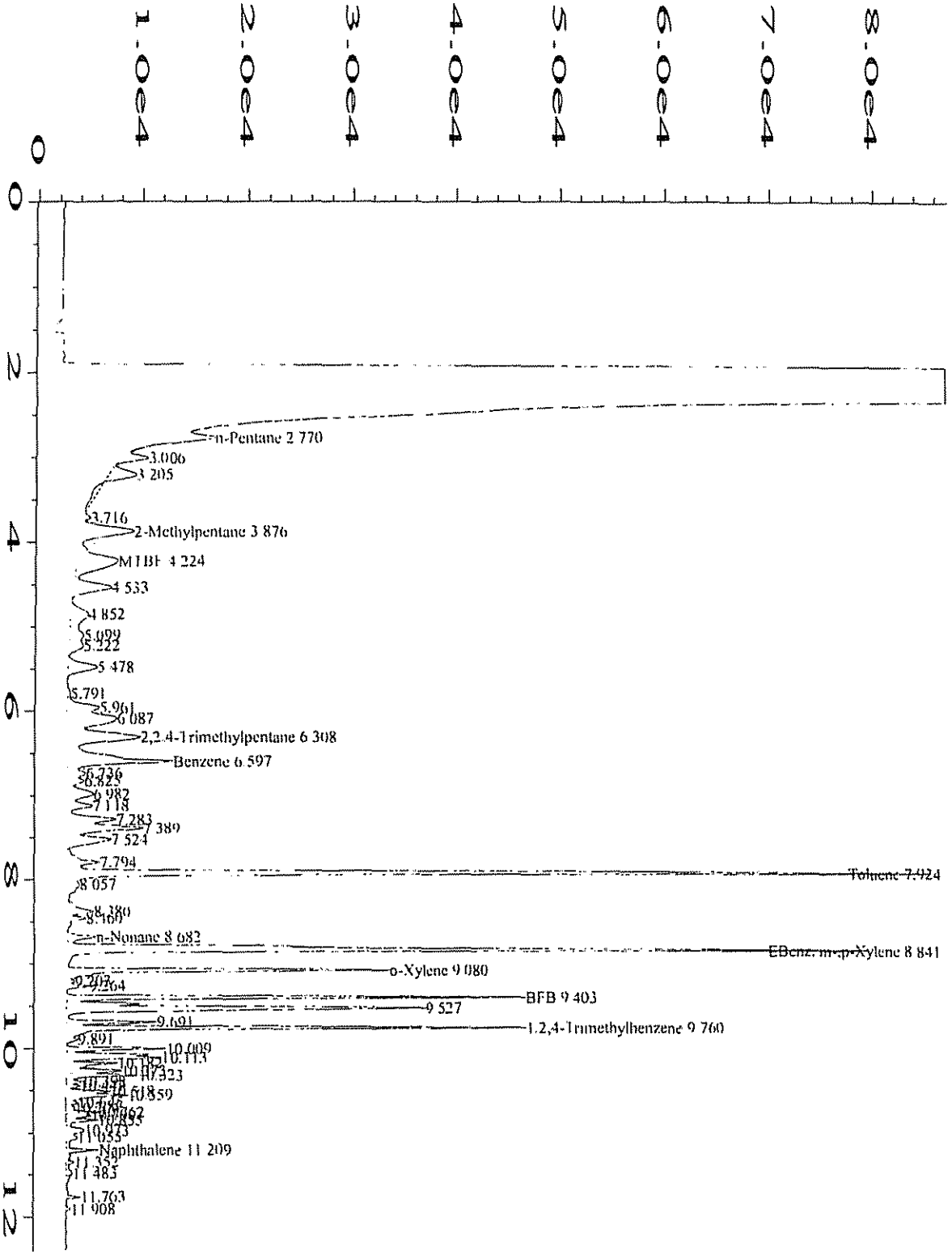


Data File Name	: C:\HPCHEM\1\DATA\vp070805\024F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 24
Sample Name	: 138441 x1 MSD	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 05:42 PM	Instrument Method	: GAS1.MTH
Report Created on	: 11 Jul 05 07:15 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp070805\024R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 24
Sample Name	: 138441 x1 MSD	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 05:42 PM	Instrument Method	: GAS1.MTH
Report Created on	: 11 Jul 05 07:15 AM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp070805\024R0101.D

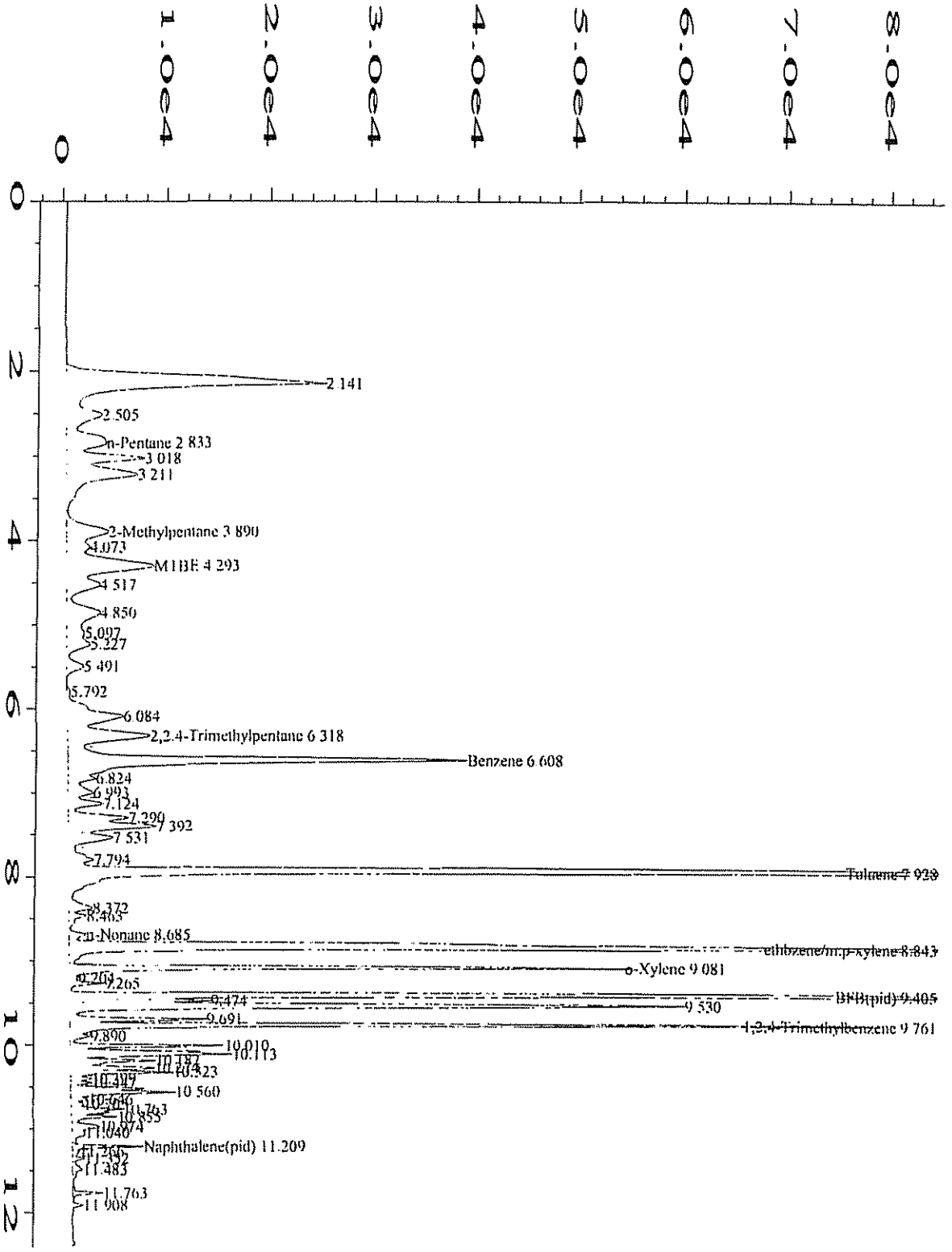
Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.833	42511	VV	0.146	1	6.779	n-Pentane
3.890	41547	VV	0.152	1	4.400	2-Methylpentane
4.293	86270	VV	0.154	1	2.862	MTBE
6.318	65905	VV	0.128	1	4.331	2,2,4-Trimethylpentane
6.608	209188	VV	0.079	1	2.629	Benzene
7.928	544107	VV	0.045	1	13.335	Toluene
8.685	6581	VV	0.069	1	0.970	n-Nonane
8.843	453656	VV	0.042	1	13.412	ethbzene/m,p-xylene
9.081	128020	VV	0.037	1	3.305	o-Xylene
9.405	378904	VV	0.047	1	25.502	BFB(pid)
9.761	170643	VV	0.034	1	5.558	1,2,4-Trimethylbenzene
11.209	12846	VV	0.029	1	0.734	Naphthalene(pid)
2.141	225799	BV	0.115		2257.988	* uncalibrated *
2.505	36283	VV	0.145		362.834	* uncalibrated *
3.018	44605	VV	0.091		446.054	* uncalibrated *
3.211	73897	VV	0.160		738.971	* uncalibrated *
4.073	14678	VV	0.096		146.778	* uncalibrated *
4.517	29723	VV	0.141		297.234	* uncalibrated *
4.850	38066	VV	0.176		380.659	* uncalibrated *
5.097	11594	VV	0.097		115.937	* uncalibrated *
5.227	18512	VV	0.121		185.118	* uncalibrated *
5.491	12067	VV	0.116		120.671	* uncalibrated *
5.792	2049	PV	0.087		20.491	* uncalibrated *
6.084	54977	VV	0.139		549.771	* uncalibrated *
6.824	11672	VV	0.066		116.718	* uncalibrated *
6.993	16468	VV	0.098		164.684	* uncalibrated *
7.124	16736	VV	0.075		167.358	* uncalibrated *
7.290	27189	VV	0.071		271.891	* uncalibrated *
7.392	47414	VV	0.085		474.139	* uncalibrated *
7.531	26060	VV	0.096		260.602	* uncalibrated *
7.794	15586	VV	0.087		155.861	* uncalibrated *
8.372	12961	VV	0.088		129.606	* uncalibrated *
8.463	7871	VV	0.066		78.707	* uncalibrated *
9.204	1678	VV	0.036		16.776	* uncalibrated *
9.265	8508	VV	0.040		85.075	* uncalibrated *
9.474	23076	VV	0.028		230.757	* uncalibrated *
9.530	188671	VV	0.052		1886.714	* uncalibrated *
9.691	29967	VV	0.035		299.675	* uncalibrated *
9.890	5976	VV	0.054		59.761	* uncalibrated *
10.010	30708	VV	0.033		307.081	* uncalibrated *
10.113	58153	VV	0.051		581.530	* uncalibrated *

Data File Name : C:\HPCHEM\1\DATA\vp070805\024R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : 138441 x1 MSD
Run Time Bar Code:
Acquired on : 08 Jul 05 05:42 PM
Report Created on: 11 Jul 05 07:15 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 2
Vial Number : 24
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.182	21147	VV	0.044	211.465	* uncalibrated *
10.274	21662	VV	0.048	216.621	* uncalibrated *
10.323	22072	VV	0.037	220.718	* uncalibrated *
10.399	4785	VV	0.041	47.852	* uncalibrated *
10.447	4223	VV	0.035	42.228	* uncalibrated *
10.560	41732	VV	0.074	417.316	* uncalibrated *
10.646	3745	VV	0.038	37.448	* uncalibrated *
10.705	2987	VV	0.042	29.866	* uncalibrated *
10.763	18721	VV	0.057	187.211	* uncalibrated *
10.855	10445	VV	0.045	104.451	* uncalibrated *
10.974	10525	VV	0.063	105.254	* uncalibrated *
11.040	6367	VV	0.086	63.665	* uncalibrated *
11.266	2141	VV	0.053	21.405	* uncalibrated *
11.352	2865	VV	0.049	28.645	* uncalibrated *
11.483	5915	VV	0.079	59.149	* uncalibrated *
11.763	6378	VV	0.034	63.783	* uncalibrated *
11.908	2116	VV	0.034	21.160	* uncalibrated *

==========



Data File Name	: C:\HPCHEM\1\DATA\vp070805\024R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 24
Sample Name	: 138441 x1 MSD	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 08 Jul 05 05:42 PM	Instrument Method:	GAS1.MTH
Report Created on:	11 Jul 05 07:15 AM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

VPH Prep, Standard, Run Logs

Paradigm Analytical

GC4 VPH Runlog Sheet

Method: VPH/5030 GRO

Initial Cal. Curve: VPH-06/08/05 GRO-06/01/05

Matrix: Water/Soil

Batch: vp070805

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
001F0101.D	b	7/8/05 7:43				DCS		
002F0101.D	V 500	7/8/05 8:09				DCS		
003F0101.D	b	7/8/05 8:34				DCS		
004F0101.D	G500	7/8/05 8:59				DCS		
005F0101.D	lcs4070805a	7/8/05 9:25				DCS		
006F0101.D	b	7/8/05 9:50				DCS		
007F0101.D	vblk4070805a	7/8/05 10:15				DCS		
008F0101.D	G211-1829-12E x20	7/8/05 10:42	cid= 135630			DCS		
009F0101.D	G122-2613-1E x1	7/8/05 11:07	cid= 136410			DCS		
010F0101.D	G122-2613-2C x1	7/8/05 11:32	cid= 136414			DCS		
011F0101.D	G161-2054-1B x1	7/8/05 11:57	cid= 138109			DCS		
012F0101.D	G161-2055-1E x1	7/8/05 12:23	cid= 138118			DCS		
013F0101.D	G161-2055-2E x1	7/8/05 12:48	cid= 138124			DCS		
014F0101.D	137598 x1	7/8/05 13:13				DCS		
015F0101.D	G161-2049-1A x5	7/8/05 13:38	cid= 137588			DCS		
016F0101.D	G161-2046-1D x1	7/8/05 14:04	cid= 136912			DCS		
017F0101.D	G161-2046-4E x1	7/8/05 14:29	cid= 136950			DCS		
018F0101.D	G161-2046-2D x100	7/8/05 14:54	cid= 136922			DCS		
019F0101.D	b	7/8/05 15:36				DCS		
020F0101.D	G500	7/8/05 16:01				DCS		

Analyst: _____

Page Number: _____

PARADIGM ANALYTICAL LABORATORIES, INC

N.C CERTIFICATION #481

Paradigm Analytical

GC4 VPH Runlog Sheet

Method: VPH/5030 GRO

Initial Cal. Curve: VPH-06/08/05 GRO-06/01/05

Matrix: Water/Soil

Batch: vp070805

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
021F0101.D	lcs4070805b	7/8/05 16:26				DCS		
022F0101.D	vblk4070805b	7/8/05 16:51				DCS		
023F0101.D	G161-2059-2B x1 MS	7/8/05 17:17	cid= 138441			DCS		
024F0101.D	G161-2059-2B x1 MSD	7/8/05 17:42	cid= 138441			DCS		
025F0101.D	G161-2058-5B x1	7/8/05 18:07	cid= 138432			DCS		
026F0101.D	G161-2058-6B x1	7/8/05 18:33	cid= 138435			DCS		
027F0101 D	G161-2059-1B x1	7/8/05 18:58	cid= 138438			DCS		
028F0101.D	G161-2059-2B x1	7/8/05 19:23	cid= 138441			DCS		
029F0101.D	G161-2059-3B x1	7/8/05 19:48	cid= 138444			DCS		
030F0101 D	G161-2059-4A x1	7/8/05 20:14	cid= 138446			DCS		
031F0101.D	G161-2059-5B x1	7/8/05 20:39	cid= 138450			DCS		
032F0101.D	G161-2059-6B x1	7/8/05 21:04	cid= 138453			DCS		
033F0101.D	G161-2059-7B x1	7/8/05 21:29	cid= 138456			DCS		
034F0101.D	G161-2059-8A x1	7/8/05 21:55	cid= 138458			DCS		
035F0101.D	G161-2061-1B x1	7/8/05 22:20	cid= 138940			DCS		
036F0101.D	G161-2061-2B x1	7/8/05 22:45	cid= 138943			DCS		
037F0101.D	G161-2061-3A x1	7/8/05 23:11	cid= 138945			DCS		
038F0101.D	G161-2061-4B x1	7/8/05 23:36	cid= 138949			DCS		
039F0101.D	G161-2061-5B x1	7/9/05 0:01	cid= 138952			DCS		
040F0101.D	G161-2061-6B x1	7/9/05 0:26	cid= 138955			DCS		

Analyst: _____

Page Number: _____

Paradigm Analytical

GC4 VPH Runlog Sheet

Method: VPH/5030 GRO

Initial Cal. Curve: VPH-06/08/05 GRO-06/01/05

Matrix: Water/Soil

Batch: vp070805

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
041F0101.D	G161-2061-7A x1	7/9/05 0:52	cid= 138957			DCS		
042F0101.D	G161-2061-8B x1	7/9/05 1:17	cid= 138961			DCS		
043F0101.D	G161-2061-8B x1 MS	7/9/05 1:42	cid= 138961			DCS		
044F0101.D	G161-2061-8B x1 MSD	7/9/05 2:07	cid= 138961			DCS		
045F0101.D	vlcs4070805b	7/9/05 2:32				DCS		

Analyst: _____

Page Number: _____

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

Volatiles Standard Logbook # 6 **Working Standard**
Paradigm Analytical

ID: VPH-QC-7-060805

referring page	Item	Lot Number	Components	Vendor	Initial conc. (ppm)	uL/3mL	final conc (ppm)
	1	A029644	MA VPH	Restek	500-1500	1200	400
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	10						

Calculations:

Prep: 6/8/05
Expires: 12/8/05

Comments:

Notes:
Lot # format is "xxx-yyy-mmddyyz" where xxx is the logbook number, yyy is the page number. mmddyy is the date, and z is an additional identifier

Page:

EPH Sample Raw Data

External Standard Report

Data File Name : C:\HPCHEM\1\DATA\EP070805\017F1701.D
Operator : DCS
Instrument : GC6
Sample Name : G161-2054-1H x1 T
Run Time Bar Code: 139160
Acquired on : 8 Jul 05 4:05:47 PM
Report Created on: 11 Jul 2005 1:36:32 PM
Last Recalib on : 11 Jul 2005 11:25:11 AM
Multiplier : 1.0000

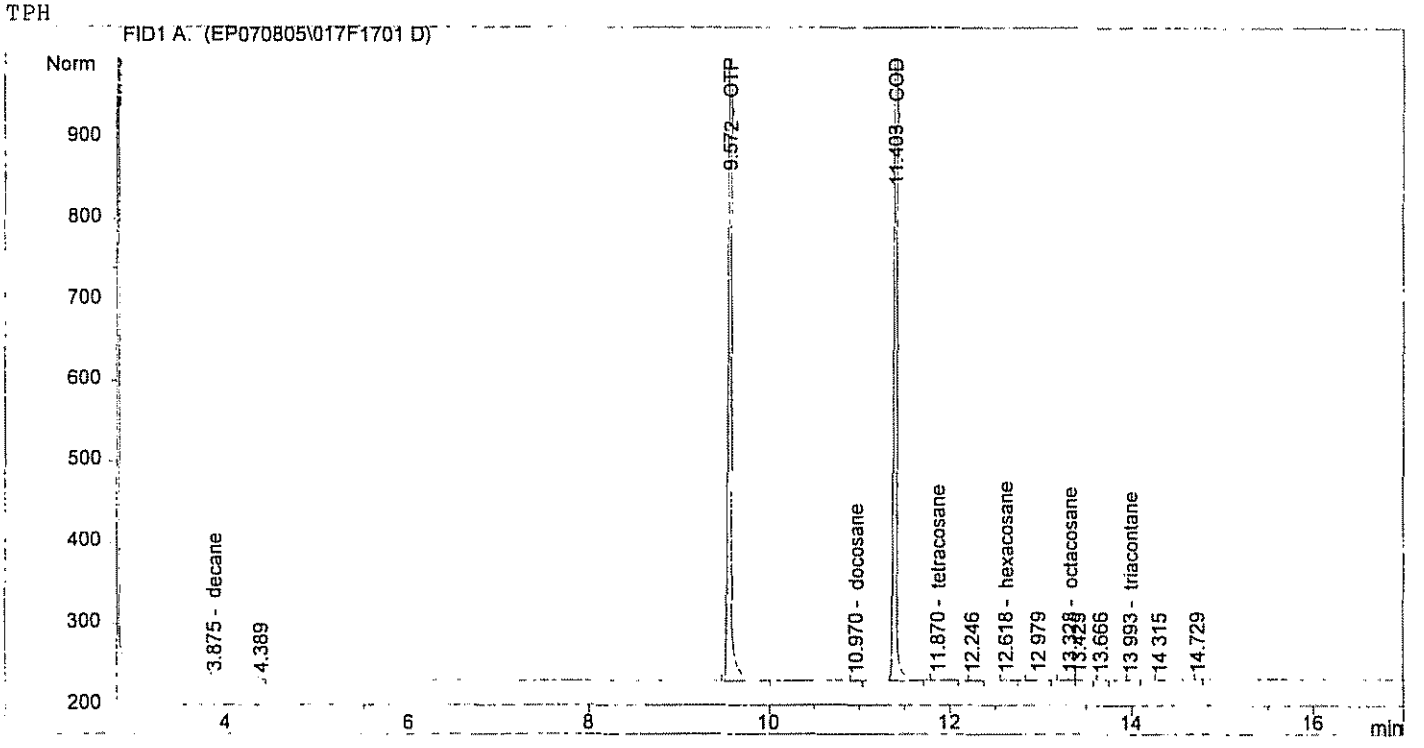
Page Number :
Vial Number : Vial 17
Injection Number : 1
Sequence Line : 17
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

DCS 7/11

Sig. 1 in C:\HPCHEM\1\DATA\EP070805\017F1701.D

Ret Time	Area	Type	Width	Ref#	ng	Name
3.072	0.00000	XX	0.00	1	0.00000	nonane
3.875	2.47695	BP	0.02	2	3.729e-6	decane
5.541	0.00000	XX	0.00	3	0.00000	dodecane
6.610	0.00000	XX	0.00	4	0.00000	2-FB(frac2)
6.898	0.00000	XX	0.00	5	0.00000	tetradecane
7.485	0.00000	XX	0.00	6	0.00000	2-BrN(frac)
8.095	0.00000	XX	0.00	7	0.00000	hexadecane
9.172	0.00000	XX	0.00	8	0.00000	octadecane
9.572	2791.50537	VB	0.02	9	0.00420	OTP
9.586	0.00000	XX	0.00	10	0.00000	nonadecane
10.154	0.00000	XX	0.00	11	0.00000	eicosane
10.970	3.40942	VB	0.03	12	5.133e-6	docosane
11.403	2556.11157	VB	0.02	13	0.00385	COD
11.870	18.40540	VP	0.09	14	2.771e-5	tetracosane
12.618	8.37399	VP	0.04	15	1.261e-5	hexacosane
13.328	7.92188	PV	0.04	16	1.193e-5	octacosane
13.993	3.91575	VP	0.03	17	5.895e-6	triacontane
16.215	0.00000	XX	0.00	18	0.00000	hexatriacontane
0.560	5.16811	VP	9.33e	1	7.781e-6	* uncalibrated *
0.589	398.76956	VV	0.01	2	0.00060	* uncalibrated *
1.532	6.31524e7	VVS	0.81	3	95.07549	* uncalibrated *
1.705	1.02850e5	VVS	0.01	4	0.15484	* uncalibrated *
1.727	1.33610e5	VVS	0.02	5	0.20115	* uncalibrated *
1.750	1.12602e5	VVS	0.02	6	0.16952	* uncalibrated *
1.810	2.82870e5	VVS	0.05	7	0.42586	* uncalibrated *
1.895	3.64218e5	VVS	0.07	8	0.54833	* uncalibrated *
1.967	3.47010e5	VVS	0.08	9	0.52242	* uncalibrated *
2.091	2.54446e5	VVS	0.05	10	0.38307	* uncalibrated *
2.134	1.31103e5	VVS	0.03	11	0.19738	* uncalibrated *
2.175	1.53732e5	VVS	0.03	12	0.23144	* uncalibrated *
2.239	2.06339e5	VVS	0.05	13	0.31064	* uncalibrated *
2.333	2.26144e5	VVS	0.06	14	0.34046	* uncalibrated *
2.362	1.30047e5	VVS	0.03	15	0.19578	* uncalibrated *
2.410	8.94178e4	VVS	0.02	16	0.13462	* uncalibrated *
2.448	1.42922e5	VVS	0.03	17	0.21517	* uncalibrated *
2.516	1.76818e5	VVS	0.04	18	0.26620	* uncalibrated *
2.568	1.20472e5	VVS	0.02	19	0.18137	* uncalibrated *
2.603	1.06404e5	VVS	0.03	20	0.16019	* uncalibrated *
2.641	1.51113e5	VVS	0.07	21	0.22750	* uncalibrated *
2.751	1.55782e4	VVS	0.02	22	0.02345	* uncalibrated *
2.775	1.74953e4	VBAS	0.02	23	0.02634	* uncalibrated *
4.389	2.52383	VB	0.02	24	3.800e-6	* uncalibrated *
12.246	7.82747	BB	0.04	25	1.178e-5	* uncalibrated *

```
==================================================================
Injection Date  : 7/8/2005 4:05:47 PM          Seq. Line :  17
Sample Name     : 139160 x1 T                   Location : Vial 17
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 7/11/2005 11:25:13 AM by DCS
                  (modified after loading)
TPH
```




```
==================================================================
                      Area Percent Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/11/2005 11:25:11 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.072		0.0000	0.00000	0.00000	nonane
2	3.875	BP	0.0253	2.47695	3.729e-6	decane
3	5.541		0.0000	0.00000	0.00000	dodecane
4	6.610		0.0000	0.00000	0.00000	2-FB(frac2)
5	6.898		0.0000	0.00000	0.00000	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	8.095		0.0000	0.00000	0.00000	hexadecane
8	9.172		0.0000	0.00000	0.00000	octadecane
9	9.572	VB	0.0284	2791.50537	0.00420	OTP
10	9.586		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	10.970	VB	0.0312	3.40942	5.133e-6	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.403	VB	0.0282	2556.11157	0.00385	COD
14	11.870	VP	0.0935	18.40540	2.771e-5	tetracosane
15	12.618	VP	0.0456	8.37399	1.261e-5	hexacosane
16	13.328	PV	0.0464	7.92188	1.193e-5	octacosane
17	13.993	VP	0.0381	3.91575	5.895e-6	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 5392.12034 8.118e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.560	VP	9.33e-3	5.16811	7.781e-6	?
2	0.589	VV	0.0150	398.76956	0.00060	?
3	1.532	VV S	0.8100	6.31524e7	95.07549	?
4	1.705	VV S	0.0188	1.02850e5	0.15484	?
5	1.727	VV S	0.0243	1.33610e5	0.20115	?
6	1.750	VV S	0.0256	1.12602e5	0.16952	?
7	1.810	VV S	0.0569	2.82870e5	0.42586	?
8	1.895	VV S	0.0714	3.64218e5	0.54833	?
9	1.967	VV S	0.0869	3.47010e5	0.52242	?
10	2.091	VV S	0.0567	2.54446e5	0.38307	?
11	2.134	VV S	0.0314	1.31103e5	0.19738	?
12	2.175	VV S	0.0377	1.53732e5	0.23144	?
13	2.239	VV S	0.0560	2.06339e5	0.31064	?
14	2.333	VV S	0.0621	2.26144e5	0.34046	?
15	2.362	VV S	0.0353	1.30047e5	0.19578	?
16	2.410	VV S	0.0260	8.94178e4	0.13462	?
17	2.448	VV S	0.0381	1.42922e5	0.21517	?
18	2.516	VV S	0.0496	1.76818e5	0.26620	?
19	2.568	VV S	0.0266	1.20472e5	0.18137	?
20	2.603	VV S	0.0354	1.06404e5	0.16019	?
21	2.641	VV S	0.0708	1.51113e5	0.22750	?
22	2.751	VV S	0.0210	1.55782e4	0.02345	?
23	2.775	VBAS	0.0252	1.74953e4	0.02634	?
24	4.389	VB	0.0237	2.52383	3.800e-6	?
25	12.246	BB	0.0445	7.82747	1.178e-5	?
26	12.979	BB	0.0386	8.51099	1.281e-5	?
27	13.429	VB	0.0690	7.32382	1.103e-5	?
28	13.666	PB	0.0365	6.25265	9.413e-6	?
29	14.315	BB	0.0441	3.21647	4.842e-6	?
30	14.729	BV	0.0394	3.72252	5.604e-6	?

Uncalib. totals : 6.64180e7 99.9919

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

EPH Calibration Raw Data

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 07/05/05

Calibration Ranges and Limits

Range	MDL (2/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_9-C_{18} Aliphatics	3.84	12.2	100	10
C_{19}-C_{36} Aliphatics	0.57	1.8	100	10
C_{11}-C_{22} Aromatics	4.54	14.4	100	10

Calibration Concentration Levels

Range	Levels (µg/mL)	%RSD or CCC	Method of Quantitation
C_9-C_{18} Aliphatics	6	16.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	9.4	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	16.4	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 07/05/05

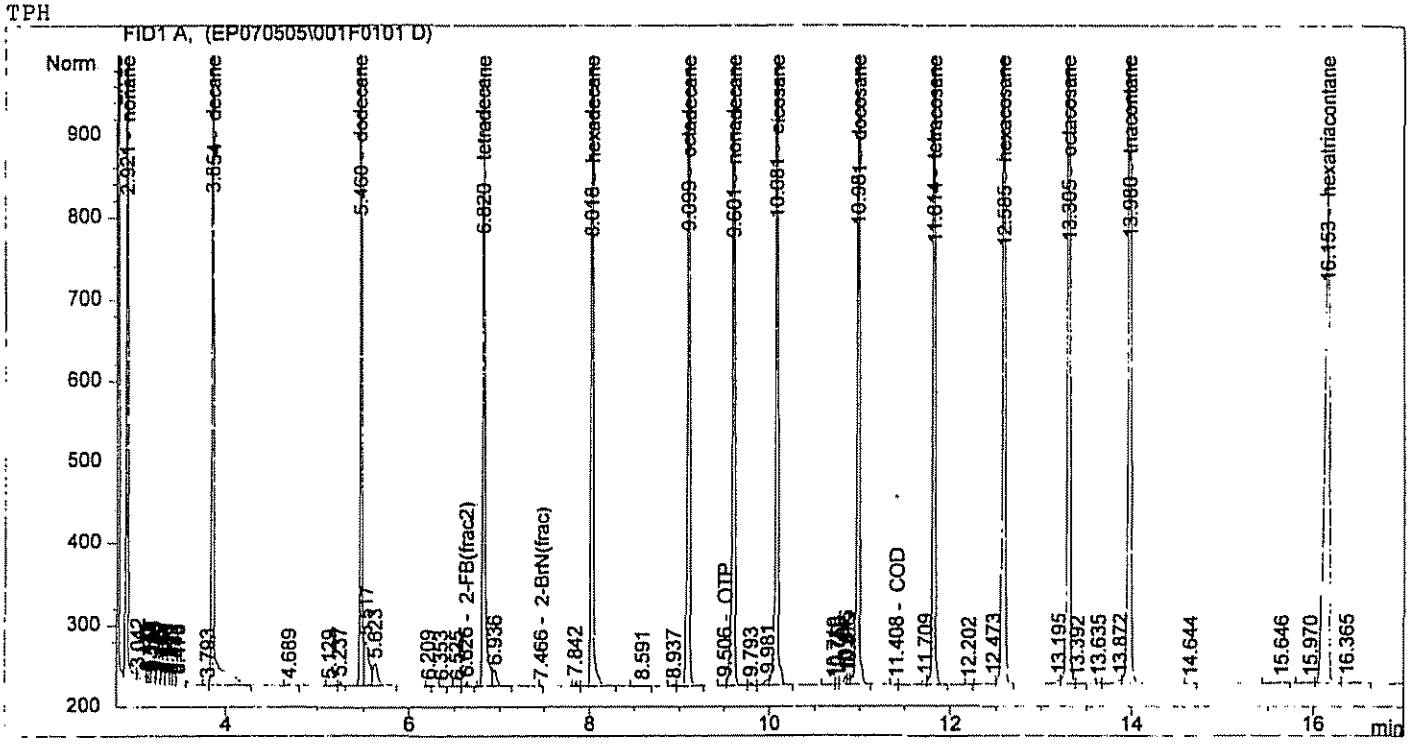
Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	60	7.5
C_{19}-C_{36} Aliphatics	80	5.0
C_{11}-C_{22} Aromatics	340	-6.8

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

```
==================================================================
Injection Date  : 7/5/2005 5:16:20 PM          Seq. Line :   1
Sample Name     : K 40 ical                     Location : Vial 1
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 7/6/2005 8:18:01 AM by DCS
                  (modified after loading)
```

TPH

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==================================================================
                      Area Percent Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      7/6/2005 8:17:09 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	2.921	VV	0.0197	1464.65564	0.00317	nonane
2	3.854	VB	0.0222	1790.48792	0.00388	decane
3	5.460	BV	0.0199	1430.95947	0.00310	dodecane
4	6.626	VP	0.0206	7.48499	1.621e-5	2-FB(frac2)
5	6.820	PV	0.0236	1657.45227	0.00359	tetradecane
6	7.466	VV	0.0199	2.18315	4.729e-6	2-BrN(frac)
7	8.018	VB	0.0238	1709.42993	0.00370	hexadecane
8	9.099	VB	0.0229	1746.29138	0.00378	octadecane
9	9.506	VV	0.0437	12.64255	2.739e-5	OTP
10	9.601	VV	0.0239	1754.91345	0.00380	nonadecane
11	10.081	VB	0.0244	1773.12976	0.00384	eicosane
12	10.981	VB	0.0259	1833.64990	0.00397	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.408	VV	0.0237	2.83018	6.131e-6	COD
14	11.814	VB	0.0248	1945.84497	0.00422	tetracosane
15	12.585	VB	0.0272	2059.55396	0.00446	hexacosane
16	13.305	VV	0.0265	2119.26245	0.00459	octacosane
17	13.980	VB	0.0281	2144.35718	0.00465	triacontane
18	16.153	VV	0.0479	2181.43066	0.00473	hexatriacontane

Totals : 2.56366e4 5.554e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.503	VV	9.75e-3	3.87532	8.395e-6	?
2	0.544	VP	0.0316	5.63474	1.221e-5	?
3	0.586	VV	0.0117	5.04803	1.094e-5	?
4	1.338	VV S	0.5681	4.23728e7	91.79164	?
5	1.414	VV S	0.0360	2.38145e5	0.51589	?
6	1.457	VV S	0.0292	1.72238e5	0.37312	?
7	1.504	VV S	0.0458	1.76019e5	0.38131	?
8	1.546	VV S	0.0287	1.69392e5	0.36695	?
9	1.601	VV S	0.0366	1.57039e5	0.34019	?
10	1.641	VV S	0.0241	1.22659e5	0.26571	?
11	1.695	VV S	0.0763	2.72603e5	0.59054	?
12	1.755	VV S	0.0195	7.76362e4	0.16818	?
13	1.793	VV S	0.0376	1.34446e5	0.29125	?
14	1.831	VV S	0.0335	1.07141e5	0.23210	?
15	1.872	VV S	0.0644	2.10311e5	0.45559	?
16	1.942	VV S	0.0296	1.10279e5	0.23890	?
17	1.985	VV S	0.0306	1.08470e5	0.23498	?
18	2.015	VV S	0.0404	1.33654e5	0.28953	?
19	2.067	VV S	0.0307	1.20978e5	0.26207	?
20	2.119	VV S	0.0361	1.11782e5	0.24215	?
21	2.157	VV S	0.0242	9.02686e4	0.19555	?
22	2.186	VV S	0.0382	1.11930e5	0.24247	?
23	2.253	VV S	0.0686	1.92893e5	0.41786	?
24	2.320	VV S	0.0480	1.25387e5	0.27162	?
25	2.368	VV S	0.0355	1.10194e5	0.23871	?
26	2.409	VV S	0.0360	1.19187e5	0.25819	?
27	2.517	VV S	0.0835	2.24705e5	0.48678	?
28	2.558	VV S	0.0325	8.51239e4	0.18440	?
29	2.604	VV S	0.0342	9.25618e4	0.20052	?
30	2.629	VV S	0.0267	6.85026e4	0.14840	?
31	2.661	VV S	0.0394	8.39189e4	0.18179	?
32	2.743	VV S	0.0265	2.02835e4	0.04394	?
33	2.783	VBAS	0.0257	1.49929e4	0.03248	?
34	3.042	VV	0.0527	24.43899	5.294e-5	?
35	3.145	VV	0.0199	4.62410	1.002e-5	?
36	3.171	VV	0.0203	4.47648	9.697e-6	?
37	3.206	VV	0.0349	9.59216	2.078e-5	?
38	3.246	VV	0.0331	6.90560	1.496e-5	?
39	3.298	VV	0.0312	6.23980	1.352e-5	?
40	3.356	VV	0.0351	5.85852	1.269e-5	?
41	3.399	VV	0.0249	4.84861	1.050e-5	?
42	3.438	VV	0.0249	5.46262	1.183e-5	?
43	3.475	VV	0.0709	18.64049	4.038e-5	?
44	3.793	VV	0.0224	2.90003	6.282e-6	?
45	4.689	BV	0.0429	7.91076	1.714e-5	?
46	5.129	PV	0.0449	4.37063	9.468e-6	?
47	5.237	VP	0.0226	6.70182	1.452e-5	?
48	5.517	VV	0.0540	222.93123	0.00048	?
49	5.623	VB	0.0528	102.38389	0.00022	?
50	6.209	BB	0.0195	2.34533	5.081e-6	?
51	6.353	BB	0.0243	1.79134	3.881e-6	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
52	6.525	BP	0.0244	2.18359	4.730e-6	?
53	6.936	VB	0.0440	60.72083	0.00013	?
54	7.842	BP	0.0204	8.61642	1.867e-5	?
55	8.591	PP	0.0361	2.88831	6.257e-6	?
56	8.937	VV	0.0227	3.62133	7.845e-6	?
57	9.793	VB	0.0266	6.90356	1.496e-5	?
58	9.981	BV	0.0466	25.66632	5.560e-5	?
59	10.719	VV	0.0389	5.30762	1.150e-5	?
60	10.759	VV	0.0273	4.78670	1.037e-5	?
61	10.845	VV	0.0405	29.55837	6.403e-5	?
62	10.879	VV	0.0199	11.17134	2.420e-5	?
63	11.709	VV	0.0740	34.67511	7.512e-5	?
64	12.202	BB	0.0251	2.59528	5.622e-6	?
65	12.473	BV	0.0615	24.98494	5.412e-5	?
66	13.195	BV	0.0527	19.44730	4.213e-5	?
67	13.392	VP	0.0318	4.46860	9.680e-6	?
68	13.635	BV	0.0236	5.09245	1.103e-5	?
69	13.872	VV	0.0509	16.51588	3.578e-5	?
70	14.644	VV	0.0434	5.10860	1.107e-5	?
71	15.646	BB	0.0652	6.63919	1.438e-5	?
72	15.970	PV	0.0810	10.48173	2.271e-5	?
73	16.365	VB	0.0774	18.27855	3.960e-5	?

Uncalib. totals : 4.61364e7 99.9445

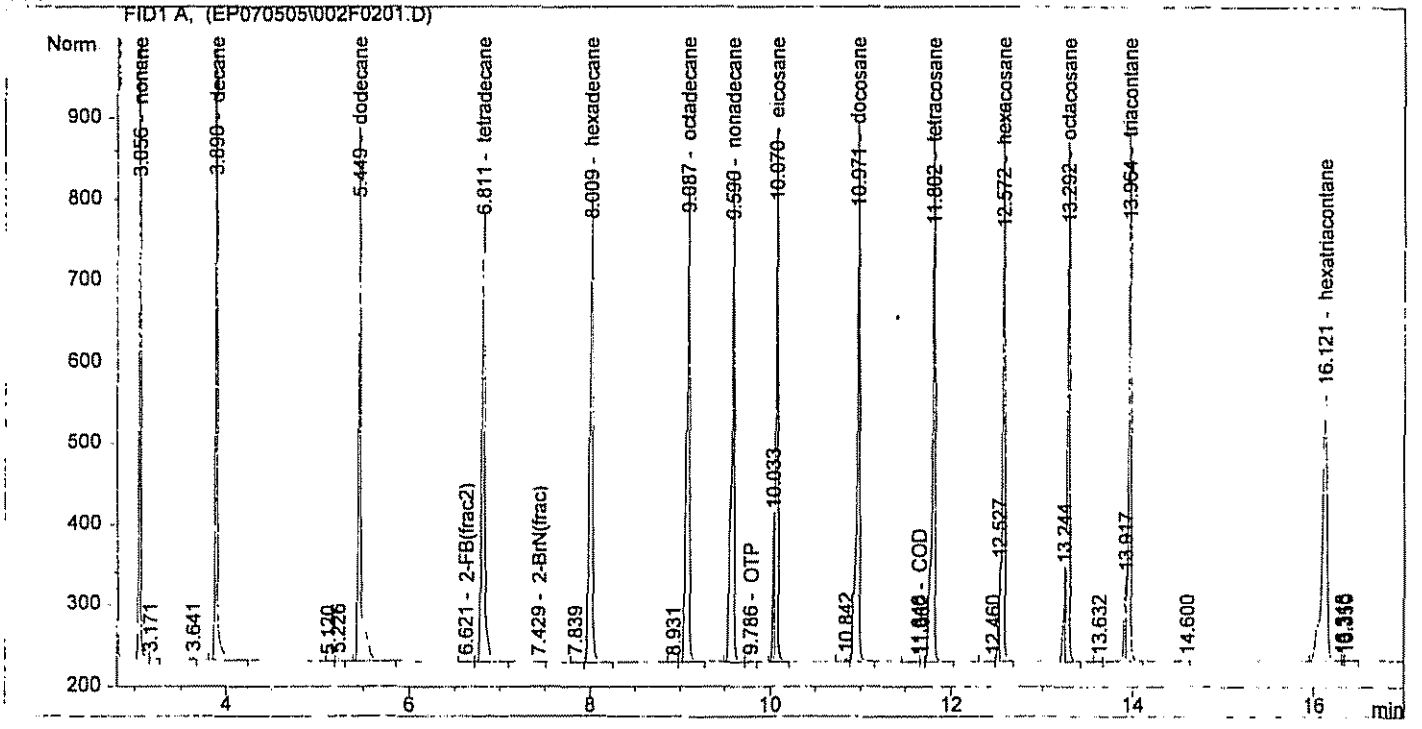
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

Injection Date	: 7/5/2005 5:43:12 PM	Seq. Line :	2
Sample Name	: K 20 ical	Location :	Vial 2
Acq. Operator	: DCS	Inj :	1
Acq. Instrument	: GC6	Inj Volume :	10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPHTK_F.M		
Last changed	: 7/6/2005 8:18:24 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	7/6/2005 8:17:09 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.056	VV	0.0170	1266.11841	0.00168	nonane
2	3.890	PB	0.0194	1279.19031	0.00170	decane
3	5.449	VP	0.0291	1286.24854	0.00171	dodecane
4	6.621	VP	0.0412	6.88729	9.156e-6	2-FB(frac2)
5	6.811	VB	0.0320	1285.44092	0.00171	tetradecane
6	7.429	PB	0.0302	2.59298	3.447e-6	2-BrN(frac)
7	8.009	BB	0.0314	1288.99622	0.00171	hexadecane
8	9.087	VB	0.0319	1301.94788	0.00173	octadecane
9	9.590	VV	0.0316	1299.69238	0.00173	nonadecane
10	9.786	VP	0.0426	6.33639	8.423e-6	OTP
11	10.070	VB	0.0222	1026.11792	0.00136	eicosane
12	10.971	VP	0.0289	1297.54663	0.00172	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.646	VV	0.0566	4.78266	6.358e-6	COD
14	11.802	VB	0.0280	1300.71521	0.00173	tetracosane
15	12.572	VB	0.0246	1141.47192	0.00152	hexacosane
16	13.292	VB	0.0264	1119.32971	0.00149	octacosane
17	13.964	VB	0.0262	1129.04834	0.00150	triacontane
18	16.121	BV	0.0543	1246.25208	0.00166	hexatriacontane

Totals : 1.72887e4 2.298e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.519	BV	0.0246	57.74522	7.676e-5	?
2	0.586	VV	0.0237	60.70682	8.070e-5	?
3	1.757	VV S	0.9269	7.50090e7	99.71239	?
4	1.871	PV T	0.0724	3.66966e4	0.04878	?
5	1.900	VV S	0.0222	7539.72803	0.01002	?
6	1.938	VV S	0.0413	1.36300e4	0.01812	?
7	1.987	VV S	0.0322	9887.83594	0.01314	?
8	2.029	VV S	0.0314	8891.41602	0.01182	?
9	2.056	VV S	0.0341	9171.54004	0.01219	?
10	2.101	VV S	0.0435	1.19341e4	0.01586	?
11	2.167	VV S	0.0639	1.51115e4	0.02009	?
12	2.231	VV S	0.0450	1.08432e4	0.01441	?
13	2.276	VV S	0.0244	6460.79590	0.00859	?
14	2.313	VV S	0.0343	7420.84668	0.00986	?
15	2.342	VV S	0.0223	5157.41846	0.00686	?
16	2.368	VV S	0.0193	4072.39526	0.00541	?
17	2.397	VV S	0.0270	5564.77979	0.00740	?
18	2.442	VV S	0.0397	7676.17383	0.01020	?
19	2.477	VV S	0.0298	6480.95703	0.00862	?
20	2.524	VV S	0.0451	7486.56201	0.00995	?
21	2.571	VV S	0.0323	5891.19531	0.00783	?
22	2.606	VV S	0.0380	6896.95996	0.00917	?
23	2.653	VV S	0.0300	4868.49316	0.00647	?
24	2.704	VV S	0.0347	3265.92163	0.00434	?
25	2.759	VBAS	0.0521	3142.03711	0.00418	?
26	3.171	VB	0.0459	6.17071	8.203e-6	?
27	3.641	VB	0.0169	3.83051	5.092e-6	?
28	5.120	PB	0.0367	3.31076	4.401e-6	?
29	5.226	BV	0.0268	6.33691	8.424e-6	?
30	7.839	VP	0.0332	6.13517	8.156e-6	?
31	8.931	BP	0.0343	2.61409	3.475e-6	?
32	10.033	VV	0.0224	274.32721	0.00036	?
33	10.842	VV	0.0436	12.46182	1.657e-5	?
34	11.682	VV	0.0328	3.37227	4.483e-6	?
35	12.460	BV	0.0513	4.44878	5.914e-6	?
36	12.527	VV	0.0215	160.92191	0.00021	?
37	13.244	VV	0.0245	182.79713	0.00024	?
38	13.632	BP	0.0284	2.38395	3.169e-6	?
39	13.917	VV	0.0256	173.30225	0.00023	?
40	14.600	PV	0.0405	3.38775	4.503e-6	?
41	16.318	VV	0.0219	2.13633	2.840e-6	?
42	16.350	VB	0.0609	7.15532	9.512e-6	?

Uncalib. totals : 7.52081e7 99.9770

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

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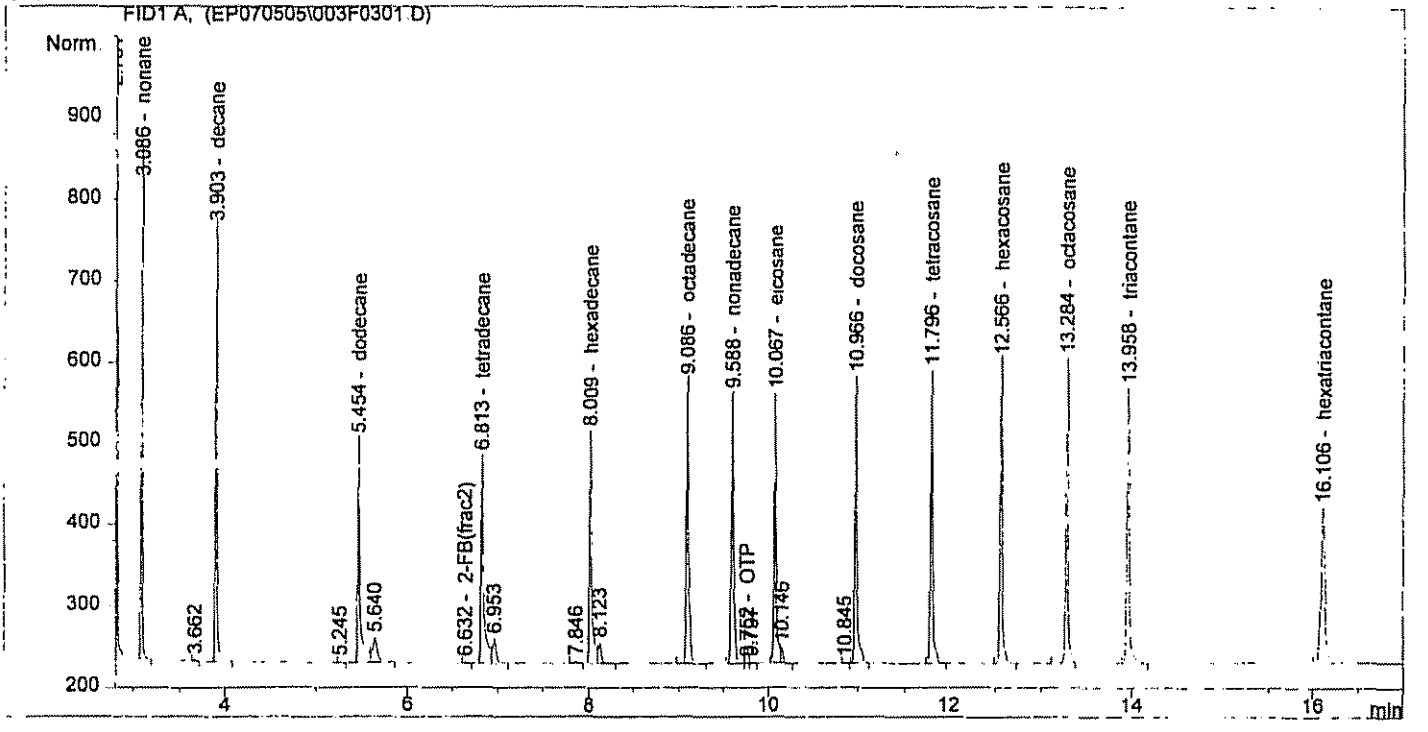
*** End of Report ***

Injection Date	: 7/5/2005 6:10:14 PM	Seq. Line :	3
Sample Name	: K 10 ical	Location :	Vial 3
Acq. Operator	: DCS	Inj :	1
Acq. Instrument	: GC6	Inj Volume :	10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPHTK_F.M		
Last changed	: 7/6/2005 8:19:03 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	7/6/2005 8:17:09 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.086	BV	0.0163	646.96594	0.00080	nonane
2	3.903	PB	0.0191	648.55542	0.00080	decane
3	5.454	BV	0.0259	515.10767	0.00063	dodecane
4	6.632	VP	0.0224	2.64904	3.257e-6	2-FB(frac2)
5	6.813	PV	0.0296	535.56970	0.00066	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	8.009	BV	0.0299	559.39600	0.00069	hexadecane
8	9.086	VB	0.0260	629.22015	0.00077	octadecane
9	9.588	VB	0.0279	622.48523	0.00077	nonadecane
10	9.752	BV	0.0413	3.49163	4.293e-6	OTP
11	10.067	BV	0.0267	587.18970	0.00072	eicosane
12	10.966	BB	0.0257	624.03387	0.00077	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.435		0.0000	0.00000	0.00000	COD
14	11.796	BB	0.0263	627.09064	0.00077	tetracosane
15	12.566	VB	0.0258	634.36932	0.00078	hexacosane
16	13.284	PB	0.0256	630.87390	0.00078	octacosane
17	13.958	VB	0.0298	632.02637	0.00078	triacontane
18	16.106	BV	0.0464	593.95795	0.00073	hexatriacontane

Totals : 8492.98253 1.044e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.540	PV	0.0244	7.71156	9.481e-6	?
2	0.562	VP	0.0113	1.42115	1.747e-6	?
3	0.591	VV	0.0154	23.15101	2.846e-5	?
4	1.820	VV S	0.9937	8.05263e7	99.00074	?
5	1.887	VV S	0.0265	4.48002e4	0.05508	?
6	1.928	VV S	0.0408	6.93738e4	0.08529	?
7	1.973	VV S	0.0381	5.52395e4	0.06791	?
8	2.024	VV S	0.0335	5.17152e4	0.06358	?
9	2.067	VV S	0.0365	5.62647e4	0.06917	?
10	2.118	VV S	0.0376	4.86328e4	0.05979	?
11	2.151	VV S	0.0215	2.98704e4	0.03672	?
12	2.177	VV S	0.0264	3.52801e4	0.04337	?
13	2.228	VV S	0.0458	5.56615e4	0.06843	?
14	2.287	VV S	0.0379	5.22191e4	0.06420	?
15	2.333	VV S	0.0391	4.50187e4	0.05535	?
16	2.381	VV S	0.0585	6.88890e4	0.08469	?
17	2.468	VV S	0.0502	4.48071e4	0.05509	?
18	2.536	VV S	0.0353	4.05112e4	0.04981	?
19	2.597	VV S	0.0481	4.29150e4	0.05276	?
20	2.637	VV S	0.0305	2.27497e4	0.02797	?
21	2.672	VV S	0.0404	1.89249e4	0.02327	?
22	2.735	VV S	0.0465	1.48342e4	0.01824	?
23	2.781	VBAS	0.0237	6243.33594	0.00768	?
24	3.662	VP	0.0195	2.25390	2.771e-6	?
25	5.245	BP	0.0223	2.77696	3.414e-6	?
26	5.640	VB	0.0517	112.54359	0.00014	?
27	6.953	VB	0.0402	87.22015	0.00011	?
28	7.846	VP	0.0237	3.71921	4.572e-6	?
29	8.123	VB	0.0356	65.04246	7.996e-5	?
30	9.797	VP	0.0246	2.36150	2.903e-6	?
31	10.146	VB	0.0269	35.94770	4.419e-5	?
32	10.845	BP	0.0222	2.60568	3.203e-6	?

Uncalib. totals : 8.13306e7 99.9896

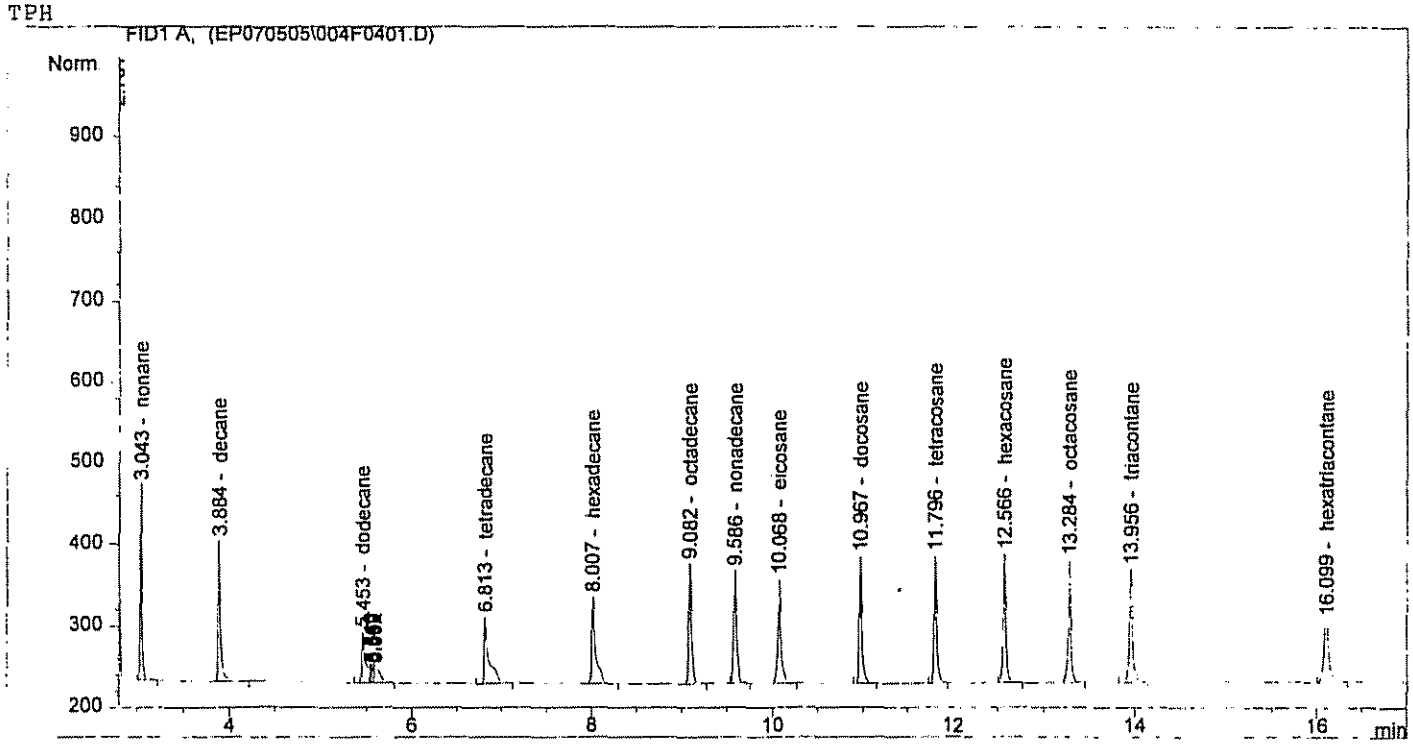
Results obtained with enhanced integrator!
3 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed

*** End of Report ***

Injection Date	: 7/5/2005 6:37:08 PM	Seq. Line :	4
Sample Name	: K 5 ical	Location :	Vial 4
Acq. Operator	: DCS	Inj :	1
Acq. Instrument	: GC6	Inj Volume :	10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPHTK_F.M		
Last changed	: 7/6/2005 8:19:25 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	7/6/2005 8:17:09 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.043	VB	0.0194	314.75198	0.00042	nonane
2	3.884	BB	0.0257	319.18195	0.00043	decane
3	5.453	VV	0.0395	178.06067	0.00024	dodecane
4	6.600		0.0000	0.00000	0.00000	2-FB(frac2)
5	6.813	BB	0.0531	314.94501	0.00042	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	8.007	BB	0.0422	318.62674	0.00043	hexadecane
8	9.082	BB	0.0325	320.91269	0.00043	octadecane
9	9.500		0.0000	0.00000	0.00000	OTP
10	9.586	PB	0.0330	317.79922	0.00043	nonadecane
11	10.068	BB	0.0354	320.89191	0.00043	eicosane
12	10.967	VB	0.0302	321.13647	0.00043	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.435		0.0000	0.00000	0.00000	COD
14	11.796	VB	0.0301	321.12863	0.00043	tetracosane
15	12.566	VB	0.0312	325.14694	0.00044	hexacosane
16	13.284	PB	0.0321	321.30228	0.00043	octacosane
17	13.956	BB	0.0341	320.14969	0.00043	triacontane
18	16.099	BB	0.0561	291.00854	0.00039	hexatriacontane

Totals : 4305.04272 5.802e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.517	PV	0.0191	55.41060	7.468e-5	?
2	0.565	VV	0.0185	28.83533	3.886e-5	?
3	1.713	VV S	0.9089	7.32658e7	98.74944	?
4	1.764	VV S	0.0163	7.29550e5	0.98330	?
5	1.830	VV S	0.0435	1.87256e4	0.02524	?
6	1.878	VV S	0.0284	1.22771e4	0.01655	?
7	1.924	VV S	0.0404	1.41080e4	0.01902	?
8	1.974	VV S	0.0322	1.20777e4	0.01628	?
9	2.013	VV S	0.0466	1.33146e4	0.01795	?
10	2.087	VV S	0.0613	1.79908e4	0.02425	?
11	2.136	VV S	0.0245	7542.58447	0.01017	?
12	2.183	VV S	0.0671	1.54346e4	0.02080	?
13	2.267	VV S	0.0517	1.32190e4	0.01782	?
14	2.316	VV S	0.0334	9018.83691	0.01216	?
15	2.360	VV S	0.0333	8250.15332	0.01112	?
16	2.408	VV S	0.0349	8098.63721	0.01092	?
17	2.453	VV S	0.0346	7506.19678	0.01012	?
18	2.493	VV S	0.0245	5263.53906	0.00709	?
19	2.536	VV S	0.0618	1.09045e4	0.01470	?
20	2.600	VV S	0.0313	7502.49414	0.01011	?
21	2.645	VV S	0.0314	4715.55957	0.00636	?
22	2.684	VV S	0.0381	3582.78540	0.00483	?
23	2.733	VV S	0.0518	3241.38672	0.00437	?
24	2.781	VBAS	0.0167	992.51752	0.00134	?
25	5.543	VV	0.0178	22.70176	3.060e-5	?
26	5.569	VV	0.0207	27.28106	3.677e-5	?
27	5.592	VV	0.0602	83.46490	0.00011	?

Uncalib. totals : 7.41894e7 99.9942

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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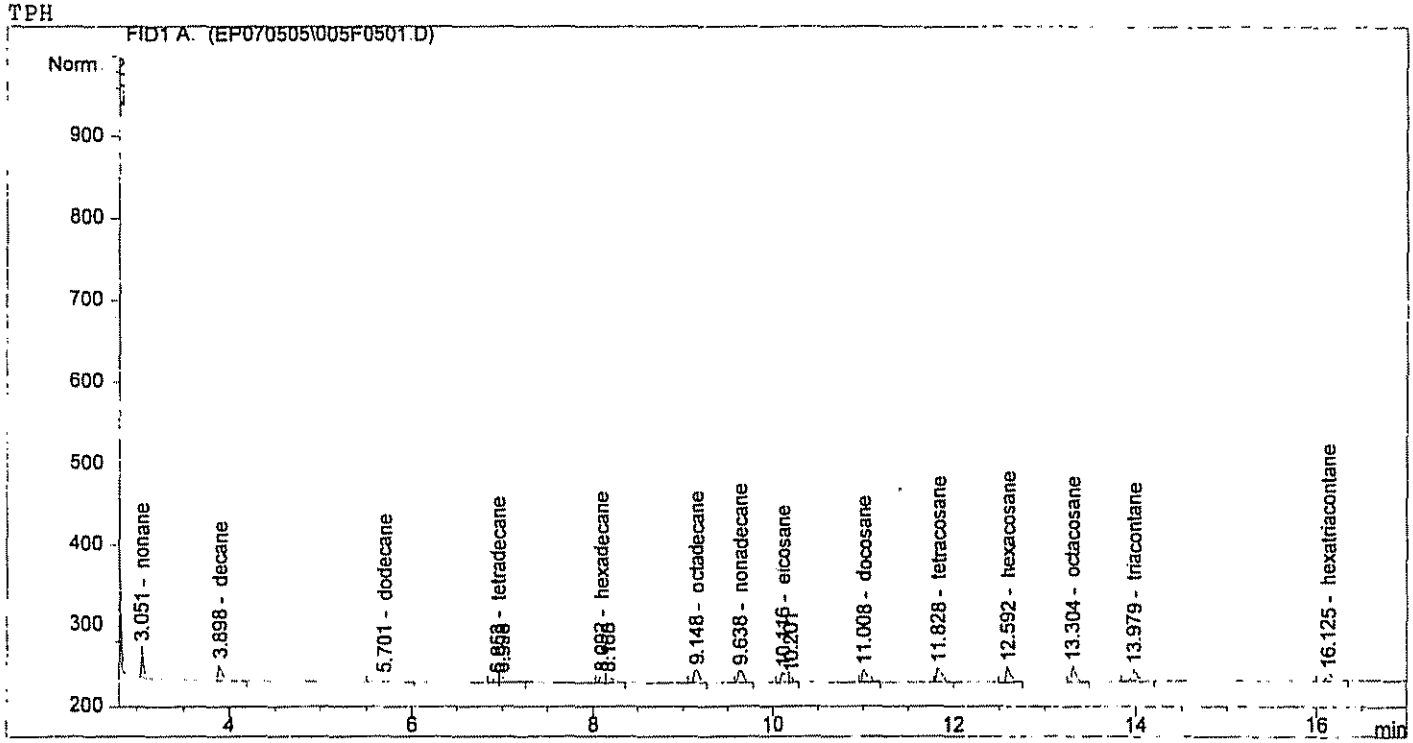
*** End of Report ***

Injection Date	: 7/5/2005 7:03:13 PM	Seq. Line :	5
Sample Name	: K 1 ical	Location :	Vial 5
Acq. Operator	: DCS	Inj :	1
Acq. Instrument	: GC6	Inj Volume :	10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPHTK_F.M		
Last changed	: 7/6/2005 8:19:54 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	7/6/2005 8:17:09 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.051	BP	0.0241	63.57945	8.542e-5	nonane
2	3.898	BP	0.0457	69.52576	9.341e-5	decane
3	5.701	PV	0.1867	58.11040	7.807e-5	dodecane
4	6.600		0.0000	0.00000	0.00000	2-FB(frac2)
5	6.953	PV	0.0485	18.31736	2.461e-5	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	8.092	PV	0.0599	30.26579	4.066e-5	hexadecane
8	9.148	PV	0.0596	62.13025	8.347e-5	octadecane
9	9.500		0.0000	0.00000	0.00000	OTP
10	9.638	BV	0.0588	62.69368	8.423e-5	nonadecane
11	10.116	VV	0.0553	47.14569	6.334e-5	eicosane
12	11.008	BB	0.0600	64.16410	8.621e-5	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.435		0.0000	0.00000	0.00000	COD
14	11.828	PB	0.0525	64.03179	8.603e-5	tetracosane
15	12.592	VB	0.0482	65.47491	8.797e-5	hexacosane
16	13.304	BB	0.0443	64.38484	8.650e-5	octacosane
17	13.979	VB	0.0519	63.16903	8.487e-5	triacontane
18	16.125	BB	0.0709	49.00692	6.584e-5	hexatriacontane

Totals : 781.99997 1.051e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.521	PV	0.0155	64.20905	8.627e-5	?
2	0.585	VV	0.0276	69.71010	9.366e-5	?
3	0.712	VV S	0.0486	1.41617e6	1.90265	?
4	1.750	VV S	0.8897	7.21088e7	96.87967	?
5	1.777	VV S	0.0153	7.12026e5	0.95662	?
6	1.843	PV T	0.0740	3.29682e4	0.04429	?
7	1.885	VV S	0.0408	1.41671e4	0.01903	?
8	1.934	VV S	0.1521	3.89642e4	0.05235	?
9	2.115	VV S	0.0395	1.23934e4	0.01665	?
10	2.170	VV S	0.0314	8898.58203	0.01196	?
11	2.199	VV S	0.0246	5647.13525	0.00759	?
12	2.238	VV S	0.0367	9367.01953	0.01258	?
13	2.289	VV S	0.0425	9846.37305	0.01323	?
14	2.350	VV S	0.0463	9718.13770	0.01306	?
15	2.407	VV S	0.0417	1.00959e4	0.01356	?
16	2.447	VV S	0.0309	5712.63965	0.00768	?
17	2.486	VV S	0.0376	6904.68115	0.00928	?
18	2.527	VV S	0.0702	1.12526e4	0.01512	?
19	2.613	VV S	0.0618	1.00827e4	0.01355	?
20	2.685	VV S	0.0287	2776.07471	0.00373	?
21	2.723	VV S	0.0341	2505.02124	0.00337	?
22	2.775	VBAS	0.0323	2004.13550	0.00269	?
23	6.998	VB	0.0995	41.64529	5.595e-5	?
24	8.168	VB	0.0670	31.63436	4.250e-5	?
25	10.201	VB	0.0450	14.71698	1.977e-5	?

Uncalib. totals : 7.44306e7 99.9989

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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*** End of Report ***

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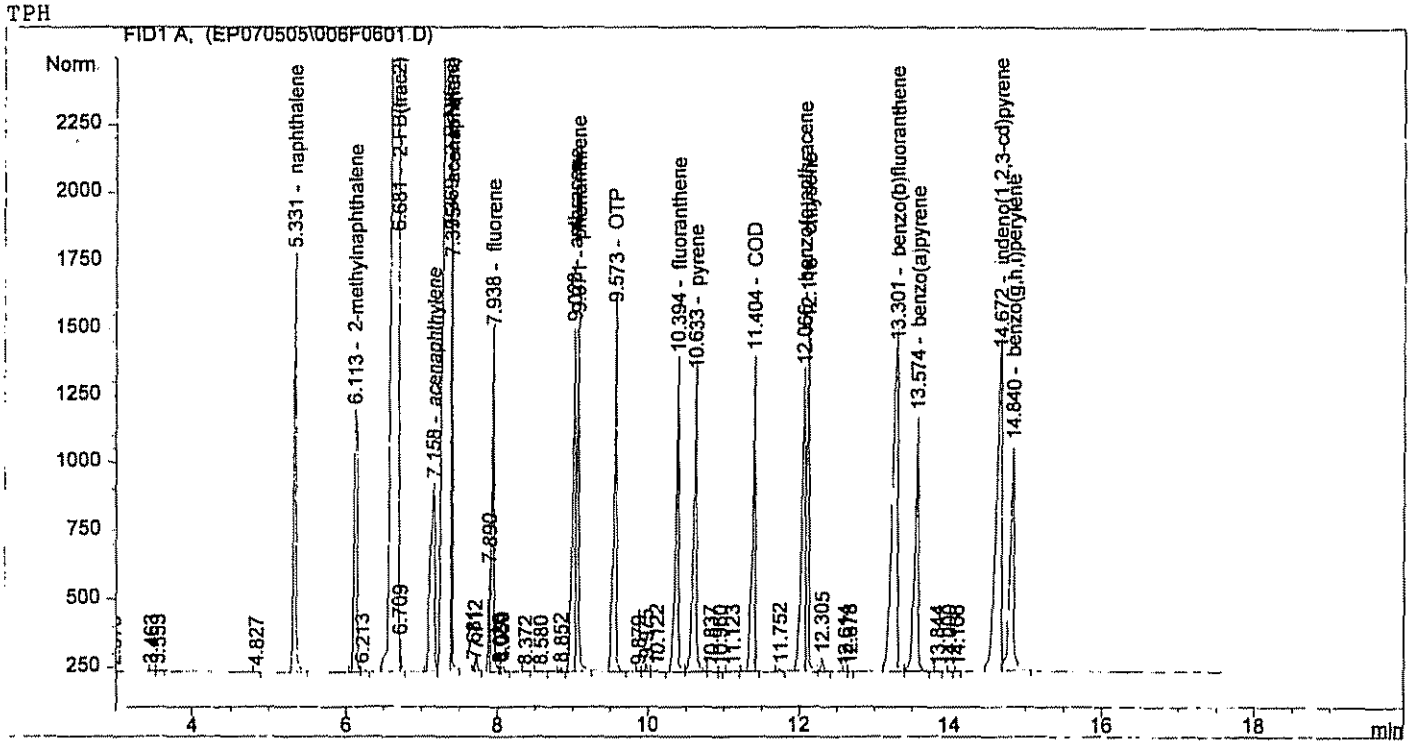
==========================================================================
Injection Date  : 7/5/2005 7:30:00 PM          Seq. Line :   6
Sample Name     : R 40 ical                     Location : Vial 6
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPH-R_F.M
Last changed    : 7/6/2005 8:22:50 AM by DCS
                  (modified after loading)
```

TPH

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==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/6/2005 8:23:05 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,

Peak RetTime  Type   Width     Area      Area    Name
  #   [min]          [min]   [pA*s]       %
----|-------|------|-------|----------|--------|--------------------
   1    5.331 PB     0.0293 3077.10938  0.00430 naphthalene
   2    6.113 PV     0.0442 2919.46924  0.00408 2-methylnaphthalene
   3    6.681 BV     0.0555 3.39225e4   0.04735 2-FB(frac2)
   4    7.158 PV     0.0555 2908.37695  0.00406 acenaphthylene
   5    7.369 VV     0.0643 2.40343e4   0.03355 2-BrN(frac)
   6    7.395 VB     0.0154 2159.06787  0.00301 acenaphthene
   7    7.938 VV     0.0276 2337.66382  0.00326 fluorene
   8    9.020 BV     0.0336 3231.57983  0.00451 anthracene
   9    9.071 VB     0.0259 2557.39355  0.00357 phenanthrene
  10    9.573 BB     0.0330 3222.72534  0.00450 OTP
  11   10.394 BV     0.0357 2949.98340  0.00412 fluoranthene
  12   10.633 VB     0.0382 3117.37500  0.00435 pyrene
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.404	BB	0.0364	2832.86084	0.00395	COD
14	12.066	BV	0.0407	3498.13501	0.00488	benzo(a)anthracene
15	12.118	VV	0.0253	2452.23462	0.00342	chrysene
16	13.301	BV	0.0695	6132.74707	0.00856	benzo(b)fluoranthene
17	13.349		0.0000	0.00000	0.00000	benzo(k)fluoranthene
18	13.574	VB	0.0446	2957.06860	0.00413	benzo(a)pyrene
19	14.607		0.0000	0.00000	0.00000	dibenzo(a,h)anthracene
20	14.672	BV	0.0646	5866.15234	0.00819	indeno(1,2,3-cd)pyrene
21	14.840	VB	0.0479	3050.68335	0.00426	benzo(g,h,i)perylene

Totals : 1.13227e5 0.1581

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.573	BP S	0.0122	7586.06055	0.01059	?
2	0.653	VV S	0.0451	6.58377e5	0.91907	?
3	1.724	VV S	0.8725	7.07102e7	98.70834	?
4	1.801	VV S	0.0388	1.48257e4	0.02070	?
5	1.864	VV S	0.0489	1.48582e4	0.02074	?
6	1.915	VV S	0.0265	8182.16309	0.01142	?
7	1.950	VV S	0.0247	6569.26807	0.00917	?
8	1.977	VV S	0.0245	5267.52979	0.00735	?
9	2.006	VV S	0.0348	8034.66211	0.01122	?
10	2.059	VV S	0.0422	9352.93457	0.01306	?
11	2.107	VV S	0.0426	9707.95801	0.01355	?
12	2.159	VV S	0.0387	8381.02832	0.01170	?
13	2.207	VV S	0.0522	1.08873e4	0.01520	?
14	2.299	VV S	0.0752	1.13269e4	0.01581	?
15	2.378	VV S	0.0389	6377.16797	0.00890	?
16	2.418	VV S	0.0326	5568.22656	0.00777	?
17	2.465	VV S	0.0356	5317.47607	0.00742	?
18	2.522	VV S	0.0424	6129.83447	0.00856	?
19	2.571	VV S	0.0428	5401.29785	0.00754	?
20	2.623	VV S	0.0339	4015.69678	0.00561	?
21	2.653	VV S	0.0291	2476.95386	0.00346	?
22	2.696	VV S	0.0250	1451.90259	0.00203	?
23	2.749	VB S	0.0222	693.39868	0.00097	?
24	2.975	PP	0.0232	2.07011	2.890e-6	?
25	3.463	BB	0.0306	14.04676	1.961e-5	?
26	3.553	BB	0.0470	14.24751	1.989e-5	?
27	4.827	PB	0.0340	3.28712	4.589e-6	?
28	6.213	VB	0.0516	42.02866	5.867e-5	?
29	6.709	VB	0.0158	117.18262	0.00016	?
30	7.681	PV	0.0203	26.89666	3.755e-5	?
31	7.712	VB	0.0227	87.80135	0.00012	?
32	7.890	BV	0.0230	547.56219	0.00076	?
33	8.026	VV	0.0199	16.41841	2.292e-5	?
34	8.059	VB	0.0434	57.65916	8.049e-5	?
35	8.372	BB	0.0308	7.16673	1.000e-5	?
36	8.580	PP	0.0394	9.82675	1.372e-5	?
37	8.852	BP	0.0316	31.30010	4.369e-5	?
38	9.879	BV	0.0241	6.10458	8.522e-6	?
39	9.975	VV	0.0312	56.82285	7.932e-5	?
40	10.122	VP	0.0467	15.90412	2.220e-5	?
41	10.837	BB	0.0691	19.98311	2.790e-5	?
42	10.960	BB	0.0229	4.29571	5.997e-6	?
43	11.123	BB	0.0481	14.04146	1.960e-5	?
44	11.752	BP	0.0313	20.70277	2.890e-5	?
45	12.305	VB	0.0365	131.56999	0.00018	?
46	12.614	PV	0.0273	3.90746	5.455e-6	?
47	12.678	VB	0.0265	8.30177	1.159e-5	?
48	13.844	PP	0.0277	3.11171	4.344e-6	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
49	14.000	PP	0.0257	5.20895	7.271e-6	?
50	14.106	BP	0.0260	3.34295	4.667e-6	?

Uncalib. totals : 7.15223e7 99.8419

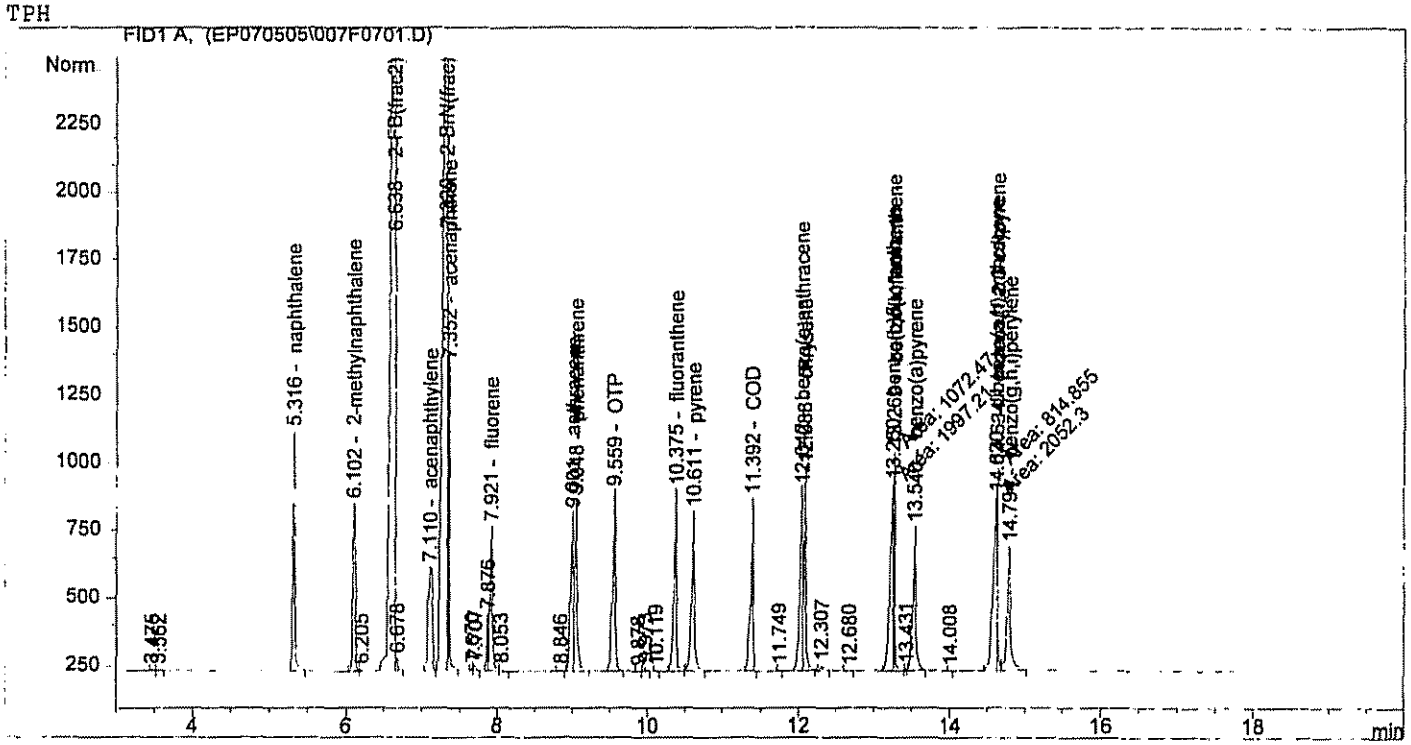
Results obtained with enhanced integrator!
3 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed

*** End of Report ***

```
==========================================================================
Injection Date  : 7/5/2005 7:57:34 PM          Seq. Line :   7
Sample Name     : R 20 ical                     Location : Vial 7
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPH-R_F.M
Last changed    : 7/6/2005 8:24:52 AM by DCS
                  (modified after loading)
```

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/6/2005 8:24:52 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,

Peak RetTime  Type   Width     Area      Area    Name
  #   [min]          [min]    [pA*s]      %
----|-------|------|-------|----------|--------|----------------------
   1    5.316 BB     0.0266 1560.88293  0.00203 naphthalene
   2    6.102 BV     0.0401 1488.68005  0.00194 2-methylnaphthalene
   3    6.638 BV     0.0461 1.69993e4   0.02215 2-FB(frac2)
   4    7.110 PV     0.0495 1483.72766  0.00193 acenaphthylene
   5    7.320 VV     0.0471 1.18874e4   0.01549 2-BrN(frac)
   6    7.352 VB     0.0179 1344.53394  0.00175 acenaphthene
   7    7.921 VV     0.0328 1174.09924  0.00153 fluorene
   8    9.001 BV     0.0356 1523.33997  0.00199 anthracene
   9    9.048 VB     0.0308 1401.40002  0.00183 phenanthrene
  10    9.559 BB     0.0348 1633.10645  0.00213 OTP
  11   10.375 BB     0.0329 1480.49524  0.00193 fluoranthene
  12   10.611 BB     0.0348 1549.50317  0.00202 pyrene
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.392	BB	0.0313	1423.13940	0.00185	COD
14	12.042	BV	0.0356	1639.31689	0.00214	benzo(a)anthracene
15	12.088	VB	0.0261	1352.98071	0.00176	chrysene
16	13.250	MF	0.0484	1997.20630	0.00260	benzo(b)fluoranthene
17	13.269	FM	0.0221	1072.47473	0.00140	benzo(k)fluoranthene
18	13.540	VB	0.0372	1456.48926	0.00190	benzo(a)pyrene
19	14.620	MF	0.0536	2052.29810	0.00267	dibenzo(a,h)anthracene
20	14.634	FM	0.0181	814.85461	0.00106	indeno(1,2,3-cd)pyrene
21	14.794	VB	0.0437	1551.06067	0.00202	benzo(g,h,i)perylene

Totals : 5.68863e4 7.413e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.602	BV S	0.0129	8.49849e4	0.11075	?
2	0.705	VV S	0.0440	1.37523e6	1.79211	?
3	1.742	VV S	0.6541	7.50294e7	97.77352	?
4	1.908	VV S	0.0673	3.74246e4	0.04877	?
5	1.952	VV S	0.0396	1.21283e4	0.01580	?
6	1.991	VV S	0.0302	1.07727e4	0.01404	?
7	2.034	VV S	0.0422	1.35335e4	0.01764	?
8	2.141	VV S	0.0741	2.04535e4	0.02665	?
9	2.182	VV S	0.0267	8688.21094	0.01132	?
10	2.244	VV S	0.0500	1.36782e4	0.01782	?
11	2.286	VV S	0.0402	9538.84961	0.01243	?
12	2.339	VV S	0.0380	9001.33887	0.01173	?
13	2.385	VV S	0.0318	7613.07666	0.00992	?
14	2.426	VV S	0.0291	6637.50195	0.00865	?
15	2.460	VV S	0.0457	8927.53320	0.01163	?
16	2.518	VV S	0.0398	7637.46240	0.00995	?
17	2.580	VV S	0.0647	1.09379e4	0.01425	?
18	2.637	VV S	0.0596	1.08081e4	0.01408	?
19	2.749	VV S	0.0288	1986.04175	0.00259	?
20	2.779	VB S	0.0183	975.51318	0.00127	?
21	2.814	BB X	0.0116	47.10050	6.138e-5	?
22	3.475	PB	0.0277	12.00442	1.564e-5	?
23	3.562	BB	0.0356	8.19074	1.067e-5	?
24	6.205	VB	0.0407	21.58257	2.813e-5	?
25	6.678	VB	0.0297	92.83358	0.00012	?
26	7.670	PV	0.0219	16.38607	2.135e-5	?
27	7.707	VB	0.0279	40.37153	5.261e-5	?
28	7.876	BV	0.0219	302.78958	0.00039	?
29	8.053	VB	0.0449	30.28831	3.947e-5	?
30	8.846	BP	0.0302	15.07834	1.965e-5	?
31	9.878	PB	0.0225	1.79715	2.342e-6	?
32	9.973	BP	0.0272	22.23527	2.898e-5	?
33	10.119	BB	0.0235	2.33401	3.042e-6	?
34	11.749	BB	0.0271	10.53847	1.373e-5	?
35	12.307	BB	0.0479	69.49090	9.056e-5	?
36	12.680	BP	0.0368	5.62944	7.336e-6	?
37	13.431	BV	0.0221	12.97947	1.691e-5	?
38	14.008	PP	0.0226	2.48874	3.243e-6	?

Uncalib. totals : 7.66810e7 99.9259

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

==========

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==========================================================================
Injection Date  : 7/5/2005 8:24:17 PM          Seq. Line :   8
Sample Name     : R 10 ical                     Location : Vial 8
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPH-R_F.M
Last changed    : 7/6/2005 8:25:57 AM by DCS
                  (modified after loading)
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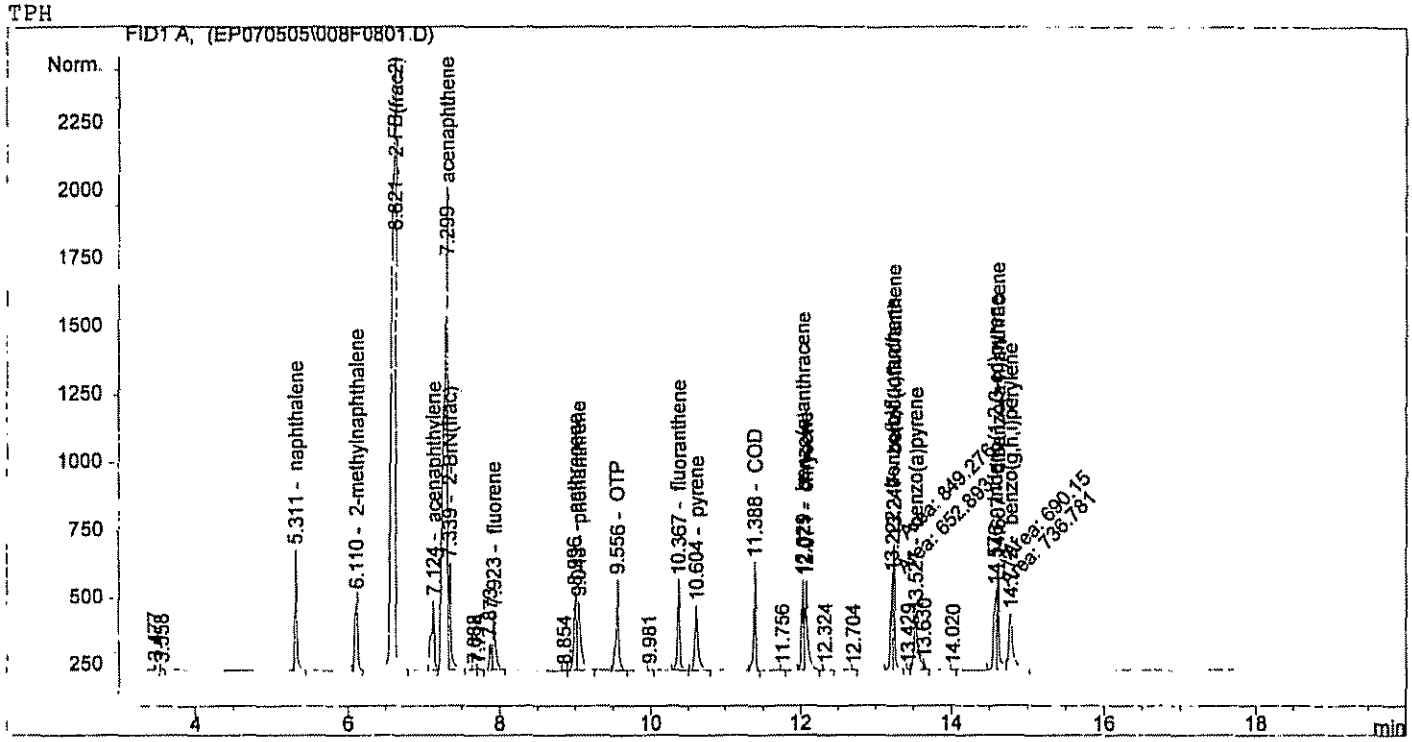
TPH

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==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/6/2005 8:25:40 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,

Peak RetTime  Type   Width     Area      Area    Name
  #   [min]          [min]    [pA*s]      %
----|-------|------|-------|----------|--------|----------------------
   1   5.311 BB     0.0257  759.28735  0.00094 naphthalene
   2   6.110 PB     0.0345  717.77917  0.00089 2-methylnaphthalene
   3   6.621 PB     0.0436 8296.57129  0.01032 2-FB(frac2)
   4   7.124 PV     0.0375  721.87189  0.00090 acenaphthylene
   5   7.299 VV     0.0454 5749.29248  0.00715 acenaphthene
   6   7.339 VB     0.0256  734.45514  0.00091 2-BrN(frac)
   7   7.923 VB     0.0325  511.53058  0.00064 fluorene
   8   8.996 VV     0.0340  684.11963  0.00085 anthracene
   9   9.043 VB     0.0414  753.16272  0.00094 phenanthrene
  10   9.556 BB     0.0336  802.95880  0.00100 OTP
  11  10.367 BB     0.0320  724.76520  0.00090 fluoranthene
  12  10.604 BB     0.0444  772.86615  0.00096 pyrene
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.388	BB	0.0264	707.93549	0.00088	COD
14	12.029	BV	0.0299	655.07660	0.00081	benzo(a)anthracene
15	12.071	VB	0.0364	831.57806	0.00103	chrysene
16	13.222	MF	0.0315	652.89319	0.00081	benzo(b)fluoranthene
17	13.247	FM	0.0300	849.27576	0.00106	benzo(k)fluoranthene
18	13.527	VV	0.0462	669.95624	0.00083	benzo(a)pyrene
19	14.576	MF	0.0414	736.78082	0.00092	indeno(1,2,3-cd)pyrene
20	14.607	FM	0.0289	690.14990	0.00086	dibenzo(a,h)anthracene
21	14.772	VB	0.0545	785.48206	0.00098	benzo(g,h,i)perylene

Totals : 2.78078e4 3.459e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.566	PV S	0.0132	747.37988	0.00093	?
2	0.675	VV S	0.0292	3.96008e5	0.49263	?
3	1.820	VV S	0.9774	7.97979e7	99.26709	?
4	1.959	VV S	0.1138	3.89370e4	0.04844	?
5	2.068	VV S	0.0817	2.05034e4	0.02551	?
6	2.115	VV S	0.0531	1.24003e4	0.01543	?
7	2.185	VV S	0.0484	1.44270e4	0.01795	?
8	2.248	VV S	0.0385	8142.15771	0.01013	?
9	2.280	VV S	0.0282	6517.15088	0.00811	?
10	2.326	VV S	0.0314	7340.53955	0.00913	?
11	2.363	VV S	0.0372	6874.45264	0.00855	?
12	2.403	VV S	0.0357	7568.43799	0.00941	?
13	2.455	VV S	0.0411	8658.30078	0.01077	?
14	2.509	VV S	0.0340	7557.59131	0.00940	?
15	2.554	VV S	0.0299	5949.49072	0.00740	?
16	2.599	VV S	0.0469	8102.41602	0.01008	?
17	2.648	VV S	0.0348	3804.99854	0.00473	?
18	2.687	VV S	0.0280	2789.33472	0.00347	?
19	2.729	VV S	0.0309	2428.41943	0.00302	?
20	2.771	VB S	0.0301	2264.80884	0.00282	?
21	3.477	PB	0.0202	19.81381	2.465e-5	?
22	3.558	BB	0.0239	9.88446	1.230e-5	?
23	7.668	PV	0.0260	8.62177	1.073e-5	?
24	7.714	VB	0.0278	16.83376	2.094e-5	?
25	7.873	BV	0.0263	188.52881	0.00023	?
26	8.854	BP	0.0237	5.95888	7.413e-6	?
27	9.981	PP	0.0292	10.25769	1.276e-5	?
28	11.756	BB	0.0211	4.92660	6.129e-6	?
29	12.324	BP	0.0578	26.56639	3.305e-5	?
30	12.704	PB	0.0218	1.88195	2.341e-6	?
31	13.429	PV	0.0176	1.88680	2.347e-6	?
32	13.630	VB	0.0254	38.84804	4.833e-5	?
33	14.020	PB	0.0234	1.75642	2.185e-6	?

Uncalib. totals : 8.03592e7 99.9654

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

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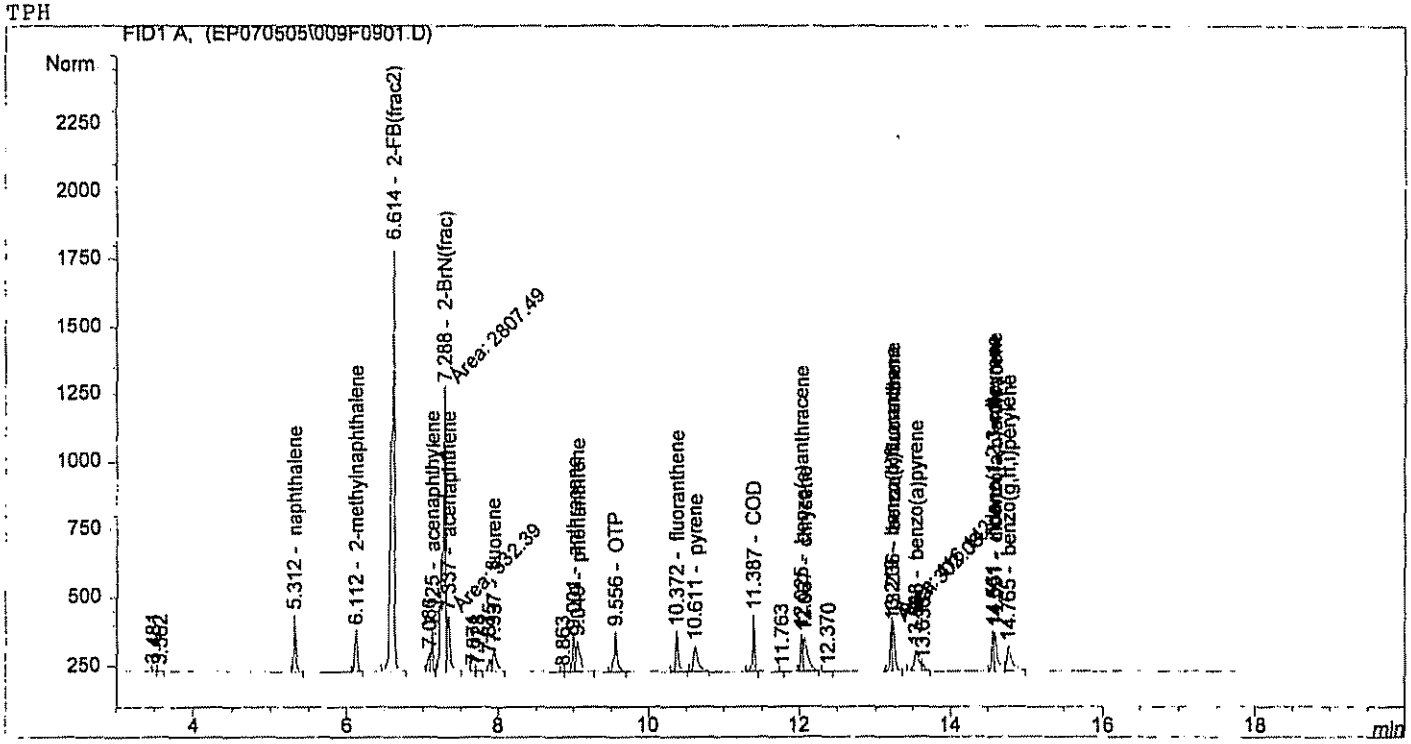
*** End of Report ***

Injection Date	: 7/5/2005 8:52:10 PM	Seq. Line :	9
Sample Name	: R 5 ical	Location :	Vial 9
Acq. Operator	: DCS	Inj :	1
Acq. Instrument	: GC6	Inj Volume :	10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPH-R_F.M		
Last changed	: 7/6/2005 8:27:20 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	7/6/2005 8:27:44 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	5.312	BB	0.0275	381.19046	0.00046	naphthalene
2	6.112	PB	0.0344	365.53854	0.00045	2-methylnaphthalene
3	6.614	BB	0.0357	4271.07813	0.00520	2-FB(frac2)
4	7.125	VV	0.0234	228.60712	0.00028	acenaphthylene
5	7.288	MF	0.0448	2807.48755	0.00342	2-BrN(frac)
6	7.337	FM	0.0444	532.38989	0.00065	acenaphthene
7	7.937	VB	0.0445	266.79672	0.00033	fluorene
8	9.001	VV	0.0320	293.35999	0.00036	anthracene
9	9.049	VB	0.0533	435.87302	0.00053	phenanthrene
10	9.556	BB	0.0387	407.76004	0.00050	OTP
11	10.372	BB	0.0379	362.46796	0.00044	fluoranthene
12	10.611	BB	0.0614	391.06754	0.00048	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.387	BB	0.0265	359.22467	0.00044	COD
14	12.025	BV	0.0293	256.21942	0.00031	benzo(a)anthracene
15	12.067	VB	0.0519	490.22177	0.00060	chrysene
16	13.219	MF	0.0308	302.08035	0.00037	benzo(b)fluoranthene
17	13.236	FM	0.0383	416.14188	0.00051	benzo(k)fluoranthene
18	13.538	PV	0.0561	302.04449	0.00037	benzo(a)pyrene
19	14.561	BV	0.0301	289.19754	0.00035	indeno(1,2,3-cd)pyrene
20	14.591	VV	0.0378	380.25415	0.00046	dibenzo(a,h)anthracene
21	14.765	VB	0.0616	407.44254	0.00050	benzo(g,h,i)perylene

Totals : 1.39464e4 1.699e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.563	PV S	0.0140	759.74811	0.00093	?
2	0.683	VV S	0.0272	4.71086e5	0.57401	?
3	1.835	VV S	0.9971	8.14189e7	99.20795	?
4	1.950	PV T	0.0638	2.90373e4	0.03538	?
5	1.997	VV S	0.0228	8289.62305	0.01010	?
6	2.048	VV S	0.0489	1.32992e4	0.01620	?
7	2.093	VV S	0.0313	8470.81152	0.01032	?
8	2.137	VV S	0.0370	1.00365e4	0.01223	?
9	2.165	VV S	0.0329	7709.98682	0.00939	?
10	2.210	VV S	0.0343	7856.13281	0.00957	?
11	2.246	VV S	0.0270	5997.93506	0.00731	?
12	2.275	VV S	0.0240	5644.15088	0.00688	?
13	2.309	VV S	0.0357	8035.14502	0.00979	?
14	2.364	VV S	0.0360	7999.90137	0.00975	?
15	2.403	VV S	0.0385	8932.79004	0.01088	?
16	2.462	VV S	0.0381	7766.06934	0.00946	?
17	2.501	VV S	0.0397	7978.09717	0.00972	?
18	2.562	VV S	0.0350	7006.06787	0.00854	?
19	2.600	VV S	0.0308	6012.04736	0.00733	?
20	2.636	VV S	0.0245	4077.92383	0.00497	?
21	2.664	VV S	0.0264	2937.18262	0.00358	?
22	2.696	VV S	0.0469	4386.25098	0.00534	?
23	2.771	VB S	0.0397	2436.74902	0.00297	?
24	3.481	PB	0.0212	10.43116	1.271e-5	?
25	3.562	BP	0.0298	5.43903	6.627e-6	?
26	7.086	PV	0.0332	139.99332	0.00017	?
27	7.671	PV	0.0321	4.02950	4.910e-6	?
28	7.728	VP	0.0332	6.47859	7.894e-6	?
29	7.875	BV	0.0295	89.97723	0.00011	?
30	8.863	PV	0.0219	2.26688	2.762e-6	?
31	11.763	BB	0.0205	2.35931	2.875e-6	?
32	12.370	PP	0.0405	12.58713	1.534e-5	?
33	13.630	VB	0.0330	48.26193	5.881e-5	?

Uncalib. totals : 8.20550e7 99.9830

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

==========

*** End of Report ***

```
==================================================================
Injection Date  : 7/5/2005 9:19:15 PM          Seq. Line :  10
Sample Name     : R 1 ical                      Location : Vial 10
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPH-R_F.M
Last changed    : 7/6/2005 8:27:20 AM by DCS
                  (modified after loading)
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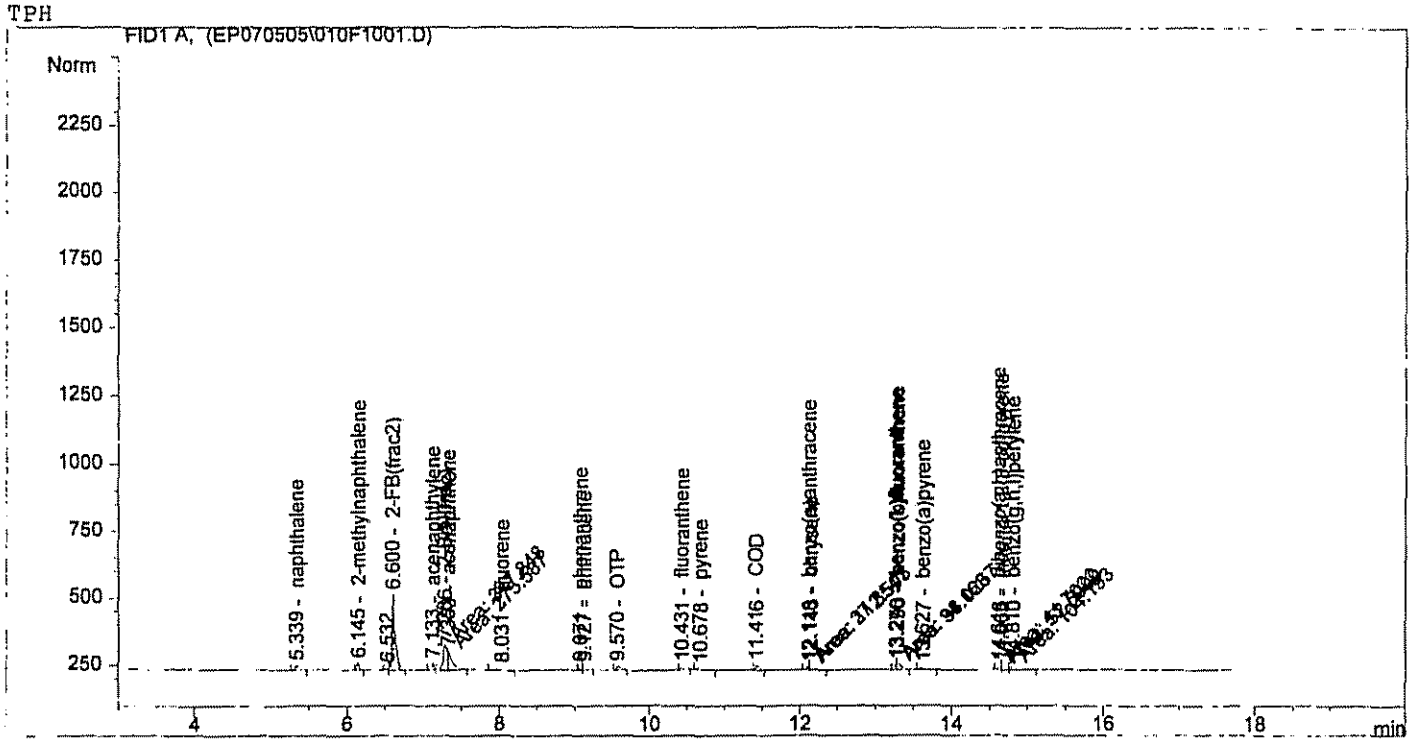
TPH




```
==================================================================
                        Area Percent Report
==================================================================
```

Sorted By : Signal
Calib. Data Modified : 7/6/2005 8:27:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	5.339	BB	0.0512	64.31669	7.634e-5	naphthalene
2	6.145	BB	0.0378	64.35564	7.638e-5	2-methylnaphthalene
3	6.600	VB	0.0394	807.25494	0.00096	2-FB(frac2)
4	7.133	BV	0.0339	58.26943	6.916e-5	acenaphthylene
5	7.286	MF	0.0601	347.84760	0.00041	2-BrN(frac)
6	7.333	FM	0.0694	275.58743	0.00033	acenaphthene
7	8.031	BB	0.1123	62.26244	7.390e-5	fluorene
8	9.071	PV	0.0353	30.46159	3.615e-5	phenanthrene
9	9.127	VB	0.0686	61.32705	7.279e-5	anthracene
10	9.570	PB	0.0630	60.99045	7.239e-5	OTP
11	10.431	PB	0.0520	47.63327	5.654e-5	fluoranthene
12	10.678	PB	0.0873	55.33611	6.568e-5	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.416	PB	0.0518	62.48400	7.416e-5	COD
14	12.118	MF	0.0344	27.85410	3.306e-5	benzo(a)anthracene
15	12.143	FM	0.1057	112.50302	0.00013	chrysene
16	13.276	MF	0.0271	34.16298	4.055e-5	benzo(k)fluoranthene
17	13.290	FM	0.0687	98.02668	0.00012	benzo(b)fluoranthene
18	13.627	BP	0.0798	59.56261	7.069e-5	benzo(a)pyrene
19	14.618	MF	0.0534	41.70220	4.950e-5	dibenzo(a,h)anthracene
20	14.663	MF	0.0767	52.59986	6.243e-5	indeno(1,2,3-cd)pyrene
21	14.810	FM	0.1217	104.19251	0.00012	benzo(g,h,i)perylene

Totals : 2528.73061 3.001e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.586	BV S	0.0143	4333.71777	0.00514	?
2	1.839	VP S	1.0271	8.40868e7	99.80158	?
3	2.008	VV S	0.0761	3.65618e4	0.04339	?
4	2.059	VV S	0.0345	1.20447e4	0.01430	?
5	2.112	VV S	0.0375	1.27805e4	0.01517	?
6	2.156	VV S	0.0405	1.08336e4	0.01286	?
7	2.224	VV S	0.0529	1.29609e4	0.01538	?
8	2.281	VV S	0.0449	1.06941e4	0.01269	?
9	2.351	VV S	0.0485	1.21059e4	0.01437	?
10	2.403	VV S	0.0348	8085.68506	0.00960	?
11	2.452	VV S	0.0350	7751.59668	0.00920	?
12	2.492	VV S	0.0360	6734.70947	0.00799	?
13	2.553	VV S	0.0550	1.09048e4	0.01294	?
14	2.609	VV S	0.0359	6701.88184	0.00795	?
15	2.653	VV S	0.0348	4843.07471	0.00575	?
16	2.701	VV S	0.0276	2745.96802	0.00326	?
17	2.731	VV S	0.0322	2425.09570	0.00288	?
18	2.781	VB S	0.0288	2030.10254	0.00241	?
19	2.817	BB T	0.0179	88.50211	0.00011	?
20	6.532	PV	0.0308	19.19580	2.278e-5	?

Uncalib. totals : 8.42515e7 99.9970

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

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*** End of Report ***

EPH CVS Raw Data

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 07/05/05

Calibration Ranges and Limits

Range	MDL (2/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_9-C_{18} Aliphatics	3.84	12.2	100	10
C_{19}-C_{36} Aliphatics	0.57	1.8	100	10
C_{11}-C_{22} Aromatics	4.54	14.4	100	10

Calibration Concentration Levels

Range	Levels (µg/mL)	%RSD or CCC	Method of Quantitation
C_9-C_{18} Aliphatics	6	16.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	9.4	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	16.4	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 07/08/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	18.2
C_{19}-C_{36} Aliphatics	160	13.0
C_{11}-C_{22} Aromatics	340	-5.2

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

```
==================================================================
Injection Date  : 7/8/2005 8:53:10 AM          Seq. Line :   1
Sample Name     : K 20 ccal                     Location : Vial 1
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 7/8/2005 2:26:24 PM by DCS
                  (modified after loading)
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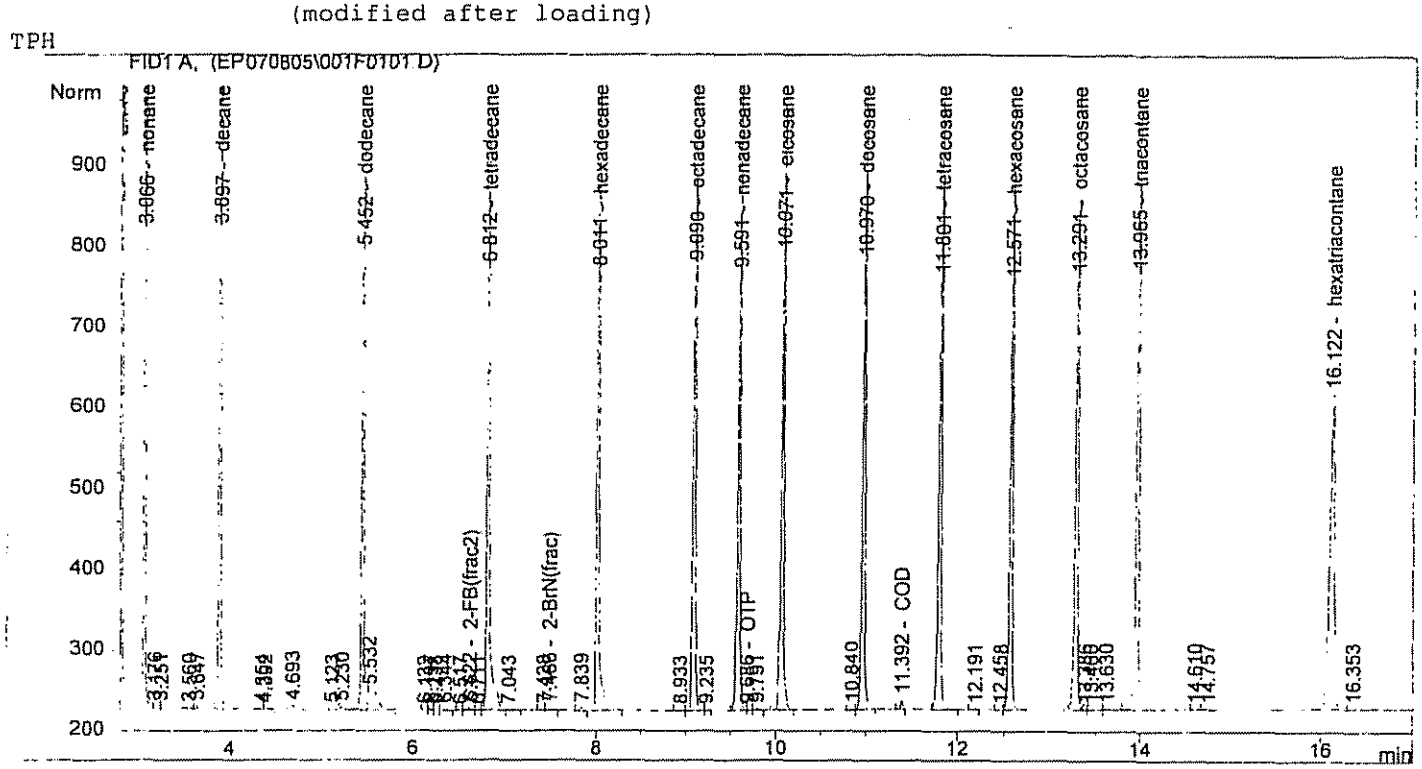
TPH




```
==================================================================
                      Area Percent Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/8/2005 2:25:50 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,

Peak RetTime  Type   Width     Area      Area    Name
  #   [min]          [min]    [pA*s]      %
----|-------|------|-------|----------|--------|--------------------
   1   3.066 VV     0.0169 1319.76624  0.00175 nonane
   2   3.897 VB     0.0179 1383.24524  0.00184 decane
   3   5.452 VV     0.0223 1175.50598  0.00156 dodecane
   4   6.622 VP     0.0260    7.76854 1.032e-5 2-FB(frac2)
   5   6.812 VV     0.0273 1331.48303  0.00177 tetradecane
   6   7.486 VB     0.0413   11.95660 1.588e-5 2-BrN(frac)
   7   8.011 PB     0.0263 1332.80408  0.00177 hexadecane
   8   9.090 VV     0.0249 1327.90027  0.00176 octadecane
   9   9.591 VV     0.0253 1340.86804  0.00178 nonadecane
  10   9.686 VV     0.0372    5.17154 6.870e-6 OTP
  11  10.071 BB     0.0266 1323.79834  0.00176 eicosane
  12  10.970 VB     0.0268 1326.19739  0.00176 docosane
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.392	VV	0.0257	21.44013	2.848e-5	COD
14	11.801	VB	0.0267	1336.54602	0.00178	tetracosane
15	12.571	VB	0.0259	1348.91016	0.00179	hexacosane
16	13.291	VV	0.0256	1355.46082	0.00180	octacosane
17	13.965	BB	0.0265	1364.37073	0.00181	triacontane
18	16.122	VV	0.0488	1335.48499	0.00177	hexatriacontane

Totals : 1.86487e4 2.477e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.525	PP	0.0217	1.69009	2.245e-6	?
2	1.704	VV S	0.9189	7.24097e7	96.18398	?
3	1.767	VV S	0.0189	8.89279e5	1.18126	?
4	1.823	VV S	0.0314	1.25581e5	0.16681	?
5	1.871	VV S	0.0400	1.31832e5	0.17512	?
6	1.907	VV S	0.0271	1.06297e5	0.14120	?
7	1.959	VV S	0.0545	1.72703e5	0.22941	?
8	2.024	VV S	0.0438	1.35777e5	0.18036	?
9	2.066	VV S	0.0324	1.08776e5	0.14449	?
10	2.108	VV S	0.0235	7.82295e4	0.10391	?
11	2.144	VV S	0.0336	8.68517e4	0.11537	?
12	2.173	VV S	0.0302	8.17493e4	0.10859	?
13	2.211	VV S	0.0195	6.42300e4	0.08532	?
14	2.243	VV S	0.0317	8.96300e4	0.11906	?
15	2.285	VV S	0.0270	7.28590e4	0.09678	?
16	2.312	VV S	0.0270	6.28003e4	0.08342	?
17	2.352	VV S	0.0284	5.91707e4	0.07860	?
18	2.392	VV S	0.0332	8.58522e4	0.11404	?
19	2.423	VV S	0.0213	5.08007e4	0.06748	?
20	2.454	VV S	0.0306	6.32928e4	0.08407	?
21	2.498	VV S	0.0345	6.92289e4	0.09196	?
22	2.539	VV S	0.0758	1.68561e5	0.22390	?
23	2.633	VV S	0.0256	5.88662e4	0.07819	?
24	2.669	VV S	0.0261	3.05253e4	0.04055	?
25	2.693	VV S	0.0309	2.65048e4	0.03521	?
26	2.732	VV S	0.0291	1.57935e4	0.02098	?
27	2.776	VBAS	0.0354	1.86132e4	0.02472	?
28	3.176	VV	0.0416	6.73996	8.953e-6	?
29	3.251	VV	0.0223	1.72805	2.295e-6	?
30	3.560	VP	0.0324	3.23790	4.301e-6	?
31	3.647	VP	0.0183	4.72454	6.276e-6	?
32	4.354	PV	0.0237	2.82315	3.750e-6	?
33	4.392	VP	0.0447	3.93445	5.226e-6	?
34	4.693	PV	0.0505	24.18271	3.212e-5	?
35	5.123	BV	0.0530	8.48340	1.127e-5	?
36	5.230	VP	0.0274	7.13050	9.472e-6	?
37	5.532	VB	0.0910	183.61371	0.00024	?
38	6.132	PV	0.0289	2.25342	2.993e-6	?
39	6.197	VV	0.0278	5.02303	6.672e-6	?
40	6.238	VV	0.0312	3.18190	4.227e-6	?
41	6.344	VP	0.0426	8.20496	1.090e-5	?
42	6.517	VV	0.0298	2.26474	3.008e-6	?
43	6.711	VV	0.0284	1.96157	2.606e-6	?
44	7.043	VB	0.0456	4.10875	5.458e-6	?
45	7.428	PV	0.0323	3.92067	5.208e-6	?
46	7.839	VB	0.0230	6.40588	8.509e-6	?
47	8.933	VP	0.0294	3.13449	4.164e-6	?
48	9.235	VB	0.0372	3.14058	4.172e-6	?
49	9.791	VP	0.0310	5.60783	7.449e-6	?
50	10.840	VP	0.0263	4.99052	6.629e-6	?
51	12.191	PV	0.0299	2.51920	3.346e-6	?

Data File C:\HPCHEM\1\DATA\EP070805\0010101.D Sample Name: K 20 ccal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
52	12.458	VV	0.0308	2.79573	3.714e-6	?
53	13.386	VV	0.0290	4.52860	6.015e-6	?
54	13.460	VB	0.0489	4.56615	6.065e-6	?
55	13.630	BB	0.0274	3.39100	4.504e-6	?
56	14.610	VV	0.0380	3.90522	5.187e-6	?
57	14.757	VV	0.0521	4.42959	5.884e-6	?
58	16.353	VP	0.0889	14.15912	1.881e-5	?

Uncalib. totals : 7.52639e7 99.9752

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

*** End of Report ***

```
==========================================================================
Injection Date  : 7/8/2005 9:20:50 AM            Seq. Line :   2
Sample Name     : R 20 ccal                       Location : Vial 2
Acq. Operator   : DCS                                 Inj :   1
Acq. Instrument : GC6                            Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPH-R_F.M
Last changed    : 7/8/2005 2:27:48 PM by DCS
                  (modified after loading)
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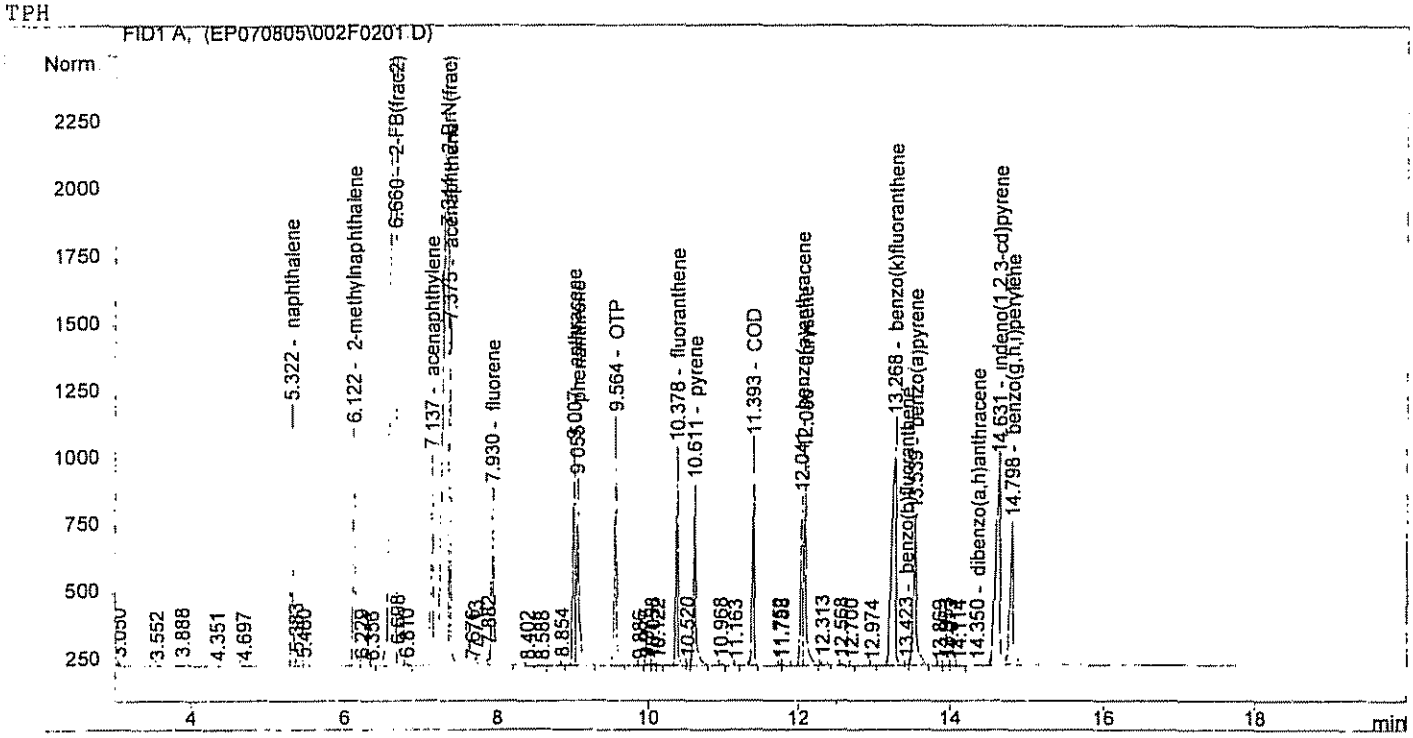
TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/8/2005 2:27:42 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,

Peak RetTime  Type   Width     Area      Area    Name
  #   [min]          [min]    [pA*s]      %
----|-------|------|-------|----------|--------|--------------------
   1    5.322 BV     0.0231 1425.80859  0.00193 naphthalene
   2    6.122 BV     0.0242 1458.18250  0.00198 2-methylnaphthalene
   3    6.660 BV     0.0434 1.67606e4   0.02273 2-FB(frac2)
   4    7.137 BP     0.0289 1478.28992  0.00200 acenaphthylene
   5    7.344 VV     0.0427 1.16154e4   0.01575 2-BrN(frac)
   6    7.375 VB     0.0156 1359.98889  0.00184 acenaphthene
   7    7.930 VB     0.0292 1420.61841  0.00193 fluorene
   8    9.007 BV     0.0249 1334.68164  0.00181 anthracene
   9    9.055 VB     0.0325 1571.38635  0.00213 phenanthrene
  10    9.564 BB     0.0274 1624.87671  0.00220 OTP
  11   10.378 BV     0.0277 1443.40393  0.00196 fluoranthene
  12   10.611 VB     0.0311 1512.16931  0.00205 pyrene
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.393	BB	0.0247	1413.08252	0.00192	COD
14	12.041	BV	0.0306	1434.32349	0.00195	benzo(a)anthracene
15	12.086	VB	0.0271	1565.82092	0.00212	chrysene
16	13.268	PV	0.0433	3165.18213	0.00429	benzo(k)fluoranthene
17	13.423	VV	0.0309	20.79473	2.820e-5	benzo(b)fluoranthene
18	13.539	VB	0.0354	1503.11096	0.00204	benzo(a)pyrene
19	14.350	PB	0.0316	3.56379	4.833e-6	dibenzo(a,h)anthracene
20	14.631	BV	0.0503	3051.60034	0.00414	indeno(1,2,3-cd)pyrene
21	14.798	VB	0.0419	1590.92456	0.00216	benzo(g,h,i)perylene

Totals : 5.67538e4 7.697e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.537	BV	0.0218	47.21525	6.403e-5	?
2	0.646	VV S	0.0713	5.54802e5	0.75243	?
3	1.701	VV S	0.9075	7.13255e7	96.73200	?
4	1.810	VV S	0.0348	1.20317e5	0.16317	?
5	1.846	VV S	0.0283	9.79598e4	0.13285	?
6	1.896	VV S	0.0563	1.65684e5	0.22470	?
7	1.956	VV S	0.0372	1.34484e5	0.18239	?
8	2.013	VV S	0.0415	1.24184e5	0.16842	?
9	2.077	VV S	0.0409	1.11036e5	0.15059	?
10	2.123	VV S	0.0286	8.57123e4	0.11624	?
11	2.169	VV S	0.0733	1.58279e5	0.21466	?
12	2.253	VV S	0.0335	9.76235e4	0.13240	?
13	2.298	VV S	0.0334	8.86091e4	0.12017	?
14	2.337	VV S	0.0326	8.00141e4	0.10852	?
15	2.392	VV S	0.0533	1.04132e5	0.14123	?
16	2.451	VV S	0.0336	7.59837e4	0.10305	?
17	2.499	VV S	0.0429	8.81483e4	0.11955	?
18	2.558	VV S	0.0429	8.63705e4	0.11714	?
19	2.621	VV S	0.0423	8.55107e4	0.11597	?
20	2.669	VV S	0.0334	4.06027e4	0.05507	?
21	2.707	VV S	0.0274	2.35244e4	0.03190	?
22	2.764	VB S	0.0455	2.92224e4	0.03963	?
23	3.050	PB	0.0166	12.63341	1.713e-5	?
24	3.552	BP	0.0278	3.04285	4.127e-6	?
25	3.888	BB	0.0197	14.39569	1.952e-5	?
26	4.351	PB	0.0195	1.30323	1.767e-6	?
27	4.697	BP	0.0484	4.78719	6.492e-6	?
28	5.383	VV	0.0364	84.98678	0.00012	?
29	5.480	VB	0.0344	23.93178	3.246e-5	?
30	6.229	VP	0.0343	19.55365	2.652e-5	?
31	6.356	BP	0.0270	3.42098	4.640e-6	?
32	6.698	VB	0.0218	96.24105	0.00013	?
33	6.810	BB	0.0278	19.84129	2.691e-5	?
34	7.676	PV	0.0188	4.52338	6.135e-6	?
35	7.713	VB	0.0191	47.69567	6.469e-5	?
36	7.882	PV	0.0205	72.40391	9.819e-5	?
37	8.402	BB	0.0346	5.49109	7.447e-6	?
38	8.588	PB	0.0283	5.11354	6.935e-6	?
39	8.854	BB	0.0182	14.67584	1.990e-5	?
40	9.886	PB	0.0225	4.17281	5.659e-6	?
41	9.975	PV	0.0259	19.83724	2.690e-5	?
42	10.058	VV	0.0245	15.56659	2.111e-5	?
43	10.122	VB	0.0279	6.74971	9.154e-6	?
44	10.520	VV	0.0299	23.41678	3.176e-5	?
45	10.968	BB	0.0253	14.69968	1.994e-5	?
46	11.163	BB	0.0250	4.01063	5.439e-6	?
47	11.752	PV	0.0212	12.28630	1.666e-5	?
48	11.788	VP	0.0254	14.09152	1.911e-5	?

Data File C:\HPCHEM\1\DATA\EP070605\002F0201.D Sample Name: R 20 ccal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
49	12.313	BP	0.0581	67.79007	9.194e-5	?
50	12.568	PB	0.0244	13.86847	1.881e-5	?
51	12.700	PB	0.0212	4.78610	6.491e-6	?
52	12.974	BB	0.0300	3.09598	4.199e-6	?
53	13.869	PV	0.0274	2.94098	3.989e-6	?
54	13.953	VV	0.0307	18.73054	2.540e-5	?
55	14.013	VP	0.0217	3.35235	4.546e-6	?
56	14.114	BP	0.0262	2.07682	2.817e-6	?

Uncalib. totals : 7.36784e7 99.9230

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

*** End of Report ***

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date 07/05/05

Calibration Ranges and Limits

Range	MDL (2/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_9-C_{18} Aliphatics	3.84	12.2	100	10
C_{19}-C_{36} Aliphatics	0.57	1.8	100	10
C_{11}-C_{22} Aromatics	4.54	14.4	100	10

Calibration Concentration Levels

Range	Levels (µg/mL)	%RSD or CCC	Method of Quantitation
C_9-C_{18} Aliphatics	6	16.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	9.4	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	16.4	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 07/12/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	21.1
C_{19}-C_{36} Aliphatics	160	3.4
C_{11}-C_{22} Aromatics	340	6.6

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

```
==========================================================================
Injection Date  : 7/12/2005 4:52:22 AM          Seq. Line :  38
Sample Name     : K 20 ccal                      Location : Vial 42
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                           Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 7/12/2005 8:10:32 AM by DCS
                  (modified after loading)
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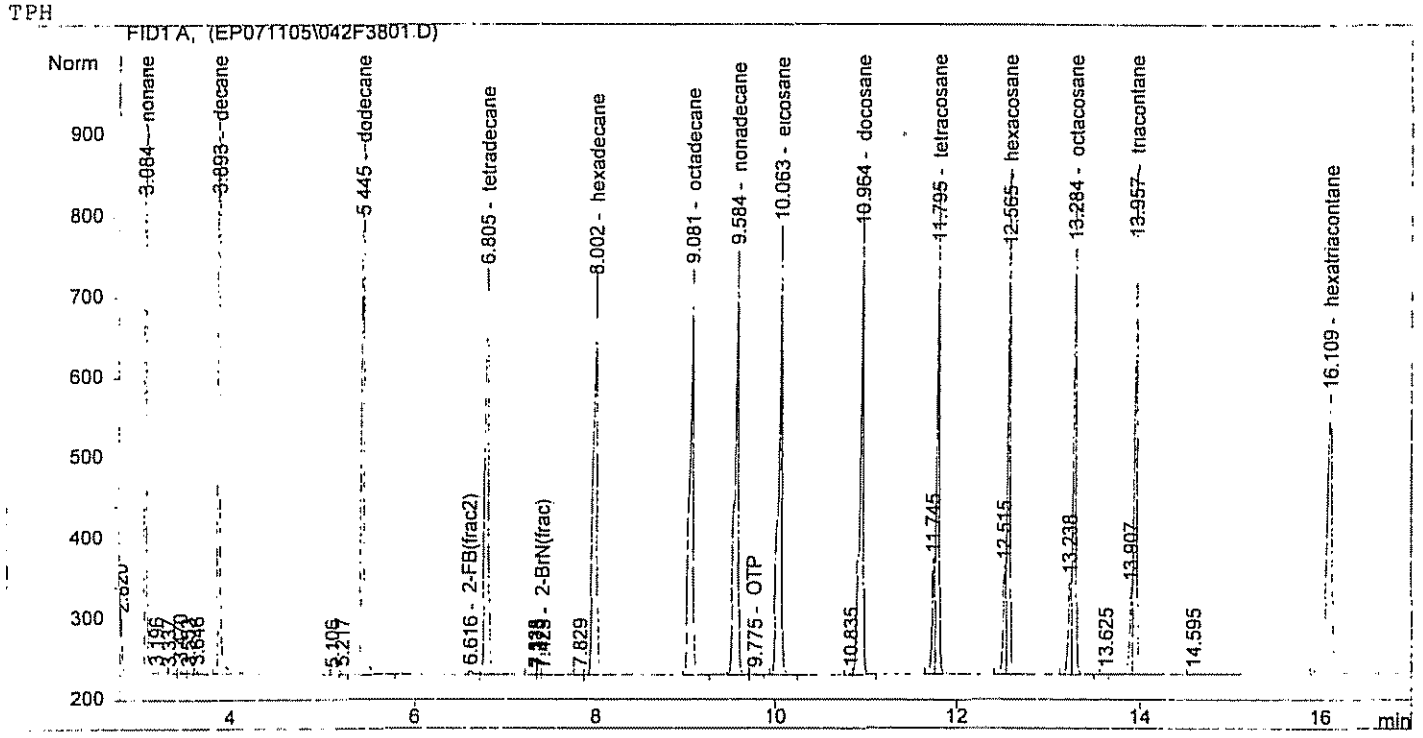
TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/12/2005 8:09:55 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.084	VV	0.0163	1339.66174	0.00168	nonane
2	3.893	BB	0.0185	1337.87634	0.00168	decane
3	5.445	VB	0.0308	1356.41431	0.00170	dodecane
4	6.616	VV	0.0456	15.70759	1.970e-5	2-FB(frac2)
5	6.805	VB	0.0353	1350.62354	0.00169	tetradecane
6	7.423	VP	0.0354	3.16664	3.972e-6	2-BrN(frac)
7	8.002	VV	0.0373	1356.44775	0.00170	hexadecane
8	9.081	VV	0.0366	1365.08557	0.00171	octadecane
9	9.584	VV	0.0352	1367.49268	0.00172	nonadecane
10	9.775	VB	0.0496	6.67363	8.372e-6	OTP
11	10.063	BB	0.0336	1367.44934	0.00172	eicosane
12	10.964	VB	0.0332	1361.62195	0.00171	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.435		0.0000	0.00000	0.00000	COD
14	11.795	VB	0.0264	1062.95374	0.00133	tetracosane
15	12.565	VB	0.0255	1074.81909	0.00135	hexacosane
16	13.284	VB	0.0283	1085.38135	0.00136	octacosane
17	13.957	VB	0.0269	1127.70374	0.00141	triacontane
18	16.109	VB	0.0559	1306.72559	0.00164	hexatriacontane

Totals : 1.78858e4 2.244e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.543	VV	0.0196	90.21911	0.00011	?
2	0.590	VV	0.0194	25.00003	3.136e-5	?
3	0.699	VV S	0.0348	8.94193e5	1.12175	?
4	1.798	VV S	0.6804	7.78984e7	97.72190	?
5	1.864	VV S	0.0166	7.72293e5	0.96883	?
6	1.953	VV S	0.1178	3.27776e4	0.04112	?
7	2.060	VV S	0.0410	1.11047e4	0.01393	?
8	2.111	VV S	0.0557	1.20882e4	0.01516	?
9	2.163	VV S	0.0400	9459.03809	0.01187	?
10	2.224	VV S	0.0367	8306.14063	0.01042	?
11	2.274	VV S	0.0322	7746.94629	0.00972	?
12	2.326	VV S	0.0374	7424.34424	0.00931	?
13	2.373	VV S	0.0399	7279.86914	0.00913	?
14	2.424	VV S	0.0315	6300.86963	0.00790	?
15	2.471	VV S	0.0362	6069.77051	0.00761	?
16	2.515	VV S	0.0248	4365.22949	0.00548	?
17	2.557	VV S	0.0361	4785.86621	0.00600	?
18	2.597	VV S	0.0302	4953.95117	0.00621	?
19	2.638	VV S	0.0299	4124.67236	0.00517	?
20	2.683	VV S	0.0367	2123.94043	0.00266	?
21	2.742	VBAS	0.0500	1385.69556	0.00174	?
22	2.820	BP	5.93e-3	8.74912	1.098e-5	?
23	3.196	VV	0.0403	6.81003	8.543e-6	?
24	3.337	VP	0.0198	1.48822	1.867e-6	?
25	3.470	BV	0.0172	7.78520	9.766e-6	?
26	3.553	VV	0.0286	3.80238	4.770e-6	?
27	3.646	VB	0.0182	4.83977	6.071e-6	?
28	5.106	BB	0.0419	3.74908	4.703e-6	?
29	5.217	BP	0.0263	6.37449	7.997e-6	?
30	7.338	PV	0.0329	3.31958	4.164e-6	?
31	7.373	VV	0.0394	4.13824	5.191e-6	?
32	7.829	VP	0.0413	6.90223	8.659e-6	?
33	10.835	VV	0.0352	7.35927	9.232e-6	?
34	11.745	VV	0.0307	302.89468	0.00038	?
35	12.515	VV	0.0325	295.54276	0.00037	?
36	13.238	VV	0.0378	280.90540	0.00035	?
37	13.625	BP	0.0313	2.66820	3.347e-6	?
38	13.907	VV	0.0312	235.49156	0.00030	?
39	14.595	BP	0.0331	2.49309	3.128e-6	?

Uncalib. totals : 7.96965e7 99.9776

Results obtained with enhanced integrator!
3 Warnings or Errors :

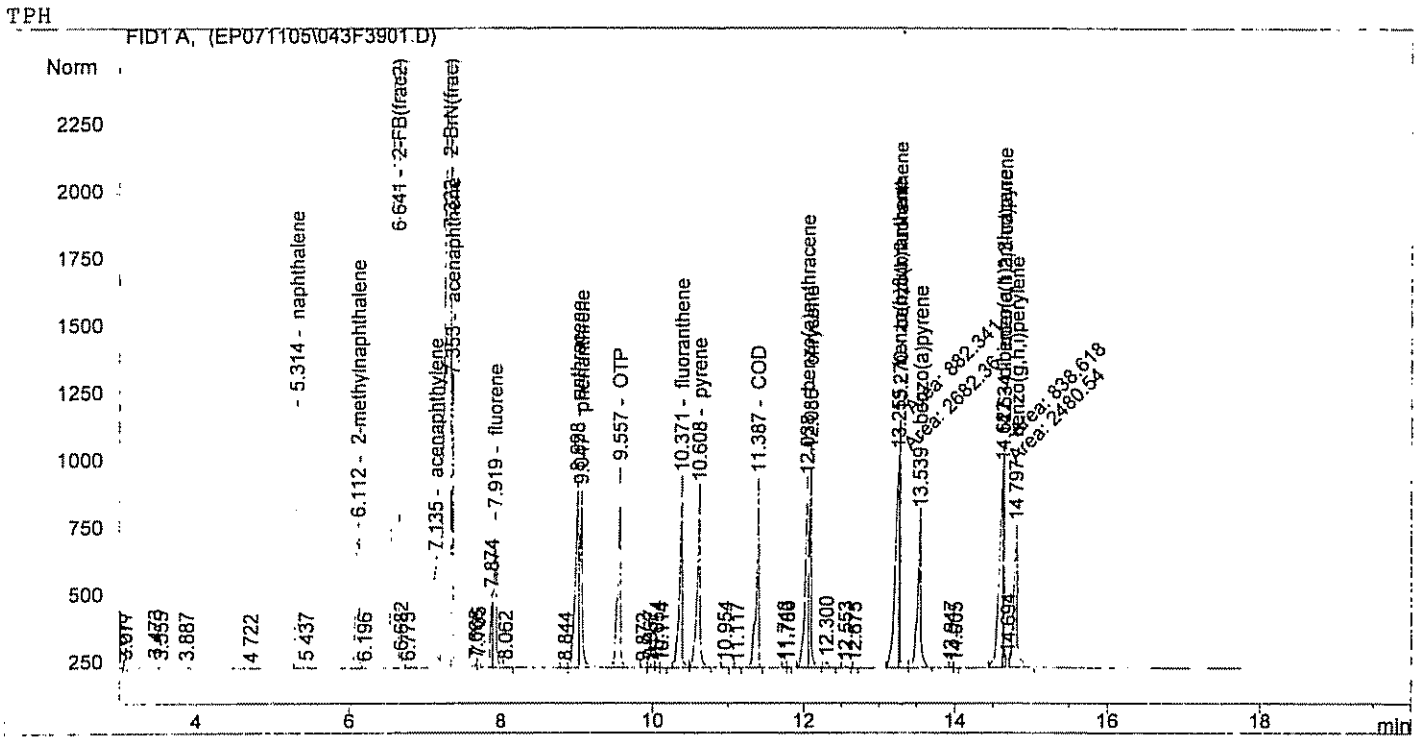
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed

==========

*** End of Report ***

```
==========================================================================
Injection Date  : 7/12/2005 5:19:41 AM          Seq. Line :  39
Sample Name     : R 20 ccal                      Location : Vial 43
Acq. Operator   : DCS                                Inj :  1
Acq. Instrument : GC6                           Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPH-R_F.M
Last changed    : 7/11/2005 3:14:52 PM by DCS
                  (modified after loading)
```

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/12/2005 8:06:31 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,

Peak RetTime  Type   Width     Area      Area    Name
  #   [min]          [min]    [pA*s]      %
----|-------|------|-------|----------|--------|----------------------
   1   5.314 BV     0.0268 1799.87012  0.00227 naphthalene
   2   6.112 BV     0.0418 1713.39734  0.00216 2-methylnaphthalene
   3   6.641 BV     0.0523 1.96321e4   0.02480 2-FB(frac2)
   4   7.135 PV     0.0549 1709.02014  0.00216 acenaphthylene
   5   7.322 VV     0.0541 1.38899e4   0.01754 2-BrN(frac)
   6   7.353 VB     0.0194 1399.17737  0.00177 acenaphthene
   7   7.919 VV     0.0307 1215.61890  0.00154 fluorene
   8   8.998 VV     0.0383 1964.13184  0.00248 anthracene
   9   9.047 VB     0.0314 1437.75085  0.00182 phenanthrene
  10   9.557 PB     0.0347 1906.95422  0.00241 OTP
  11  10.371 BV     0.0353 1715.87866  0.00217 fluoranthene
  12  10.608 VB     0.0363 1803.66553  0.00228 pyrene
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.387	BB	0.0333	1650.41455	0.00208	COD
14	12.038	BV	0.0427	1956.74390	0.00247	benzo(a)anthracene
15	12.086	VB	0.0291	1500.13367	0.00189	chrysene
16	13.255	MF	0.0563	2682.36499	0.00339	benzo(b)fluoranthene
17	13.270	FM	0.0158	882.34113	0.00111	benzo(k)fluoranthene
18	13.539	VB	0.0425	1700.59070	0.00215	benzo(a)pyrene
19	14.622	MF	0.0553	2480.53833	0.00313	dibenzo(a,h)anthracene
20	14.634	FM	0.0166	838.61798	0.00106	indeno(1,2,3-cd)pyrene
21	14.797	VB	0.0422	1731.60657	0.00219	benzo(g,h,i)perylene

Totals : 6.56109e4 8.287e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.569	BV S	0.0122	2021.28687	0.00255	?
2	0.606	VV S	0.0162	6.62774e4	0.08371	?
3	0.686	VV S	0.0338	6.77472e5	0.85569	?
4	1.831	VV S	0.9652	7.74415e7	97.81377	?
5	1.864	VV S	0.0168	7.69797e5	0.97230	?
6	1.915	VV S	0.0365	1.37390e4	0.01735	?
7	1.961	VV S	0.0275	8512.00293	0.01075	?
8	2.003	VV S	0.0418	1.34920e4	0.01704	?
9	2.052	VV S	0.0396	1.06904e4	0.01350	?
10	2.108	VV S	0.0327	9961.18555	0.01258	?
11	2.141	VV S	0.0287	6331.38965	0.00800	?
12	2.182	VV S	0.0364	8851.86133	0.01118	?
13	2.226	VV S	0.0398	9514.15137	0.01202	?
14	2.280	VV S	0.0354	7973.77051	0.01007	?
15	2.328	VV S	0.0443	8700.89453	0.01099	?
16	2.387	VV S	0.0440	9478.66992	0.01197	?
17	2.439	VV S	0.0575	9678.16016	0.01222	?
18	2.514	VV S	0.0499	8717.87500	0.01101	?
19	2.573	VV S	0.0416	7989.61182	0.01009	?
20	2.637	VV S	0.0385	6758.69043	0.00854	?
21	2.675	VV S	0.0321	3597.79785	0.00454	?
22	2.725	VV S	0.0329	2541.04150	0.00321	?
23	2.764	VB S	0.0348	2016.67224	0.00255	?
24	2.929	PB	0.0170	1.30690	1.651e-6	?
25	3.016	BB	0.0182	1.32190	1.670e-6	?
26	3.077	BB	0.0167	10.68007	1.349e-5	?
27	3.473	PB	0.0189	21.87812	2.763e-5	?
28	3.555	BB	0.0222	12.76144	1.612e-5	?
29	3.887	BB	0.0216	11.69459	1.477e-5	?
30	4.722	BB	0.0458	5.75494	7.269e-6	?
31	5.437	VB	0.0395	23.63944	2.986e-5	?
32	6.196	VB	0.0496	26.16681	3.305e-5	?
33	6.682	VV	0.0326	108.88713	0.00014	?
34	6.775	VB	0.0655	28.32446	3.578e-5	?
35	7.668	PV	0.0282	23.25413	2.937e-5	?
36	7.705	VB	0.0264	41.16413	5.199e-5	?
37	7.874	BV	0.0284	507.55905	0.00064	?
38	8.062	VB	0.0425	30.85287	3.897e-5	?
39	8.844	BP	0.0355	17.05848	2.155e-5	?
40	9.872	PB	0.0323	5.99955	7.578e-6	?
41	9.967	BV	0.0319	29.14946	3.682e-5	?
42	10.054	VV	0.0313	14.94024	1.887e-5	?
43	10.114	VP	0.0288	4.63547	5.855e-6	?
44	10.954	BP	0.0295	12.59353	1.591e-5	?
45	11.117	BP	0.0319	3.26330	4.122e-6	?
46	11.743	BV	0.0285	14.62503	1.847e-5	?
47	11.786	VB	0.0248	9.64204	1.218e-5	?
48	12.300	BB	0.0460	79.89489	0.00010	?

Data File C:\HPCHEM\1\DATA\EP071105\0431390I.D Sample Name: R 20 ccal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
49	12.553	BB	0.0303	13.39580	1.692e-5	?
50	12.675	BB	0.0284	4.38421	5.538e-6	?
51	13.947	BP	0.0242	10.42555	1.317e-5	?
52	14.005	VP	0.0226	3.03459	3.833e-6	?
53	14.694	VV	0.0353	85.80957	0.00011	?

Uncalib. totals : 7.91068e7 99.9171

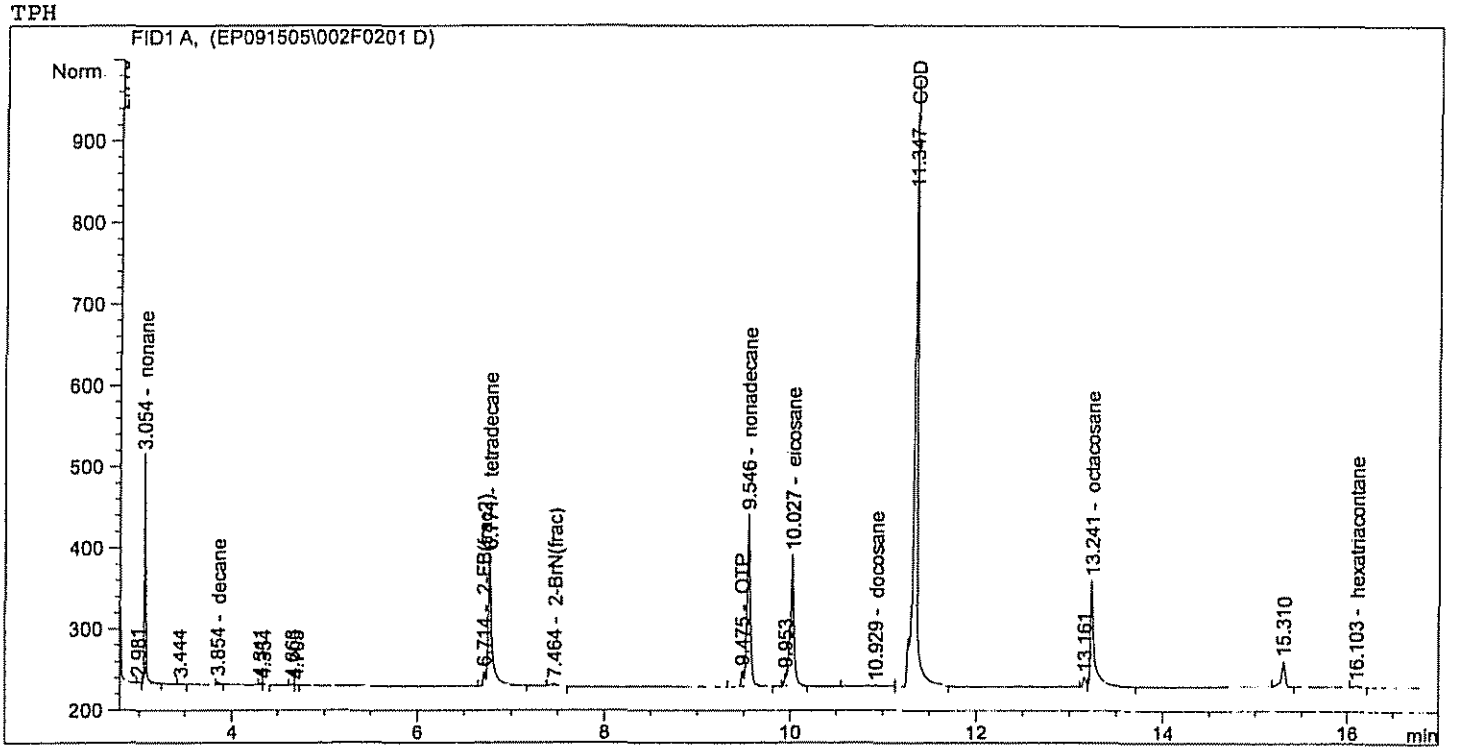
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

*** End of Report ***

EPH QC, Blanks Raw Data

```
==================================================================
Injection Date  : 9/15/2005 2:42:52 PM          Seq. Line :   2
Sample Name     : lcs3191 x1 K                   Location : Vial 2
Acq. Operator   : DCS                                 Inj :   1
Acq. Instrument : GC6                           Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\091505.S
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 9/15/2005 1:45:46 PM by DCS
TPH
```




```
==================================================================
                        Area Percent Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      9/15/2005 1:41:18 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.054	VB	0.0170	311.93680	0.00038	nonane
2	3.854	VV	0.0282	8.89159	1.095e-5	decane
3	5.410		0.0000	0.00000	0.00000	dodecane
4	6.714	VV	0.0244	27.85187	3.429e-5	2-FB(frac2)
5	6.771	VB	0.0403	462.23044	0.00057	tetradecane
6	7.464	BP	0.0494	11.24358	1.384e-5	2-BrN(frac)
7	8.095		0.0000	0.00000	0.00000	hexadecane
8	9.080		0.0000	0.00000	0.00000	octadecane
9	9.475	BV	0.0259	33.67286	4.145e-5	OTP
10	9.546	VB	0.0376	537.29529	0.00066	nonadecane
11	10.027	VV	0.0393	461.54047	0.00057	eicosane
12	10.929	VP	0.1273	10.78091	1.327e-5	docosane

Data File C:\HPCHEM\1\DATA\EP091505\002F0201.D Sample Name: lcs3191 x1 K

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.347	VB	0.0423	1870.82227	0.00230	COD
14	11.779		0.0000	0.00000	0.00000	tetracosane
15	12.525		0.0000	0.00000	0.00000	hexacosane
16	13.241	VB	0.0476	421.67615	0.00052	octacosane
17	13.914		0.0000	0.00000	0.00000	triacontane
18	16.103	BP	0.0583	6.24608	7.689e-6	hexatriacontane

Totals : 4164.18830 5.126e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.539	PV	0.0194	158.18944	0.00019	?
2	0.584	VV	0.0184	62.85604	7.738e-5	?
3	0.692	VV S	0.0367	9.25052e5	1.13876	?
4	1.806	VV S	0.9739	7.92181e7	97.51932	?
5	1.859	VV S	0.0202	9.61950e5	1.18418	?
6	1.908	PV T	0.0638	2.58144e4	0.03178	?
7	1.955	VV T	0.0316	1.10234e4	0.01357	?
8	1.995	VV T	0.0272	8738.43457	0.01076	?
9	2.053	VV T	0.0366	1.03502e4	0.01274	?
10	2.096	VV T	0.0312	7595.26807	0.00935	?
11	2.136	VV T	0.0377	8444.81250	0.01040	?
12	2.190	VV T	0.0352	8932.15820	0.01100	?
13	2.254	VV T	0.0330	7524.08643	0.00926	?
14	2.303	VV T	0.0413	9720.03320	0.01197	?
15	2.409	VV T	0.0619	8805.54199	0.01084	?
16	2.470	VV T	0.0272	3726.32617	0.00459	?
17	2.507	VV T	0.0455	4268.31055	0.00525	?
18	2.581	VV T	0.0293	4035.77515	0.00497	?
19	2.618	VB T	0.0264	1766.99426	0.00218	?
20	2.738	VV S	0.0323	1887.40381	0.00232	?
21	2.775	VBAS	0.0204	960.17267	0.00118	?
22	2.981	BP	0.0266	1.70994	2.105e-6	?
23	3.444	BV	0.0277	2.65804	3.272e-6	?
24	4.311	VV	0.0220	3.92693	4.834e-6	?
25	4.354	VP	0.0238	2.09888	2.584e-6	?
26	4.663	VV	0.0289	3.95826	4.873e-6	?
27	4.705	VV	0.0295	2.08629	2.568e-6	?
28	9.953	PV	0.0241	25.25124	3.108e-5	?
29	13.161	PV	0.0355	25.12543	3.093e-5	?
30	15.310	BB	0.0463	91.37249	0.00011	?

Uncalib. totals : 8.12291e7 99.9949

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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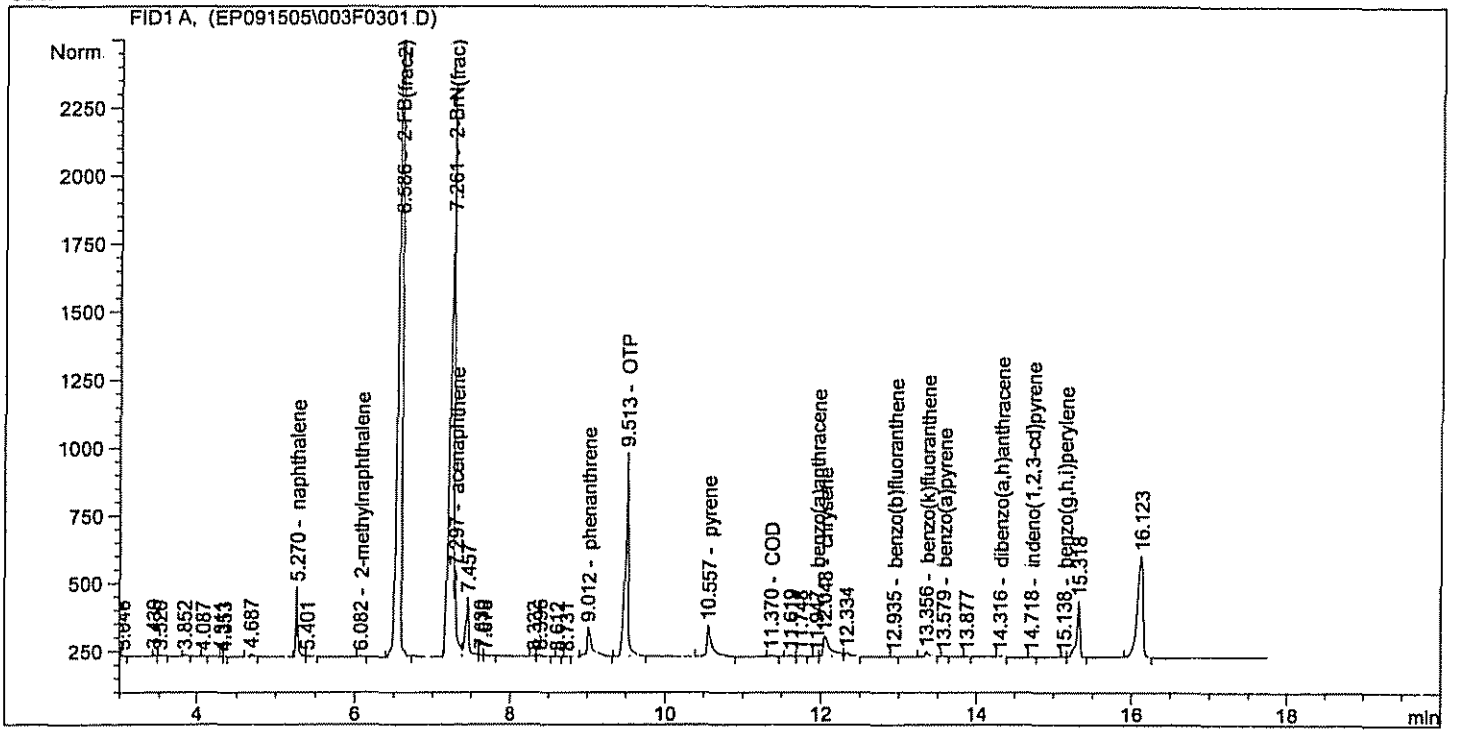
*** End of Report ***

```
==================================================================
Injection Date  : 9/15/2005 3:09:41 PM          Seq. Line :   3
Sample Name     : lcs3191 x1 R                   Location : Vial 3
Acq. Operator   : DCS                                 Inj :   1
Acq. Instrument : GC6                           Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPH-R_F.M
Last changed    : 9/16/2005 8:12:09 AM by DCS
                  (modified after loading)
```

TPH




```
==================================================================
                        Area Percent Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      9/16/2005 8:11:47 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,

Peak RetTime  Type   Width     Area      Area    Name
  #   [min]          [min]    [pA*s]      %
----|-------|------|-------|----------|-------|--------------------
   1   5.270 BV     0.0256  451.96115  0.00057 naphthalene
   2   6.082 PB     0.0357    6.89431 8.649e-6 2-methylnaphthalene
   3   6.586 PP     0.0470 9196.13574  0.01154 2-FB(frac2)
   4   7.158        0.0000    0.00000  0.00000 acenaphthylene
   5   7.261 BV     0.0420 6785.71094  0.00851 2-BrN(frac)
   6   7.297 VV     0.0280  647.58765  0.00081 acenaphthene
   7   7.920        0.0000    0.00000  0.00000 fluorene
   8   9.012 BB     0.0630  517.64612  0.00065 phenanthrene
   9   9.111        0.0000    0.00000  0.00000 anthracene
  10   9.513 BB     0.0376 2106.06665  0.00264 OTP
  11  10.318        0.0000    0.00000  0.00000 fluoranthene
  12  10.557 BB     0.0641  562.52881  0.00071 pyrene
```

Data File C:\HPCHEM\1\DATA\EP091505\003F0301.D Sample Name: lcs3191 x1 R

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.370	BB	0.0398	21.59118	2.709e-5	COD
14	11.947	PV	0.0369	3.54759	4.451e-6	benzo(a)anthracene
15	12.048	VV	0.0845	477.54599	0.00060	chrysene
16	12.935	BP	0.0274	1.84648	2.316e-6	benzo(b)fluoranthene
17	13.356	BB	0.0544	71.08946	8.918e-5	benzo(k)fluoranthene
18	13.579	PB	0.0316	4.68566	5.878e-6	benzo(a)pyrene
19	14.316	PB	0.0433	6.20215	7.781e-6	dibenzo(a,h)anthracene
20	14.718	BB	0.0347	3.72220	4.670e-6	indeno(1,2,3-cd)pyrene
21	15.138	BV	0.0384	2.72462	3.418e-6	benzo(g,h,i)perylene

Totals : 2.08675e4 2.618e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.540	PV	0.0206	213.28780	0.00027	?
2	0.584	VV	0.0218	71.35459	8.952e-5	?
3	0.610	VP	8.71e-3	525.71332	0.00066	?
4	0.629	VV S	0.0109	3659.14966	0.00459	?
5	0.663	VV S	0.0170	2.10207e5	0.26371	?
6	1.786	VV S	0.9620	7.84056e7	98.36237	?
7	1.841	VV S	0.0190	9.23313e5	1.15833	?
8	1.905	VV S	0.0277	8829.06543	0.01108	?
9	1.940	VV S	0.0414	1.15475e4	0.01449	?
10	1.994	VV S	0.0470	1.19730e4	0.01502	?
11	2.045	VV S	0.0397	1.07595e4	0.01350	?
12	2.097	VV S	0.0304	8423.14258	0.01057	?
13	2.145	VV S	0.0400	1.07386e4	0.01347	?
14	2.187	VV S	0.0275	6314.94580	0.00792	?
15	2.221	VV S	0.0379	7935.29053	0.00996	?
16	2.267	VV S	0.0289	6268.01807	0.00786	?
17	2.309	VV S	0.0330	7409.74365	0.00930	?
18	2.360	VV S	0.0619	1.15917e4	0.01454	?
19	2.430	VV S	0.0352	7560.34131	0.00948	?
20	2.476	VV S	0.0322	5989.68799	0.00751	?
21	2.513	VV S	0.0383	6837.90430	0.00858	?
22	2.585	VV S	0.0583	8792.49707	0.01103	?
23	2.624	VV S	0.0333	4865.47852	0.00610	?
24	2.665	VV S	0.0297	2714.94507	0.00341	?
25	2.702	VV S	0.0490	3344.50562	0.00420	?
26	2.764	VB S	0.0309	1231.72217	0.00155	?
27	2.970	PP	0.0178	2.00225	2.512e-6	?
28	3.046	BB	0.0249	5.11609	6.418e-6	?
29	3.439	PB	0.0207	10.61645	1.332e-5	?
30	3.520	BB	0.0339	8.35012	1.048e-5	?
31	3.852	VB	0.0286	9.54076	1.197e-5	?
32	4.087	PB	0.0293	2.60450	3.267e-6	?
33	4.311	BV	0.0179	2.00202	2.512e-6	?
34	4.353	VB	0.0196	2.25675	2.831e-6	?
35	4.687	BB	0.0314	26.36935	3.308e-5	?
36	5.401	VB	0.0524	17.06805	2.141e-5	?
37	7.457	VV	0.0422	690.35120	0.00087	?
38	7.630	VV	0.0465	21.93141	2.751e-5	?
39	7.678	VB	0.0592	24.39018	3.060e-5	?
40	8.322	PV	0.0347	2.99953	3.763e-6	?
41	8.396	VB	0.0562	28.40791	3.564e-5	?
42	8.612	BB	0.0328	2.75475	3.456e-6	?
43	8.731	PB	0.0300	2.25244	2.826e-6	?
44	11.619	BB	0.0356	14.88110	1.867e-5	?
45	11.748	BP	0.0458	8.70612	1.092e-5	?
46	12.334	VB	0.0602	61.72435	7.744e-5	?
47	13.877	BP	0.0340	3.41167	4.280e-6	?
48	15.318	VB	0.0426	607.79144	0.00076	?
49	16.123	BB	0.0686	1834.02759	0.00230	?

Data File C:\HPCHEM\1\DATA\EP091505\003F0301.D Sample Name: lcs3191 x1 R

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
Uncalib. totals :				7.96901e7	99.9738	

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

External Standard Report

Data File Name : C:\HPCHEM\1\DATA\EP091505\004F0401.D
Operator : DCS
Instrument : GC6
Sample Name : G106-527-3I x1 ms K
Run Time Bar Code: 139158
Acquired on : 15 Sep 05 3:37:00 PM
Report Created on: 16 Sep 2005 8:03:34 AM
Last Recalib on : 15 Sep 2005 1:41:18 PM
Multiplier : 1.0000

Page Number :
Vial Number : Vial 4
Injection Number : 1
Sequence Line : 4
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

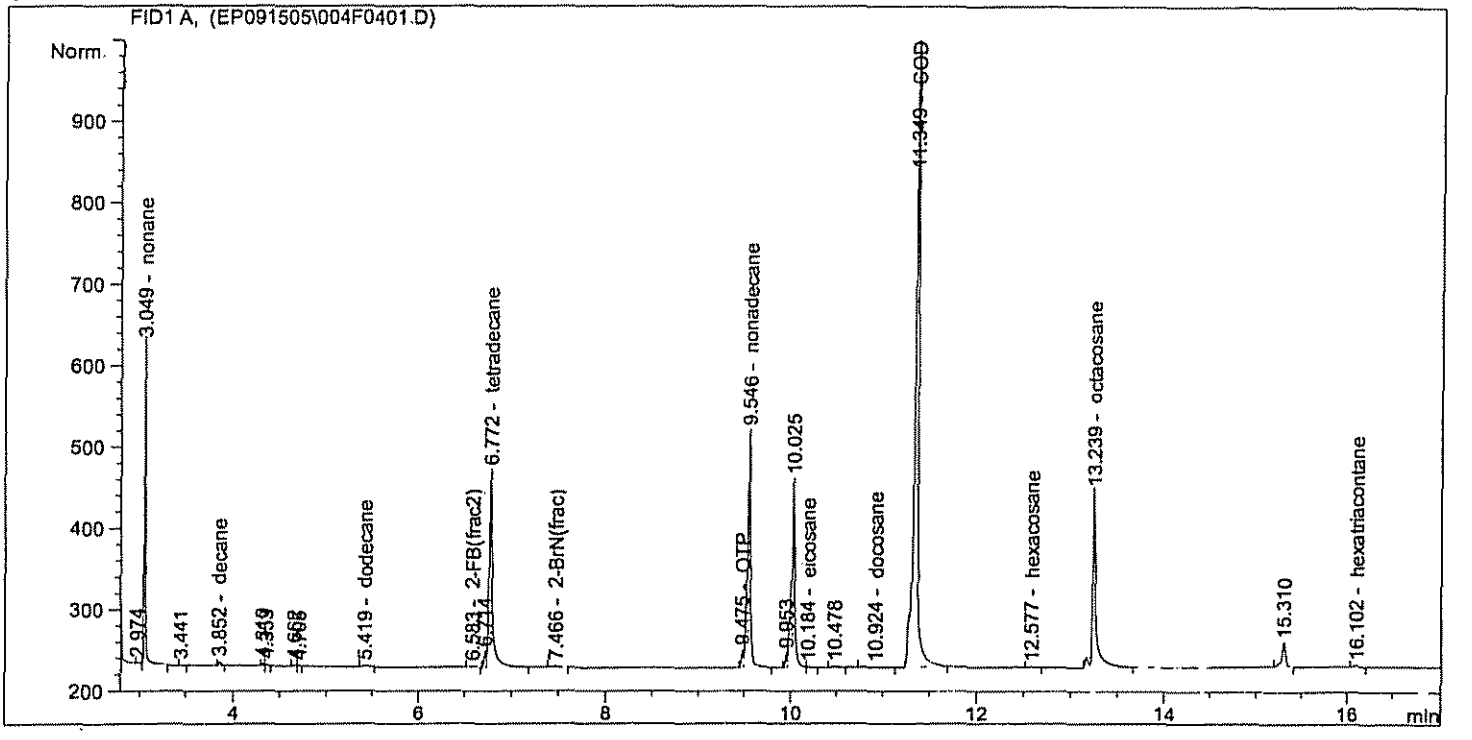
Sig. 1 in C:\HPCHEM\1\DATA\EP091505\004F0401.D

Ret Time	Area	Type	Width	Ref#	ng	Name
3.049	435.97452	VV	0.01	1	0.00054	nonane
3.852	9.44468	VV	0.02	2	1.164e-5	decane
5.419	6.35990	BP	0.05	3	7.836e-6	dodecane
6.583	3.46704	VP	0.04	4	4.272e-6	2-FB(frac2)
6.772	632.70331	VP	0.03	5	0.00078	tetradecane
7.466	6.80928	BB	0.04	6	8.390e-6	2-BrN(frac)
8.095	0.00000	XX	0.00	7	0.00000	hexadecane
9.080	0.00000	XX	0.00	8	0.00000	octadecane
9.475	34.17978	BV	0.02	9	4.211e-5	OTP
9.546	704.77069	VV	0.03	10	0.00087	nonadecane
10.184	3.77479	VB	0.03	11	4.651e-6	eicosane
10.924	8.34624	VP	0.08	12	1.028e-5	docosane
11.349	2296.83154	BB	0.04	13	0.00283	COD
11.779	0.00000	XX	0.00	14	0.00000	tetracosane
12.577	2.55323	VB	0.03	15	3.146e-6	hexacosane
13.239	593.09827	BB	0.04	16	0.00073	octacosane
13.914	0.00000	XX	0.00	17	0.00000	triacontane
16.102	5.81332	BB	0.05	18	7.163e-6	hexatriacontane
0.533	80.97552	PV	0.01	1	9.977e-5	* uncalibrated *
0.583	21.66393	VV	0.01	2	2.669e-5	* uncalibrated *
1.820	8.00962e7	VVS	0.97	3	98.69099	* uncalibrated *
1.848	9.32651e5	VVS	0.01	4	1.14917	* uncalibrated *
1.907	8560.46191	VVS	0.02	5	0.01055	* uncalibrated *
1.948	9578.58105	VVS	0.02	6	0.01180	* uncalibrated *
1.993	1.10341e4	VVS	0.03	7	0.01360	* uncalibrated *
2.044	9182.21680	VVS	0.03	8	0.01131	* uncalibrated *
2.083	8798.62695	VVS	0.03	9	0.01084	* uncalibrated *
2.135	7960.75244	VVS	0.03	10	0.00981	* uncalibrated *
2.174	7390.24561	VVS	0.03	11	0.00911	* uncalibrated *
2.222	9864.62109	VVS	0.05	12	0.01215	* uncalibrated *
2.292	9391.60059	VVS	0.05	13	0.01157	* uncalibrated *
2.342	6176.69092	VVS	0.03	14	0.00761	* uncalibrated *
2.381	5066.27686	VVS	0.02	15	0.00624	* uncalibrated *
2.425	5519.66357	VVS	0.03	16	0.00680	* uncalibrated *
2.466	5240.11963	VVS	0.02	17	0.00646	* uncalibrated *
2.508	4313.92285	VVS	0.02	18	0.00532	* uncalibrated *
2.549	4810.26807	VVS	0.03	19	0.00593	* uncalibrated *
2.585	3558.39453	VVS	0.02	20	0.00438	* uncalibrated *
2.628	4245.69678	VVS	0.03	21	0.00523	* uncalibrated *
2.666	2321.30444	VVS	0.03	22	0.00286	* uncalibrated *
2.709	802.58173	VPS	0.02	23	0.00099	* uncalibrated *
2.745	287.32001	VBAS	0.01	24	0.00035	* uncalibrated *
2.974	1.71484	BP	0.02	25	2.113e-6	* uncalibrated *

Data File C:\HPCHEM\1\DATA\EP091505\004F0401.D Sample Name: 139158 x1 ms K

Injection Date	: 9/15/2005 3:37:00 PM	Seq. Line :	4
Sample Name	: 139158 x1 ms K	Location :	Vial 4
Acq. Operator	: DCS	Inj :	1
Acq. Instrument	: GC6	Inj Volume :	10 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\091505.S		
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPHTK_F.M		
Last changed	: 9/15/2005 1:45:46 PM by DCS		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	9/15/2005 1:41:18 PM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.049	VV	0.0169	435.97452	0.00054	nonane
2	3.852	VV	0.0268	9.44468	1.164e-5	decane
3	5.419	BP	0.0592	6.35990	7.836e-6	dodecane
4	6.583	VP	0.0458	3.46704	4.272e-6	2-FB(frac2)
5	6.772	VP	0.0374	632.70331	0.00078	tetradecane
6	7.466	BB	0.0424	6.80928	8.390e-6	2-BrN(frac)
7	8.095		0.0000	0.00000	0.00000	hexadecane
8	9.080		0.0000	0.00000	0.00000	octadecane
9	9.475	BV	0.0247	34.17978	4.211e-5	OTP
10	9.546	VV	0.0352	704.77069	0.00087	nonadecane
11	10.184	VB	0.0364	3.77479	4.651e-6	eicosane
12	10.924	VP	0.0865	8.34624	1.028e-5	docosane

Data File C:\HPCHEM\1\DATA\EP091505\004F0401.D Sample Name: 139158 x1 ms K

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.349	BB	0.0431	2296.83154	0.00283	COD
14	11.779		0.0000	0.00000	0.00000	tetracosane
15	12.577	VB	0.0394	2.55323	3.146e-6	hexacosane
16	13.239	BB	0.0419	593.09827	0.00073	octacosane
17	13.914		0.0000	0.00000	0.00000	triacontane
18	16.102	BB	0.0528	5.81332	7.163e-6	hexatriacontane

Totals : 4744.12659 5.846e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.533	PV	0.0184	80.97552	9.977e-5	?
2	0.583	VV	0.0161	21.66393	2.669e-5	?
3	1.820	VV S	0.9745	8.00962e7	98.69099	?
4	1.848	VV S	0.0194	9.32651e5	1.14917	?
5	1.907	VV S	0.0272	8560.46191	0.01055	?
6	1.948	VV S	0.0270	9578.58105	0.01180	?
7	1.993	VV S	0.0386	1.10341e4	0.01360	?
8	2.044	VV S	0.0333	9182.21680	0.01131	?
9	2.083	VV S	0.0345	8798.62695	0.01084	?
10	2.135	VV S	0.0349	7960.75244	0.00981	?
11	2.174	VV S	0.0325	7390.24561	0.00911	?
12	2.222	VV S	0.0521	9864.62109	0.01215	?
13	2.292	VV S	0.0546	9391.60059	0.01157	?
14	2.342	VV S	0.0308	6176.69092	0.00761	?
15	2.381	VV S	0.0279	5066.27686	0.00624	?
16	2.425	VV S	0.0344	5519.66357	0.00680	?
17	2.466	VV S	0.0288	5240.11963	0.00646	?
18	2.508	VV S	0.0250	4313.92285	0.00532	?
19	2.549	VV S	0.0315	4810.26807	0.00593	?
20	2.585	VV S	0.0283	3558.39453	0.00438	?
21	2.628	VV S	0.0317	4245.69678	0.00523	?
22	2.666	VV S	0.0364	2321.30444	0.00286	?
23	2.709	VP S	0.0204	802.58173	0.00099	?
24	2.745	VBAS	0.0120	287.32001	0.00035	?
25	2.974	BP	0.0224	1.71484	2.113e-6	?
26	3.441	PV	0.0251	2.46383	3.036e-6	?
27	4.310	VV	0.0219	5.04903	6.221e-6	?
28	4.353	VP	0.0231	2.97454	3.665e-6	?
29	4.662	VV	0.0281	4.88383	6.018e-6	?
30	4.705	VV	0.0265	2.57980	3.179e-6	?
31	6.714	BV	0.0221	28.98607	3.572e-5	?
32	9.953	BV	0.0198	23.95333	2.951e-5	?
33	10.025	VV	0.0363	602.15594	0.00074	?
34	10.478	PB	0.0540	8.46678	1.043e-5	?
35	15.310	BB	0.0467	87.06393	0.00011	?

Uncalib. totals : 8.11538e7 99.9942

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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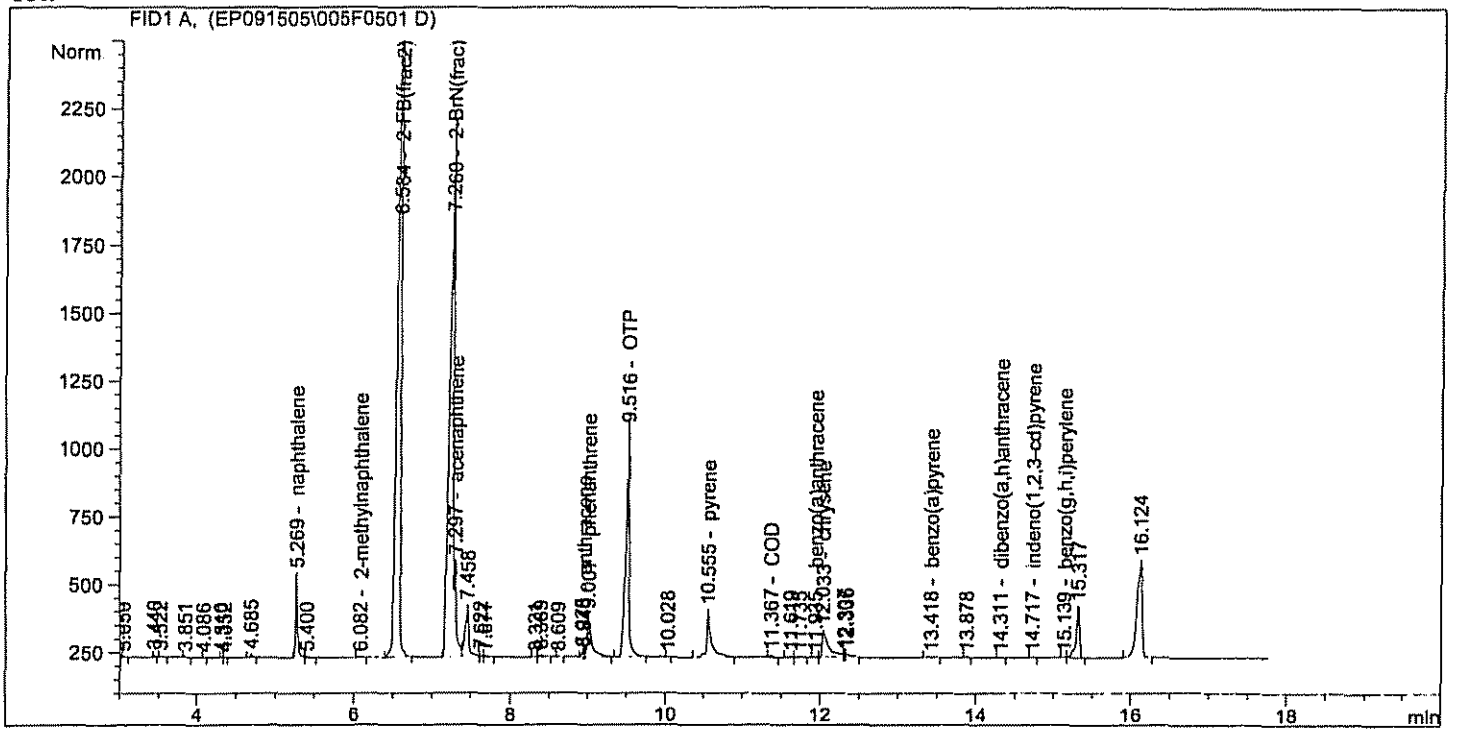
*** End of Report ***

Injection Date	: 9/15/2005 4:04:02 PM	Seq. Line :	5
Sample Name	: 139158 x1 ms R	Location :	Vial 5
Acq. Operator	: DCS	Inj :	1
Acq. Instrument	: GC6	Inj Volume :	10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPH-R_F.M		
Last changed	: 9/16/2005 8:12:09 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	9/16/2005 8:11:47 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	5.269	BV	0.0272	564.94012	0.00070	naphthalene
2	6.082	BB	0.0373	5.65367	7.038e-6	2-methylnaphthalene
3	6.584	PB	0.0461	9463.50586	0.01178	2-FB(frac2)
4	7.158		0.0000	0.00000	0.00000	acenaphthylene
5	7.260	BV	0.0447	7091.51807	0.00883	2-BrN(frac)
6	7.297	VV	0.0286	721.33600	0.00090	acenaphthene
7	7.920		0.0000	0.00000	0.00000	fluorene
8	8.948	VV	0.0201	23.50851	2.927e-5	anthracene
9	9.007	VB	0.0537	633.30908	0.00079	phenanthrene
10	9.516	BB	0.0410	2603.43774	0.00324	OTP
11	10.318		0.0000	0.00000	0.00000	fluoranthene
12	10.555	PB	0.0542	724.52545	0.00090	pyrene

Data File C:\HPCHEM\1\DATA\EP091505\005F0501.D Sample Name: 139158 x1 ms R

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.367	BB	0.0347	22.63808	2.818e-5	COD
14	11.935	PV	0.0425	5.92715	7.379e-6	benzo(a)anthracene
15	12.033	VV	0.0767	585.85443	0.00073	chrysene
16	13.250		0.0000	0.00000	0.00000	benzo(b)fluoranthene
17	13.270		0.0000	0.00000	0.00000	benzo(k)fluoranthene
18	13.418	BB	0.0663	12.03317	1.498e-5	benzo(a)pyrene
19	14.311	BB	0.0321	3.67181	4.571e-6	dibenzo(a,h)anthracene
20	14.717	BB	0.0340	3.99047	4.968e-6	indeno(1,2,3-cd)pyrene
21	15.139	BV	0.0407	4.00112	4.981e-6	benzo(g,h,i)perylene

Totals : 2.24699e4 2.797e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.550	PV	0.0210	198.00095	0.00025	?
2	0.584	VV	0.0199	71.12807	8.855e-5	?
3	0.672	VV S	0.0213	3.61491e5	0.45001	?
4	1.796	VV S	0.9679	7.88728e7	98.18727	?
5	1.851	VV S	0.0192	9.29424e5	1.15702	?
6	1.934	VV S	0.0388	1.21497e4	0.01512	?
7	1.982	VV S	0.0348	1.05782e4	0.01317	?
8	2.024	VV S	0.0303	8414.88086	0.01048	?
9	2.053	VV S	0.0296	7445.62354	0.00927	?
10	2.133	VV S	0.0560	1.63371e4	0.02034	?
11	2.183	VV S	0.0348	9027.12891	0.01124	?
12	2.226	VV S	0.0316	7570.48828	0.00942	?
13	2.259	VV S	0.0301	5755.92529	0.00717	?
14	2.301	VV S	0.0338	7320.86719	0.00911	?
15	2.350	VV S	0.0774	1.34457e4	0.01674	?
16	2.449	VV S	0.0465	9008.45508	0.01121	?
17	2.495	VV S	0.0401	7040.32861	0.00876	?
18	2.538	VV S	0.0258	4719.72705	0.00588	?
19	2.571	VV S	0.0304	5104.57959	0.00635	?
20	2.618	VV S	0.0452	6742.32471	0.00839	?
21	2.657	VV S	0.0288	3338.48779	0.00416	?
22	2.694	VV S	0.0241	1982.45862	0.00247	?
23	2.726	VV S	0.0227	1309.77771	0.00163	?
24	2.756	VB S	0.0403	2024.19702	0.00252	?
25	2.975	BB	0.0191	2.17628	2.709e-6	?
26	3.050	BP	0.0209	5.73944	7.145e-6	?
27	3.440	PB	0.0180	10.09741	1.257e-5	?
28	3.522	BB	0.0298	7.33832	9.135e-6	?
29	3.851	VB	0.0281	9.10796	1.134e-5	?
30	4.086	PB	0.0236	2.04738	2.549e-6	?
31	4.310	BV	0.0178	1.96901	2.451e-6	?
32	4.352	VP	0.0193	2.38106	2.964e-6	?
33	4.685	PB	0.0294	22.56646	2.809e-5	?
34	5.400	VB	0.0518	16.44225	2.047e-5	?
35	7.458	VB	0.0433	638.90869	0.00080	?
36	7.622	BV	0.0384	17.26898	2.150e-5	?
37	7.677	VB	0.0471	17.48038	2.176e-5	?
38	8.321	PV	0.0354	3.45291	4.298e-6	?
39	8.389	VB	0.0499	24.56735	3.058e-5	?
40	8.609	BP	0.0371	2.61441	3.255e-6	?
41	8.925	BV	0.0246	27.30062	3.399e-5	?
42	10.028	PB	0.0227	2.08955	2.601e-6	?
43	11.619	BP	0.0380	14.29636	1.780e-5	?
44	11.735	VP	0.0420	8.53738	1.063e-5	?
45	12.307	VV	0.0220	14.22594	1.771e-5	?
46	12.336	VB	0.0579	46.77882	5.823e-5	?
47	13.878	BB	0.0322	3.95359	4.922e-6	?
48	15.317	VB	0.0433	577.30231	0.00072	?
49	16.124	BB	0.0665	1700.30994	0.00212	?

Data File C:\HPCHEM\1\DATA\EP091505\005F0501.D Sample Name: 139158 x1 ms R

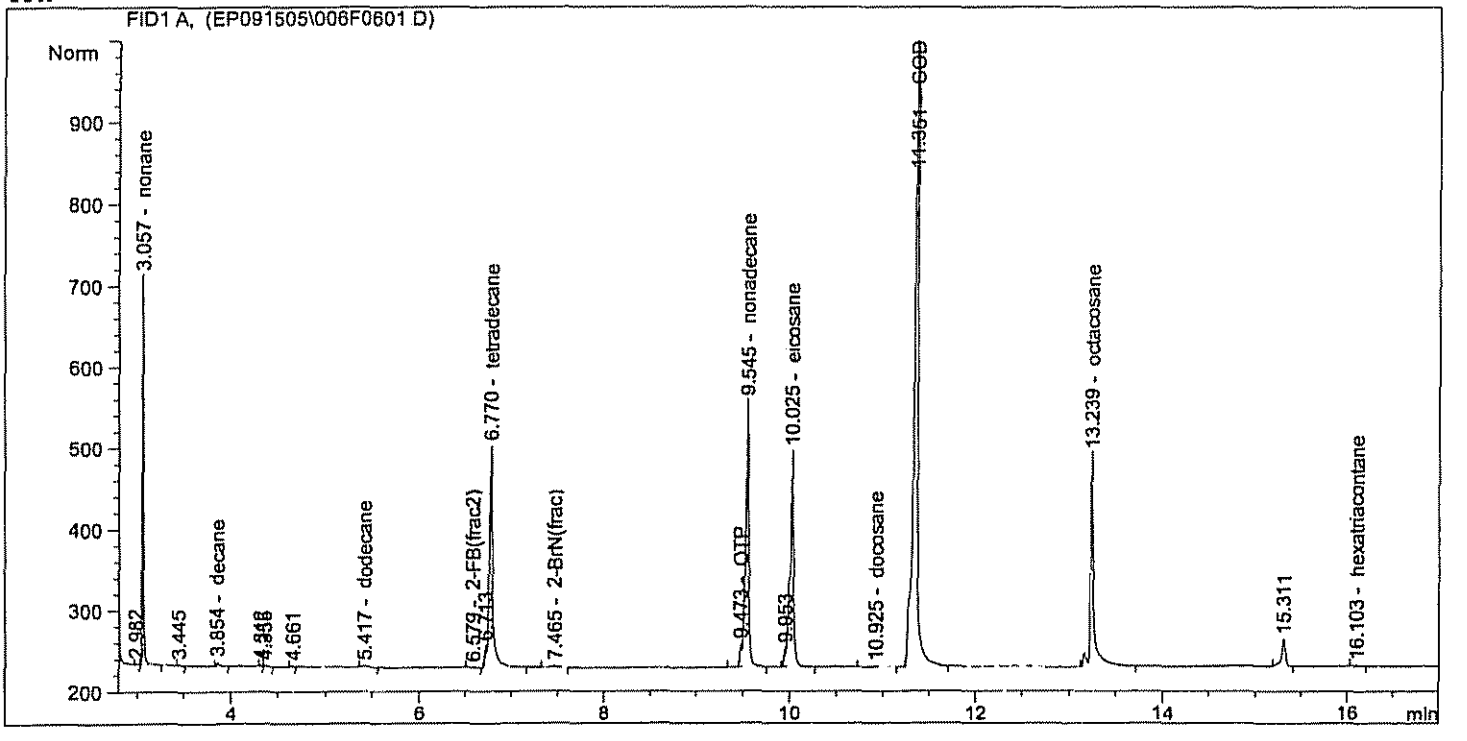
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
Uncalib. totals :				8.03065e7	99.9720	

Results obtained with enhanced integrator!
3 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed

*** End of Report ***

```
==================================================================
Injection Date  : 9/15/2005 4:30:30 PM          Seq. Line :   6
Sample Name     : 139158 x1 msd K                Location : Vial 6
Acq. Operator   : DCS                                 Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\091505.S
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 9/15/2005 1:45:46 PM by DCS
TPH
```




```
==================================================================
                        Area Percent Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      9/15/2005 1:41:18 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,

Peak RetTime  Type   Width     Area      Area    Name
  #   [min]          [min]    [pA*s]      %
----|-------|------|-------|----------|--------|--------------------
   1   3.057 VB     0.0161  497.18274  0.00061 nonane
   2   3.854 VP     0.0272    9.99380 1.224e-5 decane
   3   5.417 BB     0.0455    5.87509 7.197e-6 dodecane
   4   6.579 VP     0.0391    3.16671 3.879e-6 2-FB(frac2)
   5   6.770 VB     0.0384  713.37006  0.00087 tetradecane
   6   7.465 PB     0.0442    7.82001 9.580e-6 2-BrN(frac)
   7   8.095        0.0000    0.00000  0.00000 hexadecane
   8   9.080        0.0000    0.00000  0.00000 octadecane
   9   9.473 PV     0.0242   44.69913 5.476e-5 OTP
  10   9.545 VB     0.0345  801.76611  0.00098 nonadecane
  11  10.025 VB     0.0363  692.91913  0.00085 eicosane
  12  10.925 VP     0.0706    7.12354 8.727e-6 docosane
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.351	BB	0.0401	2735.13428	0.00335	COD
14	11.779		0.0000	0.00000	0.00000	tetracosane
15	12.525		0.0000	0.00000	0.00000	hexacosane
16	13.239	PB	0.0411	699.26440	0.00086	octacosane
17	13.914		0.0000	0.00000	0.00000	triacontane
18	16.103	BB	0.0544	7.05540	8.643e-6	hexatriacontane

Totals : 6225.37040 7.626e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.536	PV	0.0202	125.28889	0.00015	?
2	0.584	VV	0.0176	50.29697	6.162e-5	?
3	1.782	VV S	0.9834	8.05312e7	98.65369	?
4	1.862	VP S	0.0196	9.27082e5	1.13571	?
5	1.917	VV S	0.0863	3.00788e4	0.03685	?
6	1.973	VV S	0.0538	1.55566e4	0.01906	?
7	2.028	VV S	0.0341	9754.04688	0.01195	?
8	2.066	VV S	0.0311	8815.89551	0.01080	?
9	2.113	VV S	0.0364	9207.83301	0.01128	?
10	2.149	VV S	0.0284	7424.16650	0.00909	?
11	2.193	VV S	0.0496	1.04388e4	0.01279	?
12	2.252	VV S	0.0463	1.03345e4	0.01266	?
13	2.298	VV S	0.0322	6940.03613	0.00850	?
14	2.344	VV S	0.0386	8827.46387	0.01081	?
15	2.399	VV S	0.0464	9635.22656	0.01180	?
16	2.464	VV S	0.0485	9461.12793	0.01159	?
17	2.507	VV S	0.0277	4958.77295	0.00607	?
18	2.536	VV S	0.0269	4678.80127	0.00573	?
19	2.575	VV S	0.0290	4606.91797	0.00564	?
20	2.611	VV S	0.0324	5022.34326	0.00615	?
21	2.645	VV S	0.0297	3927.54126	0.00481	?
22	2.686	VV S	0.0487	3526.11841	0.00432	?
23	2.743	VBAS	0.0369	2133.25049	0.00261	?
24	2.982	BP	0.0229	2.04924	2.510e-6	?
25	3.445	PV	0.0230	3.82263	4.683e-6	?
26	4.312	VV	0.0222	3.34694	4.100e-6	?
27	4.355	VB	0.0305	3.11438	3.815e-6	?
28	4.661	VV	0.0311	3.79356	4.647e-6	?
29	6.713	BV	0.0233	40.23126	4.928e-5	?
30	9.953	VV	0.0226	33.73758	4.133e-5	?
31	15.311	BB	0.0468	98.85041	0.00012	?

Uncalib. totals : 8.16240e7 99.9924

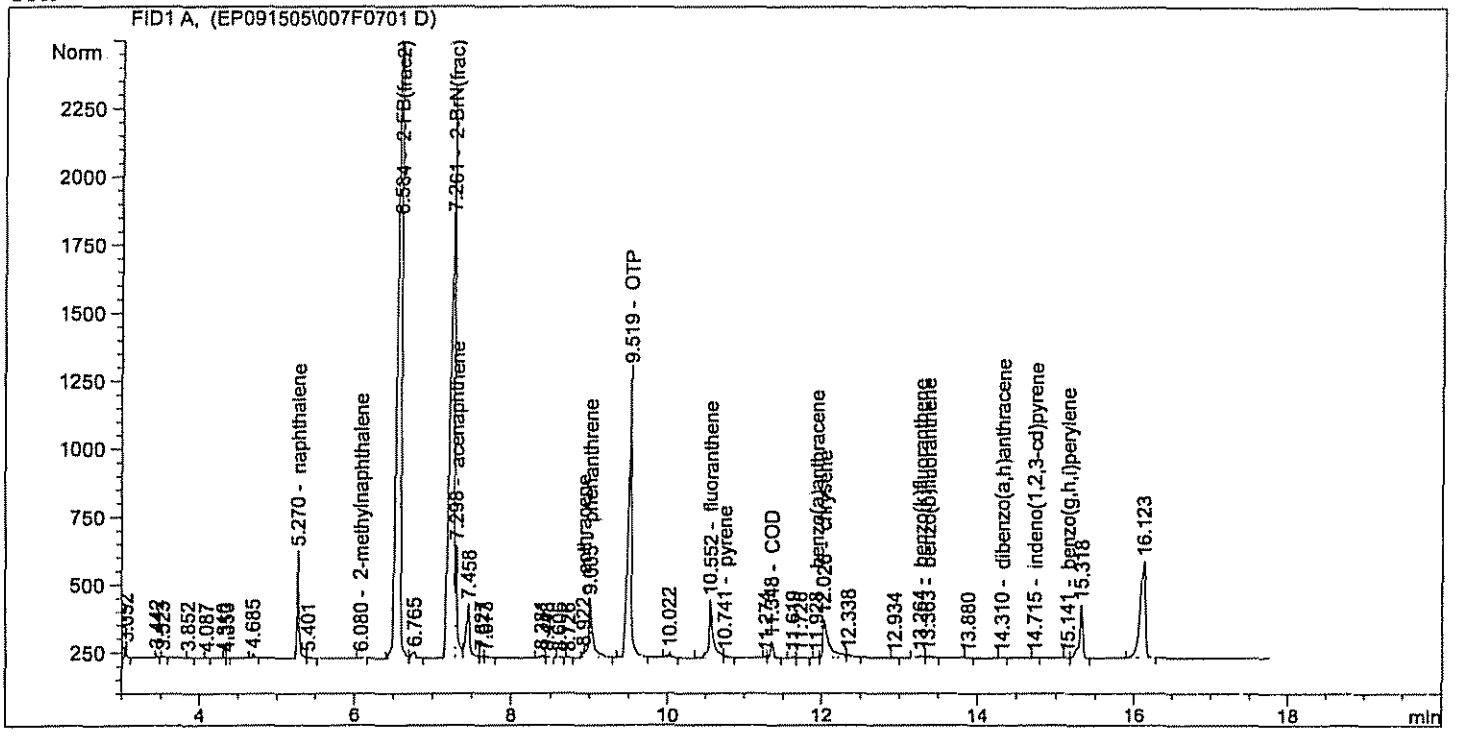
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========
*** End of Report ***

Injection Date	: 9/15/2005 4:57:35 PM	Seq. Line :	7
Sample Name	: 139158 x1 msd R	Location :	Vial 7
Acq. Operator	: DCS	Inj :	1
Acq. Instrument	: GC6	Inj Volume :	10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPH-R_F.M		
Last changed	: 9/16/2005 8:12:09 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	9/16/2005 8:11:47 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	5.270	BB	0.0263	685.06873	0.00085	naphthalene
2	6.080	PB	0.0361	6.08491	7.543e-6	2-methylnaphthalene
3	6.584	BV	0.0427	9636.23633	0.01195	2-FB(frac2)
4	7.158		0.0000	0.00000	0.00000	acenaphthylene
5	7.261	PV	0.0498	7252.23730	0.00899	2-BrN(frac)
6	7.298	VV	0.0266	796.83435	0.00099	acenaphthene
7	7.920		0.0000	0.00000	0.00000	fluorene
8	8.922	BV	0.0224	33.70327	4.178e-5	anthracene
9	9.005	VB	0.0520	803.87195	0.00100	phenanthrene
10	9.519	PB	0.0399	3273.94287	0.00406	OTP
11	10.552	BV	0.0533	822.17255	0.00102	fluoranthene
12	10.741	VB	0.0437	30.09958	3.731e-5	pyrene

Data File C:\HPCHEM\1\DATA\EP091505\007F0701.D Sample Name: 139158 x1 msd R

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.348	VB	0.0420	156.64056	0.00019	COD
14	11.928	PV	0.0404	9.62263	1.193e-5	benzo(a)anthracene
15	12.026	VV	0.0722	764.31415	0.00095	chrysene
16	13.264	BV	0.0599	30.42599	3.772e-5	benzo(k)fluoranthene
17	13.363	VB	0.0645	28.53241	3.537e-5	benzo(b)fluoranthene
18	13.477		0.0000	0.00000	0.00000	benzo(a)pyrene
19	14.310	BB	0.0389	3.89799	4.832e-6	dibenzo(a,h)anthracene
20	14.715	BB	0.0334	3.32160	4.118e-6	indeno(1,2,3-cd)pyrene
21	15.141	BV	0.0393	3.61768	4.485e-6	benzo(g,h,i)perylene

Totals : 2.43406e4 3.017e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.555	PV	0.0236	249.84331	0.00031	?
2	0.668	VV S	0.0185	2.74763e5	0.34060	?
3	1.805	VV S	0.9703	7.92774e7	98.27398	?
4	1.857	VV S	0.0191	9.54034e5	1.18264	?
5	1.919	VV S	0.0603	1.77393e4	0.02199	?
6	1.973	VV S	0.0352	9410.88867	0.01167	?
7	2.023	VV S	0.0477	1.16607e4	0.01445	?
8	2.070	VV S	0.0338	8198.41602	0.01016	?
9	2.124	VV S	0.0391	9423.24707	0.01168	?
10	2.166	VV S	0.0381	8033.06641	0.00996	?
11	2.218	VV S	0.0301	6934.50195	0.00860	?
12	2.255	VV S	0.0357	7156.86182	0.00887	?
13	2.307	VV S	0.0350	7290.78320	0.00904	?
14	2.343	VV S	0.0368	6838.91699	0.00848	?
15	2.403	VV S	0.0376	6843.59912	0.00848	?
16	2.454	VV S	0.0431	7505.09961	0.00930	?
17	2.508	VV S	0.0523	8373.62695	0.01038	?
18	2.568	VV S	0.0488	7022.92041	0.00871	?
19	2.624	VV S	0.0462	6302.68311	0.00781	?
20	2.669	VV S	0.0460	4120.03320	0.00511	?
21	2.748	VB S	0.0413	2754.29590	0.00341	?
22	2.978	PP	0.0188	2.10090	2.604e-6	?
23	3.052	BB	0.0179	39.28537	4.870e-5	?
24	3.442	BB	0.0180	13.21777	1.639e-5	?
25	3.523	BV	0.0280	9.34751	1.159e-5	?
26	3.852	VB	0.0286	9.75252	1.209e-5	?
27	4.087	PB	0.0253	2.55378	3.166e-6	?
28	4.310	BV	0.0184	1.39169	1.725e-6	?
29	4.353	VB	0.0185	2.53473	3.142e-6	?
30	4.685	BB	0.0269	25.49116	3.160e-5	?
31	5.401	BB	0.0505	17.57194	2.178e-5	?
32	6.765	VB	0.0466	77.36272	9.590e-5	?
33	7.458	VV	0.0444	641.01770	0.00079	?
34	7.627	VV	0.0422	21.74588	2.696e-5	?
35	7.673	VB	0.0500	22.71198	2.815e-5	?
36	8.381	BV	0.0445	25.74665	3.192e-5	?
37	8.448	VB	0.0347	6.11145	7.576e-6	?
38	8.606	BB	0.0323	2.47132	3.064e-6	?
39	8.726	PB	0.0278	1.99913	2.478e-6	?
40	10.022	BB	0.0356	43.38923	5.379e-5	?
41	11.274	BV	0.0274	9.58988	1.189e-5	?
42	11.619	BV	0.0335	13.68296	1.696e-5	?
43	11.726	VP	0.0381	9.10695	1.129e-5	?
44	12.338	VB	0.0563	44.11906	5.469e-5	?
45	12.934	BP	0.0308	2.06437	2.559e-6	?
46	13.880	BB	0.0394	3.76193	4.663e-6	?
47	15.318	VB	0.0431	589.37128	0.00073	?
48	16.123	BB	0.0691	1739.29395	0.00216	?

Uncalib. totals : 8.06454e7 99.9698

Results obtained with enhanced integrator!
3 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed

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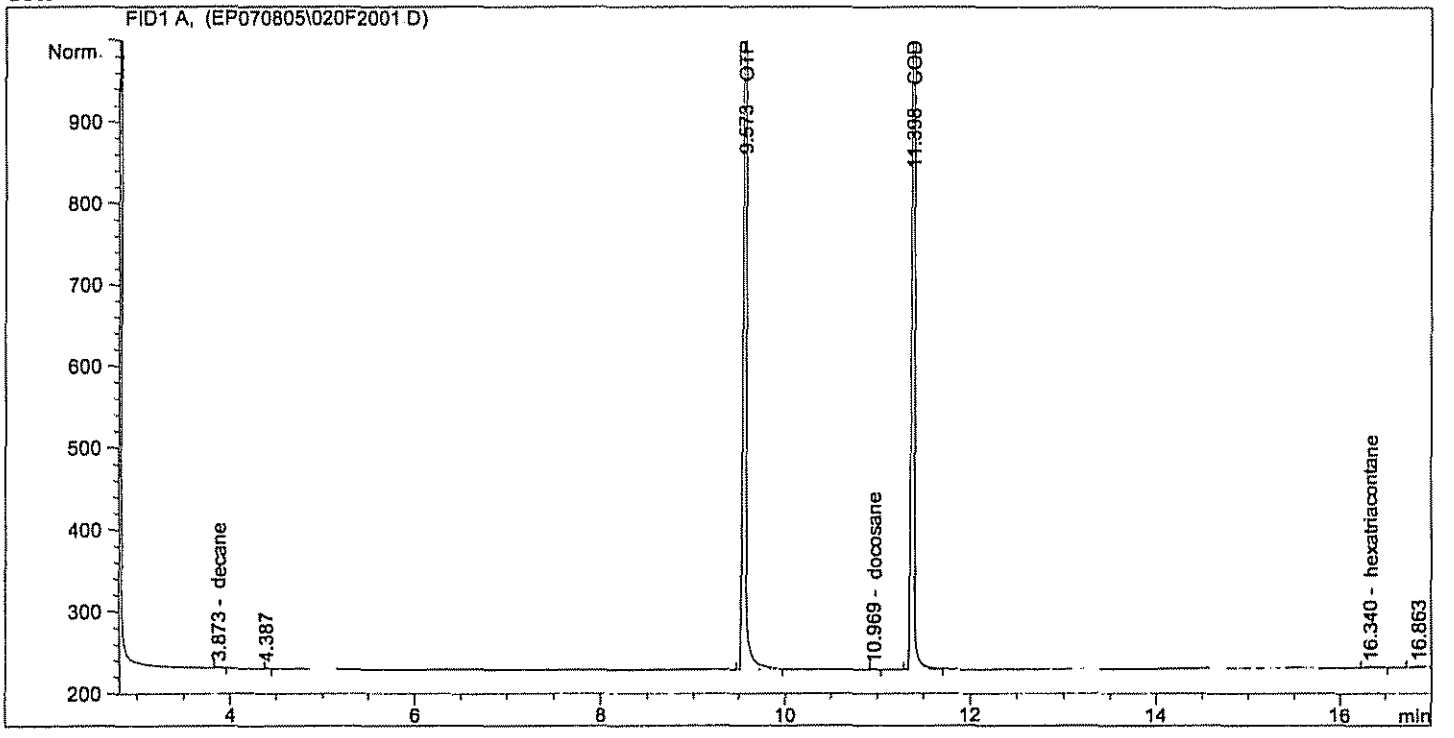
*** End of Report ***

```
==================================================================
Injection Date  : 7/8/2005 5:27:22 PM          Seq. Line :  20
Sample Name     : pb3191 x1 T                   Location : Vial 20
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 9/16/2005 9:37:50 AM by DCS
                  (modified after loading)
```

TPH




```
==================================================================
                        Area Percent Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      9/15/2005 1:41:18 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,

Peak RetTime  Type   Width     Area      Area    Name
  #   [min]          [min]    [pA*s]       %
----|-------|------|-------|----------|--------|--------------------
   1   3.072         0.0000    0.00000  0.00000 nonane
   2   3.873 PB      0.0305    2.79600 4.383e-6 decane
   3   5.410         0.0000    0.00000  0.00000 dodecane
   4   6.610         0.0000    0.00000  0.00000 2-FB(frac2)
   5   6.898         0.0000    0.00000  0.00000 tetradecane
   6   7.485         0.0000    0.00000  0.00000 2-BrN(frac)
   7   8.095         0.0000    0.00000  0.00000 hexadecane
   8   9.080         0.0000    0.00000  0.00000 octadecane
   9   9.551         0.0000    0.00000  0.00000 nonadecane
  10   9.573 VB      0.0245 2911.61450  0.00456 OTP
  11  10.154         0.0000    0.00000  0.00000 eicosane
  12  10.969 BP      0.0298    2.43296 3.814e-6 docosane
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.398	BB	0.0339	2614.91479	0.00410	COD
14	11.779		0.0000	0.00000	0.00000	tetracosane
15	12.525		0.0000	0.00000	0.00000	hexacosane
16	13.242		0.0000	0.00000	0.00000	octacosane
17	13.914		0.0000	0.00000	0.00000	triacontane
18	16.340	PB	0.1079	12.10227	1.897e-5	hexatriacontane

Totals : 5543.86053 8.691e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	1.513	VV S	0.7805	6.06397e7	95.06128	?
2	1.669	VV S	0.0451	2.82663e5	0.44311	?
3	1.711	VV S	0.0307	1.70026e5	0.26654	?
4	1.744	VV S	0.0224	1.15613e5	0.18124	?
5	1.777	VV S	0.0384	1.79561e5	0.28149	?
6	1.834	VV S	0.0405	2.08483e5	0.32683	?
7	1.886	VV S	0.0340	1.81144e5	0.28397	?
8	1.934	VV S	0.0264	1.38195e5	0.21664	?
9	1.979	VV S	0.0339	1.48987e5	0.23356	?
10	2.016	VV S	0.0303	1.33392e5	0.20911	?
11	2.065	VV S	0.0348	1.58701e5	0.24879	?
12	2.108	VV S	0.0272	1.19060e5	0.18664	?
13	2.157	VV S	0.0459	1.61509e5	0.25319	?
14	2.209	VV S	0.0344	1.12208e5	0.17590	?
15	2.241	VV S	0.0310	9.13251e4	0.14316	?
16	2.276	VV S	0.0251	1.02187e5	0.16019	?
17	2.337	VV S	0.0476	1.33180e5	0.20878	?
18	2.382	VV S	0.0511	1.32262e5	0.20734	?
19	2.458	VV S	0.0449	1.28705e5	0.20176	?
20	2.498	VV S	0.0330	8.52656e4	0.13367	?
21	2.524	VV S	0.0235	5.19851e4	0.08149	?
22	2.561	VV S	0.0330	1.14918e5	0.18015	?
23	2.617	VV S	0.0368	9.04894e4	0.14185	?
24	2.650	VV S	0.0200	5.19276e4	0.08140	?
25	2.683	VV S	0.0444	4.30708e4	0.06752	?
26	2.761	VBAS	0.0215	9996.39258	0.01567	?
27	4.387	VP	0.0236	2.39656	3.757e-6	?
28	16.863	PB	0.1268	14.30658	2.243e-5	?

Uncalib. totals : 6.37846e7 99.9913

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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*** End of Report ***

EPH Prep, Standard, Run Logs

Paradigm Analytical

ECD1 Runlog Sheet

Method: _____ Initial Cal. Curve: _____

Matrix: _____ Batch: ep070805

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001F0101.D	K 20 ccal	7/8/05 8:53					DCS	
002F0201.D	R 20 ccal	7/8/05 9:20					DCS	
003F0301.D	lcs3143 x1 K	7/8/05 9:48					DCS	
004F0401.D	lcs3143 x1 R	7/8/05 10:14					DCS	
005F0501.D	lcs3118 x1 K	7/8/05 10:42					DCS	
006F0601.D	lcs3118 x1 R	7/8/05 11:09					DCS	
007F0701.D	G349-106-5D x4 K DUP	7/8/05 11:35	cid= 135242				DCS	
008F0801.D	G349-106-5D x1 R DUP	7/8/05 12:02	cid= 135242				DCS	
009F0901.D	G510-221-1I x50 K MS	7/8/05 12:29	cid= 131481				DCS	
010F1001.D	G510-221-1J x10 R MS	7/8/05 12:56	cid= 131482				DCS	
011F1101.D	lcs3173 x1 K	7/8/05 13:23					DCS	
012F1201.D	lcs3173 x1 R	7/8/05 13:50					DCS	
013F1301.D	lcs3157 x1 K	7/8/05 14:17					DCS	
014F1401.D	lcs3157 x1 R	7/8/05 14:44					DCS	
015F1501.D	G106-527-1H x1 T	7/8/05 15:11	cid= 139155				DCS	✓✓
016F1601.D	G106-527-3H x1 T	7/8/05 15:38	cid= 139157	✓			DCS	
017F1701.D	G161-2054-1H x1 T	7/8/05 16:05	cid= 139160	✓			DCS	
018F1801.D	G161-2055-2G x1 T	7/8/05 16:32	cid= 139162	✓			DCS	
019F1901.D	G197-55-1L x1 T	7/8/05 16:59	cid= 139163				DCS	✓✓
020F2001.D	pb3191 x1 T	7/8/05 17:27					DCS	

Analyst: _____ Page Number: _____

PARADIGM ANALYTICAL LABORATORIES, INC

N.C. CERTIFICATION #481

Paradigm Analytical

ECD1 Runlog Sheet

Method: _____ Initial Cal. Curve: _____

Matrix: _____ Batch: ep071205

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001F0101.D	pb3204	7/12/05 11:44					DCS	
002F0201.D	G510-234-1H x1 T	7/12/05 12:11	cid= 140115				DCS	CV
003F0301.D	G510-234-2H x1 T	7/12/05 12:38	cid= 140124	✓			DCS	
004F0401.D	G510-234-3H x1 T	7/12/05 13:06	cid= 140125	✓			DCS	
005F0501.D	G510-234-4H x1 T	7/12/05 13:32	cid= 140126	✓			DCS	
006F0601.D	G510-234-5H x1 T	7/12/05 13:59	cid= 140127				DCS	CV
007F0701.D	G106-527-1H x1 K	7/12/05 14:54	cid= 139155				DCS	
008F0801.D	G106-527-1H x1 R	7/12/05 15:21	cid= 139155				DCS	
009F0901.D	G106-527-2H x1 K	7/12/05 15:48	cid= 139156				DCS	
010F1001.D	G106-527-2H x1 R	7/12/05 16:16	cid= 139156				DCS	
011F1101.D	G161-2055-1H x1 K	7/12/05 16:43	cid= 139161				DCS	
012F1201.D	G161-2055-1H x1 R	7/12/05 17:10	cid= 139161				DCS	
013F1301.D	G197-55-1L x1 K	7/12/05 17:37	cid= 139163				DCS	
014F1401.D	G197-55-1L x1 R	7/12/05 18:04	cid= 139163				DCS	
015F1501.D	G162-160-4J x1 dup K	7/12/05 18:31	cid= 134504				DCS	
016F1601.D	G162-160-4J x1 dup R	7/12/05 18:58	cid= 134504				DCS	
017F1701.D	lcs3160 x1 K	7/12/05 19:25					DCS	
018F1801.D	lcs3160 x1 R	7/12/05 19:52					DCS	
019F1901.D	G161-2046-3N x1 ms K	7/12/05 20:19	cid= 137512				DCS	
020F2001.D	G161-2046-3N x1 ms R	7/12/05 20:47	cid= 137512				DCS	
021F2101.D	G161-2046-3O x1 msd K	7/12/05 21:14	cid= 137513				DCS	
022F2201.D	G161-2046-3O x1 msd R	7/12/05 21:42	cid= 137513				DCS	

Analyst: _____ Page Number: _____

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

Semi-Volatile Standards Logbook

Paradigm Analytical

Logbook ID: ECD03

Working

Page: W14

Item	PAL STD ID	Exp. Date	Description	Vol. / Wt. Initial	Vol. / Wt. Final	Conc. Initial	Conc. Final	Solvent	New Standard Description	Exp. Date	Date	Init.
A	ECD03-R7E	5/06	DDT Isomer Mix	10mL	10mL	1000ug/mL	1000ug/L	Acetone	DDT Isomer Mix	5/06	5/10/05	[illegible]
B	ECD03-R7F	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
C	ECD03-R7G	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
D	ECD03-R7H	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
E	ECD03-R7I	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
F	ECD03-R7J	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
G	ECD03-R7E	5/06	DDT Isomer Mix Ical	10mL	50mL	100ug/mL	200ug/L	Hexane	Ical Std	5/06	5/11/05	CP
H	↓ -R7F	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
I	-R7G	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
J	-R7H	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
K	-R7I	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
L	-R7J											
M	ECD03-R5Z	8/05	Diesel Std	500mL	25mL	5000ug/mL	1000ug/mL	MeCl2	—	8/05	5/13/05	CP
N	SV03-W17D	8/05	EPH Surr	10mL	↓	400ug/mL	100ug/mL	↓		↓	↓	↓
O	ECD03-WRSA	5/16/06	PCP Matrix Spike	20mL	10mL	1000ug/mL	2000ug/L	MeOH		5/15/05	5/15/05	[illegible]
P	ECD03-R7K	5/16/06	Aromatic Std	800mL	20mL	1000ug/mL	400ug/mL	Hexane		5/16/06	5/16/05	CP
Q	ECD03-W12Q		Frac	800mL	↓	10000ug/mL	4000ug/mL	↓		↓	↓	↓
R	SV03-W17P		EPH Surr	2mL	~~1000~~	400ug/mL	40ug/mL	↓		↓	↓	↓
S	ECD03-R7L	5/26/06	Alphatic Std	1mL	to 25mL	1000ug/mL	40ug/mL	Hexane		5/26/06	5/26/05	CP
T	SV03 W17	—	EPH Surr	2.5mL	25mL	400ug/mL	40ug/mL	↓		↓	↓	↓
U	ECD03-R5T	1/7/06	1016/1260 Std	100mL	25mL	1000ug/mL	400ug/L	Hexane		1/7/06	5/26/05	CP
V	ECD03-R6M		8080 Surr Mix	5mL	↓	2000ug/mL	400ug/L	↓		↓	↓	↓
W	ECD03-		PCP Matrix Spike	20mL	10mL	1000ug/mL	2000ug/L	MeOH		6/21/05	6/21/05	CP

Comments:

Notes: PAL Lot#'s are "yyzz-SVaa-bb-c" where yy is the surrogate or spike test method, zz is SR for a surrogate or QC for a spike, aa is the logbook number,bbb is the page number, and c is the item identifier.

PARADIGM ANALYTICAL LABORATORIES, INC

N.C. CERTIFICATION #481

Semi-Volatile Standards Logbook

Paradigm Analytical

Logbook ID: ECD03

Working

Page: W15

Item	PAL STD ID	Exp. Date	Description	Vol. / Wt. Initial	Vol. / Wt. Final	Conc. Initial	Conc. Final	Solvent	New Standard Description	Exp. Date	Date	Init.
A	ECD03-R7M	6/25/06	EPH Aliphatic	1mL	2 mL	1000ug/mL	40ug/mL	Hex		6/23/06	6/23/05	DC
B	ECD03-R7P	6/27/06	8081 Interval Std	1mL	10mL	100ug/mL	10ug/mL	Hex		6/27/06	6/27/05	CP
C	ECD03-R7R	6/29/06	Diesel Fuel #2	1mL	50mL	50,000ug/mL	1000ug/mL	CH2Cl2		6/29/06	6/29/05	DC
D	ECD03-R6O	8/25/05	EDB Std	17.5mL	50mL	200ug/mL	70ug/L	Hexane		8/25/05	7/12/05	CP
E	ECD03-R7S	7/18/06	Aromatic Std	400mL	~~20mL~~ 10mL	1000ug/mL	40ug/mL	MeX	Aromatic EPH	7/18/06	7/18/05	DC
F	ECD03 W12Q	↓	Frac	400mL	10mL	1000ug/mL	↓	↓	↓	↓	↓	↓
G	SV03-~~R7U~~		EPH Surr	~~2mL~~ 1mL	↓	400ug/mL	↓	↓	↓	↓	↓	↓
H	SV03-R7T	7/21/06	1254 Std	200mL	50mL	1000ug/mL	4000ug/L	Hexane		7/21/06	7/22/05	CP
I			8080 Surr	10mL	↓	2000ug/mL	400ug/L	↓		↓	↓	↓
J	SV03-R7U	7/22/06	1016/1260 Std	200mL	50mL	1000ug/mL	4000ug/L	Hexane		7/22/06	7/22/05	CP
K		↓	8080 Surr	10mL	↓	2000ug/mL	400ug/L	↓		↓	↓	↓
L	SV03-R7V	8/2/06	Herb IS	400mL	10mL	250ug/mL	10ug/mL	Hexane		8/2/06	8/2/05	CP
M	SV03-R7W	8/9/06	8082 IS (DCB)	500mL	10mL	200ug/mL	10ug/mL	Hexane		8/9/06	8/9/05	CP
N	SV03-R7X	8/9/06	8081 ICAL Std	50mL	50mL	200ug/mL	200ug/L	Hexane		8/9/06	8/9/05	CP
O	~~ECD03 SV03~~ -R6U	1/24/06	Herb ICAL Std	50mL	25mL	200ug/mL	400 ug/L	Hexane		1/25	8/18/05	CP
P	ECD03-R6W	12/20/05	↓	↓	↓	2000ug/mL	4000 ug/L	↓	↓	↓	↓	↓
Q	ECD03-R6U	1/19/06				20000ug/mL	40000 ug/L					
R	ECD03-R6R	12/29/05				200ug/mL	400 ug/L					
S	ECD03-R7D	4/21/06	Herb CCAL Std	50mL	25mL	200ug/mL	400ug/L	Hexane		4/06	5/18/06	CP
T	ECD03-R7V	8/9/06	8082/8081 IS	500mL	10mL	200ug/mL	10ug/mL	Hexane		8/06	8/23/05	CP
U	ECD03-R7Y	8/23/06	↓	20mL	↓	5000ug/mL	↓	↓		↓	↓	↓
V	ECD03-R7Z	9/6/06	1016/1260 Std	200mL	50mL	1000ug/mL	4000ug/L	Hexane		9/6/06	9/6/05	CP
W	–	—	8081 Surr	10mL	↓	2000ug/mL	400 ug/L	↓		↓	↓	↓

Comments:

Notes: PAL Lot#'s are "yyzz-SVaa-bb-c" where yy is the surrogate or spike test method, zz is SR for a surrogate or QC for a spike, aa is the logbook number,bbb is the page number, and c is the item identifier.

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

Prep Report for Batch 3191 (EPH/3540/SOIL) on 2005-07-08

Sample ID	EXT	InitWt	QCSpikeID	QCSpikeVol	SSpikeID	SSpikeVol	FinalVol	CH2Cl2Lot	HexaneLot	Analyst
G106-527-1H		13.82			EPHSRSV03W17K	1.0	10.0	CO196	CO232	eaw
G106-527-2H		13.33			EPHSRSV03W17K	1.0	10.0	CO196	CO232	eaw
G106-527-3H		12.71			EPHSRSV03W17K	1.0	10.0	CO196	CO232	eaw
G106-527-3I	MS	13.65	EPHQCSV03N34	1.0	EPHSRSV03W17K	1.0	10.0	CO196	CO232	eaw
G106-527-3J	MSD	12.45	EPHQCSV03N34	1.0	EPHSRSV03W17K	1.0	10.0	CO196	CO232	eaw
G161-2054-1H		12.68			EPHSRSV03W17K	1.0	10.0	CO196	CO232	eaw
G161-2055-1H		12.56			EPHSRSV03W17K	1.0	10.0	CO196	CO232	eaw
G161-2055-2G		12.01			EPHSRSV03W17K	1.0	10.0	CO196	CO232	eaw
G197-55-1L		13.38			EPHSRSV03W17K	1.0	10.0	CO196	CO232	eaw
LCS3191	LCS	12.0	EPHQCSV03N34	1.0	EPHSRSV03W17K	1.0	10.0	CO196	CO232	eaw
PB3191	PB	12.0			EPHSRSV03W17K	1.0	10.0	CO196	CO232	eaw

N.C. CERTIFICATION #481

Mr. Jason Ricks
ECS
6909 International Drive
Greensboro NC 27409

Report Number: G161-2085

Client Project: Elm Street, LLC.

Dear Mr. Ricks:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
Paradigm Analytical Laboratories, Inc.

8-8-01

Laboratory Director Date
J. Patrick Weaver

CASE NARRATIVE

Date: November 8, 2005

ECS Project ID: Elm St., LLC
Paradigm Analytical ID: G161-2085

One water sample and one equipment blank were received at the laboratory July 23 for analysis as indicated on the chain of custody. The samples were received in good condition, within temperature and holding time limits.

All extractions were completed within holding time. The quality control results and exceptions are addressed by parameter in the following discussion.

Volatiles by 601/602

All surrogates passed acceptance limits.

The blanks were free of target analytes.

The MS/MSD and LCS passed all recovery criteria.

504.1

The blank was free of the target analyte.

The MS/MSD and LCS passed all recovery criteria.

VPH

Sample GMW-1 had a surrogate failure due to matrix interference. The other samples passed acceptance criteria.

The blank was free of the target analyte.

The MS/MSD pair passed all acceptance limits.

The LCS passed acceptance limits.

EPH

The samples passed surrogate spike limits.

The blank was free of the target analyte.

The MS/MSD failed RPD limit and the MS had recovery above limit. The MSD recovered within limit. The failures appear to be due to sample non-homogeneity.

The batch was validated with the passing LCS recoveries.

625BN

The samples passed surrogate spike limits.

The blank was free of the target analytes.

There were some failures in the MS/MSD pair.

The batch was validated with the passing LCS recoveries.

Metals

The blank was free of the target analyte.

The MS/MSD pair passed all acceptance limits.

The LCS passed acceptance limits.

List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit

DF = Dilution Factor

Dup = Duplicate

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 47801

Page 1 of 1

Client: ECS, Ltd **Project ID:** Elm St, LLC **Date:** 7/22/05 **Report To:** jricks@ecslimited.com
Address: 6909 International Dr, #3 **Contact:** Jason Ricks **Turnaround:** Standard
Address: Greensboro, NC 27409 **Phone:** (336) 856-7150 **Job Number:** 6-9506
Quote #: 1842 **Fax:** 856-7160 **P.O. Number:** **Invoice To:**

Sample ID	Date	Time	Matrix	Preservatives: None	HCL	HNO_3		Analyses: 601/602	EPH	VPH	625 BN+10 TICS	3030C Lead	504.1 EDB					Comments: Please specify any special reporting requirements
EMW-1	7/22/05	1:35	GW	X	X	X		X	X	X	X	X	X					City of Greensboro Project
Equip Blank-4	↓	1:10	GW		X			X										
																		G161-2085

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
[signature]	7/22/05	4:30	[signature]	7/23/05	1035	0.3°	NC (X) SC ____ Other ____
							SEE REVERSE FOR TERMS AND CONDITIONS

Results for Volatiles
by GC 601

Client Sample ID: EMW-1
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-1A
Lab Project ID: G161-2085

Analyzed By: MJC
Date Collected: 7/22/2005 13:35
Date Received: 7/23/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/26/2005
Bromoform	BQL	2.00	1	7/26/2005
Bromomethane	BQL	1.00	1	7/26/2005
Carbon tetrachloride	BQL	1.00	1	7/26/2005
Chlorobenzene	BQL	1.00	1	7/26/2005
Chloroethane	BQL	1.00	1	7/26/2005
Chloroform	BQL	1.00	1	7/26/2005
Chloromethane	BQL	1.00	1	7/26/2005
Dibromochloromethane	BQL	1.00	1	7/26/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/26/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,1-Dichloroethane	BQL	1.00	1	7/26/2005
1,2-Dichloroethane	BQL	1.00	1	7/26/2005
1,1-Dichloroethene	BQL	1.00	1	7/26/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
1,2-Dichloropropane	BQL	1.00	1	7/26/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
Methylene Chloride	BQL	5.00	1	7/26/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/26/2005
Tetrachloroethene	BQL	1.00	1	7/26/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/26/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/26/2005
Trichloroethene	BQL	1.00	1	7/26/2005
Trichlorofluoromethane	BQL	1.00	1	7/26/2005
Vinyl Chloride	BQL	1.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	38.2	95.6

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 601

Client Sample ID: Equip Blank-4
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-2A
Lab Project ID: G161-2085

Analyzed By: MJC
Date Collected: 7/22/2005 13:10
Date Received: 7/23/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/26/2005
Bromoform	BQL	2.00	1	7/26/2005
Bromomethane	BQL	1.00	1	7/26/2005
Carbon tetrachloride	BQL	1.00	1	7/26/2005
Chlorobenzene	BQL	1.00	1	7/26/2005
Chloroethane	BQL	1.00	1	7/26/2005
Chloroform	BQL	1.00	1	7/26/2005
Chloromethane	BQL	1.00	1	7/26/2005
Dibromochloromethane	BQL	1.00	1	7/26/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/26/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,1-Dichloroethane	BQL	1.00	1	7/26/2005
1,2-Dichloroethane	BQL	1.00	1	7/26/2005
1,1-Dichloroethene	BQL	1.00	1	7/26/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
1,2-Dichloropropane	BQL	1.00	1	7/26/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
Methylene Chloride	BQL	5.00	1	7/26/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/26/2005
Tetrachloroethene	BQL	1.00	1	7/26/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/26/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/26/2005
Trichloroethene	BQL	1.00	1	7/26/2005
Trichlorofluoromethane	BQL	1.00	1	7/26/2005
Vinyl Chloride	BQL	1.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	38.1	95.2

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: PNV

Results for Volatiles
by GC 601

Client Sample ID: Trip Blank
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-3A
Lab Project ID: G161-2085

Analyzed By: MJC
Date Collected: 7/22/2005 0:00
Date Received: 7/23/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/26/2005
Bromoform	BQL	2.00	1	7/26/2005
Bromomethane	BQL	1.00	1	7/26/2005
Carbon tetrachloride	BQL	1.00	1	7/26/2005
Chlorobenzene	BQL	1.00	1	7/26/2005
Chloroethane	BQL	1.00	1	7/26/2005
Chloroform	BQL	1.00	1	7/26/2005
Chloromethane	BQL	1.00	1	7/26/2005
Dibromochloromethane	BQL	1.00	1	7/26/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/26/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,1-Dichloroethane	BQL	1.00	1	7/26/2005
1,2-Dichloroethane	BQL	1.00	1	7/26/2005
1,1-Dichloroethene	BQL	1.00	1	7/26/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
1,2-Dichloropropane	BQL	1.00	1	7/26/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
Methylene Chloride	BQL	5.00	1	7/26/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/26/2005
Tetrachloroethene	BQL	1.00	1	7/26/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/26/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/26/2005
Trichloroethene	BQL	1.00	1	7/26/2005
Trichlorofluoromethane	BQL	1.00	1	7/26/2005
Vinyl Chloride	BQL	1.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	37.4	93.5

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 601

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK3072605A
Lab Project ID:

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/26/2005
Bromoform	BQL	2.00	1	7/26/2005
Bromomethane	BQL	1.00	1	7/26/2005
Carbon tetrachloride	BQL	1.00	1	7/26/2005
Chlorobenzene	BQL	1.00	1	7/26/2005
Chloroethane	BQL	1.00	1	7/26/2005
Chloroform	BQL	1.00	1	7/26/2005
Chloromethane	BQL	1.00	1	7/26/2005
Dibromochloromethane	BQL	1.00	1	7/26/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/26/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,1-Dichloroethane	BQL	1.00	1	7/26/2005
1,2-Dichloroethane	BQL	1.00	1	7/26/2005
1,1-Dichloroethene	BQL	1.00	1	7/26/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
1,2-Dichloropropane	BQL	1.00	1	7/26/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
Methylene Chloride	BQL	5.00	1	7/26/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/26/2005
Tetrachloroethene	BQL	1.00	1	7/26/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/26/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/26/2005
Trichloroethene	BQL	1.00	1	7/26/2005
Trichlorofluoromethane	BQL	1.00	1	7/26/2005
Vinyl Chloride	BQL	1.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	38.3	95.8

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Paradigm Analytical Laboratories, INC.

IV

601 METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK3072605A

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab Sample ID: VBLK3072605A Lab File ID: 006F0101.D

Date Analyzed: 2005-07-26 Instrument ID: GC3

Time Analyzed: 11:27 GC Column:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	Trip Blank	G161-2085-3A	007F0101.D	2005-07-26 11:58
02	Equip Blank-4	G161-2085-2A	008F0101.D	2005-07-26 12:29
03	EMW-1	G161-2085-1A	009F0101.D	2005-07-26 13:00
04	G161-2085-1B DUP	G161-2085-1B DUP	010F0101.D	2005-07-26 13:31
05				
06				
07				
08				
09				
10				
11				
12				
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34				

COMMENTS: _____

Paradigm Analytical Laboratories, INC.

II

601 SURROGATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	S1 (DCB) #	QC LIMITS	TOT OUT
01	EMW-1	G161-2085-1A	009F0101.D	95.6	70 - 130	0
02	Equip Blank-4	G161-2085-2A	008F0101.D	95.2	70 - 130	0
03	Trip Blank	G161-2085-3A	007F0101.D	93.5	70 - 130	0
04						
05						
06						
07						
08						
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33						
34						
35						

S1 (DCB) = 1,4-dichlorobutane

Control Limits for QC Check / Laboratory Control Spike

Method : 601 **Spike[ppb] : 10**
Instrument : gc3
Filename : 072605\004f0101.txt

				QC Limits			LCS Limits	
	Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
	Bromodichloromethane	10.5	105.0	76.0	124.0	105	42	172
	Bromoform	9.7	96.5	73.5	126.5	97	13	159
	Bromomethane	9.1	91.3	58.5	141.5	91	D	144
	Carbon tetrachloride	11.2	112.2	68.5	131.5	112	43	143
	Chlorobenzene	10.7	106.8	72.0	128.0	107	38	150
	Chloroethane	10.0	100.4	77.0	123.0	100	46	137
	Chloroform	10.7	107.4	75.0	125.0	107	49	133
	Chloromethane	10.3	103.2	59.5	140.5	103	D	193
	Dibromochloromethane	10.2	102.3	65.5	134.5	102	24	191
•	1,2-Dibromoethane	10.1	100.7	13.6	186.4	101	D	206
	1,2-Dichlorobenzene	10.8	107.9	70.0	130.0	108	D	208
	1,3-Dichlorobenzene	10.9	108.6	49.5	150.5	109	7	187
	1,4-Dichlorobenzene	11.0	109.6	69.5	130.5	110	42	143
	1,1-Dichloroethane	10.8	108.0	84.0	116.0	108	47	132
	1,2-Dichloroethane	10.5	105.4	71.5	128.5	105	51	147
	1,1-Dichloroethene	10.6	106.0	63.0	137.0	106	28	167
•	cis-1,2-Dichloroethene	10.8	108.1	34.4	180.6	108	19	181
	trans-1,2-Dichloroethene	10.8	108.4	64.0	136.0	108	38	155
	1,2-Dichloropropane	10.7	107.5	74.0	126.0	107	44	156
	cis-1,3-Dichloropropene	10.4	104.3	64.0	136.0	104	22	178
	trans-1,3-Dichloropropene	9.7	97.4	64.0	136.0	97	22	178
	Methylene Chloride	10.6	106.3	77.5	122.5	106	25	162
	1,1,2,2-Tertrachloroethane	10.3	102.9	49.0	151.0	103	8	184
	Tetrachloroethane	11.0	110.4	70.0	130.0	110	26	162
	1,1,1-Trichloroethane	10.9	109.4	71.0	129.0	109	41	138
	1,1,2-Trichloroethane	10.1	101.4	78.5	121.5	101	39	136
	Trichloroethene	11.2	112.2	77.0	123.0	112	35	146
	Trichlorofluromethane	10.1	100.6	66.5	133.5	101	21	156
	Vinyl Chloride	10.2	101.7	68.5	131.5	102	28	163

Method: 602 **Spike[ppb] : 10**
Instrument : gc3
Filename : 072605\004r0101.txt

				QC Limits			LCS Limits	
	Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
	Benzene	10.3	102.8	77.0	123.0	103	39	150
	Chlorobenzene	10.1	100.9	80.5	119.5	101	55	135
	1,2-Dichlorobenzene	10.3	103.5	68.0	132.0	103	37	154
	1,3-Dichlorobenzene	10.0	100.3	72.5	127.5	100	50	141
	1,4-Dichlorobenzene	10.1	101.1	69.5	130.5	101	42	143
•	Diisopropyl ether	9.9	99.3	43.1	156.9	99	30	170
	Ethylbenzene	10.4	104.2	63.0	137.0	104	32	160
•	MTBE	10.2	102.0	46.8	153.2	102	35	165
	Toluene	10.3	103.1	77.5	127.0	103	46	148
•	m,p-Xylene	21.2	105.9	11.2	188.8	106	D	239
•	o-Xylene	10.4	104.3	47.6	152.4	104	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected

Reviewed by: [illegible]

Control Limits for MS-MSD

Method : 601 **Spike[ppb] :** 10
Instrument : gc3
Sample : 072605\018f0101.txt
MS : 072605\019f0101.txt
MSD : 072605\020f0101.txt

5

	µg/L			P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Bromodichloromethane	ND	11.3	11.2	113	112	42	172
Bromoform	ND	9.1	8.9	91	89	13	159
Bromomethane	ND	10.7	11.0	107	110	D	144
Carbon tetrachloride	ND	13.6	13.4	136	134	43	143
Chlorobenzene	ND	11.5	11.1	115	111	38	150
Chloroethane	ND	12.1	12.1	121	121	46	137
Chloroform	ND	12.4	12.1	124	121	49	133
Chloromethane	ND	12.1	11.8	121	118	D	193
Dibromochloromethane	ND	10.0	10.0	100	100	24	191
• 1,2-Dibromoethane	ND	10.3	9.9	103	99	D	206
1,2-Dichlorobenzene	ND	10.5	10.3	105	103	D	208
1,3-Dichlorobenzene	ND	11.2	10.8	112	108	7	187
1,4-Dichlorobenzene	ND	11.0	10.8	110	108	42	143
1,1-Dichloroethane	ND	12.7	12.4	127	124	47	132
1,2-Dichloroethane	ND	10.8	10.4	108	104	51	147
1,1-Dichloroethene	ND	14.0	13.6	136	132	28	187
• cis-1,2-Dichloroethene	22.68	32.8	32.6	101	99	19	181
trans-1,2-Dichloroethene	ND	13.6	13.2	136	132	38	155
1,2-Dichloropropane	ND	12.3	12.0	122	120	44	156
cis-1,3-Dichloropropene	ND	10.8	10.6	108	106	22	178
trans-1,3-Dichloropropene	ND	9.3	9.2	89	88	22	178
Methylene Chloride	ND	11.5	11.2	115	112	25	162
1,1,2,2-Tertrachloroethane	ND	9.7	9.5	97	95	8	184
Tetrachloroethane	ND	12.5	12.2	125	122	26	162
1,1,1-Trichloroethane	ND	13.3	13.1	133	131	41	138
1,1,2-Trichloroethane	ND	10.0	9.7	100	97	39	136
Trichloroethene	25.66	36.2	35.5	106	99	35	146
Trichlorofluromethane	ND	12.2	11.9	122	119	21	156
Vinyl Chloride	5.89	17.5	17.8	117	119	28	163

Method: 602 **Spike[ppb] :** 10
Instrument : gc3
Sample : 072605\018r0101.txt
MS : 072605\019r0101.txt
MSD : 072605\020r0101.txt

	µg/L			P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Benzene	ND	10.4	10.3	104	103	39	150
Chlorobenzene	ND	9.6	9.5	96	95	55	135
1,2-Dichlorobenzene	ND	9.6	9.6	96	96	37	154
1,3-Dichlorobenzene	ND	9.0	8.9	90	89	50	141
1,4-Dichlorobenzene	ND	9.0	8.9	90	89	42	143
• Diisopropyl ether	ND	9.3	9.1	93	91	30	170
Ethylbenzene	ND	10.7	10.6	107	106	32	160
• MTBE	ND	10.7	10.5	105	104	35	165
Toluene	ND	10.5	10.4	105	104	46	148
• m,p-Xylene	ND	21.5	21.2	107	106	D	239
• o-Xylene	ND	9.9	9.8	99	98	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected
ND = None Detected

Reviewed by: [illegible]

Results for Volatiles
by GC 602

Client Sample ID:	EMW-1	Analyzed By:	MJC
Client Project ID:	Elm Street, LLC.	Date Collected:	7/22/2005 13:35
Lab Sample ID:	G161-2085-1A	Date Received:	7/23/2005
Lab Project ID:	G161-2085	Matrix:	Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2005
Ethylbenzene	BQL	1.00	1	7/26/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2005
Toluene	BQL	1.00	1	7/26/2005
m/p-Xylene	BQL	2.00	1	7/26/2005
o-Xylene	BQL	2.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.0	102

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: Equip Blank-4
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-2A
Lab Project ID: G161-2085

Analyzed By: MJC
Date Collected: 7/22/2005 13:10
Date Received: 7/23/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2005
Ethylbenzene	BQL	1.00	1	7/26/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2005
Toluene	BQL	1.00	1	7/26/2005
m/p-Xylene	BQL	2.00	1	7/26/2005
o-Xylene	BQL	2.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.0	102

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID:	Trip Blank	Analyzed By:	MJC
Client Project ID:	Elm Street, LLC.	Date Collected:	7/22/2005 0:00
Lab Sample ID:	G161-2085-3A	Date Received:	7/23/2005
Lab Project ID:	G161-2085	Matrix:	Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2005
Ethylbenzene	BQL	1.00	1	7/26/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2005
Toluene	BQL	1.00	1	7/26/2005
m/p-Xylene	BQL	2.00	1	7/26/2005
o-Xylene	BQL	2.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.8	102

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: RNV

Results for Volatiles
by GC 602

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK3072605A
Lab Project ID:

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2005
Ethylbenzene	BQL	1.00	1	7/26/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2005
Toluene	BQL	1.00	1	7/26/2005
m/p-Xylene	BQL	2.00	1	7/26/2005
o-Xylene	BQL	2.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.9	102

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Paradigm Analytical Laboratories, INC.

IV

6C2 METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK3072605A

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab Sample ID: VBLK3072605A Lab File ID: 006R0101.D

Date Analyzed: 2005-07-26 Instrument ID: GC3

Time Analyzed: 11:37 GC Column:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	Trip Blank	G161-2085-3A	007R0101.D	2005-07-26 11:58
02	Equip Blank-4	G161-2085-2A	008R0101.D	2005-07-26 12:29
03	EMW-1	G161-2085-1A	009R0101.D	2005-07-26 13:00
04	G161-2085-1B DUP	G161-2085-1B DUP	010R0101.D	2005-07-26 13:31
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
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COMMENTS: _____

Paradigm Analytical Laboratories, INC.

II

602 SURROGATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	S1 (TFT) #	QC LIMITS	TOT OUT
01	EMW-1	G161-2085-1A	009R0101.D	102	70 - 130	0
02	Equip Blank-4	G161-2085-2A	008R0101.D	102	70 - 130	0
03	Trip Blank	G161-2085-3A	007R0101.D	102	70 - 130	0
04						
05						
06						
07						
08						
09						
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S1 (TFT) = trifluorotoluene

Control Limits for QC Check / Laboratory Control Spike

Method : 601 **Spike[ppb] : 10**
Instrument : gc3
Filename : 072605\004f0101.txt

			QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Bromodichloromethane	10.5	105.0	76.0	124.0	105	42	172
Bromoform	9.7	96.5	73.5	126.5	97	13	159
Bromomethane	9.1	91.3	58.5	141.5	91	D	144
Carbon tetrachloride	11.2	112.2	68.5	131.5	112	43	143
Chlorobenzene	10.7	106.8	72.0	128.0	107	38	150
Chloroethane	10.0	100.4	77.0	123.0	100	46	137
Chloroform	10.7	107.4	75.0	125.0	107	49	133
Chloromethane	10.3	103.2	59.5	140.5	103	D	193
Dibromochloromethane	10.2	102.3	65.5	134.5	102	24	191
• 1,2-Dibromoethane	10.1	100.7	13.6	186.4	101	D	206
1,2-Dichlorobenzene	10.8	107.9	70.0	130.0	108	D	208
1,3-Dichlorobenzene	10.9	108.6	49.5	150.5	109	7	187
1,4-Dichlorobenzene	11.0	109.6	69.5	130.5	110	42	143
1,1-Dichloroethane	10.8	108.0	84.0	116.0	108	47	132
1,2-Dichloroethane	10.5	105.4	71.5	128.5	105	51	147
1,1-Dichloroethene	10.6	106.0	63.0	137.0	106	28	167
• cis-1,2-Dichloroethene	10.8	108.1	34.4	180.6	108	19	181
trans-1,2-Dichloroethene	10.8	108.4	64.0	136.0	108	38	155
1,2-Dichloropropane	10.7	107.5	74.0	126.0	107	44	156
cis-1,3-Dichloropropene	10.4	104.3	64.0	136.0	104	22	178
trans-1,3-Dichloropropene	9.7	97.4	64.0	136.0	97	22	178
Methylene Chloride	10.6	106.3	77.5	122.5	106	25	162
1,1,2,2-Tertrachloroethane	10.3	102.9	49.0	151.0	103	8	184
Tetrachloroethane	11.0	110.4	70.0	130.0	110	26	162
1,1,1-Trichloroethane	10.9	109.4	71.0	129.0	109	41	138
1,1,2-Trichloroethane	10.1	101.4	78.5	121.5	101	39	136
Trichloroethene	11.2	112.2	77.0	123.0	112	35	146
Trichlorofluromethane	10.1	100.6	66.5	133.5	101	21	156
Vinyl Chloride	10.2	101.7	68.5	131.5	102	28	163

Method: 602 **Spike[ppb] : 10**
Instrument : gc3
Filename : 072605\004r0101.txt

			QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Benzene	10.3	102.8	77.0	123.0	103	39	150
Chlorobenzene	10.1	100.9	80.5	119.5	101	55	135
1,2-Dichlorobenzene	10.3	103.5	68.0	132.0	103	37	154
1,3-Dichlorobenzene	10.0	100.3	72.5	127.5	100	50	141
1,4-Dichlorobenzene	10.1	101.1	69.5	130.5	101	42	143
• Diisopropyl ether	9.9	99.3	43.1	156.9	99	30	170
Ethylbenzene	10.4	104.2	63.0	137.0	104	32	160
• MTBE	10.2	102.0	46.8	153.2	102	35	165
Toluene	10.3	103.1	77.5	127.0	103	46	148
• m,p-Xylene	21.2	105.9	11.2	188.8	106	D	239
• o-Xylene	10.4	104.3	47.6	152.4	104	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected

Reviewed by: _____

Control Limits for MS-MSD

Method : 601 **Spike[ppb] :** 10
Instrument : gc3
Sample : 072605\018f0101.txt
MS : 072605\019f0101.txt
MSD : 072605\020f0101.txt

5

	µg/L			P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Bromodichloromethane	ND	11.3	11.2	113	112	42	172
Bromoform	ND	9.1	8.9	91	89	13	159
Bromomethane	ND	10.7	11.0	107	110	D	144
Carbon tetrachloride	ND	13.6	13.4	136	134	43	143
Chlorobenzene	ND	11.5	11.1	115	111	38	150
Chloroethane	ND	12.1	12.1	121	121	46	137
Chloroform	ND	12.4	12.1	124	121	49	133
Chloromethane	ND	12.1	11.8	121	118	D	193
Dibromochloromethane	ND	10.0	10.0	100	100	24	191
• 1,2-Dibromoethane	ND	10.3	9.9	103	99	D	206
1,2-Dichlorobenzene	ND	10.5	10.3	105	103	D	208
1,3-Dichlorobenzene	ND	11.2	10.8	112	108	7	187
1,4-Dichlorobenzene	ND	11.0	10.8	110	108	42	143
1,1-Dichloroethane	ND	12.7	12.4	127	124	47	132
1,2-Dichloroethane	ND	10.8	10.4	108	104	51	147
1,1-Dichloroethene	ND	14.0	13.6	136	132	28	167
• cis-1,2-Dichloroethene	22.68	32.8	32.6	101	99	19	181
trans-1,2-Dichloroethene	ND	13.6	13.2	136	132	38	155
1,2-Dichloropropane	ND	12.3	12.0	122	120	44	156
cis-1,3-Dichloropropene	ND	10.8	10.6	108	106	22	178
trans-1,3-Dichloropropene	ND	9.3	9.2	89	88	22	178
Methylene Chloride	ND	11.5	11.2	115	112	25	162
1,1,2,2-Tertrachloroethane	ND	9.7	9.5	97	95	8	184
Tetrachloroethane	ND	12.5	12.2	125	122	26	162
1,1,1-Trichloroethane	ND	13.3	13.1	133	131	41	138
1,1,2-Trichloroethane	ND	10.0	9.7	100	97	39	136
Trichloroethene	25.66	36.2	35.5	106	99	35	146
Trichlorofluromethane	ND	12.2	11.9	122	119	21	156
Vinyl Chloride	5.89	17.5	17.8	117	119	28	163

Method: 602 **Spike[ppb] :** 10
Instrument : gc3
Sample : 072605\018r0101.txt
MS : 072605\019r0101.txt
MSD : 072605\020r0101.txt

	µg/L			P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Benzene	ND	10.4	10.3	104	103	39	150
Chlorobenzene	ND	9.6	9.5	96	95	55	135
1,2-Dichlorobenzene	ND	9.6	9.6	96	96	37	154
1,3-Dichlorobenzene	ND	9.0	8.9	90	89	50	141
1,4-Dichlorobenzene	ND	9.0	8.9	90	89	42	143
• Diisopropyl ether	ND	9.3	9.1	93	91	30	170
Ethylbenzene	ND	10.7	10.6	107	106	32	160
• MTBE	ND	10.7	10.5	106	104	35	165
Toluene	ND	10.5	10.4	105	104	46	148
• m,p-Xylene	ND	21.5	21.2	107	106	D	239
• o-Xylene	ND	9.9	9.8	99	98	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected
ND = None Detected

Reviewed by: _____

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: EMW-1
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-1L
Lab Project ID: G161-2085

Analyzed By: MRC
Date Collected: 7/22/2005 13:35
Date Received: 7/23/2005
Date Extracted: 7/26/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	7/28/2005
Acenaphthylene	BQL	10.0	1	7/28/2005
Anthracene	BQL	10.0	1	7/28/2005
Benzo[a]anthracene	BQL	10.0	1	7/28/2005
Benzo[a]pyrene	BQL	10.0	1	7/28/2005
Benzo[b]fluoranthene	BQL	10.0	1	7/28/2005
Benzo[g,h,i]perylene	BQL	10.0	1	7/28/2005
Benzo[k]fluoranthene	BQL	10.0	1	7/28/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	7/28/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	7/28/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	7/28/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	7/28/2005
4-bromophenyl phenyl ether	BQL	10.0	1	7/28/2005
Butylbenzylphthalate	BQL	10.0	1	7/28/2005
2-Chloronaphthalene	BQL	10.0	1	7/28/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	7/28/2005
Chrysene	BQL	10.0	1	7/28/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	7/28/2005
Di-n-Butylphthalate	BQL	10.0	1	7/28/2005
1,2-Dichlorobenzene	BQL	10.0	1	7/28/2005
1,3-Dichlorobenzene	BQL	10.0	1	7/28/2005
1,4-Dichlorobenzene	BQL	10.0	1	7/28/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	7/28/2005
Diethylphthalate	BQL	10.0	1	7/28/2005
Dimethylphthalate	BQL	10.0	1	7/28/2005
Di-n-octylphthalate	BQL	10.0	1	7/28/2005
2,4-Dinitrotoluene	BQL	10.0	1	7/28/2005
2,6-Dinitrotoluene	BQL	10.0	1	7/28/2005
Diphenylamine *	BQL	10.0	1	7/28/2005
Fluoranthene	BQL	10.0	1	7/28/2005
Fluorene	BQL	10.0	1	7/28/2005
Hexachlorobenzene	BQL	10.0	1	7/28/2005
Hexachlorobutadiene	BQL	10.0	1	7/28/2005
Hexachlorocyclopentadiene	BQL	20.0	1	7/28/2005
Hexachloroethane	BQL	10.0	1	7/28/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	7/28/2005
Isophorone	BQL	10.0	1	7/28/2005
Naphthalene	BQL	10.0	1	7/28/2005
Nitrobenzene	BQL	10.0	1	7/28/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	7/28/2005
Phenanthrene	BQL	10.0	1	7/28/2005
Pyrene	BQL	10.0	1	7/28/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: EMW-1
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-1L
Lab Project ID: G161-2085

Analyzed By: MRC
Date Collected: 7/22/2005 13:35
Date Received: 7/23/2005
Date Extracted: 7/26/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	7/28/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9	90
Nitrobenzene-d5	10	8.9	89
4-Terphenyl-d14	10	13.9	139

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

Reviewed By: PNV

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: EMW-1
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-1L
Lab Project ID: G161-2085
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 7/22/2005 13:35
Date Received: 7/23/2005
Date Extracted: 7/26/2005
Date Analyzed: 7/28/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know Compound peak (added by lab)	11.79			122
2	Know solvent peak (added by lab)	3.82			122
3	Know Compound peak (solvent stabilizer)	6.14			10.7
4	Know Compound peak (added by lab)	12.23			4.02
5	Unknown	8.47			2.02
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: RJV

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3298
Lab Project ID:

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/26/2005
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	7/27/2005
Acenaphthylene	BQL	10.0	1	7/27/2005
Anthracene	BQL	10.0	1	7/27/2005
Benzo[a]anthracene	BQL	10.0	1	7/27/2005
Benzo[a]pyrene	BQL	10.0	1	7/27/2005
Benzo[b]fluoranthene	BQL	10.0	1	7/27/2005
Benzo[g,h,i]perylene	BQL	10.0	1	7/27/2005
Benzo[k]fluoranthene	BQL	10.0	1	7/27/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	7/27/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	7/27/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	7/27/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	7/27/2005
4-bromophenyl phenyl ether	BQL	10.0	1	7/27/2005
Butylbenzylphthalate	BQL	10.0	1	7/27/2005
2-Chloronaphthalene	BQL	10.0	1	7/27/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	7/27/2005
Chrysene	BQL	10.0	1	7/27/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	7/27/2005
Di-n-Butylphthalate	BQL	10.0	1	7/27/2005
1,2-Dichlorobenzene	BQL	10.0	1	7/27/2005
1,3-Dichlorobenzene	BQL	10.0	1	7/27/2005
1,4-Dichlorobenzene	BQL	10.0	1	7/27/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	7/27/2005
Diethylphthalate	BQL	10.0	1	7/27/2005
Dimethylphthalate	BQL	10.0	1	7/27/2005
Di-n-octylphthalate	BQL	10.0	1	7/27/2005
2,4-Dinitrotoluene	BQL	10.0	1	7/27/2005
2,6-Dinitrotoluene	BQL	10.0	1	7/27/2005
Diphenylamine *	BQL	10.0	1	7/27/2005
Fluoranthene	BQL	10.0	1	7/27/2005
Fluorene	BQL	10.0	1	7/27/2005
Hexachlorobenzene	BQL	10.0	1	7/27/2005
Hexachlorobutadiene	BQL	10.0	1	7/27/2005
Hexachlorocyclopentadiene	BQL	20.0	1	7/27/2005
Hexachloroethane	BQL	10.0	1	7/27/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	7/27/2005
Isophorone	BQL	10.0	1	7/27/2005
Naphthalene	BQL	10.0	1	7/27/2005
Nitrobenzene	BQL	10.0	1	7/27/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	7/27/2005
Phenanthrene	BQL	10.0	1	7/27/2005
Pyrene	BQL	10.0	1	7/27/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3298
Lab Project ID:

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/26/2005
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	7/27/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.4	64
Nitrobenzene-d5	10	6.6	66
4-Terphenyl-d14	10	12.1	121

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

Reviewed By: BNV

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID:	Method Blank	Analyzed By:	MRC
Client Project ID:		Date Collected:	
Lab Sample ID:	PB3298	Date Received:	
Lab Project ID:		Date Extracted:	7/26/2005
Sample Wt/Vol:	500 ML	Date Analyzed:	7/28/2005
Dilution:	1	Matrix:	Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know Compound peak (added by lab)	11.80			144
2	Know solvent peak (added by lab)	3.84			67
3	Know Compound peak (solvent stabilizer)	6.14			7.18
4	Unknown	11.24			6.72
5	Unknown	14.18			6.34
6	Know Compound peak (added by lab)	12.22			4.95
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: RNV

Results For Matrix Spike / Matrix Spike Duplicate and Laboratory Control Standard (MS/MSD/LCS)
by GCMS

Client Sample ID: Batch QC
Client Sample ID:
Lab Sample ID: Batch-3298-MS/MSD/LCS
Lab Project ID:
Matrix: WATER
Prep Method: 3520

Date Collected:
Date Received:
Date Extracted: 07/26/05
Date Analyzed: 07/28/05
Analyzed By: MRC
Dilution: 1

	Sample Amount (µg/L)	MS Spike (µg/L)	MS Conc. (µg/L)	MS Spike % Rec.	MSD Spike (µg/L)	MSD Conc. (µg/L)	MSD Conc. % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
Acenaphthylene	BQL	250	274	110	250	287	115.0	4.45	30	62.0-119
4-Chloro-3-methylphenol	BQL	250	244	97.5	250	250	100*	2.63	30	67.0-98.0
2-Chlorophenol	BQL	250	224	89.6	250	217	86.7	3.29	30	53.0-111
1,4-Dichlorobenzene	BQL	250	158	63.4	250	138	55.4	13.5	30	29.0-86.0
2,4-Dinitrotoluene	BQL	250	295	118*	250	309	124*	4.63	30	63.0-103
N-Nitrosodi-n-propylamine	BQL	250	275	110*	250	272	109*	1.00	30	67.0-107
4-Nitrophenol	BQL	250	354	141	250	386	154*	8.79	30	49.0-146
Pentachlorophenol	BQL	250	226	90.4	250	234	93.4	3.26	30	43.0-106
Phenol	BQL	250	234	93.4	250	228	91.4	2.16	30	61.0-100
Pyrene	BQL	250	344	137*	250	346	138*	0.653	30	41.0-123
1,2,4-Trichlorobenzene	BQL	250	206	82.4	250	202	80.9	1.84	30	41.0-96.0

	Spiked Amount (µg/L)	LCS Conc. (µg/L)	LCS Spike %	QC Limits % Rec.
Acenaphthylene	100	105	105	66.1-116
4-Chloro-3-methylphenol	100	93.7	93.7	64.3-97.6
2-Chlorophenol	100	82.3	82.3	56.9-93.4
1,4-Dichlorobenzene	100	49.7	49.7	20.6-82.8
2,4-Dinitrotoluene	100	113	98	63.7-101
N-Nitrosodi-n-propylamine	100	100	100	62.6-108
4-Nitrophenol	100	134	123	53.7-125
Pentachlorophenol	100	82.7	82.7	37.0-102
Phenol	100	86.4	86.4	57.4-99.5
Pyrene	100	140	118	44.1-124
1,2,4-Trichlorobenzene	100	67.0	67.0	37.6-97.9

Comments:

Concentrations reflect the spiked sample amounts.

Flags:

* = Out of limits.
NA = Not applicable.

Reviewed By: _____

Paradigm Analytical Laboratories, INC.

2C

WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	TOT OUT
01	EMW-1	89	90	139				0
02	G111-769-1F	93	92	140				0
03	G111-769-1G MS	99	121	98				0
04	G111-769-1H MSD	99	123	102				0
05	LCS3298	93	131	91				0
06	PB3298	66	64	121				0
07								
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	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(46-117)
S2 (FBP) = 2-Fluorobiphenyl	(42-116)
S3 (TPH) = Terphenyl-d14	(44-140)

Column to be used to flag recovery values.
* Values outside of contract required QC limits.
D Surrogate diluted out

Paradigm Analytical Laboratories, INC.

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: G111-769-1F

COMPOUND	SAMPLE CONC (µg/L)	MS SPIKE (µg/L)	MS CONC (µg/L)	MS % REC #	MSD SPIKE (µg/L)	MSD CONC (µg/L)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
Acenaphthene	BQL	250	253	101	250	262	105	3.40	30	55.0-106
Acenaphthylene	BQL	250	274	110	250	287	115	4.45	30	62.0-119
Anthracene	BQL	250	260	104 *	250	271	108 *	4.33	30	44.0-96.0
Benzo[a]anthracene	BQL	250	246	98.3	250	255	102	3.60	30	50.0-109
Benzo[a]pyrene	BQL	250	272	108 *	250	286	114 *	5.29	30	39.0-100
Benzo[b]fluoranthene	BQL	250	273	109 *	250	290	116 *	6.30	30	34.0-105
Benzo[g,h,i]perylene	BQL	250	256	102	250	244	97.6	4.70	30	36.0-116
Benzo[k]fluoranthene	BQL	250	297	119	250	298	119	0.504	30	26.0-120
Benzoic Acid	BQL	250	284	113 *	250	288	115 *	1.57	30	44.0-107
Benzyl Alcohol	BQL	250	226	90.6	250	222	88.7	2.12	30	62.0-104
Bis(2-chloroethoxy)methane	BQL	250	246	98.3	250	246	98.4	0.102	30	58.0-101
Bis(2-chloroethyl)ether	BQL	250	230	91.9	250	223	89.2	2.98	30	47.0-93.0
Bis(2-chloroisopropyl)ether	BQL	250	240	96.0	250	234	93.4	2.74	30	58.0-100
Bis(2-ethylhexyl)phthalate	BQL	250	297	119	250	300	120	1.17	30	46.0-131
4-bromophenyl phenyl ether	BQL	250	234	93.6	250	243	97.1	3.67	30	36.0-112
Butylbenzylphthalate	BQL	250	308	123 *	250	310	124 *	0.809	30	54.0-117
4-Chloroaniline	BQL	250	409	164	250	401	160	1.79	30	12.0-198
4-Chloro-3-methylphenol	BQL	250	244	97.5	250	250	100 *	2.63	30	67.0-98.0
2-Chloronaphthalene	BQL	250	245	98.0	250	254	102	3.61	30	54.0-105
2-Chlorophenol	BQL	250	224	89.6	250	217	86.7	3.29	30	59.0-95.0
4-Chlorophenyl phenyl ether	BQL	250	254	102	250	268	107	5.45	30	51.0-114
Chrysene	BQL	250	276	110	250	288	115 *	4.08	30	52.0-114
Di-n-Butylphthalate	BQL	250	252	101	250	258	103	2.35	30	53.0-111
Di-n-octylphthalate	BQL	250	305	122 *	250	308	123 *	0.816	30	22.0-113
Dibenzo[a,h]anthracene	BQL	250	292	117	250	286	114	2.16	30	33.0-117
Dibenzofuran	BQL	250	239	95.4	250	249	99.4	4.10	30	62.0-108
1,2-Dichlorobenzene	BQL	250	166	66.6	250	152	60.7	9.27	30	31.0-93.0
1,3-Dichlorobenzene	BQL	250	149	59.7	250	132	52.6	12.6	30	25.0-87.0
1,4-Dichlorobenzene	BQL	250	158	63.4	250	138	55.4	13.5	30	29.0-86.0
3,3'-Dichlorobenzidine	BQL	250	367	147	250	356	142	3.25	30	10.0-383
2,4-Dichlorophenol	BQL	250	233	93.2	250	236	94.3	1.17	30	61.0-97.0
Diethylphthalate	BQL	250	274	110 *	250	288	115 *	5.25	30	65.0-102
2,4-Dimethylphenol	BQL	250	190	75.8	250	184	73.6	2.94	30	29.0-110
Dimethylphthalate	BQL	250	257	103 *	250	272	109 *	5.48	30	61.0-100
4,6-Dinitro-2-methylphenol	BQL	250	228	91.1	250	234	93.6	2.71	30	46.0-104
2,4-Dinitrophenol	BQL	250	241	96.3	250	250	100	3.87	30	47.0-109
2,4-Dinitrotoluene	BQL	250	295	118 *	250	309	124 *	4.63	30	63.0-103
2,6-Dinitrotoluene	BQL	250	271	108 *	250	290	116 *	6.60	30	61.0-101
Fluoranthene	BQL	250	260	104	250	269	108	3.50	30	49.0-109
Fluorene	BQL	250	272	109 *	250	286	114 *	4.66	30	58.0-108
Hexachlorobenzene	BQL	250	230	92.2	250	237	94.8	2.78	30	38.0-114

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 72 outside of limits

Spike Recovery: 40 out of 144 outside of limits

COMMENTS: _____

Paradigm Analytical Laboratories, INC.

3C

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: G111-769-1F

COMPOUND	SAMPLE CONC (µg/L)	MS SPIKE (µg/L)	MS CONC (µg/L)	MS % REC #	MSD SPIKE (µg/L)	MSD CONC (µg/L)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
Hexachlorobutadiene	BQL	250	188	75.3	250	183	73.3	2.69	30	26.0-95.0
Hexachlorocyclopentadiene	BQL	250	98.5	39.4	250	121	48.3	20.3	30	10.0-113
Hexachloroethane	BQL	250	123	49.2	250	107	42.7	14.1	30	15.0-96.0
Indeno(1,2,3-c,d)pyrene	BQL	250	270	108	250	253	101	6.78	30	34.0-111
Isophorone	BQL	250	297	119 *	250	304	122 *	2.24	30	65.0-112
1-Methylnaphthalene	10.9	250	232	92.7	250	240	96.0	3.50	30	48.0-121
2-Methylnaphthalene	42.8	250	210	84.2	250	215	86.2	2.35	30	45.0-121
2-Methylphenol	BQL	250	233	93.2	250	227	90.9	2.50	30	62.0-99.0
4-Methylphenol	BQL	500	402	80.4	500	399	79.8	0.748	30	51.0-102
N-Nitrosodi-n-propylamine	BQL	250	275	110 *	250	272	109 *	1.00	30	67.0-107
Diphenylamine	BQL	250	330	132 *	250	356	143 *	7.64	30	24.0-114
Naphthalene	82.2	250	218	87.3	250	223	89.2	2.15	30	25.0-131
2-Nitroaniline	BQL	250	272	108	250	282	113	3.97	30	54.0-135
3-Nitroaniline	BQL	250	820	328	250	833	333	1.54	30	10.0-594
4-Nitroaniline	BQL	250	465	186 *	250	474	190 *	1.97	30	30.0-153
Nitrobenzene	BQL	250	263	105 *	250	260	104 *	1.15	30	57.0-98.0
2-Nitrophenol	BQL	250	219	87.8	250	220	88.0	0.228	30	50.0-97.0
4-Nitrophenol	BQL	250	354	141	250	386	154 *	8.79	30	49.0-146
Pentachlorophenol	BQL	250	226	90.4	250	234	93.4	3.26	30	43.0-106
Phenanthrene	BQL	250	248	99.4	250	255	102	2.48	30	53.0-108
Phenol	BQL	250	234	93.4	250	228	91.4	2.16	30	61.0-100
Pyrene	BQL	250	344	137 *	250	346	138 *	0.653	30	41.0-123
1,2,4-Trichlorobenzene	BQL	250	206	82.4	250	202	80.9	1.84	30	41.0-96.0
2,4,5-Trichlorophenol	BQL	250	256	102 *	250	262	105 *	2.22	30	62.0-100
2,4,6-Trichlorophenol	BQL	250	237	94.7	250	246	98.5 *	3.93	30	61.0-96.0

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 72 outside of limits

Spike Recovery: 40 out of 144 outside of limits

COMMENTS: _____

Paradigm Analytical Laboratories, INC.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB3298

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab File ID: 0727627.D Lab Sample ID: PB3298

Instrument ID: MSD6 Date Extracted: 07/26/05

Matrix: (soil/water) WATER Date Analyzed: 07/27/05

Level: (low/med) LOW Time Analyzed: 23:52

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	G111-769-1G MS	G111-769-1G MS	0727629.D	07/28 03:26
02	G111-769-1H MSD	G111-769-1H MSD	0727630.D	07/28 04:03
03	G111-769-1F	G111-769-1F	0727636.D	07/28 05:02
04	EMW-1	G161-2085-1L	0727639.D	07/28 06:46
05				
06				
07				
08				
09				
10				
11				
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COMMENTS: _____

Paradigm Analytical Laboratories, INC.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab File ID: 0721601.D DFTPP Injection Date: 07/21/05

Instrument ID: MSD6 DFTPP Injection Time: 08:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	40.9
68	Less than 2.0% of mass 69	0.8
69	Mass 69 relative abundance	47.1
70	Less than 2.0% of mass 69	0.5
127	40.0 - 60.0% of mass 198	47.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	21.9
365	Greater than 0.75% of mass 198	2.6
441	Present, but less than mass 443	86.1
442	40.0 - 100.0% of mass 198	59.8
443	17.0 - 23.0% of mass 442	18.6

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SVCAL1	SVCAL1	0721602.D	07/21/05	09:18
02	SVCAL2	SVCAL2	0721603.D	07/21/05	09:52
03	SVCAL4	SVCAL4	0721604.D	07/21/05	10:25
04	SVCAL6	SVCAL6	0721605.D	07/21/05	11:00
05	SVCAL8	SVCAL8	0721606.D	07/21/05	11:34
06	SVCAL12	SVCAL12	0721607.D	07/21/05	12:08
07	SVCAL24	SVCAL24	0721608.D	07/21/05	12:42
08	SVCAL48	SVCAL48	0721609.D	07/21/05	13:16
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Paradigm Analytical Laboratories, INC.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab File ID: 0727614.D DFTPP Injection Date: 07/27/05

Instrument ID: MSD6 DFTPP Injection Time: 16:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	41.0
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	45.2
70	Less than 2.0% of mass 69	0.4
127	40.0 - 60.0% of mass 198	47.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	21.8
365	Greater than 0.75% of mass 198	2.4
441	Present, but less than mass 443	79.5
442	40.0 - 100.0% of mass 198	74.3
443	17.0 - 23.0% of mass 442	19.2

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SVCVS8	SVCVS8	0727615.D	07/27/05	16:58
02	PB3298	PB3298	0727627.D	07/27/05	23:52
03	LCS3298	LCS3298	0727628.D	07/28/05	00:26
04	G111-769-1G MS	G111-769-1G MS	0727629.D	07/28/05	01:00
05	G111-769-1H MSD	G111-769-1H MSD	0727630.D	07/28/05	01:35
06	G111-769-1F	G111-769-1F	0727636.D	07/28/05	05:02
07	EMW-1	G161-2085-1L	0727639.D	07/28/05	06:46
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Paradigm Analytical Laboratories, INC.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD6 Calibration Date(s): 07/21/05

Calibration Times: 13:16

LAB FILE ID: RRF1.0 = 0721602.D RRF2.0 = 0721603.D RRF4.0 = 0721604.D RRF6.0 = 0721605.D

RRF8.0 = 0721606.D RRF12.0 = 0721607.D RRF24.0 = 0721608.D RRF48.0 = 0721609.D

COMPOUND	RRF 1.0	RRF 2.0	RRF 4.0	RRF 6.0	RRF 8.0	RRF 12.0	RRF 24.0	RRF 48.0	ICAL RRF	% RSD
Pyridine	0.743	0.573	0.956	0.949	1.06	0.948	1.08		0.901	20.1
N-Nitrosodimethylamine	0.662	0.585	0.661	0.671	0.628	0.696	0.688	0.648	0.655	5.41
Phenol	1.91	1.84	1.80	1.85	1.75	1.72	1.76	1.60	1.78	5.31
Bis(2-chloroethyl)ether	1.51	1.35	1.35	1.38	1.36	1.51	1.47	1.33	1.41	5.30
2-Chlorophenol	1.45	1.41	1.36	1.40	1.31	1.33	1.34	1.26	1.36	4.48
Benzyl Alcohol	1.01	0.947	0.934	0.977	0.912	0.953	0.969	0.922	0.953	3.42
1,3-Dichlorobenzene	1.39	1.35	1.34	1.35	1.29	1.31	1.30	1.24	1.32	3.47
1,4-Dichlorobenzene	1.41	1.36	1.39	1.38	1.32	1.32	1.34	1.28	1.35	3.25
1,2-Dichlorobenzene	1.31	1.30	1.25	1.26	1.19	1.19	1.19	1.13	1.23	5.12
2-Methylphenol	1.22	1.14	1.12	1.14	1.07	1.08	1.10	1.04	1.11	5.12
3-, 4-Methylphenol	1.79	1.64	1.62	1.64	1.56	1.58	1.63	1.53	1.62	4.81
Bis(2-chloroisopropyl)ether	1.76	1.63	1.65	1.65	1.55	1.59	1.60	1.48	1.61	5.13
N-Nitrosodi-n-propylamine	0.910	0.875	0.835	0.879	0.794	0.828	0.860	0.798	0.847	4.82
Hexachloroethane	0.583	0.523	0.513	0.530	0.502	0.519	0.535	0.505	0.526	4.83
2-Fluorophenol (surr)	0.972	0.989	1.01	1.02	1.02	1.04	1.05	0.994	1.01	2.43
Phenol-d6 (surr)	1.72	1.62	1.58	1.63	1.56	1.58	1.60	1.50	1.60	3.92
Nitrobenzene	0.408	0.370	0.377	0.393	0.357	0.382	0.375	0.356	0.377	4.70
Isophorone	0.613	0.570	0.564	0.589	0.540	0.573	0.560	0.531	0.568	4.58
2-Nitrophenol	0.207	0.202	0.196	0.189	0.170	0.179	0.175	0.165	0.185	8.45
2,4-Dimethylphenol	0.285	0.259	0.260	0.263	0.255	0.264	0.257	0.249	0.262	3.98
Benzoic Acid	0.166	0.117	0.137	0.148	0.146	0.171	0.179		0.152	14.2
Bis(2-chloroethoxy)methane	0.422	0.386	0.386	0.393	0.357	0.374	0.361	0.350	0.379	6.20
2,4-Dichlorophenol	0.304	0.269	0.271	0.289	0.260	0.277	0.266	0.257	0.274	5.75
1,2,4-Trichlorobenzene	0.323	0.303	0.283	0.295	0.271	0.281	0.271	0.261	0.286	7.07
Naphthalene	0.954	0.904	0.880	0.910	0.826	0.866	0.837	0.812	0.874	5.52
4-Chloroaniline	0.167	0.184	0.142		0.110	0.101	0.146	0.141	0.142	20.5
Hexachlorobutadiene	0.192	0.175	0.184	0.184	0.164	0.180	0.171	0.162	0.176	5.96
4-Chloro-3-methylphenol	0.347	0.310	0.314	0.328	0.300	0.326	0.326	0.312	0.320	4.48
2-Methylnaphthalene	0.700	0.644	0.644	0.656	0.601	0.630	0.612	0.602	0.636	5.20
Nitrobenzene-d5 (surr)	0.152	0.140	0.141	0.149	0.132	0.142	0.138	0.132	0.141	5.13
Hexachlorocyclopentadiene	0.148	0.088	0.098	0.111	0.091	0.118	0.106	0.129	0.111	18.2
2,4,6-Trichlorophenol	0.405	0.347	0.358	0.374	0.341	0.362	0.348	0.347	0.360	5.86
2,4,5-Trichlorophenol	0.405	0.354	0.364	0.375	0.340	0.373	0.356	0.356	0.365	5.33
2-Chloronaphthalene	1.11	1.02	0.982	1.01	0.929	0.998	0.932	0.925	0.989	6.44
2-Nitroaniline	0.365	0.329	0.333	0.350	0.312	0.334	0.342	0.331	0.337	4.69

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD6 Calibration Date(s): 07/21/05

Calibration Times: 13:16

LAB FILE ID: RRF1.0 = 0721602.D RRF2.0 = 0721603.D RRF4.0 = 0721604.D RRF6.0 = 0721605.D

RRF8.0 = 0721606.D RRF12.0 = 0721607.D RRF24.0 = 0721608.D RRF48.0 = 0721609.D

COMPOUND	RRF 1.0	RRF 2.0	RRF 4.0	RRF 6.0	RRF 8.0	RRF 12.0	RRF 24.0	RRF 48.0	ICAL RRF	% RSD
3-Nitroaniline	0.097	0.069	0.063		0.04	0.037	0.051	0.087	0.063	35.8
1-Methylnaphthalene	1.10	1.01	0.981	1.02	0.938	0.981	0.918	0.923	0.984	6.12
Dimethylphthalate	1.28	1.14	1.13	1.19	1.08	1.15	1.09	1.08	1.14	5.84
Acenaphthylene	1.52	1.36	1.32	1.35	1.25	1.29	1.21	1.01	1.29	11.3
2,6-Dinitrotoluene	0.278	0.226	0.237	0.253	0.236	0.254	0.245	0.241	0.246	6.45
Acenaphthene	0.976	0.896	0.891	0.912	0.835	0.877	0.841	0.843	0.884	5.30
2,4-Dinitrophenol	0.115	0.08	0.103	0.113	0.112	0.132	0.126	0.135	0.115	15.2
4-Nitrophenol	0.158	0.115	0.136	0.147	0.132	0.156	0.155	0.165	0.146	11.4
Dibenzofuran	1.59	1.46	1.43	1.46	1.34	1.42	1.36	1.35	1.42	5.78
2,4-Dinitrotoluene	0.347	0.280	0.311	0.303	0.289	0.304	0.298	0.303	0.304	6.47
Fluorene	1.13	1.05	1.07	1.10	0.994	1.07	1.01	1.02	1.06	4.37
Diethylphthalate	1.14	1.03	1.06	1.09	0.993	1.07	1.01	0.991	1.05	4.91
4-Chlorophenyl phenyl ether	0.600	0.570	0.559	0.577	0.533	0.552	0.517	0.512	0.553	5.52
4-Nitroaniline	0.133	0.099	0.124	0.132	0.115	0.116	0.099		0.117	12.0
2-Fluorobiphenyl (surr)	1.30	1.15	1.14	1.17	1.06	1.12	1.05	1.05	1.13	7.42
2,4,6-Tribromophenol (surr)	0.119	0.111	0.113	0.115	0.114	0.125	0.119	0.126	0.118	4.65
4,6-Dinitro-2-methylphenol	0.131	0.088	0.113	0.122	0.118	0.135	0.131	0.136	0.122	13.1
Diphenylamine	0.432	0.483	0.436	0.459	0.376	0.339	0.332		0.408	14.6
4-bromophenyl phenyl ether	0.235	0.241	0.227	0.228	0.208	0.214	0.204	0.196	0.219	7.32
Hexachlorobenzene	0.231	0.212	0.209	0.225	0.202	0.207	0.199	0.192	0.210	6.26
Pentachlorophenol	0.148	0.112	0.135	0.144	0.135	0.148	0.142	0.144	0.139	8.51
Phenanthrene	1.09	1.03	1.01	1.04	0.954	0.981	0.947	0.918	0.995	5.71
Carbazole	0.377	0.510	0.353	0.429	0.351				0.404	16.5
Anthracene	1.03	0.938	0.910	0.971	0.879	0.914	0.875	0.856	0.921	6.07
Azobenzene	0.937	0.907	0.876	0.910	0.820	0.857	0.830	0.781	0.865	6.11
Di-n-Butylphthalate	1.34	1.27	1.22	1.25	1.17	1.19	1.14	1.11	1.21	6.12
Fluoranthene	1.06	1.00	1.00	1.06	0.959	1.03	0.971	0.976	1.01	3.84
alpha-BHC	0.180	0.165	0.159		0.152	0.157	0.148	0.134	0.156	9.11
beta-BHC	0.133	0.124	0.128		0.120	0.128	0.120	0.115	0.124	4.94
gamma-BHC	0.144	0.124	0.130		0.126	0.131	0.125	0.118	0.128	6.42
delta-BHC	0.127	0.114	0.114		0.114	0.118	0.113	0.108	0.116	5.25
Heptachlor	0.166	0.148	0.146		0.146	0.151	0.150	0.141	0.150	5.26
Aldrin	0.177	0.169	0.163		0.159	0.158	0.153	0.144	0.160	6.62
Heptachlor Epoxide	0.054	0.055	0.055		0.055	0.057	0.053	0.054	0.055	2.20
Endosulfan I	0.042	0.043	0.041		0.043	0.042	0.039	0.034	0.04	7.62

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD6 Calibration Date(s): 07/21/05

Calibration Times: 13:16

LAB FILE ID: RRF1.0 = 0721602.D RRF2.0 = 0721603.D RRF4.0 = 0721604.D RRF6.0 = 0721605.D

RRF8.0 = 0721606.D RRF12.0 = 0721607.D RRF24.0 = 0721608.D RRF48.0 = 0721609.D

COMPOUND	RRF 1.0	RRF 2.0	RRF 4.0	RRF 6.0	RRF 8.0	RRF 12.0	RRF 24.0	RRF 48.0	ICAL RRF	% RSD
4,4'-DDE	0.255	0.224	0.235		0.228	0.240	0.228	0.226	0.234	4.58
Dieldrin	0.213	0.215	0.198		0.198	0.201	0.190	0.184	0.200	5.67
Endrin	0.037	0.028	0.032		0.032	0.036	0.038	0.037	0.034	10.3
4,4'-DDD	0.450	0.420	0.421		0.402	0.425	0.397	0.367	0.412	6.38
Endosulfan Sulfate	0.06	0.05	0.052		0.052	0.054	0.052	0.037	0.051	13.2
4,4'-DDT	0.377	0.303	0.312		0.301	0.320	0.321	0.290	0.318	8.99
Endrin Ketone	0.045	0.038	0.044		0.044	0.047	0.043	0.037	0.042	8.88
Methoxychlor	0.807	0.665	0.676		0.695	0.722	0.669	0.561	0.685	10.7
Pyrene	1.50	1.46	1.44	1.44	1.30	1.36	1.41	1.56	1.43	5.51
Butylbenzylphthalate	0.745	0.697	0.682	0.722	0.658	0.695	0.717	0.684	0.700	3.91
Benzo[a]anthracene	1.35	1.24	1.25	1.31	1.20	1.26	1.25	1.24	1.26	3.60
3,3'-Dichlorobenzidine	0.200	0.204	0.190	0.210	0.182	0.172	0.186	0.196	0.193	6.46
Chrysene	1.10	1.03	1.04	1.08	1.02	1.04	1.03	1.01	1.04	2.94
Bis(2-ethylhexyl)phthalate	1.00	0.977	0.936	0.972	0.875	0.910	0.929	0.885	0.935	4.81
4-Terphenyl-d14 (surr)	1.04	0.977	0.984	0.981	0.906	0.949	0.991	1.10	0.991	5.76
Di-n-octylphthalate	2.36	2.21	2.18	2.37	2.22	2.53	2.46	2.23	2.32	5.51
Benzo[b]fluoranthene	1.36	1.30	1.34	1.40	1.30	1.43	1.37	1.33	1.36	3.54
Benzo[k]fluoranthene	1.34	1.24	1.28	1.36	1.26	1.38	1.29	1.14	1.28	5.84
Benzo[a]pyrene	1.08	1.02	1.01	1.08	0.984	1.10	1.08	1.02	1.05	4.02
Indeno(1,2,3-c,d)pyrene	0.600	0.579	0.535	0.576	0.569	0.614	0.639	0.750	0.608	10.8
Dibenzo[a,h]anthracene	0.560	0.492	0.471	0.528	0.502	0.543	0.607	0.708	0.551	13.8
Benzo[g,h,i]perylene	0.629	0.618	0.564	0.637	0.612	0.645	0.656	0.752	0.639	8.37

Paradigm Analytical Laboratories, INC.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD6 Calibration Date: 07/27/05 Time: 16:58

Lab File ID: 0727615.D Init. Calib. Date: 07/21/05

EPA Sample No.: SVCVS8 Init. Calib. Time: 13:16

GC Column: Rtx-5Sil MS ID: 0.25 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
1,2,4-Trichlorobenzene	0.286	0.269		5.9	
1,2-Dichlorobenzene	1.23	1.155		5.9	
1,3-Dichlorobenzene	1.32	1.242		6.0	
1,4-Dichlorobenzene	1.35	1.283		5.0	20.0
1,4-Dichlorobenzene-D4	1.00	1.000		0.0	
1-Methylnaphthalene	0.984	0.918		6.7	
2,4,5-Trichlorophenol	0.365	0.390		-6.8	
2,4,6-Trichlorophenol	0.360	0.360		0.0	20.0
2,4-Dichlorophenol	0.274	0.271		1.1	20.0
2,4-Dimethylphenol	0.262	0.260		0.8	
2,4-Dinitrophenol	0.115	0.158	0.050	-37.4	
2,4-Dinitrotoluene	0.304	0.319		-4.9	
2,6-Dinitrotoluene	0.246	0.250		-1.6	
2-Chloronaphthalene	0.989	0.949		4.0	
2-Chlorophenol	1.36	1.291		4.9	
2-Methylnaphthalene	0.636	0.610		4.1	
2-Methylphenol	1.11	1.084		2.8	
2-Nitroaniline	0.337	0.335		0.6	
2-Nitrophenol	0.185	0.174		5.9	20.0
3-, 4-Methylphenol	1.62	1.573		3.0	
3-Nitroaniline	0.063	0.084		-33.3	
4,6-Dinitro-2-methylphenol	0.122	0.143		-17.2	
4-bromophenyl phenyl ether	0.219	0.196		10.5	
4-Chloro-3-methylphenol	0.320	0.330		-3.1	20.0
4-Chloroaniline	0.142	0.159		-12.0	
4-Chlorophenyl phenyl ether	0.553	0.537		2.9	
4-Nitroaniline	0.117	0.132		-12.8	
4-Nitrophenol	0.146	0.189	0.050	-29.5	
Acenaphthene	0.884	0.838		5.2	20.0
Acenaphthene-d10	1.00	1.000		0.0	
Acenaphthylene	1.29	1.205		6.4	
Aldrin	0.160	0.152		5.0	
alpha-BHC	0.156	0.138		11.5	
Anthracene	0.921	0.887		3.7	
Benzoic Acid	0.152	0.195		-28.3	
Benzo[a]anthracene	1.26	1.201		4.8	
Benzo[a]pyrene	1.05	1.036		1.0	20.0
Benzo[b]fluoranthene	1.36	1.408		-3.9	
Benzo[k]fluoranthene	1.28	1.334		-3.9	
Benzyl Alcohol	0.953	0.926		2.8	

Paradigm Analytical Laboratories, INC.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD6 Calibration Date: 07/27/05 Time: 16:58

Lab File ID: 0727615.D Init. Calib. Date: 07/21/05

EPA Sample No.: SVCVS8 Init. Calib. Time: 13:16

GC Column: Rtx-5Sil MS ID: 0.25 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
beta-BHC	0.124	0.119		4.0	
Bis(2-chloroethoxy)methane	0.379	0.361		4.7	
Bis(2-chloroethyl)ether	1.409	1.325		6.0	
Bis(2-chloroisopropyl)ether	1.614	1.555		3.7	
Bis(2-ethylhexyl)phthalate	0.935	0.915		2.1	
Butylbenzylphthalate	0.700	0.695		0.7	
Carbazole	0.404	0.281		30.4	
Chrysene	1.044	1.005		3.7	
Chrysene-D12	1.000	1.000		0.0	
delta-BHC	0.116	0.112		3.4	
Di-n-Butylphthalate	1.211	1.097		9.4	
Di-n-octylphthalate	2.322	2.780		-19.7	20.0
Dibenzofuran	1.425	1.396		2.0	
Dibenzo[a,h]anthracene	0.551	0.462		16.2	
Dieldrin	0.200	0.188		6.0	
Diethylphthalate	1.046	1.032		1.3	
Dimethylphthalate	1.144	1.110		3.0	
Diphenylamine	0.408	0.327		19.9	
Endosulfan I	0.040	0.038#		5.0	
Endosulfan II	0.000	0.000#		0.0	
Endosulfan Sulfate	0.051	0.047#		7.8	
Endrin	0.034	0.032#		5.9	
Endrin Aldehyde	0.000	0.000#		0.0	
Endrin Ketone	0.042	0.036#		14.3	
Fluoranthene	1.007	0.972		3.5	20.0
Fluorene	1.056	1.053		0.3	
gamma-BHC	0.128	0.119		7.0	
Heptachlor	0.150	0.146		2.7	
Heptachlor Epoxide	0.055	0.050#		9.1	
Hexachlorobenzene	0.210	0.183		12.9	
Hexachlorobutadiene	0.176	0.164		6.8	20.0
Hexachlorocyclopentadiene	0.111	0.157	0.050	-41.4	
Hexachloroethane	0.526	0.509		3.2	
Indeno(1,2,3-c,d)pyrene	0.608	0.490		19.4	
Isophorone	0.568	0.553		2.6	
Methoxychlor	0.685	0.601		12.3	
N-Nitrosodi-n-propylamine	0.847	0.849		-0.2	
N-Nitrosodimethylamine	0.655	0.700		-6.9	
Naphthalene	0.874	0.828		5.3	
Naphthalene-D8	1.000	1.000		0.0	

Paradigm Analytical Laboratories, INC.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD6 Calibration Date: 07/27/05 Time: 16:58

Lab File ID: 0727615.D Init. Calib. Date: 07/21/05

EPA Sample No.: SVCVS8 Init. Calib. Time: 13:16

GC Column: Rtx-5Sil MS ID: 0.25 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
Nitrobenzene	0.377	0.373		1.1	
Pentachlorophenol	0.139	0.141		-1.4	20.0
Perylene-D12	1.000	1.000		0.0	
Phenanthrene	0.995	0.952		4.3	
Phenanthrene-D10	1.000	1.000		0.0	
Phenol	1.779	1.781		-0.1	20.0
Pyrene	1.433	1.510		-5.4	
Pyridine	0.901	0.893		0.9	
2,4,6-Tribromophenol	0.118	0.128		-8.5	
2-Fluorobiphenyl	1.13	1.058		6.2	
2-Fluorophenol	1.01	1.002		0.9	
4-Terphenyl-d14	0.991	1.022		-3.1	
Nitrobenzene-d5	0.141	0.140		0.7	
Phenol-d6	1.60	1.583		1.0	

Paradigm Analytical Laboratories, INC.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No: SAS No.: SDG No.:

EPA Sample No.: SVCVS8 Date Analyzed: 07/27/05

Lab File ID (Standard): 0727615.D Time Analyzed: 16:58

Instrument ID: MSD6 GC Column: Rtx-5Sil MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	192305	6.97	771257	8.89	452317	11.67
	UPPER LIMIT	384610	7.47	1542514	9.39	904634	12.17
	LOWER LIMIT	96153	6.47	385629	8.39	226159	11.17
	EPA SAMPLE						
01	G111-769-1G MS	153444	6.97	631221	8.89	361141	11.67
02	G111-769-1H MSD	157671	6.97	634169	8.89	357683	11.67
03	G111-769-1F	163203	6.97	637265	8.89	356084	11.67
04	LCS3298	140326	6.97	579637	8.89	336046	11.68
05	PB3298	164631	6.97	665321	8.89	395031	11.67
06	EMW-1	154662	6.96	626100	8.88	357239	11.67
07							
08							
09							
10							
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26							
27							
28							
29							
30							

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

AREA UPPER LIMIT = + 100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

Paradigm Analytical Laboratories, INC.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:
Lab Code: NC00919 Case No: SAS No.: SDG No.:
EPA Sample No.: SVCVS8 Date Analyzed: 07/27/05
Lab File ID (Standard): 0727615.D Time Analyzed: 16:58
Instrument ID: MSD6 GC Column: Rtx-5Sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	699961	14.05	431962	18.3	218159	20.56
	UPPER LIMIT	1399922	14.55	863924	18.8	436318	21.06
	LOWER LIMIT	349981	13.55	215981	17.8	109080	20.06
	EPA SAMPLE						
01	G111-769-1G MS	574307	14.05	300039	18.3	162887	20.56
02	G111-769-1H MSD	576659	14.05	311057	18.3	174046	20.56
03	G111-769-1F	520891	14.05	226452	18.29	112667	20.57
04	LCS3298	533884	14.05	260834	18.3	135321	20.56
05	PB3298	611222	14.05	285529	18.29	145621	20.56
06	EMW-1	548391	14.05	272605	18.3	131537	20.56
07							
08							
09							
10							
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30							

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

AREA UPPER LIMIT = + 100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

LABORATORY CONTROL SAMPLE SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Paradigm Analytical Laboratories, INC.

Lab Code: NC00919 Case No.: SAS No.: SDG No:

Matrix: (soil/water) WATER Lab Sample ID: LCS3298

Sample wt/vol: 5 (mL) Lab File ID: 0727628.D

Level: (low/med) LOW

% Moisture: NA Decanted:(Y/N) NA Date Analyzed: 07/28/05 00:26

Concentrated Extract Volume: 5 (mL) Dilution Factor: 1

Injection Volume: 1 (µL) Extraction: (Type) CONT

GPC Cleanup: N

CAS NO.	COMPOUND	SPIKE AMT (µg/L)	SAMP CONC (µg/L)	% REC #	QC LIMITS
83-32-9	Acenaphthene	100	96.7	96.7	61.6-101
208-96-8	Acenaphthylene	100	105	105	66.1-116
120-12-7	Anthracene	100	101	101*	48.7-94.6
56-55-3	Benzo[a]anthracene	100	95.0	95.0	67.4-101
50-32-8	Benzo[a]pyrene	100	110	110*	41.6-102
205-99-2	Benzo[b]fluoranthene	100	108	108	37.4-108
191-24-2	Benzo[g,h,i]perylene	100	104	104	42.0-113
207-08-9	Benzo[k]fluoranthene	100	115	115	29.6-126
65-85-0	Benzoic Acid	100	103	103	29.5-107
100-51-6	Benzyl Alcohol	100	83.1	83.1	61.6-98.5
111-91-1	Bis(2-chloroethoxy)methane	100	92.2	92.2	56.4-10.0
111-44-4	Bis(2-chloroethyl)ether	100	83.9	83.9	44.6-93.2
108-60-1	Bis(2-chloroisopropyl)ether	100	87.5	87.5	53.5-102
117-81-7	Bis(2-ethylhexyl)phthalate	100	116	116	47.2-121
101-55-3	4-bromophenyl phenyl ether	100	89.0	89.0	42.1-110
85-68-7	Butylbenzylphthalate	100	123	123*	52.8-120
106-47-8	4-Chloroaniline	100	157	157*	10.0-248
59-50-7	4-Chloro-3-methylphenol	100	93.7	93.7	64.3-97.6
91-58-7	2-Chloronaphthalene	100	92.0	92.0	59.0-100
95-57-8	2-Chlorophenol	100	82.3	82.3	56.9-93.4
7005-72-3	4-Chlorophenyl phenyl ether	100	100	100	64.4-106
218-01-9	Chrysene	100	108	108*	65.8-106
84-74-2	Di-n-Butylphthalate	100	98.5	98.5	61.8-110
117-84-0	Di-n-octylphthalate	100	123	123*	21.0-118
53-70-3	Dibenzo[a,h]anthracene	100	116	116*	40.6-112
132-64-9	Dibenzofuran	100	90.9	90.9	69.2-103
95-50-1	1,2-Dichlorobenzene	100	53.8	53.8	24.2-91.0
541-73-1	1,3-Dichlorobenzene	100	47.7	47.7	18.0-84.5
106-46-7	1,4-Dichlorobenzene	100	49.7	49.7	20.6-82.8
91-94-1	3,3'-Dichlorobenzidine	100	150	150*	10.0-360
120-83-2	2,4-Dichlorophenol	100	88.1	88.1	57.9-96.6
84-66-2	Diethylphthalate	100	106	106*	65.8-102
105-67-9	2,4-Dimethylphenol	100	86.5	86.5	18.2-110
131-11-3	Dimethylphthalate	100	99.9	99.9*	60.2-99.5
534-52-1	4,6-Dinitro-2-methylphenol	100	75.2	75.2	40.4-103
51-28-5	2,4-Dinitrophenol	100	78.5	78.5	40.5-106
121-14-2	2,4-Dinitrotoluene	100	113	113*	63.7-101
606-20-2	2,6-Dinitrotoluene	100	105	105*	61.6-99.2
206-44-0	Fluoranthene	100	98.9	98.9	64.0-103
86-73-7	Fluorene	100	105	105*	67.2-102
118-74-1	Hexachlorobenzene	100	90.7	90.7	45.0-112

LABORATORY CONTROL SAMPLE SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Paradigm Analytical Laboratories, INC.

Lab Code: NC00919 Case No.: SAS No.: SDG No:

Matrix: (soil/water) WATER — Lab Sample ID: LCS3298

Sample wt/vol: 5 (mL) — Lab File ID: 0727628.D

Level: (low/med) LOW

% Moisture: NA Decanted:(Y/N) NA — Date Analyzed: 07/28/05 00:26

Concentrated Extract Volume: 5 (mL) — Dilution Factor: 1

Injection Volume: 1 (µL) — Extraction: (Type) CONT

GPC Cleanup: N

CAS NO.	COMPOUND	SPIKE AMT (µg/L)	SAMP CONC (µg/L)	% REC #	QC LIMITS
87-68-3	Hexachlorobutadiene	100	57.4	57.4	26.0-94.3
77-47-4	Hexachlorocyclopentadiene	100	34.8	34.8*	10.0-126
67-72-1	Hexachloroethane	100	33.0	33.0*	10.0-89.9
193-39-5	Indeno(1,2,3-c,d)pyrene	100	105	105	42.8-105
78-59-1	Isophorone	100	112	112	62.3-112
90-12-0	1-Methylnaphthalene	100	85.9	85.9	58.1-105
91-57-6	2-Methylnaphthalene	100	78.4	78.4	57.9-103
95-48-7	2-Methylphenol	100	90.3	90.3	58.9-96.1
108-39-4	4-Methylphenol	200	152	76.3	48.4-99.9
621-64-7	N-Nitrosodi-n-propylamine	100	100	100	62.6-108
86-30-6	Diphenylamine	100	132	132*	10.0-214
91-20-3	Naphthalene	100	78.7	78.7	46.1-10.0
88-74-4	2-Nitroaniline	100	103	103	68.9-121
99-09-2	3-Nitroaniline	100	329	329*	10.0-649
100-01-6	4-Nitroaniline	100	179	179*	50.1-137
98-95-3	Nitrobenzene	100	92.7	92.7	52.4-97.2
88-75-5	2-Nitrophenol	100	80.7	80.7	49.9-93.7
100-02-7	4-Nitrophenol	100	134	134*	53.7-125
87-86-5	Pentachlorophenol	100	82.7	82.7	37.0-102
85-01-8	Phenanthrene	100	96.6	96.6	59.5-107
108-95-2	Phenol	100	86.4	86.4	57.4-99.5
129-00-0	Pyrene	100	140	140*	44.1-124
120-82-1	1,2,4-Trichlorobenzene	100	67.0	67.0	37.6-97.9
95-95-4	2,4,5-Trichlorophenol	100	96.8	96.8*	59.4-96.8
88-06-2	2,4,6-Trichlorophenol	100	89.3	89.3	57.6-94.8

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: Elm Street, LLC.

Sample Information and Analytical Results	
Sample Identification	EMW-1
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	07/22/05
Date Received	07/23/05
Date Extracted	07/25/05
Date Analyzed	07/25/05
Dry Weight	
Dilution Factor	1
C_5-C_8 Aliphatics**	< 100 (µg/L)
C_9-C_{12} Aliphatics**	< 100 (µg/L)
C_9-C_{10} Aromatics**	< 100 (µg/L)
Surrogate % Recovery - PID	110
Surrogate % Recovery - FID	110

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards.

Lab Info: g161-2085-1d

Reviewed By: RW

Paradigm Analytical Laboratories, INC.

II

VPH SURROGATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	S1 (FID) #	S2 (PID) #	QC LIMITS	TOT OUT
01	EMW-1	G161-2085-1D	031F0101.D	110	110	70-130	0
02							
03							
04							
05							
06							
07							
08							
09							
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35							

S1 (FID) = 4-bromofluorobenzene
S2 (PID) = 4-bromofluorobenzene

Paradigm Analytical Laboratories, INC.

IV

VPH METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK4072505A

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab Sample ID: VBLK4072505A Lab File ID: 006F0101.D

Date Analyzed: 2005-07-25 Instrument ID: GC4

Time Analyzed: 10:28 GC Column:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	EMW-1	G161-2085-1D	031F0101.D	2005-07-25 23:06
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
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34				
35				

COMMENTS: _____

LCS Results for VPH
by MDEP-VPH

Client Sample ID:	LCS	Date Analyzed:	7/25/2005
Client Project ID:		Analyzed By:	DCS
Lab Sample ID:	VLCS4072505	Date Collected:	
Lab Project ID:		Date Received:	
Matrix:	Water	Dilution:	1.0

Compound	Spike ug/L	LCS ug/L	Percent Recovery	Recovery Limits Low	High
C_5-C_8 Aliphatics		225			
C_9-C_{12} Aliphatics		120			
C_9-C_{10} Aromatics		68			
Gasoline	500	413	83	70	130

Reviewed By:

Comments:
BQL = Below Quantitation Limit

MS/MSD Results for VPH
by MDEP-VPH

Client Sample ID:	Batch QC	Date Analyzed:	7/25/2005
Client Project ID:		Analyzed By:	DCS
Lab Sample ID:	QC4072505	Date Collected:	
Lab Project ID:		Date Received:	
Matrix:	Water	Dilution:	1.0

Compound	Sample ug/L	MS ug/L	MSD ug/L
C_5-C_8 Aliphatics	BQL	225	225
C_9-C_{12} Aliphatics	BQL	120	114
C_9-C_{10} Aromatics	BQL	67.5	71

		Total	%Rec	Total	%Rec	RPD
Gasoline	BQL	413	83%	410	82%	0.6

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: _____

Project Name: _____

Sample Information and Analytical Results	
Sample Identification	Method Blank
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	
Date Received	
Date Extracted	
Date Analyzed	07/25/05
Dry Weight	
Dilution Factor	1
C_5-C_8 Aliphatics**	< 100 (µg/L)
C_9-C_{12} Aliphatics**	< 100 (µg/L)
C_9-C_{10} Aromatics**	< 100 (µg/L)
Surrogate % Recovery - PID	94
Surrogate % Recovery - FID	96

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand. or Option 3 = Field weight of soil

** = Excludes any surrogates or internal standards

Lab Info: vblk4072505a

Reviewed By: _____

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 07/14/05 PID Initial Calibration Date: 07/14/05

Calibration Ranges and Limits

Range	MDL (07/15/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_5-C_8 Aliphatics	4.4	14	100	10
C_9-C_{12} Aliphatics	3.4	11	100	10
C_9-C_{10} Aromatics	0.13	0.41	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	%RSD or CCC	Method of Quantitation
C_5-C_8 Aliphatics	40	10.9	Calibration Factor
	1000		
	2000		
	3000		
	4000		
C_9-C_{12} Aliphatics	10	21.9	Calibration Factor
	250		
	500		
	750		
	1000		
C_9-C_{10} Aromatics	10	19.5	Calibration Factor
	250		
	500		
	750		
	1000		

Calibration Check Date: 07/25/05

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	11.8
C_9-C_{12} Aliphatics	500	50	6.4
C_9-C_{10} Aromatics	500	50	-1.7

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Elm Street, LLC.

Sample Information and Analytical Results	
Sample Identification	EMW-1
Sample Matrix	Water
Date Collected	07/22/05
Date Received	07/23/05
Date Extracted	07/29/05
Date Analyzed	08/01/05
Dry Weight	
Dilution Factor	1
C_9-C_{18} Aliphatics*	< 100 (ug/L)
C_{19}-C_{36} Aliphatics*	< 100 (ug/L)
C_{11}-C_{22} Aromatics*	< 100 (ug/L)
Aliphatic Surrogate % Recovery	95
Aromatic Surrogate % Recovery	98

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2085-1N

Reviewed By: RNP

Paradigm Analytical Laboratories, INC.

II

EPH SURROGATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	LAB SAMPLE ID	S1 (COD) #	S2 (OTP) #	S3 (frac) #	QC LIMITS	TOT OUT
01	EMW-1	G161-2085-1N	95	98	--	40 - 140	0
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
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33							
34							
35							

S1 (COD) = Chloro-octadecane
S2 (OTP) = ortho-terphenyl
S3 (frac) = 2-Bromonaphthalene

Paradigm Analytical Laboratories, INC

4C

EPH METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB3329

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab Sample ID: PB3329 Extraction: (Type) 3520

Matrix: (soil/water) WATER Date Extracted: 2005-07-29

GC Column: RTX-5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID
01	EMW-1	G161-2085-1N
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		
13		
14		
15		
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33		

COMMENTS:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: _____

Project Name: _____

Sample Information and Analytical Results	
Sample Identification	Method Blank
Sample Matrix	Water
Date Collected	
Date Received	
Date Extracted	07/29/05
Date Analyzed	08/01/05
Dry Weight	
Dilution Factor	1
C_9-C_{18} Aliphatics*	< 100 (ug/L)
C_{19}-C_{36} Aliphatics*	< 100 (ug/L)
C_{11}-C_{22} Aromatics*	< 100 (ug/L)
Aliphatic Surrogate % Recovery	95
Aromatic Surrogate % Recovery	91

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: pb3329

Reviewed By: _____

LCS Results for EPH
by MDEP-EPH

Client Sample ID:	LCS	Date Analyzed:	9/23/2005
Client Project ID:		Analyzed By:	CLP
Lab Sample ID:	LCS3339	Date Collected:	
Lab Project ID:		Date Received:	
Matrix:	Water	Dilution:	1.0

Compound	Spiked ug/L	LCS ug/L	%Rec	%Recovery Limits Lower	Upper
C_9-C_{18} Aliphatics	200	110	55	40	140
C_{19}-C_{36} Aliphatics	300	300	100	40	140
C_{11}-C_{22} Aromatics	500	460	92	40	140

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit

MS/MSD Results for EPH
by MDEP-EPH

Client Sample ID:	Batch QC	Date Analyzed:	9/23/2005
Client Project ID:		Analyzed By:	DCS
Lab Sample ID:	QC3339	Date Collected:	
Lab Project ID:		Date Received:	
Matrix:	Water	Dilution:	1 0

Compound	Sample ug/L	MS ug/L	%Rec	MSD ug/L	%Rec	RPD
C_9-C_{18} Aliphatics	BQL	3200	380%	910	108%	111.4
C_{19}-C_{36} Aliphatics	BQL	900	71%	660	52%	30 8
C_{11}-C_{22} Aromatics	240	1400	55%	1300	50%	9 0

Reviewed By:

Comments:
BQL = Below Quantitation Limit

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 07/05/05

Calibration Ranges and Limits

Range	MDL (2/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_9-C_{18} Aliphatics	3.84	12.2	100	10
C_{19}-C_{36} Aliphatics	0.57	1.8	100	10
C_{11}-C_{22} Aromatics	4.54	14.4	100	10

Calibration Concentration Levels

Range	Levels (µg/mL)	%RSD or CCC	Method of Quantitation
C_9-C_{18} Aliphatics	6	16.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	9.4	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	16.4	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 08/01/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	18.0
C_{19}-C_{36} Aliphatics	160	-4.3
C_{11}-C_{22} Aromatics	340	-10.1

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

Results for Organics
by EPA 504

Client Sample ID:	EMW-1	Analyzed By:	CLP
Client Project ID:	Elm Street, LLC	Date Collected:	7/22/05 13:35
Lab Sample ID:	G161-2085-1O	Date Received:	7/23/05 10:35
Lab Project ID:	G161-2085	Matrix:	Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0.0201	1	8/1/05

Reviewed By: _____

8011_LIMS_1 3

Paradigm Analytical Laboratories, INC.

4C

EDB/8011 METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB3343

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab Sample ID: PB3343 Lab File ID: 009F0801.D

Matrix: (soil/water) WATER Instrument ID: ECD2

Date Analyzed: 2005-08-01 GC Column: RTX-5

Time Analyzed: 20:03

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	EMW-1	G161-2085-10	013F1201.D	2005-08-01 21:28
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
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27				
28				
29				
30				
31				
32				
33				

COMMENTS:

Results for Organics
by EPA 504

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3343
Lab Project ID:

Analyzed By: CLP
Date Collected:
Date Received:
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0.0202	1	8/1/05

Reviewed By: RNW

8011_LIMS_13

QC Results for EDB
by EPA 8011/504

Client Sample ID: Batch QC
Lab Sample ID: G311-130-1P
Batch ID: 3343

Analyzed By: CLP
Matrix: Water

MS/MSD

Analyte	Sample ug/L	Spiked ug/L	MS ug/L	REC %	Spiked ug/L	MSD ug/L	REC %	RPD %
EDB	BQL	0 0559	0 0591	106	0 0559	0 0608	109	2 79

LCS

Analyte		Spiked ug/L	Result ug/L	REC %	Limits	
					Lower	Upper
EDB		0 059988	0 0592	98 7	70	130

Comments:

= Outside Control Limits

Results for Metals

Client Sample ID:	EMW-1	Analyzed By:	RML
Client Project ID:	Elm Street, LLC	Date Collected:	7/22/2005 13:35
Lab Sample ID:	G161-2085-1	Date Received:	7/23/2005
Lab Project ID:	G161-2085	Matrix:	WATER
Batch ID:	3306		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	**133**	5.00	25	UG/L	6020	7/27/2005

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
Sample prepared by SM 3030C

Reviewed By: _____
MET_LIMS_3 1

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	RML
Client Project ID:		Date Collected:	
Lab Sample ID:	pb3306	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	3306		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	5.00	25	UG/L	6020	7/27/2005

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
Sample prepared by SM 3030C.

Reviewed By: _____
MET_LIMS_3 1

MS/MSD Results for METALS

Lab ID: G122-2627-1
MS Lab ID: G122-2627-1
MSD Lab ID: G122-2627-1
ICP Batch: 3306
HG Batch:
Other:

Analyzed By: RML
Matrix: Water
Units: MG/L

Analyte	Sample Result	SA MS	MS Result	MS %REC	SA MSD	MSD Result	MSD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Lead	0.0102	40.0	36	90.0	40.0	37.9	94.7	75	125	5.1421	20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By: RML

METALS Results for LCS/LCD

ICP Batch: 3306
HG Batch:
Other:

Matrix: WATER
Units: MG/L

Analyte	TRUE Value	LCS	LCS %REC	LCD	LCD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Lead	0.40	0.353	88.2	0.351	87.7	80	120	0.57	20

Reviewed By: _____

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: Paradigm Analytical Initial Cal Source Environmental Express

Batch ID: 072705b MS Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	200	231.72	115.9	500			500			90-110
Antimony	60			5			5			90-110
Arsenic	10			5			5			90-110
Barium	200			5			5			90-110
Beryllium	5			5			5			90-110
Cadmium	5			5			5			90-110
Calcium	5000	4702.37	94.0	500	2.65	0.5	500	3.76	0.8	90-110
Chromium	10			5			5			90-110
Cobalt	50			5			5			90-110
Copper	25			5			5			90-110
Iron	100	106.99	107.0	500	2.87	0.6	500			90-110
Lead	5	4.89	97.8	5	4.99	99.8	5	4.94	98.7	90-110
Magnesium	5000	4648 39	93.0	500			500			90-110
Manganese	15			5			5			90-110
Nickel	40			5			5			90-110
Potassium	5000	5021.97	100.4	500			500			90-110
Selenium	5			5			5			90-110
Silver	10			5			5			90-110
Sodium	5000	4690.88	93.8	500			500			90-110
Thallium	10			5			5			90-110
Vanadium	50			5			5			90-110
Zinc	20			50			50			90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: Paradigm Analytical Initial Cal Source Environmental Express

Batch ID: 072705b MS Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV (4)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	200	231.72	115.9	500			500			90-110
Antimony	60			5			5			90-110
Arsenic	10			5			5			90-110
Barium	200			5			5			90-110
Beryllium	5			5			5			90-110
Cadmium	5			5			5			90-110
Calcium	5000	4702.37	94.0	500	5.08	1.0	500	4.46	0.9	90-110
Chromium	10			5			5			90-110
Cobalt	50			5			5			90-110
Copper	25			5			5			90-110
Iron	100	106.99	107.0	500			500			90-110
Lead	5	4 89	97.8	5	4.96	99.2	5	5.03	100.7	90-110
Magnesium	5000	4648 39	93.0	500			500			90-110
Manganese	15			5			5			90-110
Nickel	40			5			5			90-110
Potassium	5000	5021.97	100.4	500			500			90-110
Selenium	5			5			5			90-110
Silver	10			5			5			90-110
Sodium	5000	4690.88	93.8	500			500			90-110
Thallium	10			5			5			90-110
Vanadium	50			5			5			90-110
Zinc	20			50			50			90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: Paradigm Analytical Initial Cal Source Environmental Express

Batch ID: 072705b MS Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (5)			CCV ( )			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	200	231.72	115.9	500			500			90-110
Antimony	60			5			5			90-110
Arsenic	10			5			5			90-110
Barium	200			5			5			90-110
Beryllium	5			5			5			90-110
Cadmium	5			5			5			90-110
Calcium	5000	4702.37	94.0	500	3.32	0.7	500			90-110
Chromium	10			5			5			90-110
Cobalt	50			5			5			90-110
Copper	25			5			5			90-110
Iron	100	106 99	107.0	500	0.55	0.1	500			90-110
Lead	5	4 89	97.8	5	5.00	100.0	5			90-110
Magnesium	5000	4648 39	93.0	500			500			90-110
Manganese	15			5			5			90-110
Nickel	40			5			5			90-110
Potassium	5000	5021 97	100.4	500	2.66	0.5	500			90-110
Selenium	5			5			5			90-110
Silver	10			5			5			90-110
Sodium	5000	4690.88	93.8	500			500			90-110
Thallium	10			5			5			90-110
Vanadium	50			5			5			90-110
Zinc	20			50			50			90-110

Comments:

FORM IIA - METALS

3
BLANKS

Lab Name: Paradigm Analytical

Batch ID: 072705b MS

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C	3	C	4	C		
Aluminum	10	U	10	U	10	U	10	U		
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium	10	U	11.117	#	11.461	#	12.115	#		
Chromium										
Cobalt										
Copper										
Iron	10	U	10	U	10	U	10	U		
Lead	0.1	U	0.1	U	0.1	U	0.1	U		
Magnesium	10	U	10	U	10	U	10	U		
Manganese										
Mercury										
Nickel										
Potassium	10	U	10	U	10	U	10	U		
Selenium										
Silver										
Sodium	10	U	10	U	10	U	10	U		
Thallium										
Vanadium										
Zinc										

Comments:

FORM III - METALS

3
BLANKS

Lab Name: Paradigm Analytical)

Batch ID: 072705b MS

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	5	C		C		C		
Aluminum	10	U	10	U						
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium	10	U	10	U						
Chromium										
Cobalt										
Copper										
Iron	10	U	10	U						
Lead	0.1	U	0.1	U						
Magnesium	10	U	10	U						
Manganese										
Mercury										
Nickel										
Potassium	10	U	10	U						
Selenium										
Silver										
Sodium	10	U	10	U						
Thallium										
Vanadium										
Zinc										

Comments:

FORM III - METALS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Paradigm Analytical ICS Source: Environmental Express

Batch ID: 072705b ICP ID Number: ICPMS 1

Concentration Units: ug/L

	TRUE		Initial Found			Final Found		
	Sol.	Sol.	Sol.	Sol.		Sol.	Sol.	
Analyte	A	B	A	B	%R	A	B	%R
Aluminum	5000	5000	4752.6	4921.82	98.4	4911.19	5012.2	100.2
Antimony	0	3	0	0	0.0	0	0	0.0
Arsenic	0	3	0	0	0.0	0	0	0.0
Barium	0	3	0	0	0.0	0	0	0.0
Beryllium	0	3	0	0	0.0	0	0	0.0
Cadmium	0	3	0	0	0.0	0	0	0.0
Calcium	5000	5000	4784.1	4983.24	99.7	4818.6	5012.99	100.3
Chromium	0	3	0	0	0.0	0	0	0.0
Cobalt	0	3	0	0	0.0	0	0	0.0
Copper	0	3	0	0	0.0	0	0	0.0
Iron	5000	5000	4703.24	4673.41	93.5	4745.02	4695.2	93.9
Lead	0	3	0.023	2.972	99.1	0.024	2.984	99.5
Magnesium	5000	5000	4711.94	4902.59	98.1	4803.91	4853.21	97.1
Manganese	0	3	0	0	0.0	0	0	0.0
Nickel	0	3	0	0	0.0	0	0	0.0
Potassium	5000	5000	5030.16	5221.16	n/a	5110.79	5293.2	n/a
Selenium	0	3	0	0	0.0	0	0	0.0
Silver	0	3	0	0	0.0	0	0	0.0
Sodium	5000	5000	4801.15	4961.84	n/a	5019.45	5078	n/a
Thallium	0	3	0	0	0.0	0	0	0.0
Vanadium	0	3	0	0	0.0	0	0	0.0
Zinc	0	30	0	0	0.0	0	0	0.0

FORM IV - METALS

601/602 Sample Raw Data

Internal Standard Report

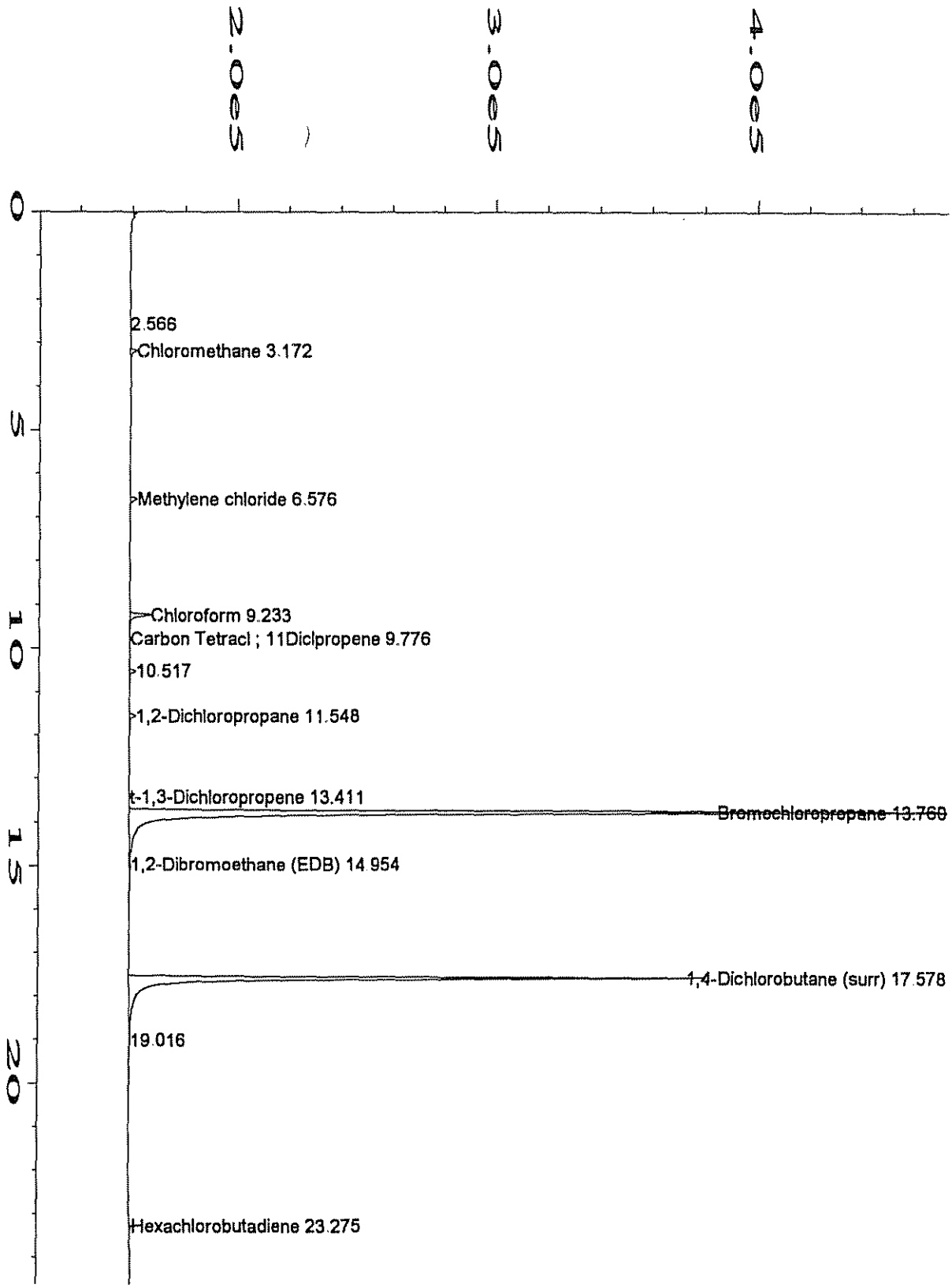
Data File Name : C:\HPCHEM\1\DATA\072605\009F0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2085-1a
Run Time Bar Code:
Acquired on : 26 Jul 05 01:00 PM
Report Created on: 26 Jul 05 01:25 PM
Last Recalib on : 20 JUL 05 09:04 AM
Multiplier : 1

Page Number : 1
Vial Number : 9
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 1 in C:\HPCHEM\1\DATA\072605\009F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.859	* not found *			1		Dichlorodifluoromethane
3.172	13690	BB	0.077	1	~~-0.718~~	Chloromethane
3.369	* not found *			1		Vinyl chloride
3.977	* not found *			1		Bromomethane
4.192	* not found *			1		Chloroethane
4.718	* not found *			1		Trichlorofluoromethane
5.683	* not found *			1		1,1-Dichloroethene
6.576	14843	BB	0.081	1	~~-0.700~~	Methylene chloride
7.045	* not found *			1		t-1,2-Dichloroethene
7.759	* not found *			1		1,1-Dichloroethane
8.710	* not found *			1		c-12Diclethene ; 22Diclpropane
9.095	* not found *			1		Bromochloromethane
9.233	39803	BB	0.072	1	~~-0.796~~	Chloroform
9.505	* not found *			1		1,1,1-Trichloroethane
9.776	2173	BB	0.070	1	~~-2.194~~	Carbon Tetracl ; 11Diclpropene
10.120	* not found *			1		1,2-Dichloroethane
11.112	* not found *			1		Trichloroethene
11.548	13493	BB	0.075	1	~~-1.072~~	1,2-Dichloropropane
11.647	* not found *			1		Dibromomethane
11.900	* not found *			1		Bromodichloromethane
12.636	* not found *			1		c-1,3-Dichloropropene
13.411	1849	BB	0.065	1	~~0.292~~	t-1,3-Dichloropropene
13.760	1823744	BV	0.080	1-I	40.000	Bromochloropropane
13.925	* not found *			1		1,1,2-Trichloroethane
14.193	* not found *			1		Tetraclethene ; 13Diclpropane
14.624	* not found *			1		Dibromochloromethane
14.954	4743	VB	0.115	1	~~-0.664~~	1,2-Dibromoethane (EDB)
15.686	* not found *			1		Chlorobenzene
15.824	* not found *			1		1,1,1,2-Tetrachloroethane
17.109	* not found *			1		Bromoform
17.578	1108324	BV	0.075	1	95.559	1,4-Dichlorobutane (surr)
17.927	* not found *			1		Brbenzene;123triclprop;1122tet
18.262	* not found *			1		2-Chlorotoluene
18.448	* not found *			1		4-Chlorotoluene
19.529	* not found *			1		1,3-Dichlorobenzene
19.679	* not found *			1		1,4-Dichlorobenzene
20.305	* not found *			1		1,2-Dichlorobenzene
21.616	* not found *			1		1,2-Dibromo-3-chloropropane
22.987	* not found *			1		1,2,4-Trichlorobenzene
23.275	2340	BB	0.034	1	~~-0.984~~	Hexachlorobutadiene
23.788	* not found *			1		1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\072605\009F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 9
Sample Name	: g161-2085-1a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 01:00 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Jul 05 01:25 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\072605\008F0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2085-2a
Run Time Bar Code:
Acquired on : 26 Jul 05 12:29 PM
Report Created on: 26 Jul 05 12:54 PM
Last Recalib on : 20 JUL 05 09:04 AM
Multiplier : 1

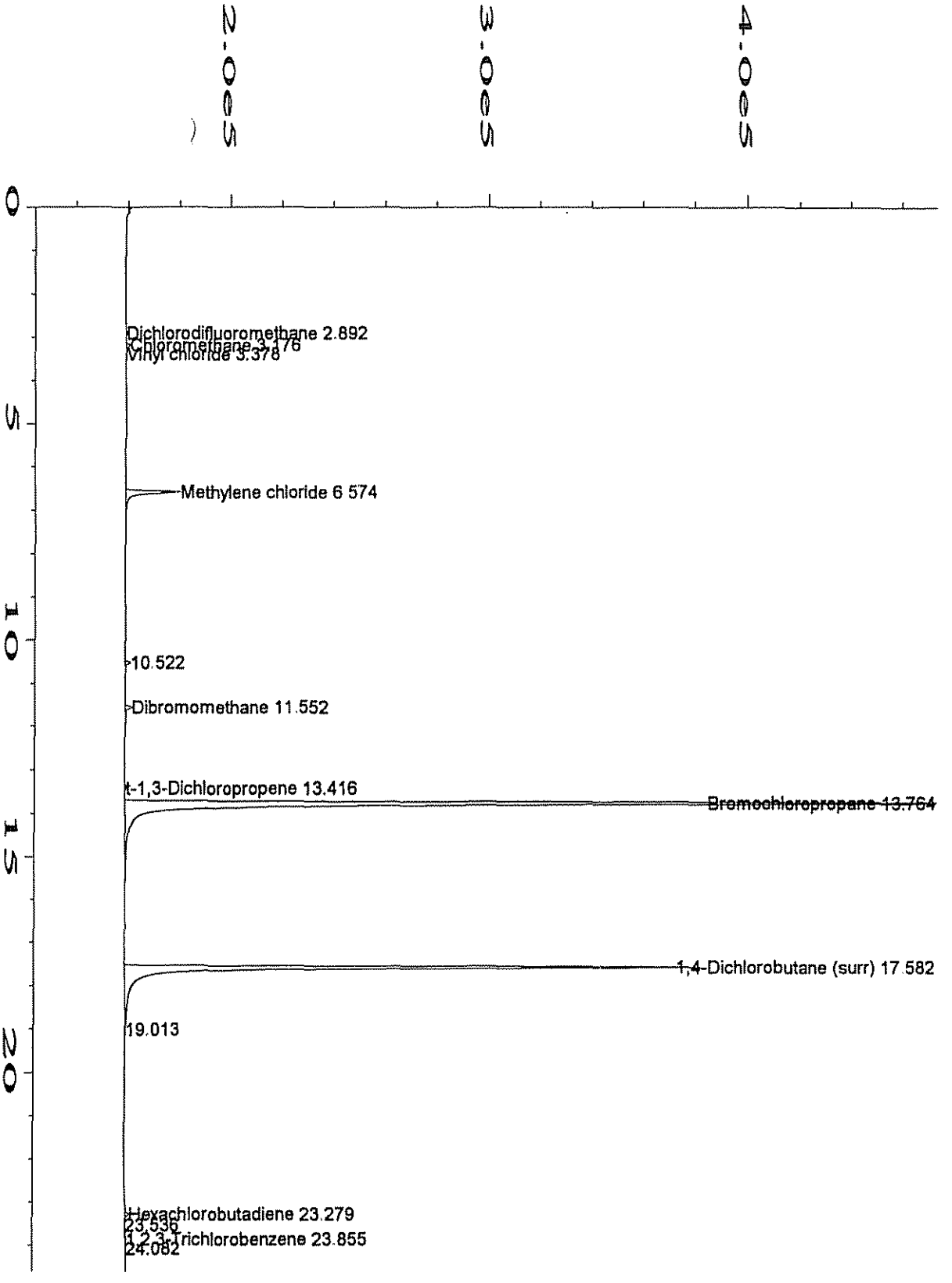
Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

mjl 7/27

Sig. 1 in C:\HPCHEM\1\DATA\072605\008F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.892	817	BB	0.047	1	~~-0.799~~	Dichlorodifluoromethane
3.176	7212	BV	0.074	1	~~-0.775~~	Chloromethane
3.378	1272	VB	0.100	1	~~-1.124~~	Vinyl chloride
3.977	* not found *			1		Bromomethane
4.192	* not found *			1		Chloroethane
4.718	* not found *			1		Trichlorofluoromethane
5.683	* not found *			1		1,1-Dichloroethene
6.574	112873	BB	0.076	1	~~-0.138~~	Methylene chloride
7.045	* not found *			1		t-1,2-Dichloroethene
7.759	* not found *			1		1,1-Dichloroethane
8.710	* not found *			1		c-12Diclethene ; 22Diclpropane
9.095	* not found *			1		Bromochloromethane
9.232	* not found *			1		Chloroform
9.505	* not found *			1		1,1,1-Trichloroethane
9.771	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.120	* not found *			1		1,2-Dichloroethane
11.112	* not found *			1		Trichloroethene
11.454	* not found *			1		1,2-Dichloropropane
11.552	13626	BB	0.079	1	~~-0.0431~~	Dibromomethane
11.900	* not found *			1		Bromodichloromethane
12.636	* not found *			1		c-1,3-Dichloropropene
13.416	1875	BB	0.061	1	~~0.292~~	t-1,3-Dichloropropene
13.764	1866941	BB	0.078	1-I	40.000	Bromochloropropane
13.925	* not found *			1		1,1,2-Trichloroethane
14.193	* not found *			1		Tetraclethene ; 13Diclpropane
14.624	* not found *			1		Dibromochloromethane
14.824	* not found *			1		1,2-Dibromoethane (EDB)
15.686	* not found *			1		Chlorobenzene
15.824	* not found *			1		1,1,1,2-Tetrachloroethane
17.109	* not found *			1		Bromoform
17.582	1130846	BV	0.072	1	95.245	1,4-Dichlorobutane (surr)
17.927	* not found *			1		Brbenzene;123triclprop;1122tet
18.262	* not found *			1		2-Chlorotoluene
18.448	* not found *			1		4-Chlorotoluene
19.529	* not found *			1		1,3-Dichlorobenzene
19.679	* not found *			1		1,4-Dichlorobenzene
20.305	* not found *			1		1,2-Dichlorobenzene
21.616	* not found *			1		1,2-Dibromo-3-chloropropane
22.987	* not found *			1		1,2,4-Trichlorobenzene
23.279	8052	VV	0.080	1	-0.930	Hexachlorobutadiene
23.855	5525	VV	0.170	1	-0.503	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\072605\008F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 8
Sample Name	: g161-2085-2a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 12:29 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	26 Jul 05 12:54 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\072605\007F0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2085-3a
Run Time Bar Code:
Acquired on : 26 Jul 05 11:58 AM
Report Created on: 26 Jul 05 12:23 PM
Last Recalib on : 20 JUL 05 09:04 AM
Multiplier : 1

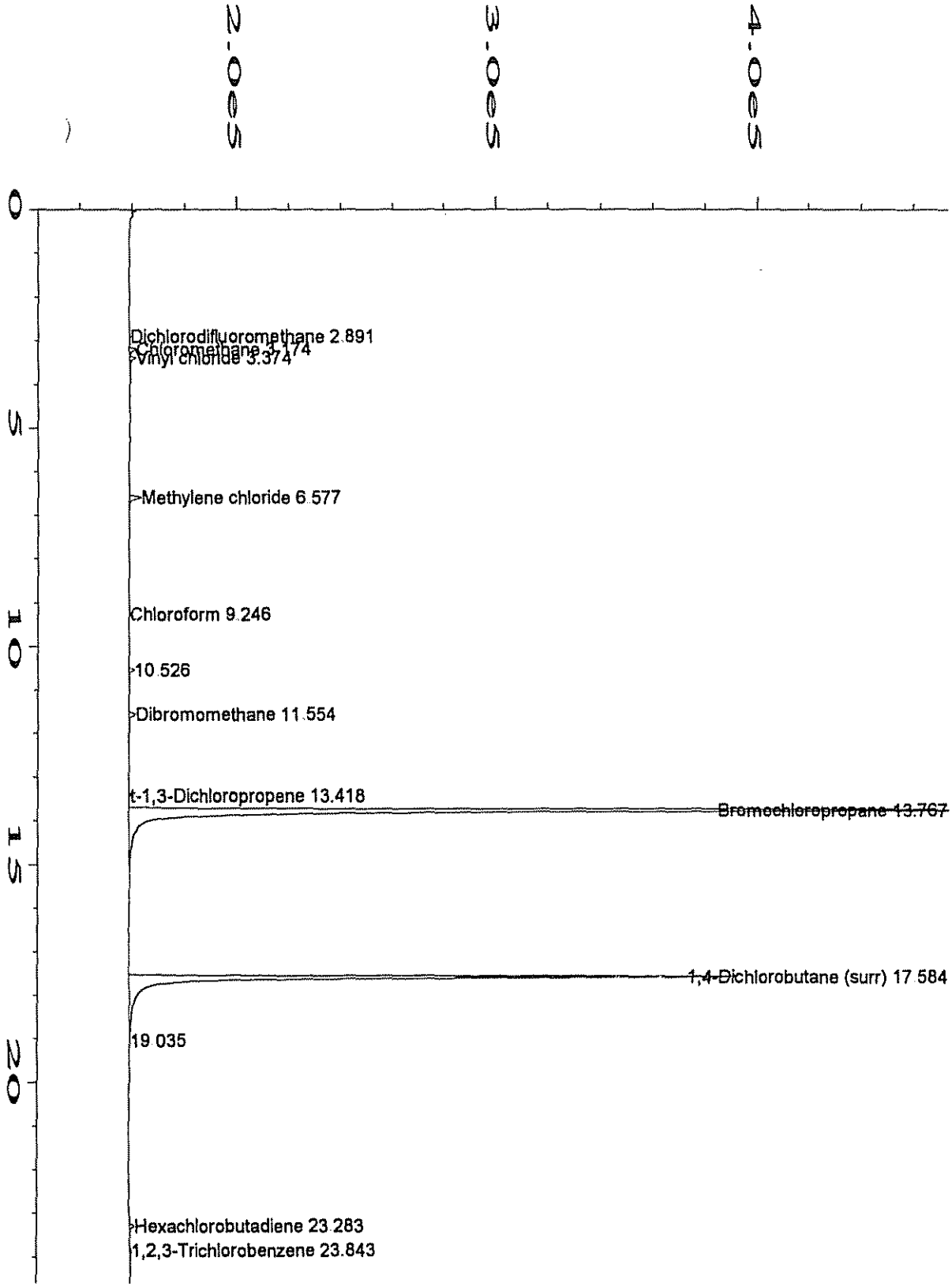
Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

MML 7/27

Sig. 1 in C:\HPCHEM\1\DATA\072605\007F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.891	1496	BB	0.047	1	~~-0.793~~	Dichlorodifluoromethane
3.174	13848	VV	0.068	1	~~-0.725~~	Chloromethane
3.374	13152	VB	0.074	1	~~-1.019~~	Vinyl chloride
3.977	* not found *			1		Bromomethane
4.192	* not found *			1		Chloroethane
4.718	* not found *			1		Trichlorofluoromethane
5.683	* not found *			1		1,1-Dichloroethene
6.577	23945	BB	0.071	1	~~-0.657~~	Methylene chloride
7.045	* not found *			1		t-1,2-Dichloroethene
7.759	* not found *			1		1,1-Dichloroethane
8.710	* not found *			1		c-12Diclethene ; 22Diclpropane
9.095	* not found *			1		Bromochloromethane
9.246	1400	BB	0.066	1	~~-0.978~~	Chloroform
9.505	* not found *			1		1,1,1-Trichloroethane
9.771	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.120	* not found *			1		1,2-Dichloroethane
11.112	* not found *			1		Trichloroethene
11.454	* not found *			1		1,2-Dichloropropane
11.554	13928	BB	0.076	1	~~-0.0499~~	Dibromomethane
11.900	* not found *			1		Bromodichloromethane
12.636	* not found *			1		c-1,3-Dichloropropene
13.418	2116	BB	0.063	1	~~0.293~~	t-1,3-Dichloropropene
13.767	1965260	BB	0.080	1-I	40.000	Bromochloropropane
13.925	* not found *			1		1,1,2-Trichloroethane
14.193	* not found *			1		Tetraclethene ; 13Diclpropane
14.624	* not found *			1		Dibromochloromethane
14.824	* not found *			1		1,2-Dibromoethane (EDB)
15.686	* not found *			1		Chlorobenzene
15.824	* not found *			1		1,1,1,2-Tetrachloroethane
17.109	* not found *			1		Bromoform
17.584	1169129	BV	0.074	1	93.543	1,4-Dichlorobutane (surr)
17.927	* not found *			1		Brbenzene;123triclprop;1122tet
18.262	* not found *			1		2-Chlorotoluene
18.448	* not found *			1		4-Chlorotoluene
19.529	* not found *			1		1,3-Dichlorobenzene
19.679	* not found *			1		1,4-Dichlorobenzene
20.305	* not found *			1		1,2-Dichlorobenzene
21.616	* not found *			1		1,2-Dibromo-3-chloropropane
22.987	* not found *			1		1,2,4-Trichlorobenzene
23.283	11271	BB	0.081	1	-0.904	Hexachlorobutadiene
23.843	5163	BB	0.109	1	-0.516	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\072605\007F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 7
Sample Name	: g161-2085-3a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 11:58 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Jul 05 12:23 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\072605\009R0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2085-1a
Run Time Bar Code:
Acquired on : 26 Jul 05 01:00 PM
Report Created on: 26 Jul 05 01:25 PM
Last Recalib on : 20 JUL 05 08:33 AM
Multiplier : 1

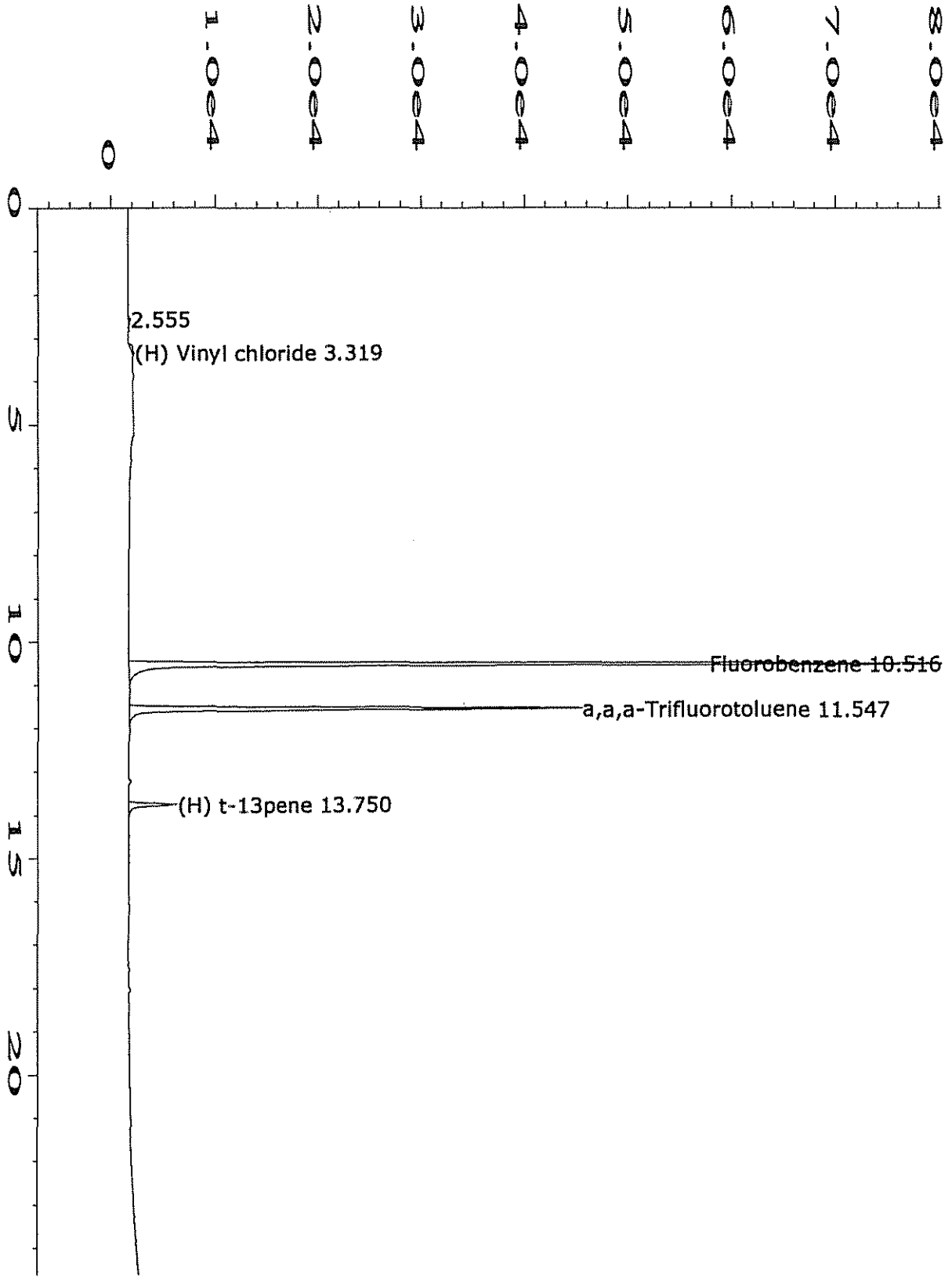
Page Number : 1
Vial Number : 9
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 2 in C:\HPCHEM\1\DATA\072605\009R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.319	3343	BB	0.181	1	~~-0.180~~	(H) Vinyl chloride
5.672	* not found *			1		(H) 1,1-Dichloroethene
7.039	* not found *			1		MTBE ; (H) t-12DCE
7.894	* not found *			1		DIPE
8.707	* not found *			1		(H) c-12dce
9.762	* not found *			1		(H) 11-Diclpropene
10.085	* not found *			1		Benzene
10.516	360771	BV	0.063	1-I	40.000	Fluorobenzene
11.104	* not found *			1		(H) Trichloroethene
11.547	191894	BV	0.068	1	102.442	a,a,a-Trifluorotoluene
12.627	* not found *			1		(H) c-13pene
13.202	* not found *			1		Toluene
13.750	22551	BB	0.072	1	~~4.603~~	(H) t-13pene
14.177	* not found *			1		(H) Tetrachloroethene
15.678	* not found *			1		(H) Chlorobenzene
15.870	* not found *			1		Ethylbenzene
16.077	* not found *			1		m-Xylene ; p-Xylene
16.777	* not found *			1		o-Xylene ; Styrene
17.401	* not found *			1		Isopropylbenzene
17.917	* not found *			1		(H) Bromobenzene
18.111	* not found *			1		n-Propylbenzene
18.255	* not found *			1		(H) 2Cltoluene
18.428	* not found *			1		135-Trimethylbenzene;4-cltolu
18.965	* not found *			1		tert-Butylbenzene
19.051	* not found *			1		124-Trimethylbenzene
19.338	* not found *			1		sec-Butylbenzene
19.523	* not found *			1		(H) 13dcb
19.673	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.290	* not found *			1		n-Butylbenzene ; (H) 12dcb
22.979	* not found *			1		(H) 124-Triclbenzene
23.269	* not found *			1		(H) Hexaclbutadiene
23.379	* not found *			1		Naphthalene
23.780	* not found *			1		(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\072605\009R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 9
Sample Name	: g161-2085-1a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 01:00 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Jul 05 01:25 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\072605\008R0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2085-2a
Run Time Bar Code:
Acquired on : 26 Jul 05 12:29 PM
Report Created on: 26 Jul 05 12:54 PM
Last Recalib on : 20 JUL 05 08:33 AM
Multiplier : 1

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

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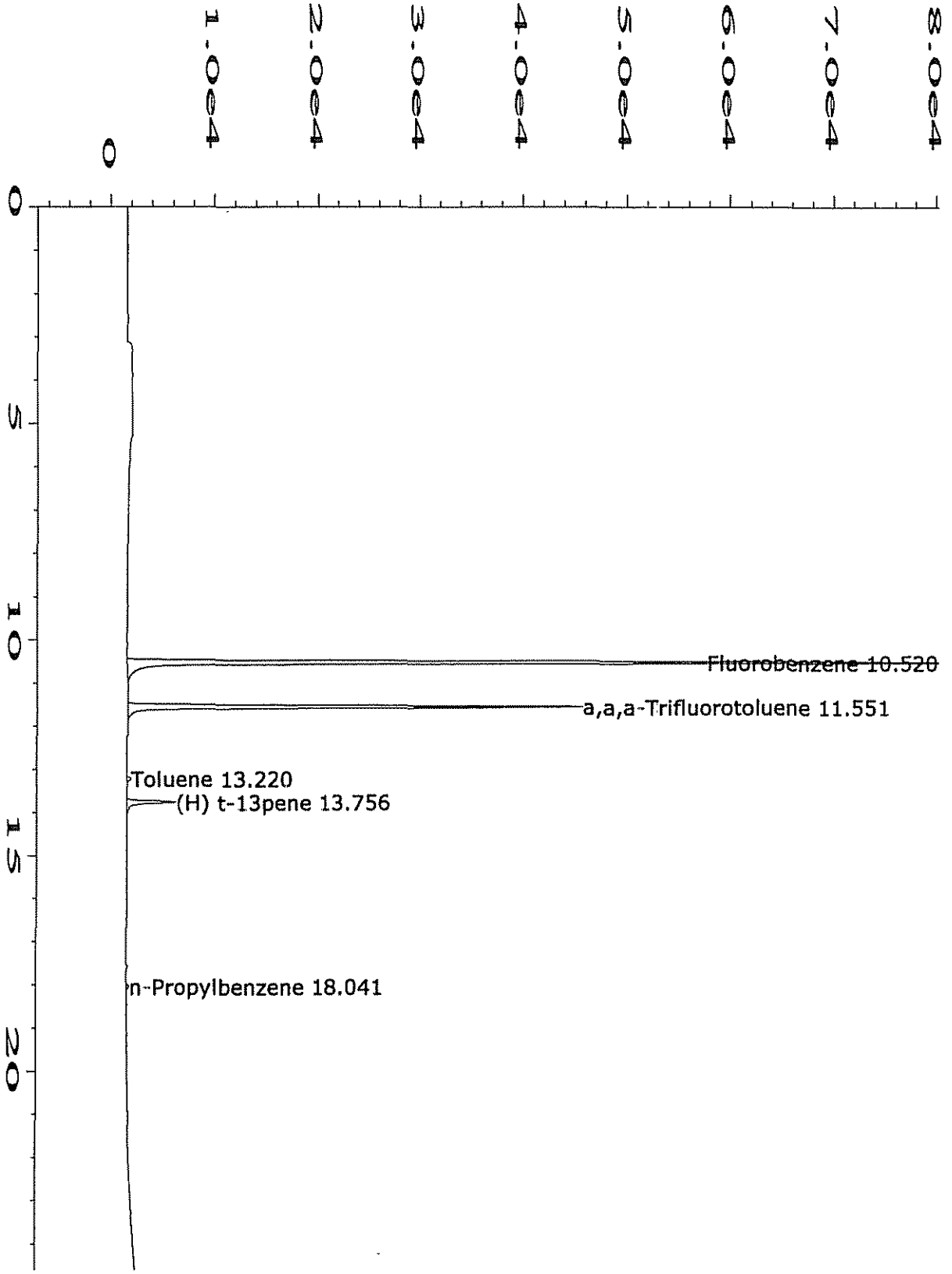
Sig. 2 in C:\HPCHEM\1\DATA\072605\008R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.360	* not found *			1		(H) Vinyl chloride
5.672	* not found *			1		(H) 1,1-Dichloroethene
7.039	* not found *			1		MTBE ; (H) t-12DCE
7.894	* not found *			1		DIPE
8.707	* not found *			1		(H) c-12dce
9.762	* not found *			1		(H) 11-Diclpropene
10.085	* not found *			1		Benzene
10.520	360748	BV	0.063	1-I	40.000	Fluorobenzene
11.104	* not found *			1		(H) Trichloroethene
11.551	191793	BB	0.068	1	102.395	a,a,a-Trifluorotoluene
12.627	* not found *			1		(H) c-13pene
13.220	2121	BB	0.062	1	~~-0.0288~~	Toluene
13.756	23041	BB	0.074	1	~~4.690~~	(H) t-13pene
14.177	* not found *			1		(H) Tetrachloroethene
15.678	* not found *			1		(H) Chlorobenzene
15.870	* not found *			1		Ethylbenzene
16.077	* not found *			1		m-Xylene ; p-Xylene
16.777	* not found *			1		o-Xylene ; Styrene
17.401	* not found *			1		Isopropylbenzene
17.917	* not found *			1		(H) Bromobenzene
18.041	1474	BB	0.071	1	~~-0.138~~	n-Propylbenzene
18.255	* not found *			1		(H) 2Cltoluene
18.428	* not found *			1		135-Trimethylbenzene;4-cltolu
18.965	* not found *			1		tert-Butylbenzene
19.051	* not found *			1		124-Trimethylbenzene
19.338	* not found *			1		sec-Butylbenzene
19.523	* not found *			1		(H) 13dcb
19.673	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.290	* not found *			1		n-Butylbenzene ; (H) 12dcb
22.979	* not found *			1		(H) 124-Triclbenzene
23.269	* not found *			1		(H) Hexaclbutadiene
23.379	* not found *			1		Naphthalene
23.780	* not found *			1		(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\072605\008R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 8
Sample Name	: g161-2085-2a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 12:29 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Jul 05 12:54 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\072605\007R0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2085-3a
Run Time Bar Code:
Acquired on : 26 Jul 05 11:58 AM
Report Created on: 26 Jul 05 12:23 PM
Last Recalib on : 20 JUL 05 08:33 AM
Multiplier : 1

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

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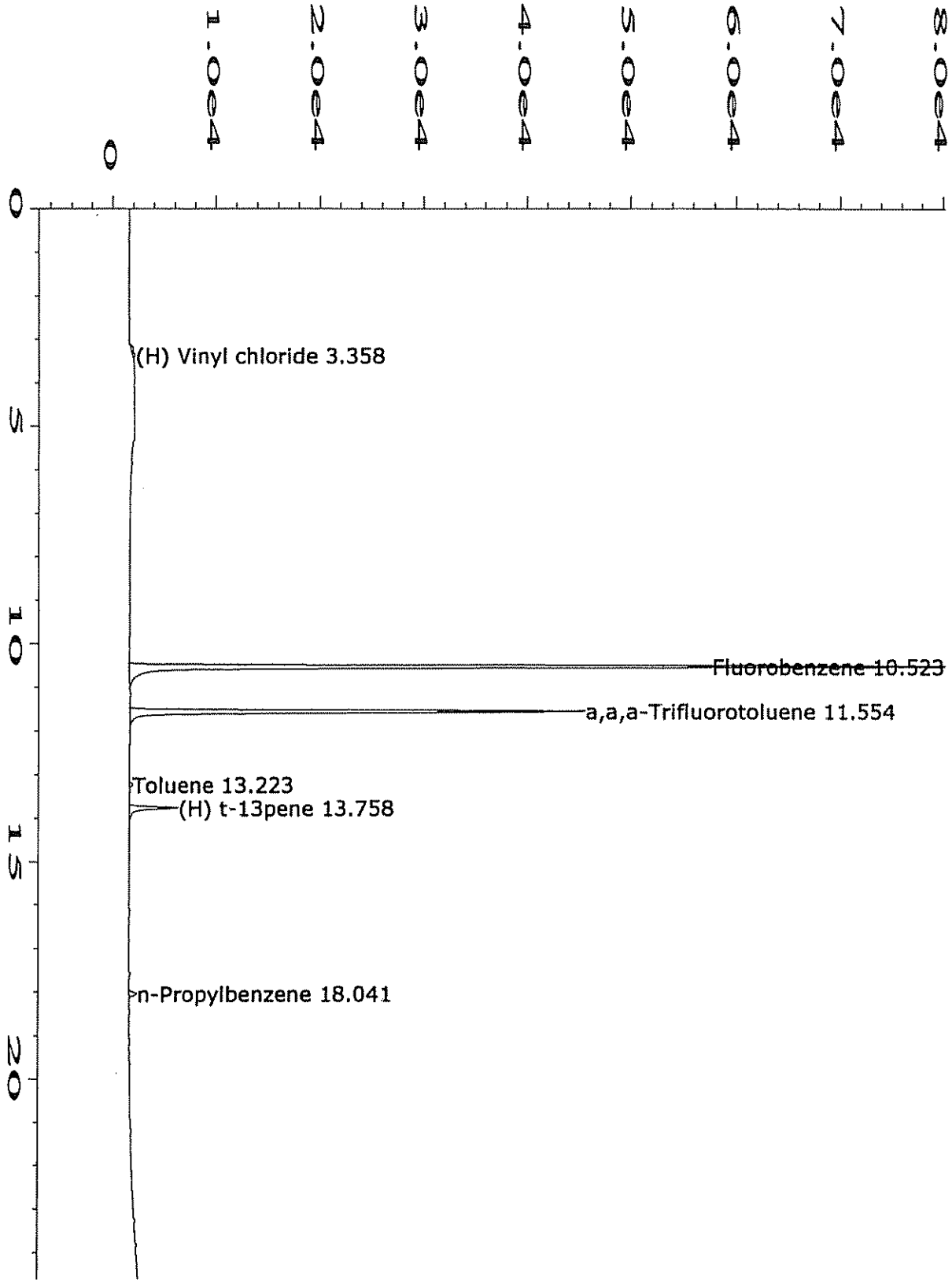
Sig. 2 in C:\HPCHEM\1\DATA\072605\007R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.358	2998	BB	0.135	1	~~-0.244~~	(H) Vinyl chloride
5.672	* not found *			1		(H) 1,1-Dichloroethene
7.039	* not found *			1		MTBE ; (H) t-12DCE
7.894	* not found *			1		DIPE
8.707	* not found *			1		(H) c-12dce
9.762	* not found *			1		(H) 11-Diclpropene
10.085	* not found *			1		Benzene
10.523	360413	BV	0.063	1-I	40.000	Fluorobenzene
11.104	* not found *			1		(H) Trichloroethene
11.554	191050	BV	0.067	1	102.093	a,a,a-Trifluorotoluene
12.627	* not found *			1		(H) c-13pene
13.223	1661	BB	0.067	1	~~-0.0449~~	Toluene
13.758	22992	BB	0.073	1	~~4.685~~	(H) t-13pene
14.177	* not found *			1		(H) Tetrachloroethene
15.678	* not found *			1		(H) Chlorobenzene
15.870	* not found *			1		Ethylbenzene
16.077	* not found *			1		m-Xylene ; p-Xylene
16.777	* not found *			1		o-Xylene ; Styrene
17.401	* not found *			1		Isopropylbenzene
17.917	* not found *			1		(H) Bromobenzene
18.041	4223	BB	0.068	1	~~-0.00896~~	n-Propylbenzene
18.255	* not found *			1		(H) 2Cltoluene
18.428	* not found *			1		135-Trimethylbenzene;4-cltolu
18.965	* not found *			1		tert-Butylbenzene
19.051	* not found *			1		124-Trimethylbenzene
19.338	* not found *			1		sec-Butylbenzene
19.523	* not found *			1		(H) 13dcb
19.673	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.290	* not found *			1		n-Butylbenzene ; (H) 12dcb
22.979	* not found *			1		(H) 124-Triclbenzene
23.269	* not found *			1		(H) Hexaclbutadiene
23.379	* not found *			1		Naphthalene
23.780	* not found *			1		(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\072605\007R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 7
Sample Name	: g161-2085-3a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 11:58 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Jul 05 12:23 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

601/602 Calibration Raw Data

INITIAL CALIBRATION SUMMARY

Method: 8010/8020, 8021, 601/602, 6230D
Batch: 071905

Date: 20-Jul-05
Instrument: GC3

ELCD Compound	Slope m	Intercept b	Correlation Coefficient[a] r	#
Dichlorodifluoromethane	0.465	-0.0188	0.997	
Chloromethane	0.388	-0.0198	0.997	
Vinyl chloride	0.437	-0.0272	0.997	
Bromomethane	0.890	-0.00486	0.999	
Chloroethane	0.417	-0.0182	0.998	
Trichlorofluoromethane	0.317	-0.0179	0.998	
1,1-Dichloroethene	0.263	-0.0170	0.997	
Methylene chloride	0.267	-0.0186	0.997	
t-1,2-Dichloroethene	0.256	-0.0196	0.997	
1,1-Dichloroethane	0.248	-0.0188	0.997	
c-12Diclethene ;	0.158	-0.0229	0.996	
Bromochloromethane	0.521	-0.0103	0.998	
Chloroform	0.214	-0.0232	0.997	
1,1,1-Trichloroethane	0.225	-0.0219	0.997	
Carbon Tetracl	0.138	-0.0257	0.996	
1,2-Dichloroethane	0.394	-0.0199	0.997	
Trichloroethene	0.242	-0.0198	0.997	
1,2-Dichloropropane	0.327	-0.0277	0.997	
Dibromomethane	0.797	-0.00621	0.998	
Bromodichloromethane	0.352	-0.0141	0.997	
c-1,3-Dichloropropene	0.402	-0.0111	0.998	
t-1,3-Dichloropropene	0.599	0.00689	0.999	
Bromochloropropane	Internal Standard			
1,1,2-Trichloroethane	0.457	-0.0531	0.998	
Tetraclethene ;	0.166	-0.0291	0.997	
Dibromochloromethane	0.637	-0.0136	0.999	
1,2-Dibromoethane (EDB)	0.861	-0.0184	0.999	
Chlorobenzene	0.621	-0.00655	0.998	
1,1,1,2-Tetrachloroethane	0.257	-0.0246	0.997	
Bromoform	1.26	0.00273	0.999	
1,4-Dichlorobutane (surr)	Surrogate			
Brbenzene;123triclprop;1122tet	0.335	-0.0228	0.999	
2-Chlorotoluene	0.641	-0.0200	0.998	
4-Chlorotoluene	0.647	-0.0235	0.998	
1,3-Dichlorobenzene	0.491	-0.0118	0.998	
1,4-Dichlorobenzene	0.463	-0.0211	0.998	
1,2-Dichlorobenzene	0.564	-0.0164	0.998	
1,2-Dibromo-3-chloropropane	4.40	0.00895	0.994	
1,2,4-Trichlorobenzene	0.704	-0.00717	0.999	
Hexachlorobutadiene	0.446	-0.0246	0.998	
1,2,3-Trichlorobenzene	0.951	-0.0152	0.999	

PID Compound	Slope m	Intercept b	Correlation Coefficient[a] r	#
(H) Vinyl chloride				
(H) 1,1-Dichloroethene				
MTBE ; (H) t-12DCE	0.264	-0.00311	0.999	
DIPE	0.732	0.000939	0.999	
(H) c-12dce				
(H) 11-Diclpropene				
Benzene	0.296	-0.00485	0.999	
Fluorobenzene	Internal Standard			
(H) Trichloroethene				
a,a,a-Trifluorotoluene	Surrogate			
(H) c-13pene				
Toluene	0.318	-0.00323	0.999	
(H) t-13pene				
(H) Tetrachloroethene				
(H) Chlorobenzene				
Ethylbenzene	0.361	-0.00652	0.999	
m-Xylene ; p-Xylene	0.159	-0.00799	0.999	
o-Xylene ; Styrene	0.194	-0.00431	0.999	
Isopropylbenzene	0.467	-0.00527	0.999	
(H) Bromobenzene				
n-Propylbenzene	0.421	-0.00611	0.999	
(H) 2Cltoluene				
135-Trimethylbenzene;4-cltolu	0.167	-0.00897	0.999	
tert-Butylbenzene	0.549	-0.00847	0.999	
124-Trimethylbenzene	0.378	-0.00510	0.999	
sec-Butylbenzene	0.534	-0.00681	0.999	
(H) 13dcb				
p-Isopropyltoluene ; (H) 14dcb	0.428	-0.00464	0.999	
n-Butylbenzene ; (H) 12dcb	0.305	-0.00436	0.999	
(H) 124-Triclbenzene				
(H) Hexaclbutadiene				
Naphthalene	1.70	0.0129	0.999	
(H) 123Triclbenzene				

a = Minimum allowable correlation coefficient is 0.990.

Internal Standard Report

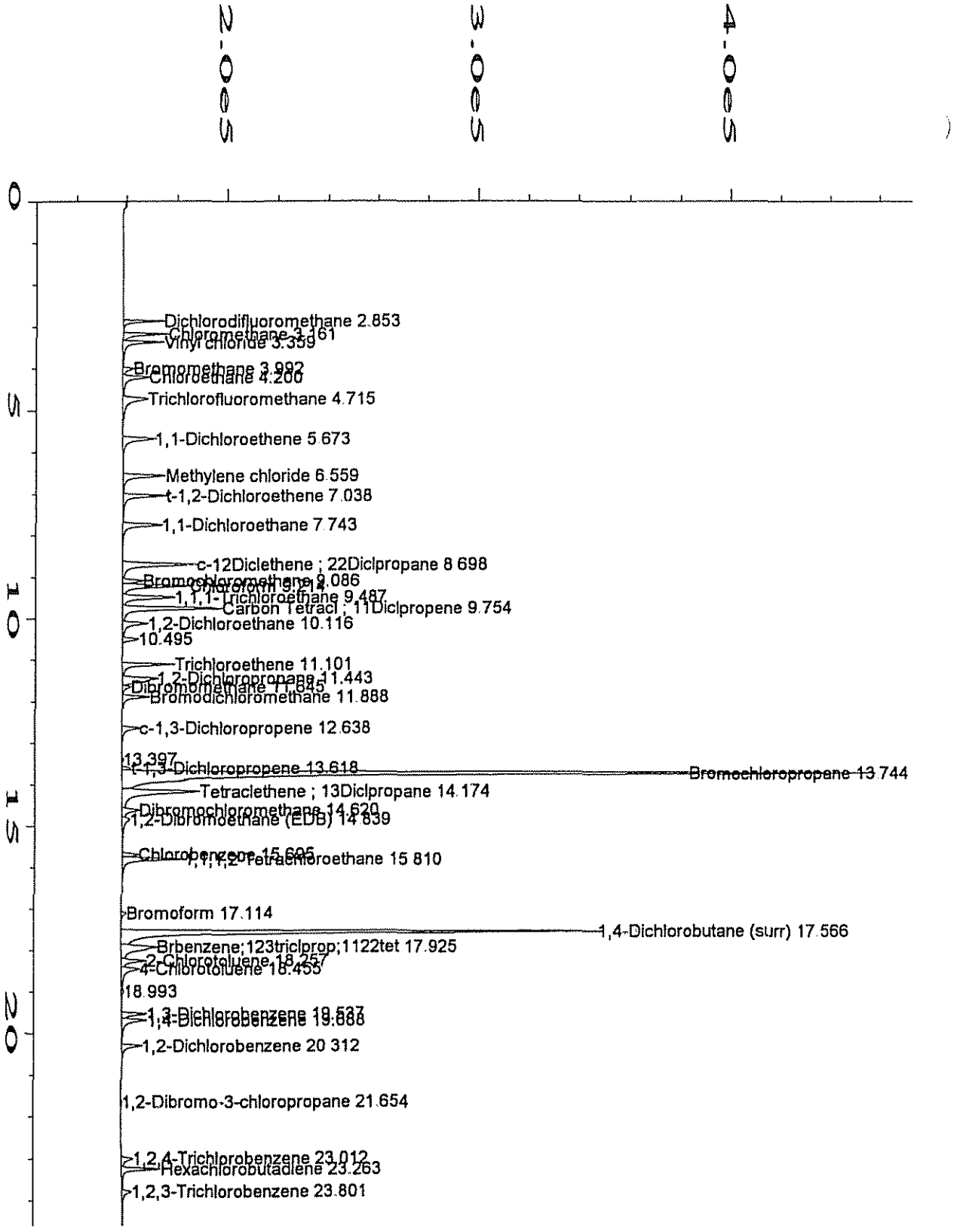
Data File Name : C:\HPCHEM\1\DATA\071905\003F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v0.5
Run Time Bar Code:
Acquired on : 19 Jul 05 10:16 AM
Report Created on: 20 Jul 05 09:19 AM
Last Recalib on : 20 JUL 05 09:04 AM
Multiplier : 1

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

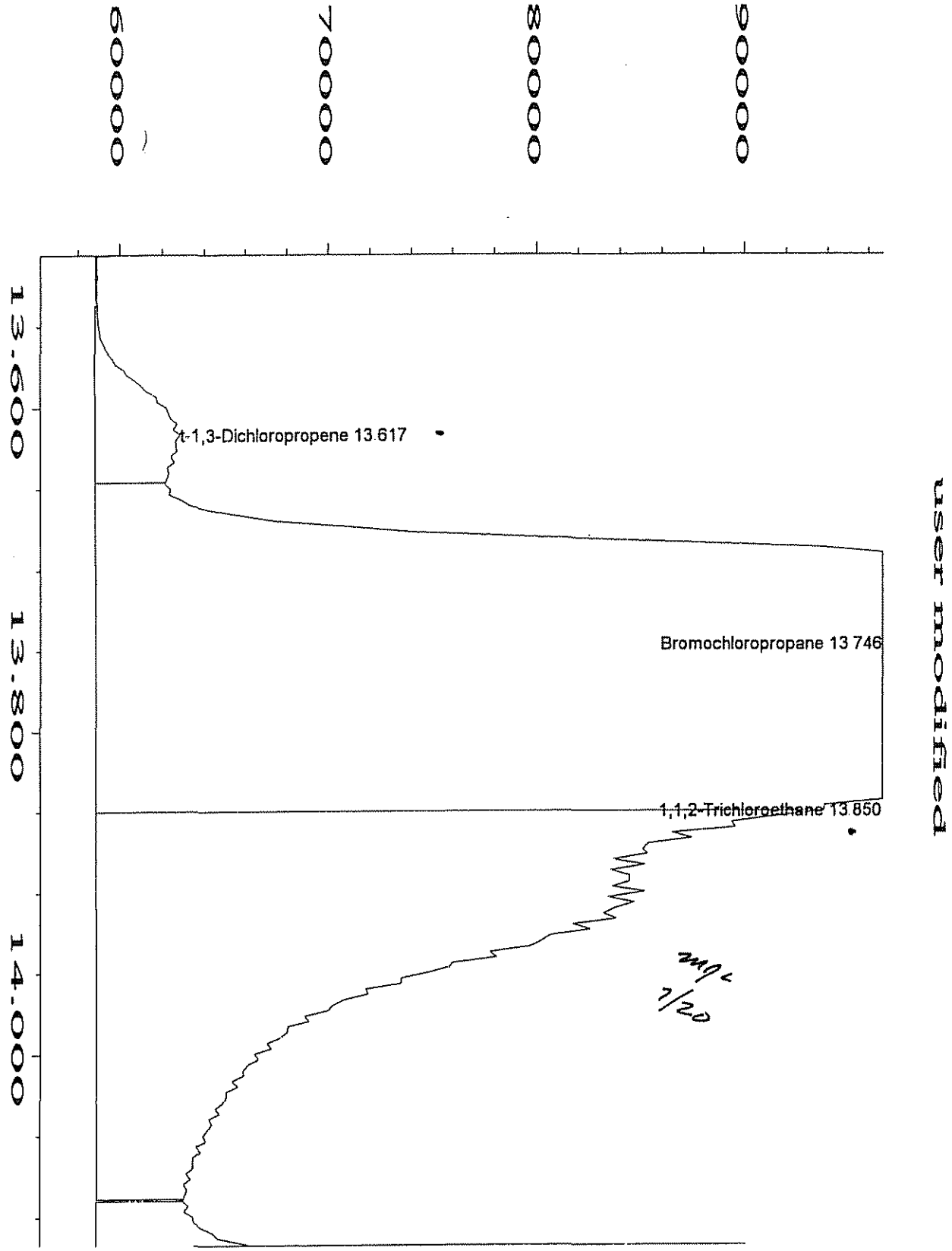
Sig. 1 in C:\HPCHEM\1\DATA\071905\003F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.853	53413	BV	0.048	1	-0.210	Dichlorodifluoromethane
3.161	72255	VV	0.059	1	-0.162	Chloromethane
3.359	85536	VV	0.073	1	-0.238	Vinyl chloride
3.992	23240	VV	0.070	1	0.285	Bromomethane
4.200	69871	VV	0.091	1	-0.0599	Chloroethane
4.715	90438	VB	0.113	1	-0.0623	Trichlorofluoromethane
5.673	84980	BB	0.088	1	-0.190	1,1-Dichloroethene
6.559	90928	BV	0.078	1	-0.204	Methylene chloride
7.038	95262	VV	0.079	1	-0.251	t-1,2-Dichloroethene
7.743	95828	VB	0.086	1	-0.229	1,1-Dichloroethane
8.698	166083	BV	0.077	1	-0.697	c-12Diclethene ; 22Diclpropane
9.086	37798	VV	0.065	1	0.0393	Bromochloromethane
9.214	134581	VV	0.070	1	-0.290	Chloroform
9.487	115677	VV	0.082	1	-0.307	1,1,1-Trichloroethane
9.754	202481	VV	0.075	1	-0.860	Carbon Tetracl ; 11Diclpropene
10.116	65466	VV	0.087	1	-0.230	1,2-Dichloroethane
11.101	97713	BV	0.068	1	-0.282	Trichloroethene
11.443	107914	VV	0.105	1	-0.320	1,2-Dichloropropane
11.645	18788	VV	0.069	1	0.0826	Dibromomethane
11.888	59818	VB	0.076	1	-0.0964	Bromodichloromethane
12.638	47763	BB	0.087	1	-0.0138	c-1,3-Dichloropropene
13.618	14537	VV	0.056	1	0.476	t-1,3-Dichloropropene
13.744	1673143	VV	0.083	1-I	40.000	Bromochloropropane
13.925	* not found *			1		1,1,2-Trichloroethane
14.174	224647	VV	0.094	1	-0.654	Tetraclethene ; 13Diclpropane
14.620	44251	VV	0.087	1	0.115	Dibromochloromethane
14.839	35365	VB	0.140	1	-0.0243	1,2-Dibromoethane (EDB)
15.695	26531	BV	0.058	1	0.111	Chlorobenzene
15.810	130757	VV	0.073	1	-0.221	1,1,1,2-Tetrachloroethane
17.114	13573	BV	0.081	1	0.514	Bromoform
17.566	880679	PV	0.068	1	82.766	1,4-Dichlorobutane (surr)
17.925	126712	VV	0.112	1	0.260	Brbenzene;123triclprop;1122tet
18.257	53363	VV	0.074	1	-0.00635	2-Chlorotoluene
18.455	59902	VV	0.103	1	-0.0386	4-Chlorotoluene
19.537	45923	BV	0.067	1	0.0410	1,3-Dichlorobenzene
19.688	66326	VV	0.088	1	-0.145	1,4-Dichlorobenzene
20.312	44334	PV	0.080	1	-0.0855	1,2-Dichlorobenzene
21.654	3629	BB	0.099	1	0.589	1,2-Dibromo-3-chloropropane
23.012	31226	BV	0.092	1	0.235	1,2,4-Trichlorobenzene
23.263	76595	VV	0.072	1	-0.189	Hexachlorobutadiene
23.801	30380	VB	0.100	1	0.0757	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071905\003F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 3
Sample Name	: v0.5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 19 Jul 05 10:16 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	20 Jul 05 09:19 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



Data File Name	: C:\HPCHEM\1\DATA\071905\003F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 3
Sample Name	: v0.5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 19 Jul 05 10:16 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 20 Jul 05 08:59 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 16 JUL 05 07:43 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

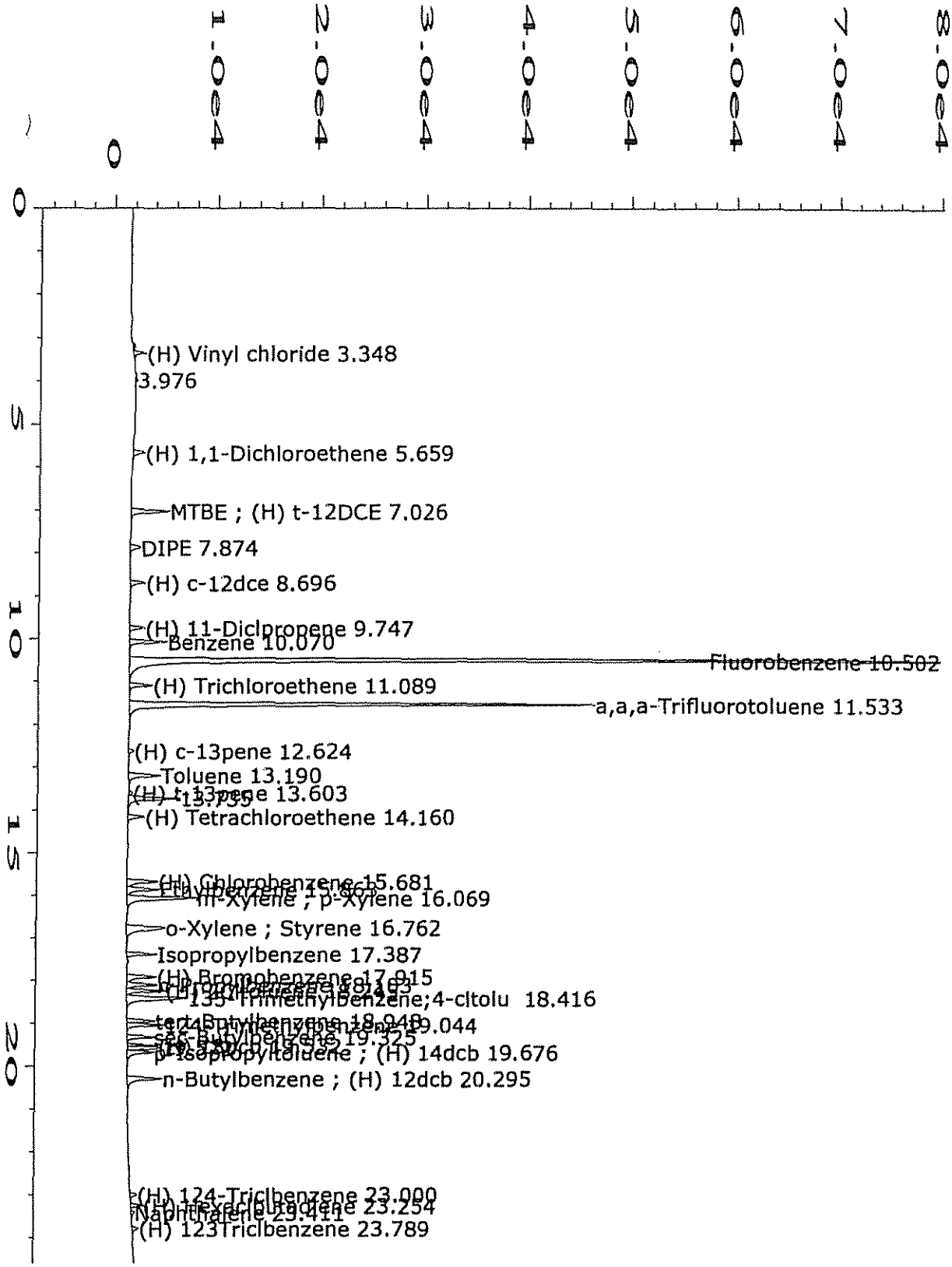
Data File Name : C:\HPCHEM\1\DATA\071905\003R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v0.5
Run Time Bar Code:
Acquired on : 19 Jul 05 10:16 AM
Report Created on: 20 Jul 05 09:19 AM
Last Recalib on : 20 JUL 05 08:33 AM
Multiplier : 1

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 2 in C:\HPCHEM\1\DATA\071905\003R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.348	6463	BB	0.068	1	0.352	(H) Vinyl chloride
5.659	6606	BB	0.078	1	0.295	(H) 1,1-Dichloroethene
7.026	17511	BB	0.069	1	0.794	MTBE ; (H) t-12DCE
7.874	6162	BB	0.086	1	0.540	DIPE
8.696	7002	BB	0.068	1	0.432	(H) c-12dce
9.747	6527	BB	0.065	1	0.360	(H) 11-Diclpropene
10.070	16087	BB	0.065	1	0.344	Benzene
10.502	377058	BV	0.063	1-I	40.000	Fluorobenzene
11.089	9962	VB	0.065	1	0.407	(H) Trichloroethene
11.533	197543	BB	0.067	1	100.903	a,a,a-Trifluorotoluene
12.624	2586	BB	0.071	1	0.585	(H) c-13pene
13.190	15380	BB	0.072	1	0.416	Toluene
13.603	1613	BV	0.061	1	0.879	(H) t-13pene
14.160	7375	VB	0.067	1	0.388	(H) Tetrachloroethene
15.681	14434	BV	0.070	1	0.502	(H) Chlorobenzene
15.863	14980	VV	0.069	1	0.349	Ethylbenzene
16.069	33810	VB	0.073	1	0.589	m-Xylene ; p-Xylene
16.762	27392	BB	0.107	1	0.852	o-Xylene ; Styrene
17.387	11608	BV	0.059	1	0.398	Isopropylbenzene
17.915	13535	BV	0.065	1	0.530	(H) Bromobenzene
18.103	12732	VV	0.061	1	0.363	n-Propylbenzene
18.245	15189	VV	0.057	1	0.338	(H) 2Cltoluene
18.416	33929	VB	0.082	1	0.575	135-Trimethylbenzene;4-cltolu
18.948	10465	BV	0.057	1	0.315	tert-Butylbenzene
19.044	14459	VB	0.060	1	0.414	124-Trimethylbenzene
19.325	10218	BV	0.060	1	0.351	sec-Butylbenzene
19.532	8382	PV	0.046	1	0.531	(H) 13dcb
19.676	13299	VB	0.070	1	0.920	p-Isopropyltoluene ; (H) 14dcb
20.295	17234	BB	0.072	1	0.859	n-Butylbenzene ; (H) 12dcb
23.000	3018	BB	0.060	1	0.523	(H) 124-Triclbenzene
23.254	4184	BV	0.055	1	0.131	(H) Hexaclbutadiene
23.411	1842	PB	0.065	1	0.876	Naphthalene
23.789	2855	BB	0.064	1	0.636	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071905\003R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 3
Sample Name	: v0.5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 19 Jul 05 10:16 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 20 Jul 05 09:19 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

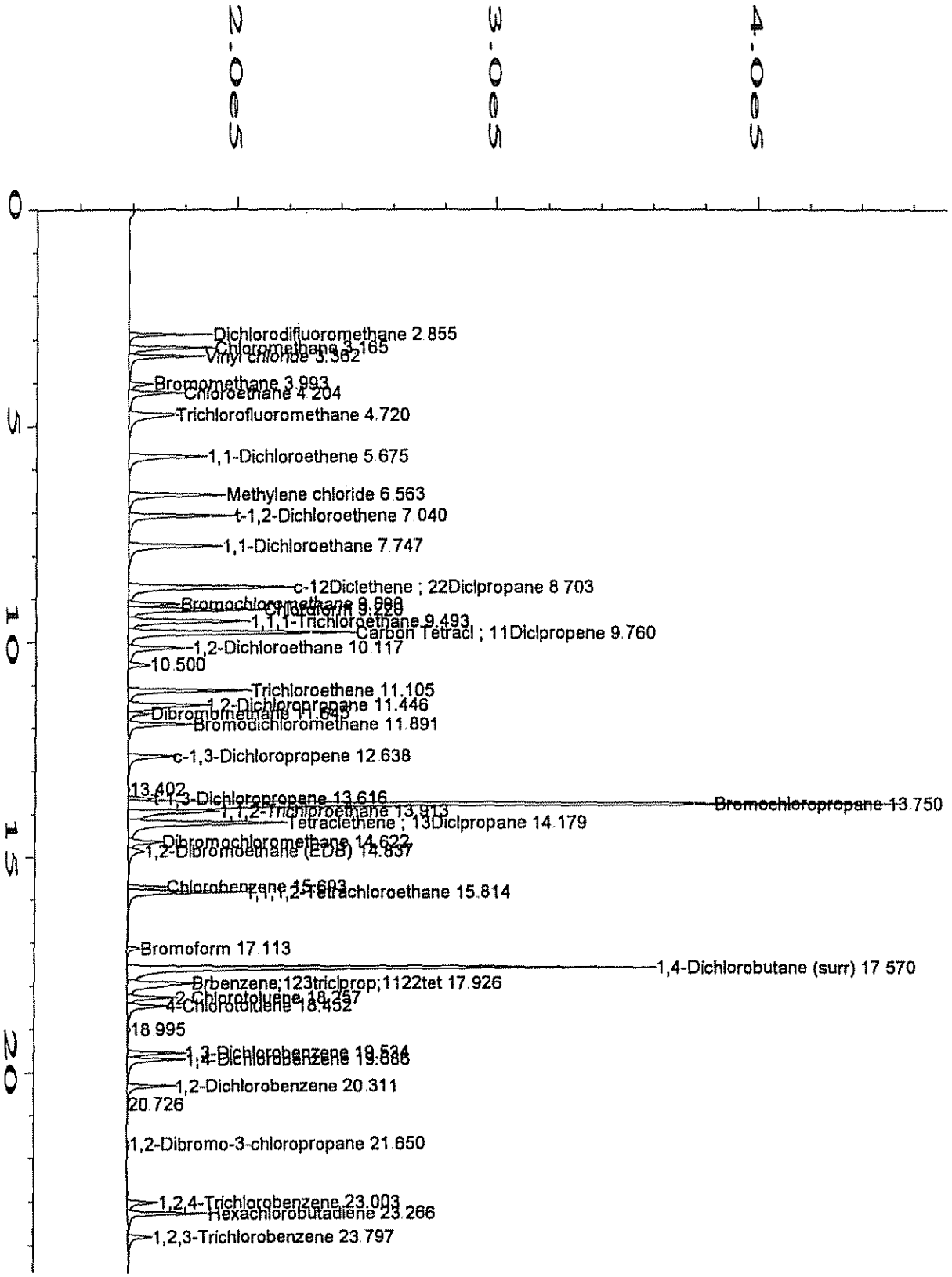
ata File Name : C:\HPCHEM\1\DATA\071905\004F0101.D
perator : MJC
nstrument : GC3
ample Name : v1
un Time Bar Code:
cquired on : 19 Jul 05 10:47 AM
eport Created on: 20 Jul 05 09:19 AM
ast Recalib on : 20 JUL 05 09:04 AM
ultiplier : 1

Page Number) : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

ig. 1 in C:\HPCHEM\1\DATA\071905\004F0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
2.855	98276	BV	0.048	1	0.429	Dichlorodifluoromethane
3.165	129688	VV	0.058	1	0.525	Chloromethane
3.362	137803	VV	0.069	1	0.493	Vinyl chloride
3.993	43888	VV	0.067	1	0.843	Bromomethane
4.204	121489	VV	0.083	1	0.610	Chloroethane
4.720	158366	VB	0.119	1	0.606	Trichlorofluoromethane
5.675	187673	BV	0.089	1	0.608	1,1-Dichloroethene
6.563	195740	VV	0.077	1	0.627	Methylene chloride
7.040	209589	VV	0.076	1	0.615	t-1,2-Dichloroethene
7.747	211354	VV	0.085	1	0.618	1,1-Dichloroethane
8.703	356327	VV	0.081	1	1.093	c-12Diclethene ; 22Diclpropane
9.090	85377	VV	0.063	1	0.767	Bromochloromethane
9.220	269032	VV	0.075	1	0.577	Chloroform
9.493	250635	VV	0.080	1	0.594	1,1,1-Trichloroethane
9.760	441645	VV	0.075	1	1.101	Carbon Tetracl ; 11Diclpropene
10.117	137456	VV	0.079	1	0.617	1,2-Dichloroethane
11.105	215252	BV	0.068	1	0.558	Trichloroethene
11.446	193390	VV	0.090	1	0.545	1,2-Dichloropropane
11.645	46147	VV	0.073	1	0.717	Dibromomethane
11.891	130377	VV	0.076	1	0.638	Bromodichloromethane
12.638	105384	VV	0.083	1	0.670	c-1,3-Dichloropropene
13.616	39675	VV	0.061	1	0.908	t-1,3-Dichloropropene
13.750	1485814	VV	0.074	1-I	40.000	Bromochloropropane
13.913	209754	VV	0.081	1	0.420	1,1,2-Trichloroethane
14.179	390611	VV	0.089	1	1.062	Tetraclethene ; 13Diclpropane
14.622	77403	VV	0.085	1	0.769	Dibromochloromethane
14.837	64324	VV	0.130	1	0.740	1,2-Dibromoethane (EDB)
15.693	61242	VV	0.061	1	0.743	Chlorobenzene
15.814	230667	VV	0.076	1	0.575	1,1,1,2-Tetrachloroethane
17.113	26392	BV	0.074	1	0.999	Bromoform
17.570	887757	PV	0.064	1	93.951	1,4-Dichlorobutane (surr)
17.926	192236	VV	0.102	1	2.417	Brbenzene;123triclprop;1122tet
18.257	88696	VV	0.069	1	0.709	2-Chlorotoluene
18.452	96243	VV	0.084	1	0.713	4-Chlorotoluene
19.534	91551	BV	0.063	1	0.713	1,3-Dichlorobenzene
19.686	124142	VV	0.076	1	0.671	1,4-Dichlorobenzene
20.311	92130	VV	0.070	1	0.718	1,2-Dichlorobenzene
21.650	7425	BB	0.096	1	1.125	1,2-Dibromo-3-chloropropane
23.003	64352	BV	0.076	1	0.930	1,2,4-Trichlorobenzene
23.266	145698	VV	0.068	1	0.746	Hexachlorobutadiene
23.797	61703	VB	0.091	1	0.966	1,2,3-Trichlorobenzene

alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071905\004F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 4
Sample Name	: v1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 19 Jul 05 10:47 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 20 Jul 05 09:19 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

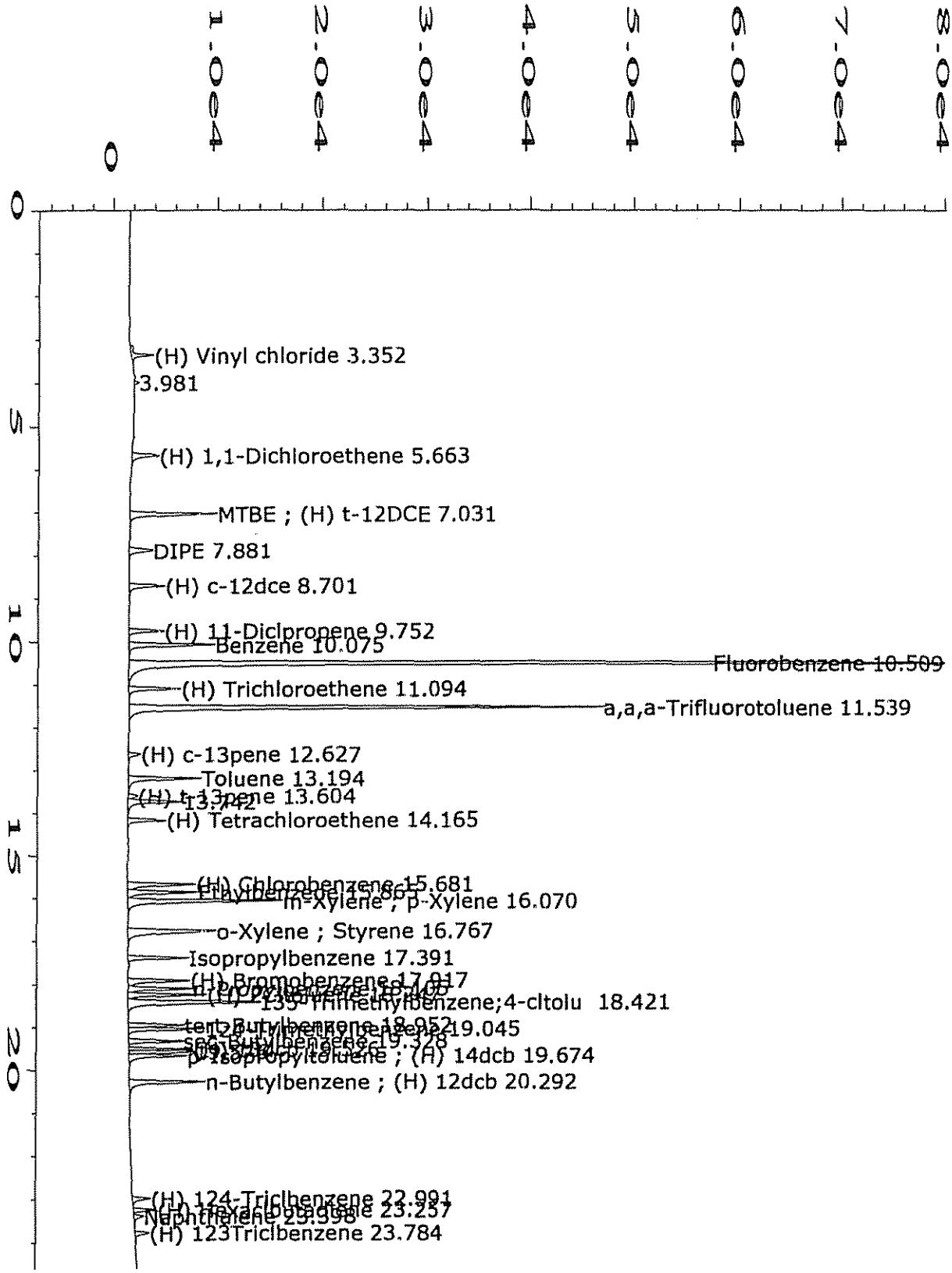
Internal Standard Report

)ata File Name	: C:\HPCHEM\1\DATA\071905\004R0101.D		
)perator	: MJC	Page Number	: 1
nstrument	: GC3	Vial Number	: 4
;ample Name	: v1	Injection Number	: 1
;un Time Bar Code:		Sequence Line	: 1
ıcquired on	: 19 Jul 05 10:47 AM	Instrument Method:	8021_HAL.MTH
;eport Created on:	20 Jul 05 09:19 AM	Analysis Method	: 8021_pid.MTH
;ast Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
ſultiplier	: 1	ISTD Amount	: 40

;ig. 2 in C:\HPCHEM\1\DATA\071905\004R0101.D

;et Time	Area	Type	Width	Ref#	µg/L	Name
3.352	11269	BB	0.070	1	1.190	(H) Vinyl chloride
5.663	14266	BB	0.079	1	0.881	(H) 1,1-Dichloroethene
7.031	38011	BB	0.068	1	1.919	MTBE ; (H) t-12DCE
7.881	13229	BB	0.085	1	1.077	DIPE
8.701	15730	BB	0.069	1	1.023	(H) c-12dce
9.752	14809	BV	0.067	1	0.967	(H) 11-Diclpropene
10.075	34962	VB	0.065	1	0.924	Benzene
10.509	381648	BV	0.063	1-I	40.000	Fluorobenzene
11.094	20925	VB	0.064	1	0.990	(H) Trichloroethene
11.539	199856	BB	0.068	1	100.856	a,a,a-Trifluorotoluene
12.627	5483	BB	0.068	1	1.090	(H) c-13pene
13.194	32342	BV	0.069	1	0.977	Toluene
13.604	4121	VV	0.067	1	1.296	(H) t-13pene
14.165	15516	VB	0.066	1	0.953	(H) Tetrachloroethene
15.681	28918	BV	0.066	1	1.009	(H) Chlorobenzene
15.865	29349	VV	0.065	1	0.887	Ethylbenzene
16.070	66769	VB	0.068	1	1.678	m-Xylene ; p-Xylene
16.767	52003	BV	0.094	1	1.840	o-Xylene ; Styrene
17.391	22562	BV	0.059	1	0.928	Isopropylbenzene
17.917	25809	BV	0.060	1	1.032	(H) Bromobenzene
18.105	24754	VV	0.057	1	0.888	n-Propylbenzene
18.247	28425	VV	0.056	1	0.867	(H) 2Cltoluene
18.421	64378	VV	0.065	1	1.628	135-Trimethylbenzene;4-cltolu
18.952	19834	BV	0.056	1	0.848	tert-Butylbenzene
19.045	27578	VV	0.057	1	0.928	124-Trimethylbenzene
19.328	19770	PV	0.058	1	0.879	sec-Butylbenzene
19.526	19410	PV	0.048	1	1.020	(H) 13dcb
19.674	24621	VB	0.062	1	1.924	p-Isopropyltoluene ; (H) 14dcb
20.292	33813	BB	0.070	1	1.908	n-Butylbenzene ; (H) 12dcb
22.991	7710	BV	0.065	1	1.126	(H) 124-Triclbenzene
23.257	8267	VV	0.055	1	0.755	(H) Hexaclbutadiene
23.398	4514	VB	0.066	1	1.348	Naphthalene
23.784	5896	BB	0.062	1	1.184	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071905\004R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 4
Sample Name	: v1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 19 Jul 05 10:47 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	20 Jul 05 09:19 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

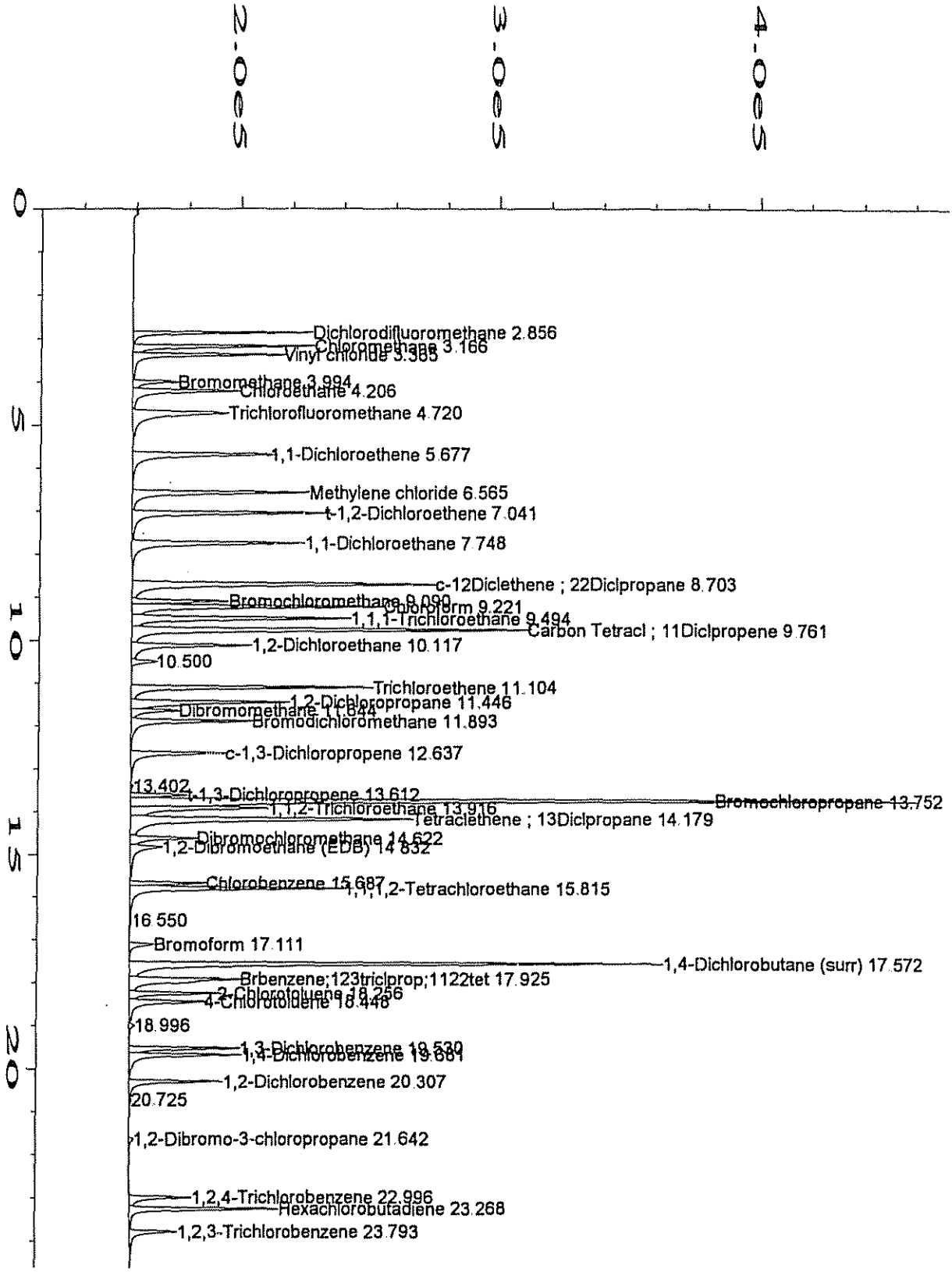
ata File Name : C:\HPCHEM\1\DATA\071905\005F0101.D
perator : MJC
nstrument : GC3
ample Name : v2
un Time Bar Code:
cquired on : 19 Jul 05 11:17 AM
eport Created on: 20 Jul 05 09:19 AM
ast Recalib on : 20 JUL 05 09:04 AM
ultiplier : 1

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

ig. 1 in C:\HPCHEM\1\DATA\071905\005F0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
2.856	214377	BV	0.046	1	1.843	Dichlorodifluoromethane
3.166	263658	VV	0.058	1	1.882	Chloromethane
3.365	258876	VV	0.065	1	1.872	Vinyl chloride
3.994	81706	VV	0.069	1	1.718	Bromomethane
4.206	228115	VV	0.081	1	1.768	Chloroethane
4.720	300055	VV	0.110	1	1.774	Trichlorofluoromethane
5.677	346156	VV	0.092	1	1.693	1,1-Dichloroethene
6.565	354458	VV	0.077	1	1.731	Methylene chloride
7.041	373117	VV	0.072	1	1.705	t-1,2-Dichloroethene
7.748	379748	VV	0.084	1	1.705	1,1-Dichloroethane
8.703	640476	VV	0.080	1	3.436	c-12Diclethene ; 22Diclpropane
9.090	161136	VV	0.065	1	1.793	Bromochloromethane
9.221	473786	VV	0.073	1	1.719	Chloroform
9.494	444489	VV	0.079	1	1.730	1,1,1-Trichloroethane
9.761	765718	VV	0.075	1	3.431	Carbon Tetracl ; 11Diclpropene
10.117	243341	VV	0.077	1	1.704	1,2-Dichloroethane
11.104	400920	BV	0.065	1	1.729	Trichloroethene
11.446	332910	VV	0.077	1	1.731	1,2-Dichloropropane
11.644	92578	VV	0.073	1	1.682	Dibromomethane
11.893	246644	VV	0.076	1	1.704	Bromodichloromethane
12.637	205031	VV	0.079	1	1.714	c-1,3-Dichloropropene
13.612	89458	VV	0.061	1	1.688	t-1,3-Dichloropropene
13.752	1511583	VV	0.075	1-I	40.000	Bromochloropropane
13.916	298871	VV	0.077	1	1.457	1,1,2-Trichloroethane
14.179	667638	VV	0.089	1	3.449	Tetraclethene ; 13Diclpropane
14.622	135177	VV	0.077	1	1.722	Dibromochloromethane
14.832	115134	VV	0.123	1	1.874	1,2-Dibromoethane (EDB)
15.687	120583	VV	0.062	1	1.703	Chlorobenzene
15.815	409291	VV	0.070	1	1.767	1,1,1,2-Tetrachloroethane
17.111	48732	BV	0.075	1	1.726	Bromoform
17.572	890003	PV	0.063	1	92.583	1,4-Dichlorobutane (surr)
17.925	296638	VV	0.095	1	5.106	Brbenzene;123triclprop;1122tet
18.256	149945	VV	0.065	1	1.724	2-Chlorotoluene
18.448	157002	VV	0.076	1	1.727	4-Chlorotoluene
19.530	165260	PV	0.059	1	1.652	1,3-Dichlorobenzene
19.681	212373	VV	0.073	1	1.728	1,4-Dichlorobenzene
20.307	161155	VV	0.065	1	1.728	1,2-Dichlorobenzene
21.642	12551	BB	0.096	1	1.751	1,2-Dibromo-3-chloropropane
22.996	115915	BV	0.071	1	1.870	1,2,4-Trichlorobenzene
23.268	242585	VV	0.064	1	1.862	Hexachlorobutadiene
23.793	100832	VB	0.077	1	1.924	1,2,3-Trichlorobenzene

:alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071905\005F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 5
Sample Name	: v2	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 19 Jul 05 11:17 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 20 Jul 05 09:19 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

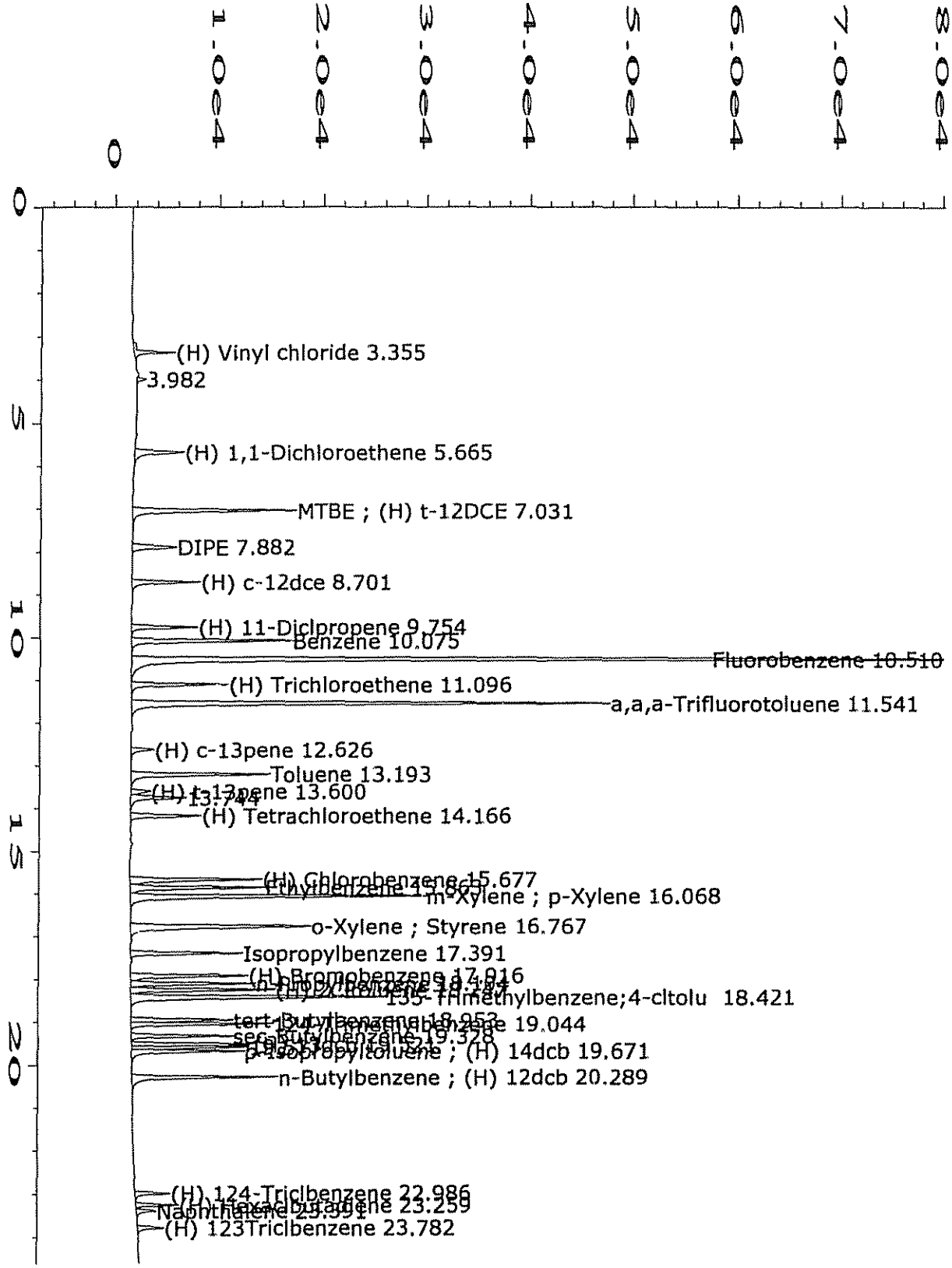
'ata File Name : C:\HPCHEM\1\DATA\071905\005R0101.D
perator : MJC
nstrument : GC3
ample Name : v2
un Time Bar Code:
cquired on : 19 Jul 05 11:17 AM
eport Created on: 20 Jul 05 09:19 AM
ast Recalib on : 20 JUL 05 08:33 AM
ultiplier : 1

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

ig. 2 in C:\HPCHEM\1\DATA\071905\005R0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
3.355	17179	VB	0.061	1	2.214	(H) Vinyl chloride
5.665	26774	BB	0.084	1	1.832	(H) 1,1-Dichloroethene
7.031	70404	BB	0.066	1	3.685	MTBE ; (H) t-12DCE
7.882	24468	BB	0.082	1	1.926	DIPE
8.701	28883	BB	0.065	1	1.907	(H) c-12dce
9.754	27047	BV	0.064	1	1.856	(H) 11-Diclpropene
10.075	64000	VB	0.062	1	1.812	Benzene
10.510	384643	BV	0.062	1-I	40.000	Fluorobenzene
11.096	38209	VB	0.062	1	1.904	(H) Trichloroethene
11.541	202660	BV	0.066	1	101.475	a,a,a-Trifluorotoluene
12.626	10253	BB	0.067	1	1.917	(H) c-13pene
13.193	59674	BV	0.068	1	1.875	Toluene
13.600	8477	VV	0.067	1	2.015	(H) t-13pene
14.166	28656	VB	0.064	1	1.859	(H) Tetrachloroethene
15.677	53316	BV	0.063	1	1.859	(H) Chlorobenzene
15.863	53562	VV	0.063	1	1.788	Ethylbenzene
16.068	122830	VB	0.065	1	3.521	m-Xylene ; p-Xylene
16.767	95392	BV	0.084	1	3.575	o-Xylene ; Styrene
17.391	40986	BV	0.059	1	1.816	Isopropylbenzene
17.916	45927	BV	0.060	1	1.851	(H) Bromobenzene
18.104	45478	VV	0.054	1	1.789	n-Propylbenzene
18.247	50885	VV	0.055	1	1.760	(H) 2Cltoluene
18.421	116746	VV	0.072	1	3.433	135-Trimethylbenzene;4-cltolu
18.953	36001	BV	0.056	1	1.764	tert-Butylbenzene
19.044	49927	VV	0.055	1	1.801	124-Trimethylbenzene
19.328	36175	PV	0.056	1	1.784	sec-Butylbenzene
19.521	39686	VV	0.050	1	1.912	(H) 13dcb
19.671	43586	VB	0.059	1	3.599	p-Isopropyltoluene ; (H) 14dcb
20.289	60822	BB	0.065	1	3.608	n-Butylbenzene ; (H) 12dcb
22.986	13704	BV	0.059	1	1.889	(H) 124-Triclbenzene
23.259	14533	VV	0.054	1	1.708	(H) Hexaclbutadiene
23.391	8484	VB	0.062	1	2.043	Naphthalene
23.782	10379	BV	0.060	1	1.987	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071905\005R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 5
Sample Name	: v2	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 19 Jul 05 11:17 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	20 Jul 05 09:19 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

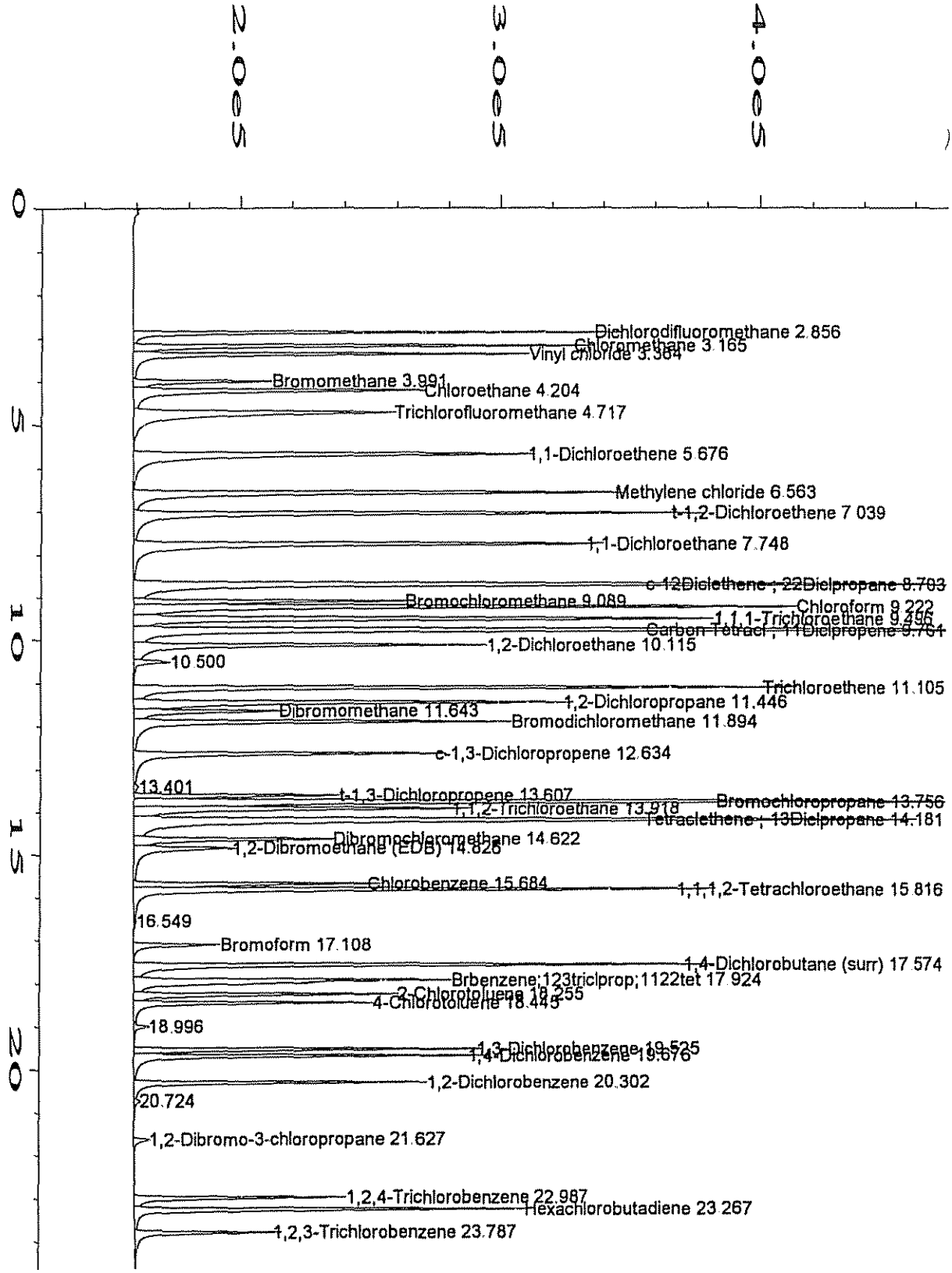
ata File Name : C:\HPCHEM\1\DATA\071905\006F0101.D
perator : MJC
nstrument : GC3
ample Name : v5
un Time Bar Code:
cquired on : 19 Jul 05 11:48 AM
eport Created on: 20 Jul 05 09:19 AM
ast Recalib on : 20 JUL 05 09:04 AM
ultiplier : 1

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

ig. 1 in C:\HPCHEM\1\DATA\071905\006F0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
2.856	559942	BV	0.045	1	5.704	Dichlorodifluoromethane
3.165	657335	VV	0.055	1	5.538	Chloromethane
3.364	619104	VV	0.059	1	5.630	Vinyl chloride
3.991	237167	VV	0.067	1	5.054	Bromomethane
4.204	607219	VV	0.079	1	5.570	Chloroethane
4.717	791755	VV	0.109	1	5.514	Trichlorofluoromethane
5.676	973517	VV	0.093	1	5.674	1,1-Dichloroethene
6.563	979234	VV	0.076	1	5.756	Methylene chloride
7.039	1029625	VV	0.068	1	5.761	t-1,2-Dichloroethene
7.748	1051073	VV	0.088	1	5.723	1,1-Dichloroethane
8.703	1716259	VV	0.077	1	11.645	c-12Diclethene ; 22Diclpropane
9.089	454690	VV	0.066	1	5.475	Bromochloromethane
9.222	1244122	VV	0.073	1	5.691	Chloroform
9.496	1175392	VV	0.079	1	5.690	1,1,1-Trichloroethane
9.761	2012556	VV	0.076	1	11.730	Carbon Tetracl ; 11Diclpropene
10.115	666399	VV	0.073	1	5.728	1,2-Dichloroethane
11.105	1102465	VV	0.067	1	5.821	Trichloroethene
11.446	847956	VV	0.074	1	5.779	1,2-Dichloropropane
11.643	290970	VV	0.074	1	5.513	Dibromomethane
11.894	709752	VV	0.071	1	5.638	Bromodichloromethane
12.634	606683	VV	0.075	1	5.617	c-1,3-Dichloropropene
13.607	326065	VV	0.061	1	5.137	t-1,3-Dichloropropene
13.756	1607030	VV	0.073	1-I	40.000	Bromochloropropane
13.918	687339	VV	0.076	1	5.675	1,1,2-Trichloroethane
14.181	1703443	VV	0.081	1	11.701	Tetraclethene ; 13Diclpropane
14.622	378390	VV	0.073	1	5.449	Dibromochloromethane
14.826	292274	VV	0.102	1	5.519	1,2-Dibromoethane (EDB)
15.684	370427	VV	0.061	1	5.457	Chlorobenzene
15.816	1061053	VV	0.071	1	5.787	1,1,1,2-Tetrachloroethane
17.108	157040	BV	0.068	1	5.016	Bromoform
17.574	936456	VV	0.064	1	91.629	1,4-Dichlorobutane (surr)
17.924	756709	VV	0.086	1	16.150	Brbenzene;123triclprop;1122tet
18.255	395187	VV	0.058	1	5.497	2-Chlorotoluene
18.445	398902	VV	0.065	1	5.472	4-Chlorotoluene
19.525	489846	PV	0.057	1	5.499	1,3-Dichlorobenzene
19.676	567055	VV	0.065	1	5.672	1,4-Dichlorobenzene
20.302	443944	VV	0.059	1	5.568	1,2-Dichlorobenzene
21.627	38727	BB	0.086	1	4.745	1,2-Dibromo-3-chloropropane
22.987	322747	BV	0.057	1	5.368	1,2,4-Trichlorobenzene
23.267	609719	VV	0.061	1	5.774	Hexachlorobutadiene
23.787	257517	VBA	0.068	1	5.486	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071905\006F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 6
Sample Name	: v5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 19 Jul 05 11:48 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 20 Jul 05 09:19 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

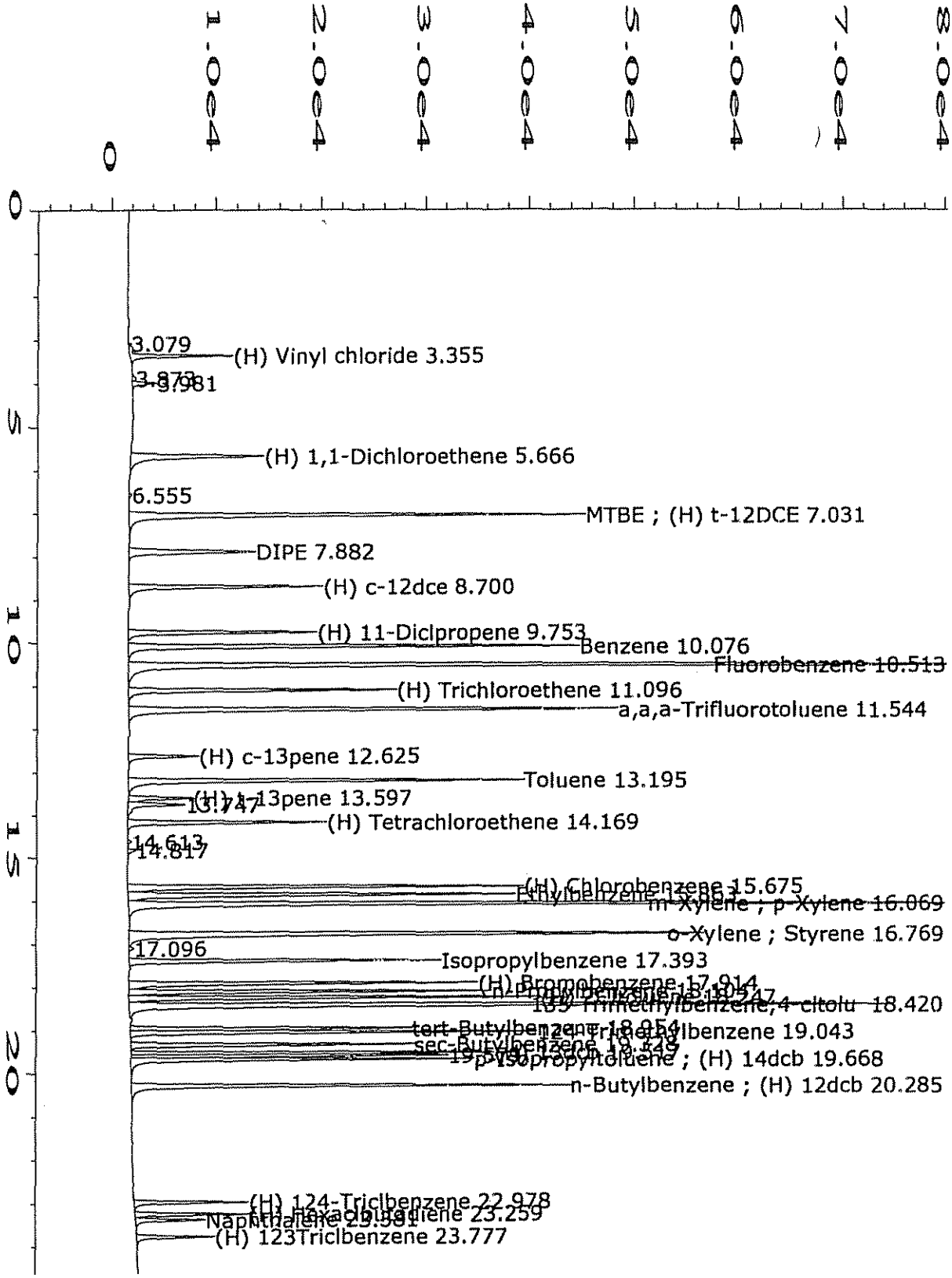
ata File Name : C:\HPCHEM\1\DATA\071905\006R0101.D
perator : MJC
nstrument : GC3
ample Name : v5
in Time Bar Code:
cquired on : 19 Jul 05 11:48 AM
eport Created on: 20 Jul 05 09:19 AM
ast Recalib on : 20 JUL 05 08:33 AM
ultiplier : 1

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

ig. 2 in C:\HPCHEM\1\DATA\071905\006R0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
3.355	36079	VB	0.054	1	5.457	(H) Vinyl chloride
5.666	72060	BB	0.085	1	5.237	(H) 1,1-Dichloroethene
7.031	193078	BB	0.066	1	10.301	MTBE ; (H) t-12DCE
7.882	66969	BV	0.086	1	5.104	DIPE
8.700	77936	BV	0.064	1	5.167	(H) c-12dce
9.753	73585	BV	0.063	1	5.203	(H) 11-Diclpropene
10.076	176179	VV	0.063	1	5.204	Benzene
10.513	389534	VV	0.063	1-I	40.000	Fluorobenzene
11.096	101361	VV	0.061	1	5.206	(H) Trichloroethene
11.544	208120	VB	0.068	1	102.900	a,a,a-Trifluorotoluene
12.625	28714	BB	0.063	1	5.085	(H) c-13pene
13.195	161643	BV	0.065	1	5.188	Toluene
13.597	26391	VV	0.064	1	4.938	(H) t-13pene
14.169	77871	VB	0.063	1	5.216	(H) Tetrachloroethene
15.675	147987	BV	0.059	1	5.124	(H) Chlorobenzene
15.863	145610	VV	0.060	1	5.178	Ethylbenzene
16.069	335392	VB	0.062	1	10.435	m-Xylene ; p-Xylene
16.769	265837	BV	0.075	1	10.322	o-Xylene ; Styrene
17.393	111869	BV	0.058	1	5.198	Isopropylbenzene
17.914	126253	BV	0.058	1	5.088	(H) Bromobenzene
18.104	124446	VV	0.055	1	5.186	n-Propylbenzene
18.247	137763	VV	0.053	1	5.182	(H) 2Cltoluene
18.420	320703	VV	0.070	1	10.391	135-Trimethylbenzene;4-cltolu
18.954	97196	VV	0.056	1	5.196	tert-Butylbenzene
19.043	135923	VV	0.054	1	5.126	124-Trimethylbenzene
19.328	98263	PV	0.057	1	5.170	sec-Butylbenzene
19.517	111637	PV	0.048	1	5.040	(H) 13dcb
19.668	118452	VB	0.054	1	10.148	p-Isopropyltoluene ; (H) 14dcb
20.285	166329	BB	0.060	1	10.183	n-Butylbenzene ; (H) 12dcb
22.978	37583	BV	0.053	1	4.898	(H) 124-Triclbenzene
23.259	37439	VV	0.053	1	5.154	(H) Hexaclbutadiene
23.381	24263	VV	0.055	1	4.778	Naphthalene
23.777	27325	BB	0.054	1	4.991	(H) 123Triclbenzene

:alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071905\006R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 6
Sample Name	: v5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 19 Jul 05 11:48 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	20 Jul 05 09:19 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

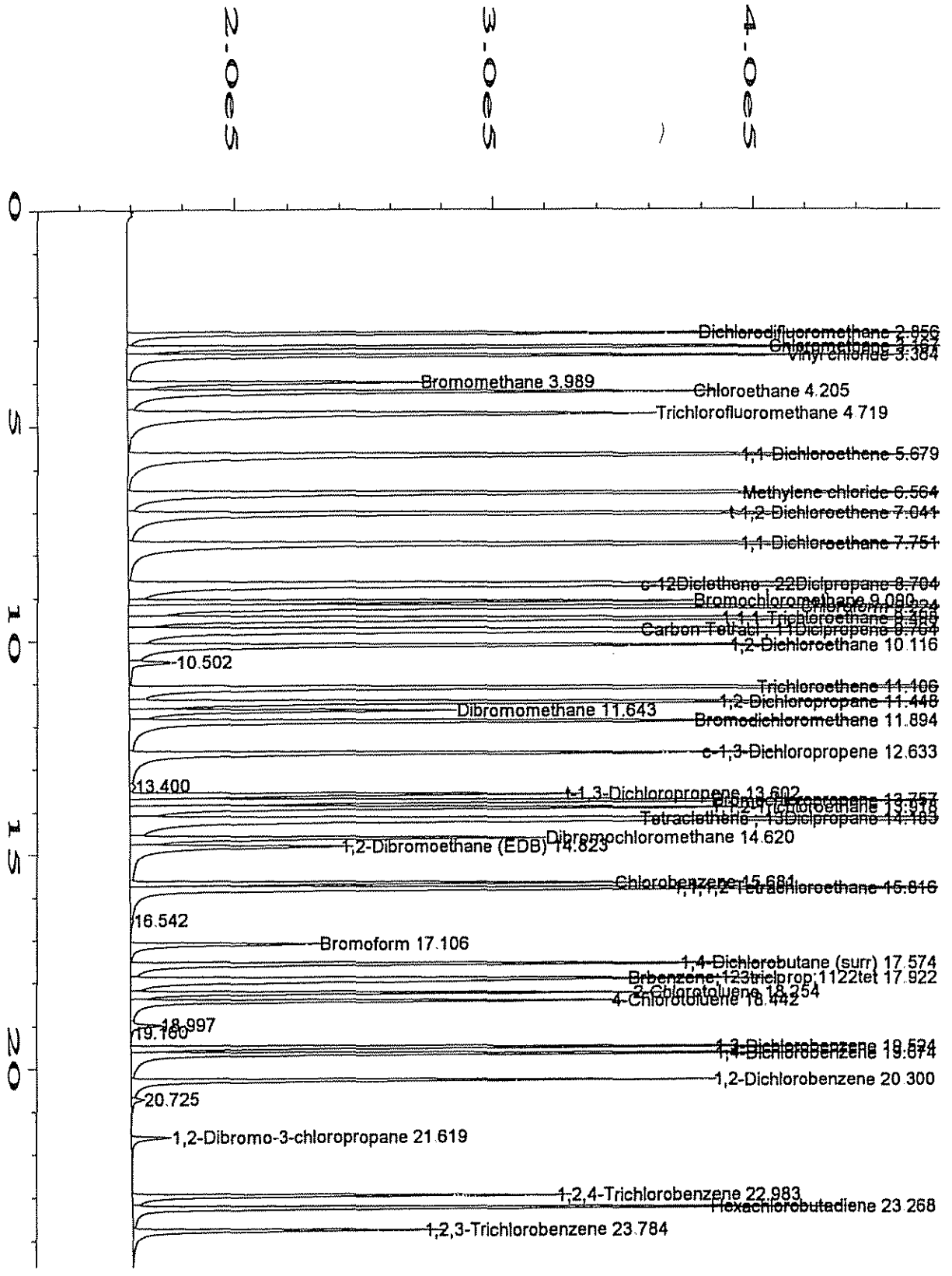
ata File Name : C:\HPCHEM\1\DATA\071905\007F0101.D
perator : MJC
nstrument : GC3
ample Name : v10
un Time Bar Code:
cquired on : 19 Jul 05 12:19 PM
eport Created on: 20 Jul 05 09:19 AM
ast Recalib on : 20 JUL 05 09:04 AM
ultiplier : 1

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

ig. 1 in C:\HPCHEM\1\DATA\071905\007F0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
2.856	1089418	BV	0.044	1	11.194	Dichlorodifluoromethane
3.167	1304465	VV	0.057	1	11.147	Chloromethane
3.364	1181787	VV	0.059	1	11.101	Vinyl chloride
3.989	521892	VV	0.064	1	10.764	Bromomethane
4.205	1182489	VV	0.077	1	10.918	Chloroethane
4.719	1565161	VV	0.108	1	10.981	Trichlorofluoromethane
5.679	1911615	VV	0.091	1	11.181	1,1-Dichloroethene
6.564	1850303	VV	0.073	1	10.927	Methylene chloride
7.041	1955207	VV	0.071	1	11.033	t-1,2-Dichloroethene
7.751	2022542	VV	0.084	1	11.092	1,1-Dichloroethane
8.704	3247869	VV	0.079	1	22.434	c-12Diclethene ; 22Diclpropane
9.090	895939	VV	0.061	1	10.595	Bromochloromethane
9.224	2412166	VV	0.073	1	11.278	Chloroform
9.498	2281783	VV	0.079	1	11.249	1,1,1-Trichloroethane
9.764	3837093	VV	0.076	1	22.968	Carbon Tetracl ; 11Diclpropene
10.116	1297864	VV	0.067	1	11.288	1,2-Dichloroethane
11.106	2118877	VV	0.063	1	11.297	Trichloroethene
11.448	1613009	VV	0.074	1	11.353	1,2-Dichloropropane
11.643	597777	VV	0.069	1	10.993	Dibromomethane
11.894	1409427	VV	0.073	1	11.138	Bromodichloromethane
12.633	1203131	VV	0.069	1	10.971	c-1,3-Dichloropropene
13.602	725909	VV	0.065	1	10.538	t-1,3-Dichloropropene
13.757	1696218	VV	0.073	1-I	40.000	Bromochloropropane
13.918	1220670	VV	0.073	1	11.030	1,1,2-Trichloroethane
14.183	3174215	VV	0.084	1	22.530	Tetraclethene ; 13Diclpropane
14.620	747959	VV	0.068	1	10.693	Dibromochloromethane
14.823	563443	VV	0.095	1	10.703	1,2-Dibromoethane (EDB)
15.681	760371	VV	0.058	1	10.880	Chlorobenzene
15.816	1982669	VV	0.071	1	11.036	1,1,1,2-Tetrachloroethane
17.106	344590	BV	0.069	1	10.313	Bromoform
17.574	1025071	VV	0.061	1	95.026	1,4-Dichlorobutane (surr)
17.922	1481465	VV	0.085	1	32.336	Brbenzene;123triclprop;1122tet
18.254	769629	VV	0.057	1	10.841	2-Chlorotoluene
18.442	777201	VV	0.063	1	10.919	4-Chlorotoluene
19.524	988379	BV	0.056	1	10.967	1,3-Dichlorobenzene
19.674	1084451	VV	0.059	1	10.992	1,4-Dichlorobenzene
20.300	870849	VV	0.059	1	10.936	1,2-Dichlorobenzene
21.619	90416	BB	0.080	1	10.281	1,2-Dibromo-3-chloropropane
22.983	629909	BV	0.058	1	10.173	1,2,4-Trichlorobenzene
23.268	1096597	VV	0.061	1	10.548	Hexachlorobutadiene
23.784	478631	VBA	0.058	1	10.130	1,2,3-Trichlorobenzene

:alibration table contains at least one peak with amt = 0



ata File Name	: C:\HPCHEM\1\DATA\071905\007F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: GC3	Vial Number	: 7
ample Name	: v10	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 19 Jul 05 12:19 PM	Instrument Method	: 8021_HAL.MTH
eport Created on	: 20 Jul 05 09:19 AM	Analysis Method	: 8021_HAL.MTH
ast Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	: 40

Internal Standard Report

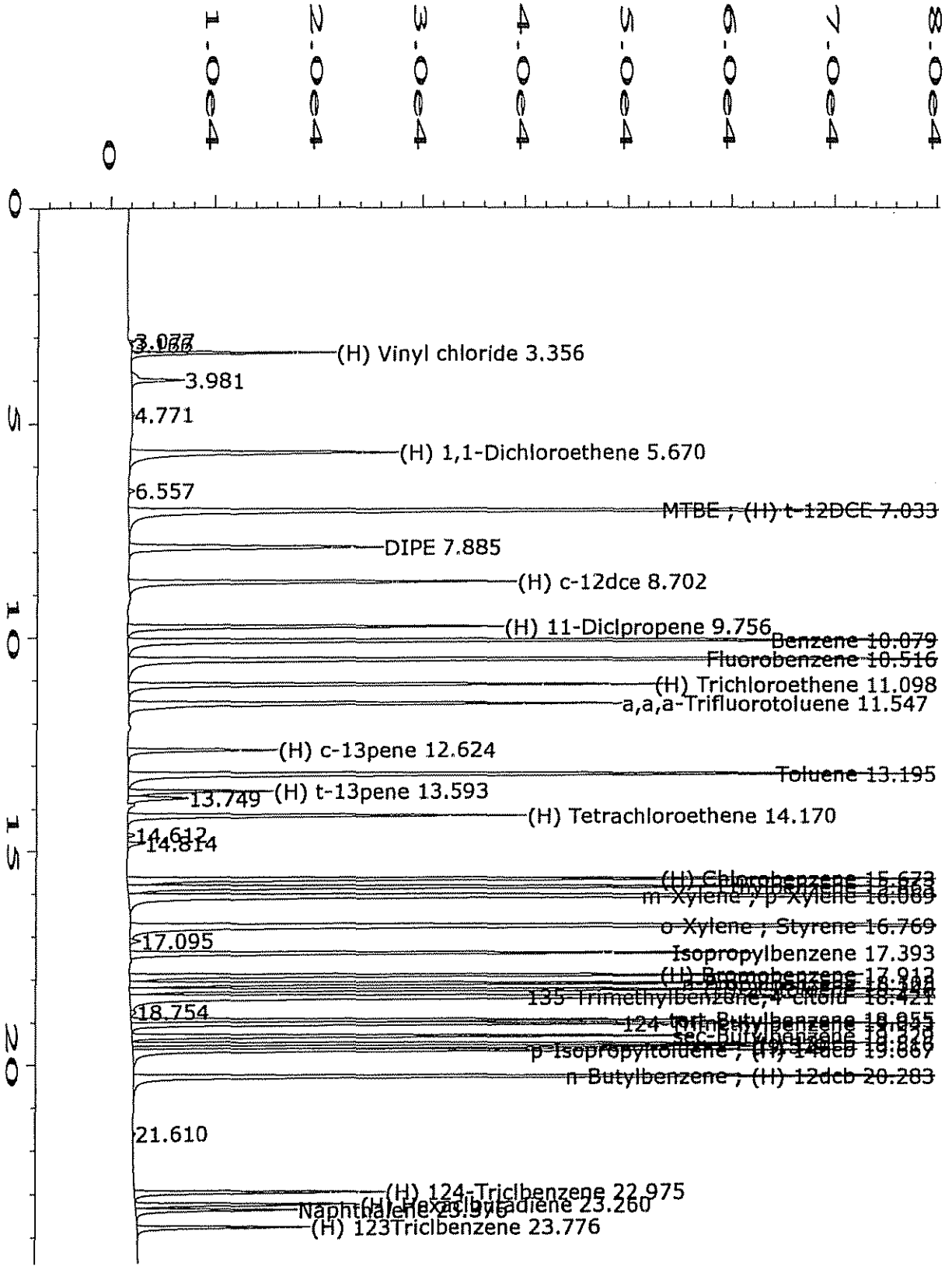
ata File Name : C:\HPCHEM\1\DATA\071905\007R0101.D
perator : MJC
nstrument : GC3
ample Name : v10
un Time Bar Code:
cquired on : 19 Jul 05 12:19 PM
eport Created on: 20 Jul 05 09:19 AM
ast Recalib on : 20 JUL 05 08:33 AM
ultiplier : 1

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

ig. 2 in C:\HPCHEM\1\DATA\071905\007R0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
3.356	61992	BB	0.047	1	9.742	(H) Vinyl chloride
5.670	143448	BB	0.081	1	10.430	(H) 1,1-Dichloroethene
7.033	390904	BB	0.066	1	20.628	MTBE ; (H) t-12DCE
7.885	135933	BB	0.086	1	10.094	DIPE
8.702	156175	BV	0.063	1	10.200	(H) c-12dce
9.756	147219	PV	0.063	1	10.326	(H) 11-Diclpropene
10.079	353535	VV	0.063	1	10.392	Benzene
10.516	397414	VV	0.062	1-I	40.000	Fluorobenzene
11.098	201269	VV	0.060	1	10.261	(H) Trichloroethene
11.547	216157	VB	0.069	1	104.755	a,a,a-Trifluorotoluene
12.624	59634	BB	0.063	1	10.223	(H) c-13pene
13.195	323603	BV	0.064	1	10.279	Toluene
13.593	57266	VV	0.062	1	9.820	(H) t-13pene
14.170	154899	VB	0.063	1	10.299	(H) Tetrachloroethene
15.673	301092	BV	0.058	1	10.235	(H) Chlorobenzene
15.863	291139	VV	0.059	1	10.364	Ethylbenzene
16.069	667381	VB	0.061	1	20.881	m-Xylene ; p-Xylene
16.769	535694	BV	0.071	1	20.656	o-Xylene ; Styrene
17.393	223420	PV	0.058	1	10.346	Isopropylbenzene
17.912	256008	BV	0.055	1	10.149	(H) Bromobenzene
18.103	248606	VV	0.054	1	10.354	n-Propylbenzene
18.246	274724	VV	0.053	1	10.400	(H) 2Cltoluene
18.421	639508	VV	0.062	1	20.911	135-Trimethylbenzene;4-cltolu
18.955	193007	VV	0.055	1	10.393	tert-Butylbenzene
19.043	273754	VV	0.053	1	10.283	124-Trimethylbenzene
19.329	196090	VV	0.056	1	10.332	sec-Butylbenzene
19.516	232014	VV	0.049	1	10.109	(H) 13dcb
19.667	239552	VB	0.051	1	20.401	p-Isopropyltoluene ; (H) 14dcb
20.283	337255	BB	0.057	1	20.493	n-Butylbenzene ; (H) 12dcb
22.975	80533	BV	0.051	1	10.146	(H) 124-Triclbenzene
23.260	74653	VV	0.054	1	10.573	(H) Hexaclbutadiene
23.376	53676	VB	0.052	1	9.726	Naphthalene
23.776	56245	BV	0.051	1	9.958	(H) 123Triclbenzene

alibration table contains at least one peak with amt = 0



ata File Name	: C:\HPCHEM\1\DATA\071905\007R0101.D		
perator	: MJC	Page Number	: 1
nstrument	: GC3	Vial Number	: 7
ample Name	: v10	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 19 Jul 05 12:19 PM	Instrument Method	: 8021_HAL.MTH
eport Created on	: 20 Jul 05 09:19 AM	Analysis Method	: 8021_pid.MTH
ast Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	: 40

Internal Standard Report

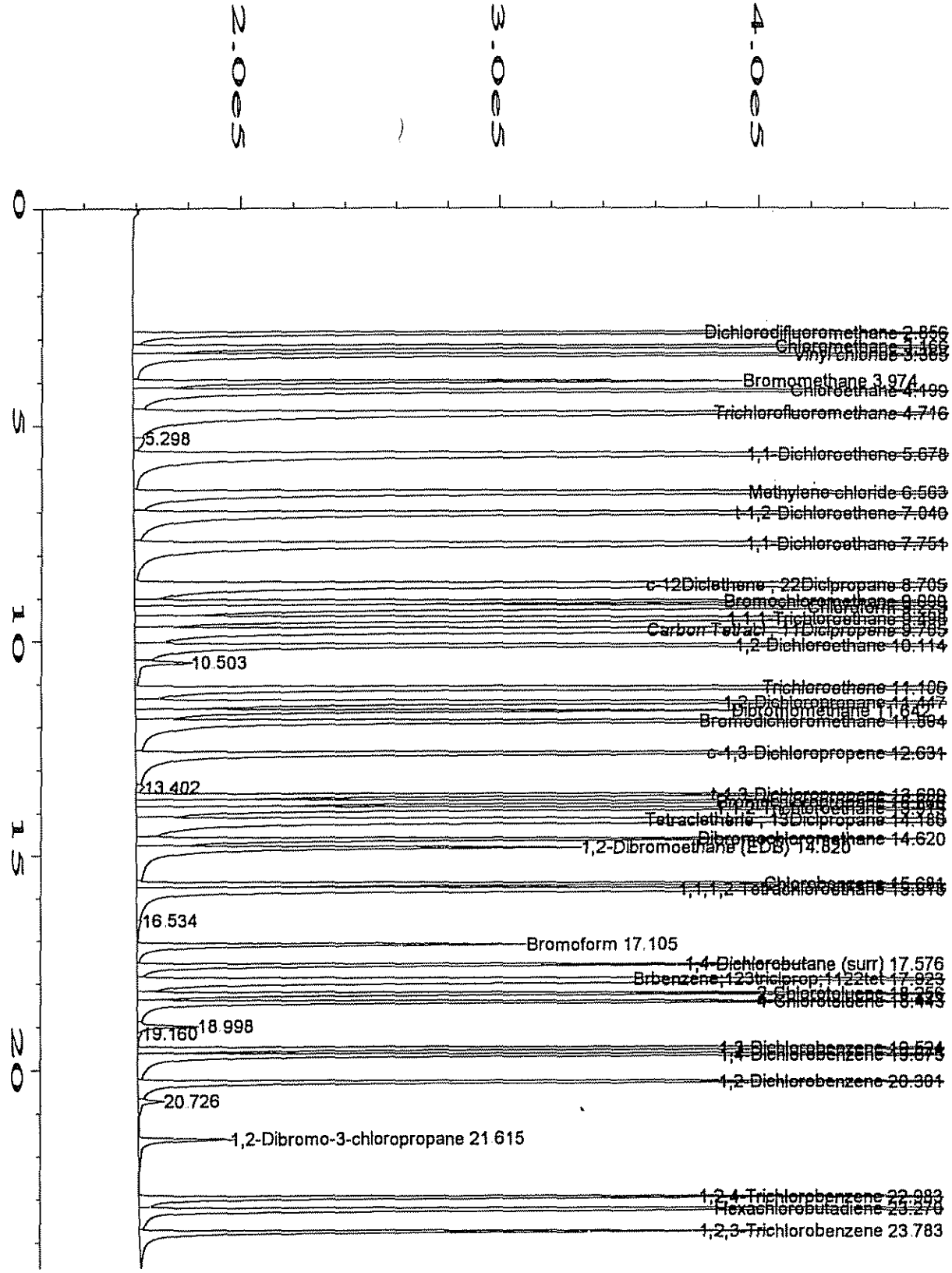
ata File Name : C:\HPCHEM\1\DATA\071905\008F0101.D
perator : MJC
nstrument : GC3
ample Name : v20
in Time Bar Code:
cquired on : 19 Jul 05 12:50 PM
eport Created on: 20 Jul 05 09:19 AM
ast Recalib on : 20 JUL 05 09:04 AM
ultiplier : 1

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

ig. 1 in C:\HPCHEM\1\DATA\071905\008F0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
2.856	1965122	BV	0.045	1	20.130	Dichlorodifluoromethane
3.166	2345883	VV	0.056	1	20.006	Chloromethane
3.365	2129290	VV	0.058	1	20.188	Vinyl chloride
3.974	1006066	VV	0.065	1	20.251	Bromomethane
4.199	2189961	VV	0.079	1	20.157	Chloroethane
4.716	2891637	VV	0.110	1	20.211	Trichlorofluoromethane
5.678	3450381	VV	0.088	1	20.060	1,1-Dichloroethene
6.563	3437613	VV	0.073	1	20.262	Methylene chloride
7.040	3605664	VV	0.072	1	20.335	t-1,2-Dichloroethene
7.751	3692244	VV	0.089	1	20.197	1,1-Dichloroethane
8.705	5844116	VV	0.080	1	40.495	c-12Diclethene ; 22Diclpropane
9.090	1742726	VV	0.063	1	20.313	Bromochloromethane
9.225	4291563	VV	0.070	1	20.114	Chloroform
9.498	4092816	VV	0.079	1	20.201	1,1,1-Trichloroethane
9.765	6538913	VV	0.075	1	39.285	Carbon Tetracl ; 11Diclpropene
10.114	2257033	VV	0.071	1	19.565	1,2-Dichloroethane
11.106	3693909	VV	0.066	1	19.631	Trichloroethene
11.447	2776544	VV	0.071	1	19.678	1,2-Dichloropropane
11.642	1089506	VV	0.069	1	19.588	Dibromomethane
11.894	2520329	VV	0.073	1	19.702	Bromodichloromethane
12.631	2194398	VV	0.069	1	19.715	c-1,3-Dichloropropene
13.600	1417169	VV	0.063	1	19.660	t-1,3-Dichloropropene
13.760	1753814	VV	0.073	1-I	40.000	Bromochloropropane
13.919	2098187	VV	0.074	1	19.773	1,1,2-Trichloroethane
14.186	5511719	VV	0.078	1	39.499	Tetraclethene ; 13Diclpropane
14.620	1408110	VV	0.069	1	19.929	Dibromochloromethane
14.820	1040098	VV	0.084	1	19.701	1,2-Dibromoethane (EDB)
15.681	1412124	VV	0.060	1	19.768	Chlorobenzene
15.818	3544167	VV	0.071	1	19.829	1,1,1,2-Tetrachloroethane
17.105	691376	VV	0.069	1	19.912	Bromoform
17.576	1047178	VV	0.064	1	93.887	1,4-Dichlorobutane (surr)
17.923	2705774	VV	0.081	1	59.255	Brbenzene;123triclprop;1122tet
18.256	1424690	VV	0.056	1	20.063	2-Chlorotoluene
18.443	1416237	VV	0.061	1	19.981	4-Chlorotoluene
19.524	1822628	VV	0.054	1	19.951	1,3-Dichlorobenzene
19.675	1953795	VV	0.058	1	19.808	1,4-Dichlorobenzene
20.301	1600728	VV	0.056	1	19.975	1,2-Dichlorobenzene
21.615	214557	VV	0.084	1	23.364	1,2-Dibromo-3-chloropropane
22.983	1254810	PV	0.057	1	19.870	1,2,4-Trichlorobenzene
23.270	2053288	VV	0.060	1	19.919	Hexachlorobutadiene
23.783	939084	VBA	0.060	1	19.774	1,2,3-Trichlorobenzene

alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071905\008F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 8
Sample Name	: v20	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 19 Jul 05 12:50 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	20 Jul 05 09:19 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

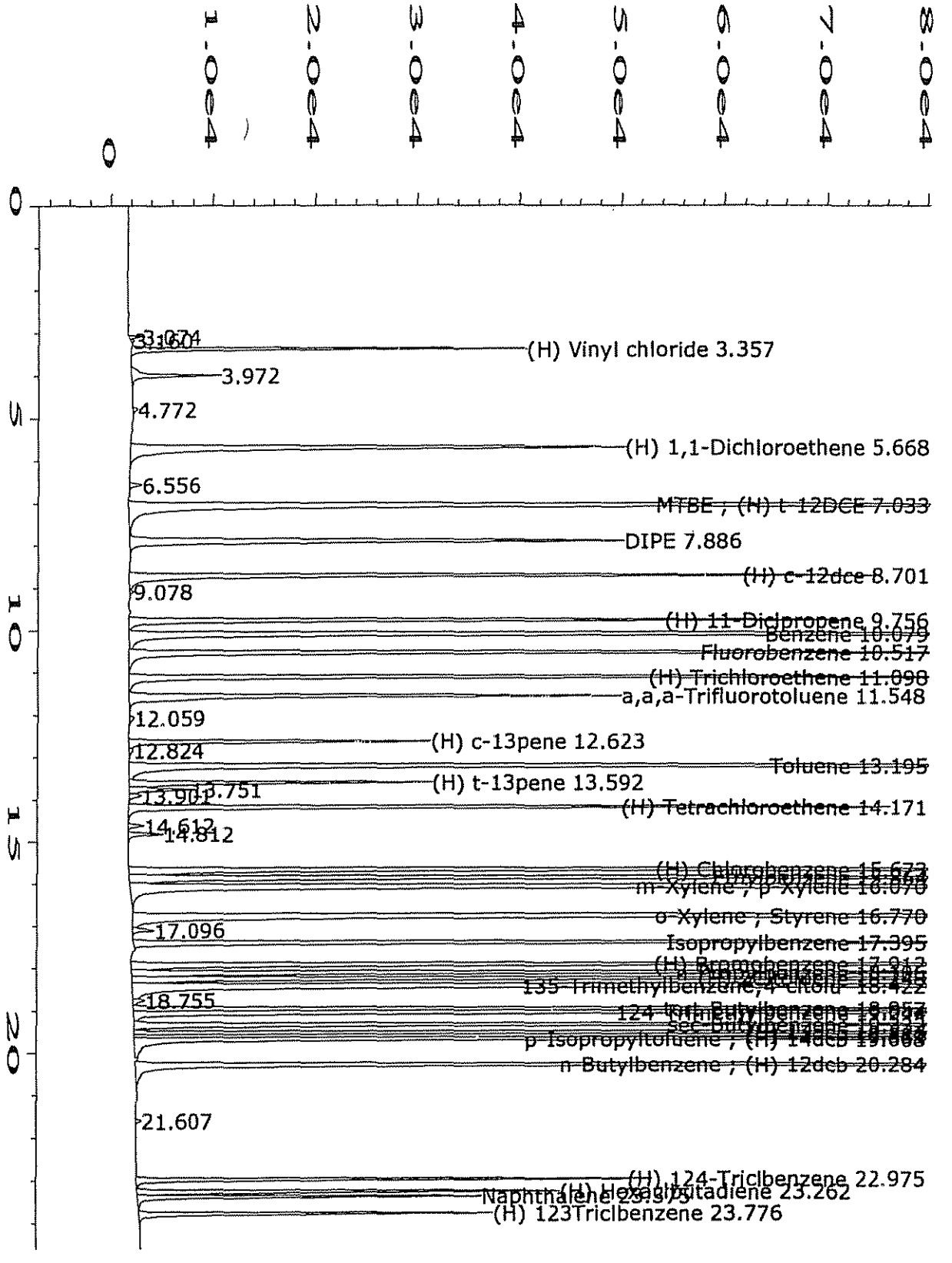
ata File Name : C:\HPCHEM\1\DATA\071905\008R0101.D
perator : MJC
nstrument : GC3
ample Name : v20
an Time Bar Code:
cquired on : 19 Jul 05 12:50 PM
eport Created on: 20 Jul 05 09:19 AM
ast Recalib on : 20 JUL 05 08:33 AM
ultiplier : 1

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

ig. 2 in C:\HPCHEM\1\DATA\071905\008R0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
3.357	118826	BB	0.047	1	19.234	(H) Vinyl chloride
5.668	272237	BB	0.083	1	19.814	(H) 1,1-Dichloroethene
7.033	754955	BV	0.066	1	39.658	MTBE ; (H) t-12DCE
7.886	268251	VB	0.084	1	19.687	DIPE
8.701	303180	BV	0.063	1	19.674	(H) c-12dce
9.756	282816	PV	0.062	1	19.776	(H) 11-Diclpropene
10.079	676397	VV	0.061	1	19.853	Benzene
10.517	400965	VV	0.062	1-I	40.000	Fluorobenzene
11.098	387215	VV	0.059	1	19.689	(H) Trichloroethene
11.548	227813	VV	0.071	1	109.426	a,a,a-Trifluorotoluene
12.623	115334	BV	0.060	1	19.483	(H) c-13pene
13.195	624582	BV	0.064	1	19.759	Toluene
13.592	116953	VV	0.060	1	19.256	(H) t-13pene
14.171	298168	VV	0.062	1	19.772	(H) Tetrachloroethene
15.673	584616	BV	0.057	1	19.712	(H) Chlorobenzene
15.864	561008	VV	0.059	1	19.998	Ethylbenzene
16.070	1278524	VB	0.060	1	40.147	m-Xylene ; p-Xylene
16.770	1035957	BV	0.069	1	39.845	o-Xylene ; Styrene
17.395	429214	PV	0.057	1	19.861	Isopropylbenzene
17.912	503407	BV	0.052	1	19.816	(H) Bromobenzene
18.105	480648	VV	0.054	1	20.029	n-Propylbenzene
18.248	528617	VV	0.054	1	20.092	(H) 2Cltoluene
18.422	1229587	VV	0.057	1	40.419	135-Trimethylbenzene;4-cltolu
18.957	372085	VV	0.056	1	20.128	tert-Butylbenzene
19.044	533985	VV	0.053	1	20.038	124-Trimethylbenzene
19.332	381054	VV	0.056	1	20.113	sec-Butylbenzene
19.517	463323	VV	0.048	1	19.858	(H) 13dcb
19.668	472802	VV	0.052	1	40.186	p-Isopropyltoluene ; (H) 14dcb
20.284	662343	VB	0.056	1	40.134	n-Butylbenzene ; (H) 12dcb
22.975	161161	BV	0.049	1	19.999	(H) 124-Triclbenzene
23.262	142770	VV	0.054	1	20.510	(H) Hexaclbutadiene
23.375	112498	VV	0.051	1	19.619	Naphthalene
23.776	113458	VV	0.050	1	19.799	(H) 123Triclbenzene

alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071905\008R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 8
Sample Name	: v20	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 19 Jul 05 12:50 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 20 Jul 05 09:19 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

ıta File Name : C:\HPCHEM\1\DATA\071905\009F0101.D
ɔerator : MJC
ıstrument : GC3
ample Name : v25
ın Time Bar Code:
cquired on : 19 Jul 05 01:20 PM
eport Created on: 20 Jul 05 09:19 AM
ast Recalib on : 20 JUL 05 09:04 AM
ıltiplier : 1

Page Number : 1
Vial Number : 9
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

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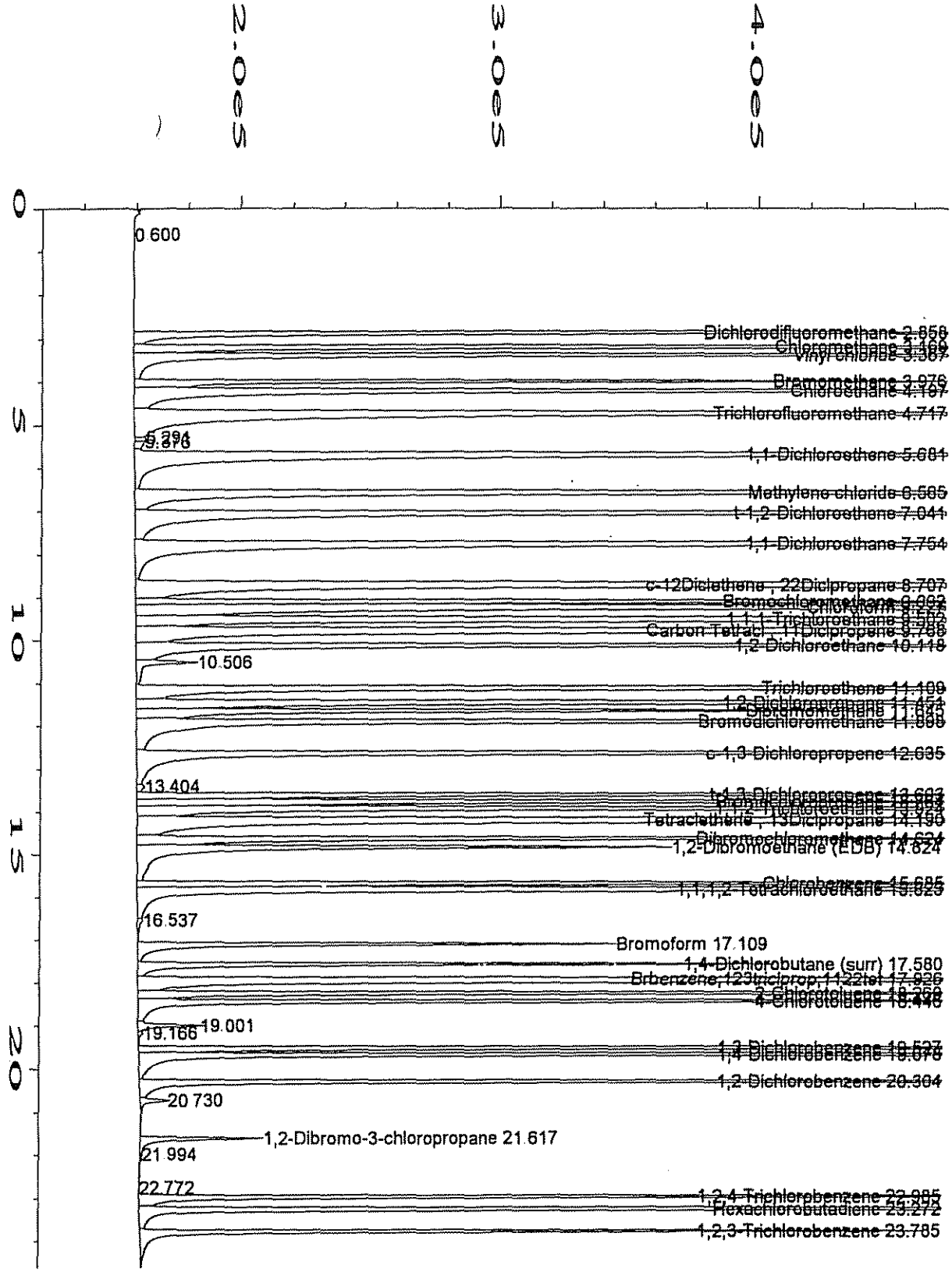
et Time	Area	Type	Width	Ref#	µg/L	Name
2.858	2274054	BV	0.044	1	24.326	Dichlorodifluoromethane
3.169	2745708	VV	0.056	1	24.469	Chloromethane
3.367	2450822	VV	0.057	1	24.325	Vinyl chloride
3.976	1171881	VV	0.057	1	24.514	Bromomethane
4.197	2543020	VV	0.080	1	24.436	Chloroethane
4.717	3341978	VV	0.107	1	24.380	Trichlorofluoromethane
5.681	4020331	VV	0.096	1	24.398	1,1-Dichloroethene
6.565	3952289	VV	0.076	1	24.317	Methylene chloride
7.041	4113516	VV	0.071	1	24.219	t-1,2-Dichloroethene
7.754	4256791	VV	0.090	1	24.312	1,1-Dichloroethane
8.707	6684424	VV	0.082	1	48.413	c-12Diclethene ; 22Diclpropane
9.092	2015058	VV	0.065	1	24.451	Bromochloromethane
9.227	4960233	VV	0.073	1	24.313	Chloroform
9.502	4702096	VV	0.083	1	24.254	1,1,1-Trichloroethane
9.768	7802750	VV	0.078	1	49.154	Carbon Tetracl ; 11Diclpropene
10.118	2727100	VV	0.070	1	24.739	1,2-Dichloroethane
11.109	4436171	VV	0.065	1	24.666	Trichloroethene
11.451	3310466	VV	0.074	1	24.615	1,2-Dichloropropane
11.645	1329783	VV	0.069	1	24.874	Dibromomethane
11.898	3028204	VV	0.072	1	24.704	Bromodichloromethane
12.635	2644148	VV	0.070	1	24.761	c-1,3-Dichloropropene
13.603	1746344	VV	0.063	1	25.057	t-1,3-Dichloropropene
13.764	1690664	VV	0.074	1-I	40.000	Bromochloropropane
13.924	2477004	VV	0.073	1	24.702	1,1,2-Trichloroethane
14.190	6536805	VV	0.084	1	49.158	Tetraclethene ; 13Diclpropane
14.624	1675321	VV	0.069	1	24.727	Dibromochloromethane
14.824	1256656	VV	0.086	1	24.883	1,2-Dibromoethane (EDB)
15.685	1701747	VV	0.060	1	24.783	Chlorobenzene
15.823	4200055	VV	0.069	1	24.612	1,1,1,2-Tetrachloroethane
17.109	836404	VV	0.065	1	24.962	Bromoform
17.580	1002289	VV	0.062	1	93.219	1,4-Dichlorobutane (surr)
17.926	3251054	VV	0.084	1	74.542	Brbenzene;123triclprop;1122tet
18.260	1668742	VV	0.059	1	24.555	2-Chlorotoluene
18.446	1665993	VV	0.058	1	24.595	4-Chlorotoluene
19.527	2156457	PV	0.056	1	24.600	1,3-Dichlorobenzene
19.678	2325891	VV	0.058	1	24.668	1,4-Dichlorobenzene
20.304	1886722	VV	0.057	1	24.575	1,2-Dichlorobenzene
21.617	220982	BV	0.067	1	24.951	1,2-Dibromo-3-chloropropane
22.985	1516141	PV	0.055	1	24.978	1,2,4-Trichlorobenzene
23.272	2433876	VV	0.060	1	24.724	Hexachlorobutadiene
23.785	1139287	VBA	0.060	1	25.045	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071905\009F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 9
Sample Name	: v25	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 19 Jul 05 01:20 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 20 Jul 05 09:19 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

ata File Name : C:\HPCHEM\1\DATA\071905\009R0101.D
perator : MJC
nstrument : GC3
ample Name : v25
un Time Bar Code:
cquired on : 19 Jul 05 01:20 PM
eport Created on: 20 Jul 05 09:19 AM
ast Recalib on : 20 JUL 05 08:33 AM
ultiplier : 1

Page Number : 1)
Vial Number : 9
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

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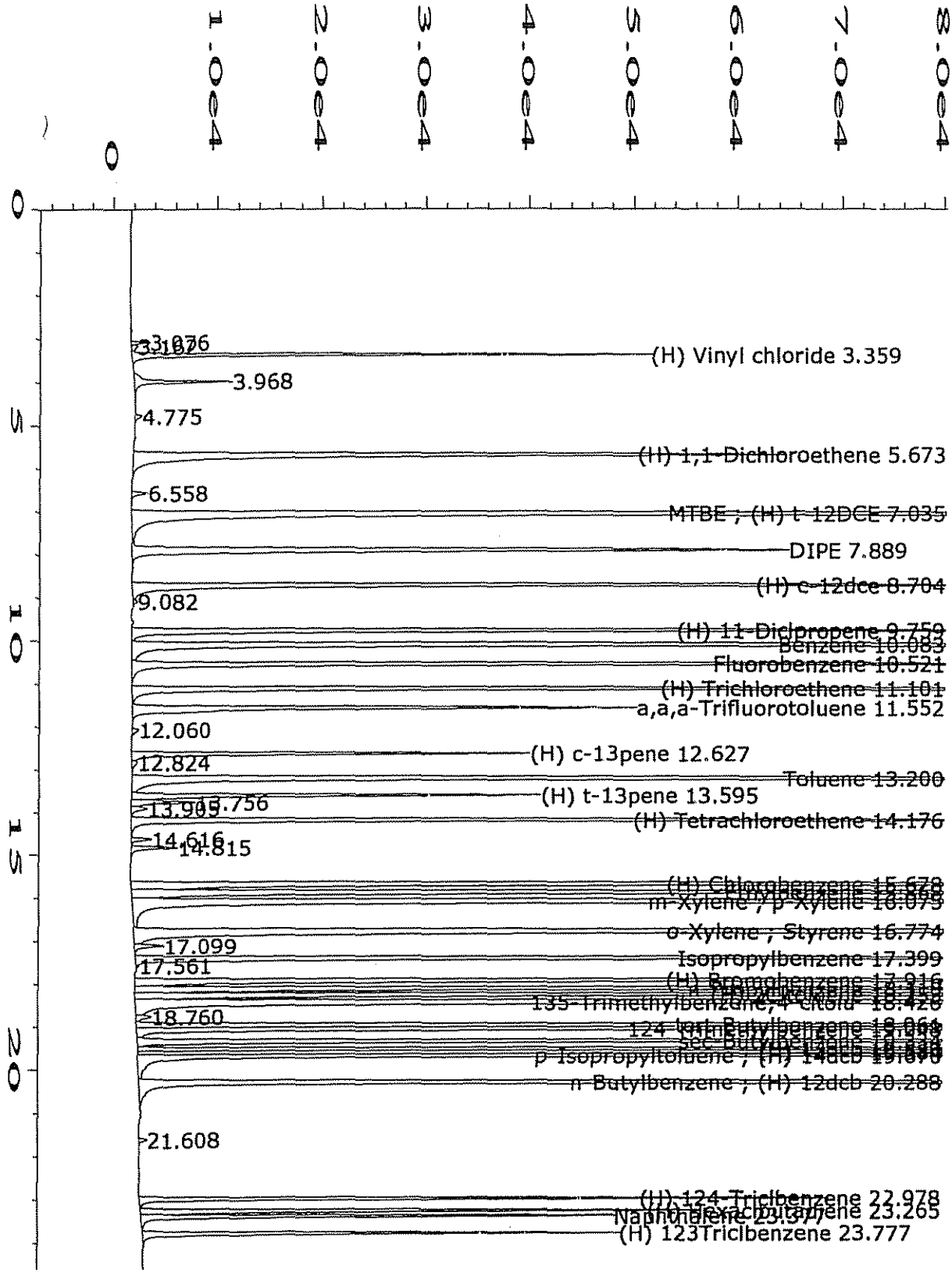
et Time	Area	Type	Width	Ref#	µg/L	Name
3.359	155299	VB	0.047	1	25.391	(H) Vinyl chloride
5.673	351146	BB	0.083	1	25.626	(H) 1,1-Dichloroethene
7.035	971983	BV	0.067	1	51.122	MTBE ; (H) t-12DCE
7.889	346454	VB	0.084	1	25.413	DIPE
8.704	391164	BV	0.063	1	25.403	(H) c-12dce
9.759	364795	PV	0.062	1	25.550	(H) 11-Diclpropene
10.083	870444	VV	0.062	1	25.599	Benzene
10.521	400894	VV	0.063	1-I	40.000	Fluorobenzene
11.101	499504	PV	0.058	1	25.443	(H) Trichloroethene
11.552	231121	VV	0.071	1	111.035	a,a,a-Trifluorotoluene
12.627	148714	BV	0.059	1	25.090	(H) c-13pene
13.200	804111	BV	0.063	1	25.473	Toluene
13.595	152594	VV	0.060	1	24.944	(H) t-13pene
14.176	385001	VV	0.061	1	25.574	(H) Tetrachloroethene
15.678	753911	BV	0.056	1	25.430	(H) Chlorobenzene
15.868	718570	VV	0.058	1	25.682	Ethylbenzene
16.075	1639129	VV	0.060	1	51.636	m-Xylene ; p-Xylene
16.774	1331263	VV	0.069	1	51.290	o-Xylene ; Styrene
17.399	552273	VV	0.057	1	25.611	Isopropylbenzene
17.916	647393	BV	0.054	1	25.499	(H) Bromobenzene
18.110	615577	VV	0.054	1	25.715	n-Propylbenzene
18.253	675616	VV	0.052	1	25.762	(H) 2Cltoluene
18.426	1568804	VV	0.060	1	51.753	135-Trimethylbenzene;4-cltolu
18.961	475938	VV	0.055	1	25.833	tert-Butylbenzene
19.048	682702	VV	0.052	1	25.670	124-Trimethylbenzene
19.334	487921	VV	0.056	1	25.823	sec-Butylbenzene
19.520	597277	VV	0.048	1	25.560	(H) 13dcb
19.670	604825	VV	0.051	1	51.498	p-Isopropyltoluene ; (H) 14dcb
20.288	851600	VV	0.056	1	51.686	n-Butylbenzene ; (H) 12dcb
22.978	208514	BV	0.049	1	25.843	(H) 124-Triclbenzene
23.265	182753	VV	0.054	1	26.406	(H) Hexaclbutadiene
23.377	147876	VV	0.049	1	25.621	Naphthalene
23.777	148238	VV	0.050	1	25.840	(H) 123Triclbenzene

alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071905\009R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 9
Sample Name	: v25	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 19 Jul 05 01:20 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	20 Jul 05 09:19 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

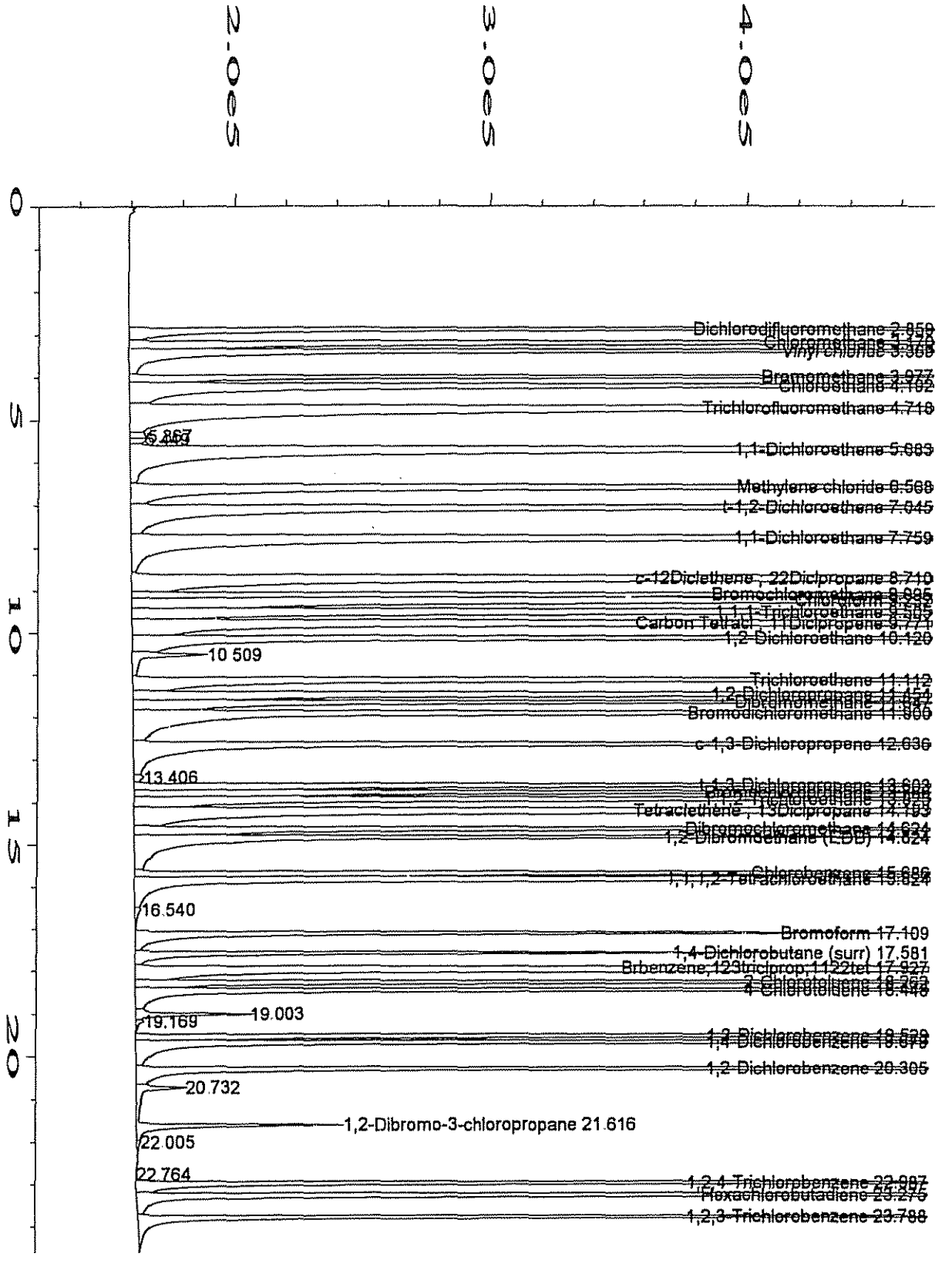
ıta File Name : C:\HPCHEM\1\DATA\071905\010F0101.D
›erator : MJC
ıstrument : GC3
ımple Name : v40
ın Time Bar Code:
:quired on : 19 Jul 05 01:51 PM
›port Created on: 20 Jul 05 09:20 AM
ıst Recalib on : 20 JUL 05 09:04 AM
ıltiplier : 1

Page Number) : 1
Vial Number : 10
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

ıg. 1 in C:\HPCHEM\1\DATA\071905\010F0101.D

›t Time	Area	Type	Width	Ref#	µg/L	Name
2.859	3538033	BV	0.044	1	36.656	Dichlorodifluoromethane
3.170	4271918	VV	0.058	1	36.883	Chloromethane
3.369	3829724	VV	0.057	1	36.982	Vinyl chloride
3.977	1883413	VV	0.054	1	37.860	Bromomethane
4.192	4038589	VV	0.079	1	37.576	Chloroethane
4.718	5283617	VV	0.111	1	37.313	Trichlorofluoromethane
5.683	6390286	VV	0.093	1	37.534	1,1-Dichloroethene
6.568	6134234	VV	0.072	1	36.543	Methylene chloride
7.045	6434878	VV	0.074	1	36.716	t-1,2-Dichloroethene
7.759	6652565	VV	0.089	1	36.801	1,1-Dichloroethane
8.710	1.00859E+007	VV	0.082	1	70.860	c-12Diclethene ; 22Diclpropane
9.095	3087498	VV	0.065	1	36.095	Bromochloromethane
9.232	7533604	VV	0.079	1	35.825	Chloroform
9.505	7121558	VV	0.086	1	35.614	1,1,1-Trichloroethane
9.771	1.16207E+007	VV	0.076	1	71.077	Carbon Tetracl ; 11Diclpropene
10.120	4175175	VV	0.072	1	36.684	1,2-Dichloroethane
11.112	6739767	VV	0.067	1	36.290	Trichloroethene
11.454	5075834	VV	0.072	1	36.707	1,2-Dichloropropane
11.647	2093993	VV	0.068	1	37.667	Dibromomethane
11.900	4698999	VV	0.072	1	37.020	Bromodichloromethane
12.636	4081263	VV	0.071	1	36.844	c-1,3-Dichloropropene
13.603	2803942	VV	0.063	1	38.401	t-1,3-Dichloropropene
13.766	1764661	VV	0.073	1-I	40.000	Bromochloropropane
13.925	3668575	VV	0.072	1	35.961	1,1,2-Trichloroethane
14.193	9636534	VV	0.083	1	70.439	Tetraclethene ; 13Diclpropane
14.624	2590365	VV	0.070	1	36.900	Dibromochloromethane
14.824	1973399	VV	0.085	1	37.816	1,2-Dibromoethane (EDB)
15.686	2682008	VV	0.061	1	37.566	Chlorobenzene
15.824	6288124	VV	0.070	1	35.750	1,1,1,2-Tetrachloroethane
17.109	1374374	VV	0.071	1	39.237	Bromoform
17.581	1036734	VV	0.062	1	92.379	1,4-Dichlorobutane (surr)
17.927	5005086	VV	0.082	1	111.271	Brbenzene;123triclprop;1122tet
18.262	2579164	VV	0.060	1	36.758	2-Chlorotoluene
18.448	2605330	VV	0.060	1	37.332	4-Chlorotoluene
19.529	3329961	VV	0.053	1	36.633	1,3-Dichlorobenzene
19.679	3574844	VV	0.058	1	36.740	1,4-Dichlorobenzene
20.305	2933052	VV	0.058	1	36.938	1,2-Dichlorobenzene
21.616	379145	VV	0.067	1	40.899	1,2-Dibromo-3-chloropropane
22.987	2312867	PV	0.056	1	36.640	1,2,4-Trichlorobenzene
23.275	3618754	VV	0.063	1	35.646	Hexachlorobutadiene
23.788	1722685	VBA	0.057	1	36.559	1,2,3-Trichlorobenzene

:alibration table contains at least one peak with amt = 0



ata File Name	: C:\HPCHEM\1\DATA\071905\010F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: GC3	Vial Number	: 10
ample Name	: v40	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 19 Jul 05 01:51 PM	Instrument Method	: 8021_HAL.MTH
eport Created on	: 20 Jul 05 09:20 AM	Analysis Method	: 8021_HAL.MTH
ast Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	: 40

Internal Standard Report

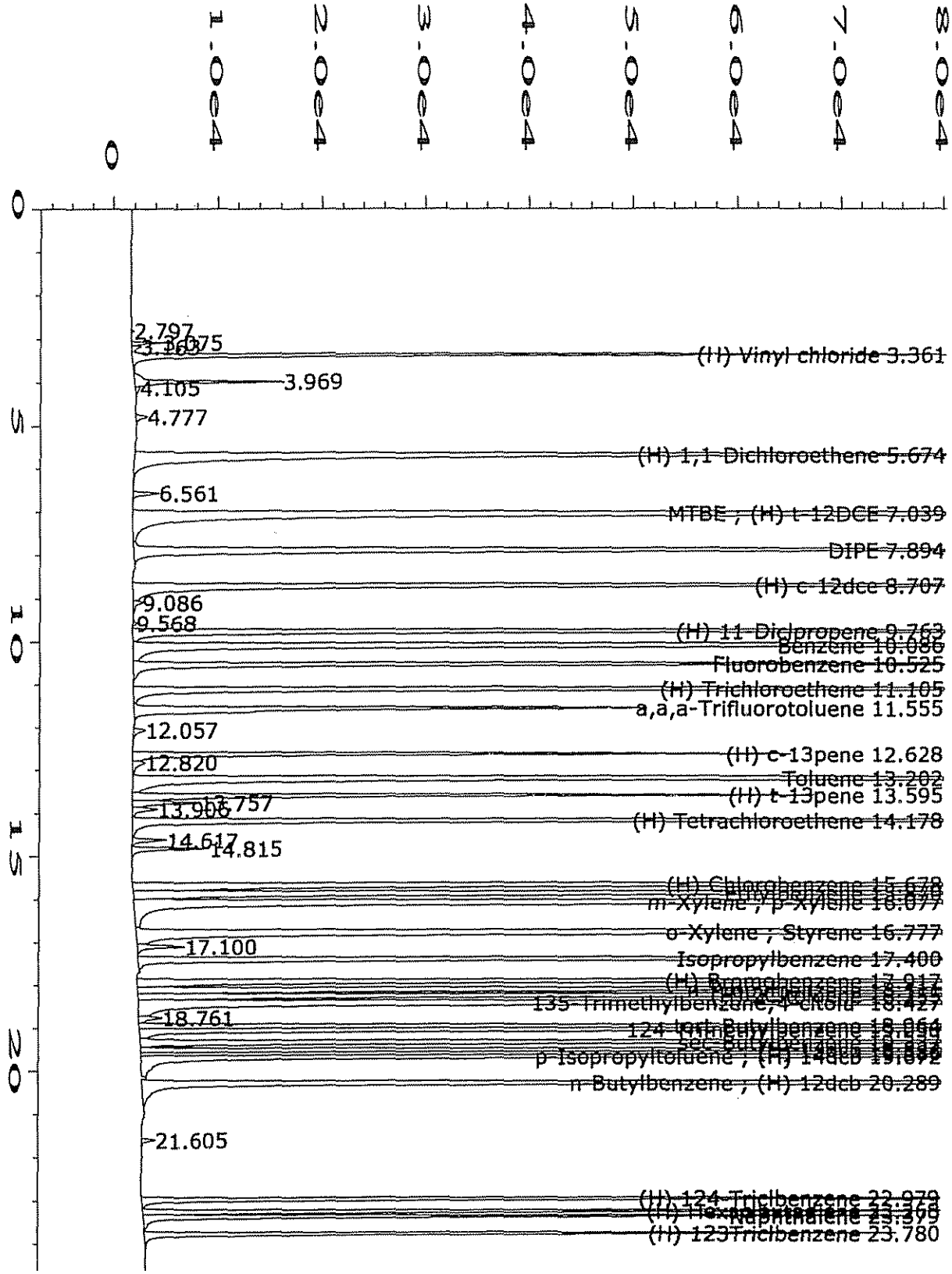
ata File Name : C:\HPCHEM\1\DATA\071905\010R0101.D
perator : MJC
nstrument : GC3
ample Name : v40
an Time Bar Code:
cquired on : 19 Jul 05 01:51 PM
eport Created on: 20 Jul 05 09:20 AM
ast Recalib on : 20 JUL 05 08:33 AM
ultiplier : 1

Page Number : 1
Vial Number : 10
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

ig. 2 in C:\HPCHEM\1\DATA\071905\010R0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
3.361	247193	VV	0.046	1	40.046	(H) Vinyl chloride
5.674	560145	BB	0.083	1	40.173	(H) 1,1-Dichloroethene
7.039	1552119	BV	0.068	1	80.085	MTBE ; (H) t-12DCE
7.894	555372	VV	0.085	1	39.877	DIPE
8.707	629773	BV	0.064	1	40.100	(H) c-12dce
9.763	581906	PV	0.062	1	40.002	(H) 11-Diclpropene
10.086	1385286	VV	0.062	1	40.005	Benzene
10.525	409194	VV	0.062	1-I	40.000	Fluorobenzene
11.105	798640	PV	0.059	1	39.931	(H) Trichloroethene
11.555	249316	VV	0.075	1	117.346	a,a,a-Trifluorotoluene
12.628	241299	BV	0.059	1	39.812	(H) c-13pene
13.202	1283462	VV	0.064	1	39.891	Toluene
13.595	251012	VV	0.059	1	39.829	(H) t-13pene
14.178	613134	VV	0.062	1	39.978	(H) Tetrachloroethene
15.678	1209859	BV	0.057	1	39.990	(H) Chlorobenzene
15.870	1140859	VV	0.059	1	40.072	Ethylbenzene
16.077	2581974	VV	0.060	1	79.990	m-Xylene ; p-Xylene
16.777	2113998	VV	0.067	1	79.949	o-Xylene ; Styrene
17.400	875640	PV	0.058	1	39.882	Isopropylbenzene
17.917	1035276	BV	0.050	1	39.971	(H) Bromobenzene
18.111	972054	VV	0.054	1	39.896	n-Propylbenzene
18.255	1064127	VV	0.053	1	39.908	(H) 2Cltoluene
18.427	2464490	VV	0.062	1	79.991	135-Trimethylbenzene;4-cltolu
18.964	748428	VV	0.055	1	39.960	tert-Butylbenzene
19.050	1081113	VV	0.053	1	39.918	124-Trimethylbenzene
19.337	767763	VV	0.056	1	39.934	sec-Butylbenzene
19.522	955685	VV	0.048	1	39.982	(H) 13dcb
19.672	955468	VV	0.050	1	79.862	p-Isopropyltoluene ; (H) 14dcb
20.289	1340284	VV	0.056	1	79.835	n-Butylbenzene ; (H) 12dcb
22.979	327313	BV	0.048	1	39.674	(H) 124-Triclbenzene
23.268	280112	VV	0.054	1	39.915	(H) Hexaclbutadiene
23.379	234256	VV	0.049	1	39.465	Naphthalene
23.780	230434	VB	0.049	1	39.296	(H) 123Triclbenzene

alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071905\010R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 10
Sample Name	: v40	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 19 Jul 05 01:51 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	20 Jul 05 09:20 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

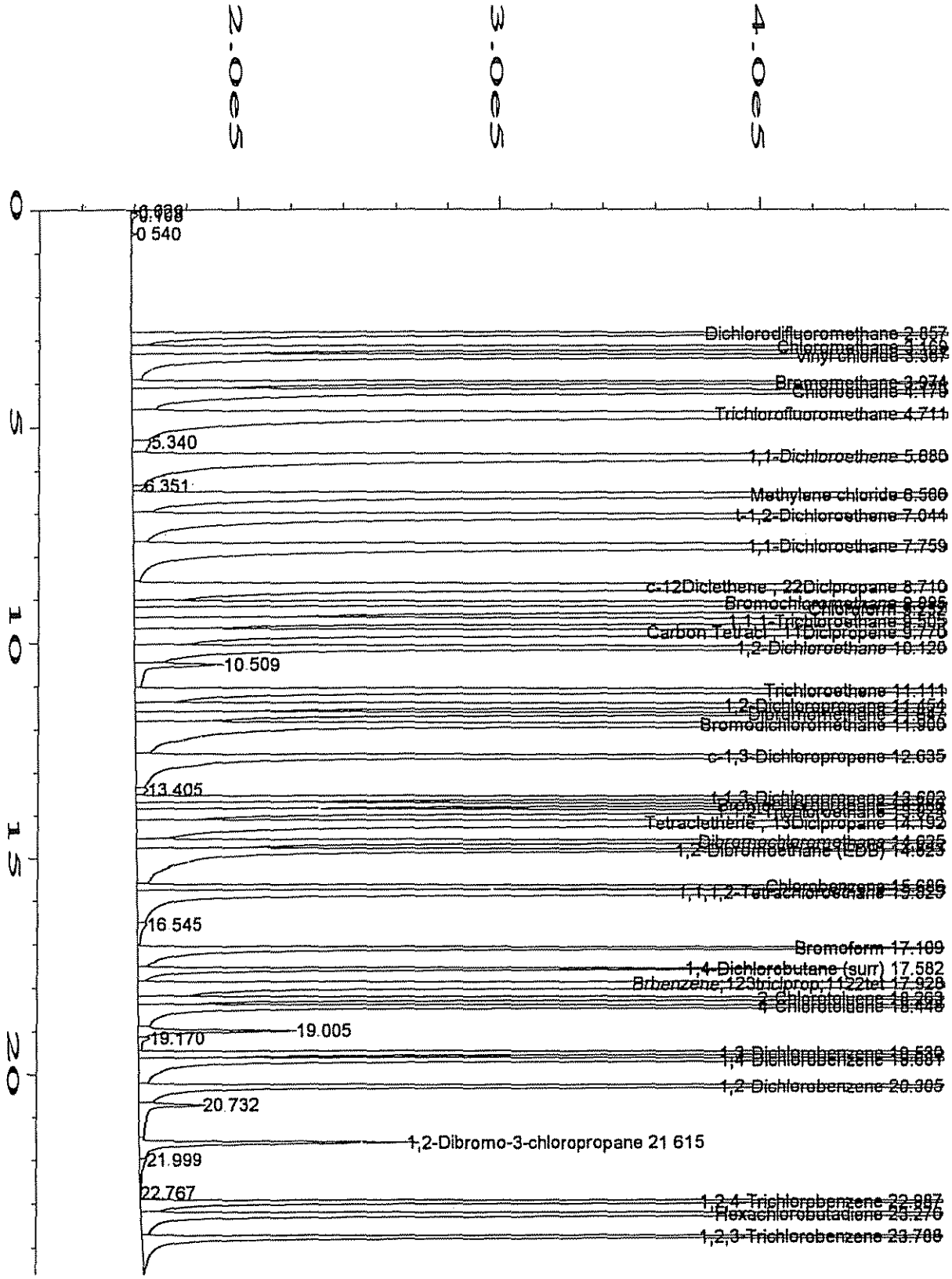
ıta File Name : C:\HPCHEM\1\DATA\071905\011F0101.D
)erator : MJC
ıstrument : GC3
ımple Name : v50
ın Time Bar Code:
:quired on : 19 Jul 05 02:22 PM
ɜport Created on: 20 Jul 05 09:20 AM
ıst Recalib on : 20 JUL 05 09:04 AM
ıltiplier : 1

) Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

ıg. 1 in C:\HPCHEM\1\DATA\071905\011F0101.D

ɜt Time	Area	Type	Width	Ref#	µg/L	Name
2.857	4522380	BV	0.045	1	45.006	Dichlorodifluoromethane
3.169	5441910	VV	0.056	1	45.134	Chloromethane
3.367	4908275	VV	0.055	1	45.603	Vinyl chloride
3.974	2477678	VV	0.055	1	47.704	Bromomethane
4.179	5137436	VV	0.083	1	45.896	Chloroethane
4.711	6794154	VV	0.110	1	46.077	Trichlorofluoromethane
5.680	8107925	VV	0.095	1	45.716	1,1-Dichloroethene
6.566	7792981	VV	0.078	1	44.585	Methylene chloride
7.044	8124131	VV	0.073	1	44.522	t-1,2-Dichloroethene
7.759	8370277	VV	0.088	1	44.462	1,1-Dichloroethane
8.710	1.26936E+007	VV	0.081	1	85.721	c-12Diclethene ; 22Diclpropane
9.095	4019731	VV	0.065	1	45.065	Bromochloromethane
9.232	9655428	VV	0.077	1	44.151	Chloroform
9.505	9007875	VV	0.084	1	43.294	1,1,1-Trichloroethane
9.770	1.45543E+007	VV	0.075	1	85.605	Carbon Tetracl ; 11Diclpropene
10.120	5304183	VV	0.069	1	44.769	1,2-Dichloroethane
11.111	8423095	VV	0.067	1	43.557	Trichloroethene
11.454	6250834	VV	0.071	1	43.456	1,2-Dichloropropane
11.647	2585211	VV	0.066	1	44.541	Dibromomethane
11.900	5969051	VV	0.075	1	45.120	Bromodichloromethane
12.635	5111255	VV	0.070	1	44.239	c-1,3-Dichloropropene
13.602	3507124	VV	0.063	1	45.900	t-1,3-Dichloropropene
13.766	1844496	VV	0.073	1-I	40.000	Bromochloropropane
13.924	4648818	VV	0.071	1	44.058	1,1,2-Trichloroethane
14.192	1.1884E+007	VV	0.082	1	83.547	Tetraclethene ; 13Diclpropane
14.625	3319937	VV	0.070	1	45.372	Dibromochloromethane
14.823	2601591	VV	0.081	1	47.894	1,2-Dibromoethane (EDB)
15.686	3398682	VV	0.061	1	45.604	Chlorobenzene
15.825	7973685	VV	0.071	1	43.590	1,1,1,2-Tetrachloroethane
17.109	1804368	VV	0.067	1	49.256	Bromoform
17.582	1135534	VV	0.061	1	96.804	1,4-Dichlorobutane (surr)
17.928	6304671	VV	0.085	1	134.668	Brbenzene;123triclprop;1122tet
18.263	3275291	VV	0.059	1	44.836	2-Chlorotoluene
18.448	3277681	VV	0.060	1	45.130	4-Chlorotoluene
19.530	4186762	VV	0.056	1	44.166	1,3-Dichlorobenzene
19.681	4437674	VV	0.058	1	43.799	1,4-Dichlorobenzene
20.305	3694756	VV	0.058	1	44.657	1,2-Dichlorobenzene
21.615	514889	VV	0.071	1	53.085	1,2-Dibromo-3-chloropropane
22.987	2924648	PV	0.055	1	44.388	1,2,4-Trichlorobenzene
23.276	4502818	VV	0.062	1	42.626	Hexachlorobutadiene
23.788	2215980	VBA	0.058	1	45.134	1,2,3-Trichlorobenzene

:alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071905\011F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 11
Sample Name	: v50	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 19 Jul 05 02:22 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	20 Jul 05 09:20 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

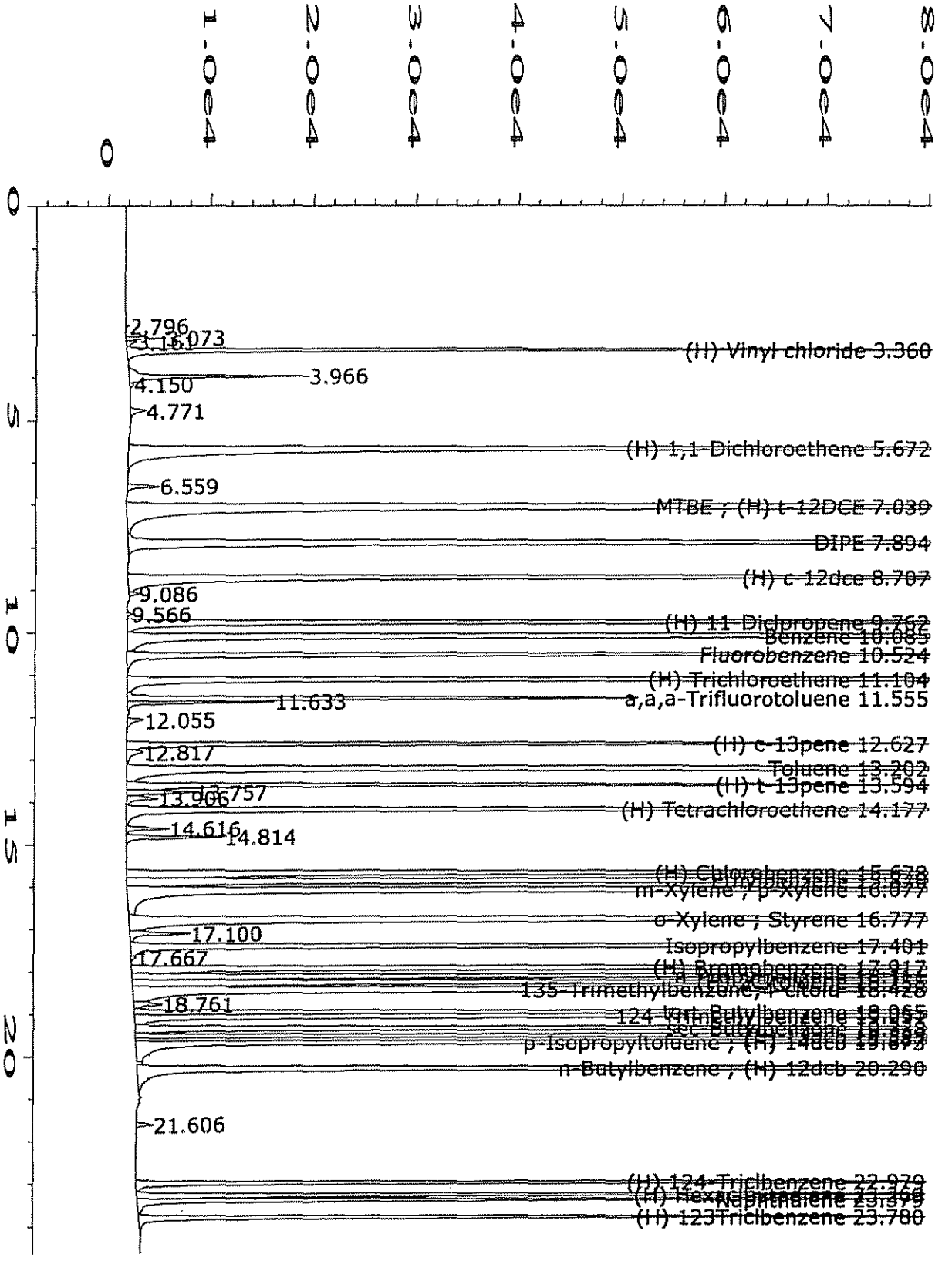
ata File Name : C:\HPCHEM\1\DATA\071905\011R0101.D
perator : MJC
nstrument : GC3
ample Name : v50
un Time Bar Code:
cquired on : 19 Jul 05 02:22 PM
eport Created on: 20 Jul 05 09:20 AM
ast Recalib on : 20 JUL 05 08:33 AM
ultiplier : 1

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

ig. 2 in C:\HPCHEM\1\DATA\071905\011R0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
3.360	309803	VB	0.046	1	50.264	(H) Vinyl chloride
5.672	695913	BB	0.082	1	49.837	(H) 1,1-Dichloroethene
7.039	1940726	BV	0.068	1	99.929	MTBE ; (H) t-12DCE
7.894	701081	VV	0.084	1	50.196	DIPE
8.707	787005	BV	0.064	1	49.998	(H) c-12dce
9.762	728873	PV	0.062	1	50.010	(H) 11-Diclpropene
10.085	1733213	VV	0.062	1	49.967	Benzene
10.524	410232	VV	0.062	1-I	40.000	Fluorobenzene
11.104	1004100	VV	0.059	1	50.111	(H) Trichloroethene
11.555	214264	VV	0.067	1	100.593	a,a,a-Trifluorotoluene
12.627	305866	BV	0.058	1	50.305	(H) c-13pene
13.202	1615631	VV	0.063	1	50.115	Toluene
13.594	319897	VV	0.058	1	50.466	(H) t-13pene
14.177	768810	VV	0.062	1	50.035	(H) Tetrachloroethene
15.678	1518493	BV	0.056	1	50.069	(H) Chlorobenzene
15.870	1421690	VV	0.058	1	49.865	Ethylbenzene
16.077	3223856	VV	0.060	1	99.759	m-Xylene ; p-Xylene
16.777	2648065	VV	0.067	1	99.962	o-Xylene ; Styrene
17.401	1101121	VV	0.058	1	50.071	Isopropylbenzene
17.917	1299690	BV	0.052	1	50.063	(H) Bromobenzene
18.111	1219933	VV	0.054	1	49.994	n-Propylbenzene
18.255	1333424	VV	0.053	1	49.952	(H) 2Cltoluene
18.428	3073277	VV	0.062	1	99.652	135-Trimethylbenzene;4-cltolu
18.965	935545	VV	0.055	1	49.897	tert-Butylbenzene
19.051	1356215	VV	0.052	1	49.991	124-Trimethylbenzene
19.338	961416	VV	0.057	1	49.937	sec-Butylbenzene
19.523	1200255	VV	0.048	1	50.048	(H) 13dcb
19.673	1198060	VV	0.049	1	99.959	p-Isopropyltoluene ; (H) 14dcb
20.290	1681648	VV	0.056	1	99.980	n-Butylbenzene ; (H) 12dcb
22.979	415841	BV	0.048	1	50.243	(H) 124-Triclbenzene
23.269	349153	VV	0.053	1	49.755	(H) Hexaclbutadiene
23.379	302315	VV	0.049	1	50.645	Naphthalene
23.780	297947	VB	0.049	1	50.648	(H) 123Triclbenzene

:alibration table contains at least one peak with amt = 0



ata File Name	: C:\HPCHEM\1\DATA\071905\011R0101.D		
perator	: MJC	Page Number	: 1
nstrument	: GC3	Vial Number	: 11
ample Name	: v50	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 19 Jul 05 02:22 PM	Instrument Method	: 8021_HAL.MTH
eport Created on	: 20 Jul 05 09:20 AM	Analysis Method	: 8021_pid.MTH
ast Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	: 40

601/602 CVS Raw Data

Control Limits for QC Check / Laboratory Control Spike

Method : 601 Spike[ppb] : 10
Instrument : gc3
Filename : 072605\002f0101.txt

				QC Limits			LCS Limits	
	Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
	Bromodichloromethane	10.7	106.9	76.0	124.0	107	42	172
	Bromoform	9.6	96.3	73.5	126.5	96	13	159
	Bromomethane	9.5	95.3	68.5	141.5	95	D	144
	Carbon tetrachloride	11.4	113.6	68.5	131.5	114	43	143
	Chlorobenzene	10.8	107.9	72.0	128.0	108	38	150
	Chloroethane	10.9	108.7	77.0	123.0	109	46	137
	Chloroform	11.1	110.6	75.0	125.0	111	49	133
	Chloromethane	10.6	105.8	59.5	140.5	106	D	193
	Dibromochloromethane	10.5	104.9	65.5	134.5	105	24	191
•	1,2-Dibromoethane	10.3	102.9	13.6	186.4	103	D	206
	1,2-Dichlorobenzene	10.9	109.1	70.0	130.0	109	D	208
	1,3-Dichlorobenzene	11.0	109.6	49.5	150.5	110	7	187
	1,4-Dichlorobenzene	11.1	110.5	69.5	130.5	111	42	143
	1,1-Dichloroethane	11.2	111.5	84.0	116.0	112	47	132
	1,2-Dichloroethane	10.6	106.2	71.5	128.5	106	51	147
	1,1-Dichloroethene	11.1	111.1	63.0	137.0	111	28	167
•	cis-1,2-Dichloroethene	11.6	116.1	34.4	180.6	116	19	181
	trans-1,2-Dichloroethene	11.4	114.4	64.0	136.0	114	38	156
	1,2-Dichloropropane	11.0	110.3	74.0	126.0	110	44	156
	cis-1,3-Dichloropropene	10.6	106.0	64.0	136.0	106	22	178
	trans-1,3-Dichloropropene	10.0	99.5	64.0	136.0	100	22	178
	Methylene Chloride	10.9	109.2	77.5	122.5	109	25	162
	1,1,2,2-Tertrachloroethane	10.4	104.5	49.0	151.0	104	8	184
	Tetrachloroethane	11.2	112.4	70.0	130.0	112	26	162
	1,1,1-Trichloroethane	11.3	112.8	71.0	129.0	113	41	138
	1,1,2-Trichloroethane	10.3	102.8	78.5	121.5	103	39	136
	Trichloroethene	11.4	113.9	77.0	123.0	114	35	146
	Trichlorofluromethane	11.0	109.7	66.5	133.5	110	21	156
	Vinyl Chloride	10.4	104.2	68.5	131.5	104	28	163

Method: 602 Spike[ppb] : 10
Instrument : gc3
Filename : 072605\002r0101.txt

				QC Limits			LCS Limits	
	Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
	Benzene	10.4	103.7	77.0	123.0	104	39	150
	Chlorobenzene	10.4	103.6	80.5	119.5	104	55	135
	1,2-Dichlorobenzene	10.9	108.9	68.0	132.0	109	37	154
	1,3-Dichlorobenzene	10.5	104.7	72.5	127.5	105	50	141
	1,4-Dichlorobenzene	10.6	106.5	69.5	130.5	106	42	143
•	Diisopropyl ether	10.0	100.1	43.1	156.9	100	30	170
	Ethylbenzene	10.8	108.1	63.0	137.0	108	32	160
•	MTBE	10.2	101.7	46.8	153.2	102	35	165
	Toluene	10.6	105.8	77.5	127.0	106	46	148
•	m,p-Xylene	22.1	110.7	11.2	188.8	111	D	239
•	o-Xylene	10.9	108.9	47.6	152.4	109	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected

Reviewed by:_____

Control Limits for QC Check / Laboratory Control Spike

Method : 601 **Spike[ppb] :** 10
Instrument : gc3
Filename : 072605\003f0101.txt

				QC Limits			LCS Limits	
	Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
	Bromodichloromethane	10.7	107.3	76.0	124.0	107	42	172
	Bromoform	9.5	94.5	73.5	126.5	95	13	159
	Bromomethane	10.7	106.7	58.5	141.5	107	D	144
	Carbon tetrachloride	11.5	115.1	68.5	131.5	115	43	143
	Chlorobenzene	10.9	109.0	72.0	128.0	109	38	150
	Chloroethane	11.2	111.8	77.0	123.0	112	46	137
	Chloroform	11.2	112.4	75.0	125.0	112	49	133
	Chloromethane	11.0	110.2	59.5	140.5	110	D	193
	Dibromochloromethane	10.3	103.1	65.5	134.5	103	24	191
•	1,2-Dibromoethane	10.2	102.2	13.6	186.4	102	D	206
	1,2-Dichlorobenzene	10.7	107.1	70.0	130.0	107	D	208
	1,3-Dichlorobenzene	10.9	109.0	49.5	150.5	109	7	187
	1,4-Dichlorobenzene	11.0	110.0	69.5	130.5	110	42	143
	1,1-Dichloroethane	11.4	113.7	84.0	116.0	114	47	132
	1,2-Dichloroethane	10.7	106.8	71.5	128.5	107	51	147
	1,1-Dichloroethene	11.3	113.3	63.0	137.0	113	28	167
•	cis-1,2-Dichloroethene	11.7	116.6	34.4	180.6	117	19	181
	trans-1,2-Dichloroethene	11.5	115.0	64.0	136.0	115	38	155
	1,2-Dichloropropane	11.0	110.2	74.0	126.0	110	44	156
	cis-1,3-Dichloropropene	10.4	104.0	64.0	136.0	104	22	178
	trans-1,3-Dichloropropene	9.8	98.0	64.0	136.0	98	22	178
	Methylene Chloride	11.1	110.7	77.5	122.5	111	25	162
	1,1,2,2-Tertrachloroethane	10.2	101.8	49.0	151.0	102	8	184
	Tetrachloroethane	11.2	112.5	70.0	130.0	112	26	162
	1,1,1-Trichloroethane	11.5	114.8	71.0	129.0	115	41	138
	1,1,2-Trichloroethane	10.4	104.3	78.5	121.5	104	39	136
	Trichloroethene	11.6	116.2	77.0	123.0	116	35	146
	Trichloroflurometh ane	11.1	111.3	66.5	133.5	111	21	156
	Vinyl Chloride	11.0	109.7	68.5	131.5	110	28	163

Method: 602 **Spike[ppb] :** 10
Instrument : gc3
Filename : 072605\003r0101.txt

				QC Limits			LCS Limits	
	Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
	Benzene	10.2	102.2	77.0	123.0	102	39	150
	Chlorobenzene	10.0	99.8	80.5	119.5	100	55	135
	1,2-Dichlorobenzene	10.3	103.3	68.0	132.0	103	37	154
	1,3-Dichlorobenzene	9.9	98.8	72.5	127.5	99	50	141
	1,4-Dichlorobenzene	10.1	101.3	69.5	130.5	101	42	143
•	Diisopropyl ether	9.8	97.5	43.1	156.9	98	30	170
	Ethylbenzene	10.4	104.2	63.0	137.0	104	32	160
•	MTBE	10.1	101.0	46.8	153.2	101	35	165
	Toluene	10.3	102.8	77.5	127.0	103	46	148
•	m,p-Xylene	21.2	106.0	11.2	188.8	106	D	239
•	o-Xylene	10.4	103.5	47.6	152.4	104	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected

Reviewed by:_____

Internal Standard Report

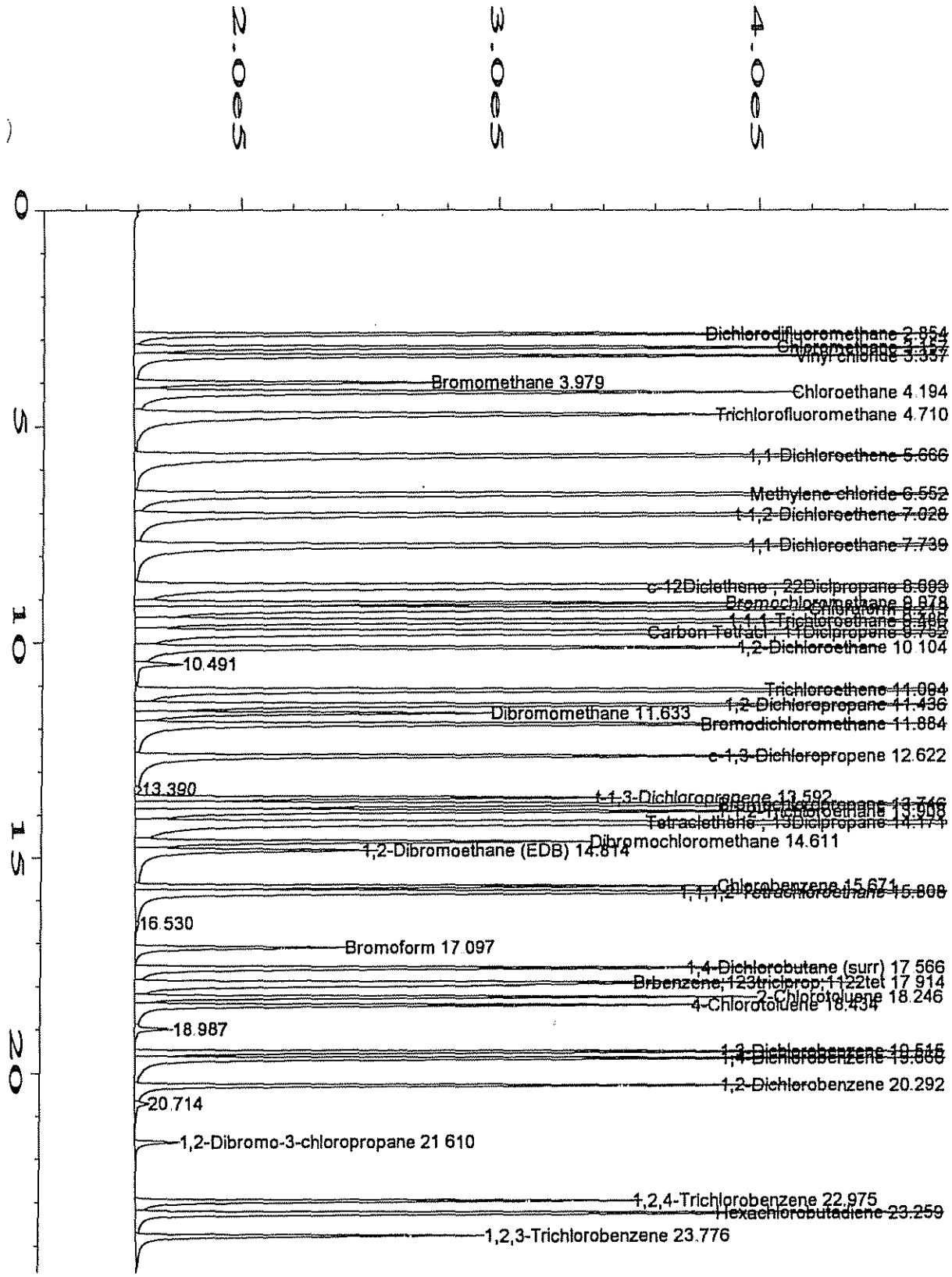
Data File Name : C:\HPCHEM\1\DATA\072605\002F0101.D
Operator : MJC
Instrument : GC3
Sample Name : qchk010
Run Time Bar Code:
Acquired on : 26 Jul 05 09:23 AM
Report Created on: 26 Jul 05 09:48 AM
Last Recalib on : 20 JUL 05 09:04 AM
Multiplier : 1

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 1 in C:\HPCHEM\1\DATA\072605\002F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.854	1116532	BV	0.045	1	10.088	Dichlorodifluoromethane
3.157	1403026	VV	0.053	1	10.581	Chloromethane
3.357	1260262	VV	0.057	1	10.424	Vinyl chloride
3.979	522620	VV	0.064	1	9.525	Bromomethane
4.194	1329643	VV	0.075	1	10.872	Chloroethane
4.710	1764566	VV	0.097	1	10.965	Trichlorofluoromethane
5.666	2144738	VV	0.084	1	11.108	1,1-Dichloroethene
6.552	2087024	VV	0.073	1	10.917	Methylene chloride
7.028	2283138	VV	0.068	1	11.442	t-1,2-Dichloroethene
7.739	2295132	VV	0.082	1	11.154	1,1-Dichloroethane
8.693	3784106	VV	0.079	1	23.217	c-12Diclethene ; 22Diclpropane
9.078	1020783	VV	0.063	1	10.697	Bromochloromethane
9.213	2675055	VV	0.070	1	11.061	Chloroform
9.486	2581919	VV	0.077	1	11.278	1,1,1-Trichloroethane
9.752	4289679	VV	0.071	1	22.724	Carbon Tetracl ; 11Diclpropene
10.104	1384413	VV	0.072	1	10.619	1,2-Dichloroethane
11.094	2407724	VV	0.064	1	11.394	Trichloroethene
11.436	1774314	VV	0.069	1	11.032	1,2-Dichloropropane
11.633	651697	VV	0.069	1	10.606	Dibromomethane
11.884	1530235	VV	0.073	1	10.689	Bromodichloromethane
12.622	1314674	VV	0.070	1	10.604	c-1,3-Dichloropropene
13.592	772654	VV	0.064	1	9.952	t-1,3-Dichloropropene
13.746	1914834	VV	0.075	1-I	40.000	Bromochloropropane
13.908	1299230	VV	0.074	1	10.275	1,1,2-Trichloroethane
14.171	3575272	VV	0.079	1	22.474	Tetraclethene ; 13Diclpropane
14.611	829274	VV	0.070	1	10.492	Dibromochloromethane
14.814	612863	VV	0.093	1	10.286	1,2-Dibromoethane (EDB)
15.671	851239	VV	0.057	1	10.787	Chlorobenzene
15.808	2244564	VV	0.069	1	11.071	1,1,1,2-Tetrachloroethane
17.097	362997	BV	0.064	1	9.631	Bromoform
17.566	1120482	VV	0.062	1	92.012	1,4-Dichlorobutane (surr)
17.914	1625282	VV	0.084	1	31.347	Brbenzene;123triclprop;1122tet
18.246	892109	VV	0.057	1	11.154	2-Chlorotoluene
18.434	888291	VV	0.062	1	11.067	4-Chlorotoluene
19.515	1115246	PV	0.054	1	10.962	1,3-Dichlorobenzene
19.666	1230436	VV	0.061	1	11.053	1,4-Dichlorobenzene
20.292	980826	VV	0.058	1	10.909	1,2-Dichlorobenzene
21.610	93151	BV	0.076	1	9.398	1,2-Dibromo-3-chloropropane
22.975	738270	BV	0.059	1	10.573	1,2,4-Trichlorobenzene
23.259	1334904	VV	0.058	1	11.453	Hexachlorobutadiene
23.776	538797	VBA	0.059	1	10.099	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\072605\002F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 2
Sample Name	: qchk010	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 09:23 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Jul 05 09:48 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

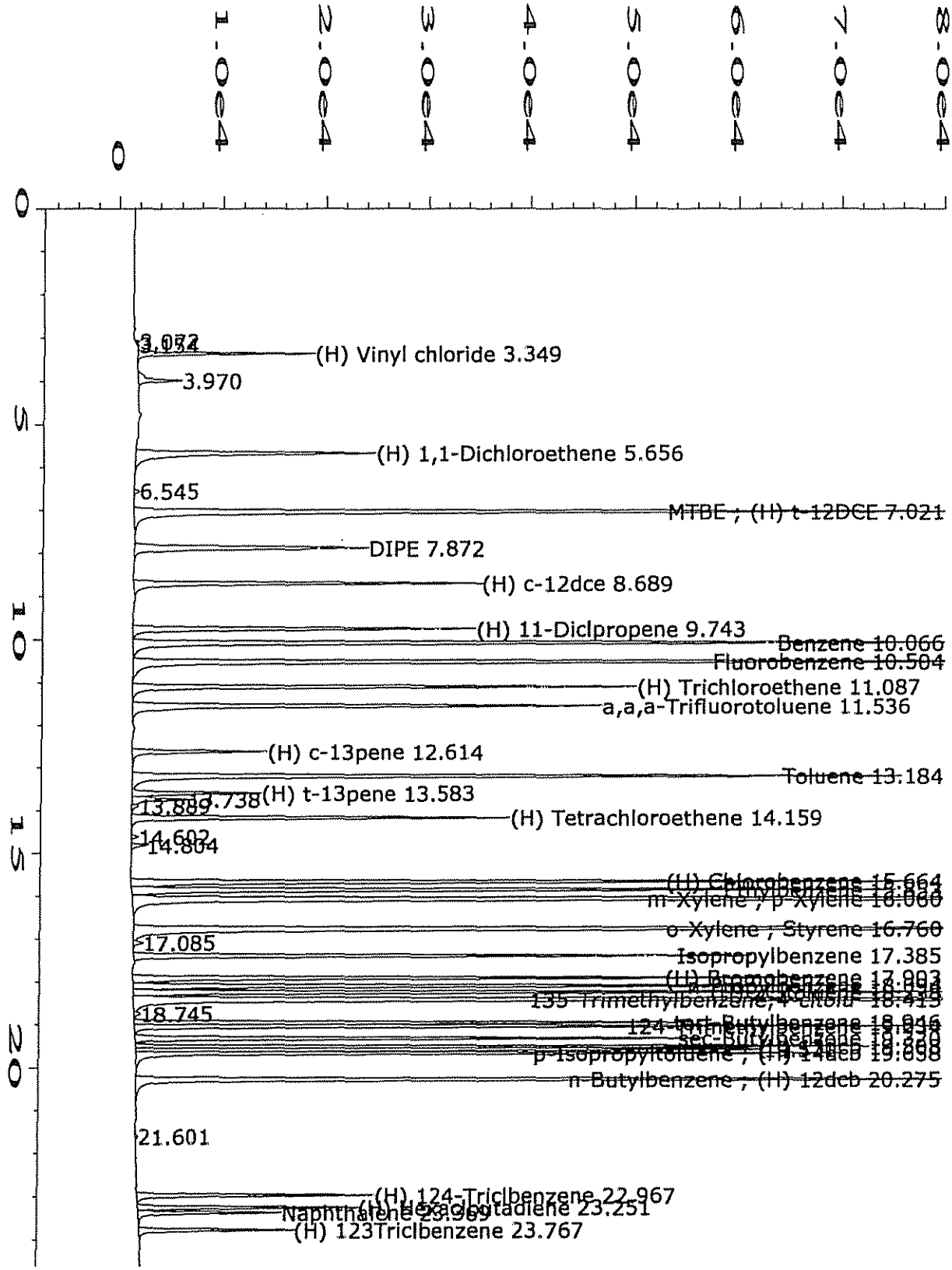
Internal Standard Report

)ata File Name	: C:\HPCHEM\1\DATA\072605\002R0101.D		
)perator	: MJC	Page Number	: 1
nstrument	: GC3	Vial Number	: 2
;ample Name	: qchk010	Injection Number	: 1
;un Time Bar Code:		Sequence Line	: 1
;cquired on	: 26 Jul 05 09:23 AM	Instrument Method	: 8021_HAL.MTH
;eport Created on	: 26 Jul 05 09:48 AM	Analysis Method	: 8021_pid.MTH
;ast Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
;ultiplier	: 1	ISTD Amount	: 40

;ig. 2 in C:\HPCHEM\1\DATA\072605\002R0101.D

;et Time	Area	Type	Width	Ref#	µg/L	Name
3.349	54810	BB	0.048	1	9.193	(H) Vinyl chloride
5.656	129265	BB	0.083	1	10.069	(H) 1,1-Dichloroethene
7.021	359718	BB	0.066	1	20.349	MTBE ; (H) t-12DCE
7.872	125727	BB	0.084	1	10.011	DIPE
8.689	141740	BV	0.062	1	9.924	(H) c-12dce
9.743	136667	BV	0.063	1	10.277	(H) 11-Diclpropene
10.066	329008	VV	0.063	1	10.369	Benzene
10.504	370665	VV	0.062	1-I	40.000	Fluorobenzene
11.087	191540	VV	0.060	1	10.473	(H) Trichloroethene
11.536	206797	VV	0.069	1	107.451	a,a,a-Trifluorotoluene
12.614	53699	BB	0.062	1	9.874	(H) c-13pene
13.184	310409	BV	0.063	1	10.575	Toluene
13.583	51068	VV	0.062	1	9.415	(H) t-13pene
14.159	149068	VB	0.062	1	10.631	(H) Tetrachloroethene
15.664	284257	BV	0.058	1	10.360	(H) Chlorobenzene
15.853	283053	VV	0.059	1	10.812	Ethylbenzene
16.060	658770	VB	0.060	1	22.131	m-Xylene ; p-Xylene
16.760	526569	BV	0.070	1	21.784	o-Xylene ; Styrene
17.385	221271	PV	0.058	1	10.997	Isopropylbenzene
17.903	243355	BV	0.055	1	10.345	(H) Bromobenzene
18.094	249516	VV	0.055	1	11.157	n-Propylbenzene
18.238	272013	VV	0.052	1	11.058	(H) 2Cltoluene
18.413	636887	VV	0.062	1	22.370	135-Trimethylbenzene;4-cltolu
18.946	192982	VV	0.055	1	11.163	tert-Butylbenzene
19.034	272924	VV	0.053	1	11.003	124-Trimethylbenzene
19.320	197497	VV	0.056	1	11.176	sec-Butylbenzene
19.508	224175	VV	0.048	1	10.466	(H) 13dcb
19.658	233103	VV	0.051	1	21.297	p-Isopropyltoluene ; (H) 14dcb
20.275	334212	BB	0.056	1	21.789	n-Butylbenzene ; (H) 12dcb
22.967	75438	BV	0.050	1	10.190	(H) 124-Triclbenzene
23.251	74140	VV	0.053	1	11.292	(H) Hexaclbutadiene
23.369	48410	VB	0.052	1	9.423	Naphthalene
23.767	51430	BV	0.052	1	9.764	(H) 123Triclbenzene

;alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\072605\002R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 2
Sample Name	: qchk010	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 09:23 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Jul 05 09:48 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

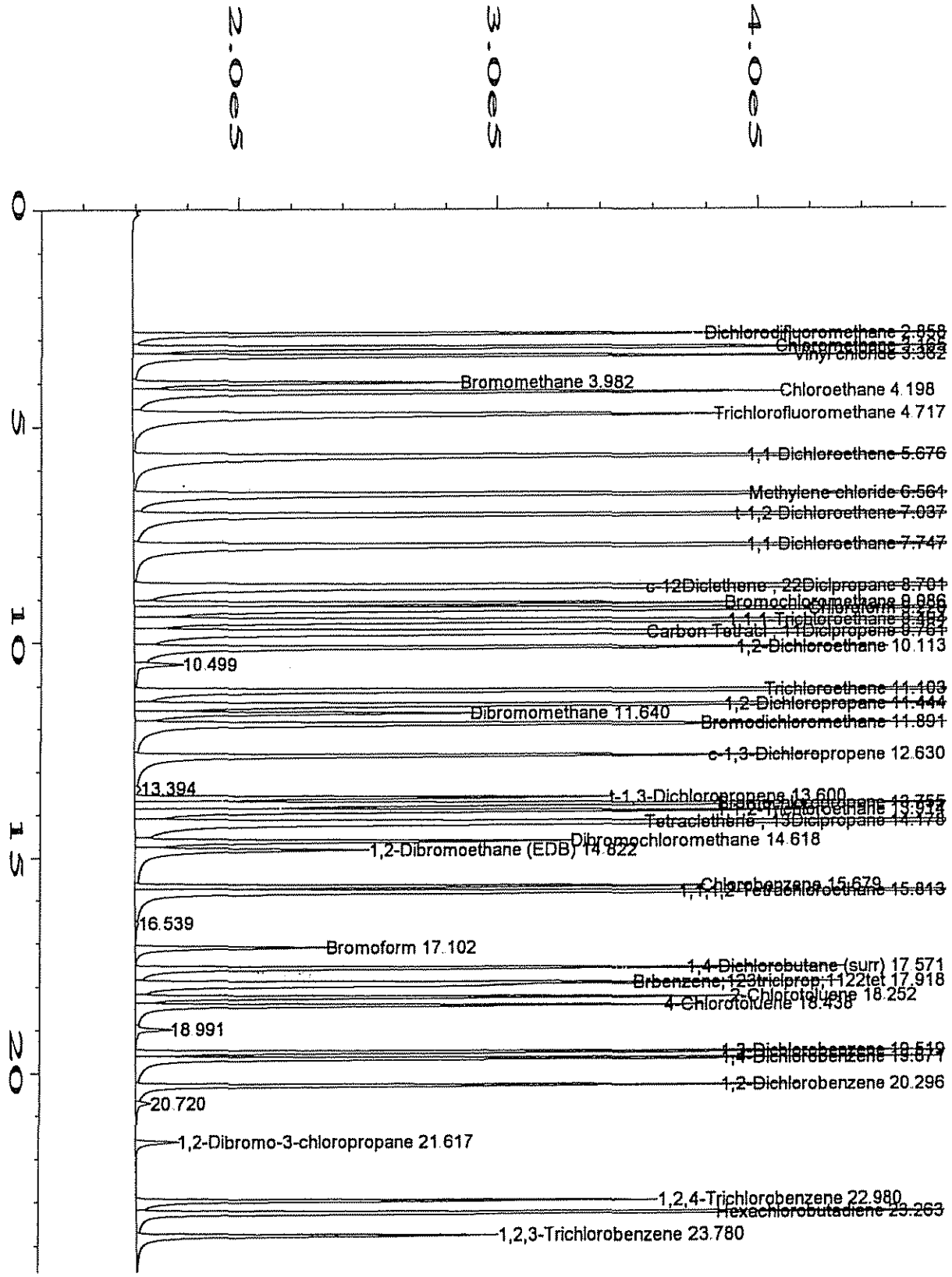
Data File Name : C:\HPCHEM\1\DATA\072605\003F0101.D
Operator : MJC
Instrument : GC3
Sample Name : qchk010
Run Time Bar Code:
Acquired on : 26 Jul 05 09:54 AM
Report Created on: 26 Jul 05 10:19 AM
Last Recalib on : 20 JUL 05 09:04 AM
Multiplier : 1

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 1 in C:\HPCHEM\1\DATA\072605\003F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.858	1165669	BV	0.047	1	10.702	Dichlorodifluoromethane
3.165	1439996	VV	0.057	1	11.021	Chloromethane
3.362	1304697	VV	0.058	1	10.973	Vinyl chloride
3.982	577129	VV	0.070	1	10.668	Bromomethane
4.198	1348616	VV	0.080	1	11.178	Chloroethane
4.717	1768074	VV	0.100	1	11.128	Trichlorofluoromethane
5.676	2159452	VV	0.087	1	11.330	1,1-Dichloroethene
6.561	2089744	VV	0.075	1	11.071	Methylene chloride
7.037	2266462	VV	0.069	1	11.496	t-1,2-Dichloroethene
7.747	2309228	VV	0.081	1	11.370	1,1-Dichloroethane
8.701	3753974	VV	0.077	1	23.312	c-12Diclethene ; 22Diclpropane
9.086	1000268	VV	0.065	1	10.603	Bromochloromethane
9.220	2682627	VV	0.069	1	11.238	Chloroform
9.494	2593344	VV	0.071	1	11.477	1,1,1-Trichloroethane
9.761	4288602	VV	0.074	1	23.013	Carbon Tetracl ; 11Diclpropene
10.113	1375941	VV	0.069	1	10.684	1,2-Dichloroethane
11.103	2424399	VV	0.067	1	11.624	Trichloroethene
11.444	1752283	VV	0.070	1	11.023	1,2-Dichloropropane
11.640	636845	VV	0.071	1	10.484	Dibromomethane
11.891	1517514	VV	0.071	1	10.728	Bromodichloromethane
12.630	1275504	VV	0.073	1	10.401	c-1,3-Dichloropropene
13.600	751411	VV	0.061	1	9.797	t-1,3-Dichloropropene
13.755	1892441	VV	0.073	1-I	40.000	Bromochloropropane
13.914	1300314	VV	0.071	1	10.433	1,1,2-Trichloroethane
14.178	3536481	VV	0.078	1	22.495	Tetraclethene ; 13Diclpropane
14.618	806047	VV	0.070	1	10.309	Dibromochloromethane
14.822	602254	VV	0.088	1	10.223	1,2-Dibromoethane (EDB)
15.679	849492	VV	0.059	1	10.895	Chlorobenzene
15.813	2207071	VV	0.067	1	11.009	1,1,1,2-Tetrachloroethane
17.102	351961	BV	0.068	1	9.450	Bromoform
17.571	1107068	VV	0.059	1	91.986	1,4-Dichlorobutane (surr)
17.918	1568070	VV	0.079	1	30.535	Brbenzene;123triclprop;1122tet
18.252	877517	VV	0.058	1	11.098	2-Chlorotoluene
18.438	874102	VV	0.063	1	11.015	4-Chlorotoluene
19.519	1095898	PV	0.054	1	10.896	1,3-Dichlorobenzene
19.671	1210447	VV	0.062	1	10.998	1,4-Dichlorobenzene
20.296	952547	VV	0.060	1	10.708	1,2-Dichlorobenzene
21.617	94164	BV	0.081	1	9.608	1,2-Dibromo-3-chloropropane
22.980	737431	BV	0.054	1	10.689	1,2,4-Trichlorobenzene
23.263	1365259	VV	0.059	1	11.887	Hexachlorobutadiene
23.780	560415	VBA	0.058	1	10.661	1,2,3-Trichlorobenzene

:alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\072605\003F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 3
Sample Name	: qchk010	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 09:54 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Jul 05 10:19 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

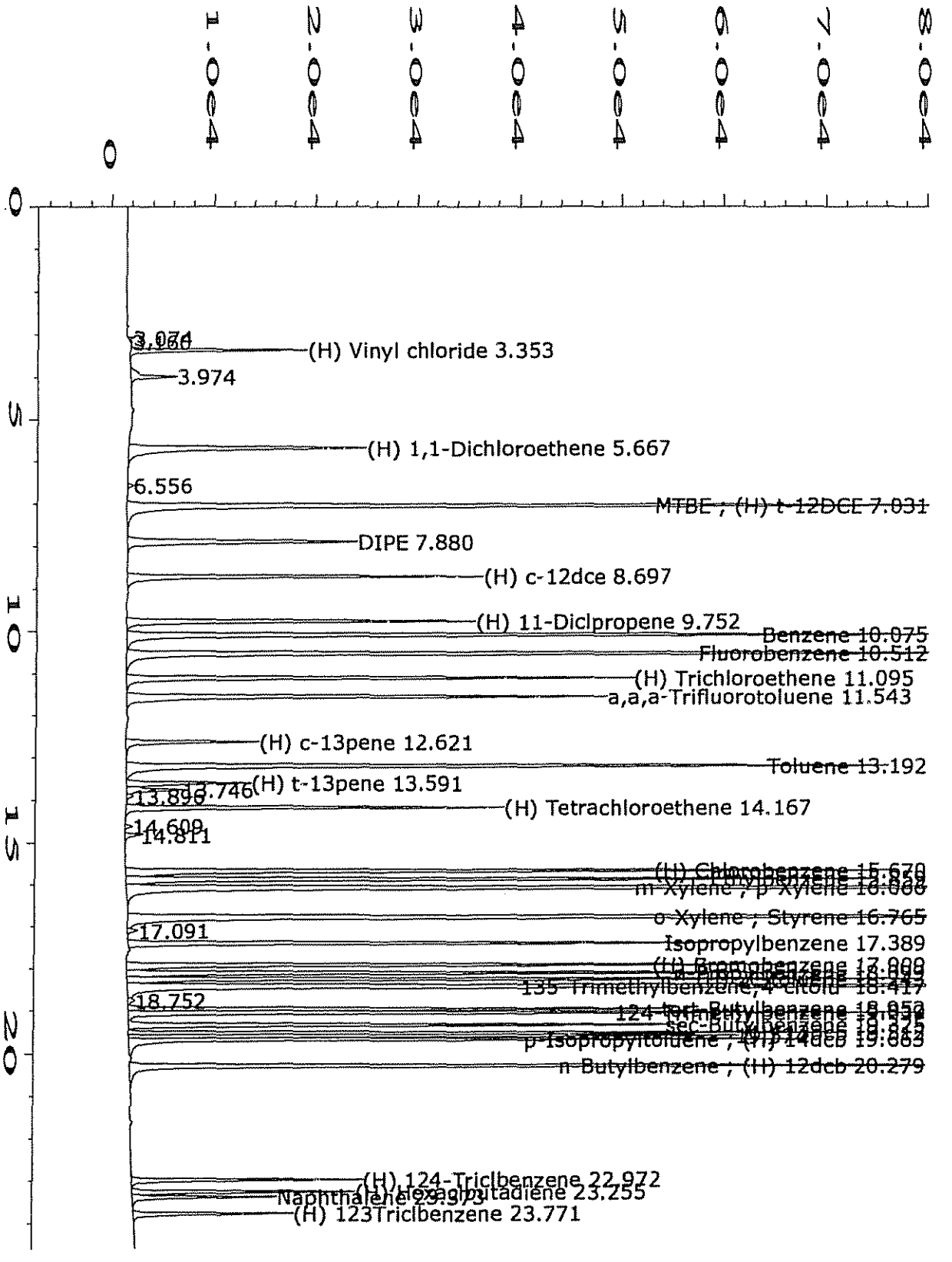
Data File Name : C:\HPCHEM\1\DATA\072605\003R0101.D
Operator : MJC
Instrument : GC3
Sample Name : qchk010
Run Time Bar Code:
Acquired on : 26 Jul 05 09:54 AM
Report Created on: 26 Jul 05 10:19 AM
Last Recalib on : 20 JUL 05 08:33 AM
Multiplier : 1

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 2 in C:\HPCHEM\1\DATA\072605\003R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.353	57224	BB	0.050	1	9.271	(H) Vinyl chloride
5.667	133980	BB	0.084	1	10.074	(H) 1,1-Dichloroethene
7.031	369940	BV	0.066	1	20.200	MTBE ; (H) t-12DCE
7.880	126855	VB	0.085	1	9.752	DIPE
8.697	145474	BV	0.063	1	9.831	(H) c-12dce
9.752	140822	PV	0.063	1	10.221	(H) 11-Diclpropene
10.075	336077	VV	0.063	1	10.222	Benzene
10.512	383993	VV	0.063	1-I	40.000	Fluorobenzene
11.095	193891	VV	0.060	1	10.230	(H) Trichloroethene
11.543	213593	VB	0.068	1	107.130	a,a,a-Trifluorotoluene
12.621	54180	BB	0.064	1	9.620	(H) c-13pene
13.192	312692	BV	0.065	1	10.280	Toluene
13.591	50165	VV	0.061	1	8.959	(H) t-13pene
14.167	149602	BB	0.063	1	10.294	(H) Tetrachloroethene
15.670	283569	BV	0.058	1	9.976	(H) Chlorobenzene
15.859	282821	VV	0.059	1	10.420	Ethylbenzene
16.066	654483	VB	0.060	1	21.201	m-Xylene ; p-Xylene
16.765	518725	BV	0.072	1	20.701	o-Xylene ; Styrene
17.389	219477	PV	0.058	1	10.522	Isopropylbenzene
17.909	238072	BV	0.055	1	9.767	(H) Bromobenzene
18.099	246389	VV	0.055	1	10.625	n-Propylbenzene
18.243	267515	VV	0.053	1	10.483	(H) 2Cltoluene
18.417	626035	VV	0.065	1	21.194	135-Trimethylbenzene;4-cltolu
18.952	190590	VV	0.056	1	10.628	tert-Butylbenzene
19.039	268415	VV	0.053	1	10.438	124-Trimethylbenzene
19.325	196034	VV	0.056	1	10.698	sec-Butylbenzene
19.512	218974	VV	0.048	1	9.877	(H) 13dcb
19.663	229790	VV	0.052	1	20.251	p-Isopropyltoluene ; (H) 14dcb
20.279	328590	VB	0.058	1	20.666	n-Butylbenzene ; (H) 12dcb
22.972	75106	BV	0.051	1	9.798	(H) 124-Triclbenzene
23.255	75638	VV	0.055	1	11.112	(H) Hexaclbutadiene
23.373	49494	VB	0.052	1	9.307	Naphthalene
23.771	53404	BB	0.052	1	9.787	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\072605\003R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 3
Sample Name	: qchk010	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 09:54 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Jul 05 10:19 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

601/602 QC, Blanks Raw Data

Internal Standard Report

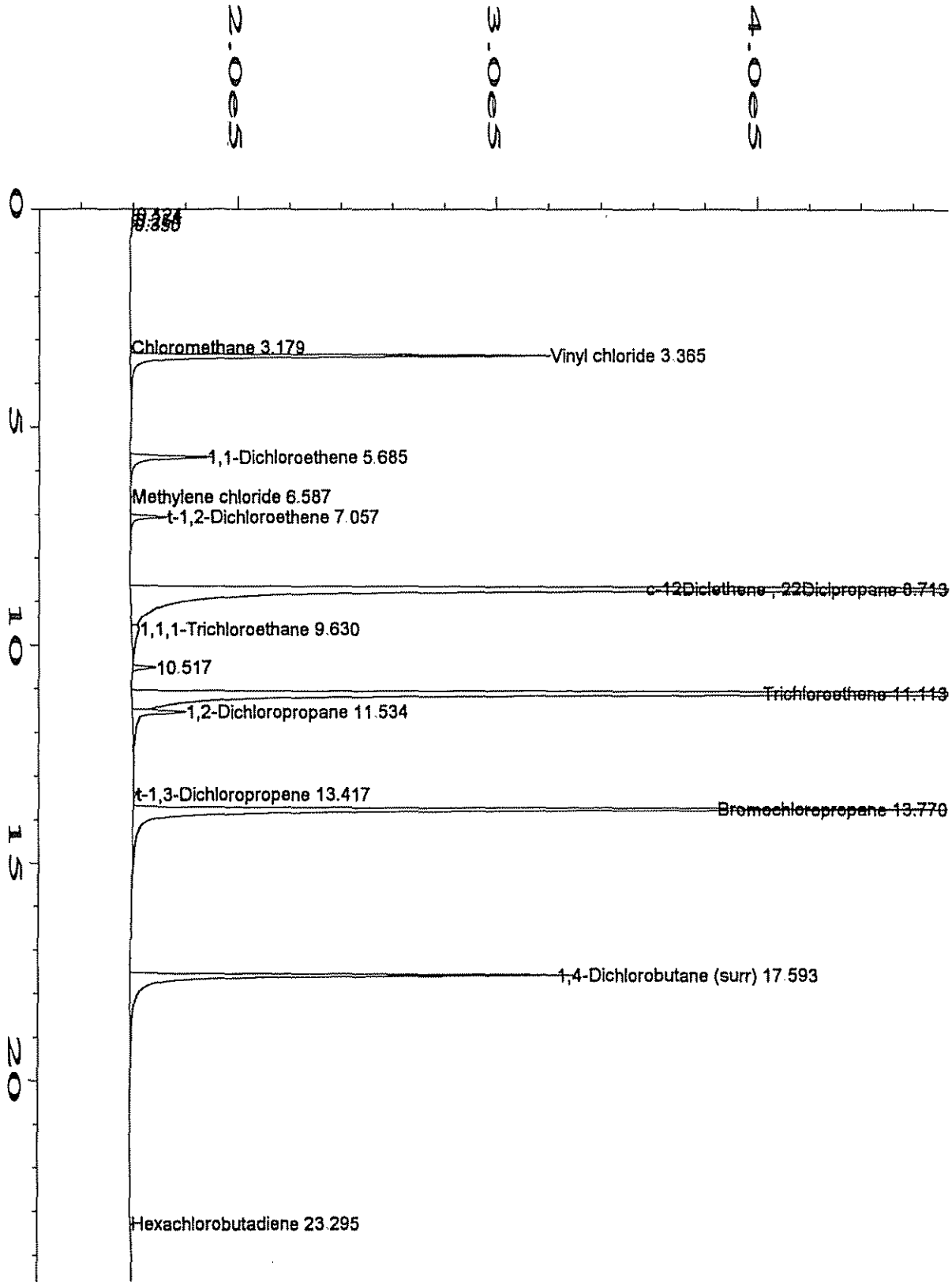
ata File Name : C:\HPCHEM\1\DATA\072605\018F0101.D
perator : MJC
nstrument : GC3
ample Name : 143099 x800
un Time Bar Code:
cquired on : 26 Jul 05 05:40 PM
eport Created on: 27 Jul 05 03:29 PM
ast Recalib on : 20 JUL 05 09:04 AM
ultiplier : 1

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

ig. 1 in C:\HPCHEM\1\DATA\072605\018F0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
2.859	* not found *			1		Dichlorodifluoromethane
3.179	2232	BV	0.093	1	-0.816	Chloromethane
3.365	714212	VB	0.064	1	5.891	Vinyl chloride
3.977	* not found *			1		Bromomethane
4.192	* not found *			1		Chloroethane
4.718	* not found *			1		Trichlorofluoromethane
5.685	191153	BV	0.082	1	0.405	1,1-Dichloroethene
6.587	3787	VB	0.077	1	-0.765	Methylene chloride
7.057	73558	BB	0.071	1	-0.413	t-1,2-Dichloroethene
7.759	* not found *			1		1,1-Dichloroethane
8.713	6629270	BV	0.072	1	45.353	c-12Diclethene ; 22Diclpropane
9.095	* not found *			1		Bromochloromethane
9.232	* not found *			1		Chloroform
9.630	66055	VB	0.293	1	-0.598	1,1,1-Trichloroethane
9.771	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.120	* not found *			1		1,2-Dichloroethane
11.113	4875315	BV	0.067	1	25.661	Trichloroethene
11.534	167320	VB	0.105	1	0.0648	1,2-Dichloropropane
11.647	* not found *			1		Dibromomethane
11.900	* not found *			1		Bromodichloromethane
12.636	* not found *			1		c-1,3-Dichloropropene
13.417	6827	BV	0.071	1	0.359	t-1,3-Dichloropropene
13.770	1785172	VB	0.074	1-I	40.000	Bromochloropropane
13.925	* not found *			1		1,1,2-Trichloroethane
14.193	* not found *			1		Tetraclethene ; 13Diclpropane
14.624	* not found *			1		Dibromochloromethane
14.824	* not found *			1		1,2-Dibromoethane (EDB)
15.686	* not found *			1		Chlorobenzene
15.824	* not found *			1		1,1,1,2-Tetrachloroethane
17.109	* not found *			1		Bromoform
17.593	922751	BB	0.080	1	81.278	1,4-Dichlorobutane (surr)
17.927	* not found *			1		Brbenzene;123triclprop;1122tet
18.262	* not found *			1		2-Chlorotoluene
18.448	* not found *			1		4-Chlorotoluene
19.529	* not found *			1		1,3-Dichlorobenzene
19.679	* not found *			1		1,4-Dichlorobenzene
20.305	* not found *			1		1,2-Dichlorobenzene
21.616	* not found *			1		1,2-Dibromo-3-chloropropane
22.987	* not found *			1		1,2,4-Trichlorobenzene
23.295	764	BV	0.036	1	-0.999	Hexachlorobutadiene
23.788	* not found *			1		1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\072605\018F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 18
Sample Name	: 143099 x800	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 05:40 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 27 Jul 05 03:29 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

ata File Name : C:\HPCHEM\1\DATA\072605\018R0101.D
perator : MJC
nstrument : GC3
ample Name : 143099 x800
un Time Bar Code:
cquired on : 26 Jul 05 05:40 PM
eport Created on: 27 Jul 05 03:29 PM
ast Recalib on : 20 JUL 05 08:33 AM
ultiplier : 1

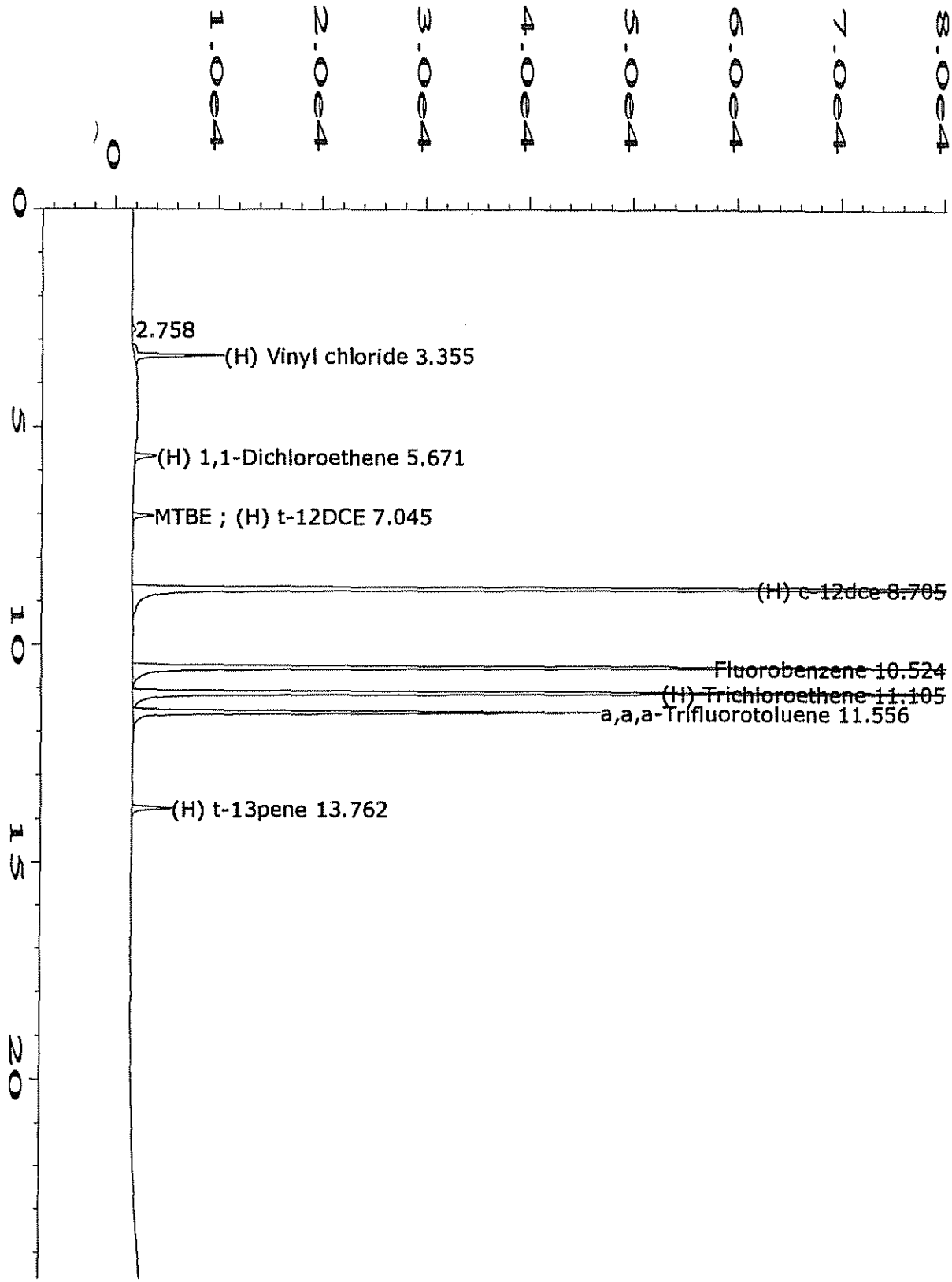
Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

ig. 2 in C:\HPCHEM\1\DATA\072605\018R0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
3.355	38232	BB	0.064	1	6.546	(H) Vinyl chloride
5.671	11373	BB	0.080	1	0.733	(H) 1,1-Dichloroethene
7.045	9133	BB	0.069	1	0.361	MTBE ; (H) t-12DCE
7.894	* not found *			1		DIPE
8.705	520914	BB	0.064	1	38.595	(H) c-12dce
9.762	* not found *			1		(H) 11-Diclpropene
10.085	* not found *			1		Benzene
10.524	351639	BV	0.064	1-I	40.000	Fluorobenzene
11.105	387592	VV	0.061	1	22.492	(H) Trichloroethene
11.556	200061	VB	0.069	1	109.575	a,a,a-Trifluorotoluene
12.627	* not found *			1		(H) c-13pene
13.202	* not found *			1		Toluene
13.762	18415	BB	0.072	1	3.955	(H) t-13pene
14.177	* not found *			1		(H) Tetrachloroethene
15.678	* not found *			1		(H) Chlorobenzene
15.870	* not found *			1		Ethylbenzene
16.077	* not found *			1		m-Xylene ; p-Xylene
16.777	* not found *			1		o-Xylene ; Styrene
17.401	* not found *			1		Isopropylbenzene
17.917	* not found *			1		(H) Bromobenzene
18.111	* not found *			1		n-Propylbenzene
18.255	* not found *			1		(H) 2Cltoluene
18.428	* not found *			1		135-Trimethylbenzene;4-cltolu
18.965	* not found *			1		tert-Butylbenzene
19.051	* not found *			1		124-Trimethylbenzene
19.338	* not found *			1		sec-Butylbenzene
19.523	* not found *			1		(H) 13dcb
19.673	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.290	* not found *			1		n-Butylbenzene ; (H) 12dcb
22.979	* not found *			1		(H) 124-Triclbenzene
23.269	* not found *			1		(H) Hexaclbutadiene
23.379	* not found *			1		Naphthalene
23.780	* not found *			1		(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\072605\018R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 18
Sample Name	: 143099 x800	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 05:40 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 27 Jul 05 03:29 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

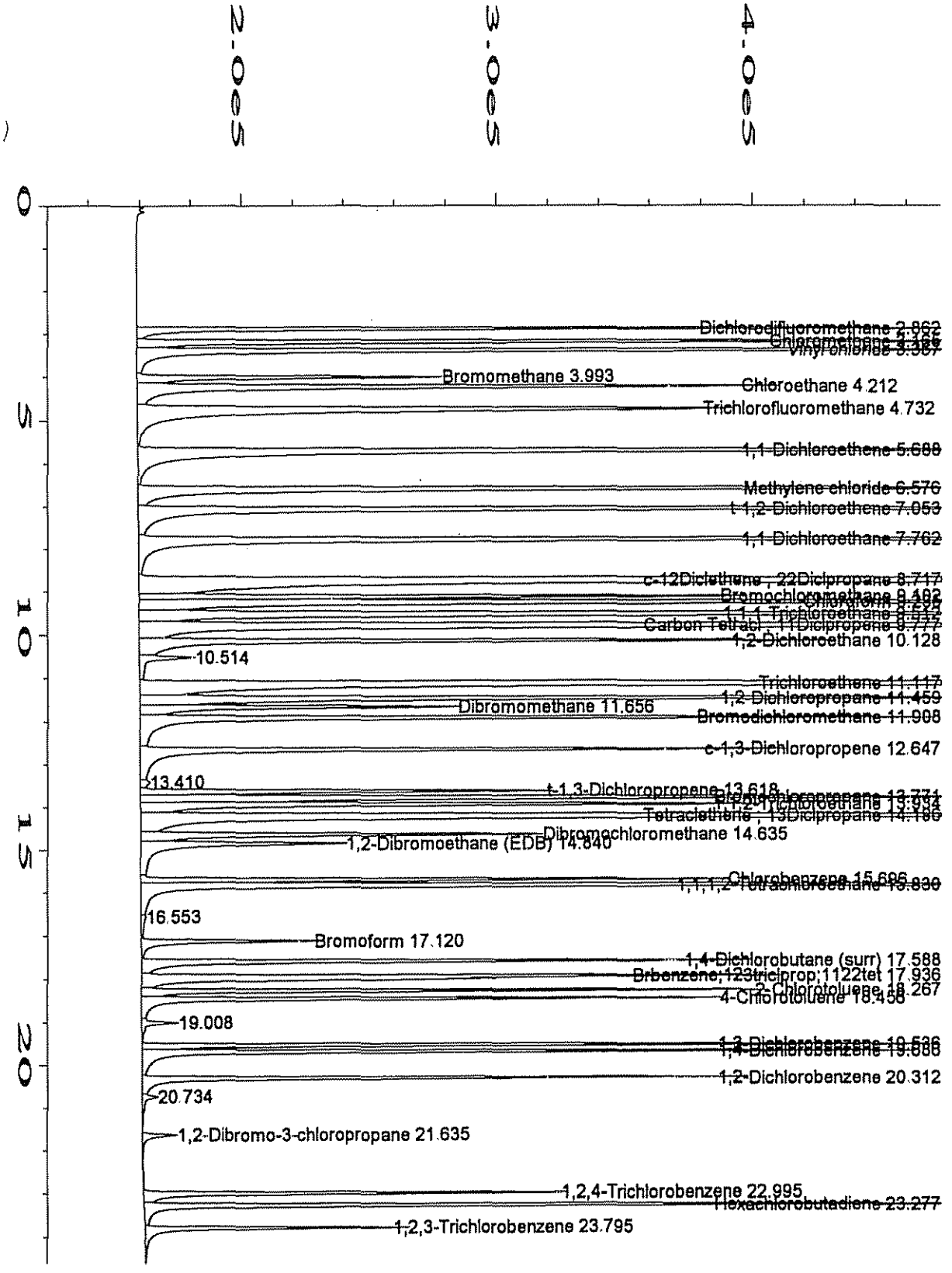
Internal Standard Report

ata File Name	: C:\HPCHEM\1\DATA\072605\019F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: GC3	Vial Number	: 19
ample Name	: 143099 x800 ms	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 26 Jul 05 06:11 PM	Instrument Method	: 8021_HAL.MTH
eport Created on	: 27 Jul 05 03:29 PM	Analysis Method	: 8021_HAL.MTH
ast Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	: 40

ig. 1 in C:\HPCHEM\1\DATA\072605\019F0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
2.862	1256338	BV	0.045	1	11.913	Dichlorodifluoromethane
3.165	1534137	VV	0.060	1	12.117	Chloromethane
3.367	1962753	VV	0.062	1	17.544	Vinyl chloride
3.993	565131	VV	0.069	1	10.713	Bromomethane
4.212	1418068	VV	0.079	1	12.112	Chloroethane
4.732	1885569	VV	0.104	1	12.239	Trichlorofluoromethane
5.688	2572934	VV	0.083	1	14.004	1,1-Dichloroethene
6.576	2117818	VV	0.080	1	11.536	Methylene chloride
7.053	2589614	VV	0.068	1	13.613	t-1,2-Dichloroethene
7.762	2490462	VV	0.080	1	12.659	1,1-Dichloroethane
8.717	9773296	VV	0.075	1	65.513	c-12Diclethene ; 22Diclpropane
9.102	1045754	VV	0.064	1	11.398	Bromochloromethane
9.235	2864753	VV	0.071	1	12.400	Chloroform
9.512	2907822	VV	0.071	1	13.336	1,1,1-Trichloroethane
9.777	4889322	VV	0.074	1	27.277	Carbon Tetracl ; 11Diclpropene
10.128	1353199	VV	0.073	1	10.782	1,2-Dichloroethane
11.117	7052740	VV	0.066	1	36.221	Trichloroethene
11.459	1884783	VV	0.074	1	12.279	1,2-Dichloropropane
11.656	639789	VV	0.072	1	10.809	Dibromomethane
11.908	1556323	VV	0.075	1	11.313	Bromodichloromethane
12.647	1293451	VV	0.075	1	10.835	c-1,3-Dichloropropene
13.618	690794	VV	0.064	1	9.251	t-1,3-Dichloropropene
13.771	1845479	VV	0.070	1-I	40.000	Bromochloropropane
13.934	1222813	VV	0.071	1	9.983	1,1,2-Trichloroethane
14.196	3797895	VV	0.079	1	25.021	Tetraclethene ; 13Diclpropane
14.635	763198	VV	0.071	1	9.993	Dibromochloromethane
14.840	592937	VV	0.097	1	10.328	1,2-Dibromoethane (EDB)
15.696	873321	VV	0.058	1	11.501	Chlorobenzene
15.830	2251477	VV	0.069	1	11.564	1,1,1,2-Tetrachloroethane
17.120	331985	VV	0.071	1	9.144	Bromoform
17.588	1008769	VV	0.065	1	85.951	1,4-Dichlorobutane (surr)
17.936	1465374	VV	0.079	1	29.145	Brbenzene;123triclprop;1122tet
18.267	914322	VV	0.055	1	11.914	2-Chlorotoluene
18.456	911014	VV	0.060	1	11.838	4-Chlorotoluene
19.536	1092888	VV	0.055	1	11.154	1,3-Dichlorobenzene
19.686	1182250	VV	0.057	1	11.016	1,4-Dichlorobenzene
20.312	912057	VV	0.059	1	10.502	1,2-Dichlorobenzene
21.635	83069	VV	0.079	1	8.709	1,2-Dibromo-3-chloropropane
22.995	639773	PV	0.059	1	9.478	1,2,4-Trichlorobenzene
23.277	1386663	VV	0.062	1	12.423	Hexachlorobutadiene
23.795	435161	VBA	0.061	1	8.364	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\072605\019F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 19
Sample Name	: 143099 x800 ms	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 06:11 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	27 Jul 05 03:29 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

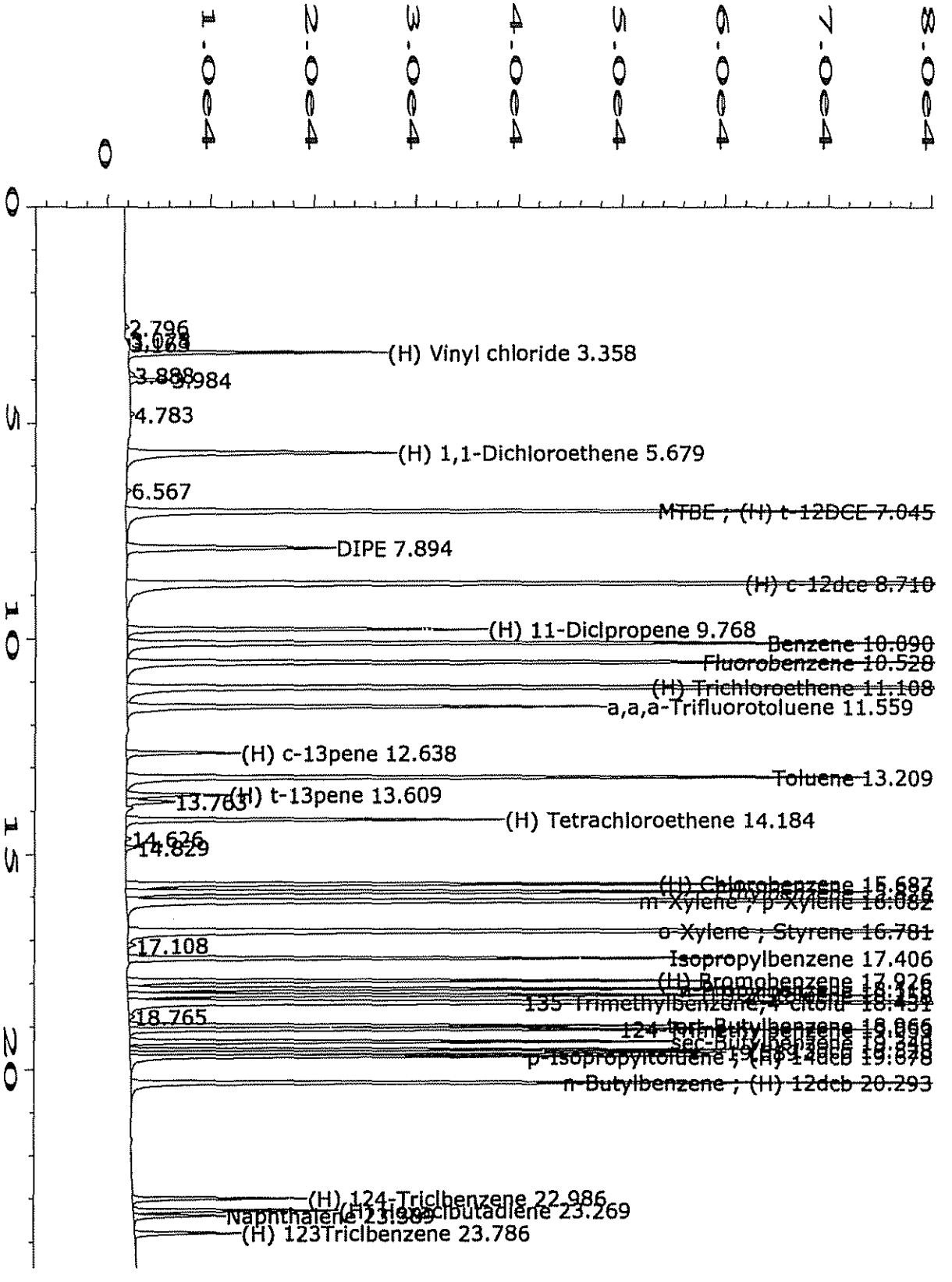
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\072605\019R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 19
Sample Name	: 143099 x800 ms	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 06:11 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	27 Jul 05 03:29 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\072605\019R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.358	88162	BB	0.053	1	15.436	(H) Vinyl chloride
5.679	149242	BB	0.084	1	11.776	(H) 1,1-Dichloroethene
7.045	373908	BV	0.066	1	21.369	MTBE ; (H) t-12DCE
7.894	115024	VB	0.089	1	9.253	DIPE
8.710	697490	BB	0.064	1	49.522	(H) c-12dce
9.768	143256	BV	0.063	1	10.885	(H) 11-Diclpropene
10.090	327180	VV	0.064	1	10.413	Benzene
10.528	367058	VV	0.064	1-I	40.000	Fluorobenzene
11.108	601679	PV	0.060	1	33.515	(H) Trichloroethene
11.559	211797	VB	0.069	1	111.131	a,a,a-Trifluorotoluene
12.638	45823	BB	0.063	1	8.526	(H) c-13pene
13.209	304057	BV	0.065	1	10.459	Toluene
13.609	41403	VV	0.063	1	7.818	(H) t-13pene
14.184	149684	VB	0.063	1	10.781	(H) Tetrachloroethene
15.687	261642	BV	0.059	1	9.629	(H) Chlorobenzene
15.876	276862	VV	0.059	1	10.677	Ethylbenzene
16.082	633754	VB	0.061	1	21.484	m-Xylene ; p-Xylene
16.781	475417	BV	0.073	1	19.837	o-Xylene ; Styrene
17.406	216851	BV	0.058	1	10.881	Isopropylbenzene
17.926	206633	BV	0.056	1	8.865	(H) Bromobenzene
18.115	239450	VV	0.053	1	10.806	n-Propylbenzene
18.258	250002	VV	0.051	1	10.243	(H) 2Cltoluene
18.431	588936	VV	0.063	1	20.848	135-Trimethylbenzene;4-cltolu
18.966	187874	VV	0.056	1	10.969	tert-Butylbenzene
19.053	249412	VV	0.052	1	10.141	124-Trimethylbenzene
19.340	189974	VV	0.057	1	10.849	sec-Butylbenzene
19.528	189904	VV	0.047	1	8.975	(H) 13dcb
19.678	195966	VB	0.052	1	18.036	p-Isopropyltoluene ; (H) 14dcb
20.293	292939	BB	0.059	1	19.257	n-Butylbenzene ; (H) 12dcb
22.986	57540	BV	0.052	1	7.878	(H) 124-Triclbenzene
23.269	68885	VV	0.054	1	10.562	(H) Hexaclbutadiene
23.389	32323	VB	0.054	1	6.531	Naphthalene
23.786	35955	BV	0.053	1	6.926	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\072605\019R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 19
Sample Name	: 143099 x800 ms	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 06:11 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	27 Jul 05 03:29 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

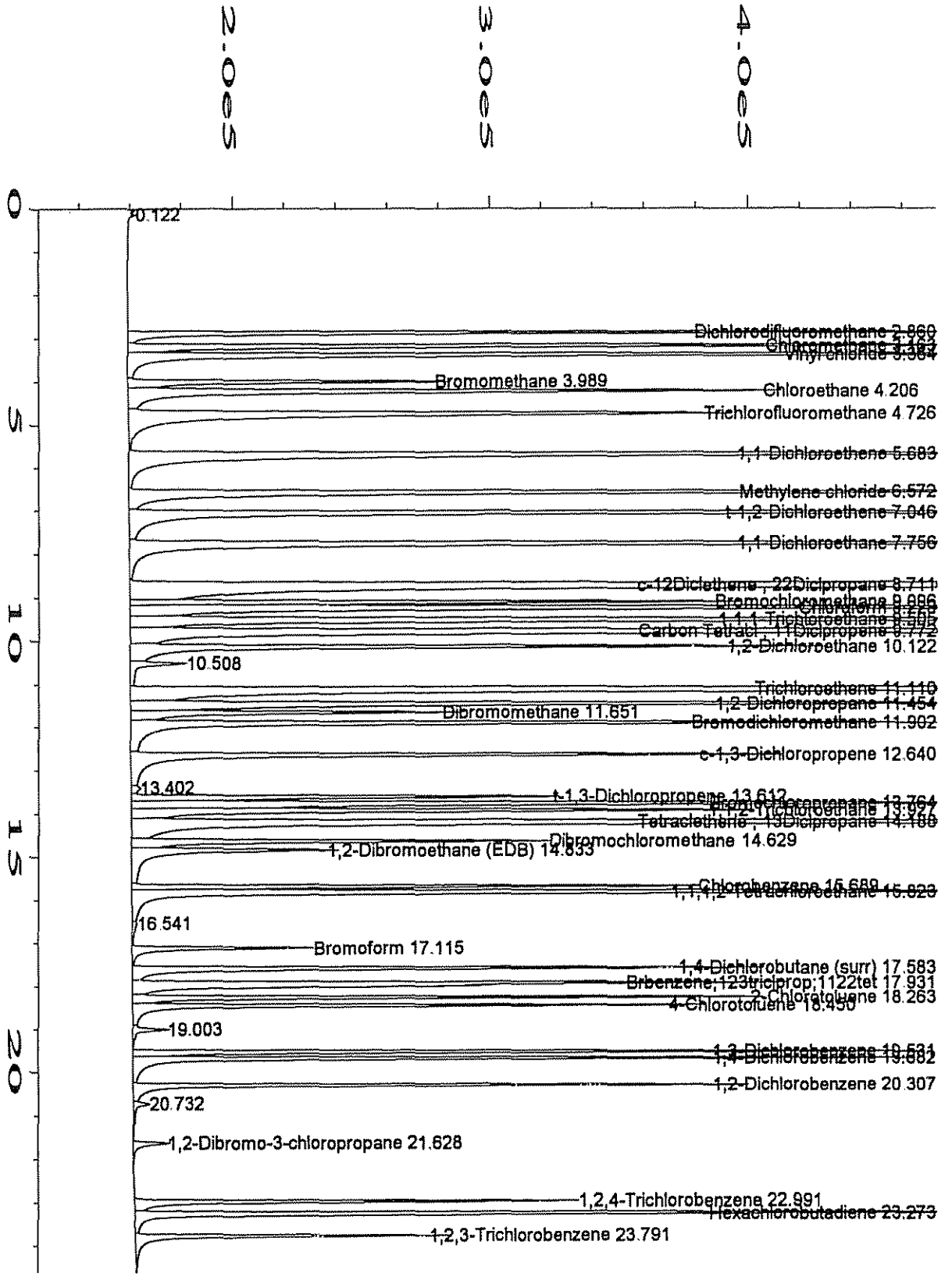
ata File Name : C:\HPCHEM\1\DATA\072605\020F0101.D
perator : MJC
nstrument : GC3
ample Name : 143099 x800 msd
un Time Bar Code:
cquired on : 26 Jul 05 06:42 PM
eport Created on: 27 Jul 05 03:29 PM
ast Recalib on : 20 JUL 05 09:04 AM
ultiplier : 1

Page Number : 1
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

ig. 1 in C:\HPCHEM\1\DATA\072605\020F0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
2.860	1277881	BV	0.048	1	11.831	Dichlorodifluoromethane
3.163	1528945	VV	0.058	1	11.774	Chloromethane
3.364	2032448	VV	0.062	1	17.759	Vinyl chloride
3.989	595197	VV	0.068	1	11.027	Bromomethane
4.206	1451264	VV	0.082	1	12.108	Chloroethane
4.726	1883830	VV	0.102	1	11.926	Trichlorofluoromethane
5.683	2555199	VV	0.086	1	13.563	1,1-Dichloroethene
6.572	2104244	VV	0.078	1	11.173	Methylene chloride
7.046	2566582	VV	0.072	1	13.152	t-1,2-Dichloroethene
7.756	2491013	VV	0.078	1	12.350	1,1-Dichloroethane
8.711	9951589	VV	0.071	1	65.149	c-12Diclethene ; 22Diclpropane
9.096	1028148	VV	0.064	1	10.929	Bromochloromethane
9.229	2858743	VV	0.071	1	12.062	Chloroform
9.505	2925702	VV	0.080	1	13.091	1,1,1-Trichloroethane
9.772	4917136	VV	0.072	1	26.756	Carbon Tetracl ; 11Diclpropene
10.122	1338788	VV	0.074	1	10.391	1,2-Dichloroethane
11.110	7085449	VV	0.067	1	35.530	Trichloroethene
11.454	1891816	VV	0.075	1	12.016	1,2-Dichloropropane
11.651	649616	VV	0.074	1	10.718	Dibromomethane
11.902	1573241	VV	0.072	1	11.163	Bromodichloromethane
12.640	1301532	VV	0.073	1	10.641	c-1,3-Dichloropropene
13.612	701134	VV	0.061	1	9.174	t-1,3-Dichloropropene
13.764	1889324	VV	0.070	1-I	40.000	Bromochloropropane
13.927	1220754	VV	0.071	1	9.681	1,1,2-Trichloroethane
14.188	3788710	VV	0.080	1	24.318	Tetraclethene ; 13Diclpropane
14.629	778462	VV	0.067	1	9.955	Dibromochloromethane
14.833	583071	VV	0.102	1	9.891	1,2-Dibromoethane (EDB)
15.689	864614	VV	0.060	1	11.113	Chlorobenzene
15.823	2229127	VV	0.068	1	11.150	1,1,1,2-Tetrachloroethane
17.115	329994	VV	0.065	1	8.882	Bromoform
17.583	1038746	VV	0.066	1	86.451	1,4-Dichlorobutane (surr)
17.931	1474303	VV	0.083	1	28.594	Brbenzene;123triclprop;1122tet
18.263	917171	VV	0.057	1	11.657	2-Chlorotoluene
18.450	904951	VV	0.063	1	11.458	4-Chlorotoluene
19.531	1089154	VV	0.057	1	10.845	1,3-Dichlorobenzene
19.682	1188860	VV	0.058	1	10.805	1,4-Dichlorobenzene
20.307	915448	VV	0.061	1	10.283	1,2-Dichlorobenzene
21.628	83799	BV	0.079	1	8.584	1,2-Dibromo-3-chloropropane
22.991	663803	PV	0.060	1	9.609	1,2,4-Trichlorobenzene
23.273	1406054	VV	0.061	1	12.295	Hexachlorobutadiene
23.791	505540	VBA	0.060	1	9.574	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\072605\020F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 20
Sample Name	: 143099 x800 msd	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 06:42 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 27 Jul 05 03:29 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

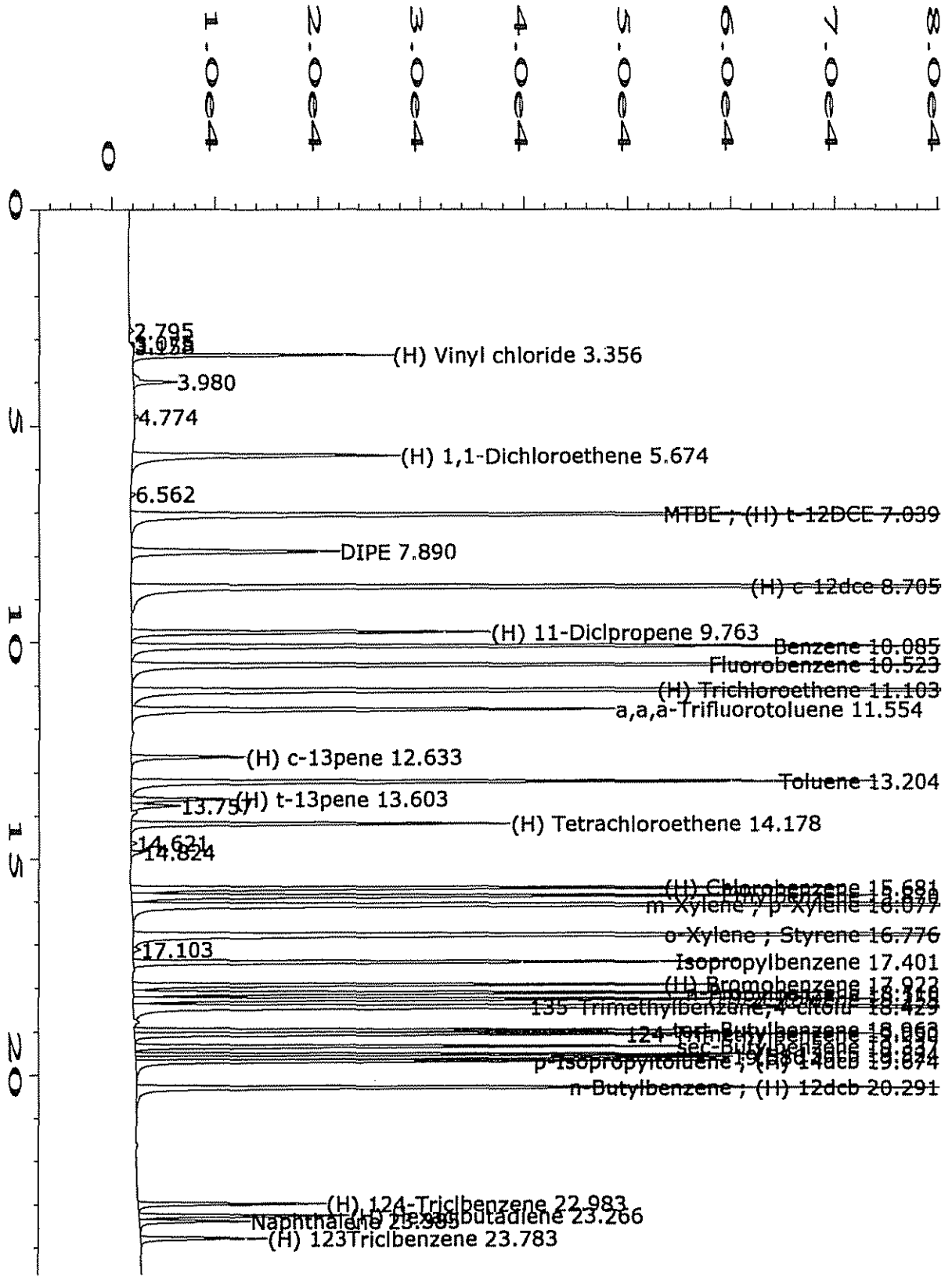
ata File Name : C:\HPCHEM\1\DATA\072605\020R0101.D
perator : MJC
nstrument : GC3
ample Name : 143099 x800 msd
un Time Bar Code:
cquired on : 26 Jul 05 06:42 PM
eport Created on: 27 Jul 05 03:29 PM
ast Recalib on : 20 JUL 05 08:33 AM
ultiplier : 1

Page Number : 1
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

ig. 2 in C:\HPCHEM\1\DATA\072605\020R0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
3.356	89697	BB	0.053	1	15.483	(H) Vinyl chloride
5.674	149815	BB	0.085	1	11.651	(H) 1,1-Dichloroethene
7.039	374537	BB	0.066	1	21.098	MTBE ; (H) t-12DCE
7.890	114706	BV	0.089	1	9.097	DIPE
8.705	711124	BB	0.063	1	49.771	(H) c-12dce
9.763	144203	VV	0.064	1	10.800	(H) 11-Diclpropene
10.085	329332	VV	0.064	1	10.331	Benzene
10.523	372367	VV	0.064	1-I	40.000	Fluorobenzene
11.103	608675	PV	0.060	1	33.421	(H) Trichloroethene
11.554	214121	VB	0.070	1	110.749	a,a,a-Trifluorotoluene
12.633	45933	BB	0.063	1	8.426	(H) c-13pene
13.204	305608	BV	0.065	1	10.361	Toluene
13.603	41645	VV	0.063	1	7.757	(H) t-13pene
14.178	150536	VB	0.064	1	10.687	(H) Tetrachloroethene
15.681	262647	BV	0.058	1	9.528	(H) Chlorobenzene
15.870	277802	VV	0.059	1	10.558	Ethylbenzene
16.077	633740	VB	0.061	1	21.169	m-Xylene ; p-Xylene
16.776	477309	BV	0.073	1	19.629	o-Xylene ; Styrene
17.401	217193	BV	0.058	1	10.741	Isopropylbenzene
17.922	207568	BV	0.053	1	8.777	(H) Bromobenzene
18.110	239891	VV	0.054	1	10.669	n-Propylbenzene
18.255	250667	VV	0.053	1	10.120	(H) 2Cltoluene
18.429	589639	VV	0.063	1	20.567	135-Trimethylbenzene;4-cltolu
18.963	187891	VV	0.056	1	10.810	tert-Butylbenzene
19.050	249447	VV	0.053	1	9.996	124-Trimethylbenzene
19.337	189449	VV	0.056	1	10.661	sec-Butylbenzene
19.524	190596	VV	0.048	1	8.881	(H) 13dcb
19.674	197043	VB	0.052	1	17.874	p-Isopropyltoluene ; (H) 14dcb
20.291	295289	BB	0.058	1	19.133	n-Butylbenzene ; (H) 12dcb
22.983	61206	BV	0.051	1	8.254	(H) 124-Triclbenzene
23.266	70857	VV	0.055	1	10.717	(H) Hexaclbutadiene
23.385	37618	VB	0.053	1	7.412	Naphthalene
23.783	42103	BV	0.052	1	7.977	(H) 123Triclbenzene

:alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\072605\020R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 20
Sample Name	: 143099 x800 msd	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 06:42 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 27 Jul 05 03:29 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

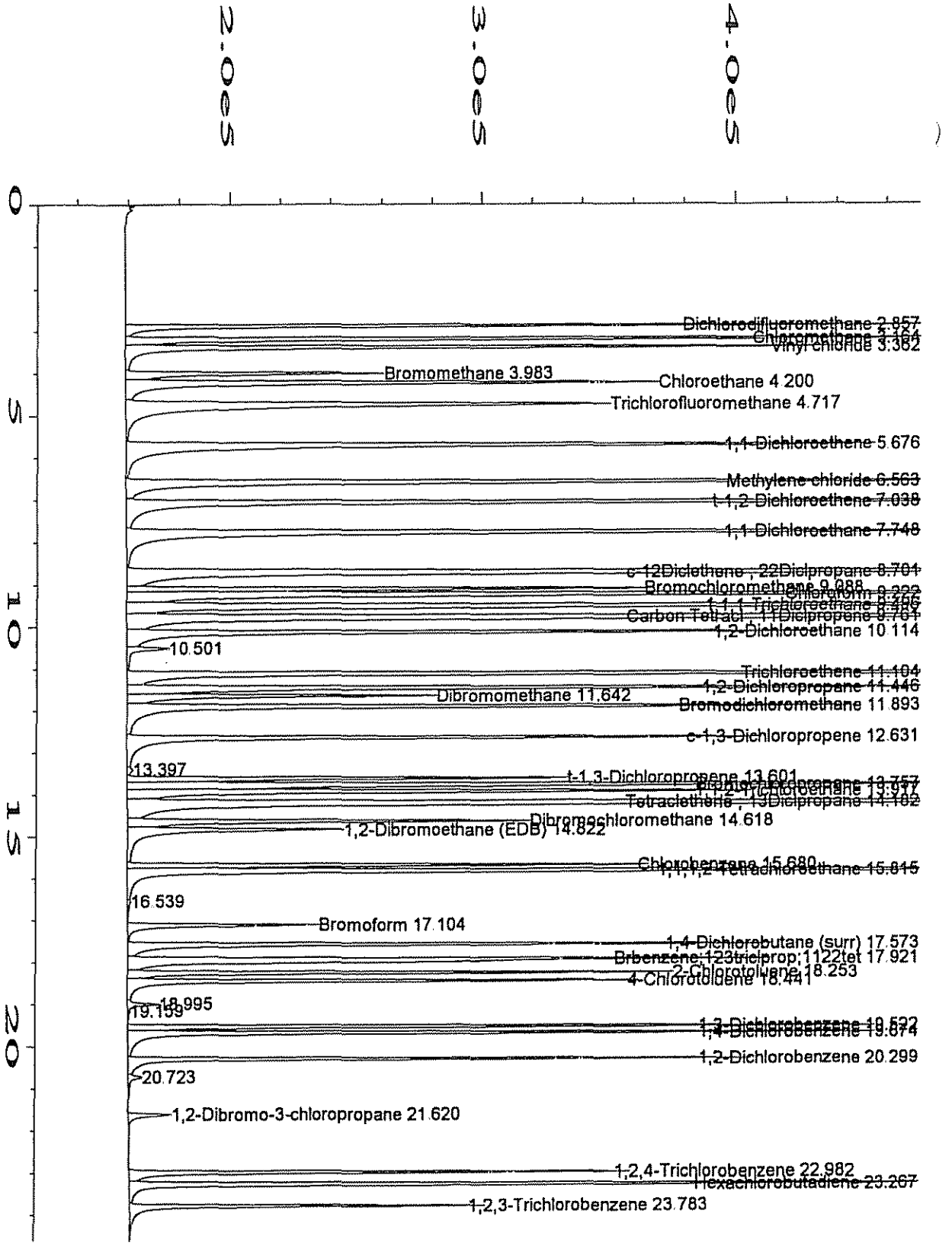
Data File Name : C:\HPCHEM\1\DATA\072605\004F0101.D
Operator : MJC
Instrument : GC3
Sample Name : lcs3072605a
Run Time Bar Code:
Acquired on : 26 Jul 05 10:25 AM
Report Created on: 26 Jul 05 10:50 AM
Last Recalib on : 20 JUL 05 09:04 AM
Multiplier : 1

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 1 in C:\HPCHEM\1\DATA\072605\004F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.857	1047681	BV	0.047	1	10.067	Dichlorodifluoromethane
3.164	1289406	VV	0.057	1	10.324	Chloromethane
3.362	1158500	VV	0.059	1	10.167	Vinyl chloride
3.983	471617	VV	0.069	1	9.134	Bromomethane
4.200	1160457	VV	0.080	1	10.038	Chloroethane
4.717	1530494	VV	0.108	1	10.058	Trichlorofluoromethane
5.676	1929092	VV	0.095	1	10.595	1,1-Dichloroethene
6.563	1914452	VV	0.076	1	10.633	Methylene chloride
7.038	2041781	VV	0.071	1	10.843	t-1,2-Dichloroethene
7.748	2093237	VV	0.084	1	10.797	1,1-Dichloroethane
8.701	3331705	VV	0.079	1	21.618	c-12Diclethene ; 22Diclpropane
9.088	894504	VV	0.067	1	9.941	Bromochloromethane
9.222	2447563	VV	0.071	1	10.739	Chloroform
9.496	2359569	VV	0.079	1	10.937	1,1,1-Trichloroethane
9.761	3987088	VV	0.075	1	22.440	Carbon Tetracl ; 11Diclpropene
10.114	1292365	VV	0.071	1	10.538	1,2-Dichloroethane
11.104	2230570	VV	0.065	1	11.216	Trichloroethene
11.446	1629314	VV	0.068	1	10.748	1,2-Dichloropropane
11.642	589026	VV	0.071	1	10.186	Dibromomethane
11.893	1414274	VV	0.073	1	10.498	Bromodichloromethane
12.631	1216454	VV	0.072	1	10.429	c-1,3-Dichloropropene
13.601	710188	VV	0.061	1	9.735	t-1,3-Dichloropropene
13.757	1800244	VV	0.074	1-I	40.000	Bromochloropropane
13.917	1208621	VV	0.073	1	10.144	1,1,2-Trichloroethane
14.182	3308801	VV	0.079	1	22.085	Tetraclethene ; 13Diclpropane
14.618	761229	VV	0.071	1	10.231	Dibromochloromethane
14.822	564874	VV	0.089	1	10.069	1,2-Dibromoethane (EDB)
15.680	792349	VV	0.060	1	10.677	Chlorobenzene
15.815	2098343	VV	0.070	1	11.002	1,1,1,2-Tetrachloroethane
17.104	342113	BV	0.066	1	9.654	Bromoform
17.573	1063706	VV	0.063	1	92.909	1,4-Dichlorobutane (surr)
17.921	1505986	VV	0.082	1	30.855	Brbenzene;123triclprop;1122tet
18.253	819961	VV	0.058	1	10.886	2-Chlorotoluene
18.441	831464	VV	0.062	1	11.014	4-Chlorotoluene
19.522	1039611	PV	0.057	1	10.864	1,3-Dichlorobenzene
19.674	1148173	VV	0.062	1	10.964	1,4-Dichlorobenzene
20.299	912325	VV	0.056	1	10.786	1,2-Dichlorobenzene
21.620	85868	BV	0.072	1	9.218	1,2-Dibromo-3-chloropropane
22.982	734984	BV	0.057	1	11.213	1,2,4-Trichlorobenzene
23.267	1293231	VV	0.062	1	11.833	Hexachlorobutadiene
23.783	561936	VBA	0.063	1	11.271	1,2,3-Trichlorobenzene

:alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\072605\004F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 4
Sample Name	: lcs3072605a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 10:25 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Jul 05 10:50 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

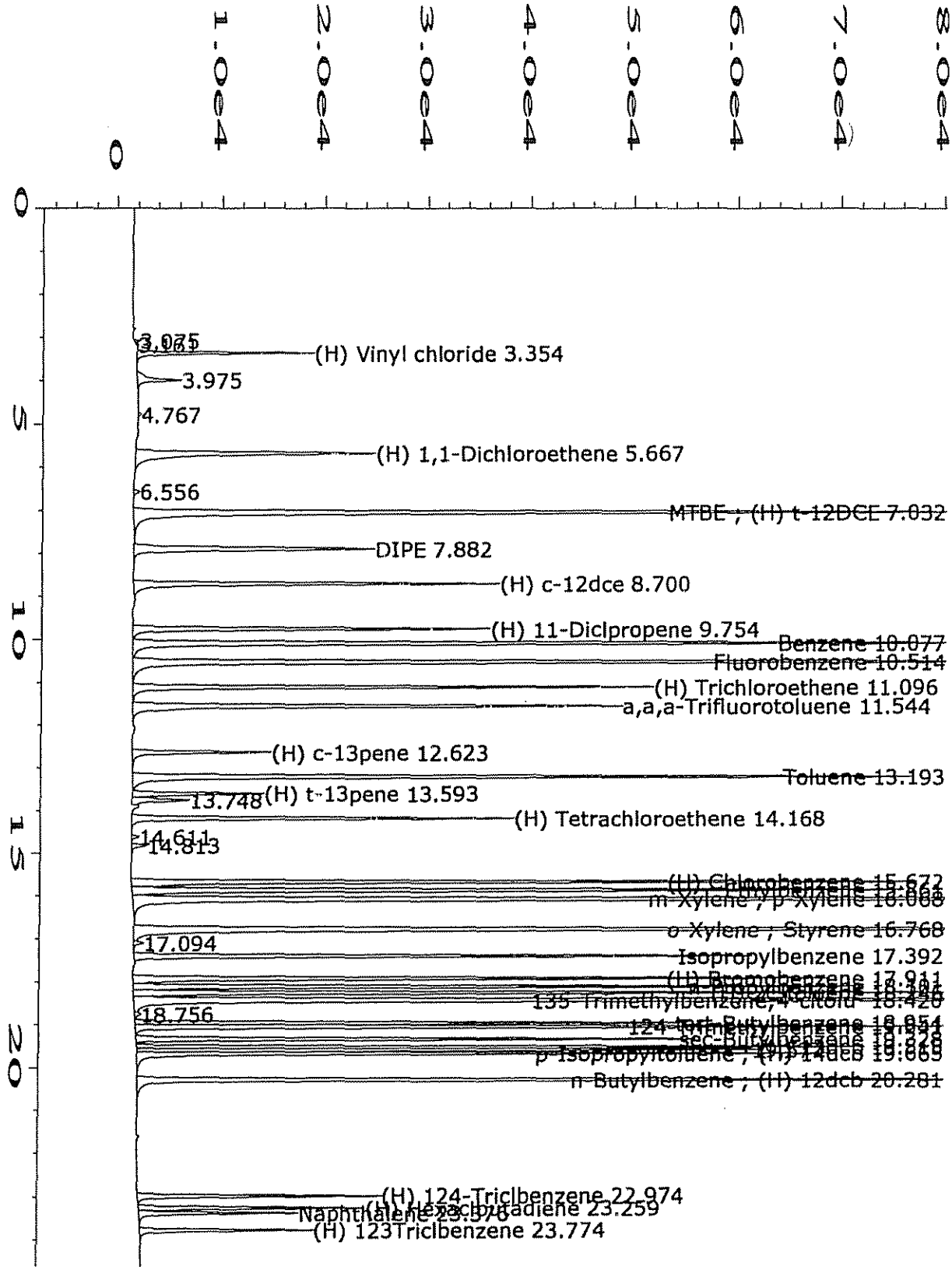
Data File Name : C:\HPCHEM\1\DATA\072605\004R0101.D
Operator : MJC)
Instrument : GC3
Sample Name : lcs3072605a
Run Time Bar Code:
Acquired on : 26 Jul 05 10:25 AM
Report Created on: 26 Jul 05 10:50 AM
Last Recalib on : 20 JUL 05 08:33 AM
Multiplier : 1

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 2 in C:\HPCHEM\1\DATA\072605\004R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.354	56839	BB	0.050	1	9.176	(H) Vinyl chloride
5.667	134534	BB	0.085	1	10.089	(H) 1,1-Dichloroethene
7.032	374532	BB	0.067	1	20.397	MTBE ; (H) t-12DCE
7.882	129483	BB	0.086	1	9.926	DIPE
8.700	147678	BV	0.061	1	9.954	(H) c-12dce
9.754	141657	BV	0.062	1	10.254	(H) 11-Diclpropene
10.077	338968	VV	0.062	1	10.283	Benzene
10.514	385031	VV	0.062	1-I	40.000	Fluorobenzene
11.096	195956	VV	0.059	1	10.312	(H) Trichloroethene
11.544	214036	VB	0.069	1	107.063	a,a,a-Trifluorotoluene
12.623	55076	BB	0.063	1	9.751	(H) c-13pene
13.193	314329	BV	0.064	1	10.306	Toluene
13.593	52080	VV	0.062	1	9.255	(H) t-13pene
14.168	150819	VB	0.064	1	10.351	(H) Tetrachloroethene
15.672	287461	BV	0.058	1	10.086	(H) Chlorobenzene
15.861	283667	VV	0.059	1	10.424	Ethylbenzene
16.068	655617	VB	0.060	1	21.180	m-Xylene ; p-Xylene
16.768	523922	BV	0.072	1	20.854	o-Xylene ; Styrene
17.392	219850	PV	0.058	1	10.511	Isopropylbenzene
17.911	242963	BV	0.054	1	9.941	(H) Bromobenzene
18.101	246339	VV	0.054	1	10.594	n-Propylbenzene
18.246	268577	VV	0.052	1	10.497	(H) 2Cltoluene
18.420	629123	VV	0.065	1	21.242	135-Trimethylbenzene;4-cltolu
18.954	190093	VV	0.055	1	10.570	tert-Butylbenzene
19.041	268717	VV	0.052	1	10.421	124-Trimethylbenzene
19.328	194165	VV	0.056	1	10.565	sec-Butylbenzene
19.515	222927	VV	0.048	1	10.026	(H) 13dcb
19.665	230095	VV	0.052	1	20.223	p-Isopropyltoluene ; (H) 14dcb
20.281	329867	BB	0.058	1	20.691	n-Butylbenzene ; (H) 12dcb
22.974	78852	BV	0.051	1	10.253	(H) 124-Triclbenzene
23.259	75902	VV	0.054	1	11.121	(H) Hexaclbutadiene
23.376	53444	VB	0.052	1	9.980	Naphthalene
23.774	57075	BV	0.052	1	10.424	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\072605\004R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 4
Sample Name	: lcs3072605a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 10:25 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	26 Jul 05 10:50 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

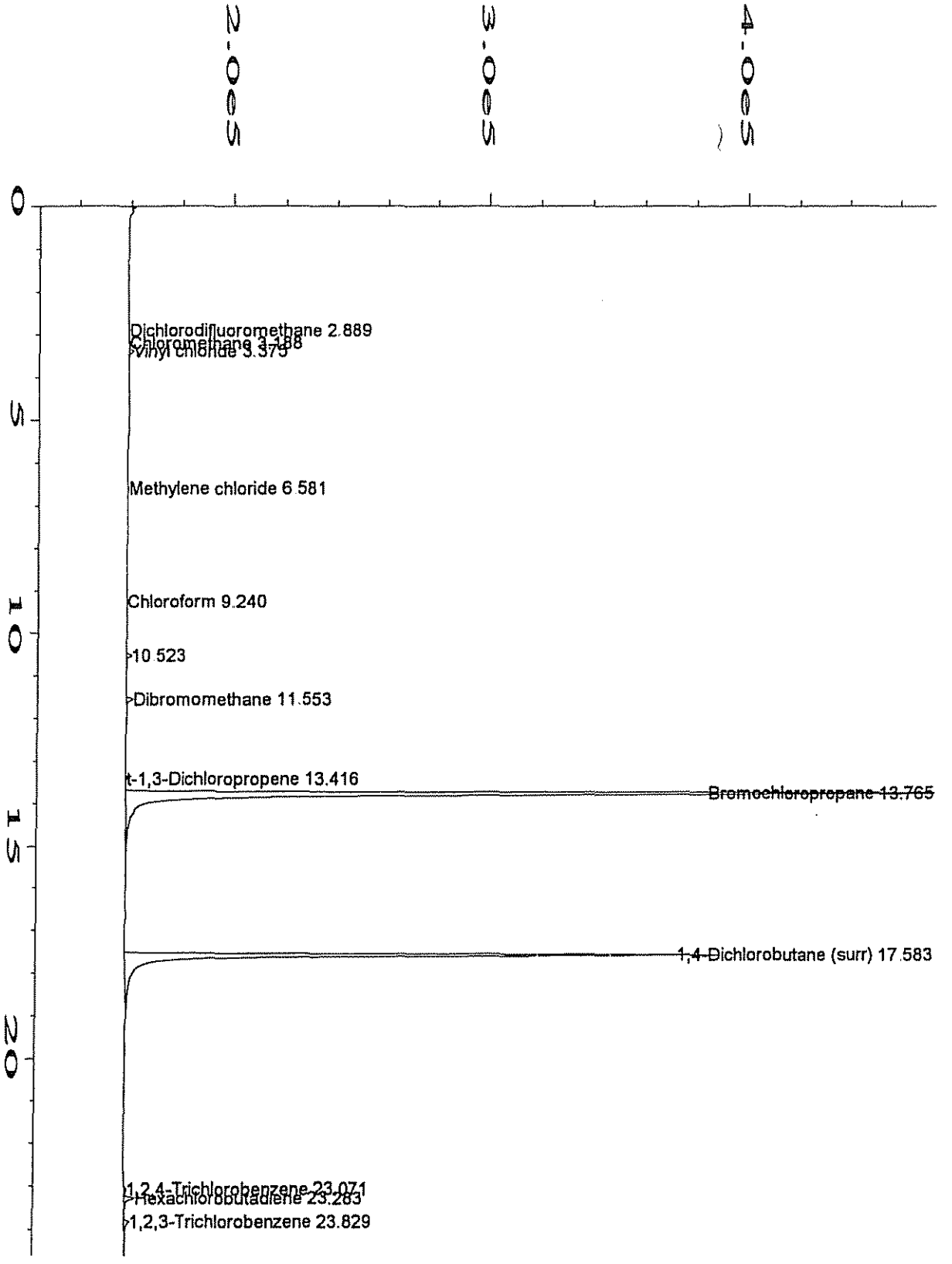
Data File Name : C:\HPCHEM\1\DATA\072605\006F0101.D
Operator : MJC
Instrument : GC3
Sample Name : vblk3072605a
Run Time Bar Code:
Acquired on : 26 Jul 05 11:27 AM
Report Created on: 26 Jul 05 11:52 AM
Last Recalib on : 20 JUL 05 09:04 AM
Multiplier : 1

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 1 in C:\HPCHEM\1\DATA\072605\006F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.889	1514	BB	0.057	1	-0.792	Dichlorodifluoromethane
3.188	2710	BV	0.089	1	-0.813	Chloromethane
3.375	10059	VB	0.077	1	-1.041	Vinyl chloride
3.977	* not found *			1		Bromomethane
4.192	* not found *			1		Chloroethane
4.718	* not found *			1		Trichlorofluoromethane
5.683	* not found *			1		1,1-Dichloroethene
6.581	2287	BB	0.067	1	-0.774	Methylene chloride
7.045	* not found *			1		t-1,2-Dichloroethene
7.759	* not found *			1		1,1-Dichloroethane
8.710	* not found *			1		c-12Diclethene ; 22Diclpropane
9.095	* not found *			1		Bromochloromethane
9.240	1238	BB	0.063	1	-0.978	Chloroform
9.505	* not found *			1		1,1,1-Trichloroethane
9.771	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.120	* not found *			1		1,2-Dichloroethane
11.112	* not found *			1		Trichloroethene
11.454	* not found *			1		1,2-Dichloropropane
11.553	13769	BB	0.076	1	-0.0389	Dibromomethane
11.900	* not found *			1		Bromodichloromethane
12.636	* not found *			1		c-1,3-Dichloropropene
13.416	1768	BB	0.058	1	0.290	t-1,3-Dichloropropene
13.765	1853429	BB	0.080	1-I	40.000	Bromochloropropane
13.925	* not found *			1		1,1,2-Trichloroethane
14.193	* not found *			1		Tetraclethene ; 13Diclpropane
14.624	* not found *			1		Dibromochloromethane
14.824	* not found *			1		1,2-Dibromoethane (EDB)
15.686	* not found *			1		Chlorobenzene
15.824	* not found *			1		1,1,1,2-Tetrachloroethane
17.109	* not found *			1		Bromoform
17.583	1129773	BV	0.071	1	95.848	1,4-Dichlorobutane (surr)
17.927	* not found *			1		Brbenzene;123triclprop;1122tet
18.262	* not found *			1		2-Chlorotoluene
18.448	* not found *			1		4-Chlorotoluene
19.529	* not found *			1		1,3-Dichlorobenzene
19.679	* not found *			1		1,4-Dichlorobenzene
20.305	* not found *			1		1,2-Dichlorobenzene
21.616	* not found *			1		1,2-Dibromo-3-chloropropane
23.071	4884	BV	0.083	1	-0.216	1,2,4-Trichlorobenzene
23.283	21925	VB	0.070	1	-0.795	Hexachlorobutadiene
23.829	16013	BB	0.098	1	-0.287	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\072605\006F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 6
Sample Name	: vblk3072605a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 11:27 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Jul 05 11:52 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 20 JUL 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

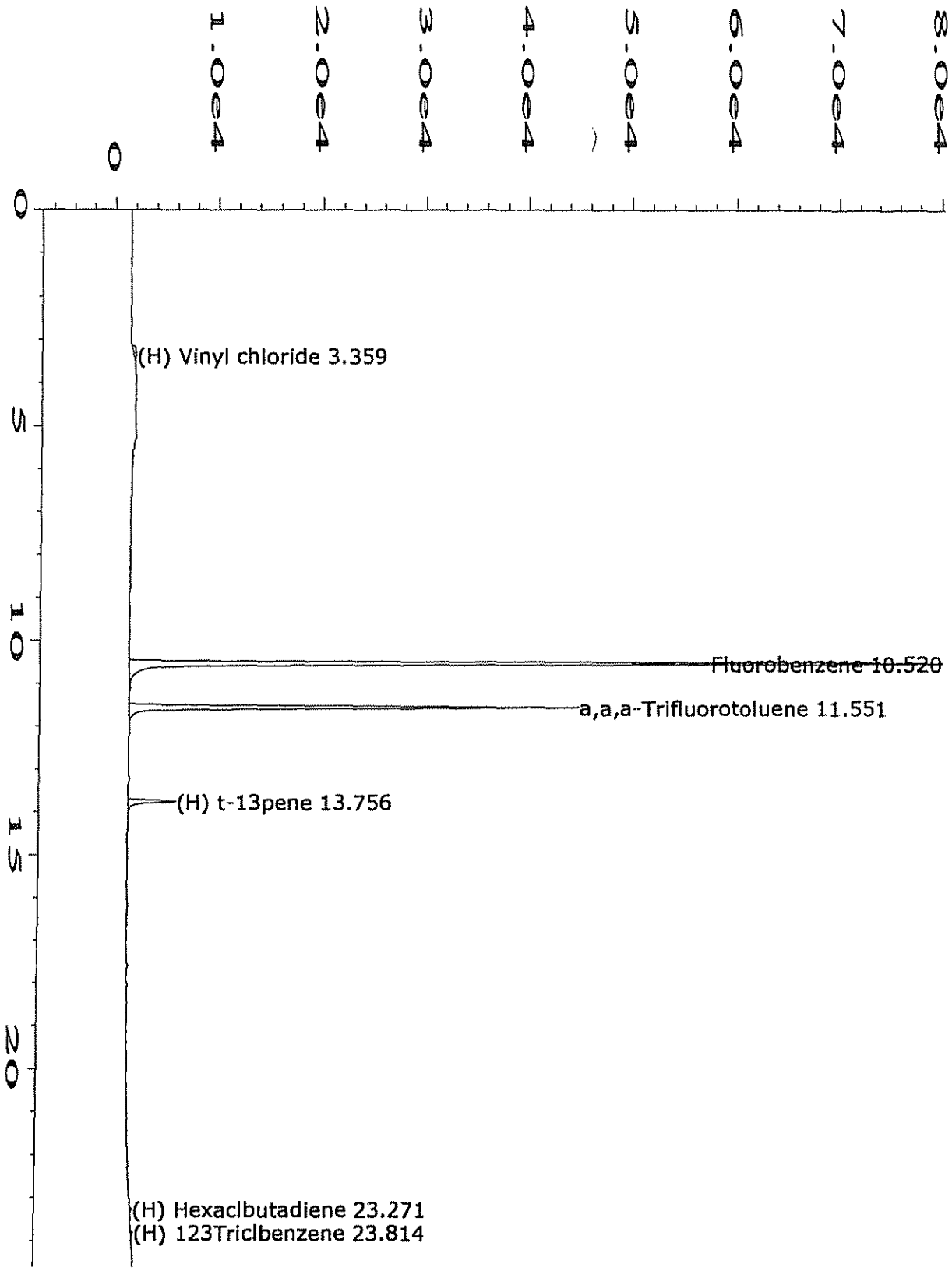
Data File Name	: C:\HPCHEM\1\DATA\072605\006R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 6
Sample Name	: vblk3072605a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 11:27 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	26 Jul 05 11:52 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\072605\006R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.359	4126	BB	0.182	1	-0.0265	(H) Vinyl chloride
5.672	* not found *			1		(H) 1,1-Dichloroethene
7.039	* not found *			1		MTBE ; (H) t-12DCE
7.894	* not found *			1		DIPE
8.707	* not found *			1		(H) c-12dce
9.762	* not found *			1		(H) 11-Diclpropene
10.085	* not found *			1		Benzene
10.520	357565	BV	0.063	1-I	40.000	Fluorobenzene
11.104	* not found *			1		(H) Trichloroethene
11.551	189955	BV	0.067	1	102.316	a,a,a-Trifluorotoluene
12.627	* not found *			1		(H) c-13pene
13.202	* not found *			1		Toluene
13.756	22106	BB	0.071	1	4.559	(H) t-13pene
14.177	* not found *			1		(H) Tetrachloroethene
15.678	* not found *			1		(H) Chlorobenzene
15.870	* not found *			1		Ethylbenzene
16.077	* not found *			1		m-Xylene ; p-Xylene
16.777	* not found *			1		o-Xylene ; Styrene
17.401	* not found *			1		Isopropylbenzene
17.917	* not found *			1		(H) Bromobenzene
18.111	* not found *			1		n-Propylbenzene
18.255	* not found *			1		(H) 2Cltoluene
18.428	* not found *			1		135-Trimethylbenzene;4-cltolu
18.965	* not found *			1		tert-Butylbenzene
19.051	* not found *			1		124-Trimethylbenzene
19.338	* not found *			1		sec-Butylbenzene
19.523	* not found *			1		(H) 13dcb
19.673	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.290	* not found *			1		n-Butylbenzene ; (H) 12dcb
22.979	* not found *			1		(H) 124-Triclbenzene
23.271	994	BB	0.051	1	-0.360	(H) Hexaclbutadiene
23.379	* not found *			1		Naphthalene
23.814	1105	BB	0.061	1	0.325	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\072605\006R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 6
Sample Name	: vblk3072605a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 26 Jul 05 11:27 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Jul 05 11:52 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 20 JUL 05 08:33 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

601/602 Prep, Standard, Run Logs

	Refering Page	Description	Initial conc (ppm)	Ammt used(ul)	Final Vol. (ml)	Final Conc (ppm)
Water BASE Mix:	7A- 19	Restek 502.2 MEGA mix lot A033291	2000	100	10	20
	7B-126	MTBE/DIPE stock 7- 071205	2000	100	10	20
Soil BASE Mix:	7A- 19	Restek 502.2 MEGA mix lot A033291	2000	25	10	5
	7B-126	MTBE/DIPE stock 7- 071205	2000	25	10	5
	Solvent:	Methanol LOT# CN017				

Ampule opened: 7/12/05
Prep date: ↓
Expiration date: 8/12/05

PAL lot number:
8021WBC-7-
8021SBC-7- 071205

	Refering Page	Description	Initial conc. (ppm)	Ammt used(ul)	Final Vol. (ml)	Final Conc (ppm)
Water GAS Mix:	7A- 27	Restek gases A034238	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# CN017				

Ampule opened: 7/12/05
Prep date: ↓
Expiration date: 7/19/05

PAL lot number:
8021WGC-7-
8021SGC-7- 071205

	Refering Page	Description	Initial conc. (ppm)	Ammt used(ul)	Final Vol (ml)	Final Conc. (ppm)
Water GAS Mix:	7A- 27	Restek gases A034238	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# CN017				

Ampule opened: 7/19/05
Prep date: ↓
Expiration date: 7/26/05

PAL lot number:
8021WGC-7-
8021SGC-7- 071905

	Refering Page	Description	Initial conc (ppm)	Ammt used(ul)	Final Vol (ml)	Final Conc (ppm)
Water GAS Mix:	7A- 27	Restek gases A034238	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# CN637				

Ampule opened: 7/26/05
Prep date: ↓
Expiration date: 8/2/05

PAL lot number:
8021WGC-7-
8021SGC-7- 072605

	Refering Page	Description	Initial conc (ppm)	Ammt used(ul)	Final Vol (ml)	Final Conc (ppm)
Water GAS Mix:	7A-	Restek gases	2000	100	10	20
Soil GAS Mix:	7A-	Restek gases	2000	25	10	5
	Solvent:	Methanol LOT#				

Ampule opened:
Prep date:
Expiration date:

PAL lot number:
8021WGC-7-
8021SGC-7-

See reverse for any comments

page: C103

VO12.112202 1

	Refering Page	Description	Initial conc. (ppm)	Ammt. Used (ul)	Final Vol (ml)	Final Conc (ppm)
Water BASE Mix:	7A- 20	Restek 502.2 MEGA mix lot A033292	2000	100	10	20
	7B- 125	MTBE/DIPE stock 7- 071205	2000	100	10	20
Soil BASE Mix:	7A- 20	Restek 502.2 MEGA mix lot A033292	2000	25	10	5
	7B- 125	MTBE/DIPE stock 7- 071205	2000	25	10	5
	Solvent:	Methanol LOT# CN017				

Ampule opened: 07-12-05
Prep date: ↓
Expiration date: 08-12-05

PAL lot number:
8021WBQ-7- 071205
8021SBQ-7-

	Refering Page	Description	Initial conc (ppm)	Ammt Used (ul)	Final Vol (ml)	Final Conc (ppm)
Water GAS Mix:	7A- 28	Restek gases A036202	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# CN017				

Ampule opened: 7/12/05
Prep date: ↓
Expiration date: 7/19/05

PAL lot number:
8021WGQ-7-
8021SGQ-7- 071205

	Refering Page	Description	Initial conc (ppm)	Ammt Used (ul)	Final Vol (ml)	Final Conc (ppm)
Water GAS Mix:	7A- 28	Restek gases A036202	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# CN017				

Ampule opened: 7/19/05
Prep date: ↓
Expiration date: 7/26/05

PAL lot number:
8021WGQ-7-
8021SGQ-7- 071905

	Refering Page	Description	Initial conc (ppm)	Ammt Used (ul)	Final Vol. (ml)	Final Conc (ppm)
Water GAS Mix:	7A- 28	Restek gases A036202	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# CN037				

Ampule opened: 7/26/05
Prep date: ↓
Expiration date: 8/2/05

PAL lot number:
8021WGQ-7-
8021SGQ-7- 072605

	Refering Page	Description	Initial conc (ppm)	Ammt Used (ul)	Final Vol (ml)	Final Conc (ppm)
Water GAS Mix:	7A-	Restek gases	2000	100	10	20
Soil GAS Mix:	7A-	Restek gases	2000	25	10	5
	Solvent:	Methanol LOT#				

Ampule opened:
Prep date:
Expiration date:

PAL lot number:
8021WGQ-7-
8021SGQ-7-

See reverse for any comments

page: C64

VO14.112202 1

8021S/WBQ-7-071205-C64
8021S/SGQ-7-071905-C64

Paradigm Analytical
GC3

8021S/WBC-7-071205-C63
8021S/SGC-7-071905-C63

Method: 8021/5030/5035 601/602/6230D/8021
Matrix: Soil Water

Initial Cal. Curve: water 07/19/05
(5035S 06/28/05) - (5030 10/14/04)
Batch: 071905

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	HALL	PID
001F0101.D	b	7/19/05 9:15				MJC		
002F0101.D	b	7/19/05 9:46				MJC		
003F0101.D	v0.5	7/19/05 10:16	✓	✓	✓	MJC	✓	✓
004F0101.D	v1	7/19/05 10:47				MJC		
005F0101.D	v2	7/19/05 11:17				MJC		
006F0101.D	v5	7/19/05 11:48				MJC		
007F0101.D	v10	7/19/05 12:19				MJC		
008F0101.D	v20	7/19/05 12:50				MJC		
009F0101.D	v25	7/19/05 13:20				MJC		
010F0101.D	v40	7/19/05 13:51				MJC		
011F0101.D	v50	7/19/05 14:22				MJC		
012F0101.D	b	7/19/05 14:53				MJC		
013F0101.D	b	7/19/05 15:24				MJC		
014F0101.D	2ppbchk	7/19/05 15:55	✓	✓	✓	MJC	✓	✓
015F0101.D	qchk010	7/19/05 16:26				MJC		
016F0101.D	qchk010	7/19/05 16:57				MJC		
017F0101.D	ics3071905a	7/19/05 17:28				MJC		
018F0101.D	b	7/19/05 17:59				MJC		
019F0101.D	vblk3071905a	7/19/05 18:30	✓	✓	✓	MJC	✓	✓
020F0101.D	g311-128-3a	7/19/05 19:01	✓	✓	✓	MJC	✓	✓

Analyst: MJC

See Top for Standard Lot Numbers

Page Number: 281S
VO10.112202.1

8021S/WBQ-7-071205-C64
8021S/SGQ-7-071905-C64

Paradigm Analytical
GC3

8021S/WBC-7-071205-C63
8021S/SGC-7-071905-C63

Method: 8021/5030/5035 601/602/6230D/8021
Matrix: Soil Water

Initial Cal. Curve: water 07/19/05
(5035S 06/28/05) - (5030 10/14/04)
Batch: 071905

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	HALL	PID
021F0101.D	g311-128-2a	7/19/05 19:32	✓	✓	✓	MJC	✓	✓
022F0101.D	g311-127-22a	7/19/05 20:03				MJC		
023F0101.D	g311-127-25a	7/19/05 20:33				MJC		
024F0101.D	g311-127-28a	7/19/05 21:04				MJC		
025F0101.D	g311-127-28b dup	7/19/05 21:35				MJC		
026F0101.D	g122-2617-13c	7/19/05 22:05				MJC		
027F0101.D	g122-2619-8b	7/19/05 22:36	x 1			MJC		
028F0101.D	g122-2619-9b	7/19/05 23:06				MJC		
029F0101.D	g122-2619-11b	7/19/05 23:37				MJC		
030F0101.D	g122-2617-8a x2	7/20/05 0:08				MJC		
031F0101.D	g122-2617-7b x5	7/20/05 0:38	x 1			MJC		
032F0101.D	G122-2617-7B x5 ms	7/20/05 1:09	cid= 140867 ✓	✓	✓	MJC	✓	✓
033F0101.D	G122-2617-7B x5 msd	7/20/05 1:39	cid= 140867			MJC		
034F0101.D	qchk010	7/20/05 2:10	TOO LATE TOO			MJC		
035F0101.D	qchk010	7/20/05 2:40	USE			MJC		
036F0101.D	lcs3071905b	7/20/05 3:11				MJC		
037F0101.D	b	7/20/05 3:41				MJC		
038F0101.D	vblk3071905b	7/20/05 4:12				MJC		

Analyst: MJC

See Top for Standard Lot Numbers

Page Number: 2816
VO10.112202.1

8021S/WBQ-7-071205-C64
8021S/SGQ-7-071905-C64

Paradigm Analytical
GC3

8021S/WBC-7-071205-C63
8021S/SGC-7-071905-C63

Method: 8021/5030/5035 601/602/6230D/8021
Matrix: Soil Water

Initial Cal. Curve: water 07/19/05
(5035S 06/28/05) - (5030 10/14/04)
Batch: 072605

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	HALL	PID
001F0101.D	b	7/26/05 8:52	✓	✓	✓	MJC	✓	✓
002F0101.D	qchk010	7/26/05 9:23				MJC		
003F0101.D	qchk010	7/26/05 9:54				MJC		
004F0101.D	lcs3072605a	7/26/05 10:25				MJC		
005F0101.D	b	7/26/05 10:56				MJC		
006F0101.D	vblk3072605a	7/26/05 11:27	✓	✓	✓	MJC	✓	✓
007F0101.D	g161-2085-3a	7/26/05 11:58	✓	✓	✓	MJC	✓	✓
008F0101.D	g161-2085-2a	7/26/05 12:29				MJC		
009F0101.D	g161-2085-1a	7/26/05 13:00				MJC		
010F0101.D	g161-2085-1b dup	7/26/05 13:31				MJC		
011F0101.D	g128-1567-5a	7/26/05 14:02	✓	✓	✓	MJC	✓	✓
012F0101.D	g128-1567-6a	7/26/05 14:33	SR out Hal	✓	—	MJC	—	✓
013F0101.D	g128-1567-8a	7/26/05 15:04	✓		✓	MJC	✓	
014F0101.D	g128-1567-9a	7/26/05 15:36	✓	✓	✓	MJC	✓	
015F0101.D	g128-1567-1b	7/26/05 16:07	Rerun due to SR	✓	—	MJC	—	
016F0101.D	g128-1567-4a x10	7/26/05 16:38				MJC		
017F0101.D	g128-1567-7a x40	7/26/05 17:09				MJC		
018F0101.D	G128-1567-3A x800	7/26/05 17:40	cid= 143099 ✓		✓	MJC	✓	
019F0101.D	G128-1567-3A x800 ms	7/26/05 18:11	cid= 143099 ✓		✓	MJC	✓	
020F0101.D	G128-1567-3A x800 msd	7/26/05 18:42	cid= 143099 ✓	✓	✓	MJC	✓	✓

Analyst: MJC

See Top for Standard Lot Numbers

Page Number: 2827
VO10.112202.1

8021S/WBQ-7-071205-C64
8021S/SGQ-7-071905-C64

Paradigm Analytical
GC3

8021S/WBC-7-071205-C63
8021S/SGC-7-071905-C63

Method: 8021/5030/5035 601/602/6230D/8021
Matrix: Soil Water

Initial Cal. Curve: water 07/19/05
(5035S 06/28/05) - (5030 10/14/04)
Batch: 072605

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	HALL	PID
021F0101.D	b	7/26/05 19:13	✓	✓	✓	MJC	✓	✓
022F0101.D	b	7/26/05 19:44				MJC		
023F0101.D	b	7/26/05 20:16				MJC		
024F0101.D	b	7/26/05 20:47				MJC		
025F0101.D	b	7/26/05 21:18				MJC		
026F0101.D	2ppbchk	7/26/05 21:49	Not used	—	—	MJC	—	—
027F0101.D	qchk010	7/26/05 22:20	due to			MJC		
028F0101.D	qchk010	7/26/05 22:51	stuck vial			MJC		
029F0101.D	lcs3072605b	7/26/05 23:22				MJC		
030F0101.D	b	7/26/05 23:54				MJC		
031F0101.D	vblk3072605b	7/27/05 0:25				MJC		
032F0101.D	g128-1567-10a	7/27/05 0:56				MJC		
033F0101.D	g128-1567-11a	7/27/05 1:27				MJC		
034F0101.D	G128-1567-11B x1 dup	7/27/05 1:58	cid= 143180			MJC		

Analyst: MJC

See Top for Standard Lot Numbers

Page Number: 2828
VO10.112202.1

625-BN Sample Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072705\0727639.D Vial: 39
Acq On : 28 Jul 2005 6:46 am Operator: MRC
Sample : G161-2085-1L x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:44 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration
DataAcq Meth : 8270

mc 08.01.05

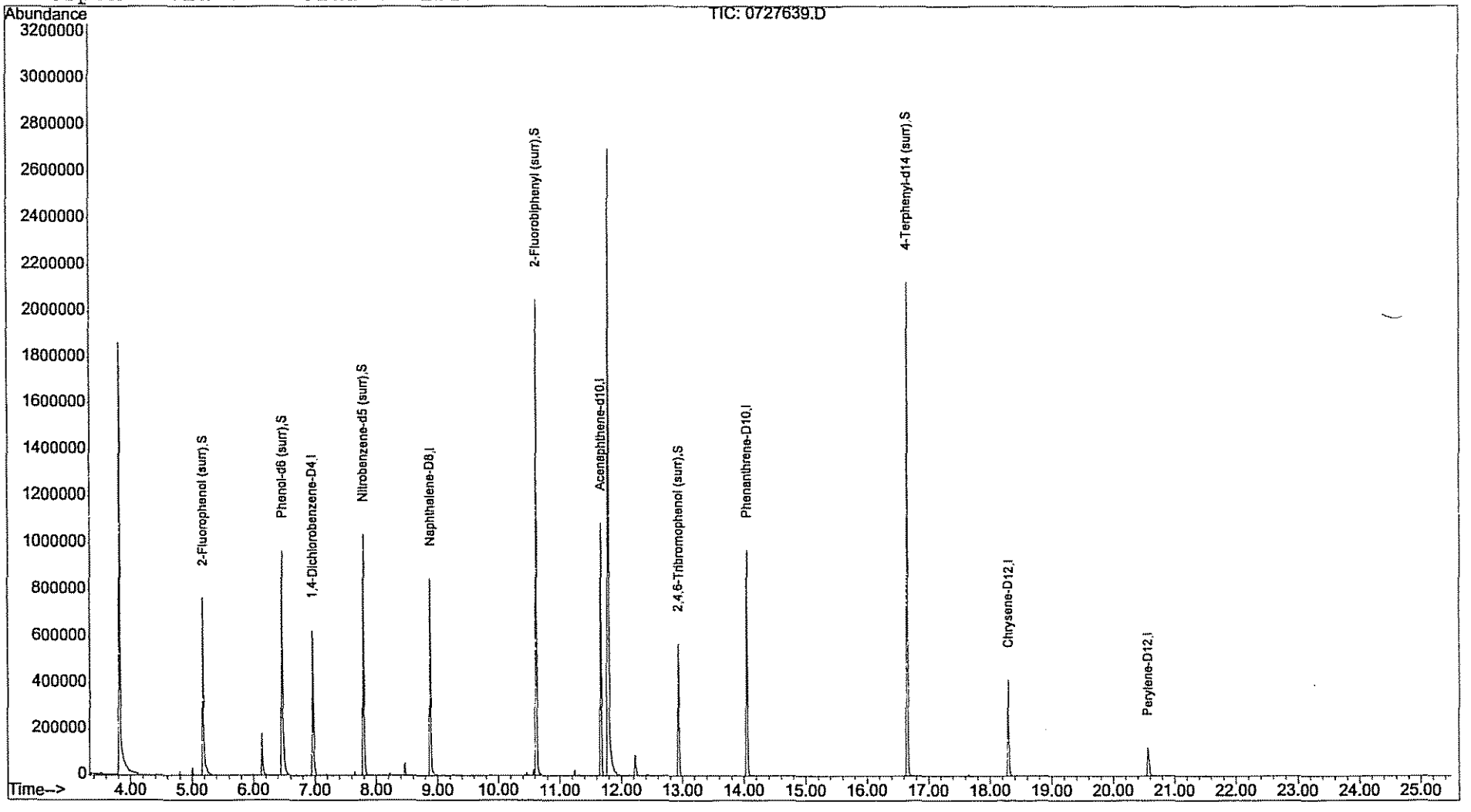
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.96	152	154662	4.00	ug/mL	-0.06
18) Naphthalene-D8	8.88	136	626100	4.00	ug/mL	-0.06
33) Acenaphthene-d10	11.67	164	357239	4.00	ug/mL	-0.06
55) Phenanthrene-D10	14.05	188	548391	4.00	ug/mL	-0.06
85) Chrysene-D12	18.30	240	272605	4.00	ug/mL	-0.06
93) Perylene-D12	20.56	264	131537	4.00	ug/mL	-0.08
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.18	112	345221	8.83	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	88.30%	
17) Phenol-d6 (surr)	6.47	99	557315	9.02	ug/mL	-0.04
Spiked Amount 10.000			Recovery	=	90.20%	
32) Nitrobenzene-d5 (surr)	7.80	128	196373	8.91	ug/mL	-0.06
Spiked Amount 10.000			Recovery	=	89.10%	
53) 2-Fluorobiphenyl (surr)	10.62	172	904418	8.98	ug/mL	-0.06
Spiked Amount 10.000			Recovery	=	89.80%	
54) 2,4,6-Tribromophenol (surr	12.94	330	92101	8.77	ug/mL	-0.06
Spiked Amount 10.000			Recovery	=	87.70%	
92) 4-Terphenyl-d14 (surr)	16.65	244	934796	13.85	ug/mL	-0.06
Spiked Amount 10.000			Recovery	=	138.50%	

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\6072705\0727639.D Vial: 39
Acq On : 28 Jul 2005 6:46 am Operator: MRC
Sample : G161-2085-1L x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:44 2005 Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6072705\0727639.D Vial: 39
Acq On : 28 Jul 2005 6:46 am Operator: MRC
Sample : G161-2085-1L x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Toluene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.82	12.15 ug/mL	2683580	1,4-Dichlorobenzene-D4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	91
2	Toluene	92	C7H8	000108-88-3	91
3	Toluene	92	C7H8	000108-88-3	90
4	Toluene	92	C7H8	000108-88-3	87
5	Toluene	92	C7H8	000108-88-3	87

****

Peak Number 2 Diallylvinylmethylsilane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.14	1.07 ug/mL	236880	1,4-Dichlorobenzene-D4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diallylvinylmethylsilane	152	C9H16Si	000000-00-0	9
2	Quinuclidine	111	C7H13N	000100-76-5	5
3	Phosphine, dimethyl-	62	C2H7P	000676-59-5	4
4	2(1H)-Pyridinone, 1-methyl-	109	C6H7NO	000694-85-9	4
5	Phosphine, dimethyl-	62	C2H7P	000676-59-5	4

****

Peak Number 3 2-Heptene, 5-ethyl-2,4-dimethy Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	0.20 ug/mL	60473	Naphthalene-D8	8.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptene, 5-ethyl-2,4-dimethyl-	154	C11H22	074421-06-0	9
2	1H-1,2,4-Triazole, 3-methyl-	83	C3H5N3	007170-01-6	4
3	1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	4
4	1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	4
5	1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	4

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6072705\0727639.D Vial: 39
Acq On : 28 Jul 2005 6:46 am Operator: MRC
Sample : G161-2085-1L x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****
Peak Number 4 Spiro[3.3]heptane-2,6-dione Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	12.20 ug/mL	4167380	Acenaphthene-d10	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[3.3]heptane-2,6-dione	124	C7H8O2	020061-23-8	38
2	Bicyclo[4.1.0]heptan-2-one	110	C7H10O	005771-58-4	32
3	Cyclobutane, 1,2-diethenyl-	108	C8H12	002422-85-7	27
4	1,3-Octadiene	110	C8H14	001002-33-1	25
5	5H-Pyrrolotetrazole, 6,7-dihydro-	110	C4H6N4	005817-87-8	25

****
Peak Number 5 Tricyclo[2.2.1.02,6]heptan-3-o Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	0.40 ug/mL	137202	Acenaphthene-d10	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[2.2.1.02,6]heptan-3-ol	110	C7H10O	000695-04-5	9
2	1-Penten-3-yne	66	C5H6	000646-05-9	5
3	6-Chloro-2-pyridinol	129	C5H4ClNO	016879-02-0	5
4	5-Exo-methyl-5-norbornenol	124	C8H12O	003212-13-3	4
5	2-Norbornanone	110	C7H10O	000497-38-1	4

Tentatively Identified Compound (LSC) summary

Operator ID: MRC Date Acquired: 28 Jul 2005 6:46 am
Data File: C:\HPCHEM\1\DATA\6072705\0727639.D
Name: G161-2085-1L x1
Misc: 625 - BN - TICS - CLP [3520-3298]
Method: C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title: 5 POINT INITIAL CALIBRATION FOR 8270
Library Searched: C:\DATABASE\NBS75K.L

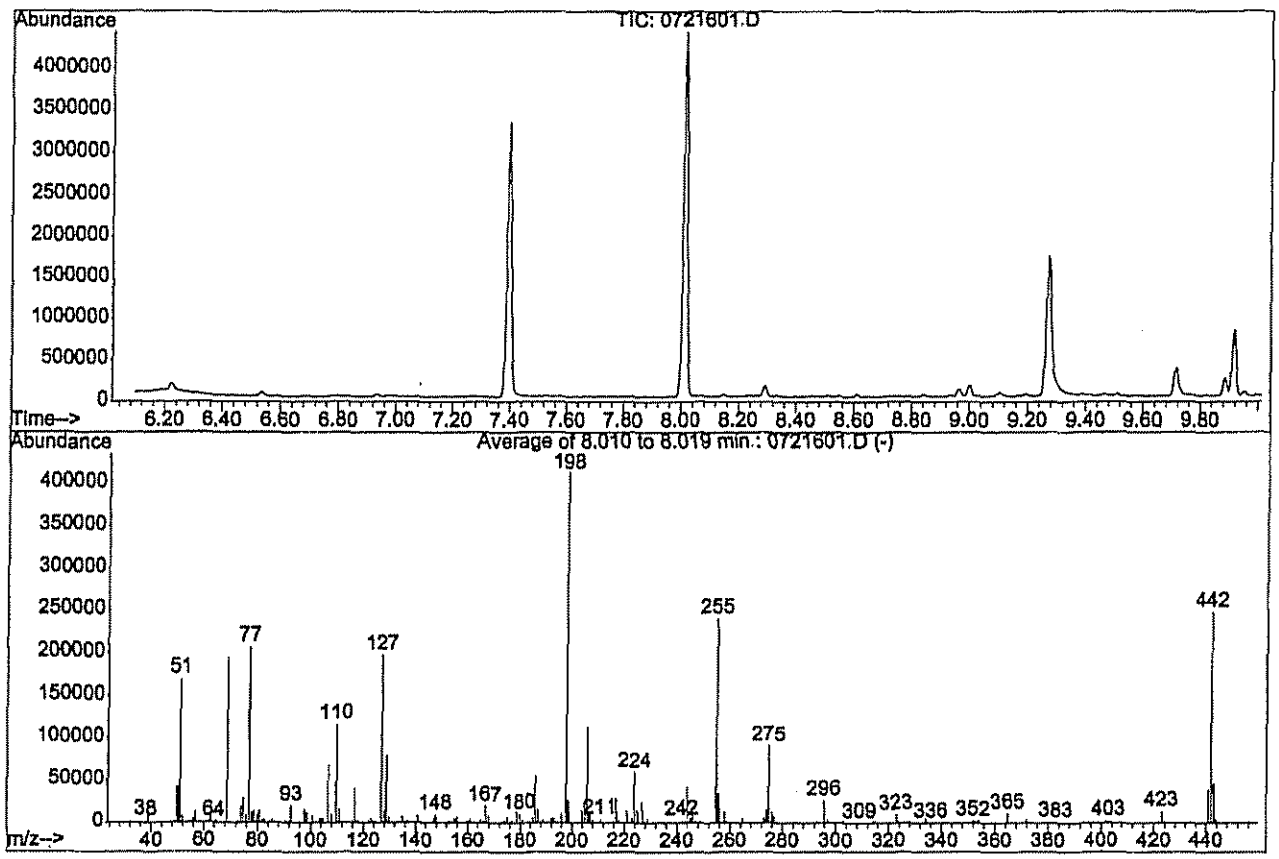
TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Toluene	3.82	12.2	ug/mL	2683580	ISTD01	6.96	883206	4.0
Diallylvinylmethylsi	6.14	1.1	ug/mL	236880	ISTD01	6.96	883206	4.0
2-Heptene, 5-ethyl-2	8.47	0.2	ug/mL	60473	ISTD02	8.88	1197520	4.0
Spiro[3.3]heptane-2,	11.79	12.2	ug/mL	4167380	ISTD03	11.67	1366750	4.0
Tricyclo[2.2.1.02,6]	12.23	0.4	ug/mL	137202	ISTD03	11.67	1366750	4.0

0727639.D 8270.M Mon Aug 01 10:15:02 2005 ENV

625-BN Tuning

DFTPP

Data File : C:\HPCHEM\1\DATA\6072105\0721601.D Vial: 1
Acq On : 21 Jul 2005 8:54 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\DATA\6072105\DFTPP.M (RTE Integrator)
Title :



AutoFind: Scans 399, 400, 401; Background Corrected with Scan 391

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.9	169547	PASS
68	69	0.00	2	0.8	1473	PASS
69	198	0.00	100	47.1	195021	PASS
70	69	0.00	2	0.5	885	PASS
127	198	40	60	47.6	197375	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	414379	PASS
199	198	5	9	6.7	27705	PASS
275	198	10	30	21.9	90888	PASS
365	198	1	100	2.6	10770	PASS
441	443	0.01	100	86.1	39656	PASS
442	198	40	100	59.8	247936	PASS
443	442	17	23	18.6	46032	PASS

0721601.D DFTPP.M Thu Jul 21 09:09:38 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721601.D Vial: 1
Acq On : 21 Jul 2005 8:54 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 21 9:30 2005 Quant Results File: DFTPP.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6051905\0519601.D
DataAcq Meth : DFTPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

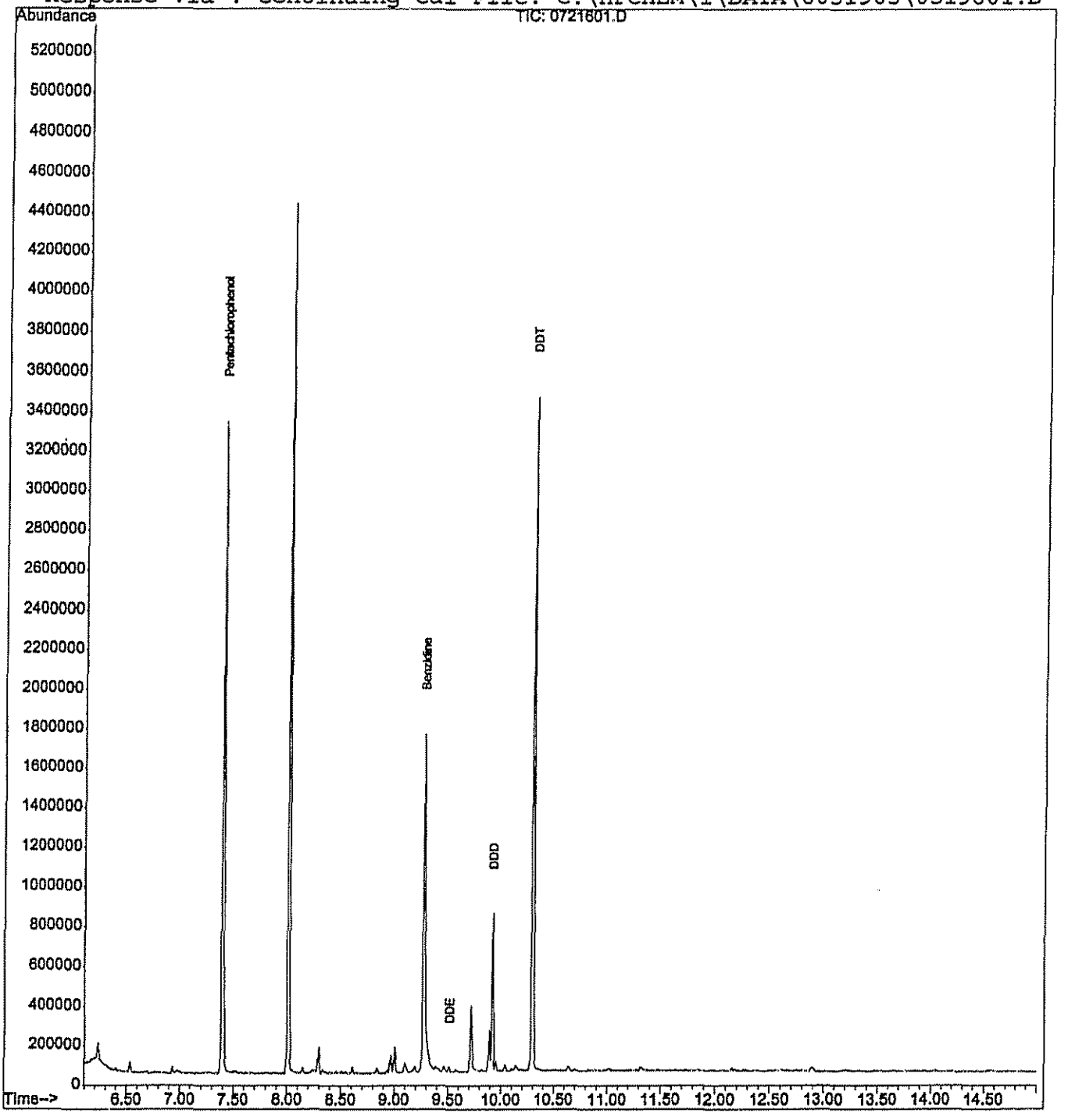
Target Compounds					Qvalue
1) Pentachlorophenol	7.39	TIC	3725642	2.32	100
2) Benzidine	9.27	TIC	2459087	2.71	100
3) DDT	10.29	TIC	3678880	6.88	100
4) DDD	9.92	TIC	778711	151.52	100
5) DDE	9.51	TIC	29294m	1.51	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6072105\0721601.D Vial: 1
Acq On : 21 Jul 2005 8:54 am Operator: MRC
Sample : DFTPP 50ng Inst) : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 21 9:30 2005 Quant Results File: DFTPP.RES

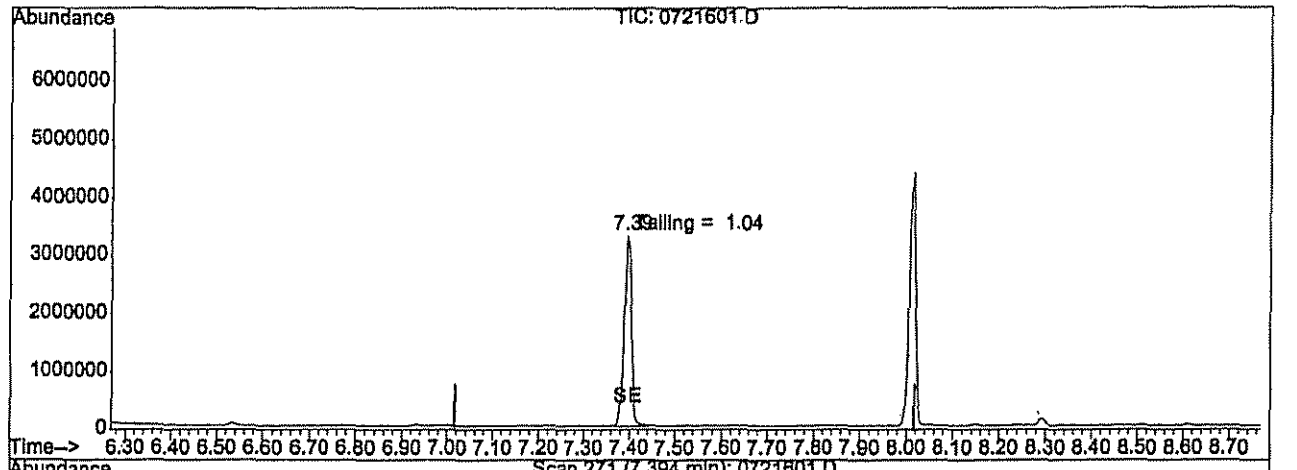
Method : C:\HPCHEM\1\DATA\6072105\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6051905\0519601.D

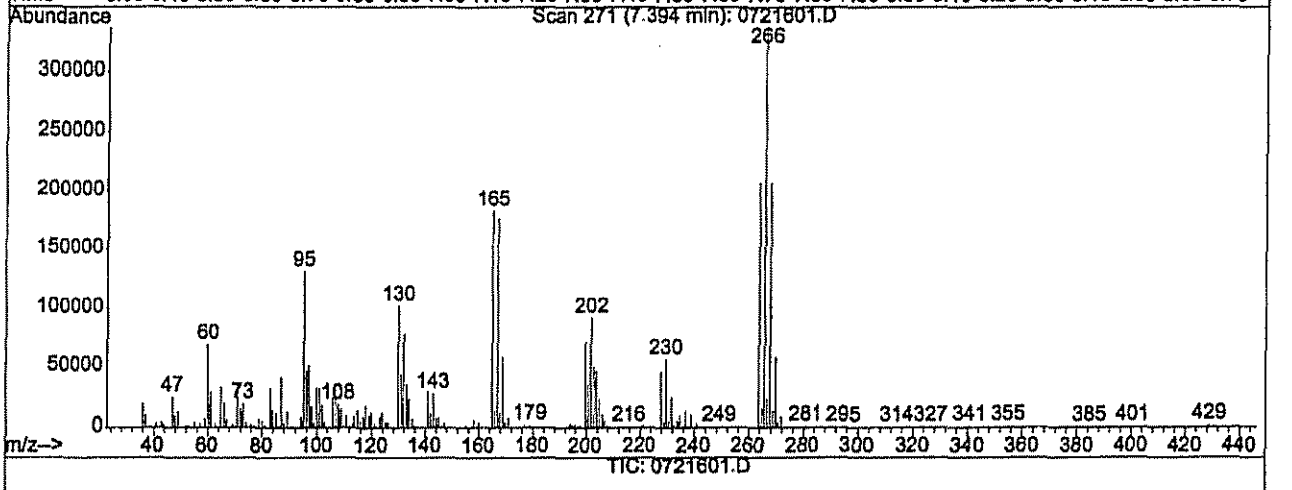


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721601.D Vial: 1
Acq On : 21 Jul 2005 8:54 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 21 9:30 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Single Level Calibration





TIC: 0721601.D

(1) Pentachlorophenol

7.39min 2.32

response 3725642

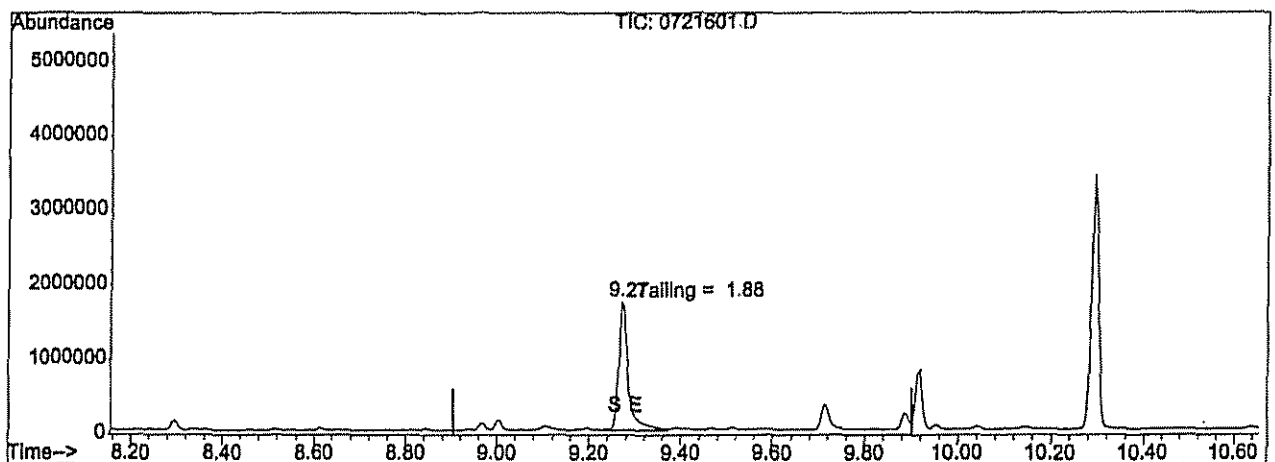
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

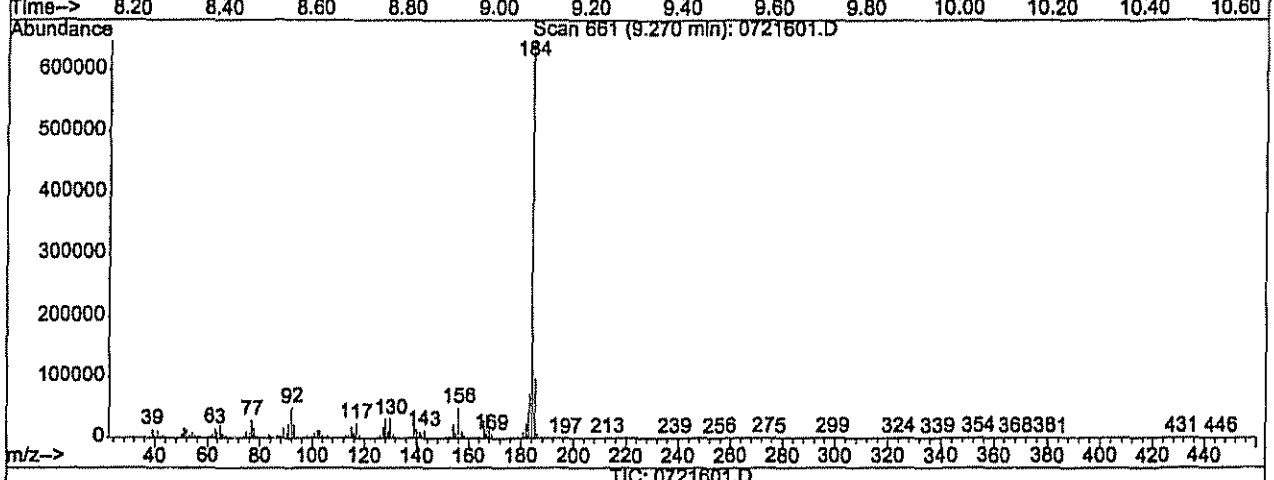
0721601.D DFTPP.M Thu Jul 21 11:11:21 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721601.D Vial: 1
Acq On : 21 Jul 2005 8:54 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 21 9:30 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Single Level Calibration





(2) Benzidine

9.27min 2.71

response 2459087

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

0721601.D DFTPP.M Thu Jul 21 11:11:34 2005 ENV

DDT Breakdown Report

DFTPP TUNE

		Area
GCMS	DDT	3678880
	DDD	778711
	DDE	29294
	% Breakdown =	**18.01%**

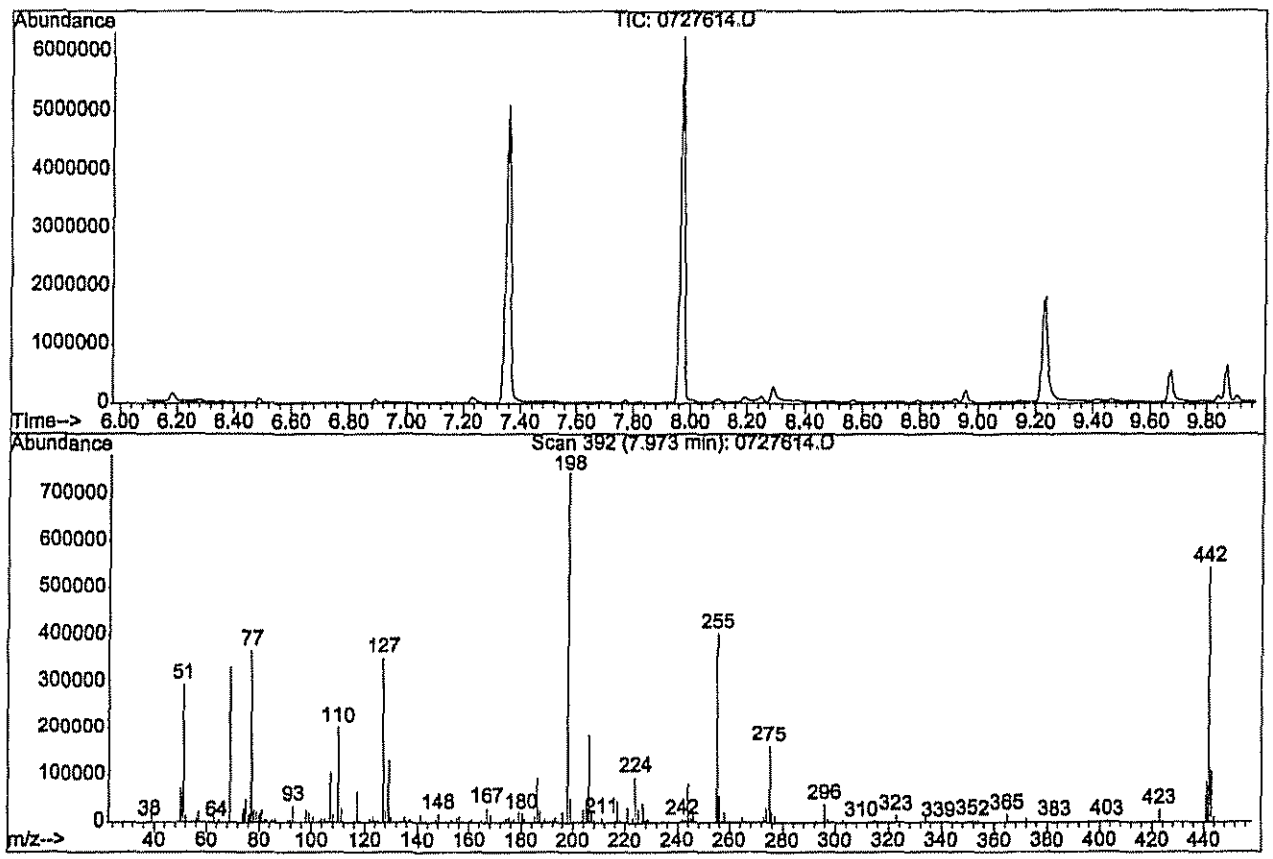
Date: 07/21/05

Instrument: MSD6

File: 0721601.d

DFTPP

Data File : C:\HPCHEM\1\DATA\6072705\0727614.D Vial: 1
Acq On : 27 Jul 2005 4:35 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\DATA\6072705\DFTPP.M (RTE Integrator)
Title :



Spectrum Information: Scan 392

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.6	295680	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	44.7	333760	PASS
70	69	0.00	2	0.5	1569	PASS
127	198	40	60	47.2	352192	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	746560	PASS
199	198	5	9	6.8	50592	PASS
275	198	10	30	21.8	162624	PASS
365	198	1	100	2.2	16416	PASS
441	443	0.01	100	80.3	88088	PASS
442	198	40	100	73.0	544704	PASS
443	442	17	23	20.1	109704	PASS

0727614.D DFTPP.M Tue Aug 02 08:48:39 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072705\0727614.D Vial: 1
Acq On : 27 Jul 2005 4:35 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 27 17:00 2005 Quant Results File: DFTPP.RES

Quant Method : C:\HPCHEM\1\DATA\6072705\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6051905\0519601.D
DataAcq Meth : DFTPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	7.36	TIC	5963561	3.72	100
2) Benzidine	9.23	TIC	2625764	2.89	100
3) DDT	10.25	TIC	7443605	13.93	100
4) DDD	9.87	TIC	566028	110.14	100
5) DDE	9.46	TIC	39478m	2.04	

(#) = qualifier out of range (m) = manual integration

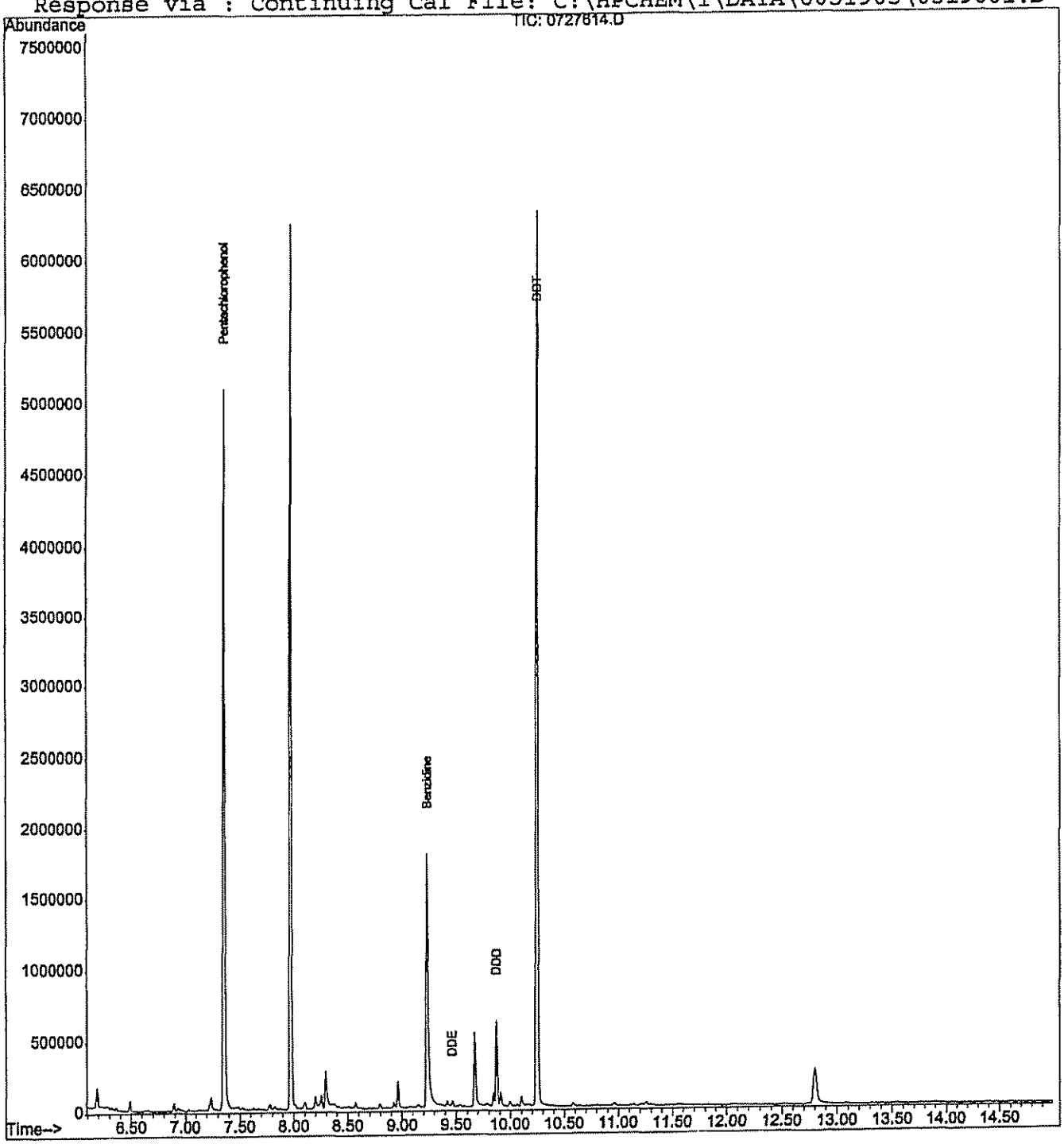
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6072705\0727614.D
Acq On : 27 Jul 2005 4:35 pm
Sample : DFTPP 50ng
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 27 17:00 2005

Vial: 1
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: DFTPP.RES

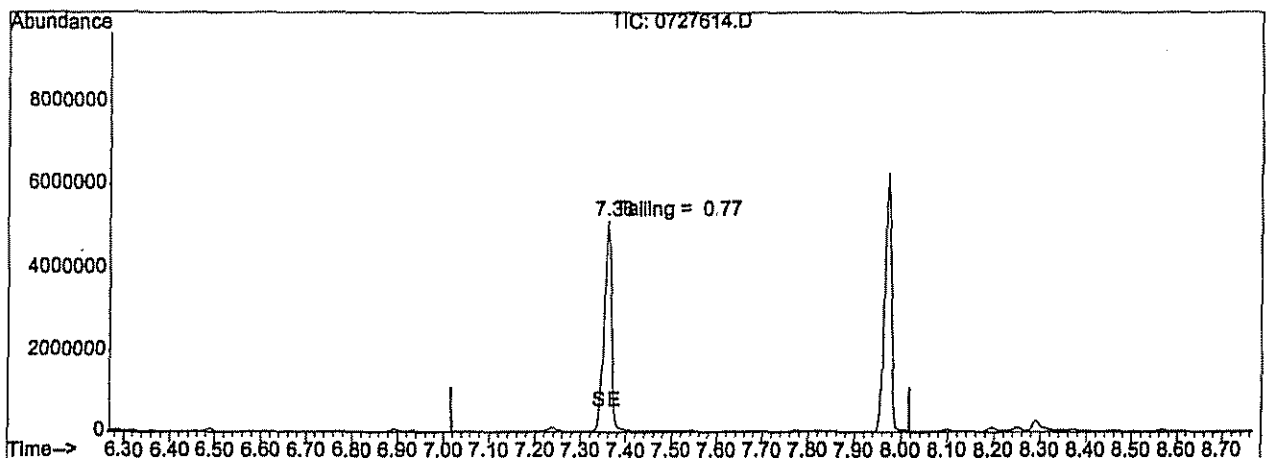
Method : C:\HPCHEM\1\DATA\6072705\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6051905\0519601.D

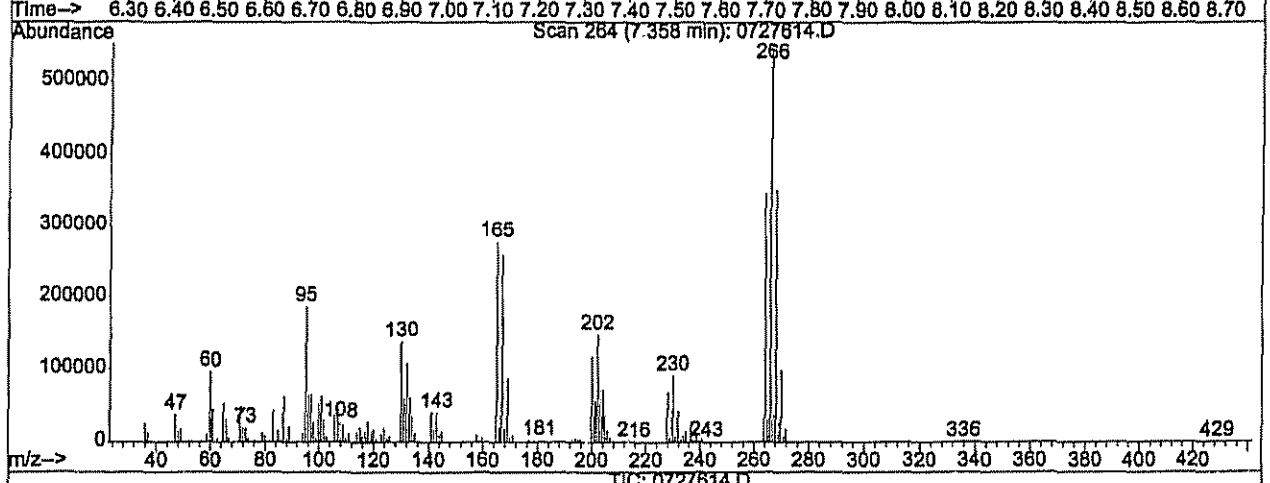


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072705\0727614.D Vial: 1
Acq On : 27 Jul 2005 4:35 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 27 17:00 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072705\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Single Level Calibration





(1) Pentachlorophenol

7.36min 3.72

response 5963561

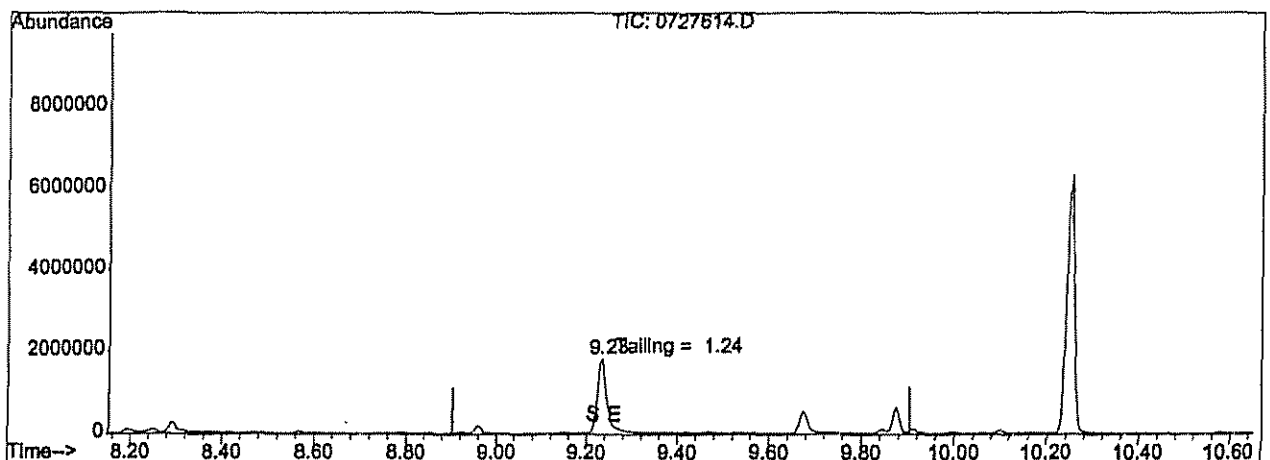
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

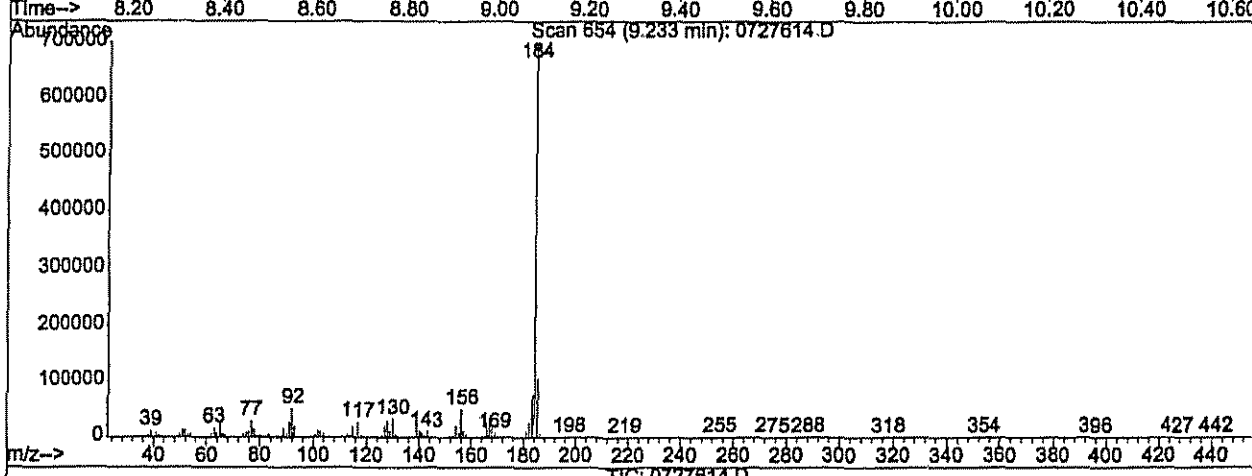
0727614.D DFTPP.M Tue Aug 02 08:49:25 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072705\0727614.D Vial: 1
Acq On : 27 Jul 2005 4:35 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 27 17:00 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072705\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Single Level Calibration





(2) Benzidine

9.23min 2.89

response 2625764

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

0727614.D DFTPP.M Tue Aug 02 08:49:34 2005 ENV

DDT Breakdown Report

DFTPP TUNE

		Area
GCMS	DDT	7443605
	DDD	566028
	DDE	39478
	% Breakdown =	**7.52%**

Date: 07/27/05

Instrument: MSD6

File: 0727614.d

625-BN Calibration Raw Data

Initial Calibration Report
Paradigm Analytical Labs

Instrument ; MSD6
Method ; 8270.M
Matrix ; NA
Cal. Date ; 21 Jul 2005 1:16 pm
Last Modified ; Thu Jul 21 13:47:19 2005
Number of levels ; 8

Cal Files by ID
48 ; C:\HPCHEM\1\DATA\6072105\0721609.D
24 ; C:\HPCHEM\1\DATA\6072105\0721608.D
12 ; C:\HPCHEM\1\DATA\6072105\0721607.D
8 ; C:\HPCHEM\1\DATA\6072105\0721606.D
6 ; C:\HPCHEM\1\DATA\6072105\0721605.D
4 ; C:\HPCHEM\1\DATA\6072105\0721604.D
2 ; C:\HPCHEM\1\DATA\6072105\0721603.D
1 ; C:\HPCHEM\1\DATA\6072105\0721602.D

Calibration Level ID	48	24	12	8	6	4	2	1	AvgRF	%RSD
Concentration (ppb)	48.0	24.0	12.0	8.0	6.0	4.0	2.0	1.0		
Pyridine		1.078	0.948	1.059	0.949	0.956	0.573	0.743	0.901	20.092
N-Nitrosodimethylamine	0.648	0.688	0.696	0.628	0.671	0.661	0.585	0.662	0.655	5.409
Phenol	1.600	1.765	1.723	1.750	1.848	1.798	1.838	1.912	1.779	5.311
Bis(2-chloroethyl)ether	1.332	1.467	1.506	1.365	1.382	1.350	1.352	1.513	1.409	5.300
2-Chlorophenol	1.263	1.339	1.332	1.307	1.406	1.361	1.408	1.449	1.358	4.482
Benzyl Alcohol	0.922	0.969	0.953	0.912	0.977	0.934	0.947	1.013	0.953	3.425
1,3-Dichlorobenzene	1.243	1.297	1.310	1.289	1.347	1.339	1.352	1.392	1.321	3.475
1,4-Dichlorobenzene	1.278	1.336	1.325	1.317	1.385	1.389	1.363	1.409	1.350	3.255
1,2-Dichlorobenzene	1.128	1.186	1.191	1.189	1.263	1.252	1.296	1.308	1.227	5.122
2-Methylphenol	1.035	1.103	1.084	1.071	1.146	1.122	1.136	1.224	1.115	5.121
3-, 4-Methylphenol	1.530	1.628	1.581	1.559	1.639	1.615	1.638	1.789	1.622	4.814
Bis(2-chloroisopropyl)ether	1.476	1.603	1.588	1.554	1.653	1.650	1.628	1.760	1.614	5.128
N-Nitrosodi-n-propylamine	0.798	0.860	0.828	0.794	0.879	0.835	0.875	0.910	0.847	4.823
Hexachloroethane	0.505	0.535	0.519	0.502	0.530	0.513	0.523	0.583	0.526	4.833
2-Fluorophenol (surr)	0.994	1.046	1.038	1.017	1.015	1.014	0.989	0.972	1.011	2.430
Phenol-d6 (surr)	1.501	1.606	1.581	1.561	1.631	1.576	1.616	1.718	1.599	3.923
Nitrobenzene	0.356	0.375	0.382	0.357	0.393	0.377	0.370	0.408	0.377	4.700
Isophorone	0.531	0.560	0.573	0.540	0.589	0.564	0.570	0.613	0.568	4.583
2-Nitrophenol	0.165	0.175	0.179	0.170	0.189	0.196	0.202	0.207	0.185	8.454
2,4-Dimethylphenol	0.249	0.257	0.264	0.255	0.263	0.260	0.259	0.285	0.262	3.981
Benzoic Acid		0.179	0.171	0.146	0.148	0.137	0.117	0.166	0.152	14.177
Bis(2-chloroethoxy)methane	0.350	0.361	0.374	0.357	0.393	0.386	0.386	0.422	0.379	6.198
2,4-Dichlorophenol	0.257	0.266	0.277	0.260	0.289	0.271	0.269	0.304	0.274	5.749
1,2,4-Trichlorobenzene	0.261	0.271	0.281	0.271	0.295	0.283	0.303	0.323	0.286	7.071
Naphthalene	0.812	0.837	0.866	0.826	0.910	0.880	0.904	0.954	0.874	5.525
4-Chloroaniline	0.141	0.146	0.101	0.110		0.142	0.184	0.167	0.142	20.548
Hexachlorobutadiene	0.162	0.171	0.180	0.164	0.184	0.184	0.175	0.192	0.176	5.957
4-Chloro-3-methylphenol	0.312	0.326	0.326	0.300	0.328	0.314	0.310	0.347	0.320	4.485
2-Methylnaphthalene	0.602	0.612	0.630	0.601	0.656	0.644	0.644	0.700	0.636	5.204
Nitrobenzene-d5 (surr)	0.132	0.138	0.142	0.132	0.149	0.141	0.140	0.152	0.141	5.129
Hexachlorocyclopentadiene	0.129	0.106	0.118	0.091	0.111	0.098	0.088	0.148	0.111	18.228
2,4,6-Trichlorophenol	0.347	0.348	0.362	0.341	0.374	0.358	0.347	0.405	0.360	5.856
2,4,5-Trichlorophenol	0.356	0.356	0.373	0.340	0.375	0.364	0.354	0.405	0.365	5.332
2-Chloronaphthalene	0.925	0.932	0.998	0.929	1.011	0.982	1.023	1.114	0.989	6.445
2-Nitroaniline	0.331	0.342	0.334	0.312	0.350	0.333	0.329	0.365	0.337	4.688
3-Nitroaniline	0.087	0.051	0.037	0.040		0.063	0.069	0.097	0.063	35.837
1-Methylnaphthalene	0.923	0.918	0.981	0.938	1.019	0.981	1.012	1.098	0.984	6.116
Dimethylphthalate	1.083	1.092	1.147	1.085	1.187	1.131	1.142	1.283	1.144	5.841
Acenaphthylene	1.009	1.207	1.292	1.246	1.350	1.318	1.357	1.517	1.287	11.289
2,6-Dinitrotoluene	0.241	0.245	0.254	0.236	0.253	0.237	0.226	0.278	0.246	6.446
Acenaphthene	0.843	0.841	0.877	0.835	0.912	0.891	0.896	0.976	0.884	5.303
2,4-Dinitrophenol	0.135	0.126	0.132	0.112	0.113	0.103	0.080	0.115	0.115	15.176
4-Nitrophenol	0.165	0.155	0.156	0.132	0.147	0.136	0.115	0.158	0.146	11.424
Dibenzofuran	1.353	1.356	1.420	1.340	1.457	1.429	1.455	1.593	1.425	5.783
2,4-Dinitrotoluene	0.303	0.298	0.304	0.289	0.303	0.311	0.280	0.347	0.304	6.467
Fluorene	1.019	1.011	1.068	0.994	1.101	1.073	1.053	1.128	1.056	4.369
Diethylphthalate	0.991	1.006	1.067	0.993	1.087	1.057	1.032	1.138	1.046	4.908
4-Chlorophenyl phenyl ether	0.512	0.517	0.552	0.533	0.577	0.559	0.570	0.600	0.553	5.523
4-Nitroaniline		0.099	0.116	0.115	0.132	0.124	0.099	0.133	0.117	12.025
2-Fluorobiphenyl (surr)	1.047	1.047	1.116	1.057	1.171	1.142	1.149	1.297	1.128	7.425
2,4,6-Tribromophenol (surr)	0.126	0.119	0.125	0.114	0.115	0.113	0.111	0.119	0.118	4.649
4,6-Dinitro-2-methylphenol	0.136	0.131	0.135	0.118	0.122	0.113	0.088	0.131	0.122	13.117
Diphenylamine		0.332	0.339	0.376	0.459	0.436	0.483	0.432	0.408	14.554
4-bromophenyl phenyl ether	0.196	0.204	0.214	0.208	0.228	0.227	0.241	0.235	0.219	7.316
Hexachlorobenzene	0.192	0.199	0.207	0.202	0.225	0.209	0.212	0.231	0.210	6.256
Pentachlorophenol	0.144	0.142	0.148	0.135	0.144	0.135	0.112	0.148	0.139	8.511
Phenanthrene	0.918	0.947	0.981	0.954	1.038	1.006	1.026	1.093	0.995	5.708

Carbazole				0.351	0.429	0.353	0.510	0.377	0.404	16.543
Anthracene	0.856	0.875	0.914	0.879	0.971	0.910	0.938	1.026	0.921	6.071
Azobenzene	0.781	0.830	0.857	0.820	0.910	0.876	0.907	0.937	0.865	6.107
Di-n-Butylphthalate	1.108	1.142	1.187	1.175	1.253	1.217	1.269	1.338	1.211	6.126
Fluoranthene	0.976	0.971	1.026	0.959	1.059	1.000	1.005	1.059	1.007	3.841
alpha-BHC	0.134	0.148	0.157	0.152		0.159	0.165	0.180	0.156	9.112
beta-BHC	0.115	0.120	0.128	0.120		0.128	0.124	0.133	0.124	4.940
gamma-BHC	0.118	0.125	0.131	0.126		0.130	0.124	0.144	0.128	6.426
delta-BHC	0.108	0.113	0.118	0.114		0.114	0.114	0.127	0.116	5.252
Heptachlor	0.141	0.150	0.151	0.146		0.146	0.148	0.166	0.150	5.262
Aldrin	0.144	0.153	0.158	0.159		0.163	0.169	0.177	0.160	6.625
Heptachlor Epoxide	0.054	0.053	0.057	0.055		0.055	0.055	0.054	0.055	2.196
Endosulfan I	0.034	0.039	0.042	0.043		0.041	0.043	0.042	0.040	7.616
4,4'-DDE	0.226	0.228	0.240	0.228		0.235	0.224	0.255	0.234	4.580
Dieldrin	0.184	0.190	0.201	0.198		0.198	0.215	0.213	0.200	5.672
Endrin	0.037	0.038	0.036	0.032		0.032	0.028	0.037	0.034	10.283
Endosulfan II	Not Calibrated									
4,4'-DDD	0.367	0.397	0.425	0.402		0.421	0.420	0.450	0.412	6.376
Endosulfan Sulfate	0.037	0.052	0.054	0.052		0.052	0.050	0.060	0.051	13.251
4,4'-DDT	0.290	0.321	0.320	0.301		0.312	0.303	0.377	0.318	8.987
Endrin Aldehyde	Not Calibrated									
Endrin Ketone	0.037	0.043	0.047	0.044		0.044	0.038	0.045	0.042	8.879
Methoxychlor	0.561	0.669	0.722	0.695		0.676	0.665	0.807	0.685	10.721
Pyrene	1.557	1.410	1.357	1.304	1.436	1.442	1.460	1.501	1.433	5.510
Butylbenzylphthalate	0.684	0.717	0.695	0.658	0.722	0.682	0.697	0.745	0.700	3.909
Benzo[a]anthracene	1.236	1.249	1.258	1.204	1.306	1.255	1.235	1.349	1.261	3.606
3,3'-Dichlorobenzidine	0.196	0.186	0.172	0.182	0.210	0.190	0.204	0.200	0.193	6.465
Chrysene	1.008	1.028	1.045	1.016	1.081	1.040	1.034	1.097	1.044	2.944
Bis(2-ethylhexyl)phthalate	0.885	0.929	0.910	0.875	0.972	0.936	0.977	1.000	0.935	4.810
4-Terphenyl-d14 (surr)	1.096	0.991	0.949	0.906	0.981	0.984	0.977	1.040	0.991	5.763
Di-n-octylphthalate	2.234	2.457	2.529	2.224	2.371	2.184	2.209	2.363	2.322	5.506
Benzo[b]fluoranthene	1.334	1.374	1.434	1.300	1.403	1.342	1.296	1.359	1.355	3.538
Benzo[k]fluoranthene	1.141	1.287	1.375	1.260	1.356	1.278	1.239	1.335	1.284	5.838
Benzo[a]pyrene	1.023	1.078	1.099	0.984	1.080	1.009	1.019	1.076	1.046	4.023
Indeno(1,2,3-c,d)pyrene	0.750	0.639	0.614	0.569	0.576	0.535	0.579	0.600	0.608	10.797
Dibenzo[a,h]anthracene	0.708	0.607	0.543	0.502	0.528	0.471	0.492	0.560	0.551	13.807
Benzo[g,h,i]perylene	0.752	0.656	0.645	0.612	0.637	0.564	0.618	0.629	0.639	8.375

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721602.D Vial: 2
Acq On : 21 Jul 2005 9:18 am Operator: MRC
Sample : SVCAL1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:14 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 14:19:46 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MMC 07-21-05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.02	152	466977	4.00 ug/mL	-0.14
18) Naphthalene-D8	8.95	136	1899395	4.00 ug/mL	-0.14
33) Acenaphthene-d10	11.73	164	1109965	4.00 ug/mL	-0.15
55) Phenanthrene-D10	14.12	188	1576803	4.00 ug/mL	-0.16
85) Chrysene-D12	18.36	240	1112033	4.00 ug/mL	-0.17
93) Perylene-D12	20.64	264	794965	4.00 ug/mL	-0.23
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	5.21	112	113527	0.96 ug/mL	-0.15
Spiked Amount 10.000			Recovery	= 9.60%	
17) Phenol-d6 (surr)	6.51	99	200613	1.08 ug/mL	-0.15
Spiked Amount 10.000			Recovery	= 10.80%	
32) Nitrobenzene-d5 (surr)	7.85	128	72373	1.07 ug/mL	-0.15
Spiked Amount 10.000			Recovery	= 10.70%	
53) 2-Fluorobiphenyl (surr)	10.68	172	359779	1.16 ug/mL	-0.15
Spiked Amount 10.000			Recovery	= 11.60%	
54) 2,4,6-Tribromophenol (surr	13.00	330	33091	1.02 ug/mL	-0.16
Spiked Amount 10.000			Recovery	= 10.20%	
92) 4-Terphenyl-d14 (surr)	16.71	244	289214	1.04 ug/mL	-0.16
Spiked Amount 10.000			Recovery	= 10.40%	
Target Compounds					Qvalue
2) Pyridine	3.65	79	86705m	1.37 ug/mL	
3) N-Nitrosodimethylamine	3.61	74	77258	0.99 ug/mL	95
4) Phenol	6.53	94	223228	1.06 ug/mL	93
5) Bis(2-chloroethyl)ether	6.66	93	176654	1.08 ug/mL	99
6) 2-Chlorophenol	6.72	128	169202	1.10 ug/mL	96
7) Benzyl Alcohol	7.24	108	118260	1.10 ug/mL	87
8) 1,3-Dichlorobenzene	6.93	146	162466	1.07 ug/mL	96
9) 1,4-Dichlorobenzene	7.04	146	164444	1.05 ug/mL	99
10) 1,2-Dichlorobenzene	7.26	146	152759	1.08 ug/mL	96
11) 2-Methylphenol	7.41	107	142926	1.12 ug/mL	98
12) 3-, 4-Methylphenol	7.64	107	208904	1.13 ug/mL	98
13) Bis(2-chloroisopropyl)ethe	7.46	45	205525	1.07 ug/mL	99
14) N-Nitrosodi-n-propylamine	7.65	70	106277	1.09 ug/mL	94
15) Hexachloroethane	7.77	117	68016	1.10 ug/mL	93
19) Nitrobenzene	7.88	77	193948	1.04 ug/mL	99
20) Isophorone	8.25	82	291295	1.05 ug/mL	98
21) 2-Nitrophenol	8.36	139	98468	1.13 ug/mL	92
22) 2,4-Dimethylphenol	8.46	122	135151	1.09 ug/mL	97
23) Benzoic Acid	8.58	122	79008	1.69 ug/mL	98
24) Bis(2-chloroethoxy)methane	8.61	93	200596	1.10 ug/mL	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721602.D Vial: 2
Acq On : 21 Jul 2005 9:18 am Operator: MRC
Sample : SVCAL1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:14 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 14:19:46 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	8.73	162	144582	1.15 ug/mL	95
26) 1,2,4-Trichlorobenzene	8.87	180	153529	1.15 ug/mL	97
27) Naphthalene	8.97	128	453179	1.09 ug/mL	99
28) 4-Chloroaniline	9.10	127	79275	1.87 ug/mL#	94
29) Hexachlorobutadiene	9.20	225	91405	1.09 ug/mL	98
30) 4-Chloro-3-methylphenol	9.86	107	164717	1.11 ug/mL	95
31) 2-Methylnaphthalene	10.07	142	332631	1.13 ug/mL	99
34) Hexachlorocyclopentadiene	10.34	237	41015	1.86 ug/mL	99
35) 2,4,6-Trichlorophenol	10.53	196	112468	1.14 ug/mL	98
36) 2,4,5-Trichlorophenol	10.58	196	112388	1.10 ug/mL	96
37) 2-Chloronaphthalene	10.84	162	309191	1.13 ug/mL	97
38) 2-Nitroaniline	11.02	65	101330	1.00 ug/mL	95
39) 3-Nitroaniline	11.72	138	26908	0.37 ug/mL#	85
40) 1-Methylnaphthalene	10.23	142	304730	1.12 ug/mL	97
41) Dimethylphthalate	11.36	163	355917	1.10 ug/mL	98
42) Acenaphthylene	11.50	152	420824	1.18 ug/mL	98
43) 2,6-Dinitrotoluene	11.43	165	77244	1.08 ug/mL	97
44) Acenaphthene	11.78	153	270756	1.11 ug/mL	98
45) 2,4-Dinitrophenol	11.90	184	31876	0.77 ug/mL#	88
46) 4-Nitrophenol	11.98	109	43919	0.94 ug/mL	94
47) Dibenzofuran	12.08	168	442181	1.11 ug/mL	98
48) 2,4-Dinitrotoluene	12.08	165	96252	1.07 ug/mL	94
49) Fluorene	12.61	166	313059	1.06 ug/mL	97
50) Diethylphthalate	12.50	149	315868	1.05 ug/mL	99
51) 4-Chlorophenyl phenyl ethe	12.64	204	166504	1.09 ug/mL	96
52) 4-Nitroaniline	12.66	138	36823	0.95 ug/mL#	87
56) 4,6-Dinitro-2-methylphenol	12.72	198	51629	0.90 ug/mL	94
57) Diphenylamine	12.83	169	170462	1.04 ug/mL	93
58) 4-bromophenyl phenyl ether	13.42	248	92717	1.16 ug/mL	98
59) Hexachlorobenzene	13.50	284	91138	1.16 ug/mL	92
60) Pentachlorophenol	13.82	266	58424	1.01 ug/mL	91
61) Phenanthrene	14.15	178	430827	1.10 ug/mL	98
62) Carbazole	14.50	167	148509	0.52 ug/mL#	92
63) Anthracene	14.22	178	404305	1.11 ug/mL	99
64) Azobenzene	12.89	77	369480	1.07 ug/mL	97
65) Di-n-Butylphthalate	15.14	149	527366	1.13 ug/mL	97
66) Fluoranthene	16.05	202	417643	1.02 ug/mL	98
67) alpha-BHC	13.43	183	70831	1.14 ug/mL	96
68) beta-BHC	13.77	181	52469	1.01 ug/mL	99
69) gamma-BHC	13.91	183	56840	1.07 ug/mL	94
70) delta-BHC	14.27	183	50175	1.00 ug/mL	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721602.D Vial: 2
Acq On : 21 Jul 2005 9:18 am Operator: MRC
Sample : SVCAL1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:14 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 14:19:46 2005
Response via : Initial Calibration
DataAcq Meth : 8270

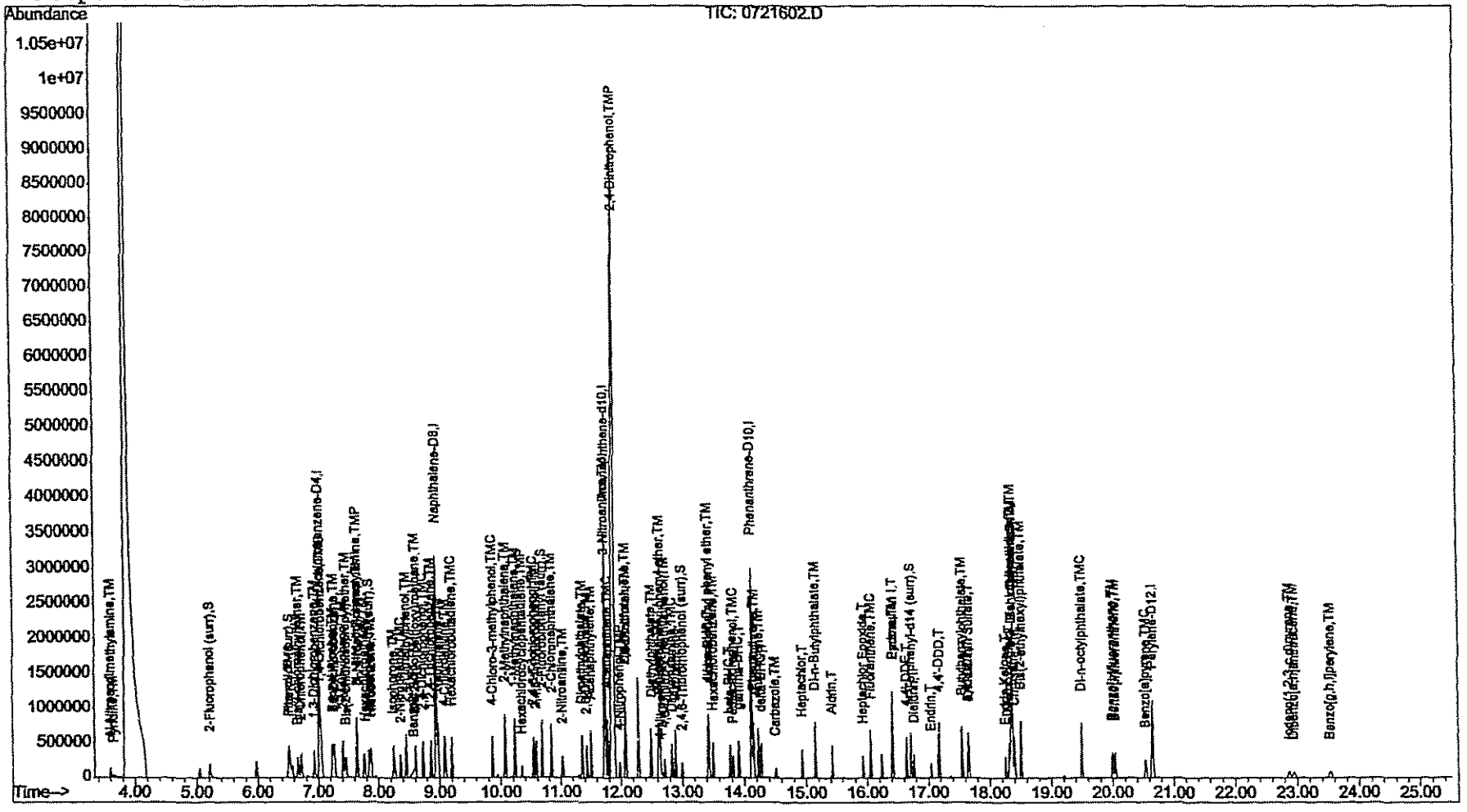
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.93	100	65538	1.11 ug/mL	97
72)	Aldrin	15.42	66	69627	1.02 ug/mL	92
73)	Heptachlor Epoxide	15.93	353	21321	1.03 ug/mL	98
74)	Endosulfan I	16.42	195	16419	0.96 ug/mL#	67
75)	4,4'-DDE	16.64	246	100530	1.04 ug/mL	98
76)	Dieldrin	16.76	79	83921	0.96 ug/mL	99
77)	Endrin	17.04	263	14470	0.96 ug/mL	98
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.17	235	177364	1.10 ug/mL#	96
80)	Endosulfan Sulfate	17.64	272	23555	1.11 ug/mL	97
81)	4,4'-DDT	17.65	235	148802	1.19 ug/mL	97
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.26	317	17604	1.13 ug/mL	98
84)	Methoxychlor	18.31	227	318092	1.29 ug/mL#	1
86)	Pyrene	16.41	202	417290	1.00 ug/mL	98
87)	Butylbenzylphthalate	17.54	149	207109	1.05 ug/mL	97
88)	Benzo[a]anthracene	18.34	228	375040	1.25 ug/mL	97
89)	3,3'-Dichlorobenzidine	18.34	252	55497	3.07 ug/mL	94
90)	Chrysene	18.40	228	304945	1.04 ug/mL	97
91)	Bis(2-ethylhexyl)phthalate	18.50	149	277881	1.09 ug/mL	99
94)	Di-n-octylphthalate	19.49	149	469566	1.08 ug/mL	100
95)	Benzo[b]fluoranthene	19.99	252	270080	1.12 ug/mL	100
96)	Benzo[k]fluoranthene	20.04	252	265271	0.98 ug/mL	97
97)	Benzo[a]pyrene	20.54	252	213913	1.12 ug/mL	95
98)	Indeno(1,2,3-c,d)pyrene	22.87	276	119284m	3.38 ug/mL	
99)	Dibenzo[a,h]anthracene	22.95	278	111382	2.90 ug/mL	97
100)	Benzo[g,h,i]perylene	23.53	276	125079	1.95 ug/mL	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6072105\0721602.D Vial: 2
Acq On : 21 Jul 2005 9:18 am Operator: MRC
Sample : SVCAL1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:14 2005 Quant Results File: 8270.RES

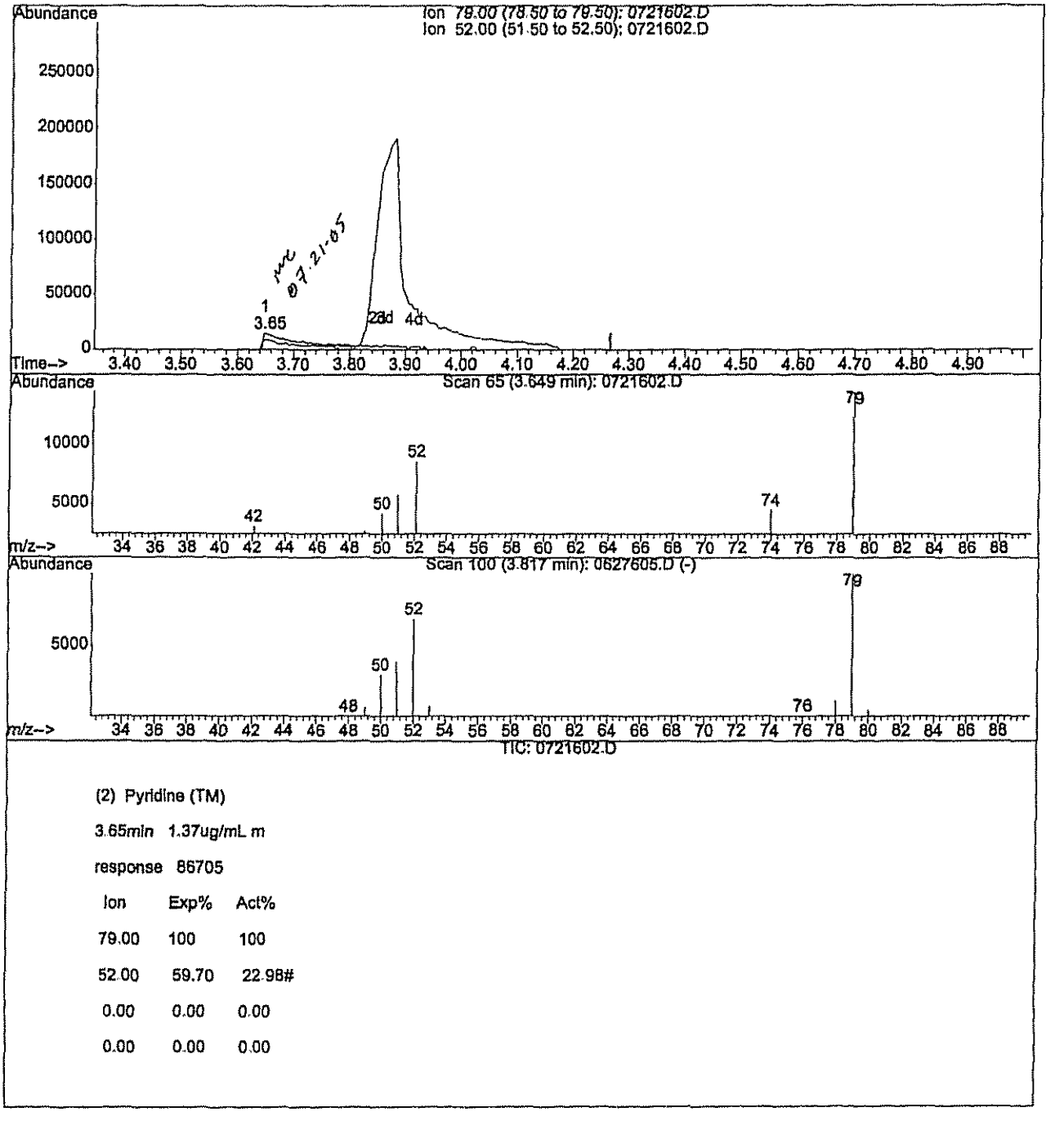
Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721602.D Vial: 2
Acq On : 21 Jul 2005 9:18 am Operator: MRC
Sample : SVCAL1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:13 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 14:19:46 2005
Response via : Multiple Level Calibration



(2) Pyridine (TM)

3.65min 1.37ug/mL m

response 86705

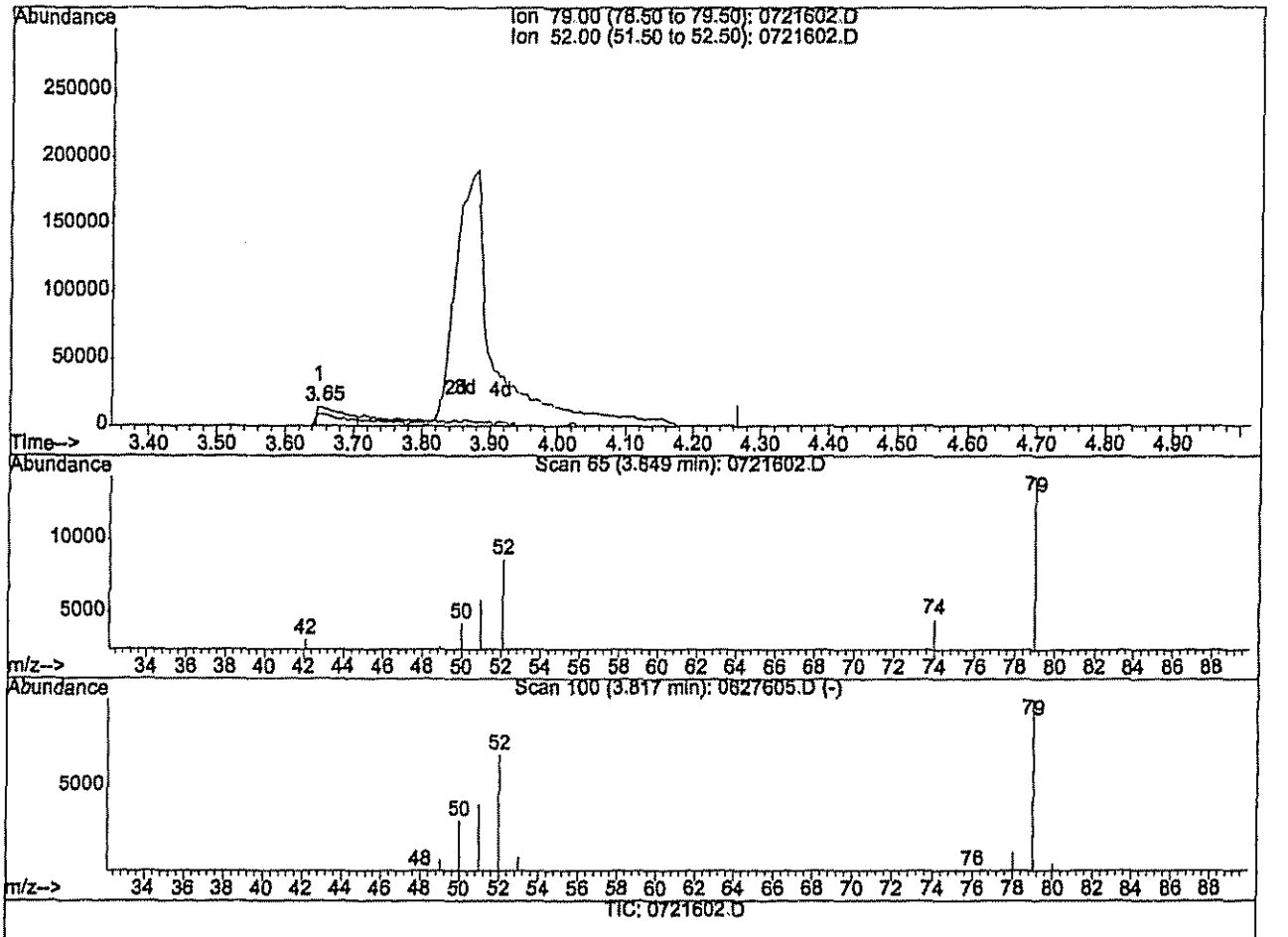
Ion	Exp%	Act%
79.00	100	100
52.00	59.70	22.98#
0.00	0.00	0.00
0.00	0.00	0.00

0721602.D 8270.M Thu Jul 21 11:13:51 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721602.D Vial: 2
Acq On : 21 Jul 2005 9:18 am Operator: MRC
Sample : SVCAL1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 9:43 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 14:19:46 2005
Response via : Multiple Level Calibration



(2) Pyridine (TM)

3.65min 0.93ug/mL

response 37944

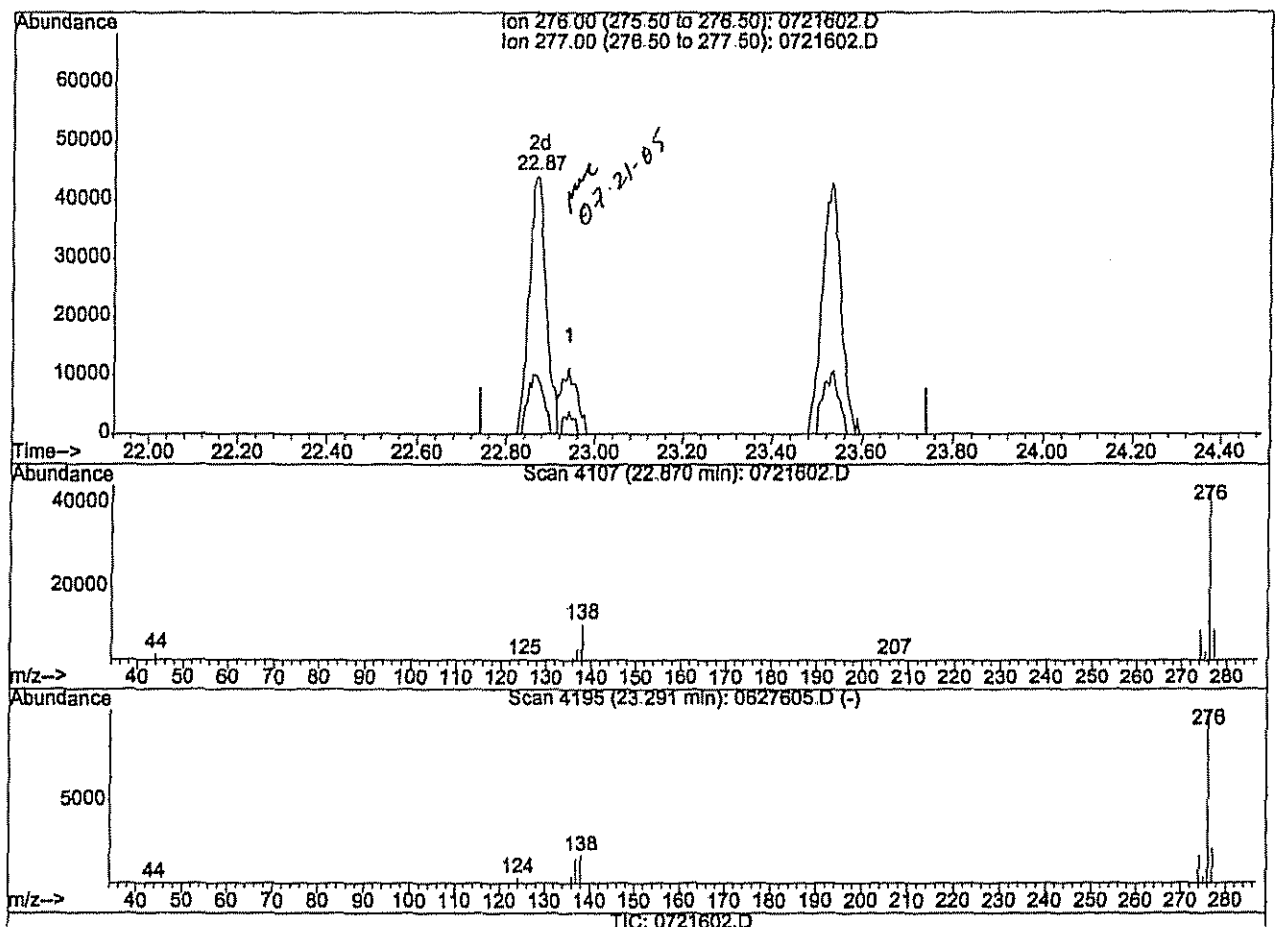
Ion	Exp%	Act%
79.00	100	100
52.00	59.70	52.51
0.00	0.00	0.00
0.00	0.00	0.00

0721602.D 8270.M Thu Jul 21 11:13:46 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721602.D Vial: 2
Acq On : 21 Jul 2005 9:18 am Operator: MRC
Sample : SVCAL1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:14 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 14:19:46 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

22.87min 3.38ug/mL m

response 119284

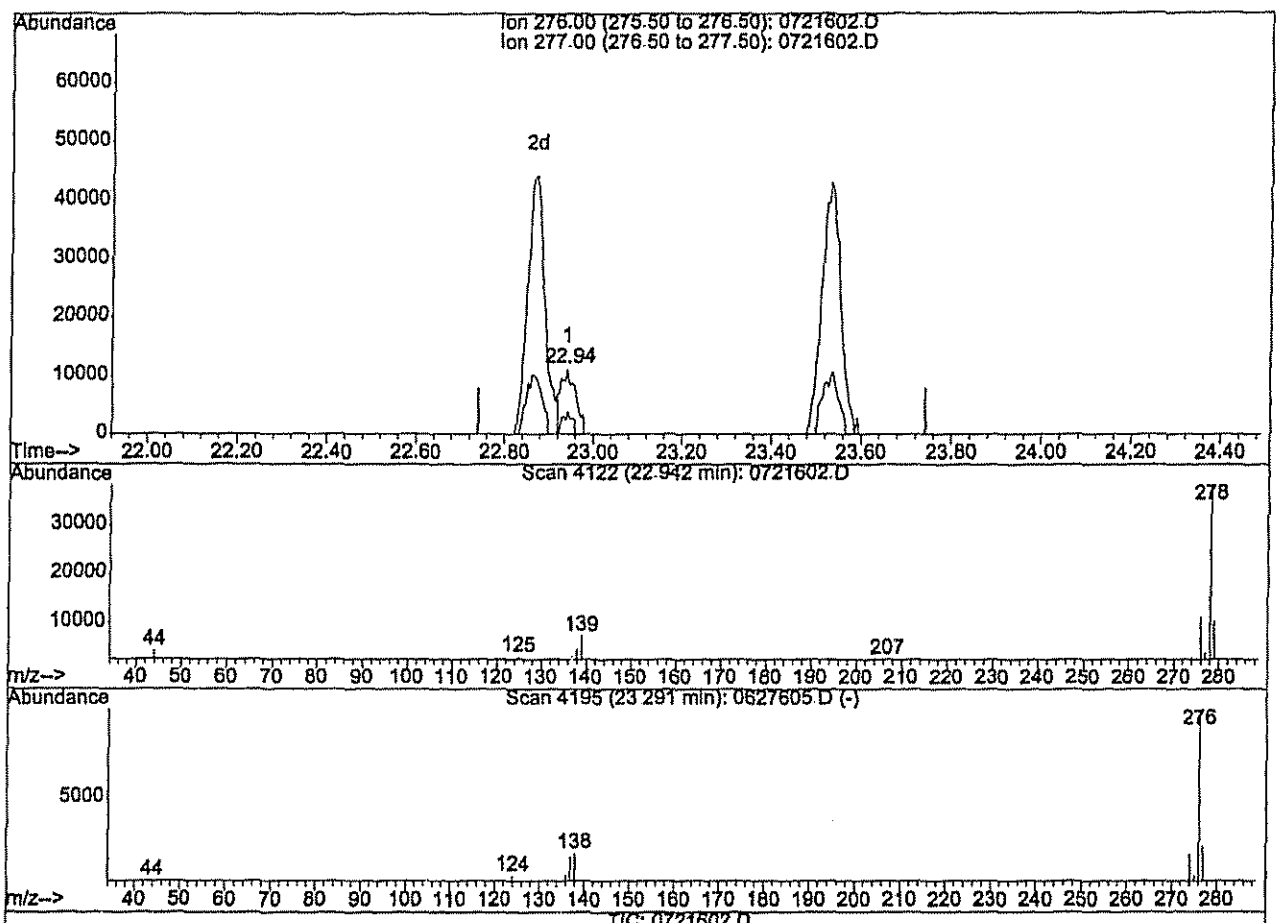
Ion	Exp%	Act%
276.00	100	100
277.00	23.60	22.10
0.00	0.00	0.00
0.00	0.00	0.00

0721602.D 8270.M Thu Jul 21 11:14:50 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721602.D Vial: 2
Acq On : 21 Jul 2005 9:18 am Operator: MRC
Sample : SVCAL1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:13 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 14:19:46 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

22.94min 2.72ug/mL

response 25575

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	35.11#
0.00	0.00	0.00
0.00	0.00	0.00

0721602.D 8270.M Thu Jul 21 11:14:42 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721603.D Vial: 3
Acq On : 21 Jul 2005 9:52 am Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:16 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:15:21 2005
Response via : Initial Calibration
DataAcq Meth : 8270

mc 07-21-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.02	152	137595	4.00	ug/mL	0.00
18) Naphthalene-D8	8.95	136	576094	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.73	164	335187	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.11	188	438153	4.00	ug/mL	0.00
85) Chrysene-D12	18.35	240	303508	4.00	ug/mL	0.00
93) Perylene-D12	20.64	264	219438	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.21	112	68061m	2.03	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	20.30%	
17) Phenol-d6 (surr)	6.51	99	111193	1.88	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	18.80%	
32) Nitrobenzene-d5 (surr)	7.85	128	40243	1.83	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	18.30%	
53) 2-Fluorobiphenyl (surr)	10.68	172	192629	1.77	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	17.70%	
54) 2,4,6-Tribromophenol (surr	12.99	330	18566	1.86	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	18.60%	
92) 4-Terphenyl-d14 (surr)	16.71	244	148246	1.88	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	18.80%	

Target Compounds						Qvalue
2) Pyridine	3.72	79	39414m	1.54	ug/mL	
3) N-Nitrosodimethylamine	3.61	74	40235	1.77	ug/mL	93
4) Phenol	6.53	94	126451	1.92	ug/mL	98
5) Bis(2-chloroethyl)ether	6.66	93	93002	1.79	ug/mL	99
6) 2-Chlorophenol	6.72	128	96861	1.94	ug/mL	98
7) Benzyl Alcohol	7.24	108	65176	1.87	ug/mL	89
8) 1,3-Dichlorobenzene	6.93	146	93006	1.94	ug/mL	95
9) 1,4-Dichlorobenzene	7.04	146	93767	1.94	ug/mL	94
10) 1,2-Dichlorobenzene	7.27	146	89177	1.98	ug/mL	99
11) 2-Methylphenol	7.41	107	78152	1.86	ug/mL	92
12) 3-, 4-Methylphenol	7.64	107	112715	1.83	ug/mL	98
13) Bis(2-chloroisopropyl)ethe	7.46	45	112011	1.85	ug/mL#	97
14) N-Nitrosodi-n-propylamine	7.65	70	60174	1.92	ug/mL	98
15) Hexachloroethane	7.77	117	36008	1.80	ug/mL	90
19) Nitrobenzene	7.88	77	106445	1.81	ug/mL	96
20) Isophorone	8.25	82	164123	1.86	ug/mL	99
21) 2-Nitrophenol	8.37	139	58235	1.95	ug/mL	96
22) 2,4-Dimethylphenol	8.46	122	74504	1.82	ug/mL	98
23) Benzoic Acid	8.56	122	33684	1.41	ug/mL	99
24) Bis(2-chloroethoxy)methane	8.61	93	111285	1.83	ug/mL	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721603.D Vial: 3
Acq On : 21 Jul 2005 9:52 am Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:16 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:15:21 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	8.73	162	77602	1.77 ug/mL	94
26) 1,2,4-Trichlorobenzene	8.86	180	87264	1.87 ug/mL	88
27) Naphthalene	8.97	128	260382	1.89 ug/mL	99
28) 4-Chloroaniline	9.08	127	52995	2.20 ug/mL	99
29) Hexachlorobutadiene	9.20	225	50458	1.82 ug/mL	96
30) 4-Chloro-3-methylphenol	9.86	107	89230	1.79 ug/mL	98
31) 2-Methylnaphthalene	10.07	142	185491	1.84 ug/mL	97
34) Hexachlorocyclopentadiene	10.34	237	14689	1.19 ug/mL#	77
35) 2,4,6-Trichlorophenol	10.53	196	58153	1.71 ug/mL	98
36) 2,4,5-Trichlorophenol	10.58	196	59288	1.75 ug/mL	99
37) 2-Chloronaphthalene	10.84	162	171426	1.84 ug/mL	99
38) 2-Nitroaniline	11.02	65	55097	1.80 ug/mL	92
39) 3-Nitroaniline	11.68	138	11590	1.43 ug/mL#	70
40) 1-Methylnaphthalene	10.23	142	169616	1.84 ug/mL	99
41) Dimethylphthalate	11.35	163	191473	1.78 ug/mL	98
42) Acenaphthylene	11.49	152	227444	1.79 ug/mL	100
43) 2,6-Dinitrotoluene	11.42	165	37854	1.62 ug/mL	96
44) Acenaphthene	11.78	153	150215	1.84 ug/mL	96
45) 2,4-Dinitrophenol	11.87	184	13480	1.40 ug/mL#	76
46) 4-Nitrophenol	11.98	109	19341	1.46 ug/mL	91
47) Dibenzofuran	12.07	168	243893	1.83 ug/mL	100
48) 2,4-Dinitrotoluene	12.07	165	47005	1.62 ug/mL#	92
49) Fluorene	12.61	166	176537	1.87 ug/mL	93
50) Diethylphthalate	12.49	149	172906	1.81 ug/mL	98
51) 4-Chlorophenyl phenyl ethe	12.64	204	95598	1.90 ug/mL	89
52) 4-Nitroaniline	12.66	138	16535	1.49 ug/mL	98
56) 4,6-Dinitro-2-methylphenol	12.71	198	19251	1.34 ug/mL	89
57) Diphenylamine	12.83	169	105755	2.23 ug/mL	95
58) 4-bromophenyl phenyl ether	13.42	248	52790	2.05 ug/mL	85
59) Hexachlorobenzene	13.50	284	46374	1.83 ug/mL	99
60) Pentachlorophenol	13.82	266	24584	1.51 ug/mL	92
61) Phenanthrene	14.14	178	224722	1.88 ug/mL	97
62) Carbazole	14.50	167	111646	2.71 ug/mL	99
63) Anthracene	14.22	178	205571	1.83 ug/mL	98
64) Azobenzene	12.89	77	198718	1.94 ug/mL	99
65) Di-n-Butylphthalate	15.14	149	278077	1.90 ug/mL	99
66) Fluoranthene	16.05	202	220202	1.90 ug/mL	98
67) alpha-BHC	13.43	183	36102	1.83 ug/mL	95
68) beta-BHC	13.77	181	27151	1.86 ug/mL	94
69) gamma-BHC	13.91	183	27144	1.72 ug/mL	86
70) delta-BHC	14.27	183	24996	1.79 ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721603.D Vial: 3
Acq On : 21 Jul 2005 9:52 am Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:16 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:15:21 2005
Response via : Initial Calibration
DataAcq Meth : 8270

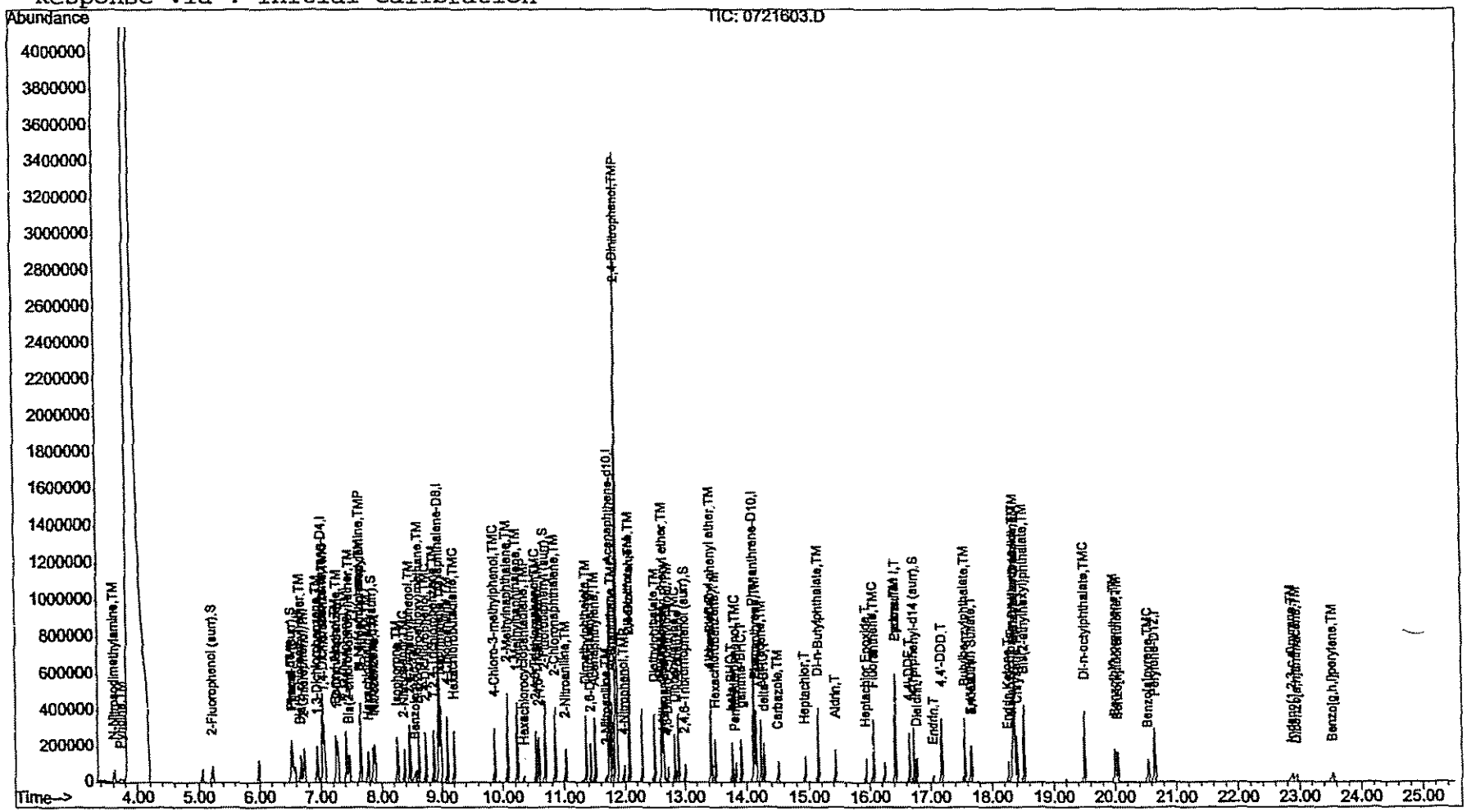
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71) Heptachlor	14.93	100	32349	1.78 ug/mL	98
72) Aldrin	15.42	66	36921	1.91 ug/mL	95
73) Heptachlor Epoxide	15.93	353	12141	2.05 ug/mL	93
74) Endosulfan I	16.42	195	9346	2.05 ug/mL#	73
75) 4,4'-DDE	16.64	246	49144	1.76 ug/mL	92
76) Dieldrin	16.76	79	47157	2.02 ug/mL	93
77) Endrin	17.04	263	6194	1.54 ug/mL#	72
78) Endosulfan II	0.00	30	0	N.D.	
79) 4,4'-DDD	17.17	235	91992	1.87 ug/mL#	100
80) Endosulfan Sulfate	17.64	272	11062	1.69 ug/mL#	89
81) 4,4'-DDT	17.65	235	66412	1.61 ug/mL	99
82) Endrin Aldehyde	0.00	30	0	N.D.	
83) Endrin Ketone	18.25	317	8277	1.69 ug/mL#	79
84) Methoxychlor	18.31	227	145590	1.65 ug/mL	90
86) Pyrene	16.41	202	221497	1.94 ug/mL	99
87) Butylbenzylphthalate	17.54	149	105786	1.87 ug/mL	100
88) Benzo[a]anthracene	18.34	228	187389	1.83 ug/mL	98
89) 3,3'-Dichlorobenzidine	18.34	252	30959	2.04 ug/mL	91
90) Chrysene	18.39	228	156964	1.89 ug/mL	99
91) Bis(2-ethylhexyl)phthalate	18.50	149	148303	1.96 ug/mL	96
94) Di-n-octylphthalate	19.49	149	242403	1.87 ug/mL	100
95) Benzo[b]fluoranthene	19.99	252	142160	1.91 ug/mL	96
96) Benzo[k]fluoranthene	20.04	252	135906	1.86 ug/mL	99
97) Benzo[a]pyrene	20.53	252	111774	1.89 ug/mL	97
98) Indeno(1,2,3-c,d)pyrene	22.87	276	63568	1.93 ug/mL	97
99) Dibenzo[a,h]anthracene	22.94	278	54003	1.76 ug/mL#	88
100) Benzo[g,h,i]perylene	23.53	276	67752	1.96 ug/mL#	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6072105\0721603.D Vial: 3
Acq On : 21 Jul 2005 9:52 am Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:16 2005 Quant Results File: 8270.RES

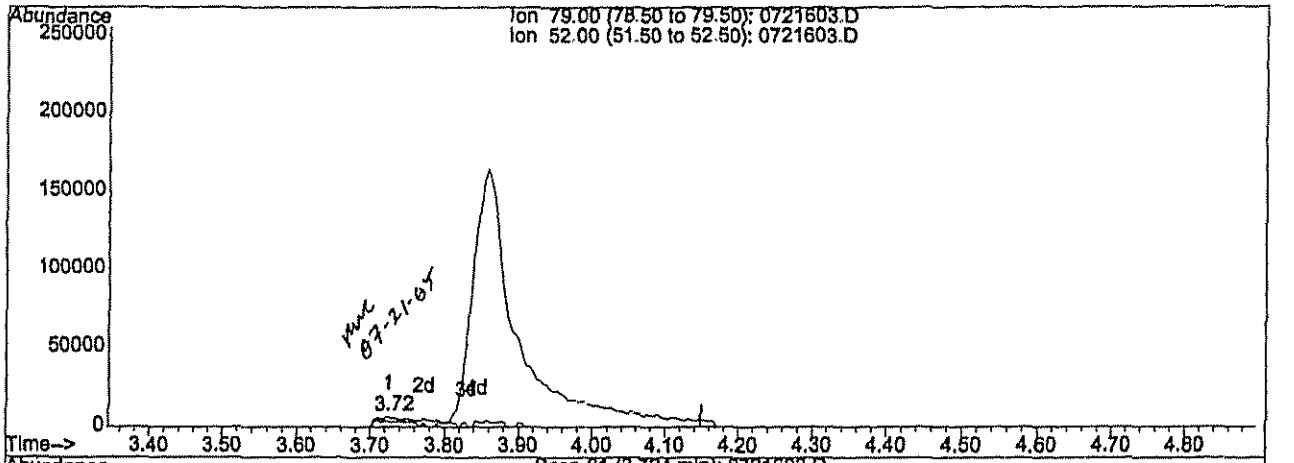
Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration

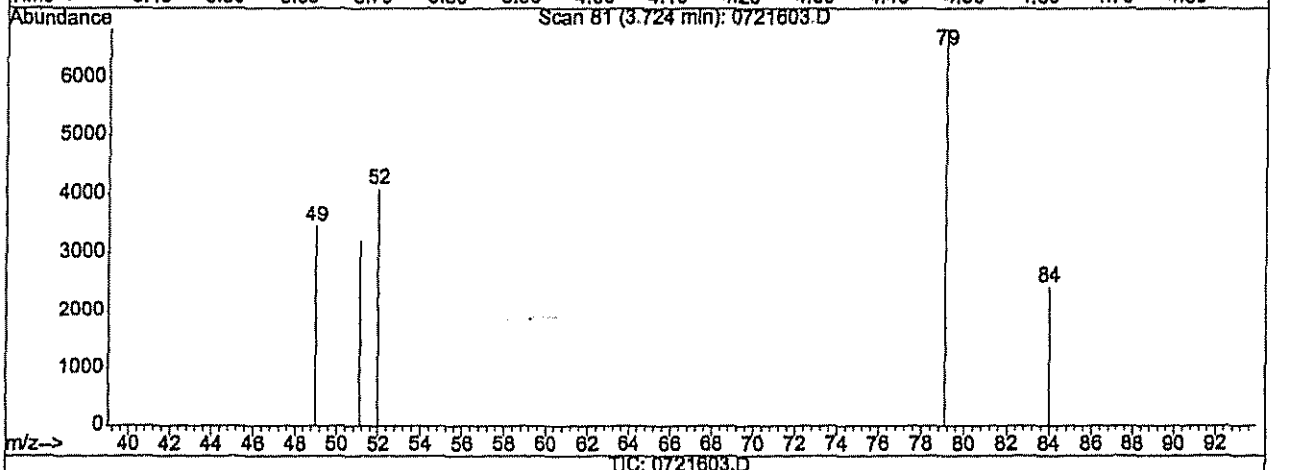


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721603.D Vial: 3
Acq On : 21 Jul 2005 9:52 am Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:16 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:15:21 2005
Response via : Multiple Level Calibration





(2) Pyridine (TM)

3.72min 1.54ug/mL m

response 39414

Ion	Exp%	Act%
79.00	100	100
52.00	23.00	10.35#
0.00	0.00	0.00
0.00	0.00	0.00

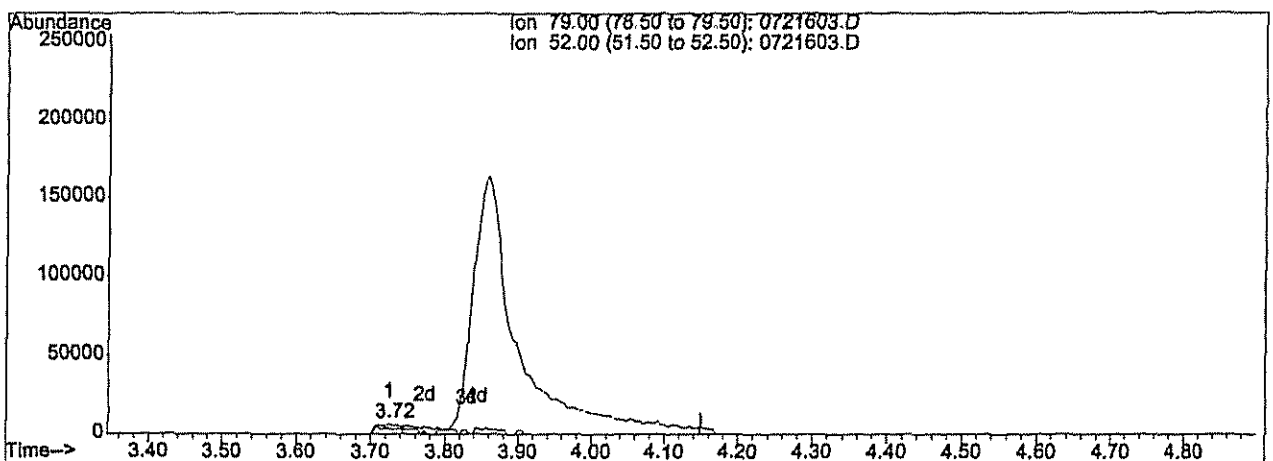
0721603.D 8270.M Thu Jul 21 11:16:05 2005 ENV

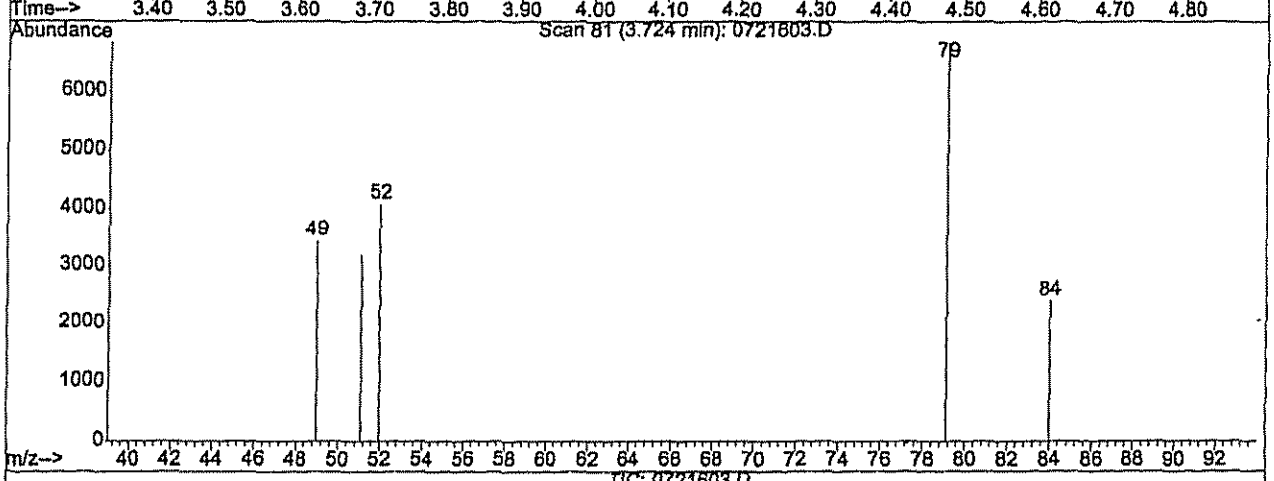
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721603.D
Acq On : 21 Jul 2005 9:52 am
Sample : SVCAL2
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:15 2005

Vial: 3
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:15:21 2005
Response via : Multiple Level Calibration





(2) Pyridine (TM)

3.72min 0.53ug/mL

response 13566

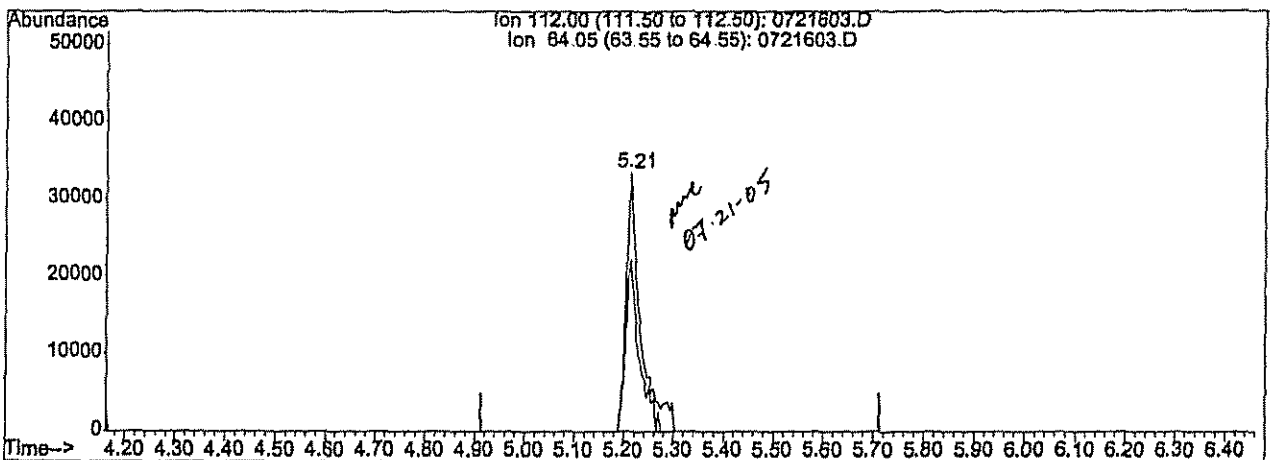
Ion	Exp%	Act%
79.00	100	100
52.00	23.00	30.06#
0.00	0.00	0.00
0.00	0.00	0.00

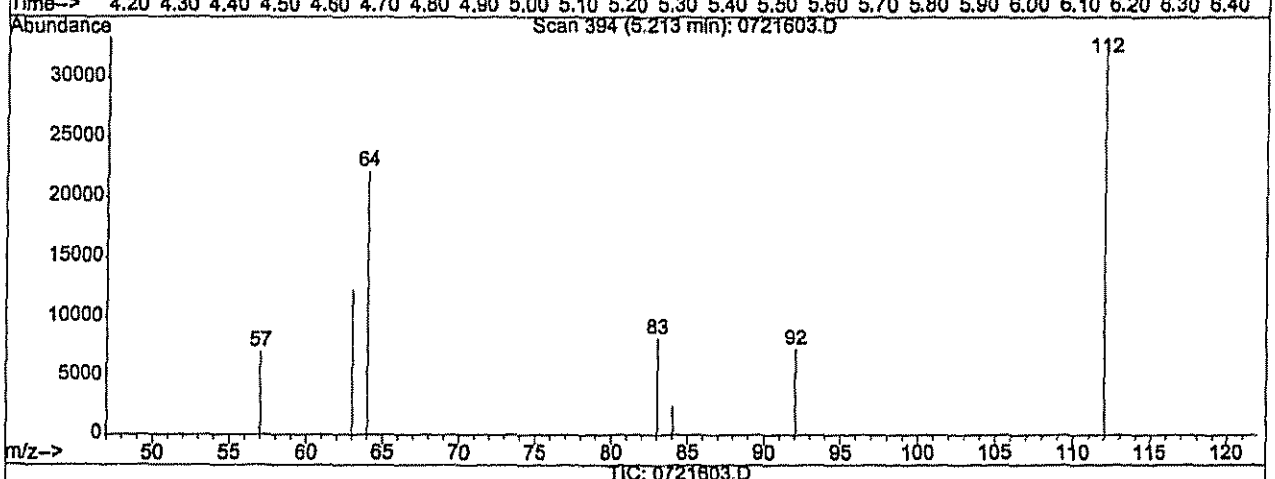
0721603.D 8270.M Thu Jul 21 11:15:59 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721603.D Vial: 3
Acq On : 21 Jul 2005 9:52 am Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:16 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:15:21 2005
Response via : Multiple Level Calibration





(16) 2-Fluorophenol (surr) (S)

5.21min 2.03ug/mL m

response 68061

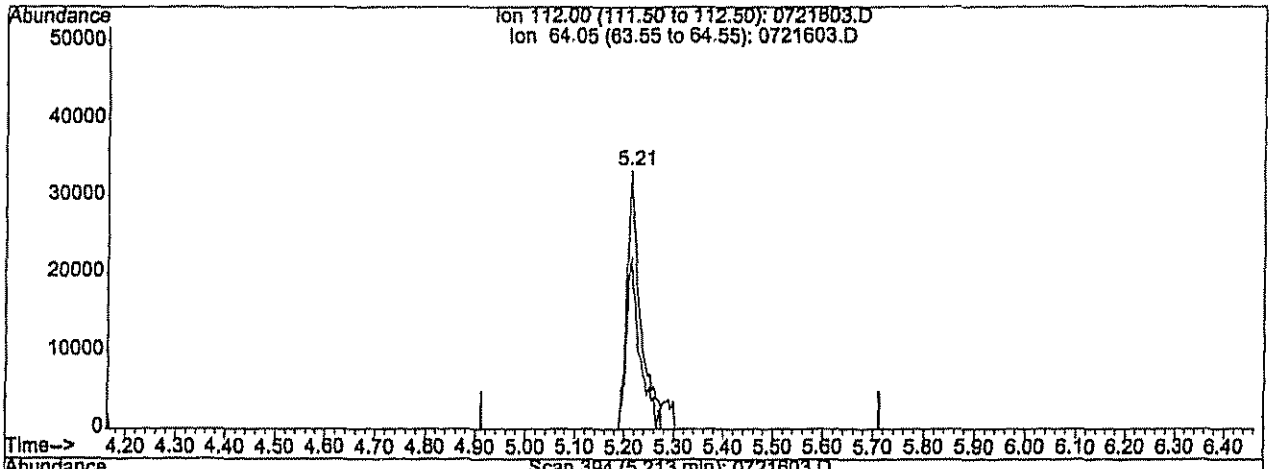
Ion	Exp%	Act%
112.00	100	100
64.05	66.10	61.34
0.00	0.00	0.00
0.00	0.00	0.00

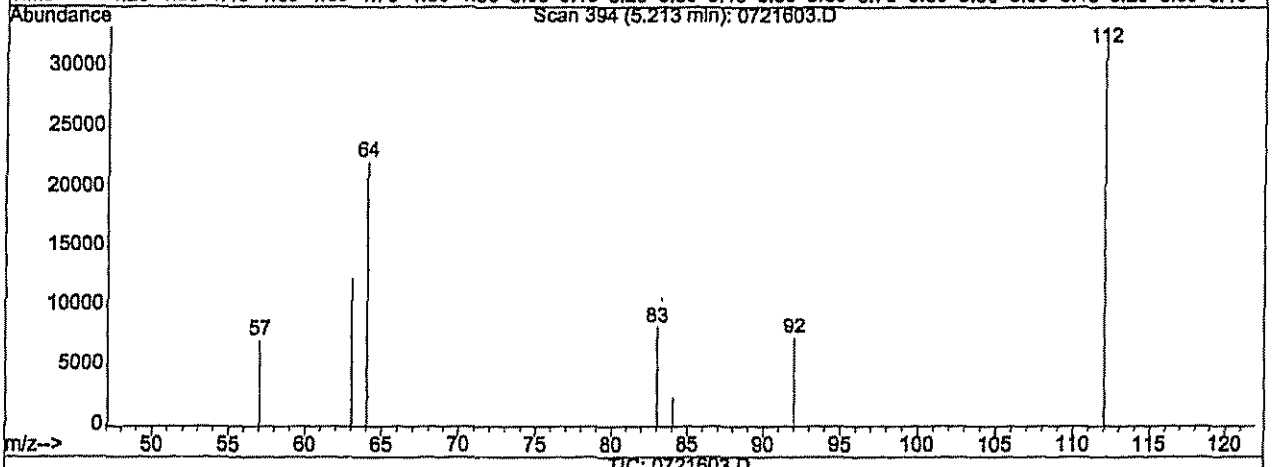
0721603.D 8270.M Thu Jul 21 11:16:21 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721603.D Vial: 3
Acq On : 21 Jul 2005 9:52 am Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:16 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:15:21 2005
Response via : Multiple Level Calibration





TIC: 0721603.D

(16) 2-Fluorophenol (surr) (S)

5.21min 1.89ug/mL

response 63160

Ion	Exp%	Act%
112.00	100	100
64.05	66.10	66.10
0.00	0.00	0.00
0.00	0.00	0.00

0721603.D 8270.M Thu Jul 21 11:16:18 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721604.D Vial: 4
Acq On : 21 Jul 2005 10:25 am Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:18 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:17:27 2005
Response via : Initial Calibration
DataAcq Meth : 8270

WMC 07-21-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.02	152	149568	4.00	ug/mL	0.00
18) Naphthalene-D8	8.94	136	605817	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.73	164	352040	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.11	188	487476	4.00	ug/mL	0.00
85) Chrysene-D12	18.35	240	338564	4.00	ug/mL	0.00
93) Perylene-D12	20.64	264	242659	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.22	112	151709m	4.14	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	41.40%	
17) Phenol-d6 (surr)	6.51	99	235734	3.78	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	37.80%	
32) Nitrobenzene-d5 (surr)	7.85	128	85170	3.85	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	38.50%	
53) 2-Fluorobiphenyl (surr)	10.68	172	401970	3.73	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	37.30%	
54) 2,4,6-Tribromophenol (surr	13.00	330	39788	3.93	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	39.30%	
92) 4-Terphenyl-d14 (surr)	16.71	244	333103	3.90	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	39.00%	
Target Compounds						Qvalue
2) Pyridine	3.63	79	142950m	5.81	ug/mL	
3) N-Nitrosodimethylamine	3.61	74	98884	4.24	ug/mL	91
4) Phenol	6.53	94	268858	3.83	ug/mL	98
5) Bis(2-chloroethyl)ether	6.66	93	201978	3.77	ug/mL	97
6) 2-Chlorophenol	6.71	128	203616	3.81	ug/mL	95
7) Benzyl Alcohol	7.24	108	139753	3.81	ug/mL	99
8) 1,3-Dichlorobenzene	6.94	146	200228	3.90	ug/mL	97
9) 1,4-Dichlorobenzene	7.04	146	207813	4.01	ug/mL	88
10) 1,2-Dichlorobenzene	7.26	146	187276	3.85	ug/mL	98
11) 2-Methylphenol	7.41	107	167776	3.80	ug/mL	88
12) 3-, 4-Methylphenol	7.64	107	241489	3.77	ug/mL	97
13) Bis(2-chloroisopropyl)ethe	7.46	45	246810	3.90	ug/mL	97
14) N-Nitrosodi-n-propylamine	7.65	70	124959	3.74	ug/mL	98
15) Hexachloroethane	7.76	117	76732	3.71	ug/mL	91
19) Nitrobenzene	7.88	77	228391	3.88	ug/mL	99
20) Isophorone	8.25	82	341422	3.81	ug/mL	100
21) 2-Nitrophenol	8.36	139	119028	3.84	ug/mL#	89
22) 2,4-Dimethylphenol	8.45	122	157713	3.83	ug/mL	95
23) Benzoic Acid	8.59	122	83267	3.88	ug/mL	97
24) Bis(2-chloroethoxy)methane	8.61	93	233548	3.81	ug/mL	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721604.D Vial: 4
Acq On : 21 Jul 2005 10:25 am Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:18 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:17:27 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	8.73	162	164209	3.78 ug/mL	96
26) 1,2,4-Trichlorobenzene	8.86	180	171359	3.61 ug/mL	89
27) Naphthalene	8.98	128	533282	3.79 ug/mL	98
28) 4-Chloroaniline	9.09	127	86134	3.24 ug/mL	97
29) Hexachlorobutadiene	9.20	225	111215	3.99 ug/mL	94
30) 4-Chloro-3-methylphenol	9.86	107	190444	3.83 ug/mL	98
31) 2-Methylnaphthalene	10.07	142	390071	3.83 ug/mL	93
34) Hexachlorocyclopentadiene	10.34	237	34414	3.32 ug/mL#	78
35) 2,4,6-Trichlorophenol	10.54	196	125960	3.80 ug/mL	98
36) 2,4,5-Trichlorophenol	10.58	196	128139	3.84 ug/mL	99
37) 2-Chloronaphthalene	10.84	162	345578	3.67 ug/mL	97
38) 2-Nitroaniline	11.02	65	117335	3.84 ug/mL	93
39) 3-Nitroaniline	11.69	138	22014	3.01 ug/mL	91
40) 1-Methylnaphthalene	10.23	142	345399	3.72 ug/mL	99
41) Dimethylphthalate	11.35	163	397989	3.73 ug/mL	99
42) Acenaphthylene	11.50	152	464053	3.67 ug/mL	98
43) 2,6-Dinitrotoluene	11.43	165	83510	3.76 ug/mL	89
44) Acenaphthene	11.78	153	313621	3.81 ug/mL	98
45) 2,4-Dinitrophenol	11.87	184	36341	4.23 ug/mL	96
46) 4-Nitrophenol	11.98	109	47829	3.97 ug/mL	95
47) Dibenzofuran	12.06	168	502932	3.75 ug/mL	100
48) 2,4-Dinitrotoluene	12.07	165	109453	3.96 ug/mL#	87
49) Fluorene	12.61	166	377777	3.94 ug/mL	97
50) Diethylphthalate	12.50	149	372024	3.90 ug/mL	98
51) 4-Chlorophenyl phenyl ethe	12.64	204	196857	3.82 ug/mL	93
52) 4-Nitroaniline	12.67	138	43690	4.29 ug/mL#	82
56) 4,6-Dinitro-2-methylphenol	12.71	198	55106	4.13 ug/mL	89
57) Diphenylamine	12.83	169	212564	3.81 ug/mL	96
58) 4-bromophenyl phenyl ether	13.42	248	110867	3.82 ug/mL	91
59) Hexachlorobenzene	13.50	284	102109	3.78 ug/mL	99
60) Pentachlorophenol	13.82	266	65939	4.16 ug/mL	98
61) Phenanthrene	14.15	178	490440	3.80 ug/mL	97
62) Carbazole	14.50	167	172246	3.19 ug/mL	97
63) Anthracene	14.23	178	443698	3.71 ug/mL	98
64) Azobenzene	12.89	77	426922	3.80 ug/mL	99
65) Di-n-Butylphthalate	15.14	149	593125	3.73 ug/mL	99
66) Fluoranthene	16.05	202	487292	3.87 ug/mL	98
67) alpha-BHC	13.43	183	77548	3.69 ug/mL	97
68) beta-BHC	13.77	181	62529	3.99 ug/mL	97
69) gamma-BHC	13.91	183	63306	3.88 ug/mL	93
70) delta-BHC	14.27	183	55625	3.78 ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721604.D Vial: 4
Acq On : 21 Jul 2005 10:25 am Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:18 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:17:27 2005
Response via : Initial Calibration
DataAcq Meth : 8270

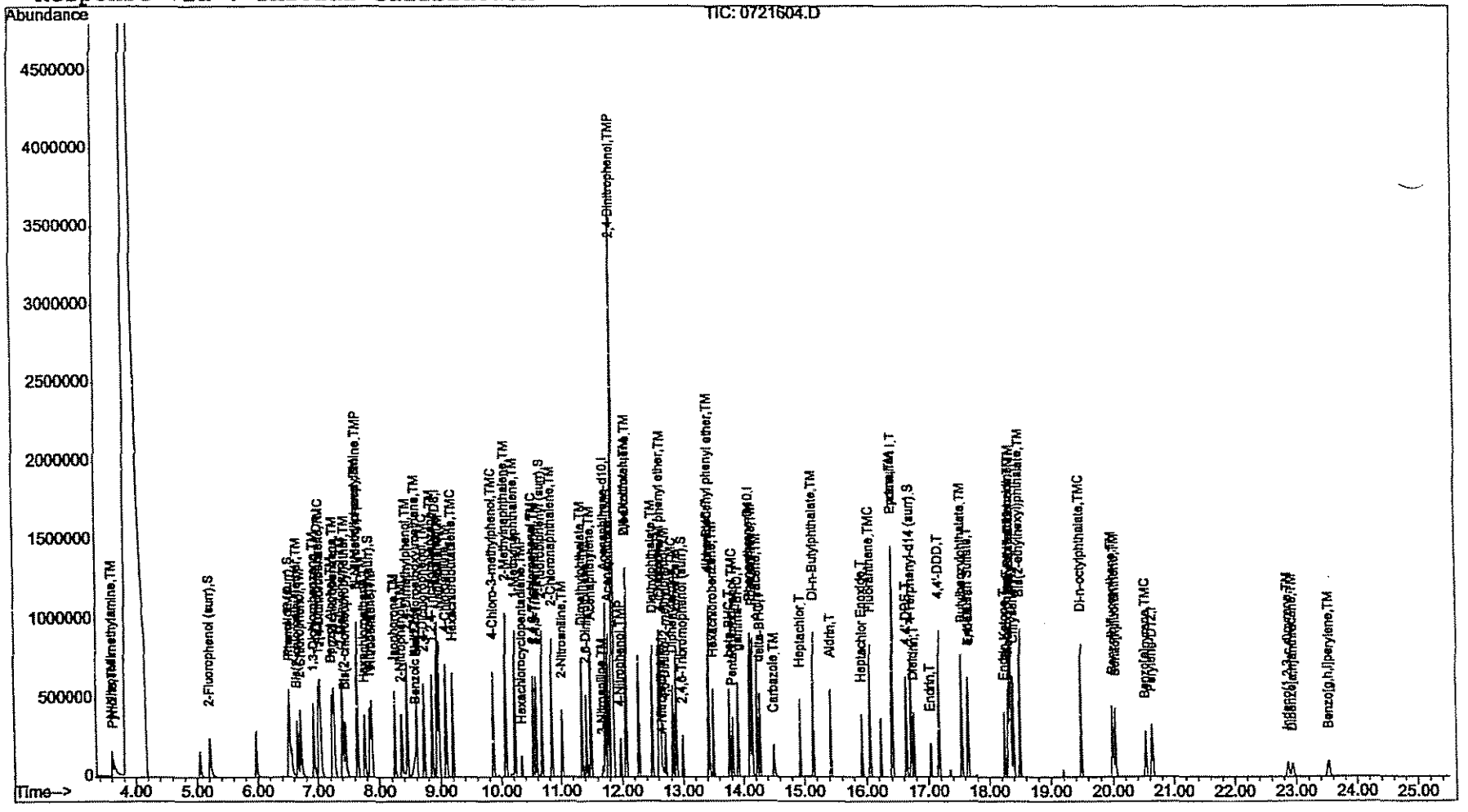
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Heptachlor	14.93	100	71282	3.73	ug/mL	96
72)	Aldrin	15.42	66	79432	3.78	ug/mL	94
73)	Heptachlor Epoxide	15.93	353	26939	4.04	ug/mL	95
74)	Endosulfan I	16.41	195	19790	3.85	ug/mL#	100
75)	4,4'-DDE	16.64	246	114389	3.92	ug/mL	95
76)	Dieldrin	16.76	79	96440	3.70	ug/mL#	93
77)	Endrin	17.04	263	15643	3.95	ug/mL#	82
78)	Endosulfan II	0.00	30	0	N.D.		
79)	4,4'-DDD	17.18	235	205200	3.87	ug/mL#	100
80)	Endosulfan Sulfate	17.64	272	25541	3.80	ug/mL#	71
81)	4,4'-DDT	17.66	235	152183	3.67	ug/mL	98
82)	Endrin Aldehyde	0.00	30	0	N.D.		
83)	Endrin Ketone	18.25	317	21309	4.24	ug/mL#	77
84)	Methoxychlor	18.31	227	329395	3.67	ug/mL	100
86)	Pyrene	16.41	202	488255	3.90	ug/mL	99
87)	Butylbenzylphthalate	17.55	149	230755	3.78	ug/mL	95
88)	Benzo[a]anthracene	18.34	228	424939	3.89	ug/mL	99
89)	3,3'-Dichlorobenzidine	18.34	252	64256	3.76	ug/mL	91
90)	Chrysene	18.39	228	352122	3.90	ug/mL	100
91)	Bis(2-ethylhexyl)phthalate	18.50	149	316857	3.79	ug/mL	96
94)	Di-n-octylphthalate	19.49	149	529972	3.82	ug/mL	100
95)	Benzo[b]fluoranthene	19.99	252	325588	4.04	ug/mL	98
96)	Benzo[k]fluoranthene	20.03	252	310163	3.97	ug/mL	99
97)	Benzo[a]pyrene	20.53	252	244837	3.85	ug/mL#	97
98)	Indeno(1,2,3-c,d)pyrene	22.87	276	129720	3.63	ug/mL	100
99)	Dibenzo[a,h]anthracene	22.94	278	114360	3.58	ug/mL#	91
100)	Benzo[g,h,i]perylene	23.53	276	136815	3.62	ug/mL#	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6072105\0721604.D Vial: 4
Acq On : 21 Jul 2005 10:25 am Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:18 2005 Quant Results File: 8270.RES

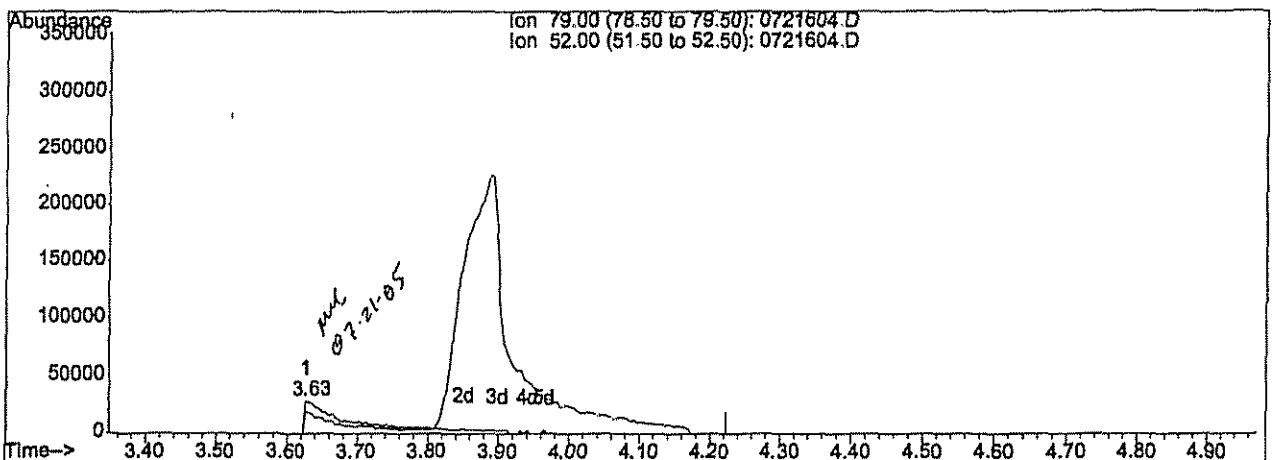
Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721604.D Vial: 4
Acq On : 21 Jul 2005 10:25 am Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:18 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:17:27 2005
Response via : Multiple Level Calibration



(2) Pyridine (TM)

3.63min 5.81ug/mL m

response 142950

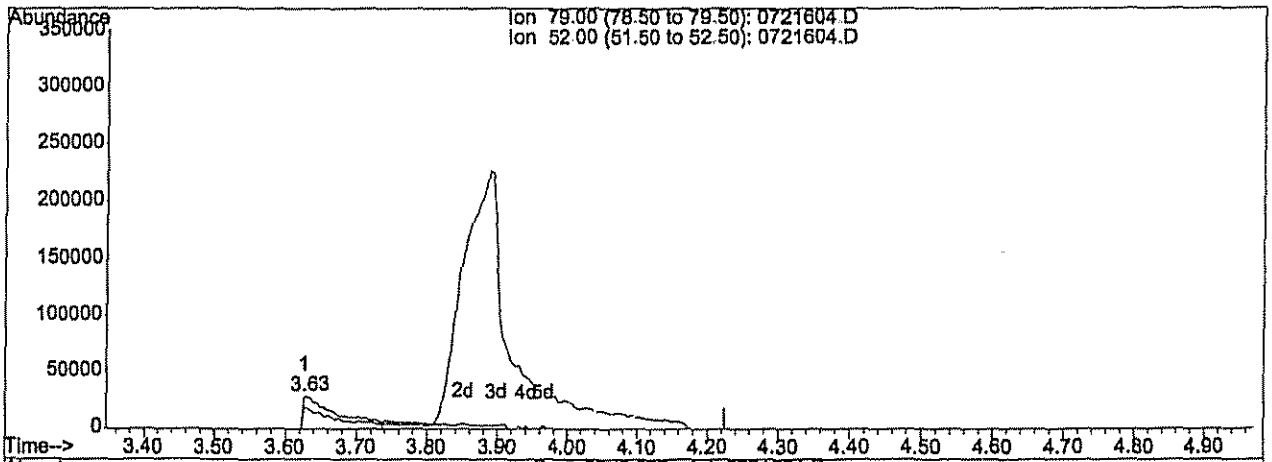
Ion	Exp%	Act%
79.00	100	100
52.00	10.30	35.70#
0.00	0.00	0.00
0.00	0.00	0.00

0721604.D 8270.M Thu Jul 21 11:18:02 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721604.D Vial: 4
Acq On : 21 Jul 2005 10:25 am Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:17 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:17:27 2005
Response via : Multiple Level Calibration



(2) Pyridine (TM)

3.63min 3.97ug/mL

response 97610

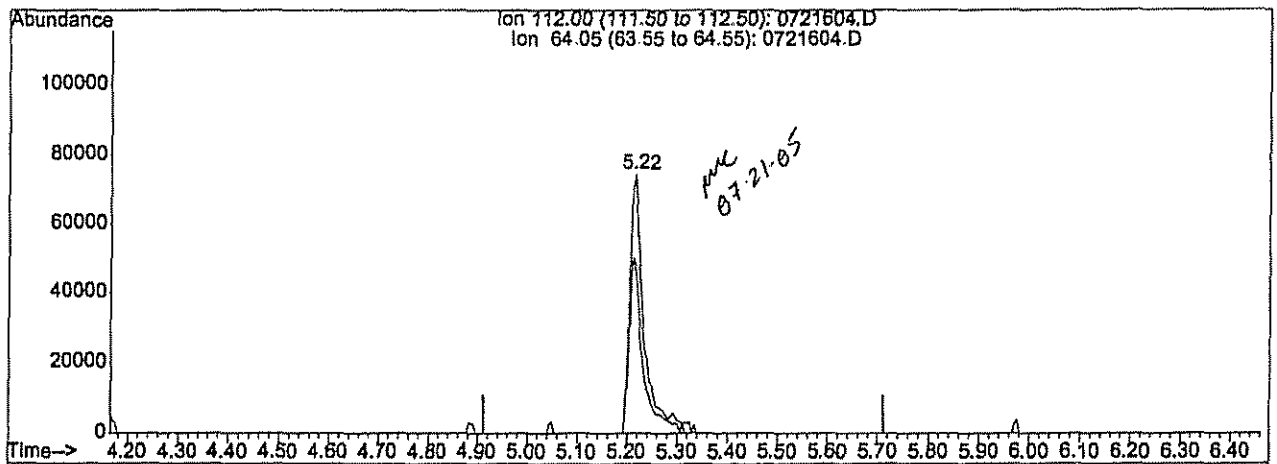
Ion	Exp%	Act%
79.00	100	100
52.00	10.30	52.29#
0.00	0.00	0.00
0.00	0.00	0.00

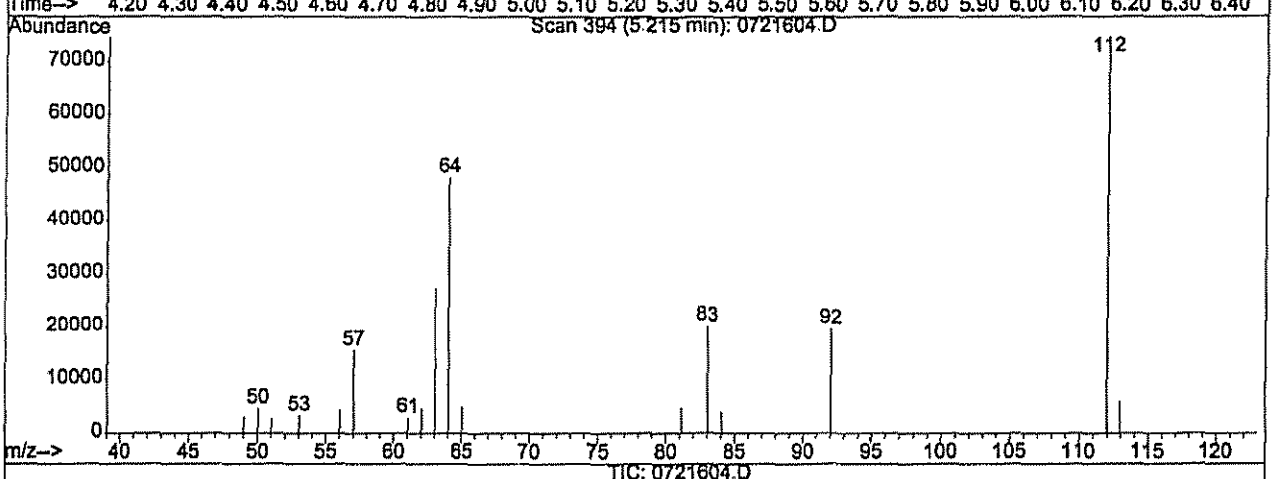
0721604.D 8270.M Thu Jul 21 11:17:57 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721604.D Vial: 4
Acq On : 21 Jul 2005 10:25 am Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:18 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:17:27 2005
Response via : Multiple Level Calibration





(16) 2-Fluorophenol (surr) (S)

5.22min 4.14ug/mL m

response 151709

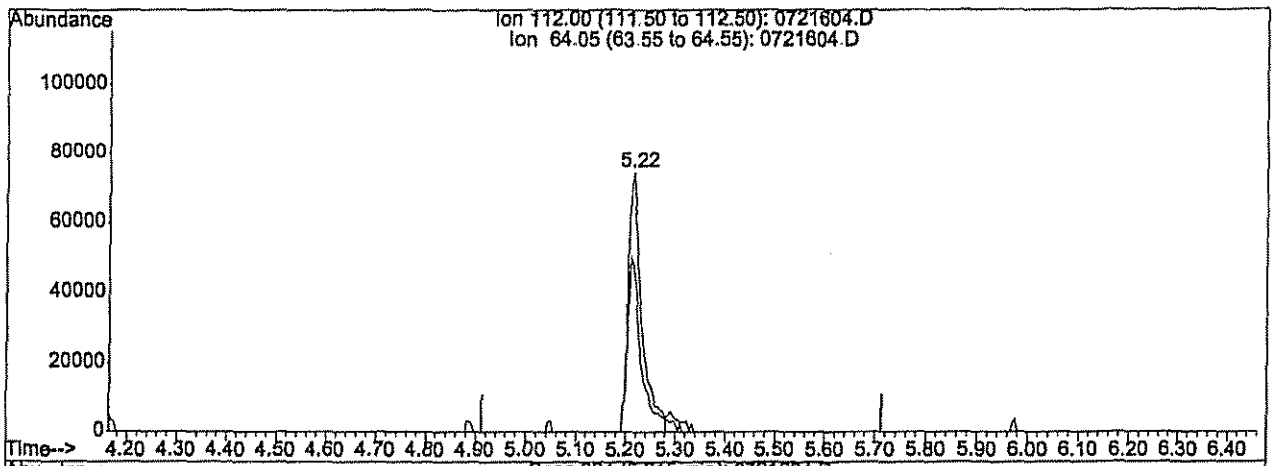
Ion	Exp%	Act%
112.00	100	100
64.05	61.30	64.80
0.00	0.00	0.00
0.00	0.00	0.00

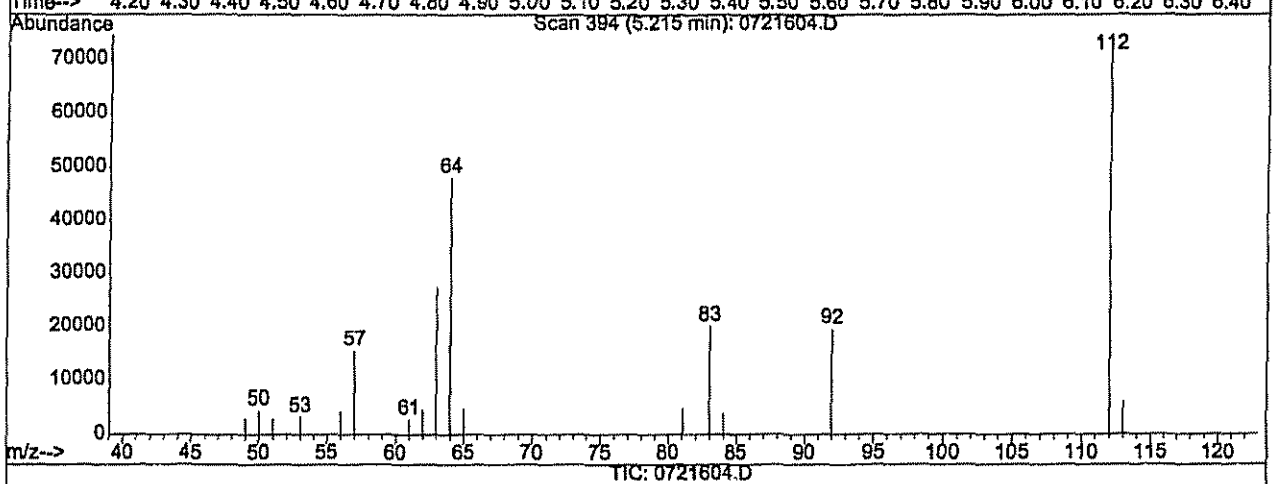
0721604.D 8270.M Thu Jul 21 11:18:16 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721604.D Vial: 4
Acq On : 21 Jul 2005 10:25 am Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:18 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:17:27 2005
Response via : Multiple Level Calibration





TIC: 0721604.D

(16) 2-Fluorophenol (surr) (S)

5.22min 3.85ug/mL

response 141281

Ion	Exp%	Act%
112.00	100	100
64.05	61.30	69.59
0.00	0.00	0.00
0.00	0.00	0.00

0721604.D 8270.M Thu Jul 21 11:18:13 2005 ENV

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721605.D Vial: 5
Acq On : 21 Jul 2005 11:00 am Operator: MRC
Sample : SVCAL6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 13:46 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:19:10 2005
Response via : Initial Calibration
DataAcq Meth : 8270

mmc 07-21-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.02	152	124846	4.00	ug/mL	0.00
18) Naphthalene-D8	8.95	136	502739	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.73	164	290095	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.11	188	392326	4.00	ug/mL	0.00
85) Chrysene-D12	18.36	240	280892	4.00	ug/mL	0.00
93) Perylene-D12	20.64	264	194777	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.21	112	189995m	6.14	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	61.40%	
17) Phenol-d6 (surr)	6.51	99	305401	5.98	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	59.80%	
32) Nitrobenzene-d5 (surr)	7.85	128	112179	6.19	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	61.90%	
53) 2-Fluorobiphenyl (surr)	10.68	172	509360	5.87	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	58.70%	
54) 2,4,6-Tribromophenol (surr	13.00	330	49974	6.03	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	60.30%	
92) 4-Terphenyl-d14 (surr)	16.72	244	413385	5.88	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	58.80%	
Target Compounds						Qvalue
2) Pyridine	3.62	79	177790m	7.52	ug/mL	
3) N-Nitrosodimethylamine	3.61	74	125692	6.33	ug/mL	98
4) Phenol	6.53	94	345993	5.99	ug/mL	97
5) Bis(2-chloroethyl)ether	6.66	93	258837	5.90	ug/mL	99
6) 2-Chlorophenol	6.71	128	263371	6.00	ug/mL	98
7) Benzyl Alcohol	7.24	108	182933	6.07	ug/mL	98
8) 1,3-Dichlorobenzene	6.93	146	252243	5.94	ug/mL	99
9) 1,4-Dichlorobenzene	7.04	146	259311	5.99	ug/mL	92
10) 1,2-Dichlorobenzene	7.27	146	236586	5.90	ug/mL	98
11) 2-Methylphenol	7.41	107	214676	5.93	ug/mL	95
12) 3-, 4-Methylphenol	7.64	107	306875	5.85	ug/mL#	92
13) Bis(2-chloroisopropyl)ethe	7.46	45	309611	5.91	ug/mL	98
14) N-Nitrosodi-n-propylamine	7.65	70	164676	6.04	ug/mL	99
15) Hexachloroethane	7.77	117	99221	5.89	ug/mL	98
19) Nitrobenzene	7.88	77	296698	6.13	ug/mL	98
20) Isophorone	8.25	82	443933	6.07	ug/mL	99
21) 2-Nitrophenol	8.36	139	142362	5.61	ug/mL	96
22) 2,4-Dimethylphenol	8.46	122	198582	5.90	ug/mL	91
23) Benzoic Acid	8.60	122	111600	6.33	ug/mL	98
24) Bis(2-chloroethoxy)methane	8.61	93	295998	5.92	ug/mL	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721605.D Vial: 5
Acq On : 21 Jul 2005 11:00 am Operator: MRC
Sample : SVCAL6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 13:46 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:19:10 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	8.73	162	218215	6.16 ug/mL	99
26) 1,2,4-Trichlorobenzene	8.86	180	222126	5.83 ug/mL	99
27) Naphthalene	8.98	128	685904	5.98 ug/mL	99
28) 4-Chloroaniline	9.09	127	139615	6.76 ug/mL	98
29) Hexachlorobutadiene	9.20	225	138870	6.01 ug/mL	98
30) 4-Chloro-3-methylphenol	9.86	107	246990	6.07 ug/mL	94
31) 2-Methylnaphthalene	10.07	142	494923	5.94 ug/mL	95
34) Hexachlorocyclopentadiene	10.34	237	48241	5.99 ug/mL#	97
35) 2,4,6-Trichlorophenol	10.53	196	162929	6.07 ug/mL	98
36) 2,4,5-Trichlorophenol	10.58	196	163140	6.01 ug/mL	96
37) 2-Chloronaphthalene	10.84	162	440110	5.84 ug/mL	98
38) 2-Nitroaniline	11.02	65	152417	6.14 ug/mL	97
39) 3-Nitroaniline	11.69	138	42519	7.69 ug/mL#	96
40) 1-Methylnaphthalene	10.23	142	443615	5.94 ug/mL	100
41) Dimethylphthalate	11.36	163	516480	6.01 ug/mL	99
42) Acenaphthylene	11.50	152	587536	5.80 ug/mL	99
43) 2,6-Dinitrotoluene	11.43	165	109927	6.13 ug/mL	96
44) Acenaphthene	11.78	153	396903	5.94 ug/mL	99
45) 2,4-Dinitrophenol	11.86	184	49319	6.83 ug/mL	97
46) 4-Nitrophenol	11.98	109	63863	6.45 ug/mL	99
47) Dibenzofuran	12.06	168	634166	5.86 ug/mL	96
48) 2,4-Dinitrotoluene	12.07	165	131928	5.82 ug/mL	91
49) Fluorene	12.61	166	479093	6.09 ug/mL	95
50) Diethylphthalate	12.50	149	472917	6.06 ug/mL	100
51) 4-Chlorophenyl phenyl ethe	12.64	204	250961	6.00 ug/mL	98
52) 4-Nitroaniline	12.66	138	57260	6.66 ug/mL#	88
56) 4,6-Dinitro-2-methylphenol	12.72	198	71873	6.62 ug/mL	94
57) Diphenylamine	12.83	169	270204	6.12 ug/mL	98
58) 4-bromophenyl phenyl ether	13.42	248	134181	5.83 ug/mL	94
59) Hexachlorobenzene	13.50	284	132630	6.22 ug/mL	97
60) Pentachlorophenol	13.82	266	84998	6.57 ug/mL	100
61) Phenanthrene	14.15	178	610988	5.98 ug/mL	99
62) Carbazole	14.50	167	252339	6.23 ug/mL	99
63) Anthracene	14.22	178	571388	6.08 ug/mL	99
64) Azobenzene	12.89	77	535724	6.02 ug/mL	99
65) Di-n-Butylphthalate	15.15	149	737463	5.90 ug/mL	99
66) Fluoranthene	16.05	202	623106	6.22 ug/mL	100
67) alpha-BHC	0.00	183	0	N.D. d	
68) beta-BHC	0.00	181	0	N.D. d	
69) gamma-BHC	0.00	183	0	N.D. d	
70) delta-BHC	0.00	183	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721605.D Vial: 5
Acq On : 21 Jul 2005 11:00 am Operator: MRC
Sample : SVCAL6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 13:46 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 11:19:10 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	0.00	100	0	N.D. d	
72)	Aldrin	0.00	66	0	N.D. d	
73)	Heptachlor Epoxide	0.00	353	0	N.D. d	
74)	Endosulfan I	0.00	195	0	N.D. d	
75)	4,4'-DDE	0.00	246	0	N.D. d	
76)	Dieldrin	0.00	79	0	N.D. d	
77)	Endrin	0.00	263	0	N.D. d	
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	0.00	235	0	N.D. d	
80)	Endosulfan Sulfate	0.00	272	0	N.D. d	
81)	4,4'-DDT	0.00	235	0	N.D. d	
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	0.00	317	0	N.D. d	
84)	Methoxychlor	0.00	227	0	N.D. d	
86)	Pyrene	16.41	202	604955	5.87 ug/mL	98
87)	Butylbenzylphthalate	17.54	149	304383	6.12 ug/mL	98
88)	Benzo[a]anthracene	18.34	228	550131	6.12 ug/mL	98
89)	3,3'-Dichlorobenzidine	18.34	252	88635	6.38 ug/mL	96
90)	Chrysene	18.39	228	455547	6.14 ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	18.50	149	409561	6.01 ug/mL	99
94)	Di-n-octylphthalate	19.49	149	692866	6.32 ug/mL	100
95)	Benzo[b]fluoranthene	19.99	252	409988	6.32 ug/mL	98
96)	Benzo[k]fluoranthene	20.04	252	396294	6.34 ug/mL	100
97)	Benzo[a]pyrene	20.53	252	315573	6.26 ug/mL	98
98)	Indeno(1,2,3-c,d)pyrene	22.87	276	168167	6.04 ug/mL	98
99)	Dibenzo[a,h]anthracene	22.94	278	154126	6.23 ug/mL#	88
100)	Benzo[g,h,i]perylene	23.53	276	185979	6.33 ug/mL	96

(#) = qualifier out of range (m) = manual integration

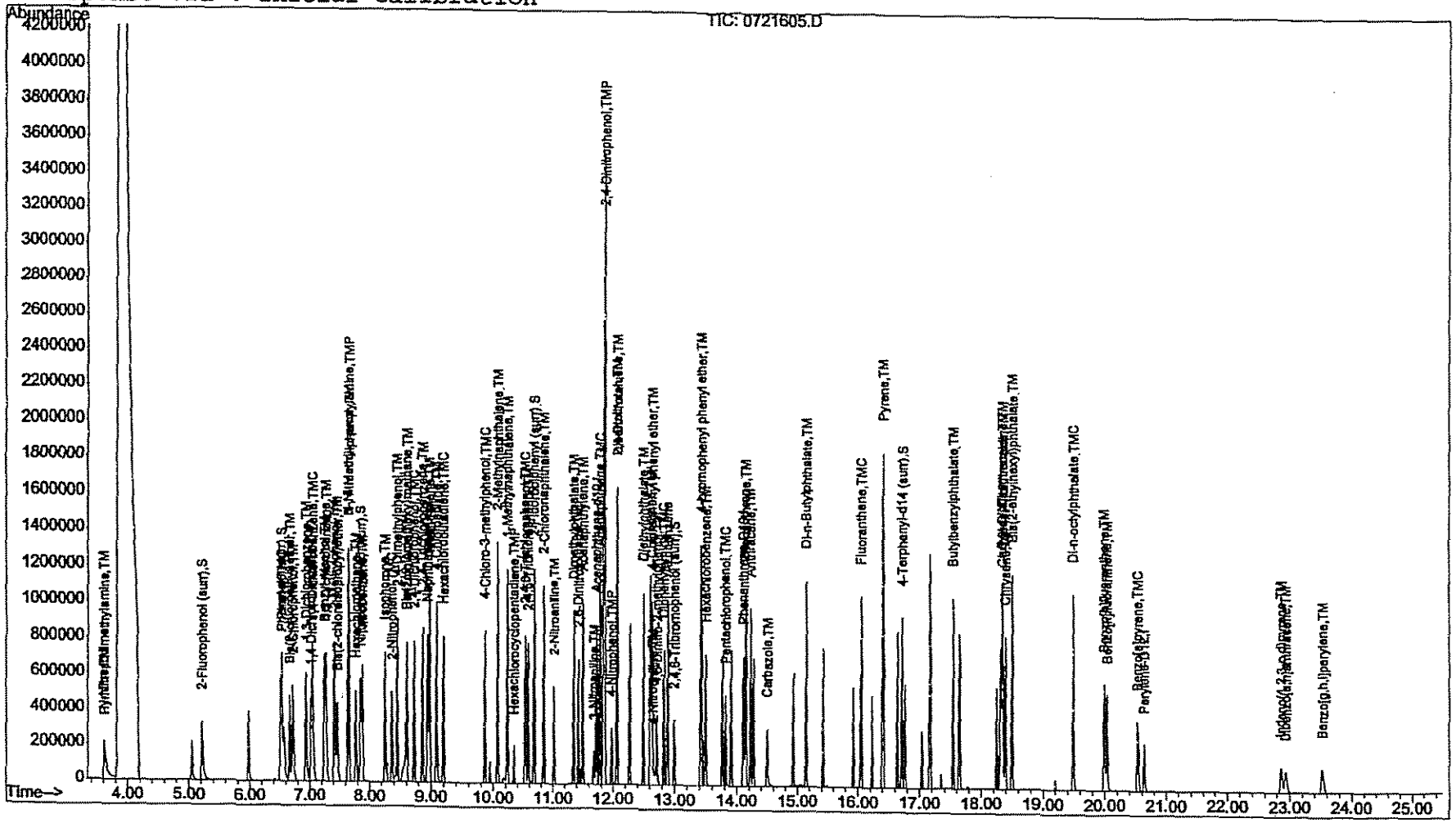
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6072105\0721605.D
Acq On : 21 Jul 2005 11:00 am
Sample : SVCAL6
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jul 21 13:46 2005

Vial: 5
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

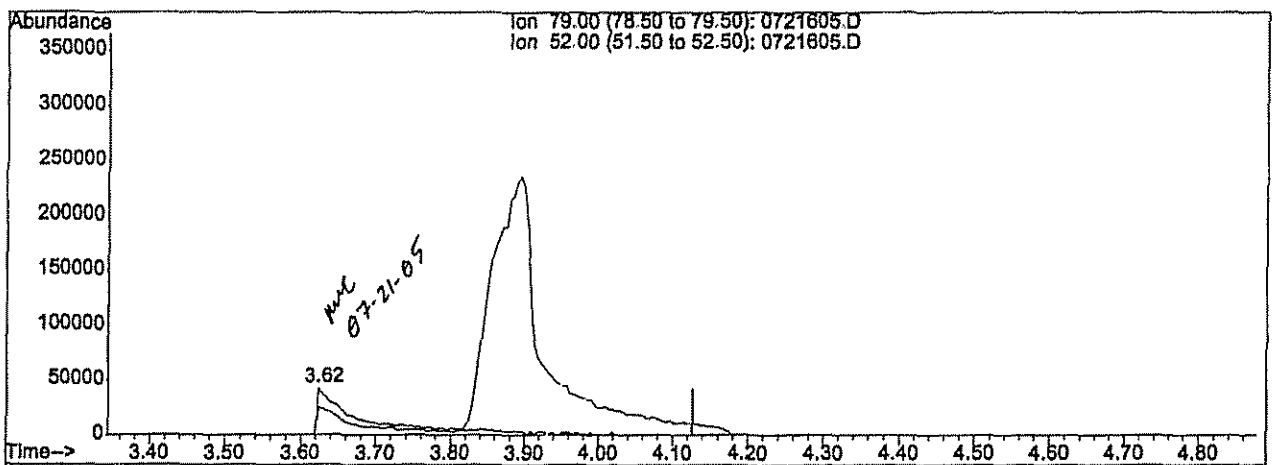
Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration

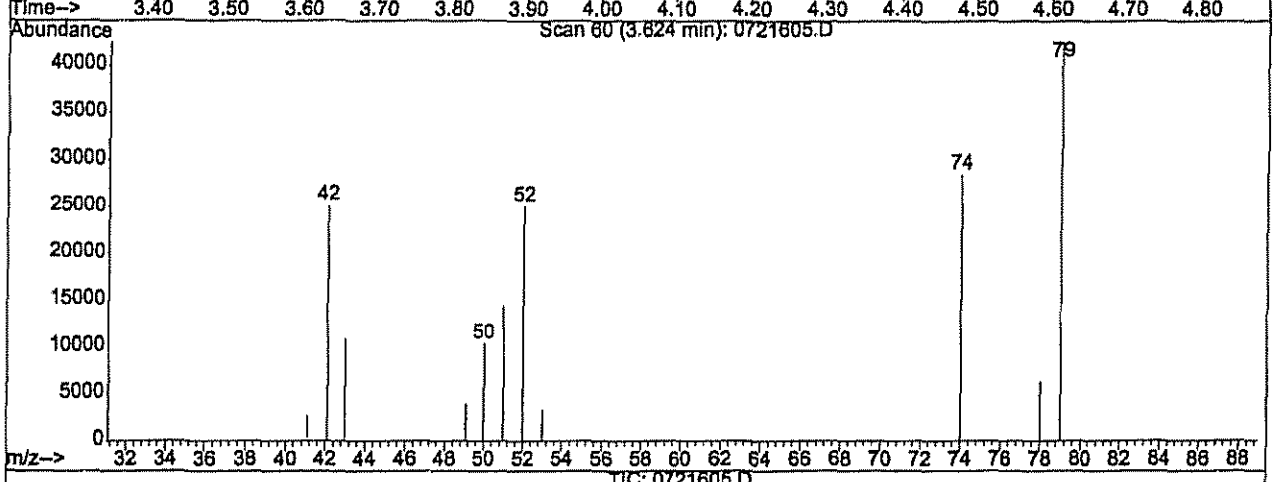


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721605.D Vial: 5
Acq On : 21 Jul 2005 11:00 am Operator: MRC
Sample : SVCAL6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 13:45 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6071905\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 13 07:53:43 2005
Response via : Multiple Level Calibration





(2) Pyridine (TM)

3.62min 7.52ug/mL m

response 177790

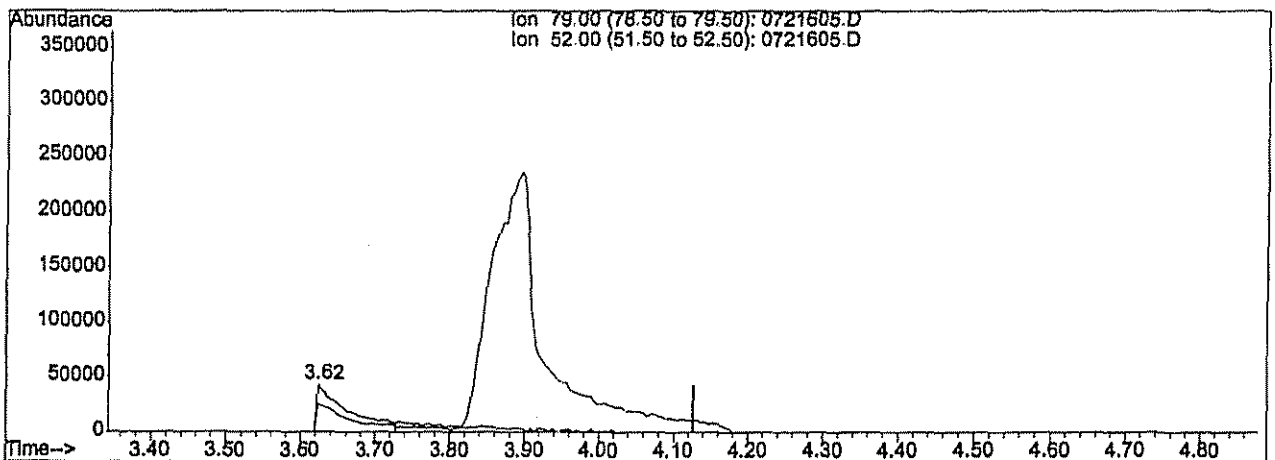
Ion	Exp%	Act%
79.00	100	100
52.00	35.70	35.36
0.00	0.00	0.00
0.00	0.00	0.00

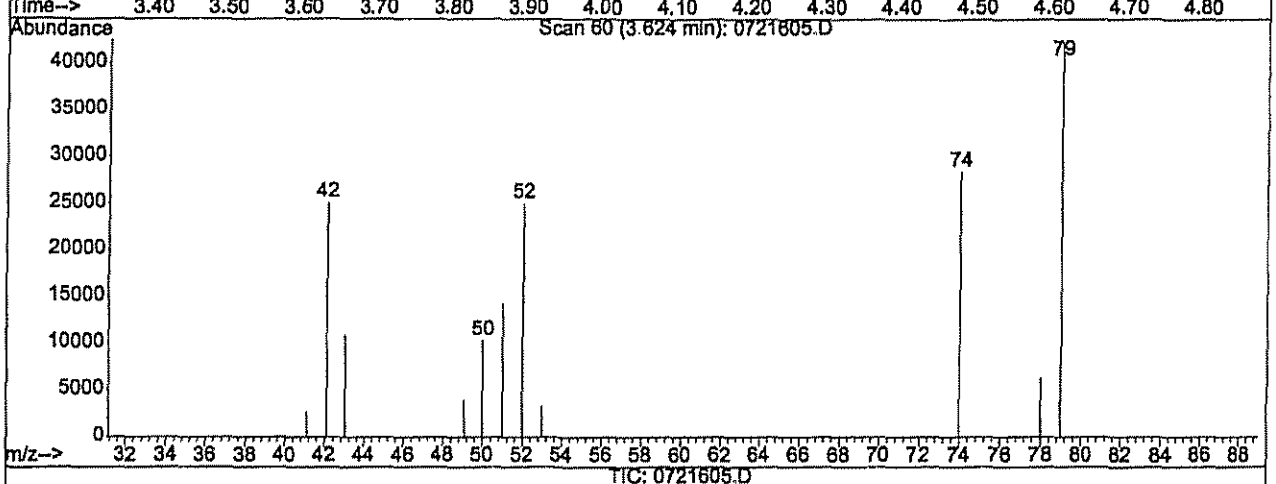
0721605.D 8270DXN.M Thu Jul 21 13:45:54 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721605.D Vial: 5
Acq On : 21 Jul 2005 11:00 am Operator: MRC
Sample : SVCAL6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 11:26 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6071905\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 13 07:53:43 2005
Response via : Multiple Level Calibration





TIC: 0721605.D

(2) Pyridine (TM)

3.62min 5.21ug/mL

response 123134

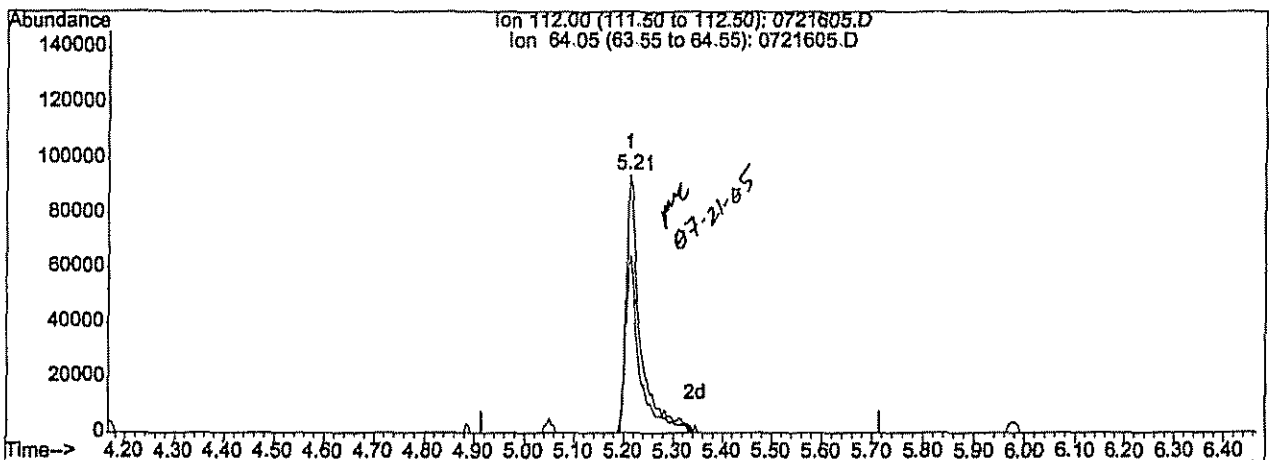
Ion	Exp%	Act%
79.00	100	100
52.00	35.70	51.06#
0.00	0.00	0.00
0.00	0.00	0.00

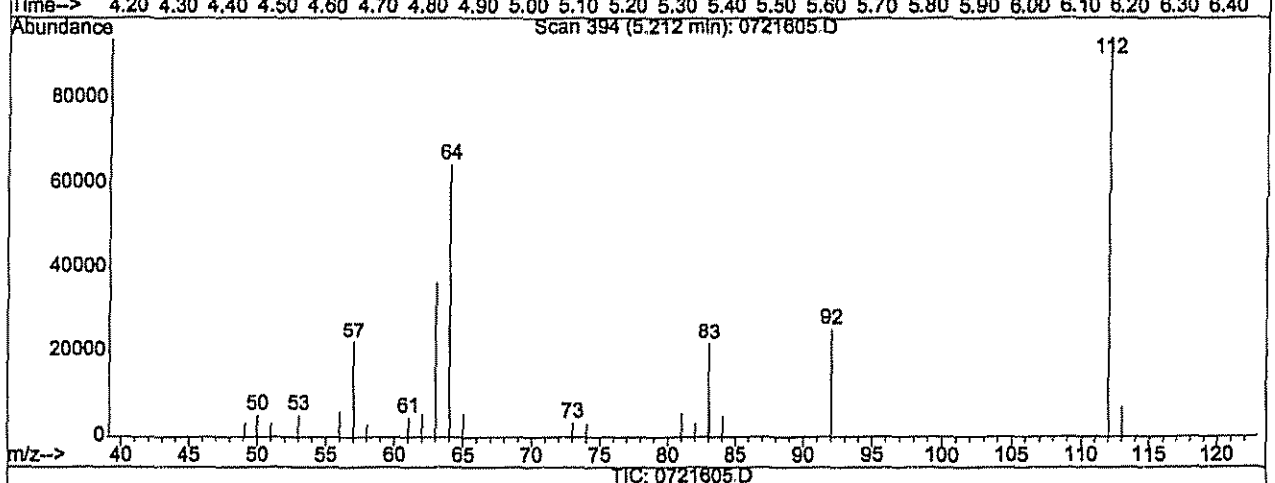
0721605.D 8270DXN.M Thu Jul 21 13:45:48 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721605.D Vial: 5
Acq On : 21 Jul 2005 11:00 am Operator: MRC
Sample : SVCAL6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 13:46 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6071905\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 13 07:53:43 2005
Response via : Multiple Level Calibration





TIC: 0721605.D

(16) 2-Fluorophenol (surr) (S)

5.21min 6.14ug/mL m

response 189995

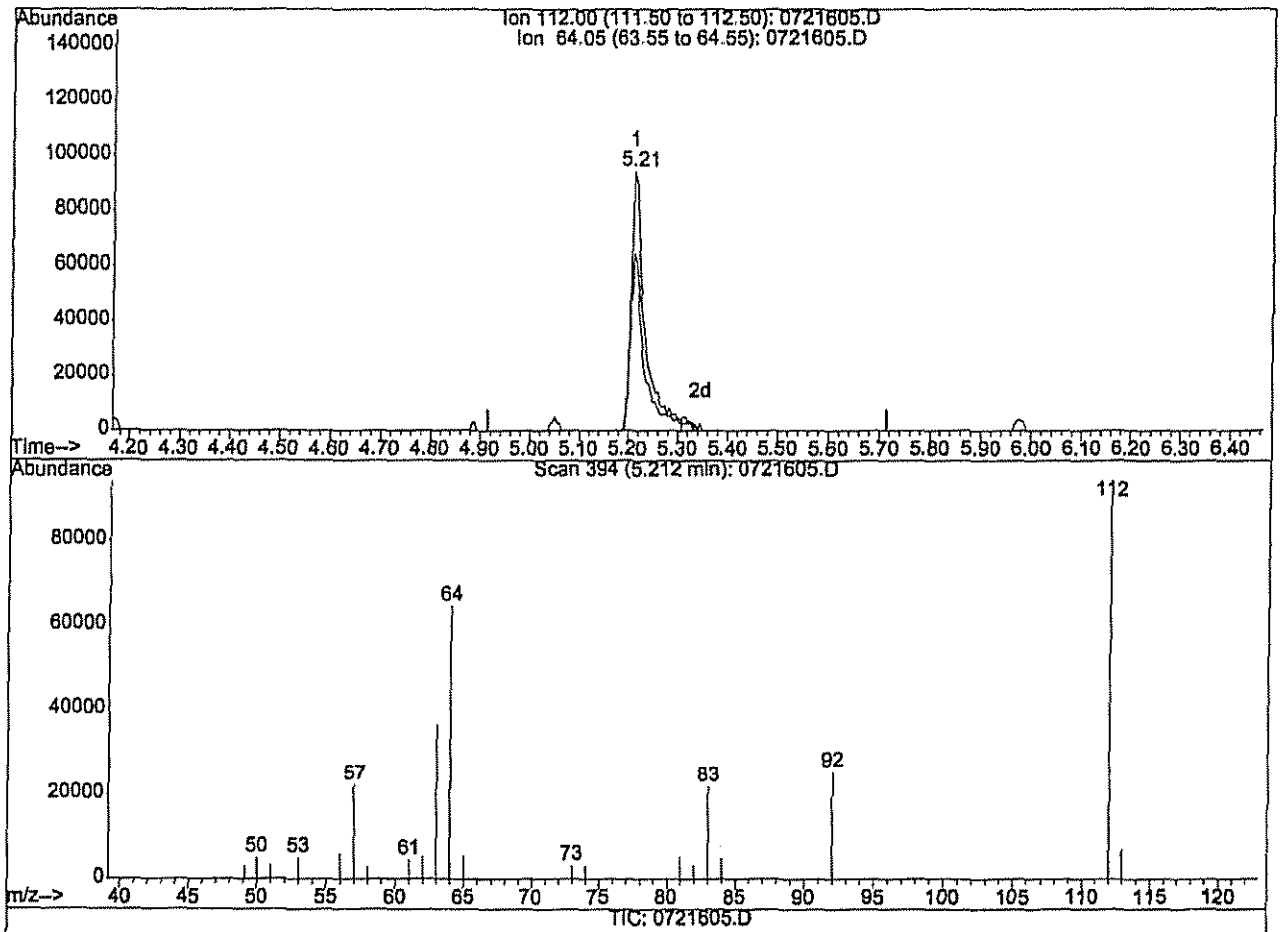
Ion	Exp%	Act%
112.00	100	100
64.05	64.80	66.94
0.00	0.00	0.00
0.00	0.00	0.00

0721605.D 8270DXN.M Thu Jul 21 13:46:12 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721605.D Vial: 5
Acq On : 21 Jul 2005 11:00 am Operator: MRC
Sample : SVCAL6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 13:45 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6071905\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 13 07:53:43 2005
Response via : Multiple Level Calibration



(16) 2-Fluorophenol (surr) (S)

5.21min 5.93ug/mL

response 183600

Ion	Exp%	Act%
112.00	100	100
64.05	64.80	69.27
0.00	0.00	0.00
0.00	0.00	0.00

0721605.D 8270DXN.M Thu Jul 21 13:46:06 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721606.D Vial: 6
Acq On : 21 Jul 2005 11:34 am Operator: MRC
Sample : SVCAL8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:07 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 13:47:19 2005
Response via : Initial Calibration
DataAcq Meth : 8270

vmc 07.21.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.02	152	143801	4.00	ug/mL	0.00
18) Naphthalene-D8	8.94	136	599919	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.73	164	350122	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.11	188	488418	4.00	ug/mL	0.00
85) Chrysene-D12	18.36	240	348554	4.00	ug/mL	0.00
93) Perylene-D12	20.64	264	232118	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.21	112	292358	8.15	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	81.50%	
17) Phenol-d6 (surr)	6.51	99	448972	7.64	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	76.40%	
32) Nitrobenzene-d5 (surr)	7.85	128	158723	7.28	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	72.80%	
53) 2-Fluorobiphenyl (surr)	10.68	172	740289	7.11	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	71.10%	
54) 2,4,6-Tribromophenol (surr	13.00	330	79563	7.94	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	79.40%	
92) 4-Terphenyl-d14 (surr)	16.72	244	631869	7.28	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	72.80%	

Target Compounds						Qvalue
2) Pyridine	3.61	79	304674m	10.53	ug/mL	
3) N-Nitrosodimethylamine	3.62	74	180604	7.79	ug/mL	97
4) Phenol	6.53	94	503358	7.57	ug/mL	99
5) Bis(2-chloroethyl)ether	6.66	93	392706	7.81	ug/mL	99
6) 2-Chlorophenol	6.72	128	375797	7.43	ug/mL	96
7) Benzyl Alcohol	7.24	108	262205	7.54	ug/mL	99
8) 1,3-Dichlorobenzene	6.94	146	370632	7.60	ug/mL	99
9) 1,4-Dichlorobenzene	7.05	146	378770	7.60	ug/mL	99
10) 1,2-Dichlorobenzene	7.26	146	341907	7.43	ug/mL	97
11) 2-Methylphenol	7.41	107	307908	7.40	ug/mL	98
12) 3-, 4-Methylphenol	7.65	107	448374	7.47	ug/mL	94
13) Bis(2-chloroisopropyl)ethe	7.46	45	446803	7.43	ug/mL	97
14) N-Nitrosodi-n-propylamine	7.65	70	228475	7.26	ug/mL	98
15) Hexachloroethane	7.77	117	144438	7.48	ug/mL	98
19) Nitrobenzene	7.88	77	428063	7.37	ug/mL	99
20) Isophorone	8.25	82	648135	7.40	ug/mL	98
21) 2-Nitrophenol	8.37	139	204095	6.85	ug/mL	98
22) 2,4-Dimethylphenol	8.46	122	306214	7.65	ug/mL	96
23) Benzoic Acid	8.62	122	175235	8.22	ug/mL	99
24) Bis(2-chloroethoxy)methane	8.61	93	428396	7.20	ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721606.D Vial: 6
Acq On : 21 Jul 2005 11:34 am Operator: MRC
Sample : SVCAL8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:07 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 13:47:19 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	8.73	162	312152	7.34 ug/mL	96
26) 1,2,4-Trichlorobenzene	8.87	180	325568	7.21 ug/mL	97
27) Naphthalene	8.98	128	990598	7.24 ug/mL	99
28) 4-Chloroaniline	9.12	127	132394	5.21 ug/mL	93
29) Hexachlorobutadiene	9.20	225	197363	7.16 ug/mL	98
30) 4-Chloro-3-methylphenol	9.87	107	360365	7.40 ug/mL	97
31) 2-Methylnaphthalene	10.07	142	721241	7.27 ug/mL	99
34) Hexachlorocyclopentadiene	10.34	237	63694	6.55 ug/mL#	93
35) 2,4,6-Trichlorophenol	10.54	196	238935	7.36 ug/mL	94
36) 2,4,5-Trichlorophenol	10.58	196	238292	7.27 ug/mL	95
37) 2-Chloronaphthalene	10.84	162	650421	7.20 ug/mL	100
38) 2-Nitroaniline	11.03	65	218402	7.25 ug/mL	94
39) 3-Nitroaniline	11.70	138	28218	3.95 ug/mL	99
40) 1-Methylnaphthalene	10.23	142	656869	7.30 ug/mL	98
41) Dimethylphthalate	11.36	163	759702	7.32 ug/mL	99
42) Acenaphthylene	11.50	152	872841	7.20 ug/mL	99
43) 2,6-Dinitrotoluene	11.43	165	165168	7.59 ug/mL	93
44) Acenaphthene	11.78	153	584734	7.27 ug/mL	99
45) 2,4-Dinitrophenol	11.87	184	78762	8.74 ug/mL	89
46) 4-Nitrophenol	11.98	109	92299	7.58 ug/mL	92
47) Dibenzofuran	12.07	168	938212	7.22 ug/mL	97
48) 2,4-Dinitrotoluene	12.07	165	202150	7.44 ug/mL	97
49) Fluorene	12.61	166	695995	7.30 ug/mL	91
50) Diethylphthalate	12.50	149	695004	7.36 ug/mL	99
51) 4-Chlorophenyl phenyl ethe	12.64	204	373045	7.39 ug/mL	96
52) 4-Nitroaniline	12.68	138	80351	7.54 ug/mL	98
56) 4,6-Dinitro-2-methylphenol	12.72	198	115696	8.35 ug/mL	97
57) Diphenylamine	12.83	169	367491	6.65 ug/mL	99
58) 4-bromophenyl phenyl ether	13.42	248	202886	7.13 ug/mL	99
59) Hexachlorobenzene	13.50	284	197227	7.36 ug/mL	95
60) Pentachlorophenol	13.82	266	131464	7.97 ug/mL	94
61) Phenanthrene	14.15	178	932348	7.34 ug/mL	98
62) Carbazole	14.50	167	343115m	6.74 ug/mL	
63) Anthracene	14.23	178	859104	7.32 ug/mL	99
64) Azobenzene	12.89	77	800668	7.22 ug/mL	100
65) Di-n-Butylphthalate	15.14	149	1148076	7.41 ug/mL	99
66) Fluoranthene	16.06	202	936940	7.44 ug/mL	98
67) alpha-BHC	13.43	183	148063	7.22 ug/mL	98
68) beta-BHC	13.77	181	116751	7.44 ug/mL	100
69) gamma-BHC	13.91	183	123355	7.62 ug/mL	99
70) delta-BHC	14.27	183	111779	7.73 ug/mL	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721606.D Vial: 6
Acq On : 21 Jul 2005 11:34 am Operator: MRC
Sample : SVCAL8) Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:07 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 13:47:19 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.93	100	142679	7.62 ug/mL	99
72)	Aldrin	15.42	66	155360	7.51 ug/mL	99
73)	Heptachlor Epoxide	15.93	353	53866	8.03 ug/mL	98
74)	Endosulfan I	16.42	195	41907	8.24 ug/mL#	83
75)	4,4'-DDE	16.64	246	223116	7.68 ug/mL	100
76)	Dieldrin	16.77	79	193459	7.59 ug/mL	99
77)	Endrin	17.04	263	31230	7.90 ug/mL	95
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.18	235	392718	7.48 ug/mL#	99
80)	Endosulfan Sulfate	17.65	272	51074	7.72 ug/mL	97
81)	4,4'-DDT	17.65	235	293663	7.27 ug/mL	98
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.25	317	43164	8.41 ug/mL	95
84)	Methoxychlor	18.32	227	678888	7.77 ug/mL	95
86)	Pyrene	16.41	202	909292	7.15 ug/mL	99
87)	Butylbenzylphthalate	17.55	149	458518	7.40 ug/mL	98
88)	Benzo[a]anthracene	18.34	228	839315	7.49 ug/mL	99
89)	3,3'-Dichlorobenzidine	18.34	252	126916	7.25 ug/mL	98
90)	Chrysene	18.40	228	708173	7.64 ug/mL	98
91)	Bis(2-ethylhexyl)phthalate	18.50	149	609711	7.20 ug/mL	99
94)	Di-n-octylphthalate	19.49	149	1032687	7.80 ug/mL	100
95)	Benzo[b]fluoranthene	19.99	252	603528	7.70 ug/mL	98
96)	Benzo[k]fluoranthene	20.04	252	584742	7.74 ug/mL	99
97)	Benzo[a]pyrene	20.54	252	456661	7.52 ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	22.87	276	264203	7.95 ug/mL	96
99)	Dibenzo[a,h]anthracene	22.94	278	233004	7.83 ug/mL	99
100)	Benzo[g,h,i]perylene	23.53	276	283883	8.00 ug/mL	97

(#) = qualifier out of range (m) = manual integration

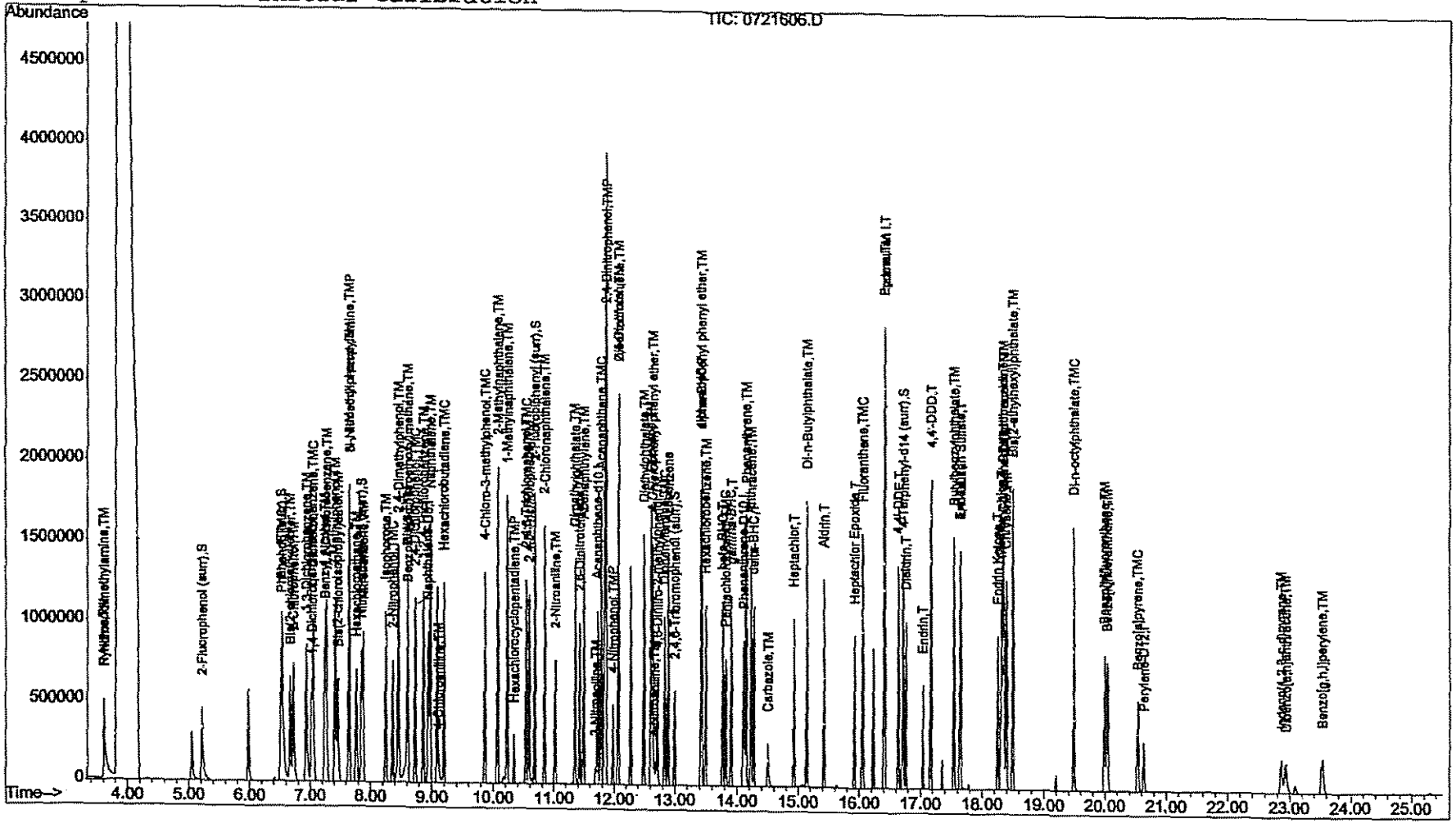
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6072105\0721606.D
Acq On : 21 Jul 2005 11:34 am
Sample : SVCAL8
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:07 2005

Vial: 6
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration

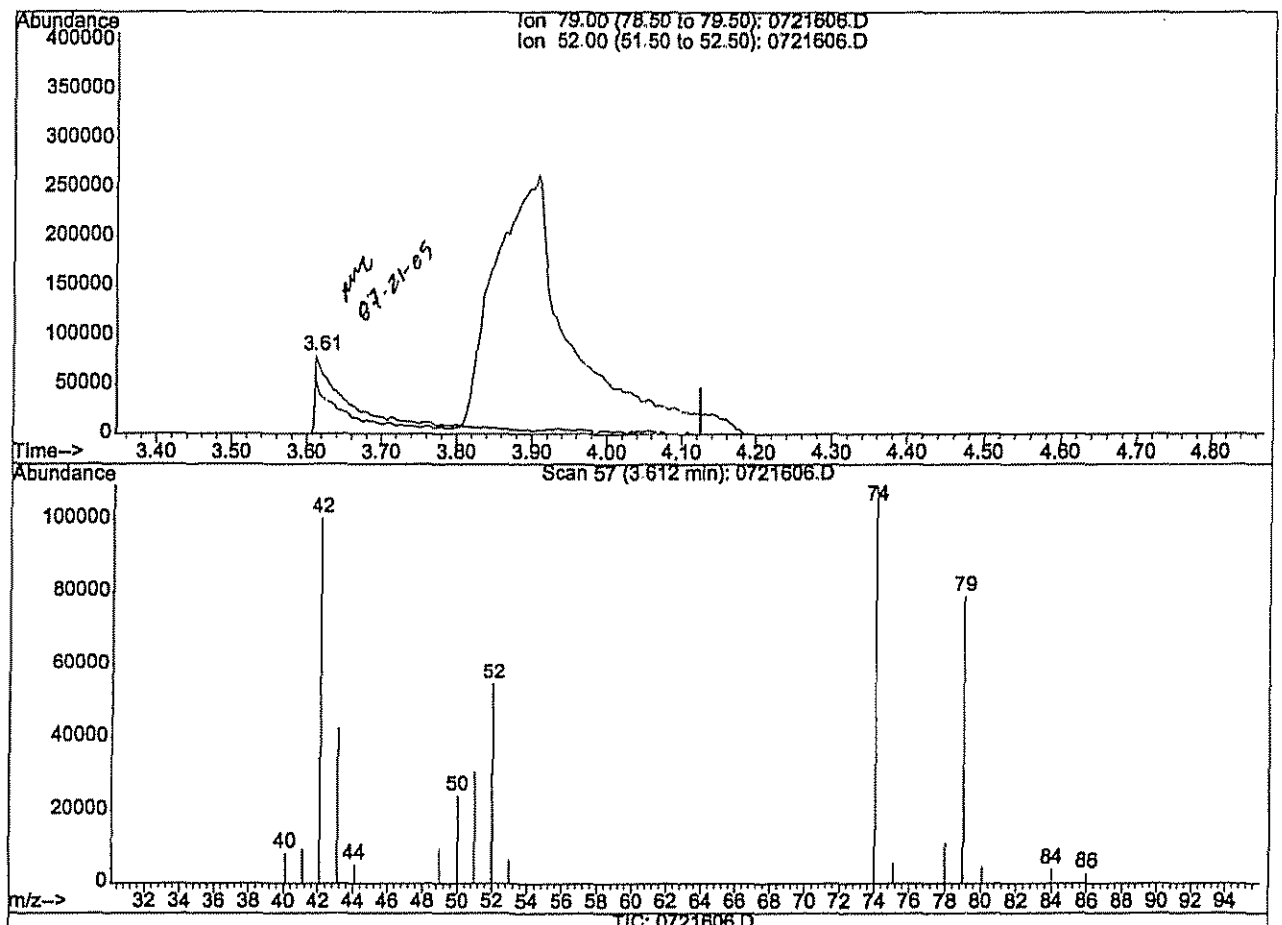


0721606.D 8270.M Thu Jul 21 14:10:54 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721606.D Vial: 6
Acq On : 21 Jul 2005 11:34 am Operator: MRC
Sample : SVCAL8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 13:54 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 13:47:19 2005
Response via : Multiple Level Calibration



(2) Pyridine (TM)

3.61min 10.53ug/mL m

response 304674

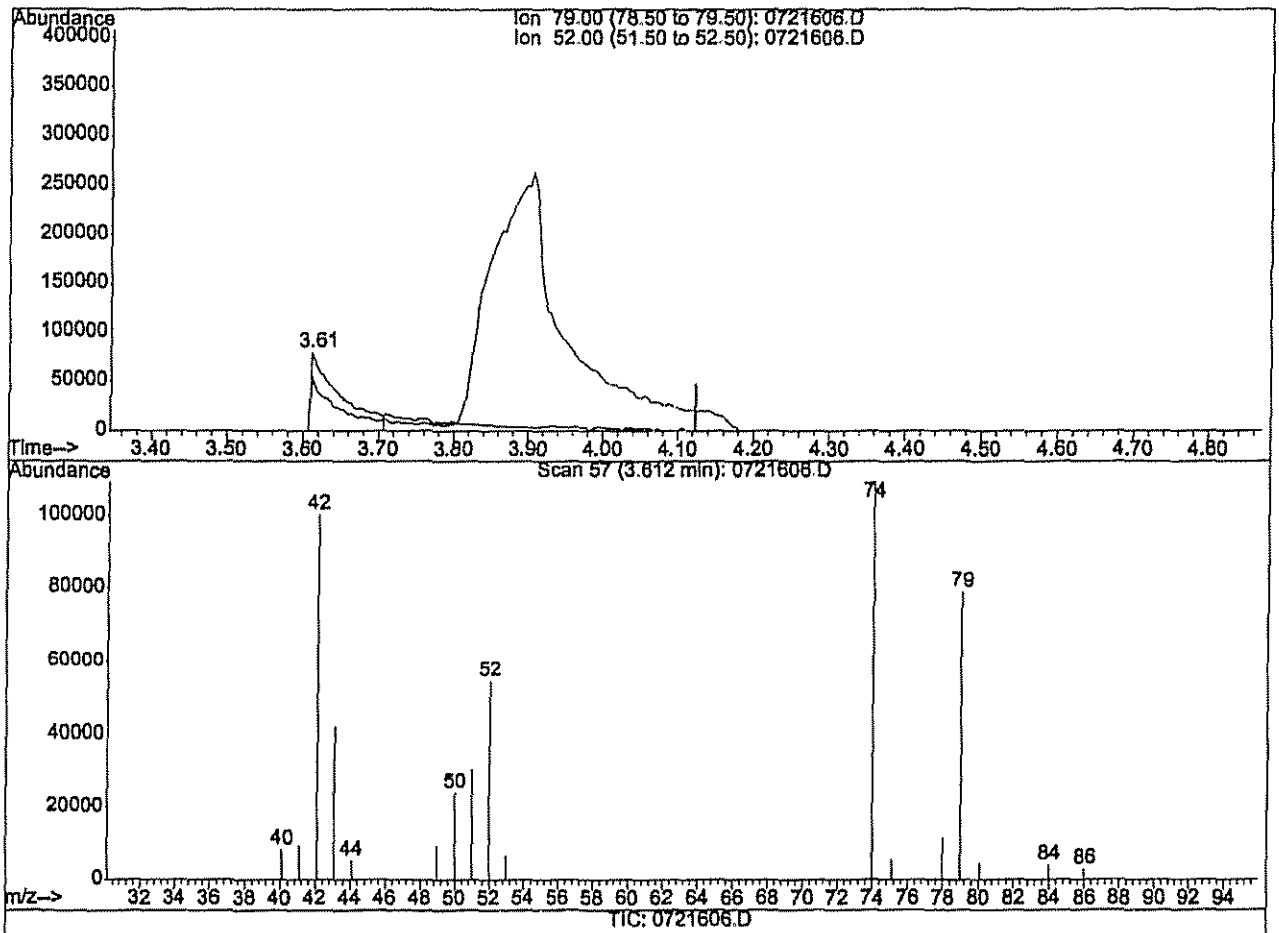
Ion	Exp%	Act%
79.00	100	100
52.00	35.40	41.35
0.00	0.00	0.00
0.00	0.00	0.00

0721606.D 8270.M Thu Jul 21 13:54:58 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721606.D Vial: 6
Acq On : 21 Jul 2005 11:34 am Operator: MRC
Sample : SVCAL8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 13:54 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 13:47:19 2005
Response via : Multiple Level Calibration



(2) Pyridine (TM)

3.61min 7.21ug/mL

response 208618

Ion	Exp%	Act%
79.00	100	100
52.00	35.40	60.38#
0.00	0.00	0.00
0.00	0.00	0.00

0721606.D 8270.M Thu Jul 21 13:54:53 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721607.D Vial: 7
Acq On : 21 Jul 2005 12:08 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 13:59 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 13:58:28 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MMC 07.21.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.02	152	153572	4.00	ug/mL	0.00
18) Naphthalene-D8	8.95	136	614169	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.73	164	357586	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.11	188	509832	4.00	ug/mL	0.00
85) Chrysene-D12	18.36	240	367033	4.00	ug/mL	0.00
93) Perylene-D12	20.64	264	224296	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.22	112	478077	12.43	ug/mL	0.00
Spiked Amount 10.000			Recovery = 124.30%			
17) Phenol-d6 (surr)	6.52	99	728520	11.71	ug/mL	0.00
Spiked Amount 10.000			Recovery = 117.10%			
32) Nitrobenzene-d5 (surr)	7.86	128	262194	11.96	ug/mL	0.00
Spiked Amount 10.000			Recovery = 119.60%			
53) 2-Fluorobiphenyl (surr)	10.68	172	1197523	11.52	ug/mL	0.00
Spiked Amount 10.000			Recovery = 115.20%			
54) 2,4,6-Tribromophenol (surr	13.00	330	133787	13.09	ug/mL	0.00
Spiked Amount 10.000			Recovery = 130.90%			
92) 4-Terphenyl-d14 (surr)	16.72	244	1044598	11.64	ug/mL	0.00
Spiked Amount 10.000			Recovery = 116.40%			
Target Compounds						Qvalue
2) Pyridine	3.62	79	436672	13.29	ug/mL#	61
3) N-Nitrosodimethylamine	3.63	74	320483	13.01	ug/mL	99
4) Phenol	6.53	94	793741	11.30	ug/mL	98
5) Bis(2-chloroethyl)ether	6.67	93	693952	12.98	ug/mL	99
6) 2-Chlorophenol	6.72	128	613490	11.53	ug/mL	98
7) Benzyl Alcohol	7.25	108	438985	11.95	ug/mL	98
8) 1,3-Dichlorobenzene	6.94	146	603529	11.70	ug/mL	97
9) 1,4-Dichlorobenzene	7.04	146	610438	11.58	ug/mL	97
10) 1,2-Dichlorobenzene	7.27	146	548587	11.32	ug/mL	96
11) 2-Methylphenol	7.41	107	499457	11.41	ug/mL	98
12) 3-, 4-Methylphenol	7.65	107	728511	11.51	ug/mL	97
13) Bis(2-chloroisopropyl)ethe	7.46	45	731747	11.56	ug/mL	100
14) N-Nitrosodi-n-propylamine	7.66	70	381380	11.57	ug/mL	98
15) Hexachloroethane	7.77	117	239095	11.75	ug/mL	99
19) Nitrobenzene	7.89	77	703650	12.03	ug/mL	99
20) Isophorone	8.26	82	1056290	11.96	ug/mL	99
21) 2-Nitrophenol	8.37	139	329035	11.10	ug/mL	95
22) 2,4-Dimethylphenol	8.46	122	485670	11.96	ug/mL	94
23) Benzoic Acid	8.67	122	315621	14.38	ug/mL	100
24) Bis(2-chloroethoxy)methane	8.61	93	689193	11.55	ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721607.D Vial: 7
Acq On : 21 Jul 2005 12:08 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 13:59 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 13:58:28 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	8.74	162	509972	11.91 ug/mL	98
26) 1,2,4-Trichlorobenzene	8.86	180	518081	11.44 ug/mL	99
27) Naphthalene	8.98	128	1595886	11.62 ug/mL	99
28) 4-Chloroaniline	9.14	127	186192	7.69 ug/mL#	91
29) Hexachlorobutadiene	9.20	225	331095	11.98 ug/mL	98
30) 4-Chloro-3-methylphenol	9.87	107	600422	12.23 ug/mL	99
31) 2-Methylnaphthalene	10.08	142	1161199	11.65 ug/mL	100
34) Hexachlorocyclopentadiene	10.34	237	126248	13.20 ug/mL#	95
35) 2,4,6-Trichlorophenol	10.54	196	388839	11.91 ug/mL	98
36) 2,4,5-Trichlorophenol	10.58	196	400052	12.17 ug/mL	97
37) 2-Chloronaphthalene	10.84	162	1070325	11.83 ug/mL	99
38) 2-Nitroaniline	11.03	65	358446	11.87 ug/mL	99
39) 3-Nitroaniline	11.71	138	39431	6.01 ug/mL	97
40) 1-Methylnaphthalene	10.23	142	1052406	11.66 ug/mL	100
41) Dimethylphthalate	11.36	163	1230643	11.81 ug/mL	99
42) Acenaphthylene	11.50	152	1385991	11.42 ug/mL	99
43) 2,6-Dinitrotoluene	11.44	165	272280	12.38 ug/mL	97
44) Acenaphthene	11.78	153	940641	11.67 ug/mL	98
45) 2,4-Dinitrophenol	11.88	184	141363	15.08 ug/mL	96
46) 4-Nitrophenol	11.99	109	167614	13.62 ug/mL	95
47) Dibenzofuran	12.07	168	1523252	11.71 ug/mL	99
48) 2,4-Dinitrotoluene	12.08	165	326571	11.94 ug/mL	84
49) Fluorene	12.62	166	1145291	11.97 ug/mL	96
50) Diethylphthalate	12.50	149	1144893	12.07 ug/mL	98
51) 4-Chlorophenyl phenyl ethe	12.64	204	592288	11.67 ug/mL	93
52) 4-Nitroaniline	12.68	138	124658m	11.59 ug/mL	
56) 4,6-Dinitro-2-methylphenol	12.72	198	207057	14.19 ug/mL	96
57) Diphenylamine	12.84	169	518263	9.30 ug/mL	99
58) 4-bromophenyl phenyl ether	13.43	248	327692	11.28 ug/mL	95
59) Hexachlorobenzene	13.50	284	317035	11.52 ug/mL	98
60) Pentachlorophenol	13.82	266	226140	13.15 ug/mL	98
61) Phenanthrene	14.15	178	1500563	11.50 ug/mL	99
62) Carbazole	14.50	167	361342	7.31 ug/mL	99
63) Anthracene	14.23	178	1398170	11.61 ug/mL	99
64) Azobenzene	12.89	77	1311032	11.56 ug/mL	99
65) Di-n-Butylphthalate	15.15	149	1815289	11.39 ug/mL	100
66) Fluoranthene	16.06	202	1569696	12.12 ug/mL	98
67) alpha-BHC	13.43	183	240106	11.50 ug/mL	99
68) beta-BHC	13.77	181	195608	12.16 ug/mL	96
69) gamma-BHC	13.91	183	201065	12.04 ug/mL	99
70) delta-BHC	14.28	183	181108	12.10 ug/mL	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721607.D Vial: 7
Acq On : 21 Jul 2005 12:08 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 13:59 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 13:58:28 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.93	100	230922	11.95 ug/mL	98
72)	Aldrin	15.42	66	242114	11.39 ug/mL	99
73)	Heptachlor Epoxide	15.93	353	86907	12.40 ug/mL	100
74)	Endosulfan I	16.42	195	64369	12.04 ug/mL	100
75)	4,4'-DDE	16.64	246	366769	12.21 ug/mL	100
76)	Dieldrin	16.76	79	307499	11.71 ug/mL	100
77)	Endrin	17.04	263	55426	13.48 ug/mL	94
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.18	235	649953	12.05 ug/mL	100
80)	Endosulfan Sulfate	17.64	272	83094	12.13 ug/mL	98
81)	4,4'-DDT	17.66	235	489286	11.87 ug/mL	100
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.26	317	72411	13.34 ug/mL	94
84)	Methoxychlor	18.31	227	1103812	12.19 ug/mL#	1
86)	Pyrene	16.42	202	1494500	11.40 ug/mL	99
87)	Butylbenzylphthalate	17.55	149	764908	11.90 ug/mL	97
88)	Benzo[a]anthracene	18.35	228	1385532	11.89 ug/mL	99
89)	3,3'-Dichlorobenzidine	18.34	252	189801	10.49 ug/mL	99
90)	Chrysene	18.40	228	1150485	11.90 ug/mL	98
91)	Bis(2-ethylhexyl)phthalate	18.50	149	1001987	11.47 ug/mL	100
94)	Di-n-octylphthalate	19.49	149	1701976	13.37 ug/mL	100
95)	Benzo[b]fluoranthene	20.00	252	964918	12.84 ug/mL	98
96)	Benzo[k]fluoranthene	20.04	252	925098	12.75 ug/mL	97
97)	Benzo[a]pyrene	20.54	252	739236	12.76 ug/mL	98
98)	Indeno(1,2,3-c,d)pyrene	22.87	276	413428	12.89 ug/mL	97
99)	Dibenzo[a,h]anthracene	22.95	278	365685	12.77 ug/mL	97
100)	Benzo[g,h,i]perylene	23.54	276	433903	12.65 ug/mL#	92

(#) = qualifier out of range (m) = manual integration

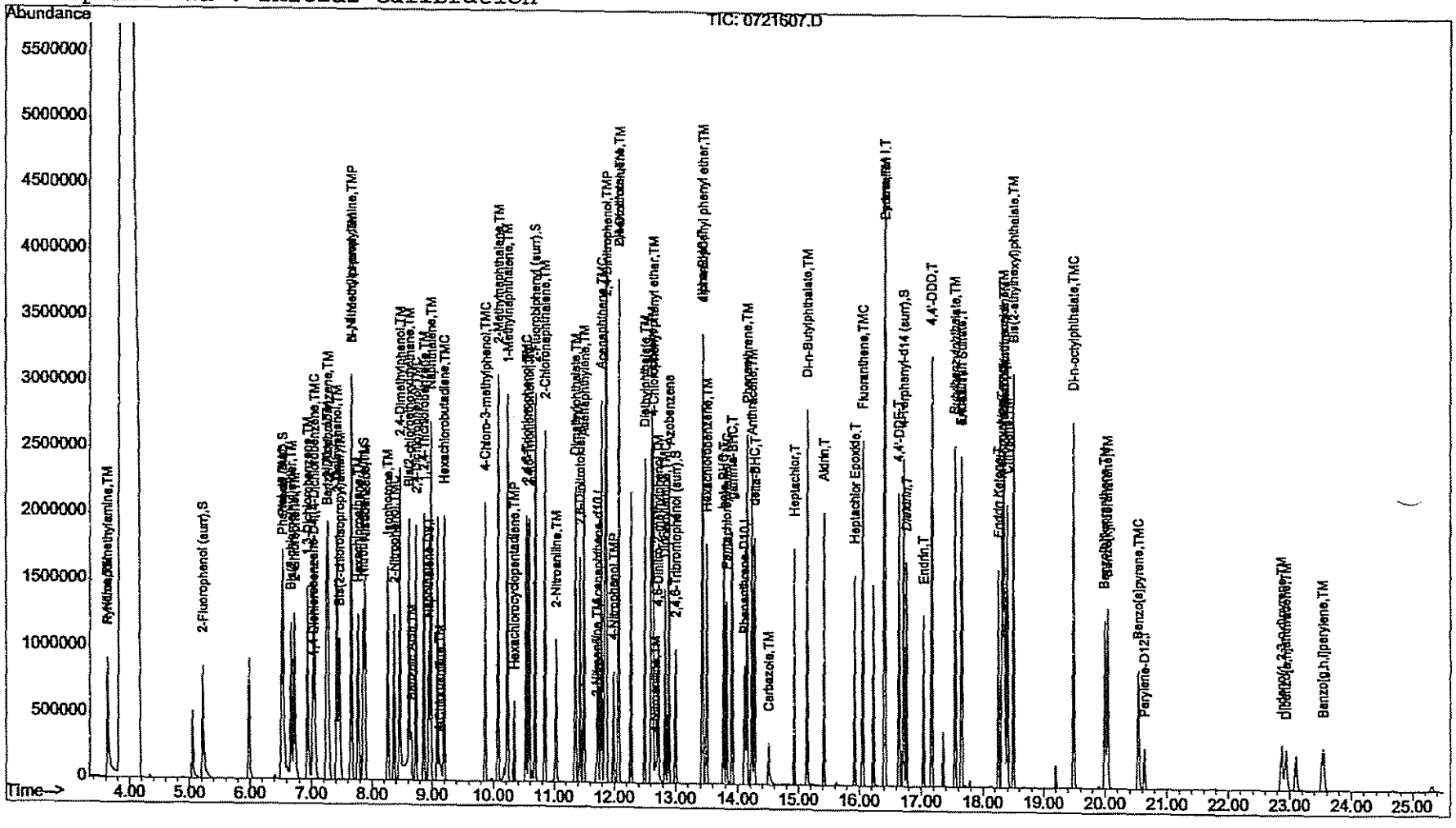
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6072105\0721607.D
Acq On : 21 Jul 2005 12:08 pm
Sample : SVCAL12
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jul 21 13:59 2005

Vial: 7
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

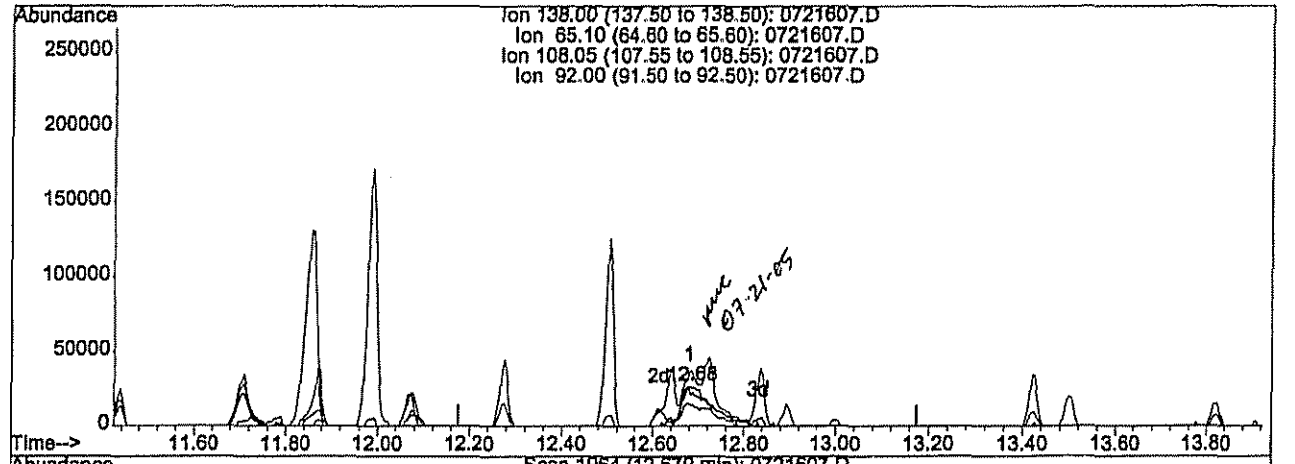
Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration

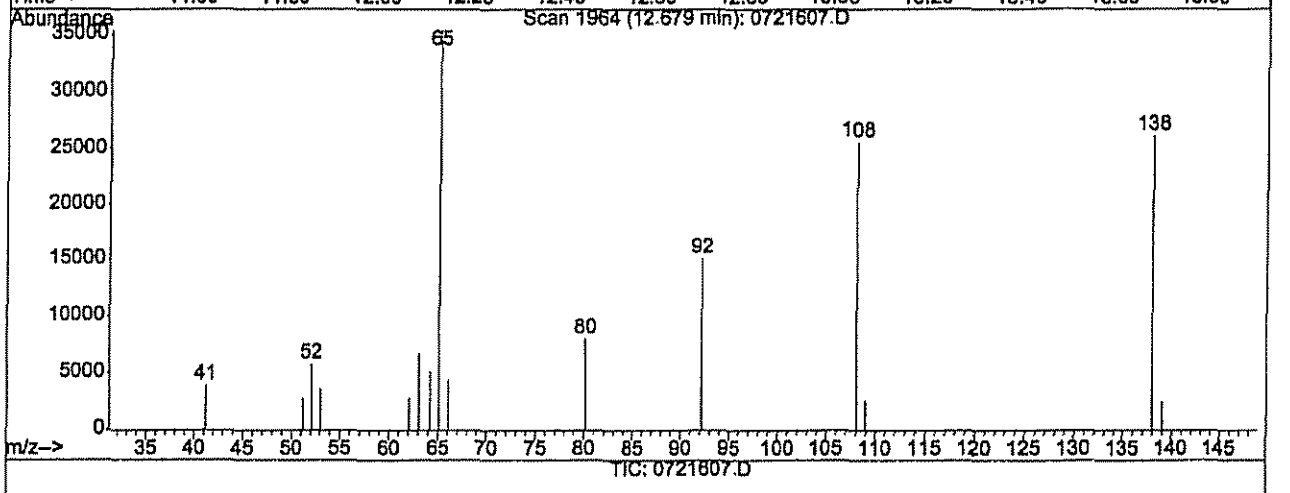


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721607.D Vial: 7
Acq On : 21 Jul 2005 12:08 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 13:59 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 13:58:28 2005
Response via : Multiple Level Calibration





(52) 4-Nitroaniline (TM)

12.68min 11.59ug/mL m

response 124658

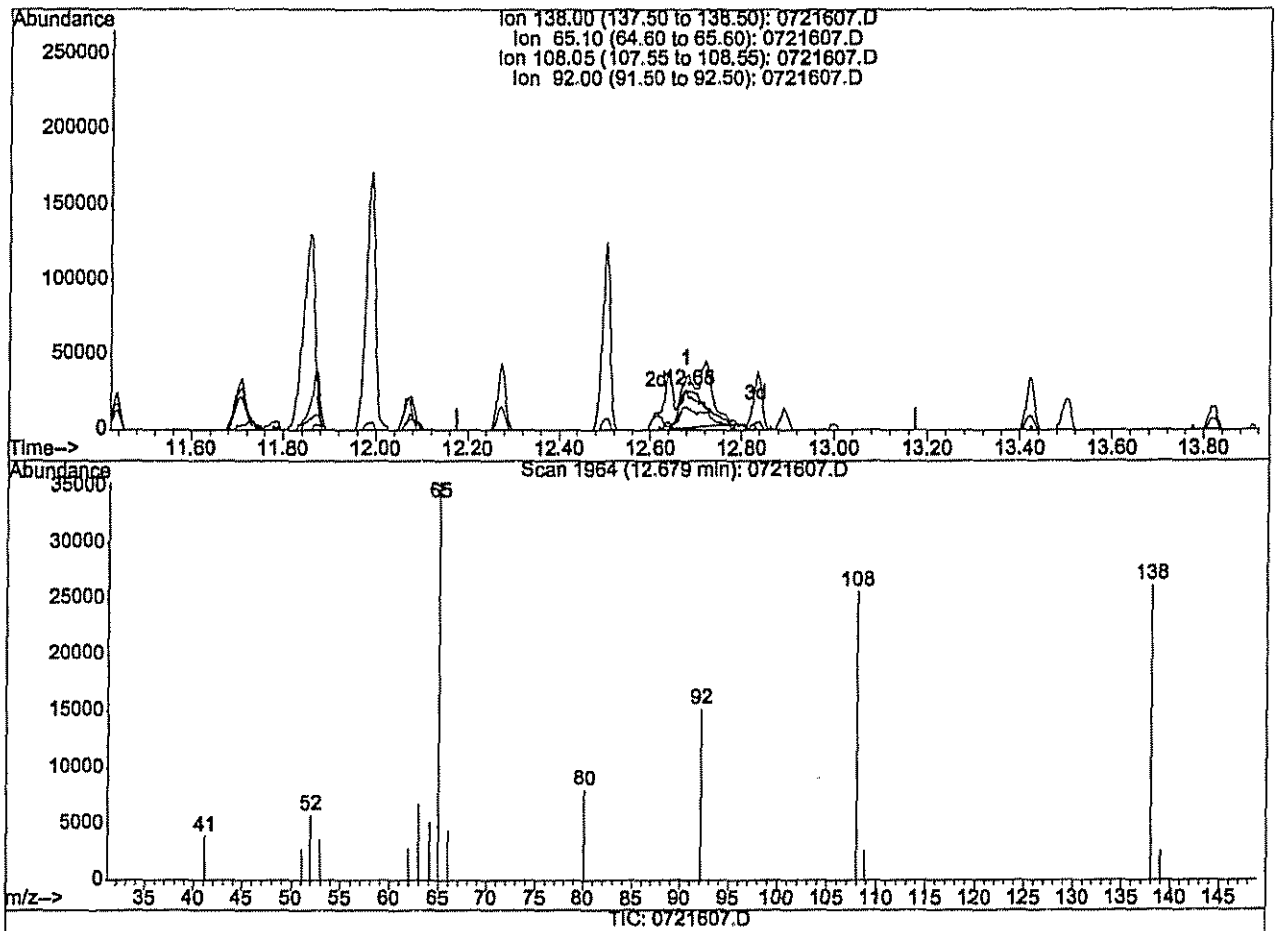
Ion	Exp%	Act%
138.00	100	100
65.10	114.90	134.67
108.05	86.20	97.81
92.00	49.30	57.87

0721607.D 8270.M Thu Jul 21 13:59:53 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721607.D Vial: 7
Acq On : 21 Jul 2005 12:08 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 13:58 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 13:58:28 2005
Response via : Multiple Level Calibration



(52) 4-Nitroaniline (TM)

12.68min 9.13ug/mL

response 98186

Ion	Exp%	Act%
138.00	100	100
65.10	114.90	128.42
108.05	86.20	113.71#
92.00	49.30	53.47

0721607.D 8270.M Thu Jul 21 13:59:49 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721608.D Vial: 8
Acq On : 21 Jul 2005 12:42 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:01 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:00:30 2005
Response via : Initial Calibration
DataAcq Meth : 8270

pmc 07-21-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.02	152	122278	4.00	ug/mL	0.00
18) Naphthalene-D8	8.95	136	517311	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.73	164	311486	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.11	188	438342	4.00	ug/mL	0.00
85) Chrysene-D12	18.36	240	290404	4.00	ug/mL	0.00
93) Perylene-D12	20.64	264	178109	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.22	112	767267	24.91	ug/mL	0.00
Spiked Amount 10.000			Recovery = 249.10%			
17) Phenol-d6 (surr)	6.52	99	1178414	23.88	ug/mL	0.00
Spiked Amount 10.000			Recovery = 238.80%			
32) Nitrobenzene-d5 (surr)	7.86	128	429092	23.25	ug/mL	0.00
Spiked Amount 10.000			Recovery = 232.50%			
53) 2-Fluorobiphenyl (surr)	10.69	172	1956958	21.75	ug/mL	0.00
Spiked Amount 10.000			Recovery = 217.50%			
54) 2,4,6-Tribromophenol (surr	13.01	330	222758	24.65	ug/mL	0.00
Spiked Amount 10.000			Recovery = 246.50%			
92) 4-Terphenyl-d14 (surr)	16.73	244	1726155	24.44	ug/mL	0.00
Spiked Amount 10.000			Recovery = 244.40%			
Target Compounds						Qvalue
2) Pyridine	3.62	79	790676	29.68	ug/mL#	60
3) N-Nitrosodimethylamine	3.65	74	504774	25.39	ug/mL	98
4) Phenol	6.55	94	1295148	23.39	ug/mL	96
5) Bis(2-chloroethyl)ether	6.67	93	1076487	24.95	ug/mL	99
6) 2-Chlorophenol	6.72	128	982226	23.33	ug/mL	98
7) Benzyl Alcohol	7.25	108	711206	24.34	ug/mL	94
8) 1,3-Dichlorobenzene	6.94	146	951491	23.26	ug/mL	99
9) 1,4-Dichlorobenzene	7.05	146	980198	23.50	ug/mL	98
10) 1,2-Dichlorobenzene	7.27	146	870437	22.78	ug/mL	96
11) 2-Methylphenol	7.42	107	809500	23.42	ug/mL	97
12) 3-, 4-Methylphenol	7.66	107	1194245	23.87	ug/mL	97
13) Bis(2-chloroisopropyl)ethe	7.46	45	1175799	23.47	ug/mL	98
14) N-Nitrosodi-n-propylamine	7.67	70	630646	24.17	ug/mL	99
15) Hexachloroethane	7.77	117	392830	24.32	ug/mL	98
19) Nitrobenzene	7.89	77	1163139	23.59	ug/mL	99
20) Isophorone	8.27	82	1738715	23.39	ug/mL	98
21) 2-Nitrophenol	8.37	139	543225	22.04	ug/mL	93
22) 2,4-Dimethylphenol	8.47	122	798095	23.35	ug/mL	98
23) Benzoic Acid	8.71	122	555016	29.06	ug/mL	98
24) Bis(2-chloroethoxy)methane	8.62	93	1121319	22.44	ug/mL	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721608.D
Acq On : 21 Jul 2005 12:42 pm
Sample : SVCAL24
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:01 2005

Vial: 8
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:00:30 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	2,4-Dichlorophenol	8.74	162	824192	22.88	ug/mL	98
26)	1,2,4-Trichlorobenzene	8.87	180	841407	22.23	ug/mL	99
27)	Naphthalene	8.99	128	2598909	22.58	ug/mL	100
28)	4-Chloroaniline	9.13	127	452048	23.57	ug/mL	97
29)	Hexachlorobutadiene	9.20	225	529509	22.75	ug/mL	96
30)	4-Chloro-3-methylphenol	9.87	107	1012809	24.41	ug/mL	98
31)	2-Methylnaphthalene	10.08	142	1900064	22.74	ug/mL	99
34)	Hexachlorocyclopentadiene	10.35	237	197990	23.37	ug/mL	86
35)	2,4,6-Trichlorophenol	10.54	196	649717	22.88	ug/mL	96
36)	2,4,5-Trichlorophenol	10.59	196	664794	23.17	ug/mL	99
37)	2-Chloronaphthalene	10.85	162	1741074	22.15	ug/mL	99
38)	2-Nitroaniline	11.04	65	639191	24.34	ug/mL	95
39)	3-Nitroaniline	11.71	138	95575	18.25	ug/mL	97
40)	1-Methylnaphthalene	10.24	142	1714757	21.91	ug/mL	100
41)	Dimethylphthalate	11.37	163	2039985	22.54	ug/mL	99
42)	Acenaphthylene	11.51	152	2254921	21.50	ug/mL	100
43)	2,6-Dinitrotoluene	11.44	165	458707	23.82	ug/mL	96
44)	Acenaphthene	11.79	153	1572312	22.49	ug/mL	98
45)	2,4-Dinitrophenol	11.88	184	234597	27.55	ug/mL	95
46)	4-Nitrophenol	12.00	109	289989	26.46	ug/mL	90
47)	Dibenzofuran	12.08	168	2535076	22.47	ug/mL	100
48)	2,4-Dinitrotoluene	12.09	165	556493	23.37	ug/mL#	80
49)	Fluorene	12.62	166	1889210	22.68	ug/mL	99
50)	Diethylphthalate	12.51	149	1879831	22.73	ug/mL	99
51)	4-Chlorophenyl phenyl ethe	12.65	204	966295	21.95	ug/mL	95
52)	4-Nitroaniline	12.69	138	184702m	19.82	ug/mL	
56)	4,6-Dinitro-2-methylphenol	12.73	198	345263	26.71	ug/mL	97
57)	Diphenylamine	12.84	169	872804	18.92	ug/mL	98
58)	4-bromophenyl phenyl ether	13.43	248	536708	21.71	ug/mL	95
59)	Hexachlorobenzene	13.51	284	523566	22.28	ug/mL	98
60)	Pentachlorophenol	13.83	266	373486	24.86	ug/mL	96
61)	Phenanthrene	14.15	178	2489812	22.35	ug/mL	99
62)	Carbazole	14.51	167	567714	14.29	ug/mL	95
63)	Anthracene	14.24	178	2301652	22.35	ug/mL	100
64)	Azobenzene	12.90	77	2181823	22.51	ug/mL	99
65)	Di-n-Butylphthalate	15.15	149	3004141	22.11	ug/mL	100
66)	Fluoranthene	16.07	202	2552565	22.88	ug/mL	100
67)	alpha-BHC	13.44	183	389091	21.86	ug/mL	100
68)	beta-BHC	13.78	181	315495	22.75	ug/mL	98
69)	gamma-BHC	13.92	183	329269	22.91	ug/mL	99
70)	delta-BHC	14.28	183	297338	23.06	ug/mL	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721608.D Vial: 8
Acq On : 21 Jul 2005 12:42 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:01 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:00:30 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.93	100	393961	23.74 ug/mL	98
72)	Aldrin	15.42	66	403178	22.29 ug/mL	99
73)	Heptachlor Epoxide	15.93	353	139994	23.08 ug/mL	98
74)	Endosulfan I	16.42	195	102123	22.20 ug/mL	93
75)	4,4'-DDE	16.65	246	600743	23.19 ug/mL	99
76)	Dieldrin	16.77	79	498423	22.19 ug/mL	98
77)	Endrin	17.05	263	99145	27.37 ug/mL	97
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.18	235	1043672	22.49 ug/mL	100
80)	Endosulfan Sulfate	17.65	272	137631	23.32 ug/mL	99
81)	4,4'-DDT	17.66	235	845021	23.90 ug/mL	99
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.26	317	112485	23.58 ug/mL	94
84)	Methoxychlor	18.32	227	1758776	22.52 ug/mL#	1
86)	Pyrene	16.42	202	2457147	23.89 ug/mL	99
87)	Butylbenzylphthalate	17.55	149	1250098	24.61 ug/mL	98
88)	Benzo[a]anthracene	18.35	228	2175634	23.64 ug/mL	98
89)	3,3'-Dichlorobenzidine	18.35	252	323629	23.09 ug/mL	95
90)	Chrysene	18.41	228	1791111	23.45 ug/mL	98
91)	Bis(2-ethylhexyl)phthalate	18.51	149	1617949	23.59 ug/mL	98
94)	Di-n-octylphthalate	19.50	149	2626082	25.49 ug/mL	100
95)	Benzo[b]fluoranthene	20.00	252	1468444	24.33 ug/mL	99
96)	Benzo[k]fluoranthene	20.05	252	1375119	23.63 ug/mL	99
97)	Benzo[a]pyrene	20.55	252	1152135	24.77 ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	22.89	276	683190	26.51 ug/mL	97
99)	Dibenzo[a,h]anthracene	22.96	278	648916	28.24 ug/mL	98
100)	Benzo[g,h,i]perylene	23.56	276	700898	25.50 ug/mL	96

(#) = qualifier out of range (m) = manual integration

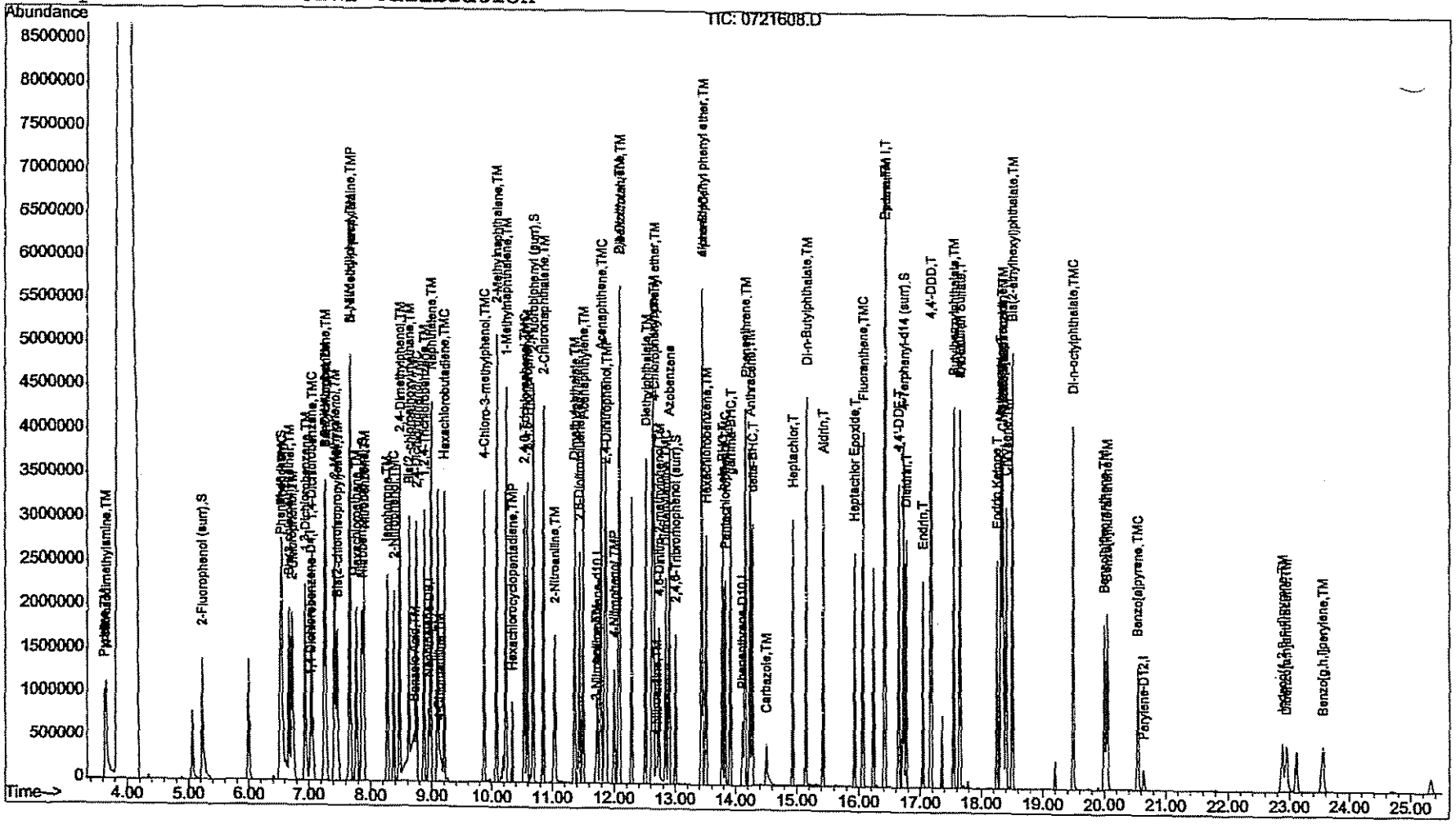
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6072105\0721608.D
Acq On : 21 Jul 2005 12:42 pm
Sample : SVCAL24
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:01 2005

Vial: 8
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration

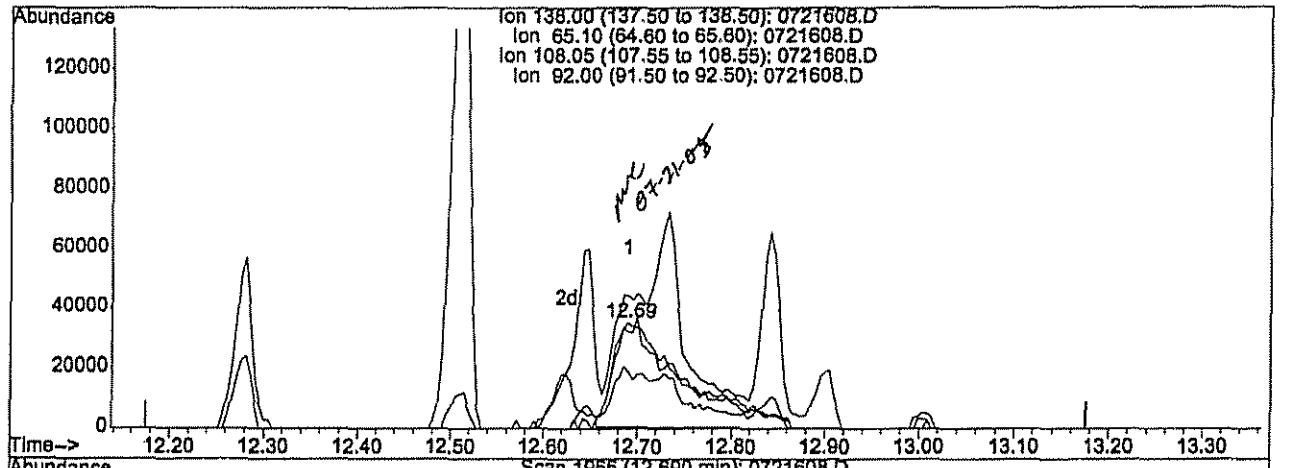


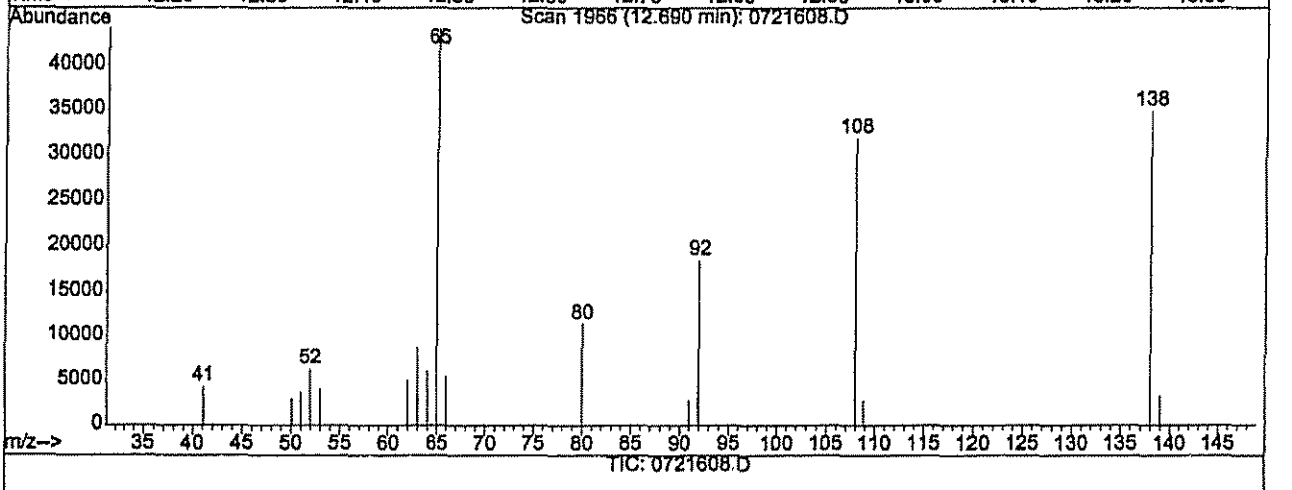
0721608.D 8270.M Thu Jul 21 14:11:18 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721608.D Vial: 8
Acq On : 21 Jul 2005 12:42 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:01 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:00:30 2005
Response via : Multiple Level Calibration





(52) 4-Nitroaniline (TM)

12.69min 19.82ug/mL m

response 184702

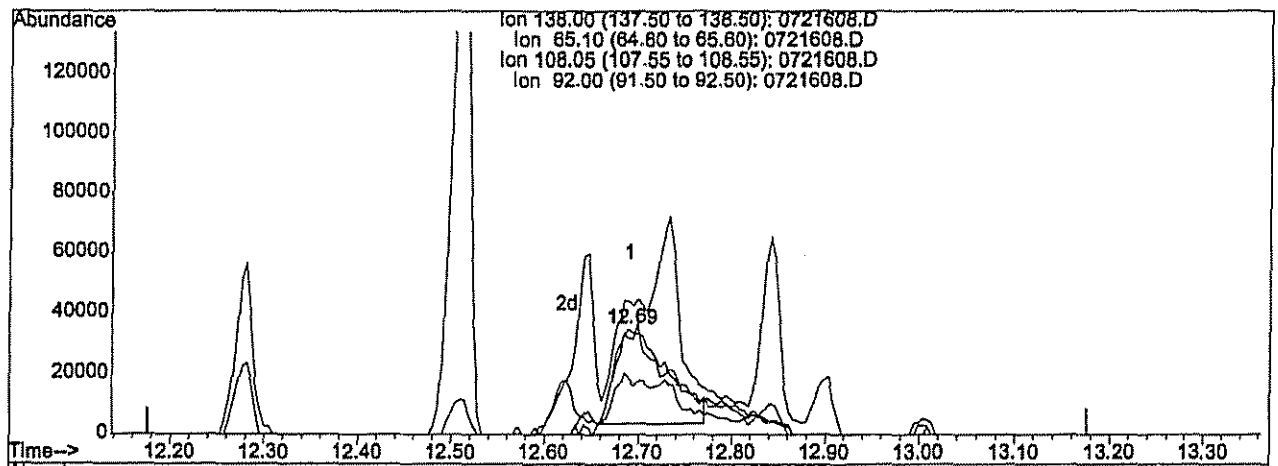
Ion	Exp%	Act%
138.00	100	100
65.10	114.90	126.02
108.05	86.20	91.30
92.00	49.30	52.96

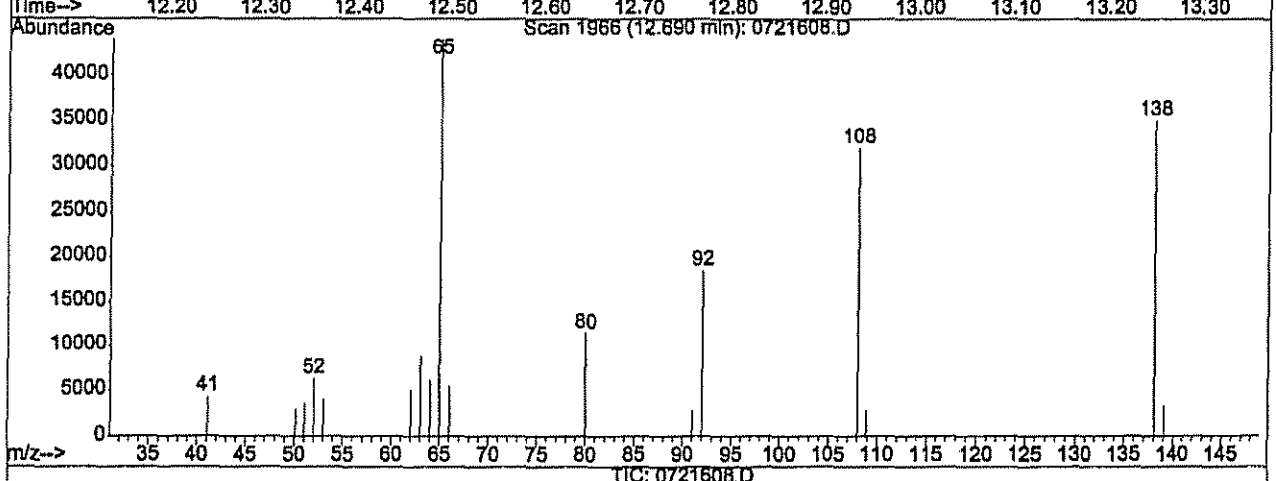
0721608.D 8270.M Thu Jul 21 14:01:18 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721608.D Vial: 8
Acq On : 21 Jul 2005 12:42 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:00 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:00:30 2005
Response via : Multiple Level Calibration





(52) 4-Nitroaniline (TM)

12.69min 13.35ug/mL

response 124374

Ion	Exp%	Act%
138.00	100	100
65.10	114.90	90.90#
108.05	86.20	91.66
92.00	49.30	48.24

0721608.D 8270.M Thu Jul 21 14:01:15 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721609.D Vial: 9
Acq On : 21 Jul 2005 1:16 pm Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:02 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:01:45 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MRC 07-21-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.03	152	138333	4.00	ug/mL	0.00
18) Naphthalene-D8	8.95	136	571046	4.00	ug/mL	0.01
33) Acenaphthene-d10	11.74	164	330788	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.12	188	486108	4.00	ug/mL	0.02
85) Chrysene-D12	18.38	240	294995	4.00	ug/mL	0.02
93) Perylene-D12	20.65	264	187831	4.00	ug/mL	0.01
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.24	112	1650145	47.11	ug/mL	0.03
Spiked Amount 10.000			Recovery	=	471.10%	
17) Phenol-d6 (surr)	6.55	99	2491299	44.66	ug/mL	0.04
Spiked Amount 10.000			Recovery	=	446.60%	
32) Nitrobenzene-d5 (surr)	7.88	128	901982	44.48	ug/mL	0.02
Spiked Amount 10.000			Recovery	=	444.80%	
53) 2-Fluorobiphenyl (surr)	10.70	172	4156107	44.09	ug/mL	0.02
Spiked Amount 10.000			Recovery	=	440.90%	
54) 2,4,6-Tribromophenol (surr	13.02	330	498196	51.72	ug/mL	0.02
Spiked Amount 10.000			Recovery	=	517.20%	
92) 4-Terphenyl-d14 (surr)	16.74	244	3880768	53.95	ug/mL	0.02
Spiked Amount 10.000			Recovery	=	539.50%	

Target Compounds						Qvalue
2) Pyridine	3.69	79	1476355	47.39	ug/mL#	49
3) N-Nitrosodimethylamine	3.76	74	1076360	47.46	ug/mL	97
4) Phenol	6.57	94	2655754	42.55	ug/mL	91
5) Bis(2-chloroethyl)ether	6.69	93	2210528	45.03	ug/mL	96
6) 2-Chlorophenol	6.73	128	2096352	44.19	ug/mL	98
7) Benzyl Alcohol	7.27	108	1530858	46.21	ug/mL	99
8) 1,3-Dichlorobenzene	6.95	146	2063502	44.79	ug/mL	99
9) 1,4-Dichlorobenzene	7.05	146	2120732	45.07	ug/mL	96
10) 1,2-Dichlorobenzene	7.28	146	1872214	43.63	ug/mL	97
11) 2-Methylphenol	7.44	107	1718537	44.11	ug/mL	98
12) 3-, 4-Methylphenol	7.69	107	2540246	44.91	ug/mL	98
13) Bis(2-chloroisopropyl)ethe	7.48	45	2450397	43.37	ug/mL	98
14) N-Nitrosodi-n-propylamine	7.72	70	1323968	44.80	ug/mL	99
15) Hexachloroethane	7.77	117	838678	45.81	ug/mL	96
19) Nitrobenzene	7.91	77	2438424	44.92	ug/mL	97
20) Isophorone	8.29	82	3639656	44.51	ug/mL	99
21) 2-Nitrophenol	8.38	139	1127836	41.94	ug/mL	90
22) 2,4-Dimethylphenol	8.49	122	1708411	45.46	ug/mL	97
23) Benzoic Acid	8.81	122	1289762m	59.39	ug/mL	
24) Bis(2-chloroethoxy)methane	8.64	93	2395212	43.84	ug/mL	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721609.D Vial: 9
Acq On : 21 Jul 2005 1:16 pm Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:02 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:01:45 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) 2,4-Dichlorophenol	8.76	162	1763969	44.66	ug/mL	100
26) 1,2,4-Trichlorobenzene	8.88	180	1786571	43.21	ug/mL	99
27) Naphthalene	9.00	128	5561051	44.14	ug/mL	99
28) 4-Chloroaniline	9.12	127	964869	45.70	ug/mL	93
29) Hexachlorobutadiene	9.21	225	1108264	43.47	ug/mL	99
30) 4-Chloro-3-methylphenol	9.89	107	2135601	46.52	ug/mL	96
31) 2-Methylnaphthalene	10.09	142	4124998	45.07	ug/mL	100
34) Hexachlorocyclopentadiene	10.35	237	510983	57.01	ug/mL	94
35) 2,4,6-Trichlorophenol	10.55	196	1377041	45.97	ug/mL	97
36) 2,4,5-Trichlorophenol	10.60	196	1415089	46.67	ug/mL	98
37) 2-Chloronaphthalene	10.86	162	3672397	44.48	ug/mL	99
38) 2-Nitroaniline	11.05	65	1314610	47.04	ug/mL	97
39) 3-Nitroaniline	11.73	138	343703	64.00	ug/mL	99
40) 1-Methylnaphthalene	10.25	142	3664028	44.64	ug/mL	99
41) Dimethylphthalate	11.39	163	4298422	45.11	ug/mL	99
42) Acenaphthylene	11.51	152	4006778	36.52	ug/mL	99
43) 2,6-Dinitrotoluene	11.47	165	955941	46.79	ug/mL	93
44) Acenaphthene	11.80	153	3345032	45.46	ug/mL	99
45) 2,4-Dinitrophenol	11.90	184	534022	57.83	ug/mL	92
46) 4-Nitrophenol	12.03	109	654508	55.43	ug/mL	88
47) Dibenzofuran	12.09	168	5369727	45.22	ug/mL	97
48) 2,4-Dinitrotoluene	12.11	165	1202675	47.74	ug/mL#	69
49) Fluorene	12.64	166	4046417	46.11	ug/mL	97
50) Diethylphthalate	12.53	149	3933544	45.12	ug/mL	98
51) 4-Chlorophenyl phenyl ethe	12.66	204	2031555	44.00	ug/mL	99
52) 4-Nitroaniline	12.71	138	312190	32.35	ug/mL	96
56) 4,6-Dinitro-2-methylphenol	12.76	198	791020	54.30	ug/mL	98
57) Diphenylamine	12.86	169	1165025	23.49	ug/mL	98
58) 4-bromophenyl phenyl ether	13.44	248	1143229	42.28	ug/mL	95
59) Hexachlorobenzene	13.52	284	1119880	43.41	ug/mL	93
60) Pentachlorophenol	13.84	266	838397	50.07	ug/mL	96
61) Phenanthrene	14.17	178	5355876	43.79	ug/mL	100
62) Carbazole	14.51	167	1588003	38.25	ug/mL	96
63) Anthracene	14.25	178	4995947	44.18	ug/mL	99
64) Azobenzene	12.91	77	4558234	42.78	ug/mL	99
65) Di-n-Butylphthalate	15.17	149	6461969	43.37	ug/mL	99
66) Fluoranthene	16.08	202	5691271	46.31	ug/mL	99
67) alpha-BHC	13.46	183	781602	40.19	ug/mL	98
68) beta-BHC	13.80	181	673622	44.19	ug/mL	98
69) gamma-BHC	13.93	183	687108	43.44	ug/mL	99
70) delta-BHC	14.29	183	627548	44.17	ug/mL	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072105\0721609.D Vial: 9
Acq On : 21 Jul 2005 1:16 pm Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:02 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:01:45 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Heptachlor	14.94	100	825315	44.93	ug/mL	97
72)	Aldrin	15.43	66	837302	42.24	ug/mL	99
73)	Heptachlor Epoxide	15.94	353	314041	46.99	ug/mL	99
74)	Endosulfan I	16.44	195	199433	39.59	ug/mL#	90
75)	4,4'-DDE	16.66	246	1321162	46.24	ug/mL	99
76)	Dieldrin	16.78	79	1073980	43.66	ug/mL	100
77)	Endrin	17.05	263	215277	52.36	ug/mL	95
78)	Endosulfan II	0.00	30	0	N.D.		
79)	4,4'-DDD	17.19	235	2138856	41.99	ug/mL	100
80)	Endosulfan Sulfate	17.66	272	218295	33.51	ug/mL	96
81)	4,4'-DDT	17.67	235	1691455	43.17	ug/mL	97
82)	Endrin Aldehyde	0.00	30	0	N.D.		
83)	Endrin Ketone	18.28	317	215637	40.88	ug/mL	97
84)	Methoxychlor	18.33	227	3275066	38.20	ug/mL#	1
86)	Pyrene	16.44	202	5512649	52.80	ug/mL#	95
87)	Butylbenzylphthalate	17.57	149	2421942	46.76	ug/mL	99
88)	Benzo[a]anthracene	18.37	228	4376023	46.90	ug/mL	99
89)	3,3'-Dichlorobenzidine	18.36	252	695288	49.10	ug/mL	93
90)	Chrysene	18.43	228	3569644	46.15	ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	18.51	149	3131724	45.05	ug/mL	99
94)	Di-n-octylphthalate	19.50	149	5035785	45.95	ug/mL	100
95)	Benzo[b]fluoranthene	20.02	252	3007680	47.16	ug/mL	99
96)	Benzo[k]fluoranthene	20.07	252	2570961	41.98	ug/mL	98
97)	Benzo[a]pyrene	20.57	252	2306545	46.82	ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	22.91	276	1691539	61.31	ug/mL	92
99)	Dibenzo[a,h]anthracene	22.98	278	1594726	64.18	ug/mL	97
100)	Benzo[g,h,i]perylene	23.59	276	1694824	57.95	ug/mL	96

(#) = qualifier out of range (m) = manual integration

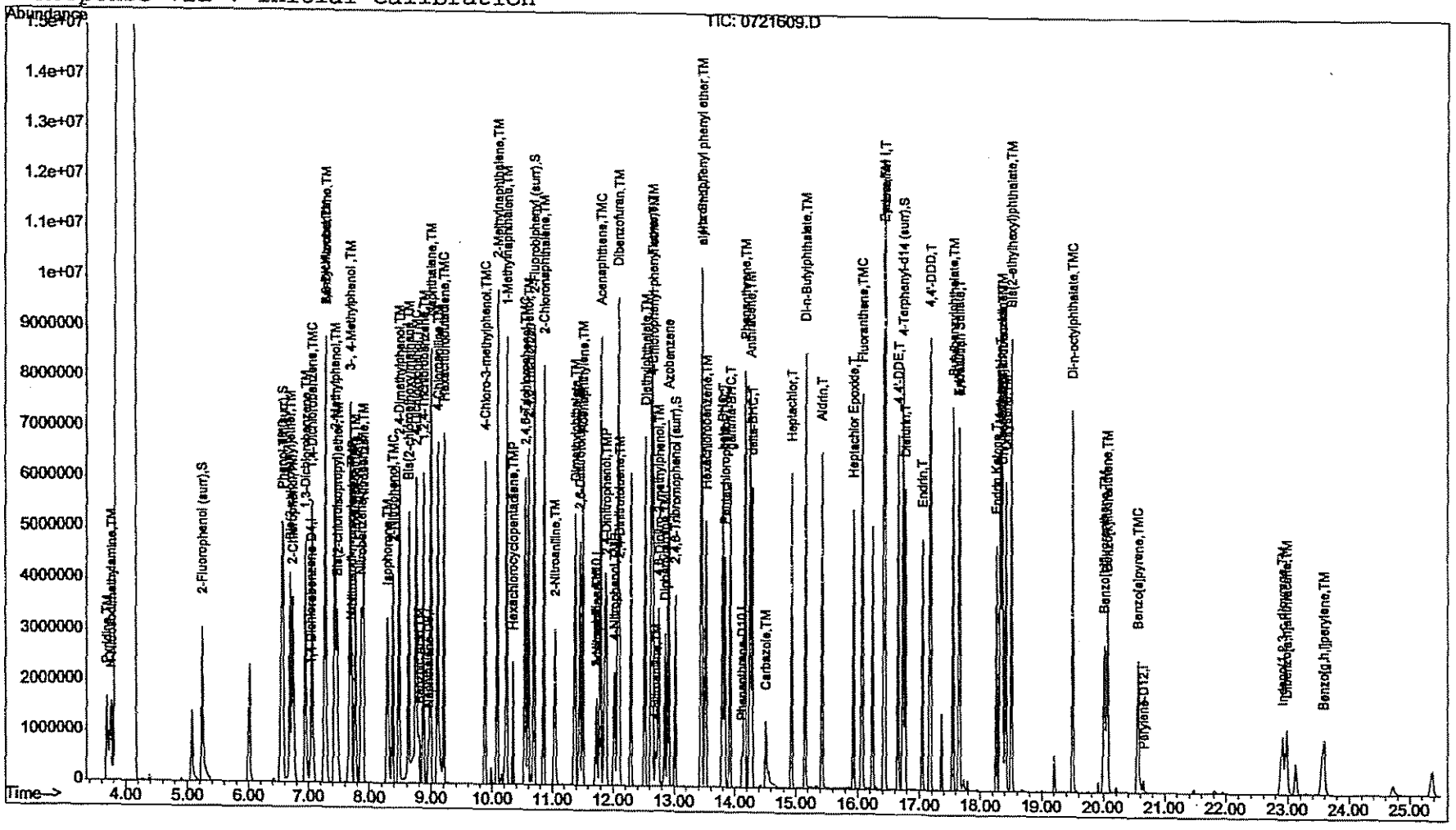
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6072105\0721609.D
Acq On : 21 Jul 2005 1:16 pm
Sample : SVCAL48
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:02 2005

Vial: 9
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration

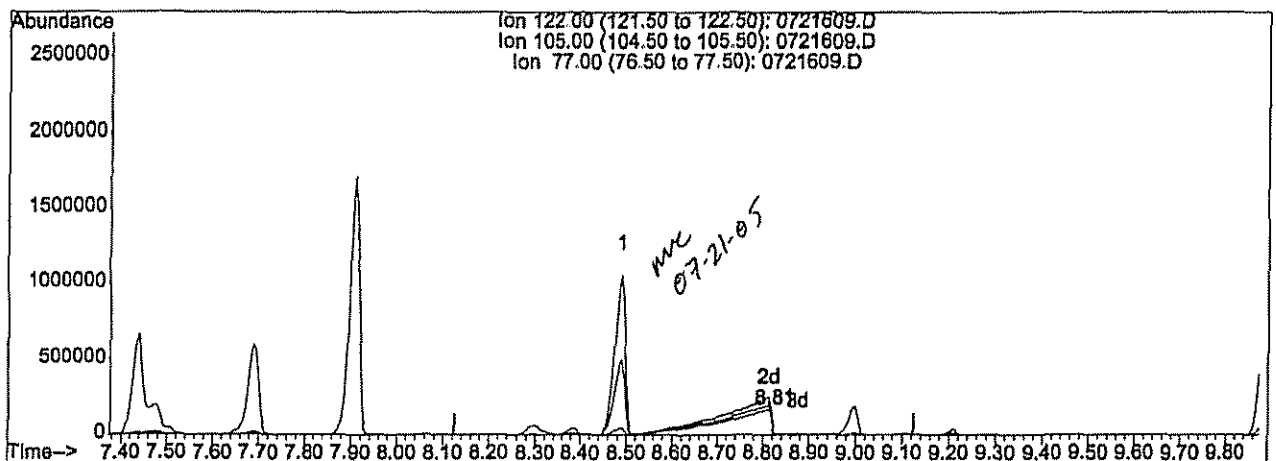


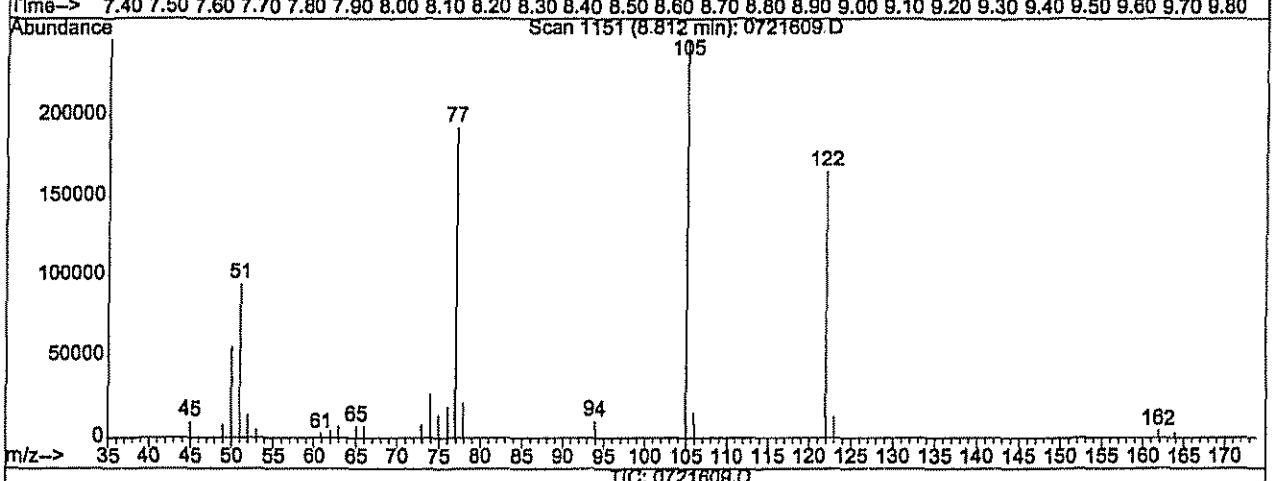
0721609.D 8270.M Thu Jul 21 14:11:30 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721609.D Vial: 9
Acq On : 21 Jul 2005 1:16 pm Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:02 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:01:45 2005
Response via : Multiple Level Calibration





TIC: 0721609.D

(23) Benzoic Acid (TM)

8.81min 59.39ug/mL m

response 1289762

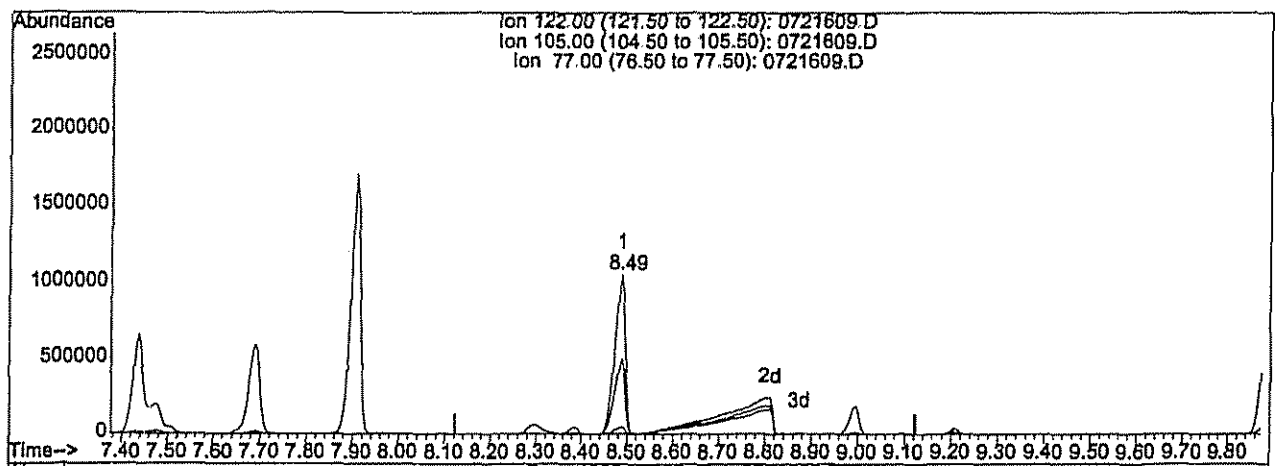
Ion	Exp%	Act%
122.00	100	100
105.00	143.90	5.75#
77.00	115.50	62.60#
0.00	0.00	0.00

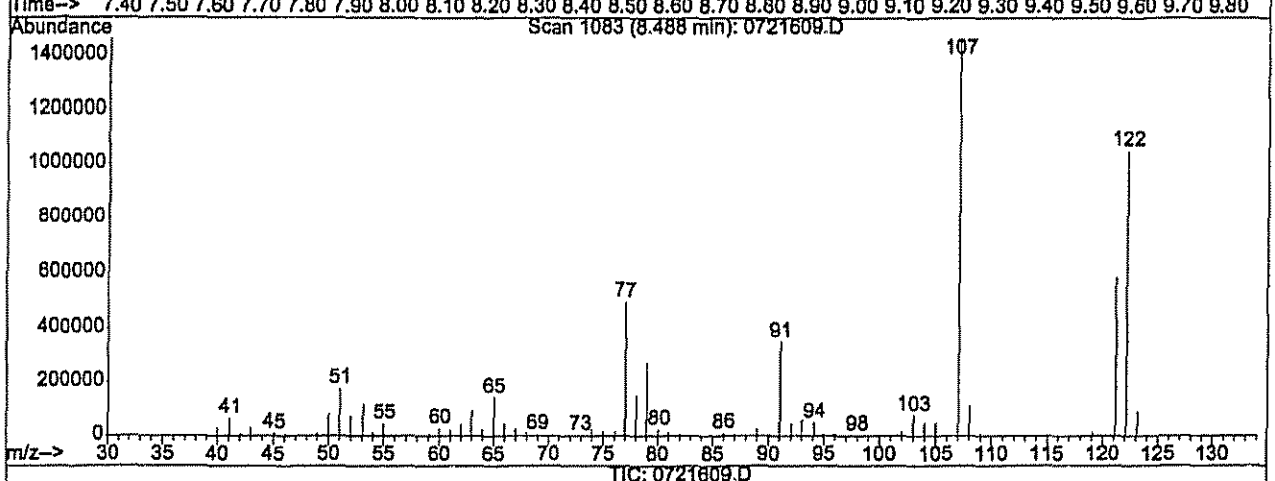
0721609.D 8270.M Thu Jul 21 14:02:23 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6072105\0721609.D Vial: 9
Acq On : 21 Jul 2005 1:16 pm Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 21 14:02 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6072105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:01:45 2005
Response via : Multiple Level Calibration





(23) Benzoic Acid (TM)

8.49min 78.66ug/mL

response 1708411

Ion	Exp%	Act%
122.00	100	100
105.00	143.90	4.34#
77.00	115.50	47.26#
0.00	0.00	0.00

0721609.D 8270.M Thu Jul 21 14:02:19 2005 ENV

625-BN CVS Raw Data

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\6072705\0727615.D Vial: 2
Acq On : 27 Jul 2005 4:58 pm Operator: MRC
Sample : SVCVS8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	134	-0.06
2	TM	Pyridine	0.901	0.893	0.9	113	0.00
3	TM	N-Nitrosodimethylamine	0.655	0.700	-6.9	149	0.00
4	TMC	Phenol	1.779	1.781	-0.1	136	-0.04
5	TM	Bis(2-chloroethyl)ether	1.409	1.325	6.0	130	-0.05
6	TM	2-Chlorophenol	1.358	1.291	4.9	132	-0.05
7	TM	Benzyl Alcohol	0.953	0.926	2.8	136	-0.05
8	TM	1,3-Dichlorobenzene	1.321	1.242	6.0	129	-0.06
9	TMC	1,4-Dichlorobenzene	1.350	1.283	5.0	130	-0.06
10	TM	1,2-Dichlorobenzene	1.227	1.155	5.9	130	-0.06
11	TM	2-Methylphenol	1.115	1.084	2.8	135	-0.05
12	TM	3-, 4-Methylphenol	1.622	1.573	3.0	135	-0.05
13	TM	Bis(2-chloroisopropyl)ether	1.614	1.555	3.7	134	-0.06
14	TMP	N-Nitrosodi-n-propylamine	0.847	0.849	-0.2	143	-0.06
15	TM	Hexachloroethane	0.526	0.509	3.2	136	-0.06
16	S	2-Fluorophenol (surr)	1.011	1.002	0.9	132	-0.03
17	S	Phenol-d6 (surr)	1.599	1.583	1.0	136	-0.04
18	I	Naphthalene-D8	1.000	1.000	0.0	129	-0.06
19	TM	Nitrobenzene	0.377	0.373	1.1	135	-0.06
20	TM	Isophorone	0.568	0.553	2.6	132	-0.05
21	TMC	2-Nitrophenol	0.185	0.174	5.9	132	-0.06
22	TM	2,4-Dimethylphenol	0.262	0.260	0.8	131	-0.05
23	TM	Benzoic Acid	0.152	0.195	-28.3#	172	0.00
24	TM	Bis(2-chloroethoxy)methane	0.379	0.361	4.7	130	-0.06
25	TMC	2,4-Dichlorophenol	0.274	0.271	1.1	134	-0.05
26	TM	1,2,4-Trichlorobenzene	0.286	0.269	5.9	128	-0.06
27	TM	Naphthalene	0.874	0.828	5.3	129	-0.06
28	TM	4-Chloroaniline	0.142	0.159	-12.0	185	-0.07
29	TMC	Hexachlorobutadiene	0.176	0.164	6.8	128	-0.06
30	TMC	4-Chloro-3-methylphenol	0.320	0.330	-3.1	141	-0.05
31	TM	2-Methylnaphthalene	0.636	0.610	4.1	130	-0.06
32	S	Nitrobenzene-d5 (surr)	0.141	0.140	0.7	136	-0.06
33	I	Acenaphthene-d10	1.000	1.000	0.0	129	-0.06
34	TMP	Hexachlorocyclopentadiene	0.111	0.157	-41.4#	223#	-0.06
35	TMC	2,4,6-Trichlorophenol	0.360	0.360	0.0	136	-0.06
36	TM	2,4,5-Trichlorophenol	0.365	0.390	-6.8	148	-0.06
37	TM	2-Chloronaphthalene	0.989	0.949	4.0	132	-0.06
38	TM	2-Nitroaniline	0.337	0.335	0.6	139	-0.05
39	TM	3-Nitroaniline	0.063	0.084	-33.3#	270#	-0.04

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\6072705\0727615.D Vial: 2
Acq On : 27 Jul 2005 4:58 pm Operator: MRC
Sample : SVCVS8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TM	1-Methylnaphthalene	0.984	0.918	6.7	126	-0.06
41	TM	Dimethylphthalate	1.144	1.110	3.0	132	-0.06
42	TM	Acenaphthylene	1.287	1.205	6.4	125	-0.06
43	TM	2,6-Dinitrotoluene	0.246	0.250	-1.6	137	-0.06
44	TMC	Acenaphthene	0.884	0.838	5.2	130	-0.06
45	TMP	2,4-Dinitrophenol	0.115	0.158	-37.4#	181	-0.05
46	TMP	4-Nitrophenol	0.146	0.189	-29.5#	185	-0.04
47	TM	Dibenzofuran	1.425	1.396	2.0	135	-0.06
48	TM	2,4-Dinitrotoluene	0.304	0.319	-4.9	143	-0.05
49	TM	Fluorene	1.056	1.053	0.3	137	-0.06
50	TM	Diethylphthalate	1.046	1.032	1.3	134	-0.06
51	TM	4-Chlorophenyl phenyl ether	0.553	0.537	2.9	130	-0.06
52	TM	4-Nitroaniline	0.117	0.132	-12.8	149	-0.05
53	S	2-Fluorobiphenyl (surr)	1.128	1.058	6.2	129	-0.06
54	S	2,4,6-Tribromophenol (surr)	0.118	0.128	-8.5	145	-0.06
55	I	Phenanthrene-D10	1.000	1.000	0.0	143	-0.06
56	TM	4,6-Dinitro-2-methylphenol	0.122	0.143	-17.2	174	-0.05
57	TMC	Diphenylamine	0.408	0.327	19.9	125	-0.06
58	TM	4-bromophenyl phenyl ether	0.219	0.196	10.5	135	-0.06
59	TM	Hexachlorobenzene	0.210	0.183	12.9	130	-0.06
60	TMC	Pentachlorophenol	0.139	0.141	-1.4	151	-0.06
61	TM	Phenanthrene	0.995	0.952	4.3	143	-0.06
62	TM	Carbazole	0.404	0.281	30.4#	115	-0.06
63	TM	Anthracene	0.921	0.887	3.7	145	-0.06
64		Azobenzene	0.865	0.793	8.3	139	-0.06
65	TM	Di-n-Butylphthalate	1.211	1.097	9.4	134	-0.06
66	TMC	Fluoranthene	1.007	0.972	3.5	145	-0.06
67	T	alpha-BHC	0.156	0.138	11.5	130	-0.06
68	T	beta-BHC	0.124	0.119	4.0	143	-0.05
69	T	gamma-BHC	0.128	0.119	7.0	135	-0.06
70	T	delta-BHC	0.116	0.112	3.4	140	-0.06
71	T	Heptachlor	0.150	0.146	2.7	144	-0.07
72	T	Aldrin	0.160	0.152	5.0	137	-0.07
73	T	Heptachlor Epoxide	0.055	0.050#	9.1	129	-0.06
74	T	Endosulfan I	0.040	0.038#	5.0	127	-0.06
75	T	4,4'-DDE	0.234	0.218	6.8	137	-0.06
76	T	Dieldrin	0.200	0.188	6.0	136	-0.07
77	T	Endrin	0.034	0.032#	5.9	144	-0.07
78	T	Endosulfan II	0.000	0.000#	0.0	0#	-19.14#
79	T	4,4'-DDD	0.412	0.365	11.4	130	-0.07

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\6072705\0727615.D Vial: 2
Acq On : 27 Jul 2005 4:58 pm Operator: MRC
Sample : SVCVS8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	T	Endosulfan Sulfate	0.051	0.047#	7.8	128	-0.07
81	T	4,4'-DDT	0.318	0.290	8.8	138	-0.06
82	T	Endrin Aldehyde	0.000	0.000#	0.0	0#	-20.71#
83	T	Endrin Ketone	0.042	0.036#	14.3	118	-0.06
84	T	Methoxychlor	0.685	0.601	12.3	124	-0.07
85	I	Chrysene-D12	1.000	1.000	0.0	124	-0.06
86	TM	Pyrene	1.433	1.510	-5.4	143	-0.06
87	TM	Butylbenzylphthalate	0.700	0.695	0.7	131	-0.06
88	TM	Benzo[a]anthracene	1.261	1.201	4.8	124	-0.06
89	TM	3,3'-Dichlorobenzidine	0.193	0.146	24.4#	99	-0.06
90	TM	Chrysene	1.044	1.005	3.7	123	-0.06
91	TM	Bis(2-ethylhexyl)phthalate	0.935	0.915	2.1	130	-0.06
92	S	4-Terphenyl-d14 (surr)	0.991	1.022	-3.1	140	-0.06
93	I	Perylene-D12	1.000	1.000	0.0	94	-0.08
94	TMC	Di-n-octylphthalate	2.322	2.780	-19.7	117	-0.07
95	TM	Benzo[b]fluoranthene	1.355	1.408	-3.9	102	-0.07
96	TM	Benzo[k]fluoranthene	1.284	1.334	-3.9	100	-0.08
97	TMC	Benzo[a]pyrene	1.046	1.036	1.0	99	-0.08
98	TM	Indeno(1,2,3-c,d)pyrene	0.608	0.490	19.4	81	-0.12
99	TM	Dibenzo[a,h]anthracene	0.551	0.462	16.2	87	-0.12
100	TM	Benzo[g,h,i]perylene	0.639	0.572	10.5	88	-0.12

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072705\0727615.D Vial: 2
Acq On : 27 Jul 2005 4:58 pm Operator: MRC
Sample : SVCVS8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 20:19 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MC 07.27.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.97	152	192305	4.00	ug/mL	-0.06
18) Naphthalene-D8	8.89	136	771257	4.00	ug/mL	-0.06
33) Acenaphthene-d10	11.67	164	452317	4.00	ug/mL	-0.06
55) Phenanthrene-D10	14.05	188	699961	4.00	ug/mL	-0.06
85) Chrysene-D12	18.30	240	431962	4.00	ug/mL	-0.06
93) Perylene-D12	20.56	264	218159	4.00	ug/mL	-0.08
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.18	112	385360	7.93	ug/mL	-0.03
Spiked Amount 10.000			Recovery = 79.30%			
17) Phenol-d6 (surr)	6.47	99	608885	7.92	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 79.20%			
32) Nitrobenzene-d5 (surr)	7.80	128	215883	7.96	ug/mL	-0.06
Spiked Amount 10.000			Recovery = 79.60%			
53) 2-Fluorobiphenyl (surr)	10.62	172	956800	7.50	ug/mL	-0.06
Spiked Amount 10.000			Recovery = 75.00%			
54) 2,4,6-Tribromophenol (surr	12.94	330	115431	8.68	ug/mL	-0.06
Spiked Amount 10.000			Recovery = 86.80%			
92) 4-Terphenyl-d14 (surr)	16.66	244	883107	8.26	ug/mL	-0.06
Spiked Amount 10.000			Recovery = 82.60%			
Target Compounds						Qvalue
2) Pyridine	3.61	79	343520	7.22	ug/mL#	60
3) N-Nitrosodimethylamine	3.61	74	269090	8.55	ug/mL	97
4) Phenol	6.49	94	685012	8.01	ug/mL	98
5) Bis(2-chloroethyl)ether	6.61	93	509726	7.53	ug/mL	98
6) 2-Chlorophenol	6.67	128	496693	7.61	ug/mL	97
7) Benzyl Alcohol	7.19	108	356306	7.77	ug/mL	99
8) 1,3-Dichlorobenzene	6.88	146	477660	7.52	ug/mL	99
9) 1,4-Dichlorobenzene	6.99	146	493534	7.60	ug/mL	96
10) 1,2-Dichlorobenzene	7.21	146	444245	7.53	ug/mL	98
11) 2-Methylphenol	7.36	107	416819	7.77	ug/mL	98
12) 3-, 4-Methylphenol	7.60	107	604971	7.76	ug/mL	98
13) Bis(2-chloroisopropyl)ethe	7.40	45	598166	7.71	ug/mL	99
14) N-Nitrosodi-n-propylamine	7.60	70	326403	8.01	ug/mL	99
15) Hexachloroethane	7.71	117	195717	7.73	ug/mL	100
19) Nitrobenzene	7.83	77	576074	7.92	ug/mL	98
20) Isophorone	8.20	82	852670	7.79	ug/mL	99
21) 2-Nitrophenol	8.31	139	268486	7.51	ug/mL	95
22) 2,4-Dimethylphenol	8.41	122	401479	7.96	ug/mL	98
23) Benzoic Acid	8.62	122	300737	10.25	ug/mL	99
24) Bis(2-chloroethoxy)methane	8.55	93	556188	7.62	ug/mL	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072705\0727615.D Vial: 2
Acq On : 27 Jul 2005 4:58 pm Operator: MRC
Sample : SVCVS8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 20:19 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Units	Qvalue
25)	2,4-Dichlorophenol	8.68	162	418355	7.91	ug/mL	99
26)	1,2,4-Trichlorobenzene	8.81	180	415107	7.53	ug/mL	99
27)	Naphthalene	8.92	128	1277066	7.58	ug/mL	99
28)	4-Chloroaniline	9.05	127	244973	9.56	ug/mL	94
29)	Hexachlorobutadiene	9.14	225	253576	7.45	ug/mL	98
30)	4-Chloro-3-methylphenol	9.81	107	508461	8.23	ug/mL	95
31)	2-Methylnaphthalene	10.01	142	941103	7.67	ug/mL	98
34)	Hexachlorocyclopentadiene	10.28	237	142347	11.00	ug/mL	93
35)	2,4,6-Trichlorophenol	10.48	196	325358	7.98	ug/mL	99
36)	2,4,5-Trichlorophenol	10.53	196	353231	8.55	ug/mL	96
37)	2-Chloronaphthalene	10.78	162	858855	7.68	ug/mL	99
38)	2-Nitroaniline	10.97	65	302998	7.95	ug/mL	99
39)	3-Nitroaniline	11.65	138	76064	16.06	ug/mL	92
40)	1-Methylnaphthalene	10.17	142	830747	7.47	ug/mL	100
41)	Dimethylphthalate	11.30	163	1003880	7.76	ug/mL	98
42)	Acenaphthylene	11.44	152	1090262	7.49	ug/mL	99
43)	2,6-Dinitrotoluene	11.38	165	226533	8.14	ug/mL	99
44)	Acenaphthene	11.72	153	757770	7.58	ug/mL	98
45)	2,4-Dinitrophenol	11.83	184	142896	10.17	ug/mL#	83
46)	4-Nitrophenol	11.94	109	170718	10.37	ug/mL	95
47)	Dibenzofuran	12.01	168	1263006	7.84	ug/mL	99
48)	2,4-Dinitrotoluene	12.02	165	288409	8.38	ug/mL#	81
49)	Fluorene	12.55	166	952919	7.98	ug/mL	97
50)	Diethylphthalate	12.44	149	934012	7.89	ug/mL	99
51)	4-Chlorophenyl phenyl ethe	12.58	204	485450	7.77	ug/mL	97
52)	4-Nitroaniline	12.63	138	119606m	9.06	ug/mL	
56)	4,6-Dinitro-2-methylphenol	12.67	198	200851	9.42	ug/mL	99
57)	Diphenylamine	12.78	169	458009	6.41	ug/mL	96
58)	4-bromophenyl phenyl ether	13.36	248	274010	7.14	ug/mL	97
59)	Hexachlorobenzene	13.44	284	255522	6.96	ug/mL	99
60)	Pentachlorophenol	13.77	266	197945	8.17	ug/mL	95
61)	Phenanthrene	14.09	178	1332648	7.65	ug/mL	100
62)	Carbazole	14.45	167	393547	5.57	ug/mL	99
63)	Anthracene	14.17	178	1241418	7.70	ug/mL	99
64)	Azobenzene	12.83	77	1109940	7.33	ug/mL	100
65)	Di-n-Butylphthalate	15.08	149	1535491	7.24	ug/mL	100
66)	Fluoranthene	16.00	202	1360915	7.72	ug/mL	98
67)	alpha-BHC	13.37	183	193037	7.06	ug/mL	98
68)	beta-BHC	13.72	181	166493	7.67	ug/mL	100
69)	gamma-BHC	13.85	183	166574	7.41	ug/mL	98
70)	delta-BHC	14.22	183	156982	7.76	ug/mL	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072705\0727615.D Vial: 2
Acq On : 27 Jul 2005 4:58 pm Operator: MRC
Sample : SVCVS8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 20:19 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration
DataAcq Meth : 8270

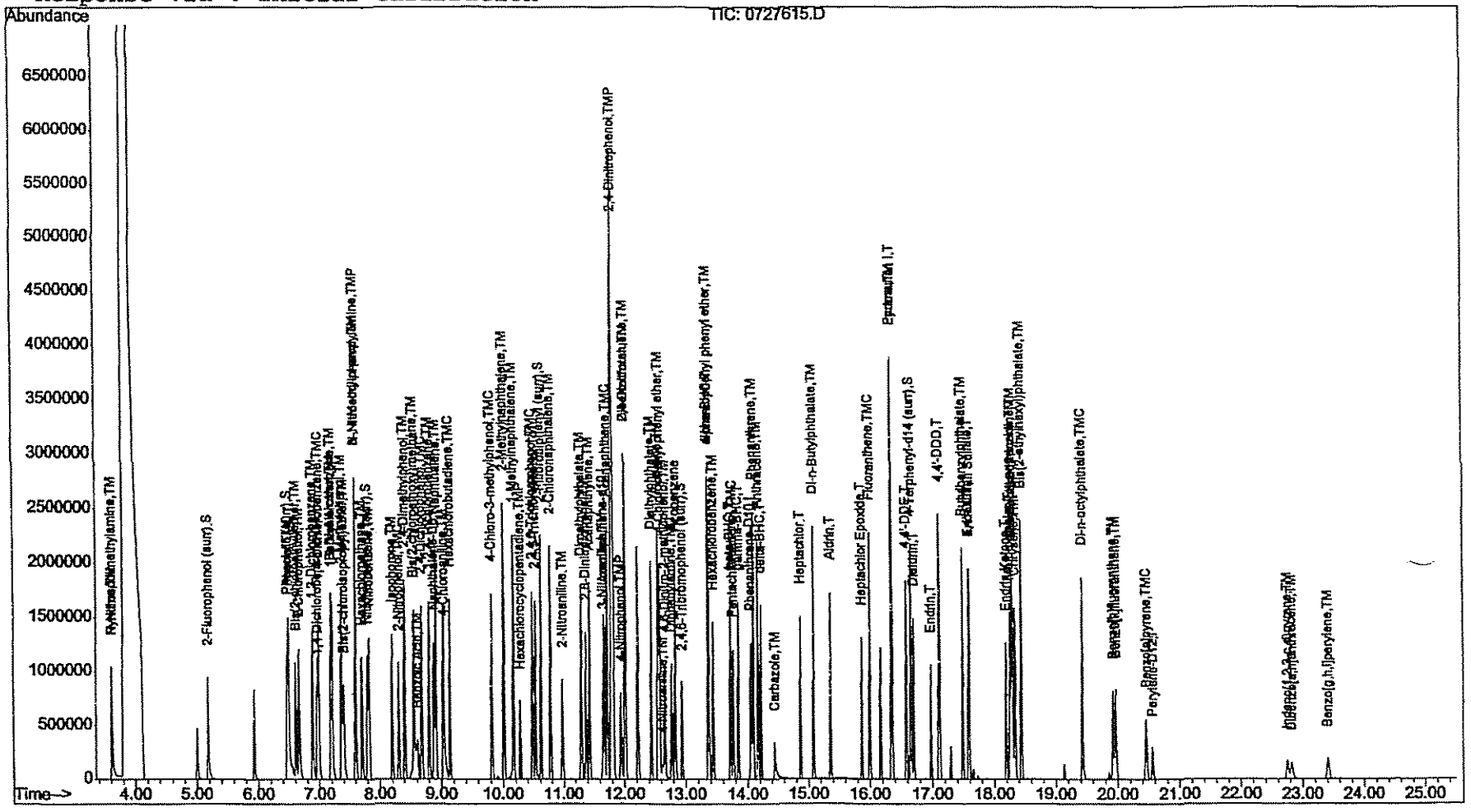
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.86	100	204780	7.81 ug/mL	98
72)	Aldrin	15.36	66	212416	7.57 ug/mL	98
73)	Heptachlor Epoxide	15.87	353	69557	7.25 ug/mL	98
74)	Endosulfan I	16.36	195	53368	7.55 ug/mL	96
75)	4,4'-DDE	16.58	246	304615	7.44 ug/mL	100
76)	Dieldrin	16.70	79	263668	7.54 ug/mL	100
77)	Endrin	16.98	263	45037	7.51 ug/mL	96
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.11	235	511146	7.10 ug/mL	100
80)	Endosulfan Sulfate	17.58	272	65603	7.31 ug/mL	98
81)	4,4'-DDT	17.59	235	406588	7.31 ug/mL	99
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.20	317	51052	6.87 ug/mL	98
84)	Methoxychlor	18.25	227	840973	7.02 ug/mL#	1
86)	Pyrene	16.35	202	1304725	8.43 ug/mL	99
87)	Butylbenzylphthalate	17.48	149	600833	7.95 ug/mL	97
88)	Benzo[a]anthracene	18.28	228	1037231	7.61 ug/mL	98
89)	3,3'-Dichlorobenzidine	18.28	252	125985	6.06 ug/mL	92
90)	Chrysene	18.34	228	868033	7.70 ug/mL	98
91)	Bis(2-ethylhexyl)phthalate	18.44	149	790625	7.83 ug/mL	98
94)	Di-n-octylphthalate	19.42	149	1213106	9.58 ug/mL	100
95)	Benzo[b]fluoranthene	19.92	252	614526	8.31 ug/mL	98
96)	Benzo[k]fluoranthene	19.97	252	582059	8.31 ug/mL	98
97)	Benzo[a]pyrene	20.46	252	451980	7.92 ug/mL	97
98)	Indeno(1,2,3-c,d)pyrene	22.75	276	213982	6.45 ug/mL	95
99)	Dibenzo[a,h]anthracene	22.82	278	201554	6.70 ug/mL	98
100)	Benzo[g,h,i]perylene	23.41	276	249522	7.16 ug/mL	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6072705\0727615.D Vial: 2
Acq On : 27 Jul 2005 4:58 pm Operator: MRC
Sample : SVCVS8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 27 20:19 2005 Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration



625-BN QC, Blanks Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072705\0727627.D Vial: 27
Acq On : 27 Jul 2005 11:52 pm Operator: MRC
Sample : PB3298 x1 Inst : MSD6
Misc : 8270 [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:10 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration
DataAcq Meth : 8270

mc 08-01-05

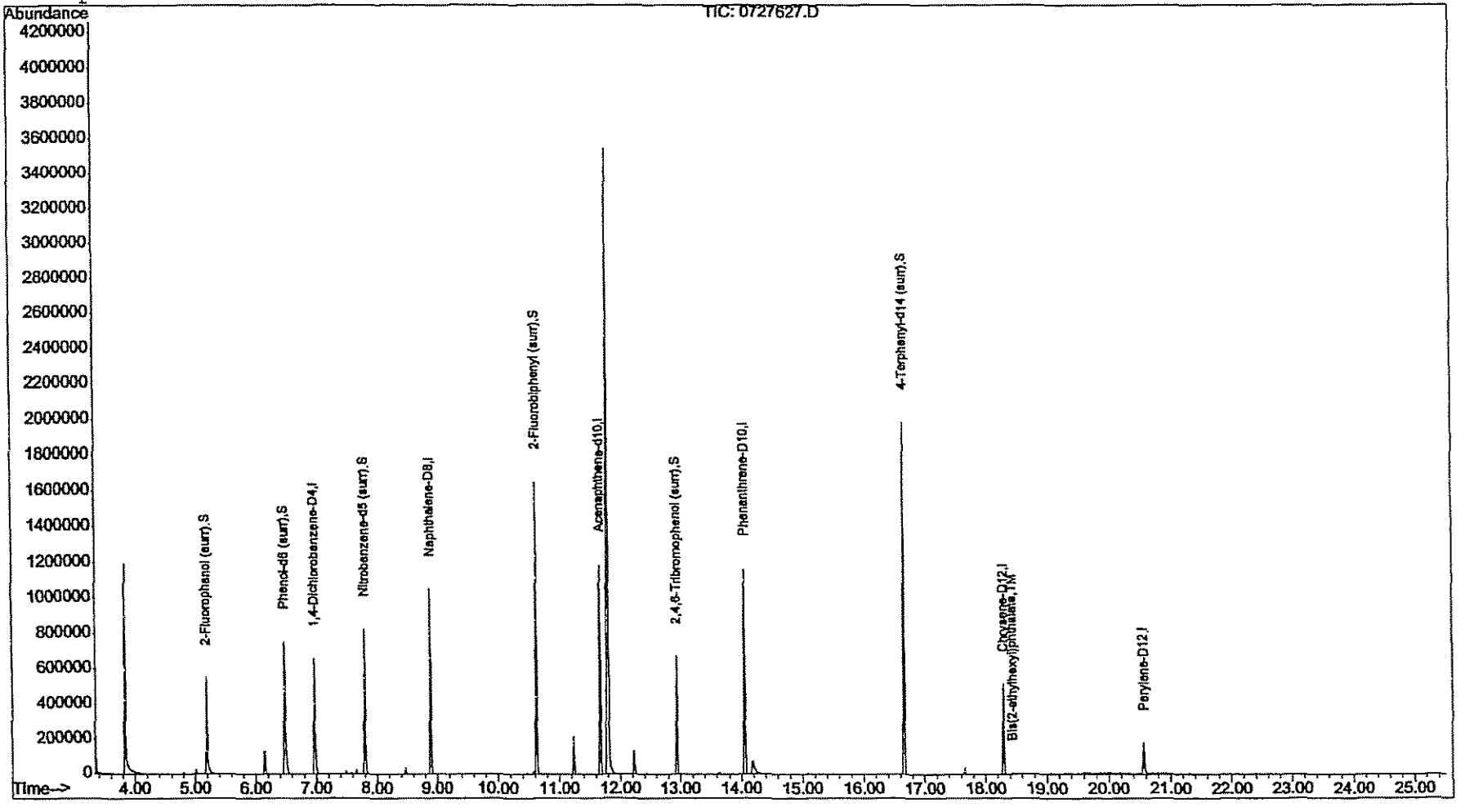
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.97	152	164631	4.00 ug/mL	-0.05
18) Naphthalene-D8	8.89	136	665321	4.00 ug/mL	-0.05
33) Acenaphthene-d10	11.67	164	395031	4.00 ug/mL	-0.05
55) Phenanthrene-D10	14.05	188	611222	4.00 ug/mL	-0.06
85) Chrysene-D12	18.29	240	285529	4.00 ug/mL	-0.06
93) Perylene-D12	20.56	264	145621	4.00 ug/mL	-0.08
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	5.18	112	248840	5.98 ug/mL	-0.03
Spiked Amount 10.000			Recovery	= 59.80%	
17) Phenol-d6 (surr)	6.48	99	438577	6.66 ug/mL	-0.04
Spiked Amount 10.000			Recovery	= 66.60%	
32) Nitrobenzene-d5 (surr)	7.80	128	154567	6.60 ug/mL	-0.05
Spiked Amount 10.000			Recovery	= 66.00%	
53) 2-Fluorobiphenyl (surr)	10.62	172	714835	6.42 ug/mL	-0.05
Spiked Amount 10.000			Recovery	= 64.20%	
54) 2,4,6-Tribromophenol (surr	12.94	330	93638	8.06 ug/mL	-0.06
Spiked Amount 10.000			Recovery	= 80.60%	
92) 4-Terphenyl-d14 (surr)	16.66	244	854283	12.08 ug/mL	-0.06
Spiked Amount 10.000			Recovery	= 120.80%	
Target Compounds					Qvalue
91) Bis(2-ethylhexyl)phthalate	18.44	149	5456	0.08 ug/mL#	48

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6072705\0727627.D Vial: 27
Acq On : 27 Jul 2005 11:52 pm Operator: MRC
Sample : PB3298 x1 Inst : MSD6
Misc : 8270 [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:10 2005 Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration



0727627.D 8270.M Mon Aug 01 09:48:12 2005 ENV Page 2

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6072705\0727627.D Vial: 27
Acq On : 27 Jul 2005 11:52 pm Operator: MRC
Sample : PB3298 x1 Inst : MSD6
Misc : 8270 [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Toluene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.84	6.70 ug/mL	1586440	1,4-Dichlorobenzene-D4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	94
2	Toluene	92	C7H8	000108-88-3	91
3	Toluene	92	C7H8	000108-88-3	91
4	Toluene	92	C7H8	000108-88-3	91
5	Toluene	92	C7H8	000108-88-3	91

****

Peak Number 2 1-Propene, 3,3,3-trichloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.14	0.72 ug/mL	170026	1,4-Dichlorobenzene-D4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 3,3,3-trichloro-	144	C3H3Cl3	002233-00-3	78
2	Quinuclidine	111	C7H13N	000100-76-5	5
3	3-Buten-2-one, 4-(1-aziridinyl)-	111	C6H9NO	018277-57-1	4
4	Pyrrolidine, 1-(1-propenyl)-	111	C7H13N	013937-88-7	4
5	Triallylvinylsilane	178	C11H18Si	000000-00-0	4

****

Peak Number 3 2-Fluoro-6-nitrophenol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	0.67 ug/mL	255917	Acenaphthene-d10	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Fluoro-6-nitrophenol	157	C6H4FNO3	001526-17-6	22
2	2-Hydroxy-5-ethyl-3-methylcyclopent	140	C8H12O2	082782-00-1	18
3	8-Nonynoic acid	154	C9H14O2	030964-01-3	14
4	Ethanamine, N-cyclopentylidene-	111	C7H13N	054966-05-1	14
5	1,12-Tridecadiene	180	C13H24	021964-48-7	12

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6072705\0727627.D Vial: 27
Acq On : 27 Jul 2005 11:52 pm Operator: MRC
Sample : PB3298 x1 Inst : MSD6
Misc : 8270 [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****
Peak Number 4 Disulfide, diethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	14.43 ug/mL	5494980	Acenaphthene-d10	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, diethyl	122	C4H10S2	000110-81-6	30
2	Pyrimidine, 5-methyl-, 1-oxide	110	C5H6N2O	017758-50-8	27
3	Diazene, dicyclohexyl-, 1,2-dioxide	226	C12H22N2O2	003378-45-8	16
4	Spiro[3.3]heptane-2,6-dione	124	C7H8O2	020061-23-8	16
5	Bicyclo[4.1.0]heptan-2-one	110	C7H10O	005771-58-4	16

****
Peak Number 5 2-Cyclohexen-1-one, oxime Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	0.50 ug/mL	188724	Acenaphthene-d10	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclohexen-1-one, oxime	111	C6H9NO	003349-62-0	25
2	1,4:5,8-Dimethanonaphthalen-9-ol, 1	176	C12H16O	028068-45-3	23
3	1-Penten-3-yne	66	C5H6	000646-05-9	7
4	3-Penten-1-yne, (E)-	66	C5H6	002004-69-5	7
5	3-Penten-1-yne, (E)-	66	C5H6	002004-69-5	7

****
Peak Number 6 Phenol, 3-fluoro-4-nitro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	0.63 ug/mL	235275	Phenanthrene-D10	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-fluoro-4-nitro-	157	C6H4FNO3	000394-41-2	9
2	5-Amino-1-ethylpyrazole	111	C5H9N3	003528-58-3	9
3	Formamide, N,N-bis(2-cyanoethyl)-	151	C7H9N3O	003445-84-9	9
4	Azocine, 1,2,3,4,7,8-hexahydro-	111	C7H13N	057502-48-4	7
5	4-Fluoro-2-nitrophenol	157	C6H4FNO3	000394-33-2	5

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6072705\0727627.D Vial: 27
Acq On : 27 Jul 2005 11:52 pm Operator: MRC
Sample : PB3298 x1 Inst : MSD6
Misc : 8270 [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****
Peak Number 7 Heptane, 3-ethyl-5-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	0.21 ug/mL	35607	Chrysene-D12	18.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	9
2	Azetidine, 1-methyl-	71	C4H9N	004923-79-9	5
3	2,6-Piperazinedione, monooxime	129	C4H7N3O2	056700-84-6	4
4	Thiophene, 2-nitro-	129	C4H3NO2S	000609-40-5	4
5	1,3,5-Triazine-2,4,6(1H,3H,5H)-trio	129	C3H3N3O3	000108-80-5	4

****
Peak Number 8 Ethane, isocyano- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.86	0.24 ug/mL	20808	Perylene-D12	20.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, isocyano-	55	C3H5N	000624-79-3	1
2	1-Nonanamine	143	C9H21N	000112-20-9	1
3	1-Heptanamine	115	C7H17N	000111-68-2	1
4	Propanoic acid, heptyl ester	172	C10H20O2	002216-81-1	1
5	1-Hepten-4-ol	114	C7H14O	003521-91-3	1

Tentatively Identified Compound (LSC) summary

Operator ID: MRC Date Acquired: 27 Jul 2005 11:52 pm
Data File: C:\HPCHEM\1\DATA\6072705\0727627.D
Name: PB3298 x1
Misc: 8270 [3520-3298]
Method: C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title: 5 POINT INITIAL CALIBRATION FOR 8270
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Toluene	3.84	6.7	ug/mL	1586440	ISTD01	6.97	946561	4.0
1-Propene, 3,3,3-tri	6.14	0.7	ug/mL	170026	ISTD01	6.97	946561	4.0
2-Fluoro-6-nitrophen	11.24	0.7	ug/mL	255917	ISTD03	11.67	1523610	4.0
Disulfide, diethyl	11.80	14.4	ug/mL	5494980	ISTD03	11.67	1523610	4.0
2-Cyclohexen-1-one,	12.22	0.5	ug/mL	188724	ISTD03	11.67	1523610	4.0
Phenol, 3-fluoro-4-n	14.18	0.6	ug/mL	235275	ISTD04	14.05	1484870	4.0
Heptane, 3-ethyl-5-m	17.66	0.2	ug/mL	35607	ISTD05	18.29	688120	4.0
Ethane, isocyano-	19.86	0.2	ug/mL	20808	ISTD06	20.56	350452	4.0

0727627.D 8270.M Mon Aug 01 10:14:06 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072705\0727628.D Vial: 28
Acq On : 28 Jul 2005 12:26 am Operator: MRC
Sample : LCS3298 x1 Inst : MSD6
Misc : 8270 [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:11 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration
DataAcq Meth : 8270

mc 08-01-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.97	152	140326	4.00	ug/mL	-0.05
18) Naphthalene-D8	8.89	136	579637	4.00	ug/mL	-0.05
33) Acenaphthene-d10	11.68	164	336046	4.00	ug/mL	-0.05
55) Phenanthrene-D10	14.05	188	533884	4.00	ug/mL	-0.05
85) Chrysene-D12	18.30	240	260834	4.00	ug/mL	-0.06
93) Perylene-D12	20.56	264	135321	4.00	ug/mL	-0.08
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.18	112	304807	8.60	ug/mL	-0.03
Spiked Amount 10.000			Recovery = 86.00%			
17) Phenol-d6 (surr)	6.48	99	523405	9.33	ug/mL	-0.03
Spiked Amount 10.000			Recovery = 93.30%			
32) Nitrobenzene-d5 (surr)	7.80	128	185086	9.08	ug/mL	-0.05
Spiked Amount 10.000			Recovery = 90.80%			
53) 2-Fluorobiphenyl (surr)	10.62	172	866502	9.14	ug/mL	-0.05
Spiked Amount 10.000			Recovery = 91.40%			
54) 2,4,6-Tribromophenol (surr	12.95	330	106404	10.77	ug/mL	-0.05
Spiked Amount 10.000			Recovery = 107.70%			
92) 4-Terphenyl-d14 (surr)	16.65	244	847026	13.11	ug/mL	-0.06
Spiked Amount 10.000			Recovery = 131.10%			
Target Compounds						Qvalue
3) N-Nitrosodimethylamine	3.57	74	224102	9.75	ug/mL	97
4) Phenol	6.50	94	539039	8.64	ug/mL	96
5) Bis(2-chloroethyl)ether	6.62	93	414537	8.39	ug/mL	98
6) 2-Chlorophenol	6.67	128	392349	8.23	ug/mL	96
7) Benzyl Alcohol	7.20	108	277886	8.31	ug/mL	97
8) 1,3-Dichlorobenzene	6.88	146	220851	4.77	ug/mL	99
9) 1,4-Dichlorobenzene	6.99	146	235243	4.97	ug/mL	99
10) 1,2-Dichlorobenzene	7.21	146	231654	5.38	ug/mL	96
11) 2-Methylphenol	7.37	107	353265	9.03	ug/mL	99
12) 3-, 4-Methylphenol	7.61	107	868463	15.26	ug/mL#	87
13) Bis(2-chloroisopropyl)ethe	7.40	45	495683	8.75	ug/mL	97
14) N-Nitrosodi-n-propylamine	7.61	70	298789	10.05	ug/mL	99
15) Hexachloroethane	7.71	117	60846	3.30	ug/mL	98
19) Nitrobenzene	7.83	77	506589	9.27	ug/mL	99
20) Isophorone	8.20	82	918819	11.17	ug/mL	100
21) 2-Nitrophenol	8.31	139	216753	8.07	ug/mL	95
22) 2,4-Dimethylphenol	8.41	122	327703	8.65	ug/mL	99
23) Benzoic Acid	8.61	122	227912	10.34	ug/mL	98
24) Bis(2-chloroethoxy)methane	8.56	93	506057	9.22	ug/mL	99
25) 2,4-Dichlorophenol	8.69	162	350138	8.81	ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072705\0727628.D Vial: 28
Acq On : 28 Jul 2005 12:26 am Operator: MRC
Sample : LCS3298 x1 Inst : MSD6
Misc : 8270 [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:11 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) 1,2,4-Trichlorobenzene	8.81	180	277706	6.70	ug/mL	98
27) Naphthalene	8.92	128	996660	7.87	ug/mL	99
28) 4-Chloroaniline	9.03	127	309757	15.66	ug/mL	93
29) Hexachlorobutadiene	9.14	225	146733	5.74	ug/mL	99
30) 4-Chloro-3-methylphenol	9.82	107	434749	9.37	ug/mL	98
31) 2-Methylnaphthalene	10.02	142	722702	7.84	ug/mL	94
34) Hexachlorocyclopentadiene	10.28	237	24979	3.48	ug/mL#	87
35) 2,4,6-Trichlorophenol	10.48	196	270422	8.93	ug/mL	97
36) 2,4,5-Trichlorophenol	10.54	196	297122	9.68	ug/mL	99
37) 2-Chloronaphthalene	10.79	162	764590	9.20	ug/mL	99
38) 2-Nitroaniline	10.98	65	290847	10.27	ug/mL	99
39) 3-Nitroaniline	11.64	138	176887	32.86	ug/mL#	98
40) 1-Methylnaphthalene	10.17	142	709860	8.59	ug/mL	100
41) Dimethylphthalate	11.30	163	959708	9.99	ug/mL	99
42) Acenaphthylene	11.44	152	1139142	10.54	ug/mL	99
43) 2,6-Dinitrotoluene	11.38	165	217399	10.51	ug/mL	97
44) Acenaphthene	11.73	153	717981	9.67	ug/mL	99
45) 2,4-Dinitrophenol	11.82	184	79696	7.85	ug/mL	93
46) 4-Nitrophenol	11.96	109	164062	13.42	ug/mL	87
47) Dibenzofuran	12.01	168	1088534	9.09	ug/mL	97
48) 2,4-Dinitrotoluene	12.02	165	289579	11.32	ug/mL#	79
49) Fluorene	12.56	166	930140	10.49	ug/mL	96
50) Diethylphthalate	12.45	149	929871	10.58	ug/mL	98
51) 4-Chlorophenyl phenyl ethe	12.58	204	464023	10.00	ug/mL	96
52) 4-Nitroaniline	12.62	138	175443	17.90	ug/mL	87
56) 4,6-Dinitro-2-methylphenol	12.67	198	122282	7.52	ug/mL	92
57) Diphenylamine	12.78	169	716756	13.16	ug/mL	97
58) 4-bromophenyl phenyl ether	13.36	248	260449	8.90	ug/mL	97
59) Hexachlorobenzene	13.44	284	253881	9.07	ug/mL	99
60) Pentachlorophenol	13.77	266	152966	8.27	ug/mL	95
61) Phenanthrene	14.09	178	1283124	9.66	ug/mL	99
63) Anthracene	14.17	178	1240721	10.09	ug/mL	99
64) Azobenzene	12.84	77	1032949	8.95	ug/mL	99
65) Di-n-Butylphthalate	15.09	149	1591483	9.85	ug/mL	100
66) Fluoranthene	16.00	202	1329350	9.89	ug/mL	99
86) Pyrene	16.36	202	1311514	14.03	ug/mL	99
87) Butylbenzylphthalate	17.49	149	562552	12.32	ug/mL	96
88) Benzo[a]anthracene	18.28	228	781640	9.50	ug/mL	98
89) 3,3'-Dichlorobenzidine	18.28	252	188754	15.03	ug/mL	94
90) Chrysene	18.34	228	735019	10.80	ug/mL	98
91) Bis(2-ethylhexyl)phthalate	18.44	149	707076	11.59	ug/mL	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072705\0727628.D Vial: 28
Acq On : 28 Jul 2005 12:26 am Operator: MRC
Sample : LCS3298 x1 Inst : MSD6
Misc : 8270 [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:11 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
94)	Di-n-octylphthalate	19.43	149	967253	12.32 ug/mL	100
95)	Benzo[b]fluoranthene	19.93	252	494040	10.78 ug/mL	98
96)	Benzo[k]fluoranthene	19.97	252	500345	11.52 ug/mL	99
97)	Benzo[a]pyrene	20.46	252	388013	10.97 ug/mL	98
98)	Indeno(1,2,3-c,d)pyrene	22.76	276	216016	10.50 ug/mL	93
99)	Dibenzo[a,h]anthracene	22.83	278	217314	11.65 ug/mL	97
100)	Benzo[g,h,i]perylene	23.42	276	225863	10.45 ug/mL	96

(#) = qualifier out of range (m) = manual integration

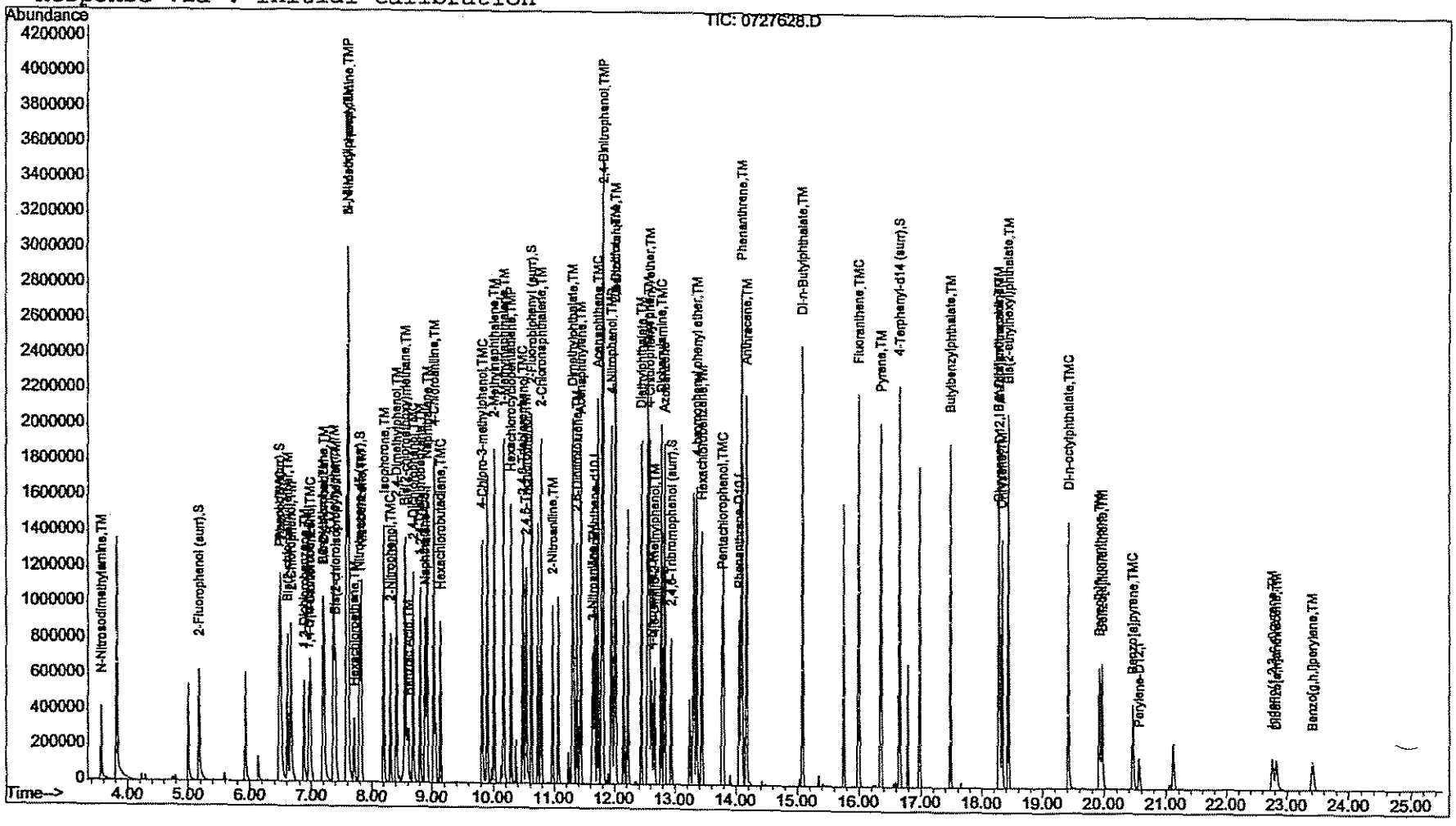
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6072705\0727628.D
Acq On : 28 Jul 2005 12:26 am
Sample : LCS3298 x1
Misc : 8270 [3520-3298]
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:11 2005

Vial: 28
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration



0727628.D 8270.M Mon Aug 01 09:48:20 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072705\0727629.D Vial: 29
Acq On : 28 Jul 2005 1:00 am Operator: MRC
Sample : G111-769-1G MS x1 Inst : MSD6
Misc : 8270 [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:12 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MM 08.01.05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.97	152	153444	4.00 ug/mL	-0.06
18) Naphthalene-D8	8.89	136	631221	4.00 ug/mL	-0.06
33) Acenaphthene-d10	11.67	164	361141	4.00 ug/mL	-0.06
55) Phenanthrene-D10	14.05	188	574307	4.00 ug/mL	-0.06
85) Chrysene-D12	18.30	240	300039	4.00 ug/mL	-0.06
93) Perylene-D12	20.56	264	162887	4.00 ug/mL	-0.08
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	5.19	112	371777	9.59 ug/mL	-0.03
Spiked Amount 10.000			Recovery	= 95.90%	
17) Phenol-d6 (surr)	6.48	99	606962	9.90 ug/mL	-0.04
Spiked Amount 10.000			Recovery	= 99.00%	
32) Nitrobenzene-d5 (surr)	7.80	128	217226	9.78 ug/mL	-0.05
Spiked Amount 10.000			Recovery	= 97.80%	
53) 2-Fluorobiphenyl (surr)	10.62	172	962642	9.45 ug/mL	-0.06
Spiked Amount 10.000			Recovery	= 94.50%	
54) 2,4,6-Tribromophenol (surr	12.95	330	114925	10.82 ug/mL	-0.05
Spiked Amount 10.000			Recovery	= 108.20%	
92) 4-Terphenyl-d14 (surr)	16.65	244	902189	12.14 ug/mL	-0.06
Spiked Amount 10.000			Recovery	= 121.40%	

Target Compounds					Qvalue
3) N-Nitrosodimethylamine	3.57	74	266677	10.62 ug/mL	97
4) Phenol	6.50	94	637383	9.34 ug/mL	98
5) Bis(2-chloroethyl)ether	6.61	93	496570	9.19 ug/mL	100
6) 2-Chlorophenol	6.67	128	466681	8.96 ug/mL	97
7) Benzyl Alcohol	7.19	108	331237	9.06 ug/mL	98
8) 1,3-Dichlorobenzene	6.88	146	302576	5.97 ug/mL	99
9) 1,4-Dichlorobenzene	6.99	146	328250	6.34 ug/mL	97
10) 1,2-Dichlorobenzene	7.21	146	313629	6.66 ug/mL	96
11) 2-Methylphenol	7.37	107	398540	9.32 ug/mL	99
12) 3-, 4-Methylphenol	7.61	107	1001485	16.09 ug/mL#	87
13) Bis(2-chloroisopropyl)ethe	7.40	45	594243	9.60 ug/mL	99
14) N-Nitrosodi-n-propylamine	7.60	70	357180	10.99 ug/mL	99
15) Hexachloroethane	7.71	117	99244	4.92 ug/mL	95
19) Nitrobenzene	7.83	77	625372	10.51 ug/mL	100
20) Isophorone	8.20	82	1064599	11.89 ug/mL	99
21) 2-Nitrophenol	8.31	139	256996	8.78 ug/mL	95
22) 2,4-Dimethylphenol	8.41	122	312760	7.58 ug/mL	98
23) Benzoic Acid	8.63	122	272138	11.34 ug/mL	95
24) Bis(2-chloroethoxy)methane	8.56	93	587501	9.83 ug/mL	99
25) 2,4-Dichlorophenol	8.69	162	403337	9.32 ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072705\0727629.D Vial: 29
Acq On : 28 Jul 2005 1:00 am Operator: MRC
Sample : G111-769-1G MS x1 Inst : MSD6
Misc : 8270 [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:12 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 1,2,4-Trichlorobenzene	8.81	180	372014	8.24 ug/mL	100
27) Naphthalene	8.92	128	1656634	12.02 ug/mL	100
28) 4-Chloroaniline	9.03	127	352773	16.35 ug/mL	92
29) Hexachlorobutadiene	9.14	225	209795	7.53 ug/mL	98
30) 4-Chloro-3-methylphenol	9.82	107	493078	9.75 ug/mL	98
31) 2-Methylnaphthalene	10.02	142	1016832	10.13 ug/mL	98
34) Hexachlorocyclopentadiene	10.29	237	32200	3.94 ug/mL#	85
35) 2,4,6-Trichlorophenol	10.49	196	308153	9.47 ug/mL	96
36) 2,4,5-Trichlorophenol	10.54	196	338153	10.25 ug/mL	97
37) 2-Chloronaphthalene	10.78	162	875182	9.80 ug/mL	98
38) 2-Nitroaniline	10.98	65	330436	10.86 ug/mL	98
39) 3-Nitroaniline	11.65	138	189604	32.81 ug/mL	97
40) 1-Methylnaphthalene	10.17	142	862481	9.71 ug/mL	99
41) Dimethylphthalate	11.31	163	1062873	10.29 ug/mL	99
42) Acenaphthylene	11.45	152	1275741	10.98 ug/mL	98
43) 2,6-Dinitrotoluene	11.38	165	240930	10.84 ug/mL	95
44) Acenaphthene	11.73	153	812303	10.18 ug/mL	99
45) 2,4-Dinitrophenol	11.82	184	107459	9.63 ug/mL#	86
46) 4-Nitrophenol	11.96	109	185862	14.14 ug/mL#	84
47) Dibenzofuran	12.01	168	1233978	9.59 ug/mL	97
48) 2,4-Dinitrotoluene	12.03	165	324696	11.81 ug/mL#	76
49) Fluorene	12.56	166	1051784	11.03 ug/mL	98
50) Diethylphthalate	12.44	149	1034584	10.95 ug/mL	99
51) 4-Chlorophenyl phenyl ethe	12.58	204	507186	10.17 ug/mL	95
52) 4-Nitroaniline	12.63	138	196098	18.61 ug/mL	92
56) 4,6-Dinitro-2-methylphenol	12.67	198	159383	9.11 ug/mL	95
57) Diphenylamine	12.78	169	774059	13.21 ug/mL	96
58) 4-bromophenyl phenyl ether	13.36	248	294540	9.36 ug/mL	98
59) Hexachlorobenzene	13.44	284	277667	9.22 ug/mL	99
60) Pentachlorophenol	13.78	266	179896	9.04 ug/mL	92
61) Phenanthrene	14.09	178	1436100	10.05 ug/mL	99
63) Anthracene	14.18	178	1374380	10.39 ug/mL	99
64) Azobenzene	12.83	77	1163805	9.37 ug/mL	99
65) Di-n-Butylphthalate	15.09	149	1753235	10.08 ug/mL	99
66) Fluoranthene	16.00	202	1501014	10.38 ug/mL	98
86) Pyrene	16.35	202	1477555	13.74 ug/mL	100
87) Butylbenzylphthalate	17.49	149	646427	12.31 ug/mL	97
88) Benzo[a]anthracene	18.28	228	930096	9.83 ug/mL	98
89) 3,3'-Dichlorobenzidine	18.28	252	212272	14.70 ug/mL	91
90) Chrysene	18.34	228	864770	11.05 ug/mL	99
91) Bis(2-ethylhexyl)phthalate	18.44	149	833409	11.88 ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072705\0727629.D Vial: 29
Acq On : 28 Jul 2005 1:00 am Operator: MRC
Sample : G111-769-1G MS x1 Inst : MSD6
Misc : 8270 [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:12 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
94)	Di-n-octylphthalate	19.43	149	1153101	12.20 ug/mL	100
95)	Benzo[b]fluoranthene	19.93	252	602350	10.91 ug/mL	99
96)	Benzo[k]fluoranthene	19.97	252	620360	11.87 ug/mL	98
97)	Benzo[a]pyrene	20.46	252	462608	10.86 ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	22.76	276	267762	10.82 ug/mL	97
99)	Dibenzo[a,h]anthracene	22.83	278	262610	11.69 ug/mL	95
100)	Benzo[g,h,i]perylene	23.42	276	266194	10.23 ug/mL#	92

(#) = qualifier out of range (m) = manual integration

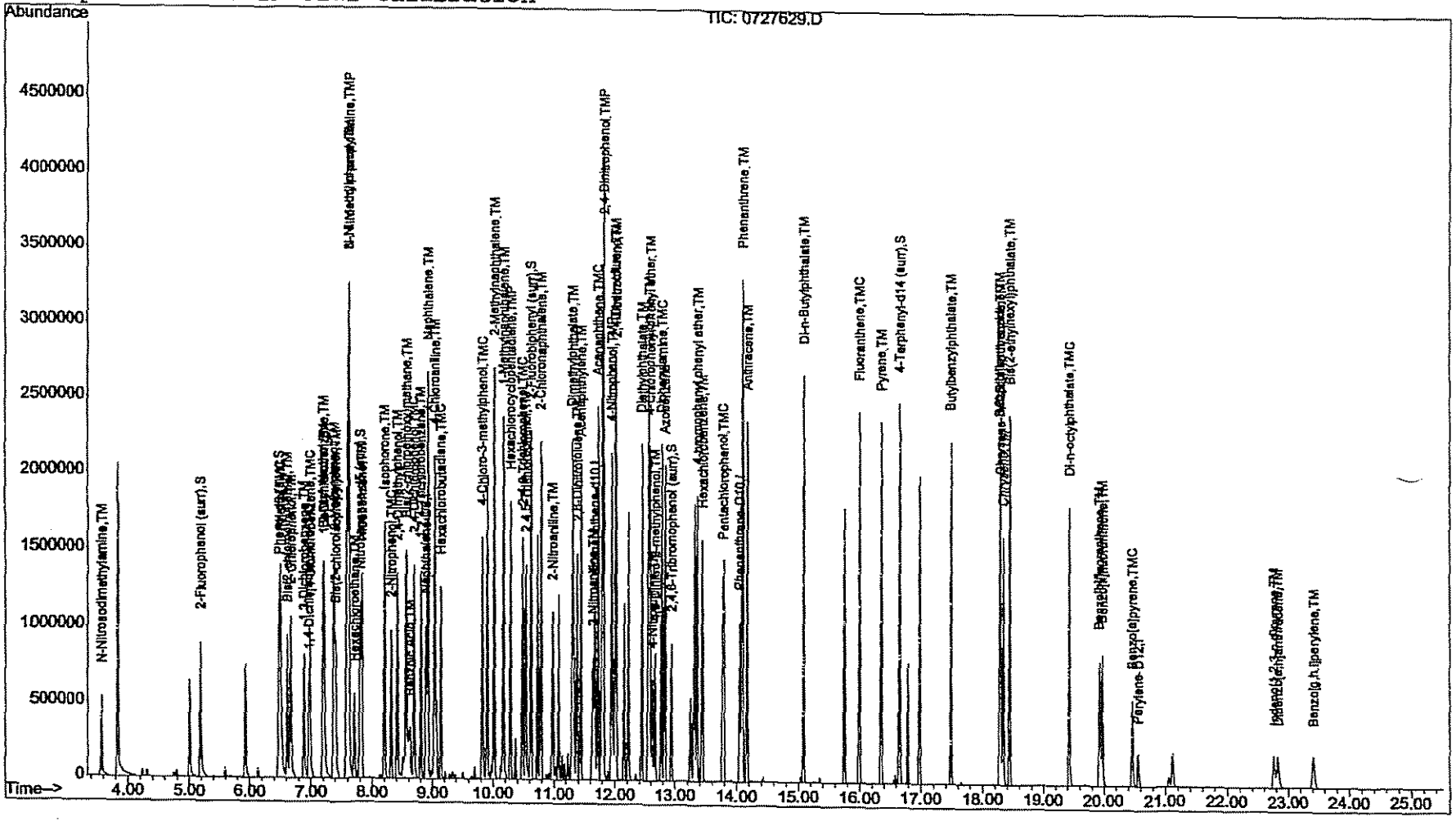
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6072705\0727629.D
Acq On : 28 Jul 2005 1:00 am
Sample : G111-769-1G MS x1
Misc : 8270 [3520-3298]
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:12 2005

Vial: 29
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration



0727629.D 8270.M Mon Aug 01 09:48:29 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072705\0727630.D Vial: 30
Acq On : 28 Jul 2005 1:35 am Operator: MRC
Sample : G111-769-1H MSD x1 Inst : MSD6
Misc : 8270 [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:13 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.97	152	157671	4.00	ug/mL	-0.05
18) Naphthalene-D8	8.89	136	634169	4.00	ug/mL	-0.05
33) Acenaphthene-d10	11.67	164	357683	4.00	ug/mL	-0.05
55) Phenanthrene-D10	14.05	188	576659	4.00	ug/mL	-0.05
85) Chrysene-D12	18.30	240	311057	4.00	ug/mL	-0.06
93) Perylene-D12	20.56	264	174046	4.00	ug/mL	-0.08
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.19	112	364900	9.16	ug/mL	-0.03
Spiked Amount 10.000			Recovery = 91.60%			
17) Phenol-d6 (surr)	6.48	99	625110	9.92	ug/mL	-0.03
Spiked Amount 10.000			Recovery = 99.20%			
32) Nitrobenzene-d5 (surr)	7.80	128	227595	10.20	ug/mL	-0.05
Spiked Amount 10.000			Recovery = 102.00%			
53) 2-Fluorobiphenyl (surr)	10.62	172	999263	9.90	ug/mL	-0.05
Spiked Amount 10.000			Recovery = 99.00%			
54) 2,4,6-Tribromophenol (surr	12.95	330	122695	11.67	ug/mL	-0.05
Spiked Amount 10.000			Recovery = 116.70%			
92) 4-Terphenyl-d14 (surr)	16.66	244	947290	12.30	ug/mL	-0.06
Spiked Amount 10.000			Recovery = 123.00%			

Target Compounds						Qvalue
3) N-Nitrosodimethylamine	3.57	74	282015	10.93	ug/mL	96
4) Phenol	6.50	94	641291	9.14	ug/mL	96
5) Bis(2-chloroethyl)ether	6.62	93	494979	8.92	ug/mL	99
6) 2-Chlorophenol	6.67	128	464124	8.67	ug/mL	96
7) Benzyl Alcohol	7.19	108	333346	8.87	ug/mL	97
8) 1,3-Dichlorobenzene	6.89	146	273766	5.26	ug/mL	97
9) 1,4-Dichlorobenzene	6.99	146	294799	5.54	ug/mL	96
10) 1,2-Dichlorobenzene	7.21	146	293646	6.07	ug/mL	95
11) 2-Methylphenol	7.37	107	399576	9.09	ug/mL	98
12) 3-, 4-Methylphenol	7.62	107	1021073	15.97	ug/mL#	85
13) Bis(2-chloroisopropyl)ethe	7.40	45	594521	9.34	ug/mL	96
14) N-Nitrosodi-n-propylamine	7.61	70	363542	10.88	ug/mL	100
15) Hexachloroethane	7.71	117	88551	4.27	ug/mL	97
19) Nitrobenzene	7.83	77	621340	10.39	ug/mL	99
20) Isophorone	8.20	82	1094318	12.16	ug/mL	99
21) 2-Nitrophenol	8.31	139	258669	8.80	ug/mL	94
22) 2,4-Dimethylphenol	8.41	122	305333	7.36	ug/mL	96
23) Benzoic Acid	8.62	122	277900	11.52	ug/mL	92
24) Bis(2-chloroethoxy)methane	8.56	93	590667	9.84	ug/mL	99
25) 2,4-Dichlorophenol	8.69	162	409959	9.43	ug/mL	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072705\0727630.D Vial: 30
Acq On : 28 Jul 2005 1:35 am Operator: MRC
Sample : G111-769-1H MSD x1 Inst : MSD6
Misc : 8270 [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:13 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	1,2,4-Trichlorobenzene	8.81	180	366834	8.09	ug/mL	98
27)	Naphthalene	8.93	128	1690758	12.21	ug/mL	99
28)	4-Chloroaniline	9.04	127	347817	16.06	ug/mL	94
29)	Hexachlorobutadiene	9.14	225	205085	7.33	ug/mL	98
30)	4-Chloro-3-methylphenol	9.82	107	508436	10.01	ug/mL	96
31)	2-Methylnaphthalene	10.02	142	1042500	10.33	ug/mL	96
34)	Hexachlorocyclopentadiene	10.29	237	41990	4.83	ug/mL#	98
35)	2,4,6-Trichlorophenol	10.49	196	317397	9.85	ug/mL	96
36)	2,4,5-Trichlorophenol	10.54	196	342364	10.48	ug/mL	100
37)	2-Chloronaphthalene	10.79	162	898959	10.16	ug/mL	99
38)	2-Nitroaniline	10.98	65	340622	11.30	ug/mL	96
39)	3-Nitroaniline	11.65	138	192865	33.32	ug/mL#	94
40)	1-Methylnaphthalene	10.17	142	883366	10.04	ug/mL	99
41)	Dimethylphthalate	11.31	163	1111491	10.87	ug/mL	99
42)	Acenaphthylene	11.45	152	1321775	11.48	ug/mL	99
43)	2,6-Dinitrotoluene	11.38	165	255095	11.58	ug/mL	96
44)	Acenaphthene	11.73	153	831893	10.53	ug/mL	97
45)	2,4-Dinitrophenol	11.83	184	111061	10.01	ug/mL	96
46)	4-Nitrophenol	11.96	109	200899	15.44	ug/mL	86
47)	Dibenzofuran	12.01	168	1273065	9.99	ug/mL	97
48)	2,4-Dinitrotoluene	12.03	165	336607	12.37	ug/mL#	82
49)	Fluorene	12.56	166	1090303	11.55	ug/mL	98
50)	Diethylphthalate	12.45	149	1079688	11.54	ug/mL	98
51)	4-Chlorophenyl phenyl ethe	12.58	204	530758	10.74	ug/mL	93
52)	4-Nitroaniline	12.63	138	198001	18.98	ug/mL	96
56)	4,6-Dinitro-2-methylphenol	12.67	198	164396	9.36	ug/mL	94
57)	Diphenylamine	12.78	169	839065	14.26	ug/mL	96
58)	4-bromophenyl phenyl ether	13.36	248	306694	9.71	ug/mL	99
59)	Hexachlorobenzene	13.44	284	286709	9.48	ug/mL	96
60)	Pentachlorophenol	13.78	266	186581	9.34	ug/mL	94
61)	Phenanthrene	14.10	178	1477555	10.30	ug/mL	100
63)	Anthracene	14.18	178	1441540	10.85	ug/mL	100
64)	Azobenzene	12.83	77	1208847	9.70	ug/mL	99
65)	Di-n-Butylphthalate	15.09	149	1801891	10.32	ug/mL	99
66)	Fluoranthene	16.00	202	1560715	10.75	ug/mL	99
86)	Pyrene	16.35	202	1541524	13.83	ug/mL	99
87)	Butylbenzylphthalate	17.49	149	675810	12.41	ug/mL	99
88)	Benzo[a]anthracene	18.28	228	999129	10.19	ug/mL	99
89)	3,3'-Dichlorobenzidine	18.28	252	213077	14.23	ug/mL	94
90)	Chrysene	18.34	228	934273	11.51	ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	18.44	149	874046	12.02	ug/mL	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6072705\0727630.D Vial: 30
Acq On : 28 Jul 2005 1:35 am Operator: MRC
Sample : G111-769-1H MSD x1 Inst : MSD6
Misc : 8270 [3520-3298] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:13 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
94)	Di-n-octylphthalate	19.43	149	1242753	12.30	ug/mL	100
95)	Benzo[b]fluoranthene	19.93	252	684985	11.62	ug/mL	99
96)	Benzo[k]fluoranthene	19.97	252	666330	11.93	ug/mL	99
97)	Benzo[a]pyrene	20.47	252	521156	11.45	ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	22.76	276	267294	10.11	ug/mL	94
99)	Dibenzo[a,h]anthracene	22.83	278	274472	11.44	ug/mL	96
100)	Benzo[g,h,i]perylene	23.42	276	271209	9.76	ug/mL	93

(#) = qualifier out of range (m) = manual integration

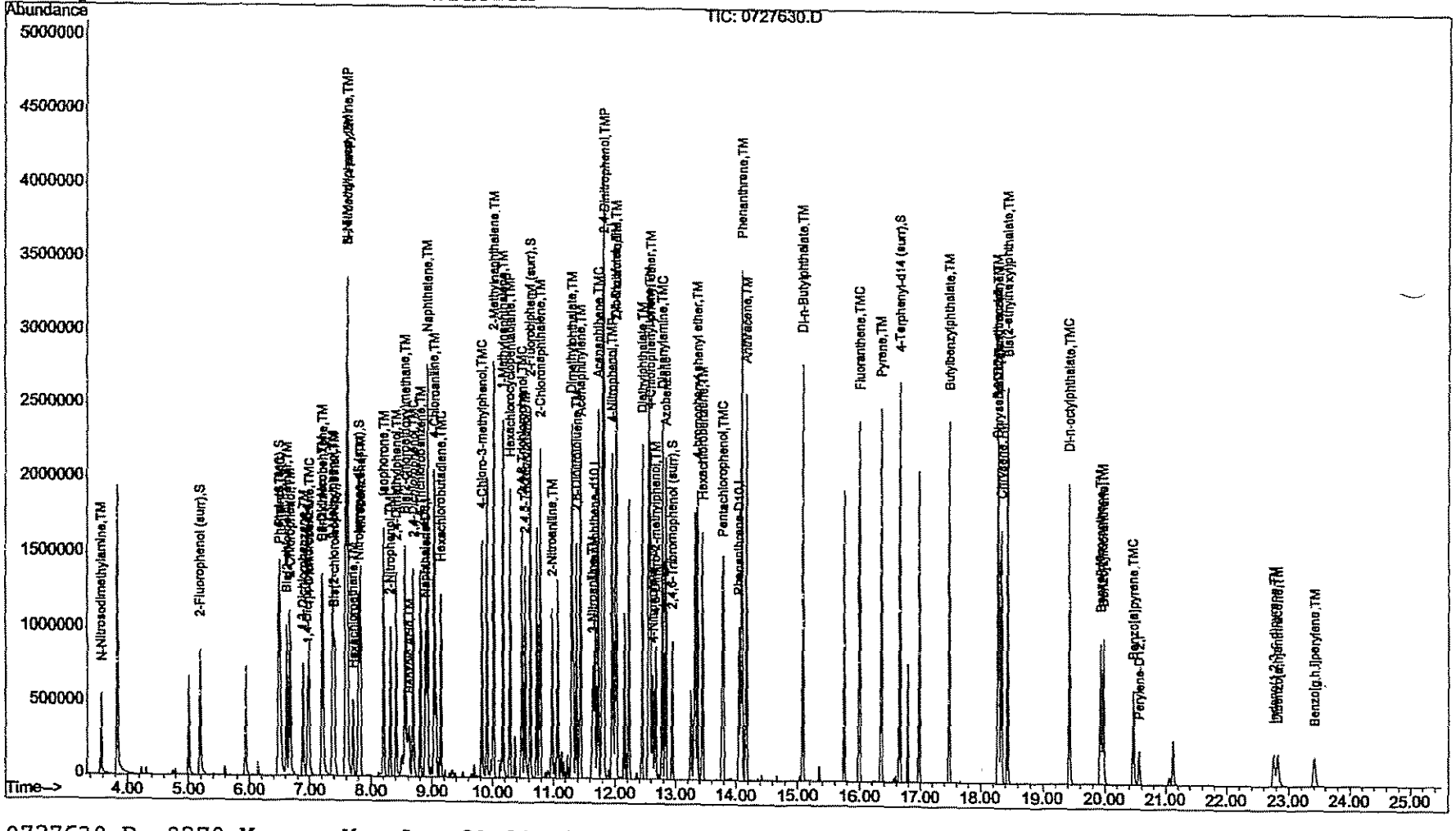
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6072705\0727630.D
Acq On : 28 Jul 2005 1:35 am
Sample : G111-769-1H MSD x1
Misc : 8270 [3520-3298]
MS Integration Params: LSCINT.P
Quant Time: Aug 1 9:13 2005

Vial: 30
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6072705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Jul 21 14:08:56 2005
Response via : Initial Calibration



625-BN Prep, Standard, Run Logs

3520 / 8270 WATER Log

Paradigm Analytical Lab

Batch: 3520/8270 - 3298

Lab ID	EXT	Date	CH2Cl2 Lot #	Initial Vol (mL)	Spike ID	Spike Vol (mL)	Final Vol (mL)	Tech's Init
pb3298	pb	2005-07-26	co493	500	SR: 8270srsvo3w20c	SR: .5	5	nio
G111-769-1H	msd	2005-07-26	co493	200	QC: 8270svmso1w14e SR: 8270srsvo3w20c	QC: .5 SR: .5	5	nio
G111-769-1G	ms	2005-07-26	co493	200	QC: 8270svmso1w14e SR: 8270srsvo3w20c	QC: .5 SR: .5	5	nio
lcs3298	lcs	2005-07-26	co493	500	QC: 8270svmso1w14e SR: 8270srsvo3w20c	QC: .5 SR: .5	5	nio
G240-36-9E	dup	2005-07-26	co493	500	SR: 8270srsvo3w20c	SR: .5	5	nio
G311-133-1J		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G311-133-2J		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G311-133-3J		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G311-133-4J		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G161-2080-1G		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G175-492-1E		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G161-2083-1J		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G161-2083-2G		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G161-2085-1L		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G122-2627-1M		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G311-130-1M		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G128-1570-12E		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G240-36-1H		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G240-36-2H		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G240-36-3H		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G240-36-4F		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G240-36-9D		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G477-36-1B		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio
G111-769-1F		2005-07-26	co493	500	8270srsvo3w20c	.5	5	nio

Comments: _____

_____

Technician's Signature: _____ Date: _____

Paradigm Analytical
MSD6 Runlog

Method: 8270 / 625
Matrix: Water / Soil
ICAL Batch ID: 6072105
Batch ID: 6072105

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W14-J
CAL STD ID: SVMS01-W11-R
IS STD ID: SVMS01-W14-C

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0721601.D	DFTPP 50ng	7/21/2005 8:54	OK			MRC	
0721602.D	SVCAL1	7/21/2005 9:18				MRC	
0721603.D	SVCAL2	7/21/2005 9:52				MRC	
0721604.D	SVCAL4	7/21/2005 10:25				MRC	
0721605.D	SVCAL6	7/21/2005 11:00	8270			MRC	
0721606.D	SVCAL8	7/21/2005 11:34	GOOD			MRC	
0721607.D	SVCAL12	7/21/2005 12:08				MRC	
0721608.D	SVCAL24	7/21/2005 12:42				MRC	
0721609.D	SVCAL48	7/21/2005 13:16				MRC	
0721611.D	DFTPP 50ng	7/21/2005 14:14	OK			MRC	
0721612.D	SVCVS8	7/21/2005 14:36	OK			MRC	
0721613.D	SVCVS24	7/21/2005 15:11	OK			MRC	
0721614.D	PB3011 x1	7/21/2005 15:45		OK		MRC	
0721615.D	PB3152 x1	7/21/2005 16:19				MRC	
0721616.D	G414-52-1B x1	7/21/2005 16:53			NO	MRC	
0721617.D	G414-52-2B x1	7/21/2005 17:27				MRC	
0721618.D	G414-52-1F x1	7/21/2005 18:01			OK	MRC	
0721619.D	G414-52-2F x1	7/21/2005 18:36			NO	MRC	
0721620.D	PB3275 x1	7/21/2005 19:09			OK	MRC	
0721621.D	LCS3275 x1	7/21/2005 19:43				MRC	

Analyst: MC

Page Number: 1901

Paradigm Analytical
MSD6 Runlog

Method: 8270 / 625
Matrix: Water / Soil
ICAL Batch ID: 6072105
Batch ID: 6072705

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W14-J
CAL STD ID: SVMS01-W11-R
IS STD ID: SVMS01-W14-C

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0727601.D	DFTPP 50ng	7/27/2005 7:53	OK			MRC	
0727602.D	SVCVS8	7/27/2005 8:15	OK			MRC	
0727603.D	SVCVS24	7/27/2005 8:49	OK			MRC	
0727604.D	G161-2078-11L x1	7/27/2005 9:23		OK	OK	MRC	
0727605.D	G161-2081-1H x1	7/27/2005 9:57		↓	↓	MRC	
0727606.D	G161-2081-2H x1	7/27/2005 10:31		↓	↓	MRC	
0727607.D	G161-2081-3H x1	7/27/2005 11:05		↓	↓	MRC	
0727608.D	G161-2081-4E x1	7/27/2005 11:39		↓	↓	MRC	
0727609.D	G161-2081-5E x1	7/27/2005 12:13		↓	↓	MRC	
0727610.D	G161-2081-6E x1	7/27/2005 12:48		↓	↓	MRC	
0727611.D	G161-2081-7E x1	7/27/2005 13:22		↓	↓	MRC	
0727612.D	G161-2081-8F x1	7/27/2005 13:56		↓	↓	MRC	
0727613.D	G161-2080-1G x1	7/27/2005 14:31		↓	↓	MRC	
0727614.D	DFTPP 50ng	7/27/2005 16:35	OK			MRC	
0727615.D	SVCVS8	7/27/2005 16:58	OK			MRC	
0727616.D	SVCVS24	7/27/2005 17:32	OK			MRC	
0727617.D	G414-58-1I x1	7/27/2005 18:07		OK	No	MRC	CONFIRMS
0727618.D	G414-58-2I x1	7/27/2005 18:41		↓	↓	MRC	↓
0727619.D	G414-58-4K x1	7/27/2005 19:16		↓	↓	MRC	↓
0727620.D	G414-58-5I x1	7/27/2005 19:49		↓	↓	MRC	↓

Analyst: MC

Page Number: 1907

Paradigm Analytical
MSD6 Runlog

Method: 8270 / 625
Matrix: Water / Soil
ICAL Batch ID: 6072105
Batch ID: 6072705

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W14-J
CAL STD ID: SVMS01-W11-R
IS STD ID: SVMS01-W14-C

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0727621.D	G414-58-6M x1	7/27/2005 20:23		OK	NO	MRC	CONFIRMS
0727622.D	PB3303 x1	7/27/2005 20:58			OK	MRC	
0727623.D	LCS3303 x1	7/27/2005 21:33				MRC	
0727624.D	G161-2081-3I MS x1	7/27/2005 22:07				MRC	
0727625.D	G161-2081-3J MSD x1	7/27/2005 22:42				MRC	
0727626.D	G161-2081-4F DUP x1	7/27/2005 23:17				MRC	
0727627.D	PB3298 x1	7/27/2005 23:52				MRC	
0727628.D	LCS3298 x1	7/28/2005 0:26				MRC	
0727629.D	G111-769-1G MS x1	7/28/2005 1:00				MRC	
0727630.D	G111-769-1H MSD x1	7/28/2005 1:35				MRC	
0727631.D	G240-36-9E DUP x1	7/28/2005 2:09				MRC	
0727632.D	G175-492-1E x1	7/28/2005 2:44				MRC	
0727633.D	G128-1570-12E x1	7/28/2005 3:19				MRC	x 10
0727634.D	G122-2627-1M x1	7/28/2005 3:53				MRC	
0727635.D	G311-130-1M x1	7/28/2005 4:28				MRC	
0727636.D	G111-769-1F x1	7/28/2005 5:02				MRC	
0727637.D	G161-2083-1J x1	7/28/2005 5:37				MRC	
0727638.D	G161-2083-2G x1	7/28/2005 6:11				MRC	
0727639.D	G161-2085-1L x1	7/28/2005 6:46				MRC	

Analyst: MC

Page Number: 1908

VPH Sample Raw Data

External Standard Report

ta File Name : C:\HPCHEM\1\DATA\vp072505\031F0101.D
erator : DCS
strument : FID/PID
mple Name : g161-2085-1d x1
n Time Bar Code:
quired on : 25 Jul 05 11:06 PM
port Created on: 26 Jul 05 07:56 AM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

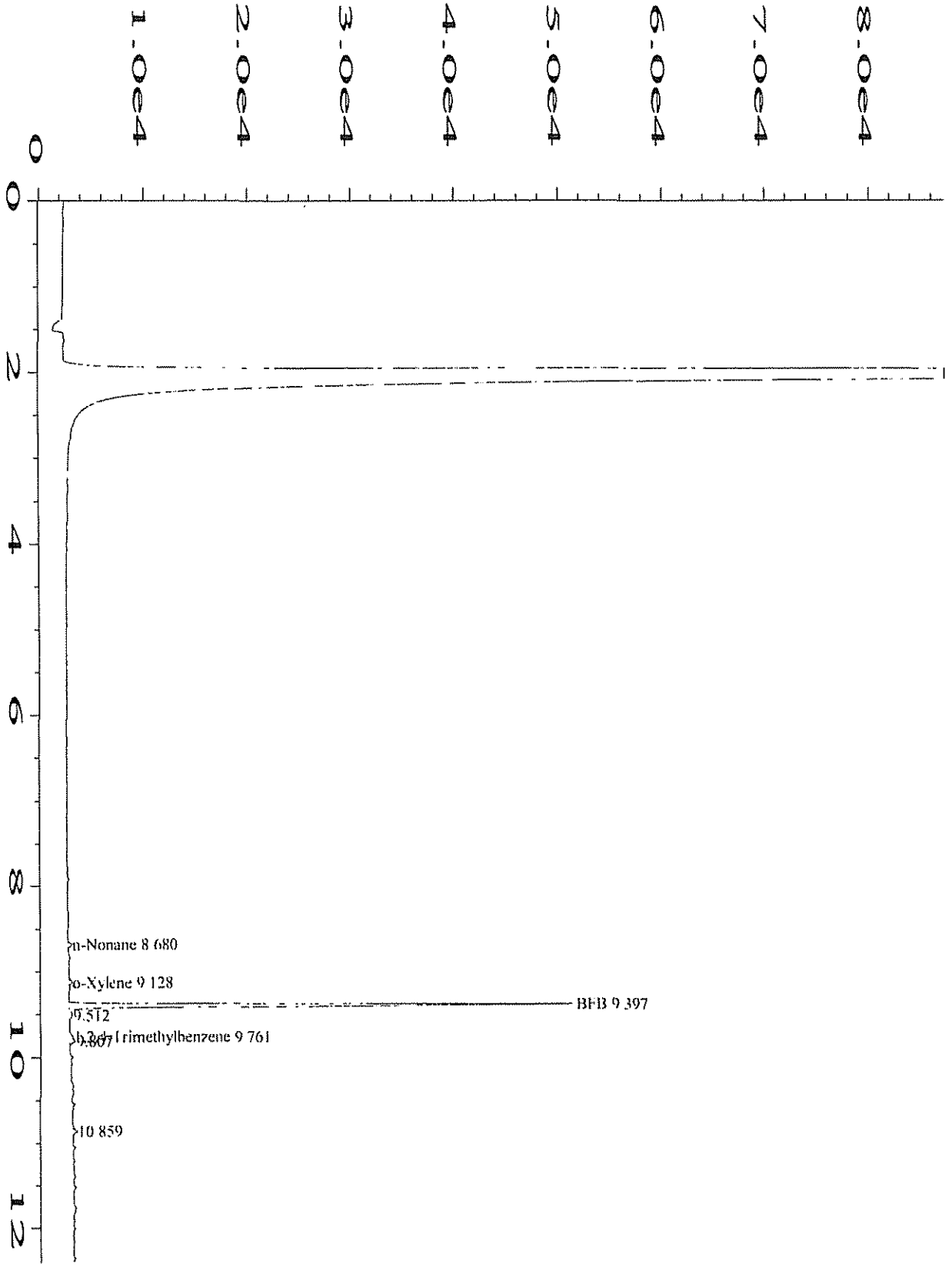
Page Number : 1
Vial Number : 31
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

g. 1 in C:\HPCHEM\1\DATA\vp072505\031F0101.D

t Time	Area	Type	Width	Ref#	ug/L	Name
2.778	* not found *			1		n-Pentane
3.864	* not found *			1		2-Methylpentane
4.282	* not found *			1		MTBE
6.310	* not found *			1		2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.926	* not found *			1		Toluene
8.680	1118	BV	0.040	1	0.280	n-Nonane
8.848	* not found *			1		EBenz, m-,p-Xylene
9.128	1113	BV	0.053	1	0.110	o-Xylene
9.397	89039	BV	0.028	1	342.977	BFB
9.761	1565	VV	0.059	1	0.167	1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene
9.512	1306	VV	0.053		13.064	* uncalibrated *
9.807	1615	VB	0.044		16.153	* uncalibrated *
10.859	1118	VV	0.037		11.182	* uncalibrated *

alibration table contains at least one peak with amt = 0

ot all calibrated peaks were found



ata File Name	: C:\HPCHEM\1\DATA\vp072505\031F0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 31
ample Name	: g161-2085-1d x1	Injection Number	: 1
an Time Bar Code:		Sequence Line	: 1
cquired on	: 25 Jul 05 11:06 PM	Instrument Method	: GAS1.MTH
eport Created on	: 26 Jul 05 07:57 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

External Standard Report

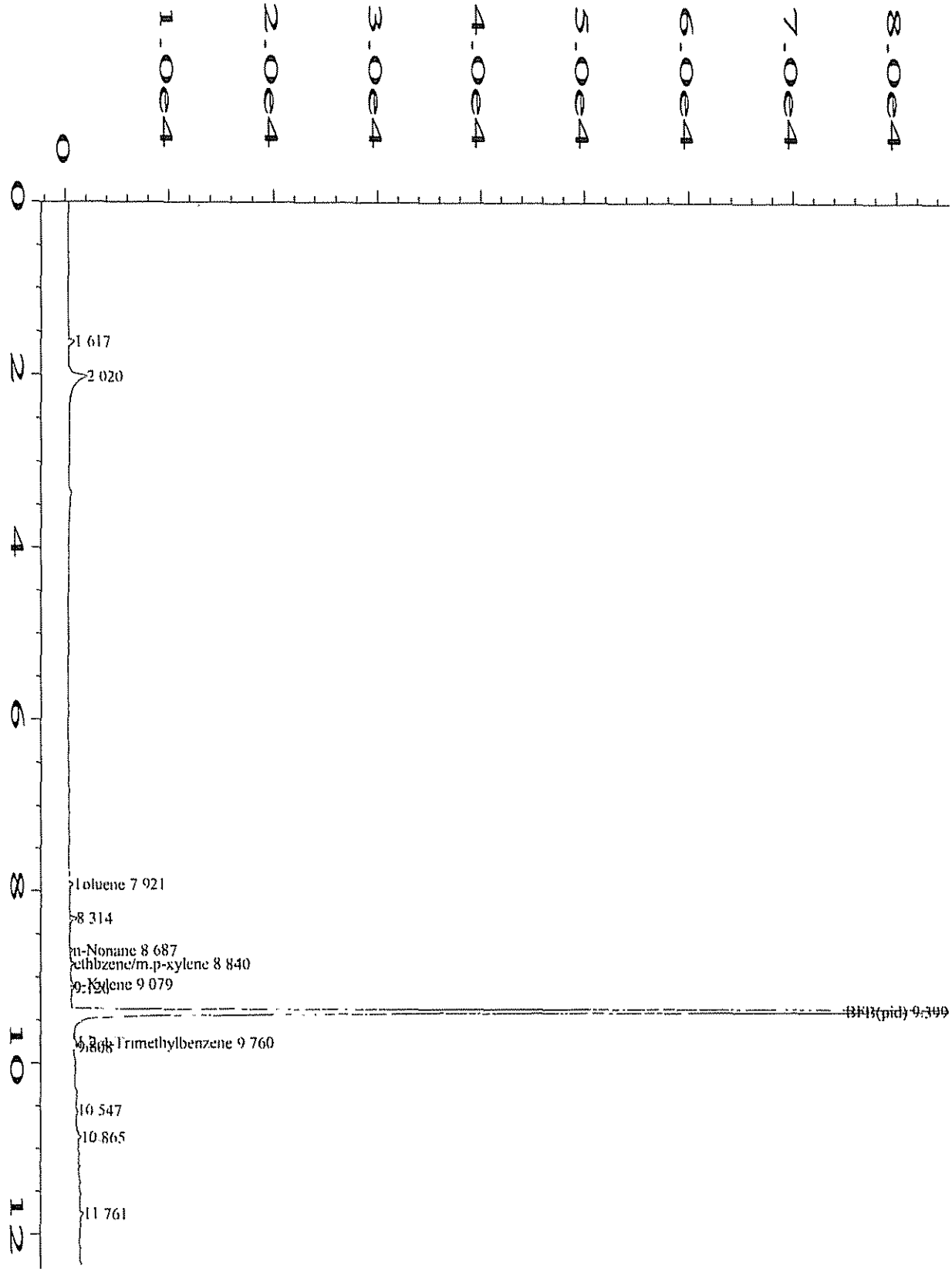
ıta File Name : C:\HPCHEM\1\DATA\vp072505\031R0101.D
›erator : DCS
ıstrument : FID/PID
ımple Name : g161-2085-1d x1
ın Time Bar Code:
:quired on : 25 Jul 05 11:06 PM
:port Created on: 26 Jul 05 07:57 AM
ıst Recalib on : 24 AUG 04 09:09 AM
ıltiplier : 1

Page Number : 1
Vial Number : 31
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

.g. 2 in C:\HPCHEM\1\DATA\vp072505\031R0101.D

:t Time	Area	Type	Width	Ref#	ug/L	Name
2.829	* not found *			1		n-Pentane
3.878	* not found *			1		2-Methylpentane
4.267	* not found *			1		MTBE
6.312	* not found *			1		2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.921	813	BB	0.040	1	0.0199	Toluene
8.687	755	BV	0.040	1	0.111	n-Nonane
8.840	1053	VV	0.045	1	0.0311	ethbzene/m,p-xylene
9.079	1022	VV	0.063	1	0.0264	o-Xylene
9.399	422142	PV	0.032	1	28.412	BFB(pid)
9.760	1269	VV	0.046	1	0.0413	1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene(pid)
1.617	2041	BV	0.047		20.407	* uncalibrated *
2.020	12437	BB	0.096		124.367	* uncalibrated *
8.314	2215	BV	0.046		22.147	* uncalibrated *
9.126	655	VV	0.041		6.555	* uncalibrated *
9.808	1132	VV	0.044		11.324	* uncalibrated *
10.547	143	PV	0.023		1.433	* uncalibrated *
10.865	1232	PV	0.054		12.318	* uncalibrated *
11.761	1092	BV	0.042		10.922	* uncalibrated *

›t all calibrated peaks were found



ata File Name	: C:\HPCHEM\1\DATA\vp072505\031R0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 31
ample Name	: g161-2085-1d x1	Injection Number	: 1
un Time Bar Code	:	Sequence Line	: 1
cquired on	: 25 Jul 05 11:06 PM	Instrument Method	: GAS1.MTH
eport Created on	: 26 Jul 05 07:57 AM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

VPH Calibration Raw Data

External Standard Report

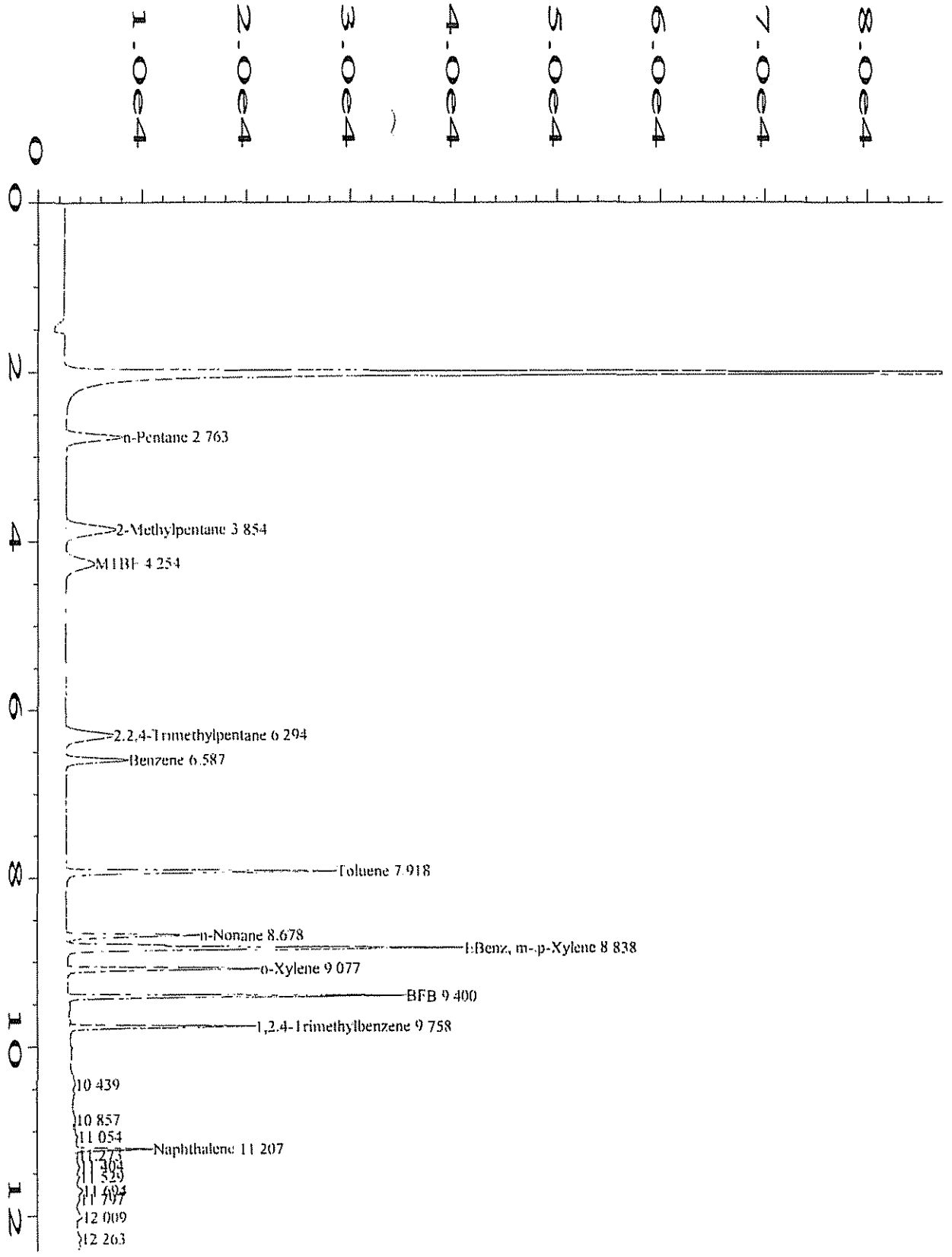
:a File Name : C:\HPCHEM\1\DATA\vp071405\003F0101.D
erator : DCS
strument : FID/PID
nple Name : V 10
1 Time Bar Code:
quired on : 14 Jul 05 09:14 AM
port Created on: 07 Sep 05 02:35 PM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

g. 1 in C:\HPCHEM\1\DATA\vp071405\003F0101.D

: Time	Area	Type	Width	Ref#	ug/L	Name
2.763	29353	BB	0.083	1	29.278	n-Pentane
3.854	37166	BV	0.116	1	6.601	2-Methylpentane
4.254	24008	VB	0.134	1	56.277	MTBE
6.294	30739	BV	0.103	1	5.904	2,2,4-Trimethylpentane
6.587	21736	VB	0.056	1	2.755	Benzene
7.918	64387	BB	0.039	1	6.835	Toluene
8.678	31081	BV	0.038	1	7.799	n-Nonane
8.838	98512	VV	0.038	1	9.630	EBenz, m-,p-Xylene
9.077	39065	VB	0.033	1	3.879	o-Xylene
9.400	58014	BV	0.029	1	223.467	BFB
9.758	35372	VB	0.031	1	3.765	1,2,4-Trimethylbenzene
11.207	14181	VV	0.041	1	3.346	Naphthalene
10.439	2255	BV	0.105		22.555	* uncalibrated *
10.857	1787	BV	0.113		17.873	* uncalibrated *
11.054	2590	VV	0.108		25.898	* uncalibrated *
11.273	1043	VV	0.053		10.425	* uncalibrated *
11.404	3422	VV	0.103		34.219	* uncalibrated *
11.529	1764	VV	0.063		17.642	* uncalibrated *
11.694	3765	VV	0.084		37.645	* uncalibrated *
11.797	1394	VV	0.056		13.939	* uncalibrated *
12.009	2478	VV	0.066		24.778	* uncalibrated *
12.263	1253	PV	0.064		12.529	* uncalibrated *

ibration table contains at least one peak with amt = 0



ta File Name	: C:\HPCHEM\1\DATA\vp071405\003F0101.D		
erator	: DCS	Page Number	: 1
strument	: FID/PID	Vial Number	: 3
mple Name	: V 10	Injection Number	: 1
n Time Bar Code:		Sequence Line	: 1
quired on	: 14 Jul 05 09:14 AM	Instrument Method	: GAS1.MTH
port Created on	: 07 Sep 05 02:35 PM	Analysis Method	: VPH_FID.MTH
st Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ltiplier	: 1	ISTD Amount	:

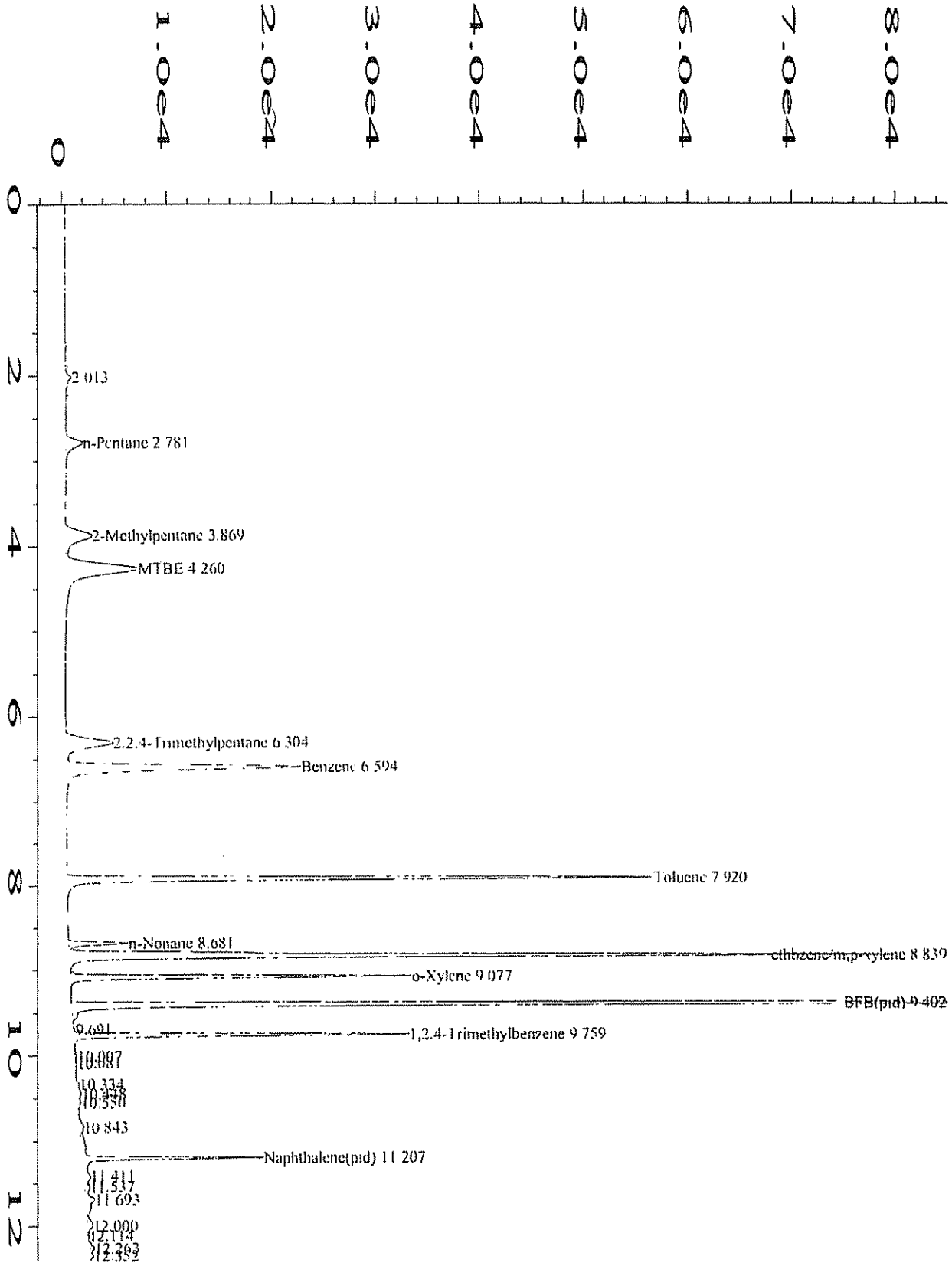
External Standard Report

:a File Name : C:\HPCHEM\1\DATA\vp071405\003R0101.D
erator : DCS
strument : FID/PID
nple Name : V 10
1 Time Bar Code:
quired on : 14 Jul 05 09:14 AM
port Created on: 07 Sep 05 02:35 PM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

g. 2 in C:\HPCHEM\1\DATA\vp071405\003R0101.D

: Time	Area	Type	Width	Ref#	ug/L	Name
2.781	11221	BB	0.105	1	1.789	n-Pentane
3.869	22217	BV	0.135	1	2.353	2-Methylpentane
4.260	67014	VB	0.148	1	2.223	MTBE
6.304	33150	PV	0.114	1	2.179	2,2,4-Trimethylpentane
6.594	97400	VV	0.067	1	1.224	Benzene
7.920	145561	BB	0.041	1	3.567	Toluene
8.681	13863	BV	0.038	1	2.042	n-Nonane
8.839	207632	VV	0.044	1	6.138	ethbzene/m,p-xylene
9.077	71464	VV	0.035	1	1.845	o-Xylene
9.402	273788	BV	0.032	1	18.427	BFB(pid)
9.759	65359	VV	0.065	1	2.129	1,2,4-Trimethylbenzene
11.207	38413	VV	0.047	1	2.195	Naphthalene(pid)
2.013	3435	BB	0.082		34.352	* uncalibrated *
9.691	444	VV	0.032		4.435	* uncalibrated *
10.007	986	VV	0.081		9.860	* uncalibrated *
10.081	560	VV	0.068		5.601	* uncalibrated *
10.334	1050	BV	0.058		10.503	* uncalibrated *
10.448	2356	VV	0.078		23.563	* uncalibrated *
10.550	1626	VV	0.073		16.263	* uncalibrated *
10.843	2978	VV	0.120		29.781	* uncalibrated *
11.411	5437	VV	0.116		54.370	* uncalibrated *
11.537	2772	VV	0.076		27.724	* uncalibrated *
11.693	7717	VV	0.114		77.175	* uncalibrated *
12.000	3835	VV	0.094		38.352	* uncalibrated *
12.114	157	VV	0.037		1.571	* uncalibrated *
12.263	1880	PV	0.064		18.801	* uncalibrated *
12.352	512	VBA	0.037		5.121	* uncalibrated *



ta File Name	: C:\HPCHEM\1\DATA\vp071405\003R0101.D		
erator	: DCS	Page Number	: 1
strument	: FID/PID	Vial Number	: 3
nple Name	: V 10	Injection Number	: 1
Time Bar Code:		Sequence Line	: 1
quired on	: 14 Jul 05 09:14 AM	Instrument Method:	GAS1.MTH
port Created on:	07 Sep 05 02:35 PM	Analysis Method	: vph_pid.MTH
st Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
tiplier	: 1	ISTD Amount	:

External Standard Report

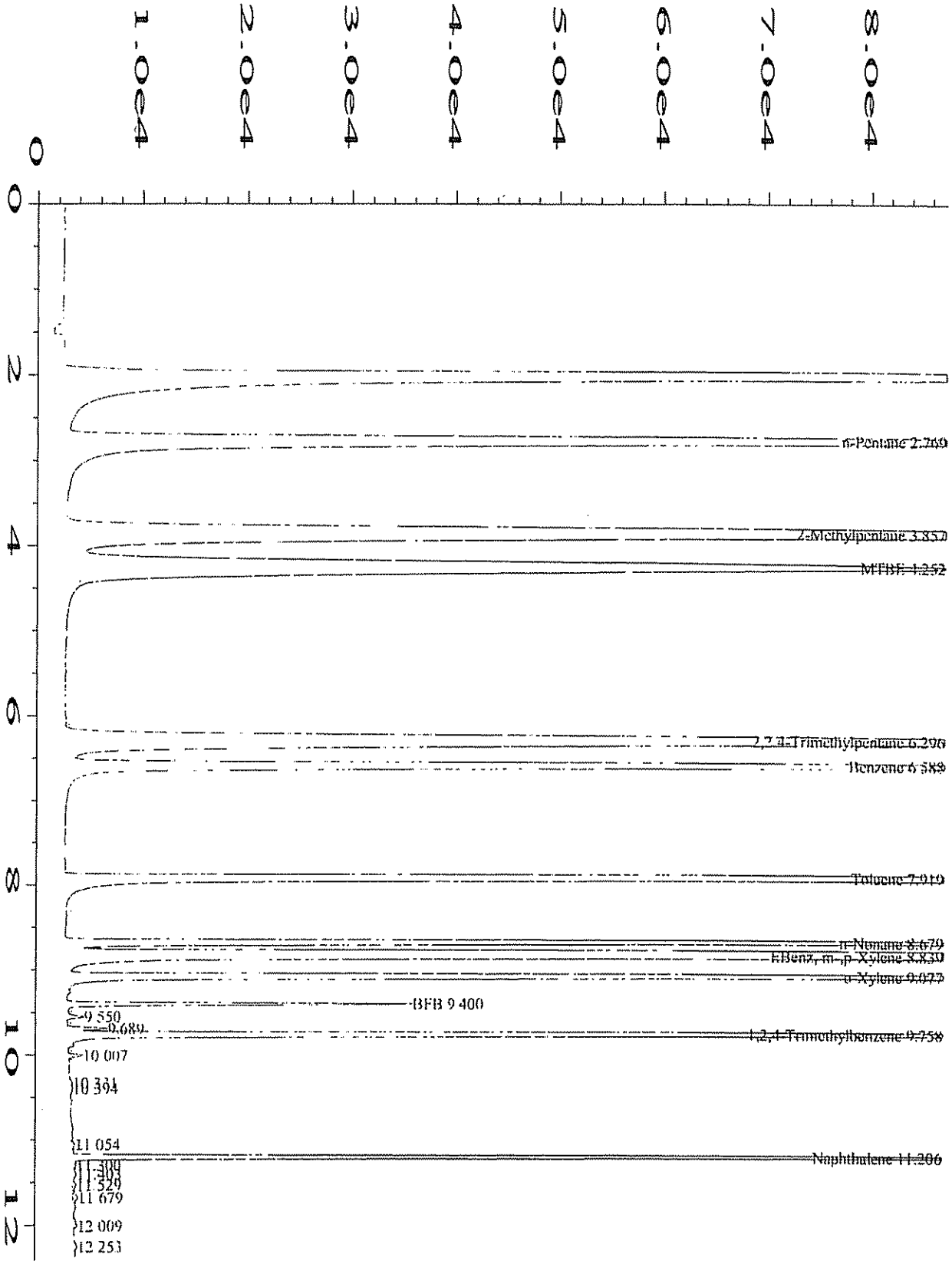
ta File Name : C:\HPCHEM\1\DATA\vp071405\004F0101.D
erator : DCS
strument : FID/PID
mple Name : V 250
n Time Bar Code:
quired on : 14 Jul 05 09:40 AM
port Created on: 07 Sep 05 02:35 PM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

g. 1 in C:\HPCHEM\1\DATA\vp071405\004F0101.D

t Time	Area	Type	Width	Ref#	ug/L	Name
2.769	838621	BB	0.089	1	1660.550	n-Pentane
3.857	1066067	BV	0.120	1	1319.603	2-Methylpentane
4.252	758973	VB	0.136	1	17730.02	MTBE
6.296	873405	VV	0.104	1	1688.183	2,2,4-Trimethylpentane
6.588	664162	VB	0.057	1	559.504	Benzene
7.919	1883722	BV	0.039	1	1845.051	Toluene
8.679	570597	BV	0.037	1	739.268	n-Nonane
8.839	2915194	VV	0.042	1	2980.747	EBenz, m-,p-Xylene
9.077	1160395	VV	0.033	1	1200.910	o-Xylene
9.400	60522	VV	0.047	1	233.128	BFB
9.758	1004871	VV	0.031	1	1126.930	1,2,4-Trimethylbenzene
11.206	345847	VV	0.048	1	-1939.058	Naphthalene
9.550	3820	VV	0.037		38.201	* uncalibrated *
9.689	7049	PV	0.031		70.490	* uncalibrated *
10.007	2929	VV	0.046		29.285	* uncalibrated *
10.331	1325	PV	0.061		13.252	* uncalibrated *
10.394	1460	VV	0.068		14.603	* uncalibrated *
11.054	1474	VV	0.063		14.739	* uncalibrated *
11.300	1054	VV	0.044		10.538	* uncalibrated *
11.403	2641	VV	0.081		26.411	* uncalibrated *
11.529	1510	VV	0.059		15.104	* uncalibrated *
11.679	2410	VV	0.076		24.101	* uncalibrated *
12.009	1748	PV	0.067		17.479	* uncalibrated *
12.253	1115	PV	0.066		11.146	* uncalibrated *

libration table contains at least one peak with amt = 0



ta File Name : C:\HPCHEM\1\DATA\vp071405\004F0101.D
erator : DCS
strument : FID/PID
mple Name : V 250
n Time Bar Code:
quired on : 14 Jul 05 09:40 AM
port Created on: 07 Sep 05 02:35 PM
st Recalib on : 24 AUG 04 09:09 AM
tiplier : 1

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

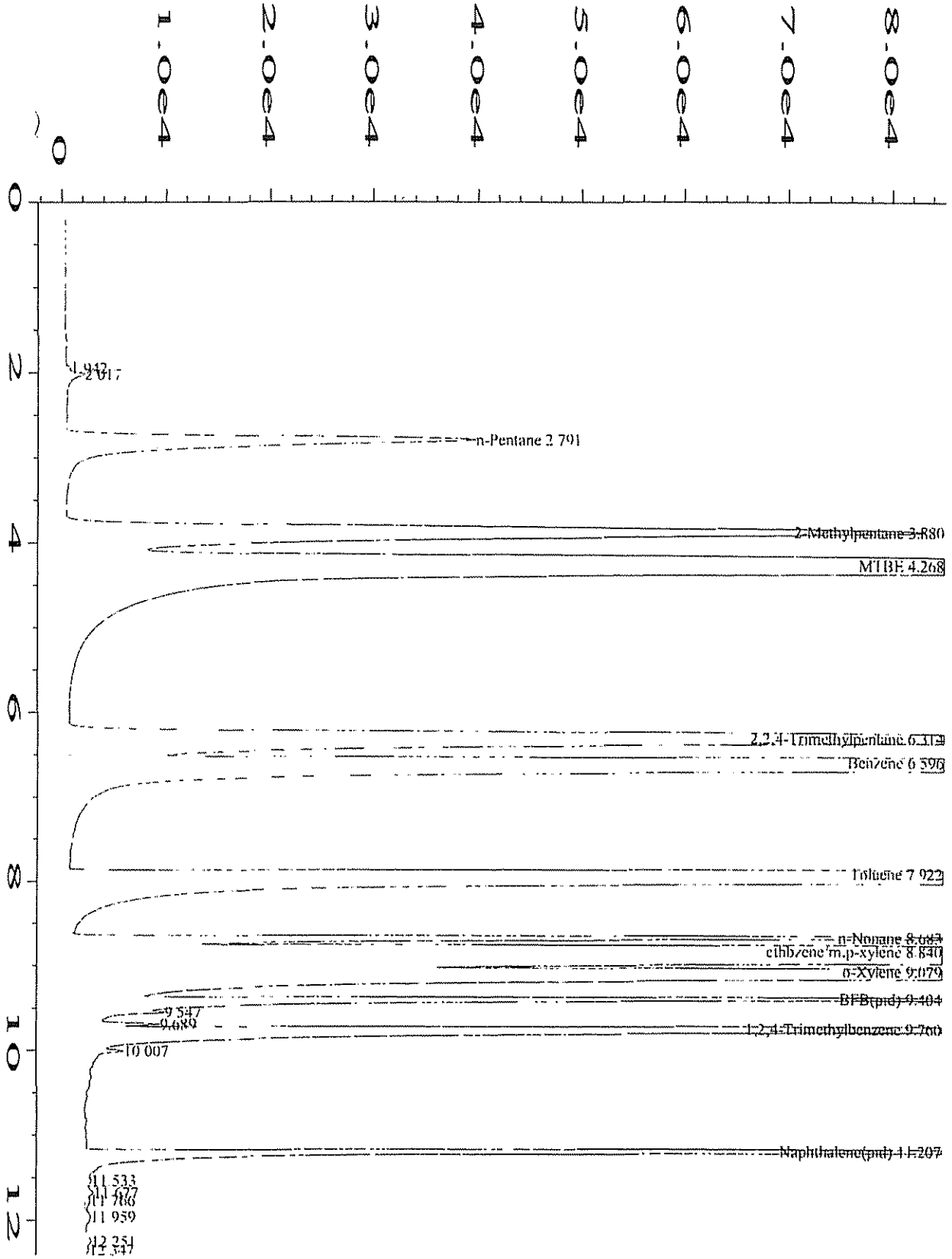
External Standard Report

:a File Name : C:\HPCHEM\1\DATA\vp071405\004R0101.D
erator : DCS
strument : FID/PID
mple Name : V 250
1 Time Bar Code:
quired on : 14 Jul 05 09:40 AM
port Created on: 07 Sep 05 02:35 PM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

g. 2 in C:\HPCHEM\1\DATA\vp071405\004R0101.D

: Time	Area	Type	Width	Ref#	ug/L	Name
2.791	326414	BB	0.122	1	52.051	n-Pentane
3.880	788591	BV	0.147	1	83.508	2-Methylpentane
4.268	3099474	VV	0.160	1	102.826	MTBE
6.314	1282014	VV	0.126	1	84.257	2,2,4-Trimethylpentane
6.596	3691908	VV	0.079	1	46.402	Benzene
7.922	6251271	PV	0.051	1	153.203	Toluene
8.683	368250	VV	0.044	1	54.256	n-Nonane
8.840	8393130	VV	0.057	1	248.133	ethbzene/m,p-xylene
9.079	3321363	VV	0.052	1	85.749	o-Xylene
9.404	457587	VV	0.042	1	30.798	BFB(pid)
9.760	2254703	VV	0.039	1	73.438	1,2,4-Trimethylbenzene
11.207	934074	VV	0.082	1	53.367	Naphthalene(pid)
1.942	1179	BV	0.042		11.788	* uncalibrated *
2.017	9688	VV	0.076		96.879	* uncalibrated *
9.547	34471	VV	0.067		344.714	* uncalibrated *
9.689	18711	VV	0.039		187.113	* uncalibrated *
10.007	31886	VV	0.092		318.858	* uncalibrated *
11.533	3651	VV	0.072		36.513	* uncalibrated *
11.677	5019	VV	0.083		50.185	* uncalibrated *
11.766	3250	VV	0.091		32.495	* uncalibrated *
11.959	4071	VV	0.110		40.709	* uncalibrated *
12.251	2050	PV	0.072		20.501	* uncalibrated *
12.347	360	VBA	0.042		3.600	* uncalibrated *



a File Name	: C:\HPCHEM\1\DATA\vp071405\004R0101.D		
rator	: DCS	Page Number	: 1
trument	: FID/PID	Vial Number	: 4
ple Name	: V 250	Injection Number	: 1
Time Bar Code:		Sequence Line	: 1
uired on	: 14 Jul 05 09:40 AM	Instrument Method:	GAS1.MTH
ort Created on:	07 Sep 05 02:35 PM	Analysis Method	: vph_pid.MTH
t Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
tiplier	: 1	ISTD Amount	:

External Standard Report

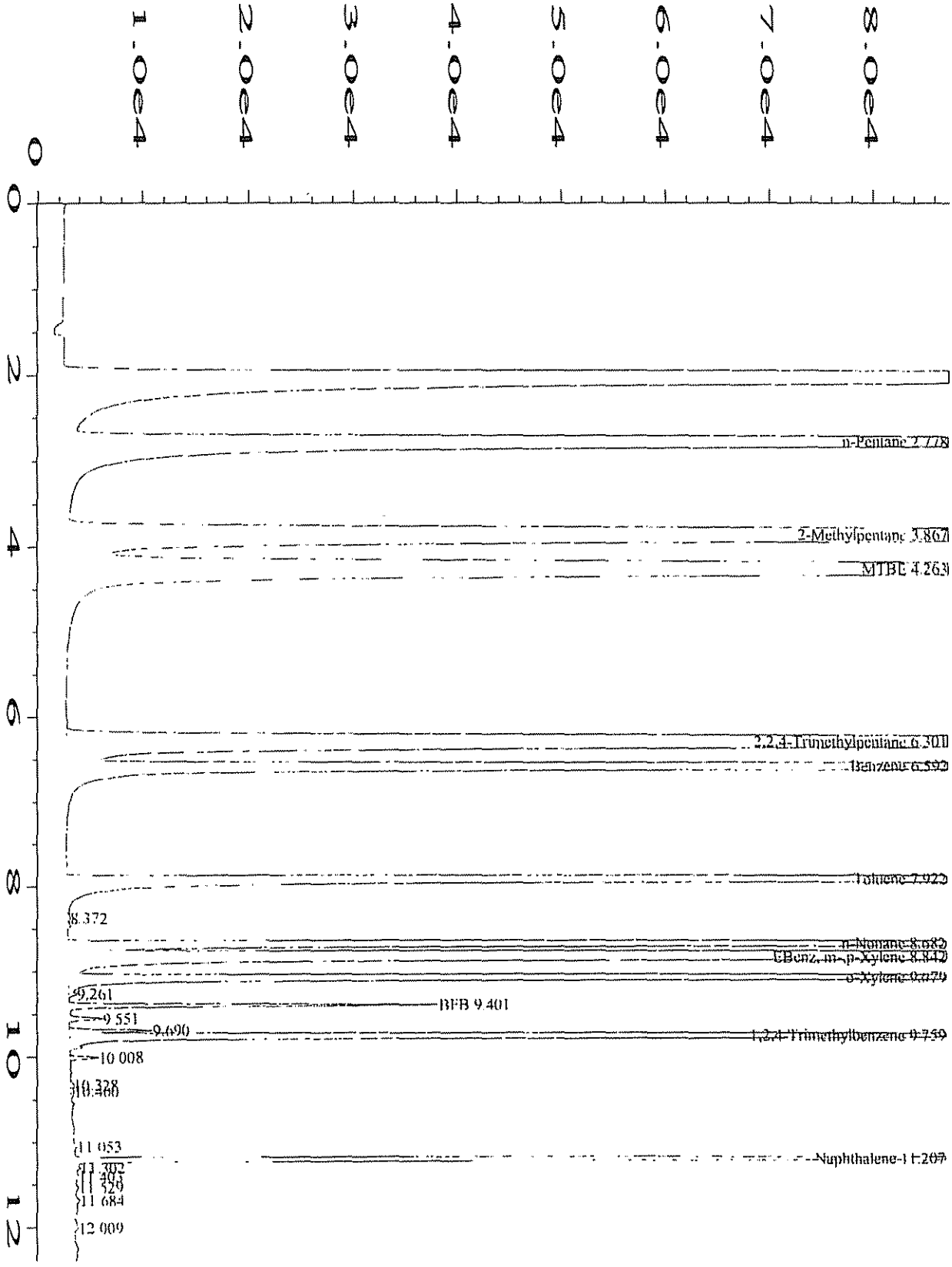
:a File Name : C:\HPCHEM\1\DATA\vp071405\005F0101.D
erator : DCS
strument : FID/PID
mple Name : V 500
n Time Bar Code:
quired on : 14 Jul 05 10:05 AM
port Created on: 07 Sep 05 02:35 PM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

g. 1 in C:\HPCHEM\1\DATA\vp071405\005F0101.D

: Time	Area	Type	Width	Ref#	ug/L	Name
2.778	1742970	BV	0.094	1	4265.646	n-Pentane
3.867	2181370	PV	0.119	1	3248.649	2-Methylpentane
4.263	1736534	VB	0.137	1	51020.45	MTBE
6.301	1977652	VV	0.104	1	4892.879	2,2,4-Trimethylpentane
6.592	1408771	VB	0.057	1	1352.853	Benzene
7.922	3903076	BV	0.038	1	4578.974	Toluene
8.682	1826421	BV	0.036	1	2874.951	n-Nonane
8.842	6104778	VV	0.037	1	7836.609	EBenz, m-,p-Xylene
9.079	2396482	VV	0.033	1	3095.254	o-Xylene
9.401	66026	VV	0.030	1	254.328	BFB
9.759	2056422	VV	0.031	1	2943.913	1,2,4-Trimethylbenzene
11.207	774715	VV	0.026	1	-6752.609	Naphthalene
8.372	1147	VV	0.077		11.466	* uncalibrated *
9.261	2099	VV	0.041		20.990	* uncalibrated *
9.551	7152	VV	0.035		71.523	* uncalibrated *
9.690	14866	PV	0.030		148.660	* uncalibrated *
10.008	5222	PV	0.031		52.219	* uncalibrated *
10.328	1278	BV	0.068		12.776	* uncalibrated *
10.400	1644	VV	0.076		16.440	* uncalibrated *
11.053	2238	VV	0.072		22.384	* uncalibrated *
11.302	1855	VV	0.037		18.548	* uncalibrated *
11.403	3419	VV	0.093		34.188	* uncalibrated *
11.529	2004	VV	0.064		20.038	* uncalibrated *
11.684	2784	VV	0.076		27.841	* uncalibrated *
12.009	2112	VV	0.074		21.116	* uncalibrated *

ibration table contains at least one peak with amt = 0



ata File Name	: C:\HPCHEM\1\DATA\vp071405\005F0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 5
ample Name	: V 500	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 14 Jul 05 10:05 AM	Instrument Method:	GAS1.MTH
eport Created on:	07 Sep 05 02:35 PM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

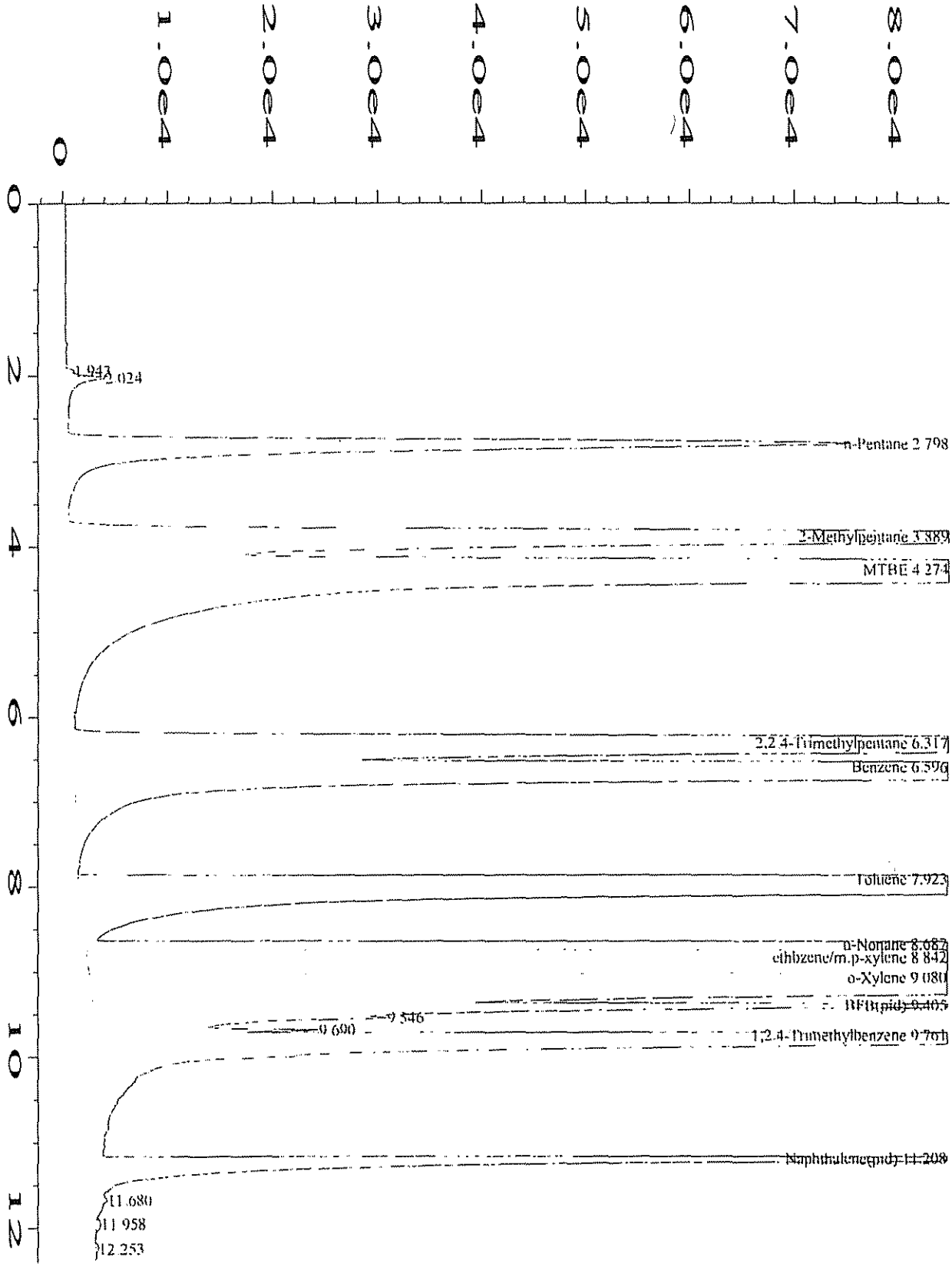
External Standard Report

a File Name : C:\HPCHEM\1\DATA\vp071405\005R0101.D
rator : DCS
trument : FID/PID
ple Name : V 500
Time Bar Code:
uired on : 14 Jul 05 10:05 AM
ort Created on: 07 Sep 05 02:35 PM
t Recalib on : 24 AUG 04 09:09 AM
tiplier : 1

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

. 2 in C:\HPCHEM\1\DATA\vp071405\005R0101.D

Time	Area	Type	Width	Ref#	ug/L	Name
2.798	665272	BV	0.127	1	106.086	n-Pentane
3.889	1610206	PV	0.145	1	170.513	2-Methylpentane
4.274	6890871	VV	0.166	1	228.607	MTBE
6.317	2946490	VV	0.131	1	193.649	2,2,4-Trimethylpentane
6.596	6903642	VV	0.081	1	86.770	Benzene
7.923	1.17723E+007	PV	0.054	1	288.510	Toluene
8.687	1339610	VV	0.048	1	197.371	n-Nonane
8.842	1.61892E+007	VV	0.052	1	478.613	ethbzene/m,p-xylene
9.080	7706672	VV	0.051	1	198.967	o-Xylene
9.405	731569	VV	0.053	1	49.238	BFB(pid)
9.761	5207830	VV	0.039	1	169.623	1,2,4-Trimethylbenzene
11.208	2227832	PV	0.031	1	127.284	Naphthalene(pid)
1.943	2003	BV	0.040		20.035	* uncalibrated *
2.024	23244	VB	0.084		232.435	* uncalibrated *
9.546	133527	VV	0.079		1335.268	* uncalibrated *
9.690	55487	VV	0.038		554.872	* uncalibrated *
11.680	4387	VV	0.078		43.866	* uncalibrated *
11.958	3333	VV	0.106		33.335	* uncalibrated *
12.253	1461	PV	0.068		14.609	* uncalibrated *



ıta File Name	: C:\HPCHEM\1\DATA\vp071405\005R0101.D		
ɔerator	: DCS	Page Number	: 1
ıstrument	: FID/PID	Vial Number	: 5
ımple Name	: V 500	Injection Number	: 1
ın Time Bar Code:		Sequence Line	: 1
:quired on	: 14 Jul 05 10:05 AM	Instrument Method	: GAS1.MTH
ɜport Created on	: 07 Sep 05 02:35 PM	Analysis Method	: vph_pid.MTH
ıst Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ıltiplier	: 1	ISTD Amount	:

External Standard Report

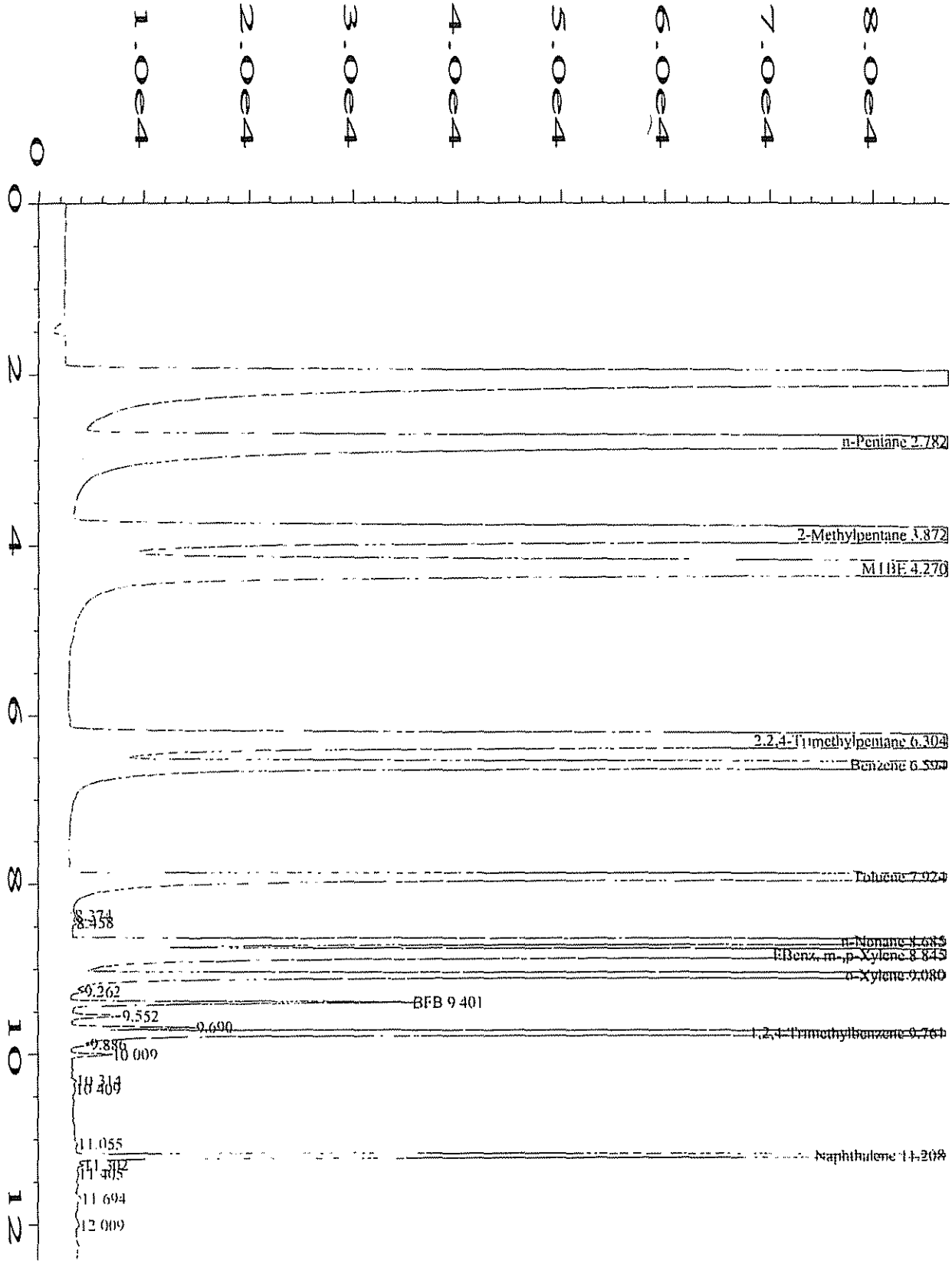
a File Name : C:\HPCHEM\1\DATA\vp071405\006F0101.D
rator : DCS
trument : FID/PID
ple Name : V 750
Time Bar Code:
quired on : 14 Jul 05 10:30 AM
ort Created on: 07 Sep 05 02:35 PM
st Recalib on : 24 AUG 04 09:09 AM
tiplier : 1

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

g. 1 in C:\HPCHEM\1\DATA\vp071405\006F0101.D

Time	Area	Type	Width	Ref#	ug/L	Name
2.782	2652861	BV	0.097	1	6886.704	n-Pentane
3.872	3424588	PV	0.119	1	5398.938	2-Methylpentane
4.270	2615165	VB	0.136	1	80941.89	MTBE
6.304	3347705	VV	0.105	1	8868.986	2,2,4-Trimethylpentane
6.594	2207719	VV	0.057	1	2204.097	Benzene
7.924	5984413	BV	0.037	1	7396.813	Toluene
8.685	3017734	BV	0.036	1	4900.926	n-Nonane
8.845	9264266	VV	0.036	1	12646.65	EBenz, m-,p-Xylene
9.080	3555046	VV	0.033	1	4870.791	o-Xylene
9.401	63490	PV	0.030	1	244.560	BFB
9.761	3032646	VV	0.030	1	4630.738	1,2,4-Trimethylbenzene
11.208	1137876	VV	0.026	1	-10828.67	Naphthalene
8.374	1497	VV	0.074		14.971	* uncalibrated *
8.458	1134	VB	0.043		11.342	* uncalibrated *
9.262	3166	VV	0.040		31.660	* uncalibrated *
9.552	11093	VV	0.035		110.925	* uncalibrated *
9.690	23714	VV	0.031		237.136	* uncalibrated *
9.886	3865	VV	0.036		38.648	* uncalibrated *
10.009	7822	VV	0.031		78.224	* uncalibrated *
10.314	1455	PV	0.044		14.550	* uncalibrated *
10.409	1722	VV	0.094		17.218	* uncalibrated *
11.055	2011	VV	0.072		20.107	* uncalibrated *
11.302	2878	VV	0.043		28.781	* uncalibrated *
11.405	2499	VV	0.082		24.985	* uncalibrated *
11.694	4348	VV	0.107		43.479	* uncalibrated *
12.009	1945	VV	0.073		19.448	* uncalibrated *

alibration table contains at least one peak with amt = 0



ata File Name	: C:\HPCHEM\1\DATA\vp071405\006F0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 6
ample Name	: V 750	Injection Number	: 1
in Time Bar Code:		Sequence Line	: 1
cquired on	: 14 Jul 05 10:30 AM	Instrument Method	: GAS1.MTH
eport Created on	: 07 Sep 05 02:35 PM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

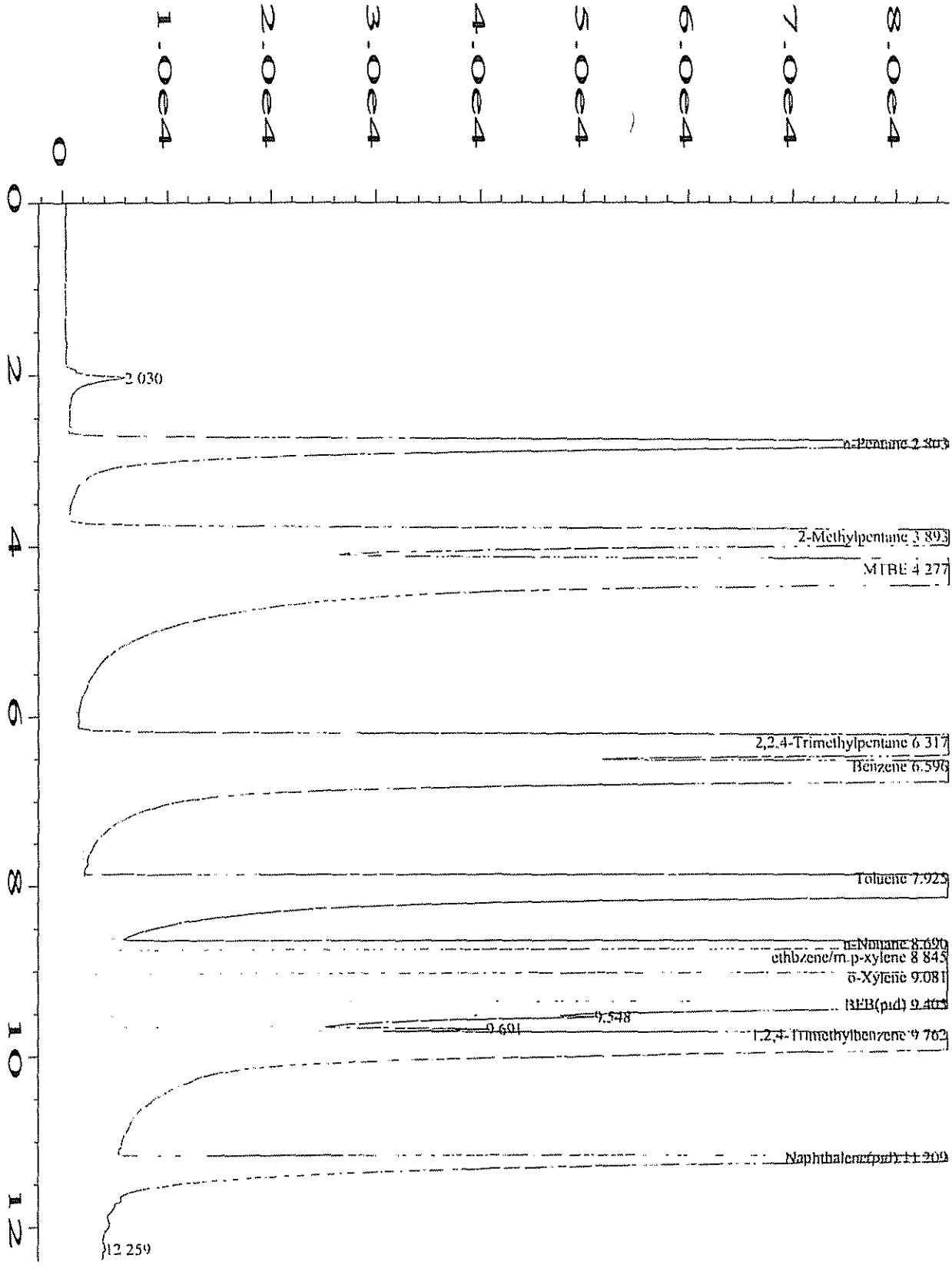
External Standard Report

a File Name : C:\HPCHEM\1\DATA\vp071405\006R0101.D
rator : DCS
trument : FID/PID
ple Name : V 750
Time Bar Code:
uired on : 14 Jul 05 10:30 AM
ort Created on: 07 Sep 05 02:35 PM
t Recalib on : 24 AUG 04 09:09 AM
tiplier : 1

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

. 2 in C:\HPCHEM\1\DATA\vp071405\006R0101.D

Time	Area	Type	Width	Ref#	ug/L	Name
2.803	975481	BV	0.134	1	155.553	n-Pentane
3.893	2424534	PV	0.149	1	256.747	2-Methylpentane
4.277	9621048	VV	0.170	1	319.182	MTBE
6.317	4725068	PV	0.132	1	310.541	2,2,4-Trimethylpentane
6.596	9633231	VV	0.083	1	121.077	Benzene
7.925	1.64822E+007	PV	0.055	1	403.937	Toluene
8.690	2120721	VV	0.048	1	312.456	n-Nonane
8.845	2.20006E+007	VV	0.053	1	650.422	ethbzene/m,p-xylene
9.081	1.12653E+007	VV	0.053	1	290.842	o-Xylene
9.405	956172	VV	0.098	1	64.355	BFB(pid)
9.762	8311246	VV	0.043	1	270.704	1,2,4-Trimethylbenzene
11.209	3517427	VV	0.057	1	200.962	Naphthalene(pid)
2.030	38178	BV	0.091		381.778	* uncalibrated *
9.548	252959	VV	0.087		2529.595	* uncalibrated *
9.691	102580	VV	0.039		1025.798	* uncalibrated *
12.259	1377	VV	0.069		13.769	* uncalibrated *



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ample Name	: V 750	Injection Number	: 1
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eport Created on:	07 Sep 05 02:35 PM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

External Standard Report

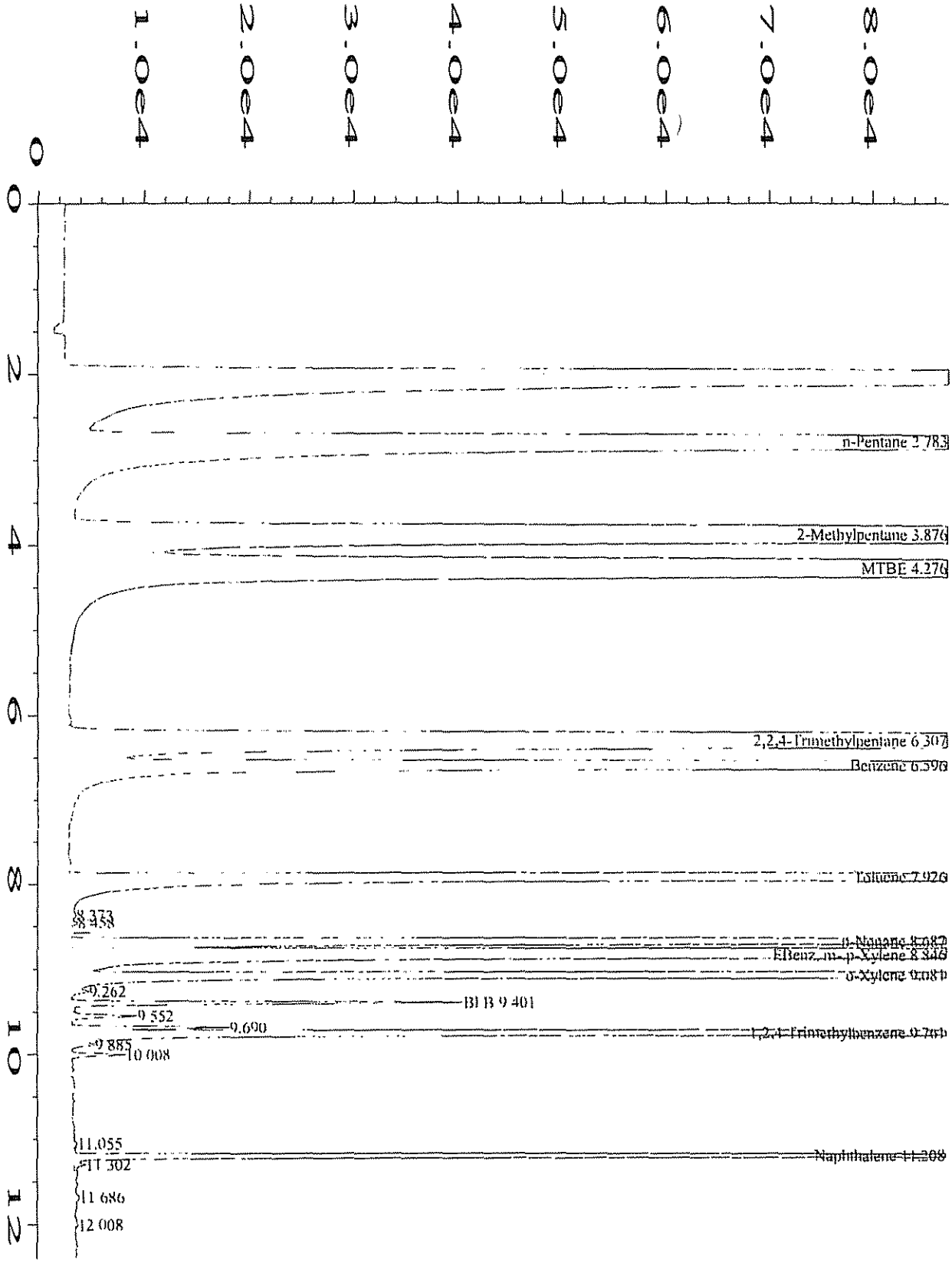
a File Name : C:\HPCHEM\1\DATA\vp071405\008F0101.D
rator : DCS
trument : FID/PID
ıple Name : V 1000
ı Time Bar Code:
quired on : 14 Jul 05 11:21 AM
port Created on: 07 Sep 05 02:35 PM
st Recalib on : 24 AUG 04 09:09 AM
tiplier : 1

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

g. 1 in C:\HPCHEM\1\DATA\vp071405\008F0101.D

Time	Area	Type	Width	Ref#	ug/L	Name
2.783	3704165	BV	0.098	1	9915.121	n-Pentane
3.876	4661301	PV	0.120	1	7537.976	2-Methylpentane
4.276	3978270	VV	0.136	1	127361.9	MTBE
6.307	4551928	VV	0.104	1	12363.83	2,2,4-Trimethylpentane
6.596	3043185	VV	0.057	1	3094.250	Benzene
7.926	8164170	BV	0.037	1	10347.90	Toluene
8.687	4098524	BV	0.036	1	6738.942	n-Nonane
8.846	1.26057E+007	VV	0.035	1	17733.71	EBenz, m-,p-Xylene
9.081	4759327	VV	0.032	1	6716.389	o-Xylene
9.401	72627	VV	0.030	1	279.757	BFB
9.761	3901614	VV	0.030	1	6132.235	1,2,4-Trimethylbenzene
11.208	1571818	VV	0.026	1	-15699.17	Naphthalene
8.373	2545	VV	0.076		25.448	* uncalibrated *
8.458	1897	VB	0.046		18.969	* uncalibrated *
9.262	4665	VV	0.042		46.652	* uncalibrated *
9.552	14161	VV	0.035		141.607	* uncalibrated *
9.690	29684	VV	0.031		296.844	* uncalibrated *
9.885	5004	VV	0.037		50.036	* uncalibrated *
10.008	10327	VV	0.032		103.275	* uncalibrated *
11.055	1037	BV	0.052		10.370	* uncalibrated *
11.302	3169	VV	0.040		31.692	* uncalibrated *
11.686	2006	VV	0.071		20.065	* uncalibrated *
12.008	1448	VV	0.071		14.484	* uncalibrated *

libration table contains at least one peak with amt = 0



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nstrument	: FID/PID	Vial Number	: 8
mple Name	: V 1000	Injection Number	: 1
an Time Bar Code:		Sequence Line	: 1
cquired on	: 14 Jul 05 11:21 AM	Instrument Method	: GAS1.MTH
eport Created on	: 07 Sep 05 02:35 PM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

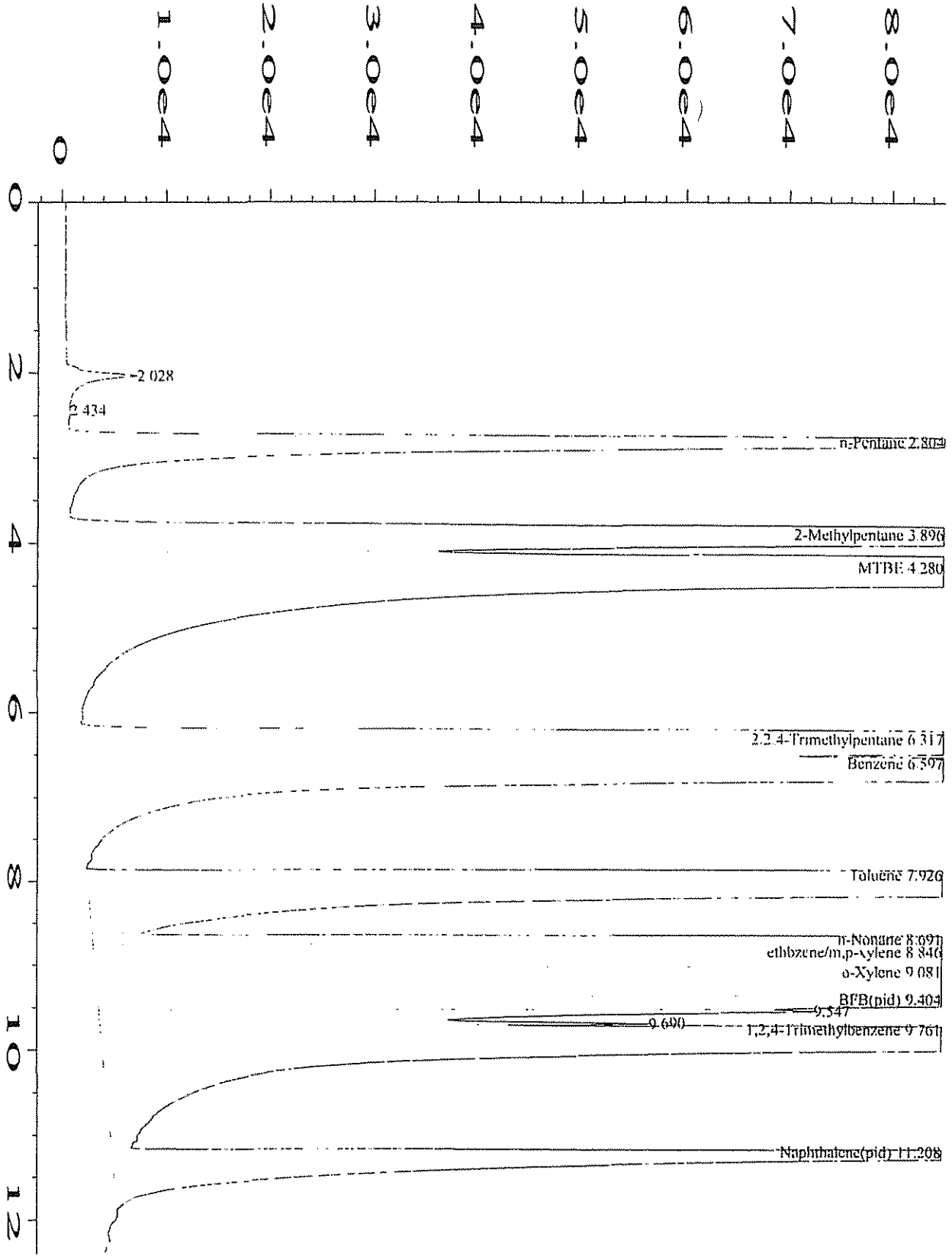
External Standard Report

:a File Name : C:\HPCHEM\1\DATA\vp071405\008R0101.D
erator : DCS
strument : FID/PID
nple Name : V 1000
1 Time Bar Code:
quired on : 14 Jul 05 11:21 AM
port Created on: 07 Sep 05 02:35 PM
st Recalib on : 24 AUG 04 09:09 AM
tiplier : 1

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

g. 2 in C:\HPCHEM\1\DATA\vp071405\008R0101.D

: Time	Area	Type	Width	Ref#	ug/L	Name
2.804	1337647	BV	0.137	1	213.305	n-Pentane
3.896	3236774	PV	0.151	1	342.760	2-Methylpentane
4.280	1.35276E+007	VV	0.173	1	448.783	MTBE
6.317	6150148	VV	0.133	1	404.200	2,2,4-Trimethylpentane
6.597	1.2296E+007	VV	0.083	1	154.545	Benzene
7.926	2.05001E+007	PV	0.056	1	502.405	Toluene
8.691	2706572	VV	0.046	1	398.772	n-Nonane
8.846	2.68764E+007	VV	0.053	1	794.568	ethbzene/m,p-xylene
9.081	1.4125E+007	VV	0.054	1	364.671	o-Xylene
9.404	1283136	VV	0.065	1	86.361	BFB(pid)
9.761	1.07256E+007	VV	0.044	1	349.341	1,2,4-Trimethylbenzene
11.208	5037357	VV	0.057	1	287.801	Naphthalene(pid)
2.028	49839	BV	0.098		498.389	* uncalibrated *
2.434	1338	VB	0.119		13.384	* uncalibrated *
9.547	368835	VV	0.089		3688.351	* uncalibrated *
9.690	144281	VV	0.039		1442.812	* uncalibrated *



a File Name	: C:\HPCHEM\1\DATA\vp071405\008R0101.D		
rator	: DCS	Page Number	: 1
trument	: FID/PID	Vial Number	: 8
ple Name	: V 1000	Injection Number	: 1
Time Bar Code:		Sequence Line	: 1
uired on	: 14 Jul 05 11:21 AM	Instrument Method	: GAS1.MTH
ort Created on	: 07 Sep 05 02:35 PM	Analysis Method	: vph_pid.MTH
t Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
tiplier	: 1	ISTD Amount	:

VPH CVS Raw Data

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 07/14/05 PID Initial Calibration Date: 07/14/05

Calibration Ranges and Limits

Range	MDL (07/15/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_5-C_8 Aliphatics	4.4	14	100	10
C_9-C_{12} Aliphatics	3.4	11	100	10
C_9-C_{10} Aromatics	0.13	0.41	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	%RSD or CCC	Method of Quantitation
C_5-C_8 Aliphatics	40	10.9	Calibration Factor
	1000		
	2000		
	3000		
	4000		
C_9-C_{12} Aliphatics	10	21.9	Calibration Factor
	250		
	500		
	750		
	1000		
C_9-C_{10} Aromatics	10	19.5	Calibration Factor
	250		
	500		
	750		
	1000		

Calibration Check Date: 07/25/05

Calibration Check

Range	Levels (µg/L)	(mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	11.8
C_9-C_{12} Aliphatics	500	50	6.4
C_9-C_{10} Aromatics	500	50	-1.7

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

External Standard Report

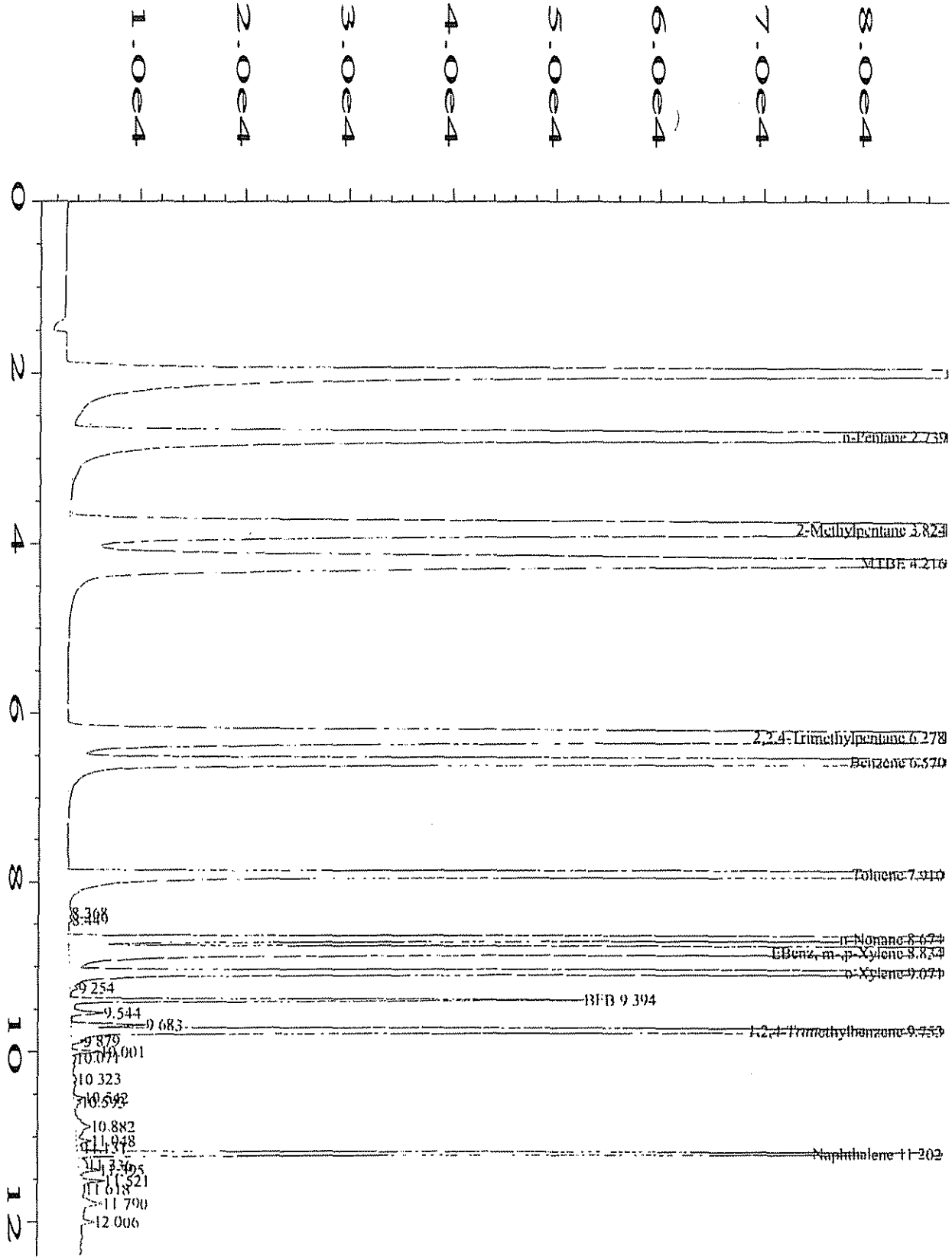
ta File Name : C:\HPCHEM\1\DATA\vp072505\002F0101.D
erator : DCS
strument : FID/PID
mple Name : V 500
n Time Bar Code:
quired on : 25 Jul 05 08:47 AM
port Created on: 26 Jul 05 11:32 AM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 1
Vial Number : 2
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

g. 1 in C:\HPCHEM\1\DATA\vp072505\002F0101.D

t Time	Area	Type	Width	Ref#	ug/L	Name
2.739	1486141	BV	0.088	1	3525.816	n-Pentane
3.824	1925375	PV	0.120	1	2805.876	2-Methylpentane
4.216	1013926	VB	0.138	1	26412.35	MTBE
6.278	1755085	BV	0.106	1	4246.957	2,2,4-Trimethylpentane
6.570	1203088	VB	0.057	1	1133.706	Benzene
7.910	3273247	BV	0.038	1	3726.274	Toluene
8.674	1609684	BV	0.035	1	2506.364	n-Nonane
8.834	5330895	VV	0.037	1	6658.441	EBenz, m-,p-Xylene
9.071	2080804	VV	0.033	1	2611.467	o-Xylene
9.394	90407	VV	0.029	1	348.245	BFB
9.753	1870510	VV	0.031	1	2622.674	1,2,4-Trimethylbenzene
11.202	457620	VV	0.026	1	-3193.576	Naphthalene
8.368	1715	VV	0.068		17.149	* uncalibrated *
8.449	1180	VB	0.048		11.804	* uncalibrated *
9.254	2255	VV	0.043		22.551	* uncalibrated *
9.544	8253	VV	0.039		82.534	* uncalibrated *
9.683	13533	PV	0.030		135.329	* uncalibrated *
9.879	2360	VV	0.035		23.604	* uncalibrated *
10.001	5639	VV	0.032		56.387	* uncalibrated *
10.071	1289	VV	0.058		12.890	* uncalibrated *
10.323	1457	PV	0.057		14.573	* uncalibrated *
10.542	2217	PV	0.035		22.167	* uncalibrated *
10.593	2275	VV	0.050		22.752	* uncalibrated *
10.882	9893	PV	0.091		98.929	* uncalibrated *
11.048	3901	VV	0.040		39.008	* uncalibrated *
11.131	1564	VV	0.046		15.643	* uncalibrated *
11.336	4897	VV	0.068		48.974	* uncalibrated *
11.395	5573	VV	0.040		55.728	* uncalibrated *
11.521	7226	VV	0.042		72.257	* uncalibrated *
11.618	3301	VV	0.082		33.006	* uncalibrated *
11.790	9907	VV	0.062		99.065	* uncalibrated *
12.006	3431	VB	0.041		34.307	* uncalibrated *

alibration table contains at least one peak with amt = 0



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ample Name	: V 500	Injection Number	: 1
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cquired on	: 25 Jul 05 08:47 AM	Instrument Method	: GAS1.MTH
eport Created on	: 26 Jul 05 11:32 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

External Standard Report

ta File Name	: C:\HPCHEM\1\DATA\vp072505\002R0101.D		
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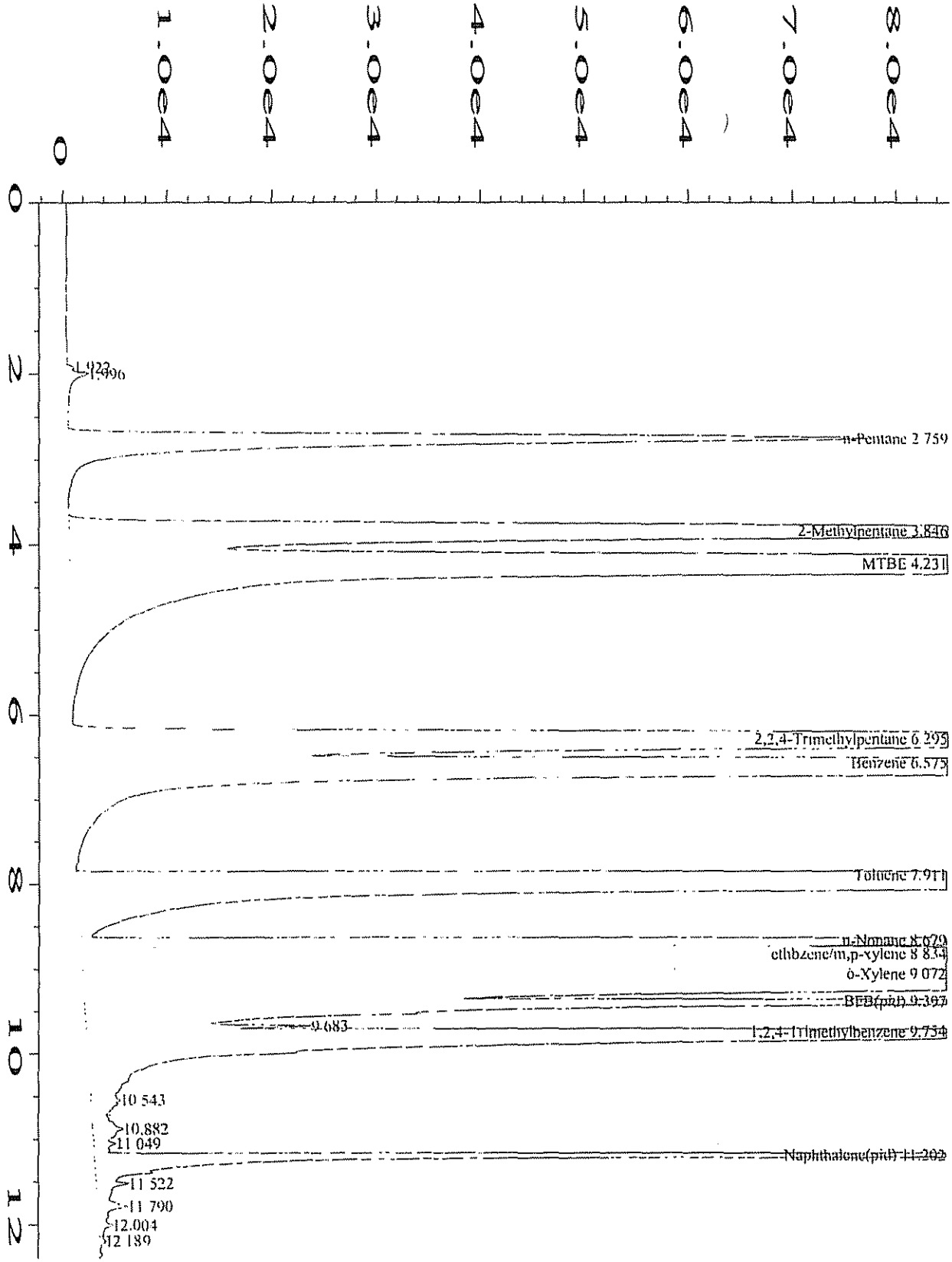
strument	: FID/PID	Vial Number	: 2
mple Name	: V 500	Injection Number	: 1
n Time Bar Code:		Sequence Line	: 1
quired on	: 25 Jul 05 08:47 AM	Instrument Method:	GAS1.MTH
port Created on:	26 Jul 05 11:32 AM	Analysis Method	: vph_pid.MTH
st Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ltiplier	: 1	ISTD Amount	:

g. 2 in C:\HPCHEM\1\DATA\vp072505\002R0101.D

t Time	Area	Type	Width	Ref#	ug/L	Name
2.759	641525	BV	0.124	1	102.299	n-Pentane
3.846	1564204	PV	0.143	1	165.642	2-Methylpentane
4.231	4421915	VV	0.166	1	146.699	MTBE
6.295	2774469	PV	0.130	1	182.344	2,2,4-Trimethylpentane
6.575	6380060	VV	0.081	1	80.189	Benzene
7.911	1.06262E+007	PV	0.053	1	260.421	Toluene
8.679	1227776	VV	0.047	1	180.894	n-Nonane
8.834	1.49194E+007	VV	0.051	1	441.073	ethbzene/m,p-xylene
9.072	7125999	VV	0.051	1	183.976	o-Xylene
9.397	1085077	VV	0.056	1	73.031	BFB(pid)
9.754	4860193	VV	0.039	1	158.300	1,2,4-Trimethylbenzene
11.202	1341507	VV	0.031	1	76.645	Naphthalene(pid)
1.922	1923	BV	0.042		19.230	* uncalibrated *
1.996	12302	VB	0.082		123.022	* uncalibrated *
9.683	58786	VV	0.039		587.863	* uncalibrated *
10.543	13909	VV	0.064		139.087	* uncalibrated *
10.882	36659	VV	0.152		366.592	* uncalibrated *
11.049	9305	VV	0.059		93.048	* uncalibrated *
11.522	13037	VV	0.057		130.370	* uncalibrated *
11.790	18777	VV	0.083		187.768	* uncalibrated *
12.004	7614	VV	0.076		76.139	* uncalibrated *
12.189	2751	VV	0.066		27.506	* uncalibrated *



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eport Created on:	26 Jul 05 11:32 AM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

VPH QC, Blanks Raw Data

External Standard Report

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strument : FID/PID
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n Time Bar Code:
quired on : 25 Jul 05 10:28 AM
port Created on: 25 Jul 05 02:08 PM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

g. 1 in C:\HPCHEM\1\DATA\vp072505\006F0101.D

t Time	Area	Type	Width	Ref#	ug/L	Name
2.778	* not found *			1		n-Pentane
3.825	1975	BB	0.099	1	0.351	2-Methylpentane
4.282	* not found *			1		MTBE
6.280	5602	VV	0.101	1	1.076	2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.912	1559	BV	0.040	1	0.166	Toluene
8.674	14798	BV	0.042	1	3.713	n-Nonane
8.833	3582	VV	0.043	1	0.350	EBenz, m-,p-Xylene
9.124	2076	BV	0.060	1	0.206	o-Xylene
9.394	82062	BV	0.029	1	316.101	BFB
9.754	4882	VB	0.043	1	0.520	1,2,4-Trimethylbenzene
11.203	2312	VV	0.031	1	0.546	Naphthalene
7.267	1305	BV	0.063		13.053	* uncalibrated *
7.375	2869	VV	0.075		28.690	* uncalibrated *
7.503	2116	VB	0.086		21.157	* uncalibrated *
8.374	1463	BV	0.058		14.632	* uncalibrated *
8.451	1127	VB	0.059		11.273	* uncalibrated *
9.519	3402	VV	0.049		34.023	* uncalibrated *
9.998	1095	BV	0.034		10.948	* uncalibrated *
10.107	2394	VV	0.065		23.943	* uncalibrated *
10.318	1263	VV	0.035		12.629	* uncalibrated *
10.550	2783	VV	0.055		27.833	* uncalibrated *
11.522	1755	VB	0.051		17.548	* uncalibrated *
11.758	3156	BV	0.060		31.557	* uncalibrated *
12.006	1599	VB	0.037		15.989	* uncalibrated *

'alibration table contains at least one peak with amt = 0

ot all calibrated peaks were found

External Standard Report

ta File Name : C:\HPCHEM\1\DATA\vp072505\006R0101.D
erator : DCS
strument : FID/PID
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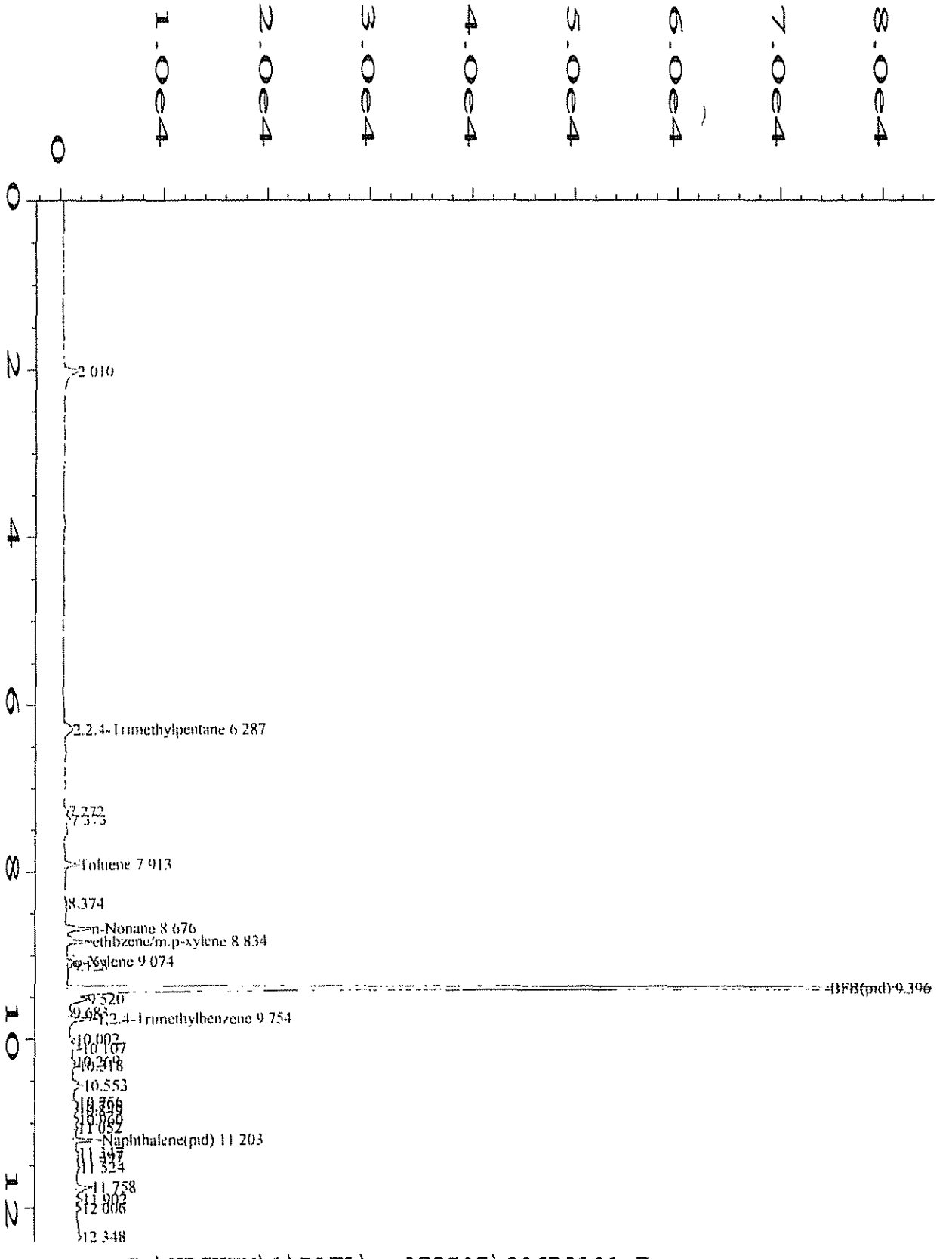
n Time Bar Code:
quired on : 25 Jul 05 10:28 AM
port Created on: 25 Jul 05 02:08 PM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

g. 2 in C:\HPCHEM\1\DATA\vp072505\006R0101.D

t Time	Area	Type	Width	Ref#	ug/L	Name
2.829	* not found *			1		n-Pentane
3.878	* not found *			1		2-Methylpentane
4.267	* not found *			1		MTBE
6.287	5489	BV	0.098	1	0.361	2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.913	4349	VV	0.047	1	0.107	Toluene
8.676	7249	BV	0.044	1	1.068	n-Nonane
8.834	7786	VB	0.045	1	0.230	ethbzene/m,p-xylene
9.074	1682	BV	0.036	1	0.0434	o-Xylene
9.396	386870	BV	0.032	1	26.038	BFB(pid)
9.754	7270	VV	0.039	1	0.237	1,2,4-Trimethylbenzene
11.203	5936	VV	0.033	1	0.339	Naphthalene(pid)
2.010	7759	BB	0.084		77.590	* uncalibrated *
7.272	1492	BV	0.063		14.917	* uncalibrated *
7.373	2209	VV	0.070		22.094	* uncalibrated *
8.374	555	BV	0.056		5.546	* uncalibrated *
9.123	1091	VV	0.041		10.912	* uncalibrated *
9.520	7449	VV	0.060		74.487	* uncalibrated *
9.683	1456	VV	0.050		14.562	* uncalibrated *
10.002	1359	VV	0.039		13.589	* uncalibrated *
10.107	4406	VV	0.053		44.061	* uncalibrated *
10.269	1246	VV	0.041		12.464	* uncalibrated *
10.318	1968	VV	0.036		19.681	* uncalibrated *
10.553	4972	VV	0.059		49.723	* uncalibrated *
10.756	1834	VV	0.054		18.342	* uncalibrated *
10.798	1338	VV	0.035		13.382	* uncalibrated *
10.849	1701	VV	0.045		17.011	* uncalibrated *
10.960	2167	VV	0.064		21.668	* uncalibrated *
11.052	1670	VV	0.062		16.700	* uncalibrated *
11.347	1243	VV	0.050		12.433	* uncalibrated *
11.397	1170	VV	0.039		11.696	* uncalibrated *
11.524	2259	VV	0.061		22.595	* uncalibrated *
11.758	5776	VV	0.051		57.760	* uncalibrated *
11.902	1444	VV	0.038		14.436	* uncalibrated *
12.006	1486	VB	0.047		14.859	* uncalibrated *
12.348	826	VBA	0.044		8.260	* uncalibrated *

ot all calibrated peaks were found



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nstrument	: FID/PID	Vial Number	: 6
ample Name	: vblk4072505a	Injection Number	: 1
in Time Bar Code:		Sequence Line	: 1
cquired on	: 25 Jul 05 10:28 AM	Instrument Method:	GAS1.MTH
eport Created on:	25 Jul 05 02:08 PM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

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External Standard Report

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ta File Name : C:\HPCHEM\1\DATA\vp072505\012F0101.D
erator : DCS
strument : FID/PID
mple Name : lcs4072505b
n Time Bar Code:
quired on : 25 Jul 05 03:03 PM
port Created on: 25 Jul 05 03:16 PM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

456

g. 1 in C:\HPCHEM\1\DATA\vp072505\012F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.754	44665	BV	0.085	1	44.550	n-Pentane
3.840	64856	BV	0.126	1	11.519	2-Methylpentane
4.179	61429	VV	0.164	1	143.999	MTBE
6.287	55363	VV	0.113	1	10.634	2,2,4-Trimethylpentane
6.578	62478	VV	0.088	1	7.918	Benzene
7.914	198102	VV	0.040	1	21.029	Toluene
8.675	9495	VV	0.048	1	2.382	n-Nonane
8.834	194688	VV	0.040	1	19.032	EBenz, m-,p-Xylene
9.073	65904	VV	0.047	1	6.543	o-Xylene
9.396	83536	PV	0.029	1	321.779	BFB
9.754	86703	VV	0.047	1	9.228	1,2,4-Trimethylbenzene
11.204	4987	VV	0.032	1	1.177	Naphthalene
2.978	16746	PV	0.071		167.461	* uncalibrated *
3.175	29950	VB	0.109		299.501	* uncalibrated *
4.499	33585	VV	0.111		335.854	* uncalibrated *
4.818	23565	PV	0.175		235.648	* uncalibrated *
5.066	13988	VV	0.121		139.884	* uncalibrated *
5.190	11494	VV	0.106		114.936	* uncalibrated *
5.447	23207	VV	0.109		232.073	* uncalibrated *
5.766	1805	PV	0.093		18.047	* uncalibrated *
5.936	20267	VV	0.088		202.670	* uncalibrated *
6.063	47565	VV	0.142		475.650	* uncalibrated *
6.719	9210	VV	0.074		92.101	* uncalibrated *
6.808	7555	VV	0.066		75.547	* uncalibrated *
6.966	18358	VV	0.107		183.577	* uncalibrated *
7.103	11761	VV	0.073		117.614	* uncalibrated *
7.269	24182	VV	0.073		241.821	* uncalibrated *
7.376	38200	VV	0.076		381.998	* uncalibrated *
7.511	24207	VV	0.091		242.072	* uncalibrated *
7.784	15032	VV	0.065		150.320	* uncalibrated *
8.047	8835	VV	0.103		88.353	* uncalibrated *
8.372	12495	VV	0.065		124.954	* uncalibrated *
8.453	5949	VV	0.047		59.489	* uncalibrated *
9.196	2007	VV	0.036		20.073	* uncalibrated *
9.257	5071	VV	0.038		50.710	* uncalibrated *
9.521	105949	VV	0.053		1059.492	* uncalibrated *
9.684	18360	VV	0.034		183.598	* uncalibrated *
9.886	2895	VV	0.048		28.952	* uncalibrated *
10.003	18521	VV	0.032		185.213	* uncalibrated *
10.107	34008	VV	0.052		340.080	* uncalibrated *
10.176	12435	VV	0.044		124.349	* uncalibrated *

ta File Name : C:\HPCHEM\1\DATA\vp072505\012F0101.D
erator : DCS
strument : FID/PID
mple Name : lcs4072505b
n Time Bar Code:
quired on : 25 Jul 05 03:03 PM
port Created on: 25 Jul 05 03:16 PM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 2
Vial Number : 12
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.267	13515	VV	0.041	135.150	* uncalibrated *
10.317	14617	VV	0.037	146.166	* uncalibrated *
10.393	3801	VV	0.044	38.007	* uncalibrated *
10.441	2963	VV	0.035	29.628	* uncalibrated *
10.554	25111	VV	0.066	251.113	* uncalibrated *
10.640	3005	VV	0.042	30.053	* uncalibrated *
10.757	15037	VV	0.067	150.372	* uncalibrated *
10.849	7373	VV	0.037	73.727	* uncalibrated *
10.967	7664	VV	0.064	76.637	* uncalibrated *
11.050	6339	VV	0.077	63.389	* uncalibrated *
11.347	2293	VV	0.047	22.934	* uncalibrated *
11.478	2415	VV	0.055	24.154	* uncalibrated *
11.524	2607	VV	0.069	26.073	* uncalibrated *
11.758	3791	VV	0.041	37.914	* uncalibrated *
11.903	1222	VV	0.038	12.216	* uncalibrated *

alibration table contains at least one peak with amt = 0

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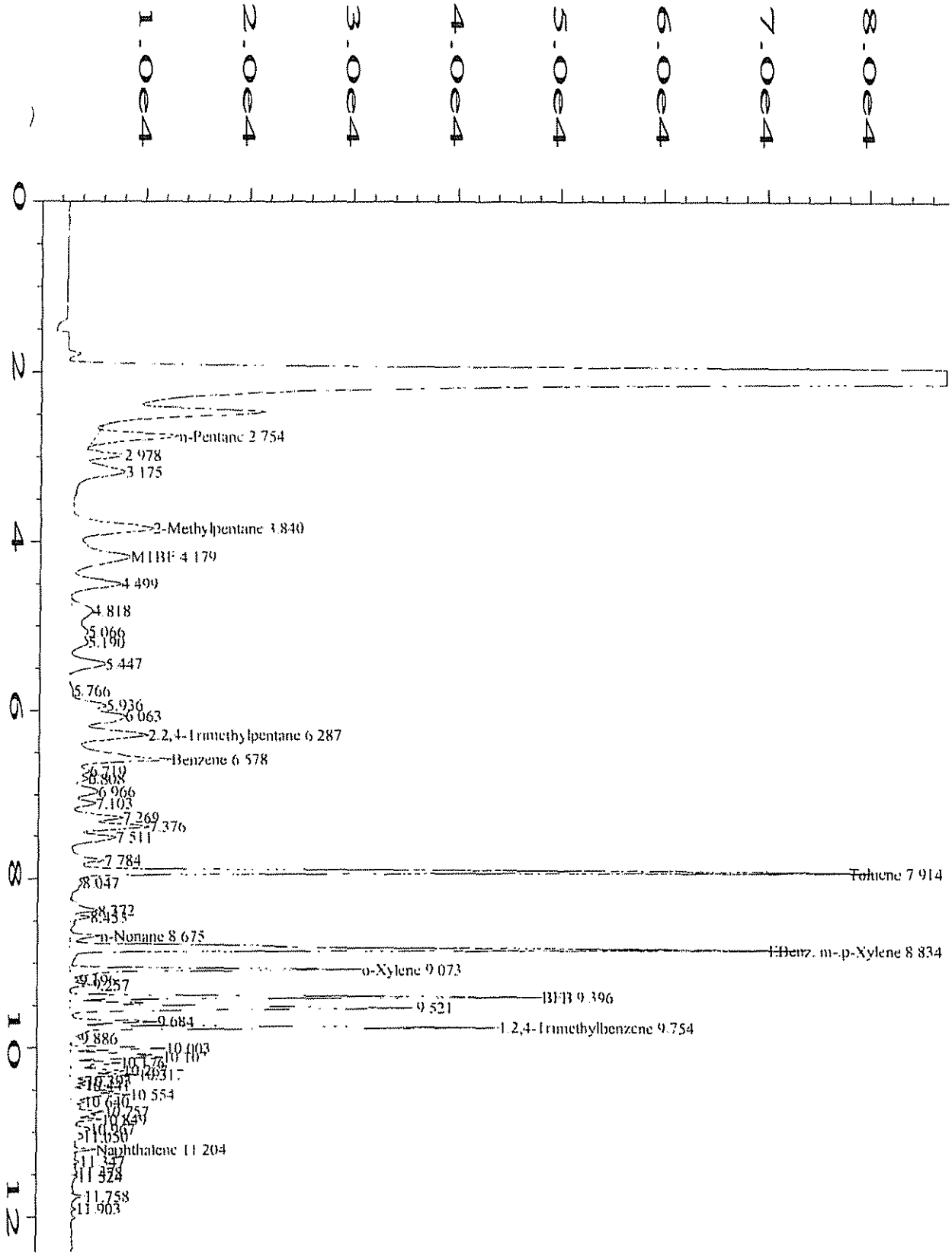

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nstrument	: FID/PID	Vial Number	: 12
ample Name	: lcs4072505b	Injection Number	: 1
an Time Bar Code:		Sequence Line	: 1
cquired on	: 25 Jul 05 03:03 PM	Instrument Method	: GAS1.MTH
eport Created on	: 25 Jul 05 03:16 PM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

External Standard Report

ıta File Name : C:\HPCHEM\1\DATA\vp072505\012R0101.D
ɔerator : DCS
ıstrument : FID/PID
ımple Name : lcs4072505b
ın Time Bar Code:
ɔquired on : 25 Jul 05 03:03 PM
ɜport Created on: 25 Jul 05 03:16 PM
ast Recalib on : 24 AUG 04 09:09 AM
ıltiplier : 1

Page Number : 1
Vial Number : 12
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

ig. 2 in C:\HPCHEM\1\DATA\vp072505\012R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.801	62328	VV	0.142	1	9.939	n-Pentane
3.854	56357	VV	0.156	1	5.968	2-Methylpentane
4.234	78364	VV	0.162	1	2.600	MTBE
6.297	69783	VV	0.128	1	4.586	2,2,4-Trimethylpentane
6.588	193623	VV	0.079	1	2.434	Benzene
7.917	512107	VV	0.044	1	12.550	Toluene
8.678	5963	VV	0.055	1	0.879	n-Nonane
8.835	421811	VV	0.042	1	12.470	ethbzene/m,p-xylene
9.074	117931	VV	0.037	1	3.045	o-Xylene
9.398	393924	PV	0.033	1	26.513	BFB(pid)
9.754	161507	VV	0.034	1	5.260	1,2,4-Trimethylbenzene
11.204	9619	VV	0.030	1	0.550	Naphthalene(pid)
2.032	62261	VV	0.083		622.606	* uncalibrated *
2.150	31033	VV	0.081		310.334	* uncalibrated *
2.497	70690	VV	0.138		706.898	* uncalibrated *
2.983	58000	VV	0.088		580.004	* uncalibrated *
3.177	90335	VV	0.148		903.353	* uncalibrated *
4.035	18189	VV	0.096		181.889	* uncalibrated *
4.484	33575	VV	0.138		335.746	* uncalibrated *
4.816	43684	VV	0.176		436.844	* uncalibrated *
5.062	13306	VV	0.098		133.061	* uncalibrated *
5.195	21258	VV	0.122		212.575	* uncalibrated *
5.456	13945	VV	0.117		139.452	* uncalibrated *
5.765	2323	PV	0.096		23.226	* uncalibrated *
6.060	60886	VV	0.140		608.857	* uncalibrated *
6.807	11525	VV	0.067		115.249	* uncalibrated *
6.977	16543	VV	0.098		165.431	* uncalibrated *
7.109	16136	VV	0.074		161.365	* uncalibrated *
7.276	28340	VV	0.071		283.396	* uncalibrated *
7.378	48691	VV	0.084		486.914	* uncalibrated *
7.518	25802	VV	0.094		258.024	* uncalibrated *
7.783	14750	VV	0.085		147.495	* uncalibrated *
8.365	11759	VV	0.085		117.586	* uncalibrated *
8.455	5486	VV	0.051		54.861	* uncalibrated *
9.196	1500	VV	0.036		15.004	* uncalibrated *
9.258	7564	VV	0.038		75.638	* uncalibrated *
9.467	23274	VV	0.028		232.743	* uncalibrated *
9.523	185628	VV	0.052		1856.284	* uncalibrated *
9.685	28694	VV	0.035		286.936	* uncalibrated *
9.885	4689	VV	0.050		46.894	* uncalibrated *
10.004	29127	VV	0.032		291.274	* uncalibrated *

ta File Name : C:\HPCHEM\1\DATA\vp072505\012R0101.D
erator : DCS
strument : FID/PID
mple Name : lcs4072505b
n Time Bar Code:
quired on : 25 Jul 05 03:03 PM
port Created on: 25 Jul 05 03:16 PM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 2
Vial Number : 12
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.107	56973	VV	0.051	569.732	* uncalibrated *
10.176	20174	VV	0.045	201.739	* uncalibrated *
10.268	20694	VV	0.041	206.939	* uncalibrated *
10.317	21392	VV	0.037	213.915	* uncalibrated *
10.394	4740	VV	0.041	47.396	* uncalibrated *
10.441	4197	VV	0.035	41.967	* uncalibrated *
10.555	41377	VV	0.075	413.766	* uncalibrated *
10.640	3931	VV	0.038	39.308	* uncalibrated *
10.757	21892	VV	0.065	218.916	* uncalibrated *
10.849	10161	VV	0.036	101.606	* uncalibrated *
10.969	10883	VV	0.064	108.829	* uncalibrated *
11.036	7230	VV	0.092	72.301	* uncalibrated *
11.262	2321	VV	0.055	23.205	* uncalibrated *
11.347	2933	VV	0.047	29.327	* uncalibrated *
11.478	5542	VV	0.079	55.422	* uncalibrated *
11.758	6058	VV	0.036	60.585	* uncalibrated *
11.902	1671	VV	0.032	16.714	* uncalibrated *
12.352	409	VBA	0.036	4.093	* uncalibrated *

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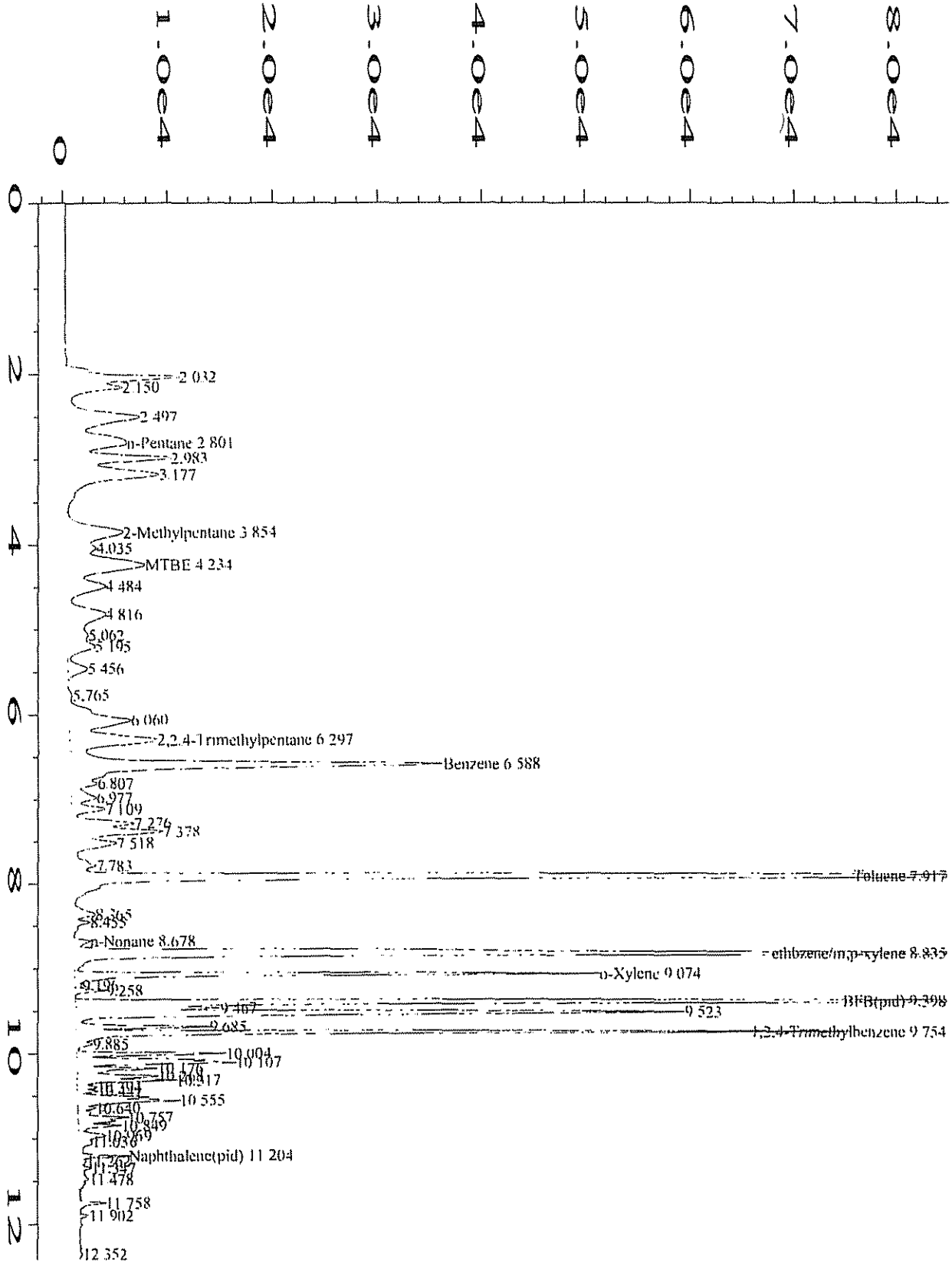

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perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 12
ample Name	: lcs4072505b	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 25 Jul 05 03:03 PM	Instrument Method:	GAS1.MTH
eport Created on:	25 Jul 05 03:16 PM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

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External Standard Report

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ta File Name : C:\HPCHEM\1\DATA\vp072505\014F0101.D
erator : DCS
strument : FID/PID
mple Name : g161-2077-1a ms
n Time Bar Code:
quired on : 25 Jul 05 03:57 PM
port Created on: 26 Jul 05 07:56 AM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

467
501

g. 1 in C:\HPCHEM\1\DATA\vp072505\014F0101.D

t Time	Area	Type	Width	Ref#	ug/L	Name
2.760	46232	BV	0.084	1	46.114	n-Pentane
3.889	92099	VV	0.106	1	16.358	2-Methylpentane
4.194	61297	VV	0.152	1	143.690	MTBE
6.294	56673	VV	0.113	1	10.885	2,2,4-Trimethylpentane
6.585	66343	VV	0.087	1	8.408	Benzene
7.916	213684	VV	0.040	1	22.683	Toluene
8.675	8453	VV	0.049	1	2.121	n-Nonane
8.834	203405	VV	0.040	1	19.884	EBenz, m-,p-Xylene
9.073	71674	VV	0.047	1	7.116	o-Xylene
9.396	88243	PV	0.030	1	339.913	BFB
9.754	89587	VV	0.051	1	9.535	1,2,4-Trimethylbenzene
11.203	4281	VV	0.031	1	1.010	Naphthalene
2.991	17275	PV	0.070		172.749	* uncalibrated *
3.190	20884	PV	0.081		208.843	* uncalibrated *
3.709	1693	PV	0.035		16.929	* uncalibrated *
4.514	35082	VV	0.107		350.819	* uncalibrated *
4.832	24424	PV	0.169		244.240	* uncalibrated *
5.079	14282	VV	0.118		142.824	* uncalibrated *
5.203	12209	VV	0.106		122.093	* uncalibrated *
5.459	24864	VV	0.106		248.638	* uncalibrated *
5.776	1892	PV	0.090		18.920	* uncalibrated *
5.944	20952	VV	0.086		209.523	* uncalibrated *
6.070	50951	VV	0.123		509.513	* uncalibrated *
6.725	9736	VV	0.073		97.355	* uncalibrated *
6.814	8133	VV	0.065		81.326	* uncalibrated *
6.971	18668	VV	0.107		186.682	* uncalibrated *
7.110	13054	VV	0.072		130.544	* uncalibrated *
7.273	24544	VV	0.072		245.435	* uncalibrated *
7.380	39179	VV	0.076		391.786	* uncalibrated *
7.516	23645	VV	0.089		236.451	* uncalibrated *
7.786	15390	VV	0.064		153.896	* uncalibrated *
8.050	8532	VV	0.114		85.321	* uncalibrated *
8.223	6034	VV	0.037		60.342	* uncalibrated *
8.372	13118	VV	0.063		131.176	* uncalibrated *
8.453	5840	VV	0.044		58.403	* uncalibrated *
9.197	2597	VV	0.036		25.967	* uncalibrated *
9.257	5428	VV	0.038		54.283	* uncalibrated *
9.521	107527	VV	0.053		1075.268	* uncalibrated *
9.685	19439	VV	0.035		194.386	* uncalibrated *
9.890	3262	VV	0.051		32.618	* uncalibrated *
10.003	19136	VV	0.032		191.364	* uncalibrated *

ta File Name : C:\HPCHEM\1\DATA\vp072505\014F0101.D
erator : DCS
strument : FID/PID
mple Name : g161-2077-1a ms
n Time Bar Code:
quired on : 25 Jul 05 03:57 PM
port Created on: 26 Jul 05 07:56 AM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 2
Vial Number : 14
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.107	33188	VV	0.052	331.884	* uncalibrated *
10.176	12057	VV	0.044	120.574	* uncalibrated *
10.268	12877	VV	0.048	128.769	* uncalibrated *
10.317	15676	VV	0.039	156.764	* uncalibrated *
10.393	3485	VV	0.039	34.854	* uncalibrated *
10.441	2510	VV	0.033	25.105	* uncalibrated *
10.554	22624	VV	0.070	226.237	* uncalibrated *
10.640	2358	VV	0.041	23.580	* uncalibrated *
10.694	1935	VV	0.045	19.347	* uncalibrated *
10.757	10311	VV	0.056	103.112	* uncalibrated *
10.850	6202	VV	0.034	62.021	* uncalibrated *
10.967	5732	VV	0.061	57.316	* uncalibrated *
11.049	3075	VV	0.058	30.746	* uncalibrated *
11.758	1991	VV	0.032	19.910	* uncalibrated *
11.899	1035	VV	0.037	10.352	* uncalibrated *
12.091	1194	PV	0.045	11.945	* uncalibrated *

alibration table contains at least one peak with amt = 0

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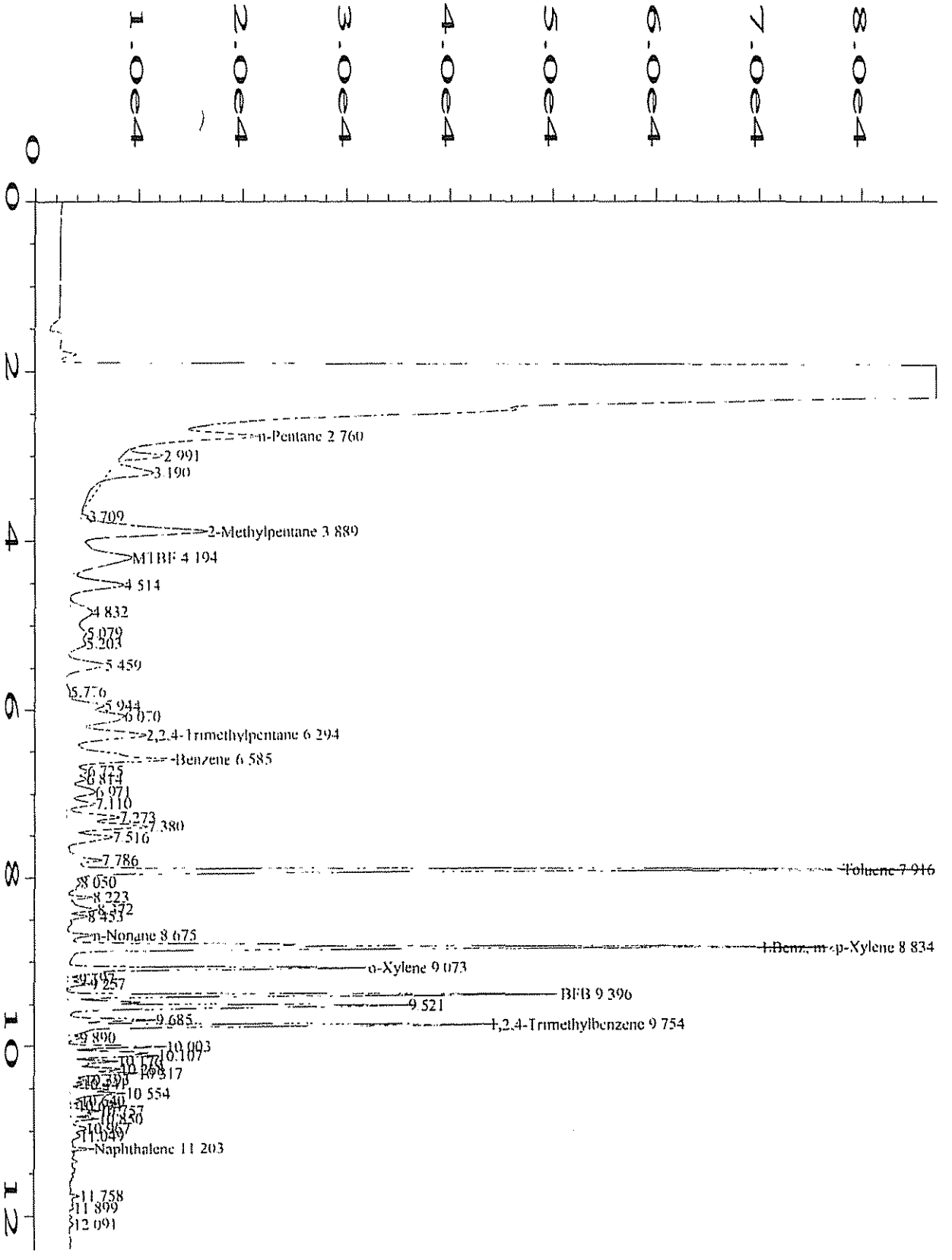

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nstrument	: FID/PID	Vial Number	: 14
ample Name	: g161-2077-1a ms	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 25 Jul 05 03:57 PM	Instrument Method	: GAS1.MTH
eport Created on	: 26 Jul 05 07:56 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

External Standard Report

ıta File Name : C:\HPCHEM\1\DATA\vp072505\014R0101.D
)erator : DCS
ıstrument : FID/PID
ımple Name : g161-2077-1a ms
ın Time Bar Code:
:quired on : 25 Jul 05 03:57 PM
:port Created on: 26 Jul 05 07:56 AM
ıst Recalib on : 24 AUG 04 09:09 AM
ıltiplier : 1

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

.g. 2 in C:\HPCHEM\1\DATA\vp072505\014R0101.D

ɛt Time	Area	Type	Width	Ref#	ug/L	Name
2.814	79447	VV	0.131	1	12.669	n-Pentane
3.901	86008	VV	0.132	1	9.108	2-Methylpentane
4.269	104051	VV	0.146	1	3.452	MTBE
6.305	75932	VV	0.129	1	4.990	2,2,4-Trimethylpentane
6.596	220204	VV	0.080	1	2.768	Benzene
7.920	561867	VV	0.045	1	13.770	Toluene
8.678	5312	PV	0.056	1	0.783	n-Nonane
8.836	441520	VV	0.042	1	13.053	ethbzene/m,p-xylene
9.074	124760	VV	0.037	1	3.221	o-Xylene
9.399	442748	VV	0.049	1	29.799	BFB(pid)
9.755	165300	VV	0.034	1	5.384	1,2,4-Trimethylbenzene
11.204	10672	VV	0.033	1	0.610	Naphthalene(pid)
1.808	1566	BV	0.053		15.659	* uncalibrated *
2.118	251869	VV	0.116		2518.685	* uncalibrated *
2.495	82487	VV	0.149		824.868	* uncalibrated *
3.001	79860	VV	0.089		798.601	* uncalibrated *
3.195	125285	VV	0.147		1252.852	* uncalibrated *
4.049	24722	VV	0.082		247.215	* uncalibrated *
4.501	41884	VV	0.139		418.842	* uncalibrated *
4.831	50131	VV	0.175		501.309	* uncalibrated *
5.077	15560	VV	0.096		155.599	* uncalibrated *
5.208	23778	VV	0.122		237.777	* uncalibrated *
5.471	16239	VV	0.118		162.388	* uncalibrated *
5.777	2326	PV	0.089		23.258	* uncalibrated *
6.068	66540	VV	0.140		665.405	* uncalibrated *
6.813	12688	VV	0.066		126.882	* uncalibrated *
6.983	17575	VV	0.096		175.746	* uncalibrated *
7.116	18954	VV	0.074		189.538	* uncalibrated *
7.281	29983	VV	0.071		299.831	* uncalibrated *
7.382	51414	VV	0.084		514.141	* uncalibrated *
7.523	25867	VV	0.092		258.669	* uncalibrated *
7.785	15282	VV	0.083		152.817	* uncalibrated *
8.226	6812	VV	0.045		68.124	* uncalibrated *
8.366	12652	VV	0.082		126.523	* uncalibrated *
8.455	5320	VV	0.048		53.197	* uncalibrated *
9.199	2207	VV	0.038		22.070	* uncalibrated *
9.258	8290	VV	0.040		82.901	* uncalibrated *
9.523	188112	VV	0.052		1881.121	* uncalibrated *
9.685	30458	VV	0.039		304.576	* uncalibrated *
9.889	6240	VV	0.057		62.398	* uncalibrated *
10.004	30523	VV	0.033		305.232	* uncalibrated *

ta File Name : C:\HPCHEM\1\DATA\vp072505\014R0101.D
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strument : FID/PID
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n Time Bar Code:
quired on : 25 Jul 05 03:57 PM
port Created on: 26 Jul 05 07:56 AM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 2
Vial Number : 14
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.108	56520	VV	0.052	565.196	* uncalibrated *
10.176	20664	VV	0.038	206.642	* uncalibrated *
10.269	20628	VV	0.041	206.283	* uncalibrated *
10.317	22406	VV	0.039	224.062	* uncalibrated *
10.394	5175	VV	0.041	51.750	* uncalibrated *
10.442	4410	VV	0.036	44.101	* uncalibrated *
10.555	39947	VV	0.075	399.469	* uncalibrated *
10.640	3941	VV	0.039	39.409	* uncalibrated *
10.697	3521	VV	0.048	35.208	* uncalibrated *
10.757	17454	VV	0.057	174.537	* uncalibrated *
10.849	10069	VV	0.037	100.689	* uncalibrated *
10.968	10568	VV	0.064	105.676	* uncalibrated *
11.036	2577	VV	0.034	25.770	* uncalibrated *
11.059	3742	VV	0.050	37.422	* uncalibrated *
11.262	2328	VV	0.054	23.281	* uncalibrated *
11.348	3018	VV	0.044	30.176	* uncalibrated *
11.476	4939	VV	0.082	49.387	* uncalibrated *
11.758	4451	VV	0.033	44.512	* uncalibrated *
11.836	2705	VV	0.049	27.050	* uncalibrated *
11.899	2474	VV	0.045	24.737	* uncalibrated *
12.089	1992	PV	0.042	19.923	* uncalibrated *
12.283	645	PV	0.050	6.450	* uncalibrated *

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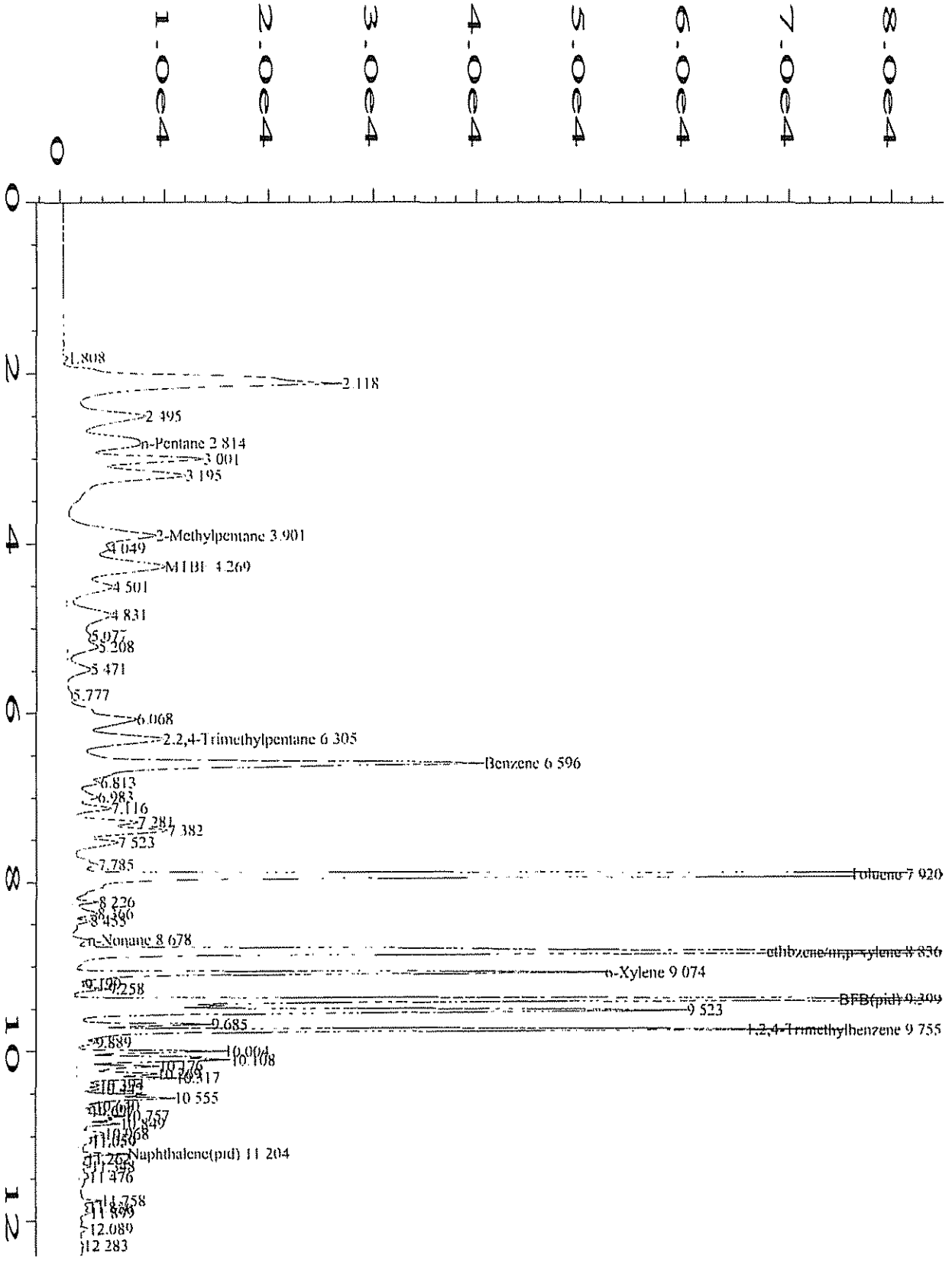

ata File Name	: C:\HPCHEM\1\DATA\vp072505\014R0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 14
ample Name	: g161-2077-1a ms	Injection Number	: 1
in Time Bar Code:		Sequence Line	: 1
cquired on	: 25 Jul 05 03:57 PM	Instrument Method:	GAS1.MTH
eport Created on:	26 Jul 05 07:56 AM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

External Standard Report

ta File Name : C:\HPCHEM\1\DATA\vp072505\015F0101.D
erator : DCS
strument : FID/PID
mple Name : g161-2077-1a msd
n Time Bar Code:
quired on : 25 Jul 05 04:22 PM
port Created on: 26 Jul 05 07:56 AM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

g. 1 in C:\HPCHEM\1\DATA\vp072505\015F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.759	50611	BV	0.086	1	50.482	n-Pentane
3.893	94603	VV	0.109	1	16.803	2-Methylpentane
4.199	65369	VV	0.162	1	153.234	MTBE
6.296	59927	VV	0.114	1	11.510	2,2,4-Trimethylpentane
6.587	68474	VV	0.088	1	8.678	Benzene
7.917	216296	VV	0.040	1	22.960	Toluene
8.676	8721	VV	0.050	1	2.188	n-Nonane
8.835	207524	VV	0.040	1	20.286	EBenz, m-,p-Xylene
9.074	72911	VV	0.037	1	7.239	o-Xylene
9.397	91289	PV	0.030	1	351.644	BFB
9.755	91704	VV	0.033	1	9.760	1,2,4-Trimethylbenzene
11.204	6749	VV	0.038	1	1.592	Naphthalene
2.991	18506	PV	0.071		185.058	* uncalibrated *
3.191	22195	PV	0.086		221.951	* uncalibrated *
3.724	3175	PV	0.043		31.748	* uncalibrated *
4.519	35313	VV	0.107		353.133	* uncalibrated *
4.836	24816	PV	0.171		248.162	* uncalibrated *
5.083	14315	VV	0.117		143.149	* uncalibrated *
5.206	12553	VV	0.107		125.527	* uncalibrated *
5.463	25661	VV	0.106		256.611	* uncalibrated *
5.778	1947	PV	0.091		19.466	* uncalibrated *
5.947	21362	VV	0.085		213.622	* uncalibrated *
6.072	51799	VV	0.127		517.991	* uncalibrated *
6.726	10070	VV	0.073		100.698	* uncalibrated *
6.815	8286	VV	0.065		82.857	* uncalibrated *
6.971	19787	VV	0.107		197.865	* uncalibrated *
7.111	13408	VV	0.072		134.077	* uncalibrated *
7.274	25858	VV	0.073		258.577	* uncalibrated *
7.381	41844	VV	0.077		418.439	* uncalibrated *
7.516	25828	VV	0.090		258.279	* uncalibrated *
7.787	16363	VV	0.064		163.631	* uncalibrated *
8.049	9248	VV	0.115		92.484	* uncalibrated *
8.224	5776	VV	0.037		57.759	* uncalibrated *
8.372	14164	VV	0.063		141.636	* uncalibrated *
8.453	6472	VV	0.046		64.716	* uncalibrated *
9.198	2625	VV	0.036		26.251	* uncalibrated *
9.258	5535	VV	0.038		55.353	* uncalibrated *
9.522	110166	VV	0.047		1101.662	* uncalibrated *
9.685	19982	VV	0.038		199.825	* uncalibrated *
9.890	3617	VV	0.052		36.168	* uncalibrated *
10.004	19932	VV	0.033		199.318	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp072505\015F0101.D
perator : DCS
nstrument : FID/PID
ample Name : g161-2077-1a msd
in Time Bar Code:
cquired on : 25 Jul 05 04:22 PM
eport Created on: 26 Jul 05 07:56 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.108	35111	VV	0.052	351.107	* uncalibrated *
10.177	13003	VV	0.044	130.031	* uncalibrated *
10.268	13911	VV	0.041	139.105	* uncalibrated *
10.317	16779	VV	0.039	167.793	* uncalibrated *
10.393	4007	VV	0.040	40.073	* uncalibrated *
10.442	3018	VV	0.035	30.182	* uncalibrated *
10.554	25458	VV	0.071	254.585	* uncalibrated *
10.640	2995	VV	0.042	29.952	* uncalibrated *
10.695	2626	VV	0.046	26.264	* uncalibrated *
10.757	12407	VV	0.058	124.065	* uncalibrated *
10.850	7718	VV	0.037	77.185	* uncalibrated *
10.967	7655	VV	0.064	76.553	* uncalibrated *
11.050	4681	VV	0.071	46.807	* uncalibrated *
11.348	2435	VV	0.039	24.353	* uncalibrated *
11.444	2361	VV	0.056	23.608	* uncalibrated *
11.477	1220	VV	0.032	12.198	* uncalibrated *
11.758	2880	VV	0.033	28.797	* uncalibrated *
11.900	1507	VV	0.039	15.067	* uncalibrated *
12.091	1116	PV	0.045	11.163	* uncalibrated *

alibration table contains at least one peak with amt = 0

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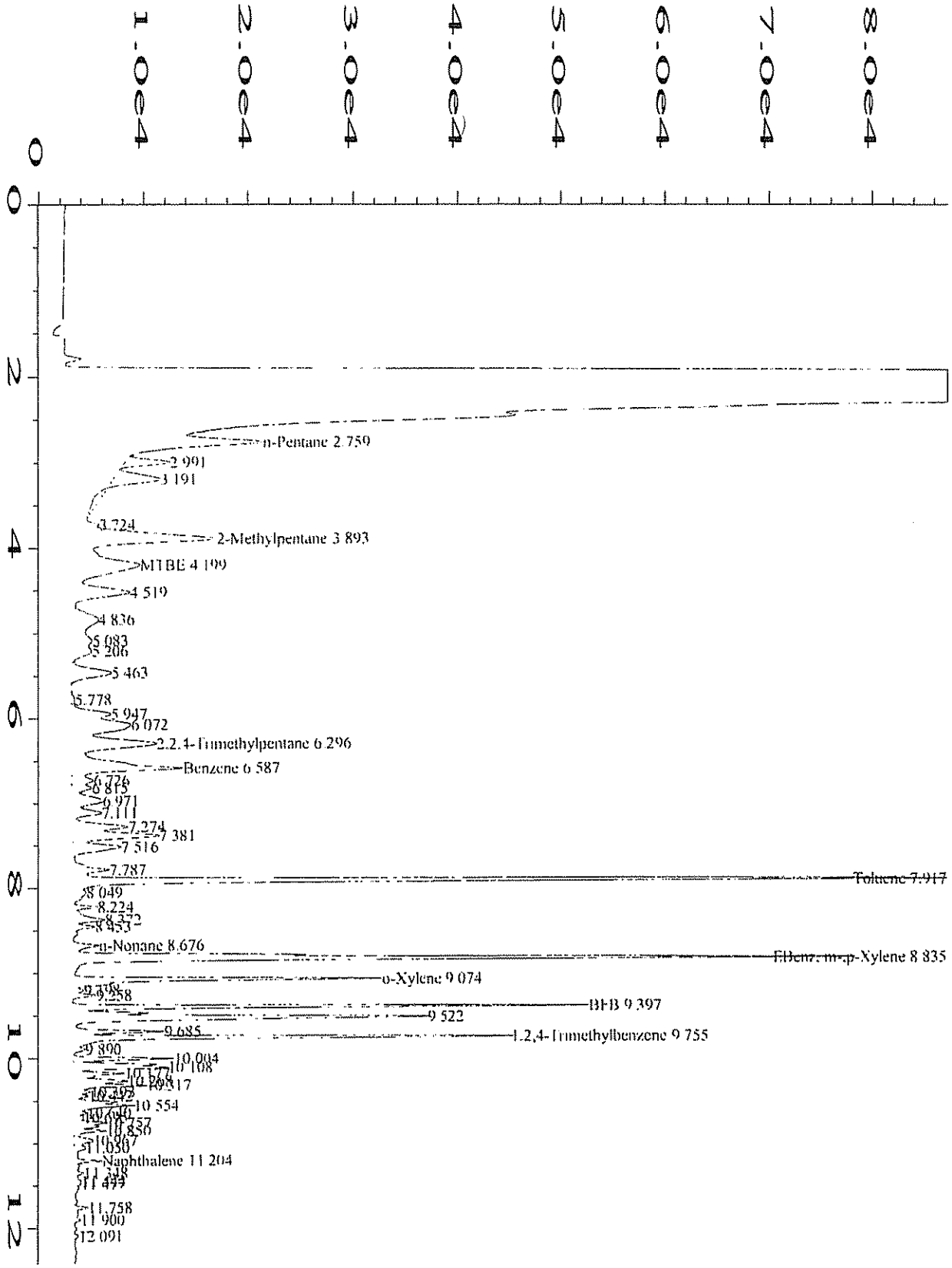

ta File Name	: C:\HPCHEM\1\DATA\vp072505\015F0101.D		
erator	: DCS	Page Number	: 1
strument	: FID/PID	Vial Number	: 15
mple Name	: g161-2077-1a msd	Injection Number	: 1
n Time Bar Code:		Sequence Line	: 1
quired on	: 25 Jul 05 04:22 PM	Instrument Method:	GAS1.MTH
port Created on:	26 Jul 05 07:56 AM	Analysis Method	: VPH_FID.MTH
st Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ltiplier	: 1	ISTD Amount	:

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp072505\015R0101.D
perator : DCS
nstrument : FID/PID
ample Name : g161-2077-1a msd
in Time Bar Code:
cquired on : 25 Jul 05 04:22 PM
eport Created on: 26 Jul 05 07:56 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

ig. 2 in C:\HPCHEM\1\DATA\vp072505\015R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.811	82747	VV	0.143	1	13.195	n-Pentane
3.903	87150	VV	0.133	1	9.229	2-Methylpentane
4.270	107752	VV	0.149	1	3.575	MTBE
6.307	78958	VV	0.129	1	5.189	2,2,4-Trimethylpentane
6.597	221661	VV	0.081	1	2.786	Benzene
7.920	563677	VV	0.045	1	13.814	Toluene
8.679	5562	PV	0.063	1	0.819	n-Nonane
8.837	447226	VV	0.042	1	13.222	ethbzene/m,p-xylene
9.075	126203	VV	0.037	1	3.258	o-Xylene
9.400	459363	PV	0.049	1	30.917	BFB(pid)
9.755	167732	VV	0.034	1	5.463	1,2,4-Trimethylbenzene
11.204	11076	VV	0.032	1	0.633	Naphthalene(pid)
1.808	1601	BV	0.052		16.006	* uncalibrated *
2.117	252159	VV	0.116		2521.590	* uncalibrated *
2.495	84996	VV	0.143		849.956	* uncalibrated *
3.001	83636	VV	0.091		836.356	* uncalibrated *
3.195	133251	VV	0.149		1332.512	* uncalibrated *
4.053	25356	VV	0.088		253.559	* uncalibrated *
4.505	42408	VV	0.146		424.077	* uncalibrated *
4.836	49846	VV	0.176		498.464	* uncalibrated *
5.080	15322	VV	0.100		153.217	* uncalibrated *
5.212	24759	VV	0.121		247.590	* uncalibrated *
5.474	16589	VV	0.118		165.892	* uncalibrated *
5.779	2294	PV	0.089		22.938	* uncalibrated *
6.070	66428	VV	0.138		664.281	* uncalibrated *
6.814	12923	VV	0.066		129.234	* uncalibrated *
6.984	18446	VV	0.098		184.457	* uncalibrated *
7.117	19186	VV	0.074		191.860	* uncalibrated *
7.281	31325	VV	0.071		313.247	* uncalibrated *
7.383	54131	VV	0.084		541.313	* uncalibrated *
7.523	27878	VV	0.093		278.781	* uncalibrated *
7.786	15870	VV	0.083		158.695	* uncalibrated *
8.226	6511	VV	0.046		65.115	* uncalibrated *
8.367	13413	VV	0.083		134.133	* uncalibrated *
8.455	5824	VV	0.049		58.235	* uncalibrated *
9.199	2139	VV	0.038		21.391	* uncalibrated *
9.259	8227	VV	0.042		82.272	* uncalibrated *
9.524	188035	VV	0.052		1880.348	* uncalibrated *
9.686	30656	VV	0.038		306.562	* uncalibrated *
9.889	5952	VV	0.055		59.523	* uncalibrated *
10.005	30790	VV	0.033		307.902	* uncalibrated *

ıta File Name : C:\HPCHEM\1\DATA\vp072505\015R0101.D
ɔerator : DCS
ıstrument : FID/PID
ımple Name : g161-2077-1a msd
ın Time Bar Code:
ɔquired on : 25 Jul 05 04:22 PM
ɔport Created on: 26 Jul 05 07:56 AM
ıst Recalib on : 24 AUG 04 09:09 AM
ıltiplier : 1

Page Number : 2
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.108	58203	VV	0.052	582.034	* uncalibrated *
10.177	21020	VV	0.038	210.205	* uncalibrated *
10.269	21205	VV	0.041	212.046	* uncalibrated *
10.318	22976	VV	0.038	229.758	* uncalibrated *
10.394	5114	VV	0.041	51.141	* uncalibrated *
10.442	4319	VV	0.035	43.186	* uncalibrated *
10.555	41864	VV	0.074	418.643	* uncalibrated *
10.641	3925	VV	0.038	39.246	* uncalibrated *
10.698	3506	VV	0.048	35.059	* uncalibrated *
10.758	18421	VV	0.057	184.212	* uncalibrated *
10.850	10326	VV	0.036	103.256	* uncalibrated *
10.969	10934	VV	0.064	109.336	* uncalibrated *
11.035	2527	VV	0.033	25.266	* uncalibrated *
11.060	3697	VV	0.049	36.973	* uncalibrated *
11.262	2263	VV	0.054	22.626	* uncalibrated *
11.348	3025	VV	0.042	30.249	* uncalibrated *
11.477	4748	VV	0.076	47.480	* uncalibrated *
11.758	5466	VV	0.032	54.664	* uncalibrated *
11.836	2346	VV	0.048	23.463	* uncalibrated *
11.900	2931	VV	0.039	29.309	* uncalibrated *
12.089	1903	PV	0.042	19.034	* uncalibrated *
12.286	827	VV	0.057	8.266	* uncalibrated *

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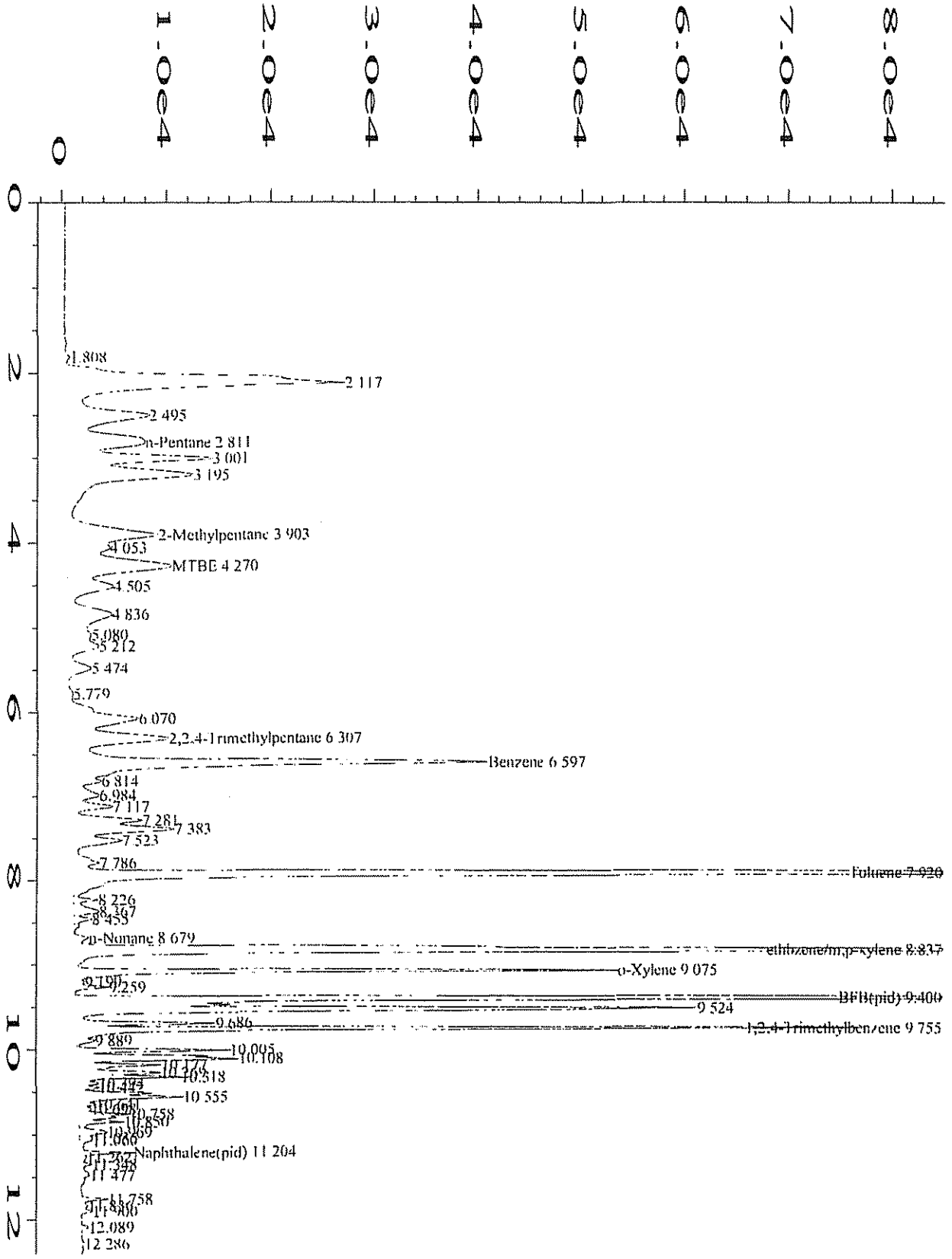


ta File Name	: C:\HPCHEM\1\DATA\vp072505\015R0101.D		
erator	: DCS	Page Number	: 1
strument	: FID/PID	Vial Number	: 15
mple Name	: g161-2077-1a msd	Injection Number	: 1
n Time Bar Code:		Sequence Line	: 1
quired on	: 25 Jul 05 04:22 PM	Instrument Method:	GAS1.MTH
port Created on:	26 Jul 05 07:56 AM	Analysis Method	: vph_pid.MTH
st Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ltiplier	: 1	ISTD Amount	:

VPH Prep, Standard, Run Logs

Paradigm Analytical

GC4 VPH Runlog Sheet

Method: VPH/5030 GRO

Initial Cal. Curve: VPH-07/14/05 GRO-06/01/05

Matrix: Water/Soil

Batch: vp072505

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
001F0101.D	b	7/25/05 8:21				DCS		
002F0101.D	V 500	7/25/05 8:47				DCS		
003F0101.D	b	7/25/05 9:12				DCS		
004F0101.D	G500	7/25/05 9:37				DCS		
005F0101.D	lcs4072505a	7/25/05 10:03				DCS		
006F0101.D	vblk4072505a	7/25/05 10:28				DCS		
007F0101.D	g161-2077-1a	7/25/05 10:53				DCS		
008F0101.D	g161-2077-1a ms	7/25/05 11:19				DCS		
009F0101.D	g161-2077-1a msd	7/25/05 11:44				DCS		
011F0101.D	G500	7/25/05 14:37				DCS		
012F0101.D	lcs4072505b	7/25/05 15:03				DCS		
013F0101.D	g161-2077-1a	7/25/05 15:32				DCS		
014F0101.D	g161-2077-1a ms	7/25/05 15:57				DCS		
015F0101.D	g161-2077-1a msd	7/25/05 16:22				DCS		
016F0101.D	g211-1835-3a x1	7/25/05 16:47				DCS		
017F0101.D	g211-1835-4a x1	7/25/05 17:12				DCS		
018F0101.D	g211-1835-5a x1	7/25/05 17:38				DCS		
019F0101.D	g510-237-7b x1	7/25/05 18:03				DCS		
020F0101.D	g510-238-1a x1	7/25/05 18:28				DCS		
021F0101.D	g161-2078-6a	7/25/05 18:54				DCS		

Analyst: _____

Page Number: _____

Paradigm Analytical

GC4 VPH Runlog Sheet

Method: VPH/5030 GRO

Initial Cal. Curve: VPH-07/14/05 GRO-06/01/05

Matrix: Water/Soil

Batch: vp072505

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
022F0101.D	g161-2078-7a	7/25/05 19:19				DCS		
023F0101.D	g161-2078-8a	7/25/05 19:44				DCS		
024F0101.D	G161-2078-5A x100	7/25/05 20:09	cid= 143452			DCS		
025F0101.D	g161-2081-10b x1	7/25/05 20:34				DCS		
026F0101.D	g161-2081-1e x1	7/25/05 21:00				DCS		
027F0101.D	g161-2081-2e x1	7/25/05 21:25				DCS		
028F0101.D	g161-2081-3e x1	7/25/05 21:50				DCS		
029F0101.D	g161-2081-9e x1	7/25/05 22:15				DCS		
030F0101.D	g161-2083-1d x1	7/25/05 22:41				DCS		
031F0101.D	g161-2085-1d x1	7/25/05 23:06				DCS		
032F0101.D	g161-2079-1d x1	7/25/05 23:31				DCS		
033F0101.D	g161-2079-2d x1	7/25/05 23:56				DCS		
034F0101.D	b	7/26/05 0:21				DCS		
035F0101.D	G500	7/26/05 0:47				DCS		
036F0101.D	lcs4072505c	7/26/05 1:12				DCS		
037F0101.D	vblk4072505b	7/26/05 1:37				DCS		
038F0101.D	g510-236-1e x1	7/26/05 2:02				DCS		
039F0101.D	g510-236-1e ms	7/26/05 2:27				DCS		
040F0101.D	g510-236-1e msd	7/26/05 2:53				DCS		
041F0101.D	g510-236-2e x1	7/26/05 3:18				DCS		

Analyst: _____

Page Number: _____

Paradigm Analytical

GC4 VPH Runlog Sheet

Method: VPH/5030 GRO

Initial Cal. Curve: VPH-07/14/05 GRO-06/01/05

Matrix: Water/Soil

Batch: vp072505

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
042F0101.D	g510-236-3e x1	7/26/05 3:43				DCS		
043F0101.D	g510-236-4e x1	7/26/05 4:08				DCS		
044F0101.D	g510-236-5e x1	7/26/05 4:33				DCS		
045F0101.D	g161-2079-3d x1	7/26/05 4:58				DCS		
046F0101.D	g161-2079-4d x1	7/26/05 5:23				DCS		
047F0101.D	g460-31-8b x1	7/26/05 5:49				DCS		
048F0101.D	g460-31-1d x1	7/26/05 6:14				DCS		
049F0101.D	g460-31-2d x1	7/26/05 6:39				DCS		
050F0101.D	g460-31-3d x1	7/26/05 7:04				DCS		
051F0101.D	g460-31-3e dup	7/26/05 7:29				DCS		

Analyst: _____

Page Number: _____

Volatiles Standard Logbook # 6 **Working Standard**

Paradigm Analytical

ID: VPH-QC-7-071405

referring page	Item	Lot Number	Components	Vendor	Initial conc. (ppm)	uL/3mL	final conc (ppm)
	1	A029644	MA VPH	Restek	500-1500	1200	400
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	10						

Calculations:

Prep: 7/14/05
Expires: 2/14/06

Comments:

Notes:

Lot # format is "xxx-yyy-mmddyyz" where xxx is the logbook number, yyy is the page number. mmddyy is the date, and z is an additional identifier.

Page:

EPH Sample Raw Data

External Standard Report

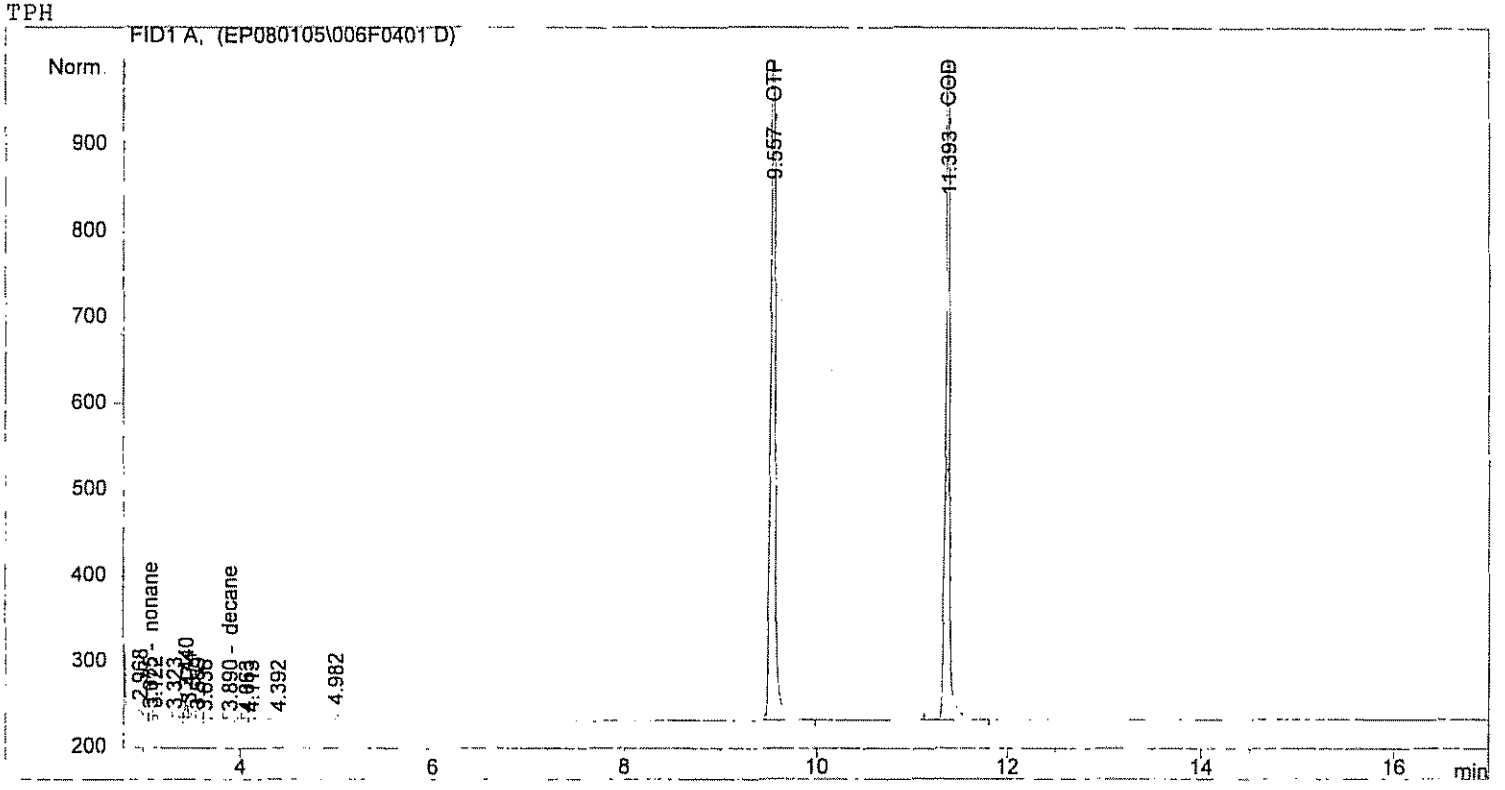
Data File Name	: C:\HPCHEM\1\DATA\EP080105\006F0401.D		
Operator	: DCS	Page Number	:
Instrument	: GC6	Vial Number	: Vial 6
Sample Name	: G161-2085-1N x1 T	Injection Number	: 1
Run Time Bar Code	: 146955	Sequence Line	: 4
Acquired on	: 1 Aug 05 5:45:21 PM	Instrument Method	: PROEPH.M
Report Created on	: 2 Aug 2005 8:48:38 AM	Analysis Method	: EPHTK_F.M
Last Recalib on	: 27 Jul 2005 10:59:25 AM	Sample Amount	: 10 µl
Multiplier	: 1.0000	ISTD Amount	:

P'l 8/2

Sig. 1 in C:\HPCHEM\1\DATA\EP080105\006F0401.D

Ret Time	Area	Type	Width	Ref#	ng	Name
3.075	1.44307	VP	0.01	1	1.786e-6	nonane
3.890	4.54868	VP	0.04	2	5.629e-6	decane
5.541	0.00000	XX	0.00	3	0.00000	dodecane
6.610	0.00000	XX	0.00	4	0.00000	2-FB(frac2)
6.898	0.00000	XX	0.00	5	0.00000	tetradecane
7.485	0.00000	XX	0.00	6	0.00000	2-BrN(frac)
8.095	0.00000	XX	0.00	7	0.00000	hexadecane
9.172	0.00000	XX	0.00	8	0.00000	octadecane
9.557	3013.63257	VB	0.03	9	0.00373	OTP
9.581	0.00000	XX	0.00	10	0.00000	nonadecane
10.154	0.00000	XX	0.00	11	0.00000	eicosane
11.057	0.00000	XX	0.00	12	0.00000	docosane
11.393	2643.15649	BB	0.03	13	0.00327	COD
11.888	0.00000	XX	0.00	14	0.00000	tetracosane
12.658	0.00000	XX	0.00	15	0.00000	hexacosane
13.284	0.00000	XX	0.00	16	0.00000	octacosane
14.039	0.00000	XX	0.00	17	0.00000	triacontane
16.100	0.00000	XX	0.00	18	0.00000	hexatriacontane
0.562	231.21559	PV	0.02	1	0.00029	* uncalibrated *
0.592	1906.30127	VVS	8.37e	2	0.00236	* uncalibrated *
1.839	7.97882e7	VVS	0.99	3	98.74156	* uncalibrated *
1.865	8.41451e5	VPS	0.01	4	1.04133	* uncalibrated *
1.900	3.09204e4	VVS	0.04	5	0.03827	* uncalibrated *
1.978	1.19365e4	VVS	0.03	6	0.01477	* uncalibrated *
2.026	9758.08008	VVS	0.02	7	0.01208	* uncalibrated *
2.077	1.25046e4	VVS	0.04	8	0.01548	* uncalibrated *
2.132	1.34238e4	VVS	0.05	9	0.01661	* uncalibrated *
2.193	1.11702e4	VVS	0.04	10	0.01382	* uncalibrated *
2.234	9192.86133	VVS	0.03	11	0.01138	* uncalibrated *
2.284	6092.95508	VVS	0.02	12	0.00754	* uncalibrated *
2.321	6650.08057	VVS	0.03	13	0.00823	* uncalibrated *
2.367	7993.14307	VVS	0.03	14	0.00989	* uncalibrated *
2.410	8005.00635	VVS	0.04	15	0.00991	* uncalibrated *
2.466	7717.02295	VVS	0.03	16	0.00955	* uncalibrated *
2.503	5969.60498	VVS	0.02	17	0.00739	* uncalibrated *
2.548	6790.84619	VVS	0.03	18	0.00840	* uncalibrated *
2.595	5980.16797	VVS	0.03	19	0.00740	* uncalibrated *
2.636	6012.54248	VVS	0.03	20	0.00744	* uncalibrated *
2.678	3613.71143	VVS	0.03	21	0.00447	* uncalibrated *
2.739	3789.01001	VBAS	0.04	22	0.00469	* uncalibrated *
2.968	12.13014	VP	0.01	23	1.501e-5	* uncalibrated *
3.122	2.30017	VV	0.01	24	2.847e-6	* uncalibrated *
3.323	4.25167	VP	0.02	25	5.262e-6	* uncalibrated *

```
==================================================================
Injection Date  : 8/1/2005 5:45:21 PM          Seq. Line :   4
Sample Name     : 146955 x1 T                   Location : Vial 6
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\080105.S
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 7/27/2005 10:59:33 AM by DCS
TPH
```




```
==================================================================
                      Area Percent Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/27/2005 10:59:25 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.075	VP	0.0159	1.44307	1.786e-6	nonane
2	3.890	VP	0.0423	4.54868	5.629e-6	decane
3	5.541		0.0000	0.00000	0.00000	dodecane
4	6.610		0.0000	0.00000	0.00000	2-FB(frac2)
5	6.898		0.0000	0.00000	0.00000	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	8.095		0.0000	0.00000	0.00000	hexadecane
8	9.172		0.0000	0.00000	0.00000	octadecane
9	9.557	VB	0.0338	3013.63257	0.00373	OTP
10	9.581		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	11.057		0.0000	0.00000	0.00000	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.393	BB	0.0346	2643.15649	0.00327	COD
14	11.888		0.0000	0.00000	0.00000	tetracosane
15	12.658		0.0000	0.00000	0.00000	hexacosane
16	13.284		0.0000	0.00000	0.00000	octacosane
17	14.039		0.0000	0.00000	0.00000	triacontane
18	16.100		0.0000	0.00000	0.00000	hexatriacontane

Totals : 5662.78081 7.008e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.562	PV	0.0216	231.21559	0.00029	?
2	0.592	VV S	8.37e-3	1906.30127	0.00236	?
3	1.839	VV S	0.9912	7.97882e7	98.74156	?
4	1.865	VP S	0.0185	8.41451e5	1.04133	?
5	1.900	VV S	0.0489	3.09204e4	0.03827	?
6	1.978	VV S	0.0324	1.19365e4	0.01477	?
7	2.026	VV S	0.0269	9758.08008	0.01208	?
8	2.077	VV S	0.0470	1.25046e4	0.01548	?
9	2.132	VV S	0.0510	1.34238e4	0.01661	?
10	2.193	VV S	0.0400	1.11702e4	0.01382	?
11	2.234	VV S	0.0370	9192.86133	0.01138	?
12	2.284	VV S	0.0255	6092.95508	0.00754	?
13	2.321	VV S	0.0303	6650.08057	0.00823	?
14	2.367	VV S	0.0371	7993.14307	0.00989	?
15	2.410	VV S	0.0401	8005.00635	0.00991	?
16	2.466	VV S	0.0349	7717.02295	0.00955	?
17	2.503	VV S	0.0298	5969.60498	0.00739	?
18	2.548	VV S	0.0320	6790.84619	0.00840	?
19	2.595	VV S	0.0301	5980.16797	0.00740	?
20	2.636	VV S	0.0390	6012.54248	0.00744	?
21	2.678	VV S	0.0365	3613.71143	0.00447	?
22	2.739	VBAS	0.0475	3789.01001	0.00469	?
23	2.968	VP	0.0184	12.13014	1.501e-5	?
24	3.122	VV	0.0159	2.30017	2.847e-6	?
25	3.323	VP	0.0241	4.25167	5.262e-6	?
26	3.440	VV	0.0189	33.89741	4.195e-5	?
27	3.474	VV	0.0308	20.77541	2.571e-5	?
28	3.559	VV	0.0398	9.58696	1.186e-5	?
29	3.636	VV	0.0391	2.99282	3.704e-6	?
30	4.063	VV	0.0291	2.15677	2.669e-6	?
31	4.113	VB	0.0450	3.71671	4.600e-6	?
32	4.392	VB	0.0308	2.45592	3.039e-6	?
33	4.982	BV	0.0308	21.50923	2.662e-5	?

Uncalib. totals : 8.07994e7 99.9930

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

EPH Calibration Raw Data

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 07/05/05

Calibration Ranges and Limits

Range	MDL (2/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_9-C_{18} Aliphatics	3.84	12.2	100	10
C_{19}-C_{36} Aliphatics	0.57	1.8	100	10
C_{11}-C_{22} Aromatics	4.54	14.4	100	10

Calibration Concentration Levels

Range	Levels (µg/mL)	%RSD or CCC	Method of Quantitation
C_9-C_{18} Aliphatics	6	16.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	9.4	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	16.4	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 07/05/05

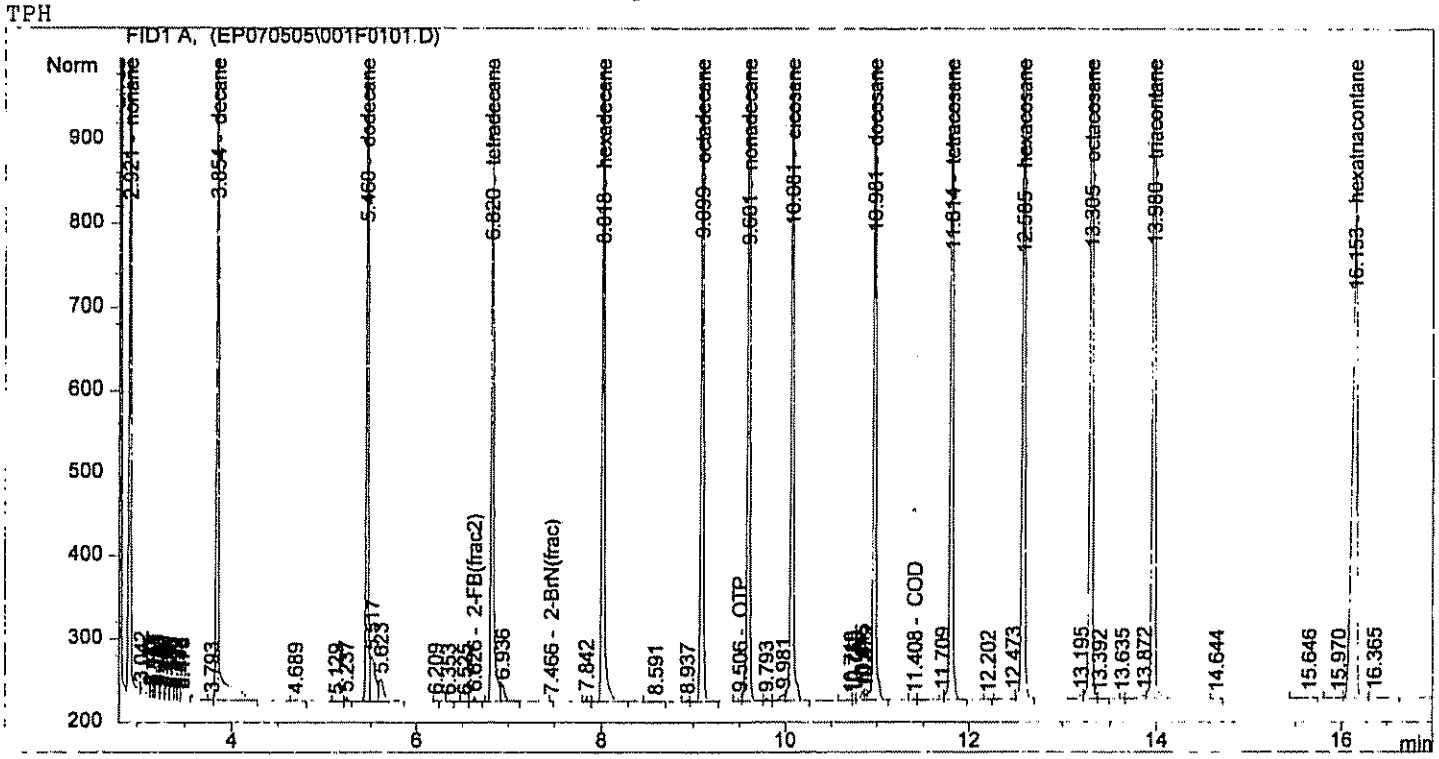
Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	60	7.5
C_{19}-C_{36} Aliphatics	80	5.0
C_{11}-C_{22} Aromatics	340	-6.8

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

```
==========================================================================
Injection Date  : 7/5/2005 5:16:20 PM          Seq. Line :   1
Sample Name     : K 40 ical                     Location : Vial 1
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 7/6/2005 8:18:01 AM by DCS
                  (modified after loading)
```

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/6/2005 8:17:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,

Peak RetTime  Type   Width     Area      Area    Name
  #   [min]          [min]    [pA*s]      %
----|-------|------|-------|----------|--------|--------------------
   1   2.921 VV     0.0197 1464.65564  0.00317 nonane
   2   3.854 VB     0.0222 1790.48792  0.00388 decane
   3   5.460 BV     0.0199 1430.95947  0.00310 dodecane
   4   6.626 VP     0.0206    7.48499 1.621e-5 2-FB(frac2)
   5   6.820 PV     0.0236 1657.45227  0.00359 tetradecane
   6   7.466 VV     0.0199    2.18315 4.729e-6 2-BrN(frac)
   7   8.018 VB     0.0238 1709.42993  0.00370 hexadecane
   8   9.099 VB     0.0229 1746.29138  0.00378 octadecane
   9   9.506 VV     0.0437   12.64255 2.739e-5 OTP
  10   9.601 VV     0.0239 1754.91345  0.00380 nonadecane
  11  10.081 VB     0.0244 1773.12976  0.00384 eicosane
  12  10.981 VB     0.0259 1833.64990  0.00397 docosane
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.408	VV	0.0237	2.83018	6.131e-6	COD
14	11.814	VB	0.0248	1945.84497	0.00422	tetracosane
15	12.585	VB	0.0272	2059.55396	0.00446	hexacosane
16	13.305	VV	0.0265	2119.26245	0.00459	octacosane
17	13.980	VB	0.0281	2144.35718	0.00465	triacontane
18	16.153	VV	0.0479	2181.43066	0.00473	hexatriacontane

Totals : 2.56366e4 5.554e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.503	VV	9.75e-3	3.87532	8.395e-6	?
2	0.544	VP	0.0316	5.63474	1.221e-5	?
3	0.586	VV	0.0117	5.04803	1.094e-5	?
4	1.338	VV S	0.5681	4.23728e7	91.79164	?
5	1.414	VV S	0.0360	2.38145e5	0.51589	?
6	1.457	VV S	0.0292	1.72238e5	0.37312	?
7	1.504	VV S	0.0458	1.76019e5	0.38131	?
8	1.546	VV S	0.0287	1.69392e5	0.36695	?
9	1.601	VV S	0.0366	1.57039e5	0.34019	?
10	1.641	VV S	0.0241	1.22659e5	0.26571	?
11	1.695	VV S	0.0763	2.72603e5	0.59054	?
12	1.755	VV S	0.0195	7.76362e4	0.16818	?
13	1.793	VV S	0.0376	1.34446e5	0.29125	?
14	1.831	VV S	0.0335	1.07141e5	0.23210	?
15	1.872	VV S	0.0644	2.10311e5	0.45559	?
16	1.942	VV S	0.0296	1.10279e5	0.23890	?
17	1.985	VV S	0.0306	1.08470e5	0.23498	?
18	2.015	VV S	0.0404	1.33654e5	0.28953	?
19	2.067	VV S	0.0307	1.20978e5	0.26207	?
20	2.119	VV S	0.0361	1.11782e5	0.24215	?
21	2.157	VV S	0.0242	9.02686e4	0.19555	?
22	2.186	VV S	0.0382	1.11930e5	0.24247	?
23	2.253	VV S	0.0686	1.92893e5	0.41786	?
24	2.320	VV S	0.0480	1.25387e5	0.27162	?
25	2.368	VV S	0.0355	1.10194e5	0.23871	?
26	2.409	VV S	0.0360	1.19187e5	0.25819	?
27	2.517	VV S	0.0835	2.24705e5	0.48678	?
28	2.558	VV S	0.0325	8.51239e4	0.18440	?
29	2.604	VV S	0.0342	9.25618e4	0.20052	?
30	2.629	VV S	0.0267	6.85026e4	0.14840	?
31	2.661	VV S	0.0394	8.39189e4	0.18179	?
32	2.743	VV S	0.0265	2.02835e4	0.04394	?
33	2.783	VBAS	0.0257	1.49929e4	0.03248	?
34	3.042	VV	0.0527	24.43899	5.294e-5	?
35	3.145	VV	0.0199	4.62410	1.002e-5	?
36	3.171	VV	0.0203	4.47648	9.697e-6	?
37	3.206	VV	0.0349	9.59216	2.078e-5	?
38	3.246	VV	0.0331	6.90560	1.496e-5	?
39	3.298	VV	0.0312	6.23980	1.352e-5	?
40	3.356	VV	0.0351	5.85852	1.269e-5	?
41	3.399	VV	0.0249	4.84861	1.050e-5	?
42	3.438	VV	0.0249	5.46262	1.183e-5	?
43	3.475	VV	0.0709	18.64049	4.038e-5	?
44	3.793	VV	0.0224	2.90003	6.282e-6	?
45	4.689	BV	0.0429	7.91076	1.714e-5	?
46	5.129	PV	0.0449	4.37063	9.468e-6	?
47	5.237	VP	0.0226	6.70182	1.452e-5	?
48	5.517	VV	0.0540	222.93123	0.00048	?
49	5.623	VB	0.0528	102.38389	0.00022	?
50	6.209	BB	0.0195	2.34533	5.081e-6	?
51	6.353	BB	0.0243	1.79134	3.881e-6	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
52	6.525	BP	0.0244	2.18359	4.730e-6	?
53	6.936	VB	0.0440	60.72083	0.00013	?
54	7.842	BP	0.0204	8.61642	1.867e-5	?
55	8.591	PP	0.0361	2.88831	6.257e-6	?
56	8.937	VV	0.0227	3.62133	7.845e-6	?
57	9.793	VB	0.0266	6.90356	1.496e-5	?
58	9.981	BV	0.0466	25.66632	5.560e-5	?
59	10.719	VV	0.0389	5.30762	1.150e-5	?
60	10.759	VV	0.0273	4.78670	1.037e-5	?
61	10.845	VV	0.0405	29.55837	6.403e-5	?
62	10.879	VV	0.0199	11.17134	2.420e-5	?
63	11.709	VV	0.0740	34.67511	7.512e-5	?
64	12.202	BB	0.0251	2.59528	5.622e-6	?
65	12.473	BV	0.0615	24.98494	5.412e-5	?
66	13.195	BV	0.0527	19.44730	4.213e-5	?
67	13.392	VP	0.0318	4.46860	9.680e-6	?
68	13.635	BV	0.0236	5.09245	1.103e-5	?
69	13.872	VV	0.0509	16.51588	3.578e-5	?
70	14.644	VV	0.0434	5.10860	1.107e-5	?
71	15.646	BB	0.0652	6.63919	1.438e-5	?
72	15.970	PV	0.0810	10.48173	2.271e-5	?
73	16.365	VB	0.0774	18.27855	3.960e-5	?

Uncalib. totals : 4.61364e7 99.9445

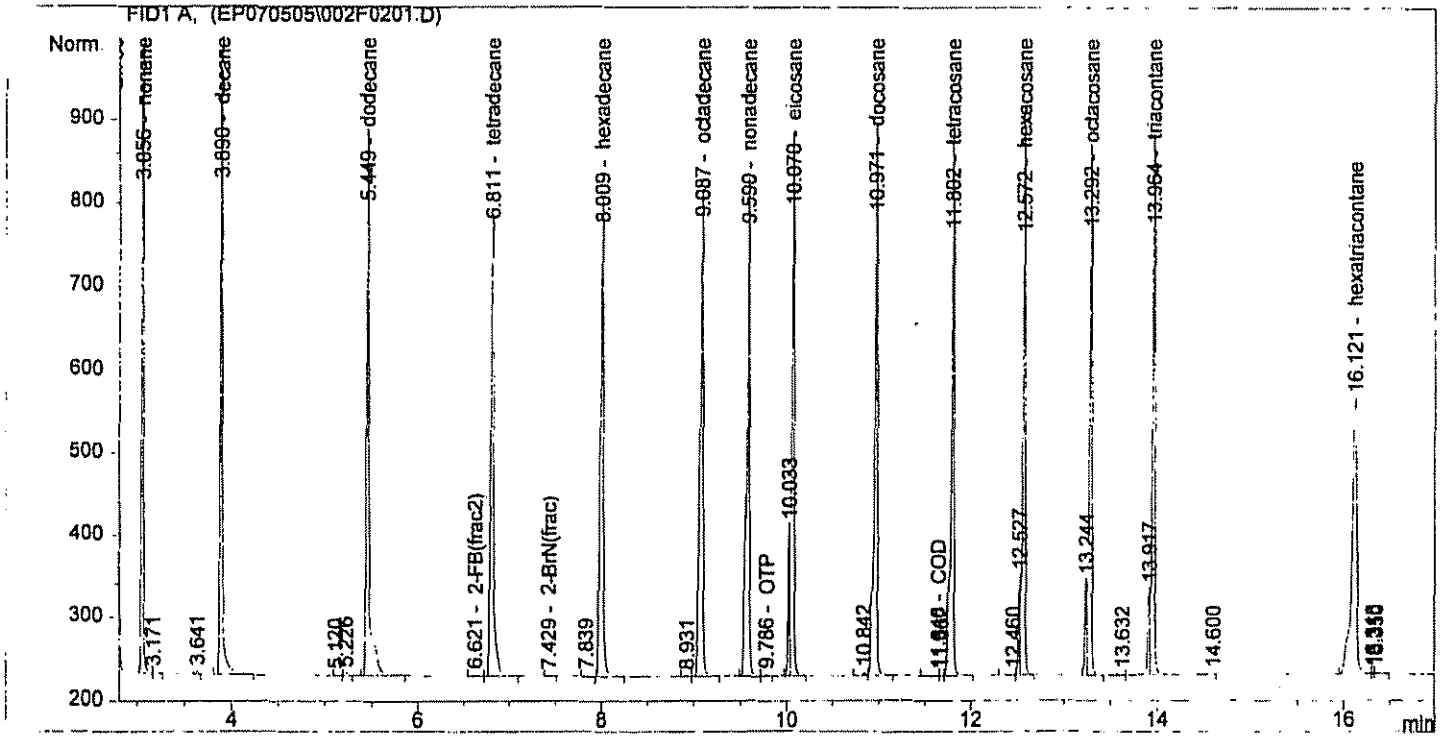
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

```
==========================================================================
Injection Date  : 7/5/2005 5:43:12 PM          Seq. Line :   2
Sample Name     : K 20 ical                     Location : Vial 2
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 7/6/2005 8:18:24 AM by DCS
                  (modified after loading)
```

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/6/2005 8:17:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,

Peak RetTime  Type   Width     Area      Area    Name
  #   [min]          [min]   [pA*s]       %
----|-------|------|-------|----------|--------|--------------------
   1   3.056 VV      0.0170 1266.11841  0.00168 nonane
   2   3.890 PB      0.0194 1279.19031  0.00170 decane
   3   5.449 VP      0.0291 1286.24854  0.00171 dodecane
   4   6.621 VP      0.0412    6.88729 9.156e-6 2-FB(frac2)
   5   6.811 VB      0.0320 1285.44092  0.00171 tetradecane
   6   7.429 PB      0.0302    2.59298 3.447e-6 2-BrN(frac)
   7   8.009 BB      0.0314 1288.99622  0.00171 hexadecane
   8   9.087 VB      0.0319 1301.94788  0.00173 octadecane
   9   9.590 VV      0.0316 1299.69238  0.00173 nonadecane
  10   9.786 VP      0.0426    6.33639 8.423e-6 OTP
  11  10.070 VB      0.0222 1026.11792  0.00136 eicosane
  12  10.971 VP      0.0289 1297.54663  0.00172 docosane
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.646	VV	0.0566	4.78266	6.358e-6	COD
14	11.802	VB	0.0280	1300.71521	0.00173	tetracosane
15	12.572	VB	0.0246	1141.47192	0.00152	hexacosane
16	13.292	VB	0.0264	1119.32971	0.00149	octacosane
17	13.964	VB	0.0262	1129.04834	0.00150	triacontane
18	16.121	BV	0.0543	1246.25208	0.00166	hexatriacontane

Totals : 1.72887e4 2.298e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.519	BV	0.0246	57.74522	7.676e-5	?
2	0.586	VV	0.0237	60.70682	8.070e-5	?
3	1.757	VV S	0.9269	7.50090e7	99.71239	?
4	1.871	PV T	0.0724	3.66966e4	0.04878	?
5	1.900	VV S	0.0222	7539.72803	0.01002	?
6	1.938	VV S	0.0413	1.36300e4	0.01812	?
7	1.987	VV S	0.0322	9887.83594	0.01314	?
8	2.029	VV S	0.0314	8891.41602	0.01182	?
9	2.056	VV S	0.0341	9171.54004	0.01219	?
10	2.101	VV S	0.0435	1.19341e4	0.01586	?
11	2.167	VV S	0.0639	1.51115e4	0.02009	?
12	2.231	VV S	0.0450	1.08432e4	0.01441	?
13	2.276	VV S	0.0244	6460.79590	0.00859	?
14	2.313	VV S	0.0343	7420.84668	0.00986	?
15	2.342	VV S	0.0223	5157.41846	0.00686	?
16	2.368	VV S	0.0193	4072.39526	0.00541	?
17	2.397	VV S	0.0270	5564.77979	0.00740	?
18	2.442	VV S	0.0397	7676.17383	0.01020	?
19	2.477	VV S	0.0298	6480.95703	0.00862	?
20	2.524	VV S	0.0451	7486.56201	0.00995	?
21	2.571	VV S	0.0323	5891.19531	0.00783	?
22	2.606	VV S	0.0380	6896.95996	0.00917	?
23	2.653	VV S	0.0300	4868.49316	0.00647	?
24	2.704	VV S	0.0347	3265.92163	0.00434	?
25	2.759	VBAS	0.0521	3142.03711	0.00418	?
26	3.171	VB	0.0459	6.17071	8.203e-6	?
27	3.641	VB	0.0169	3.83051	5.092e-6	?
28	5.120	PB	0.0367	3.31076	4.401e-6	?
29	5.226	BV	0.0268	6.33691	8.424e-6	?
30	7.839	VP	0.0332	6.13517	8.156e-6	?
31	8.931	BP	0.0343	2.61409	3.475e-6	?
32	10.033	VV	0.0224	274.32721	0.00036	?
33	10.842	VV	0.0436	12.46182	1.657e-5	?
34	11.682	VV	0.0328	3.37227	4.483e-6	?
35	12.460	BV	0.0513	4.44878	5.914e-6	?
36	12.527	VV	0.0215	160.92191	0.00021	?
37	13.244	VV	0.0245	182.79713	0.00024	?
38	13.632	BP	0.0284	2.38395	3.169e-6	?
39	13.917	VV	0.0256	173.30225	0.00023	?
40	14.600	PV	0.0405	3.38775	4.503e-6	?
41	16.318	VV	0.0219	2.13633	2.840e-6	?
42	16.350	VB	0.0609	7.15532	9.512e-6	?

Uncalib. totals : 7.52081e7 99.9770

Results obtained with enhanced integrator!
2 Warnings or Errors :

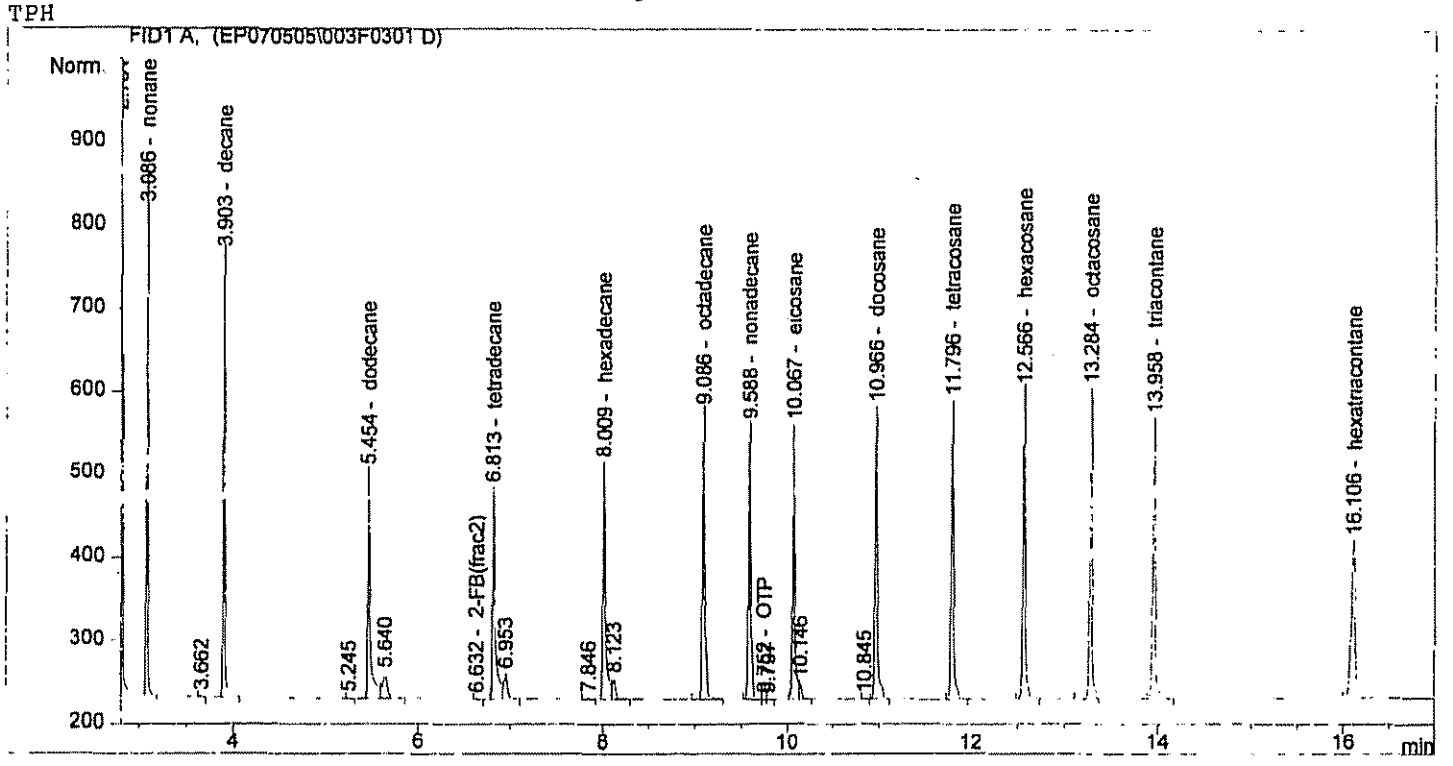
Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

==========

*** End of Report ***

```
==========================================================================
Injection Date  : 7/5/2005 6:10:14 PM          Seq. Line :   3
Sample Name     : K 10 ical                     Location : Vial 3
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 7/6/2005 8:19:03 AM by DCS
                  (modified after loading)
```

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/6/2005 8:17:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,

Peak RetTime  Type   Width     Area      Area    Name
  #   [min]          [min]   [pA*s]       %
----|-------|------|-------|----------|--------|----------------------
   1   3.086 BV     0.0163  646.96594  0.00080 nonane
   2   3.903 PB     0.0191  648.55542  0.00080 decane
   3   5.454 BV     0.0259  515.10767  0.00063 dodecane
   4   6.632 VP     0.0224    2.64904 3.257e-6 2-FB(frac2)
   5   6.813 PV     0.0296  535.56970  0.00066 tetradecane
   6   7.485        0.0000    0.00000  0.00000 2-BrN(frac)
   7   8.009 BV     0.0299  559.39600  0.00069 hexadecane
   8   9.086 VB     0.0260  629.22015  0.00077 octadecane
   9   9.588 VB     0.0279  622.48523  0.00077 nonadecane
  10   9.752 BV     0.0413    3.49163 4.293e-6 OTP
  11  10.067 BV     0.0267  587.18970  0.00072 eicosane
  12  10.966 BB     0.0257  624.03387  0.00077 docosane
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.435		0.0000	0.00000	0.00000	COD
14	11.796	BB	0.0263	627.09064	0.00077	tetracosane
15	12.566	VB	0.0258	634.36932	0.00078	hexacosane
16	13.284	PB	0.0256	630.87390	0.00078	octacosane
17	13.958	VB	0.0298	632.02637	0.00078	triacontane
18	16.106	BV	0.0464	593.95795	0.00073	hexatriacontane

Totals : 8492.98253 1.044e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.540	PV	0.0244	7.71156	9.481e-6	?
2	0.562	VP	0.0113	1.42115	1.747e-6	?
3	0.591	VV	0.0154	23.15101	2.846e-5	?
4	1.820	VV S	0.9937	8.05263e7	99.00074	?
5	1.887	VV S	0.0265	4.48002e4	0.05508	?
6	1.928	VV S	0.0408	6.93738e4	0.08529	?
7	1.973	VV S	0.0381	5.52395e4	0.06791	?
8	2.024	VV S	0.0335	5.17152e4	0.06358	?
9	2.067	VV S	0.0365	5.62647e4	0.06917	?
10	2.118	VV S	0.0376	4.86328e4	0.05979	?
11	2.151	VV S	0.0215	2.98704e4	0.03672	?
12	2.177	VV S	0.0264	3.52801e4	0.04337	?
13	2.228	VV S	0.0458	5.56615e4	0.06843	?
14	2.287	VV S	0.0379	5.22191e4	0.06420	?
15	2.333	VV S	0.0391	4.50187e4	0.05535	?
16	2.381	VV S	0.0585	6.88890e4	0.08469	?
17	2.468	VV S	0.0502	4.48071e4	0.05509	?
18	2.536	VV S	0.0353	4.05112e4	0.04981	?
19	2.597	VV S	0.0481	4.29150e4	0.05276	?
20	2.637	VV S	0.0305	2.27497e4	0.02797	?
21	2.672	VV S	0.0404	1.89249e4	0.02327	?
22	2.735	VV S	0.0465	1.48342e4	0.01824	?
23	2.781	VBAS	0.0237	6243.33594	0.00768	?
24	3.662	VP	0.0195	2.25390	2.771e-6	?
25	5.245	BP	0.0223	2.77696	3.414e-6	?
26	5.640	VB	0.0517	112.54359	0.00014	?
27	6.953	VB	0.0402	87.22015	0.00011	?
28	7.846	VP	0.0237	3.71921	4.572e-6	?
29	8.123	VB	0.0356	65.04246	7.996e-5	?
30	9.797	VP	0.0246	2.36150	2.903e-6	?
31	10.146	VB	0.0269	35.94770	4.419e-5	?
32	10.845	BP	0.0222	2.60568	3.203e-6	?

Uncalib. totals : 8.13306e7 99.9896

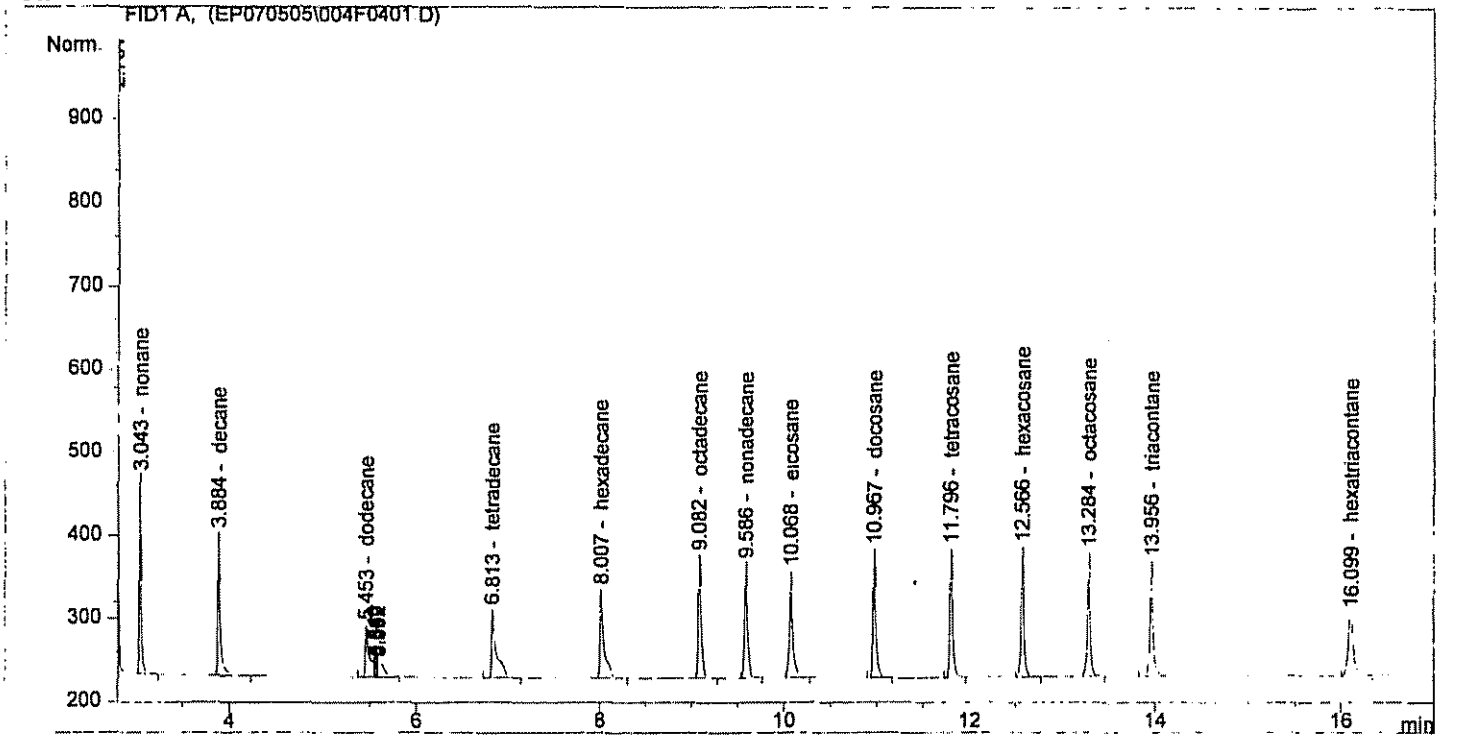
Results obtained with enhanced integrator!
3 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed

*** End of Report ***

```
==========================================================================
Injection Date  : 7/5/2005 6:37:08 PM          Seq. Line :   4
Sample Name     : K 5 ical                      Location : Vial 4
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 7/6/2005 8:19:25 AM by DCS
                  (modified after loading)
```

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/6/2005 8:17:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.043	VB	0.0194	314.75198	0.00042	nonane
2	3.884	BB	0.0257	319.18195	0.00043	decane
3	5.453	VV	0.0395	178.06067	0.00024	dodecane
4	6.600		0.0000	0.00000	0.00000	2-FB(frac2)
5	6.813	BB	0.0531	314.94501	0.00042	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	8.007	BB	0.0422	318.62674	0.00043	hexadecane
8	9.082	BB	0.0325	320.91269	0.00043	octadecane
9	9.500		0.0000	0.00000	0.00000	OTP
10	9.586	PB	0.0330	317.79922	0.00043	nonadecane
11	10.068	BB	0.0354	320.89191	0.00043	eicosane
12	10.967	VB	0.0302	321.13647	0.00043	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.435		0.0000	0.00000	0.00000	COD
14	11.796	VB	0.0301	321.12863	0.00043	tetracosane
15	12.566	VB	0.0312	325.14694	0.00044	hexacosane
16	13.284	PB	0.0321	321.30228	0.00043	octacosane
17	13.956	BB	0.0341	320.14969	0.00043	triacontane
18	16.099	BB	0.0561	291.00854	0.00039	hexatriacontane

Totals : 4305.04272 5.802e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.517	PV	0.0191	55.41060	7.468e-5	?
2	0.565	VV	0.0185	28.83533	3.886e-5	?
3	1.713	VV S	0.9089	7.32658e7	98.74944	?
4	1.764	VV S	0.0163	7.29550e5	0.98330	?
5	1.830	VV S	0.0435	1.87256e4	0.02524	?
6	1.878	VV S	0.0284	1.22771e4	0.01655	?
7	1.924	VV S	0.0404	1.41080e4	0.01902	?
8	1.974	VV S	0.0322	1.20777e4	0.01628	?
9	2.013	VV S	0.0466	1.33146e4	0.01795	?
10	2.087	VV S	0.0613	1.79908e4	0.02425	?
11	2.136	VV S	0.0245	7542.58447	0.01017	?
12	2.183	VV S	0.0671	1.54346e4	0.02080	?
13	2.267	VV S	0.0517	1.32190e4	0.01782	?
14	2.316	VV S	0.0334	9018.83691	0.01216	?
15	2.360	VV S	0.0333	8250.15332	0.01112	?
16	2.408	VV S	0.0349	8098.63721	0.01092	?
17	2.453	VV S	0.0346	7506.19678	0.01012	?
18	2.493	VV S	0.0245	5263.53906	0.00709	?
19	2.536	VV S	0.0618	1.09045e4	0.01470	?
20	2.600	VV S	0.0313	7502.49414	0.01011	?
21	2.645	VV S	0.0314	4715.55957	0.00636	?
22	2.684	VV S	0.0381	3582.78540	0.00483	?
23	2.733	VV S	0.0518	3241.38672	0.00437	?
24	2.781	VBAS	0.0167	992.51752	0.00134	?
25	5.543	VV	0.0178	22.70176	3.060e-5	?
26	5.569	VV	0.0207	27.28106	3.677e-5	?
27	5.592	VV	0.0602	83.46490	0.00011	?

Uncalib. totals : 7.41894e7 99.9942

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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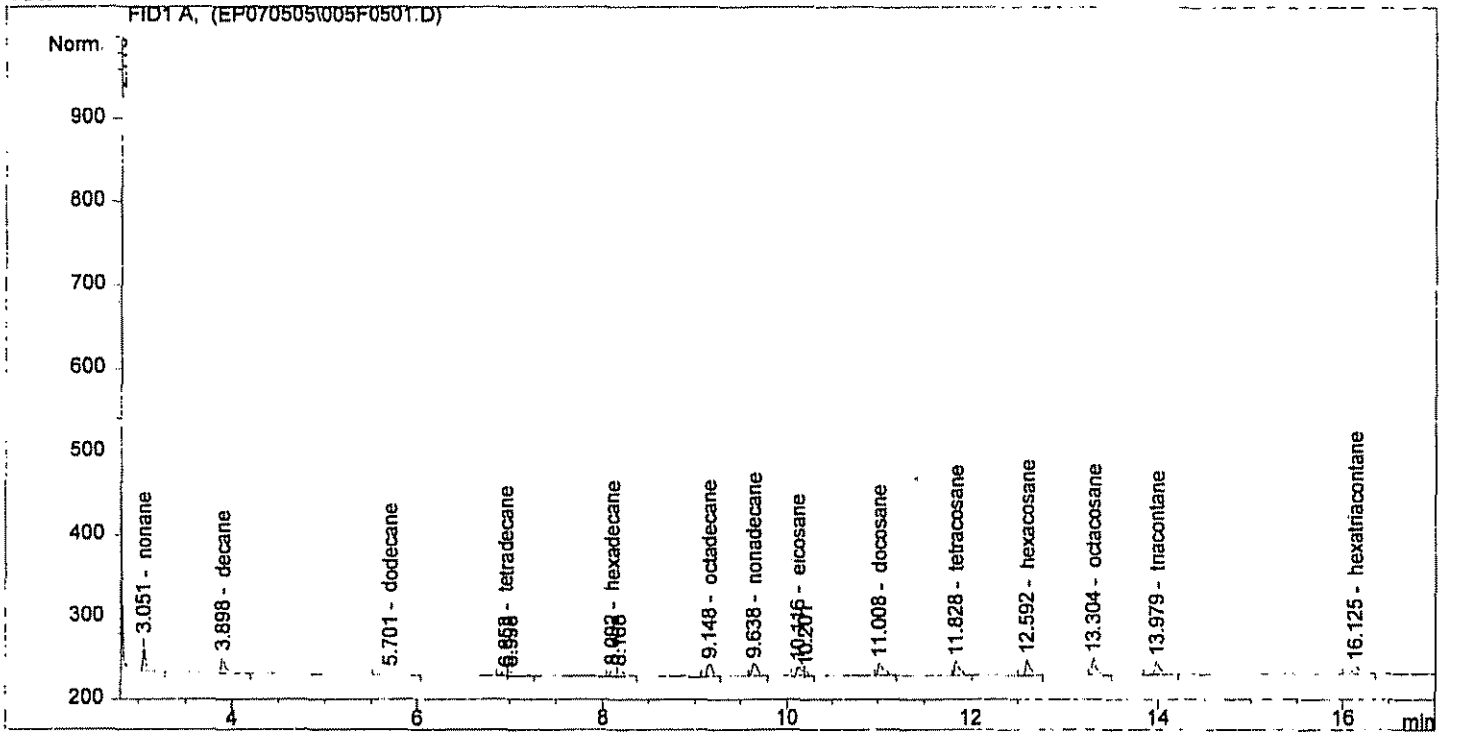
*** End of Report ***

```
==========================================================================
Injection Date  : 7/5/2005 7:03:13 PM          Seq. Line :   5
Sample Name     : K 1 ical                      Location : Vial 5
Acq. Operator   : DCS                               Inj :   1
Acq. Instrument : GC6                         Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 7/6/2005 8:19:54 AM by DCS
                  (modified after loading)
```

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/6/2005 8:17:09 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,

Peak RetTime  Type   Width     Area      Area    Name
  #   [min]          [min]   [pA*s]        %
----|-------|------|-------|----------|--------|----------------------
   1   3.051 BP     0.0241   63.57945 8.542e-5 nonane
   2   3.898 BP     0.0457   69.52576 9.341e-5 decane
   3   5.701 PV     0.1867   58.11040 7.807e-5 dodecane
   4   6.600        0.0000    0.00000  0.00000 2-FB(frac2)
   5   6.953 PV     0.0485   18.31736 2.461e-5 tetradecane
   6   7.485        0.0000    0.00000  0.00000 2-BrN(frac)
   7   8.092 PV     0.0599   30.26579 4.066e-5 hexadecane
   8   9.148 PV     0.0596   62.13025 8.347e-5 octadecane
   9   9.500        0.0000    0.00000  0.00000 OTP
  10   9.638 BV     0.0588   62.69368 8.423e-5 nonadecane
  11  10.116 VV     0.0553   47.14569 6.334e-5 eicosane
  12  11.008 BB     0.0600   64.16410 8.621e-5 docosane
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.435		0.0000	0.00000	0.00000	COD
14	11.828	PB	0.0525	64.03179	8.603e-5	tetracosane
15	12.592	VB	0.0482	65.47491	8.797e-5	hexacosane
16	13.304	BB	0.0443	64.38484	8.650e-5	octacosane
17	13.979	VB	0.0519	63.16903	8.487e-5	triacontane
18	16.125	BB	0.0709	49.00692	6.584e-5	hexatriacontane

Totals : 781.99997 1.051e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.521	PV	0.0155	64.20905	8.627e-5	?
2	0.585	VV	0.0276	69.71010	9.366e-5	?
3	0.712	VV S	0.0486	1.41617e6	1.90265	?
4	1.750	VV S	0.8897	7.21088e7	96.87967	?
5	1.777	VV S	0.0153	7.12026e5	0.95662	?
6	1.843	PV T	0.0740	3.29682e4	0.04429	?
7	1.885	VV S	0.0408	1.41671e4	0.01903	?
8	1.934	VV S	0.1521	3.89642e4	0.05235	?
9	2.115	VV S	0.0395	1.23934e4	0.01665	?
10	2.170	VV S	0.0314	8898.58203	0.01196	?
11	2.199	VV S	0.0246	5647.13525	0.00759	?
12	2.238	VV S	0.0367	9367.01953	0.01258	?
13	2.289	VV S	0.0425	9846.37305	0.01323	?
14	2.350	VV S	0.0463	9718.13770	0.01306	?
15	2.407	VV S	0.0417	1.00959e4	0.01356	?
16	2.447	VV S	0.0309	5712.63965	0.00768	?
17	2.486	VV S	0.0376	6904.68115	0.00928	?
18	2.527	VV S	0.0702	1.12526e4	0.01512	?
19	2.613	VV S	0.0618	1.00827e4	0.01355	?
20	2.685	VV S	0.0287	2776.07471	0.00373	?
21	2.723	VV S	0.0341	2505.02124	0.00337	?
22	2.775	VBAS	0.0323	2004.13550	0.00269	?
23	6.998	VB	0.0995	41.64529	5.595e-5	?
24	8.168	VB	0.0670	31.63436	4.250e-5	?
25	10.201	VB	0.0450	14.71698	1.977e-5	?

Uncalib. totals : 7.44306e7 99.9989

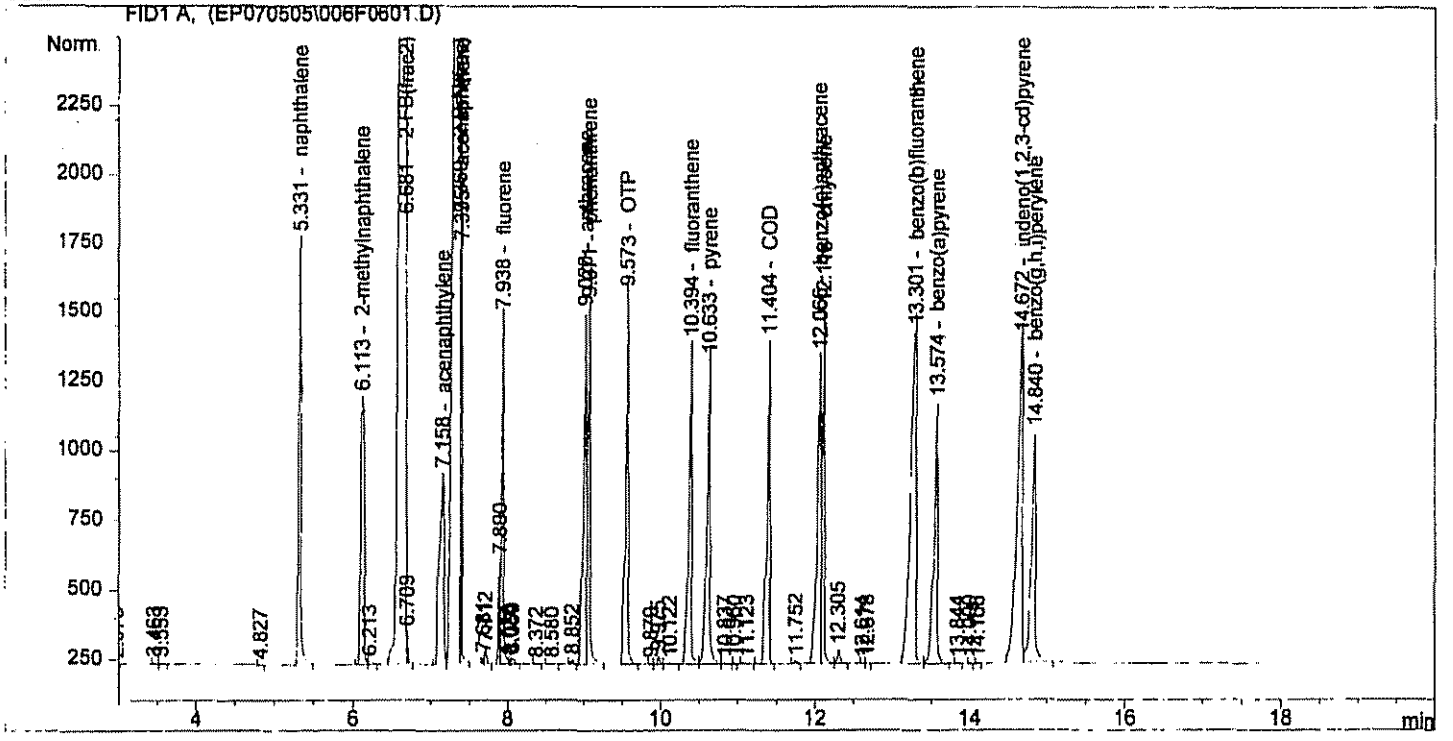
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

Injection Date	: 7/5/2005 7:30:00 PM	Seq. Line :	6
Sample Name	: R 40 ical	Location :	Vial 6
Acq. Operator	: DCS	Inj :	1
Acq. Instrument	: GC6	Inj Volume :	10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPH-R_F.M		
Last changed	: 7/6/2005 8:22:50 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 7/6/2005 8:23:05 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	5.331	PB	0.0293	3077.10938	0.00430	naphthalene
2	6.113	PV	0.0442	2919.46924	0.00408	2-methylnaphthalene
3	6.681	BV	0.0555	3.39225e4	0.04735	2-FB(frac2)
4	7.158	PV	0.0555	2908.37695	0.00406	acenaphthylene
5	7.369	VV	0.0643	2.40343e4	0.03355	2-BrN(frac)
6	7.395	VB	0.0154	2159.06787	0.00301	acenaphthene
7	7.938	VV	0.0276	2337.66382	0.00326	fluorene
8	9.020	BV	0.0336	3231.57983	0.00451	anthracene
9	9.071	VB	0.0259	2557.39355	0.00357	phenanthrene
10	9.573	BB	0.0330	3222.72534	0.00450	OTP
11	10.394	BV	0.0357	2949.98340	0.00412	fluoranthene
12	10.633	VB	0.0382	3117.37500	0.00435	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.404	BB	0.0364	2832.86084	0.00395	COD
14	12.066	BV	0.0407	3498.13501	0.00488	benzo(a)anthracene
15	12.118	VV	0.0253	2452.23462	0.00342	chrysene
16	13.301	BV	0.0695	6132.74707	0.00856	benzo(b)fluoranthene
17	13.349		0.0000	0.00000	0.00000	benzo(k)fluoranthene
18	13.574	VB	0.0446	2957.06860	0.00413	benzo(a)pyrene
19	14.607		0.0000	0.00000	0.00000	dibenzo(a,h)anthracene
20	14.672	BV	0.0646	5866.15234	0.00819	indeno(1,2,3-cd)pyrene
21	14.840	VB	0.0479	3050.68335	0.00426	benzo(g,h,i)perylene

Totals : 1.13227e5 0.1581

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.573	BP S	0.0122	7586.06055	0.01059	?
2	0.653	VV S	0.0451	6.58377e5	0.91907	?
3	1.724	VV S	0.8725	7.07102e7	98.70834	?
4	1.801	VV S	0.0388	1.48257e4	0.02070	?
5	1.864	VV S	0.0489	1.48582e4	0.02074	?
6	1.915	VV S	0.0265	8182.16309	0.01142	?
7	1.950	VV S	0.0247	6569.26807	0.00917	?
8	1.977	VV S	0.0245	5267.52979	0.00735	?
9	2.006	VV S	0.0348	8034.66211	0.01122	?
10	2.059	VV S	0.0422	9352.93457	0.01306	?
11	2.107	VV S	0.0426	9707.95801	0.01355	?
12	2.159	VV S	0.0387	8381.02832	0.01170	?
13	2.207	VV S	0.0522	1.08873e4	0.01520	?
14	2.299	VV S	0.0752	1.13269e4	0.01581	?
15	2.378	VV S	0.0389	6377.16797	0.00890	?
16	2.418	VV S	0.0326	5568.22656	0.00777	?
17	2.465	VV S	0.0356	5317.47607	0.00742	?
18	2.522	VV S	0.0424	6129.83447	0.00856	?
19	2.571	VV S	0.0428	5401.29785	0.00754	?
20	2.623	VV S	0.0339	4015.69678	0.00561	?
21	2.653	VV S	0.0291	2476.95386	0.00346	?
22	2.696	VV S	0.0250	1451.90259	0.00203	?
23	2.749	VB S	0.0222	693.39868	0.00097	?
24	2.975	PP	0.0232	2.07011	2.890e-6	?
25	3.463	BB	0.0306	14.04676	1.961e-5	?
26	3.553	BB	0.0470	14.24751	1.989e-5	?
27	4.827	PB	0.0340	3.28712	4.589e-6	?
28	6.213	VB	0.0516	42.02866	5.867e-5	?
29	6.709	VB	0.0158	117.18262	0.00016	?
30	7.681	PV	0.0203	26.89666	3.755e-5	?
31	7.712	VB	0.0227	87.80135	0.00012	?
32	7.890	BV	0.0230	547.56219	0.00076	?
33	8.026	VV	0.0199	16.41841	2.292e-5	?
34	8.059	VB	0.0434	57.65916	8.049e-5	?
35	8.372	BB	0.0308	7.16673	1.000e-5	?
36	8.580	PP	0.0394	9.82675	1.372e-5	?
37	8.852	BP	0.0316	31.30010	4.369e-5	?
38	9.879	BV	0.0241	6.10458	8.522e-6	?
39	9.975	VV	0.0312	56.82285	7.932e-5	?
40	10.122	VP	0.0467	15.90412	2.220e-5	?
41	10.837	BB	0.0691	19.98311	2.790e-5	?
42	10.960	BB	0.0229	4.29571	5.997e-6	?
43	11.123	BB	0.0481	14.04146	1.960e-5	?
44	11.752	BP	0.0313	20.70277	2.890e-5	?
45	12.305	VB	0.0365	131.56999	0.00018	?
46	12.614	PV	0.0273	3.90746	5.455e-6	?
47	12.678	VB	0.0265	8.30177	1.159e-5	?
48	13.844	PP	0.0277	3.11171	4.344e-6	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
49	14.000	PP	0.0257	5.20895	7.271e-6	?
50	14.106	BP	0.0260	3.34295	4.667e-6	?

Uncalib. totals : 7.15223e7 99.8419

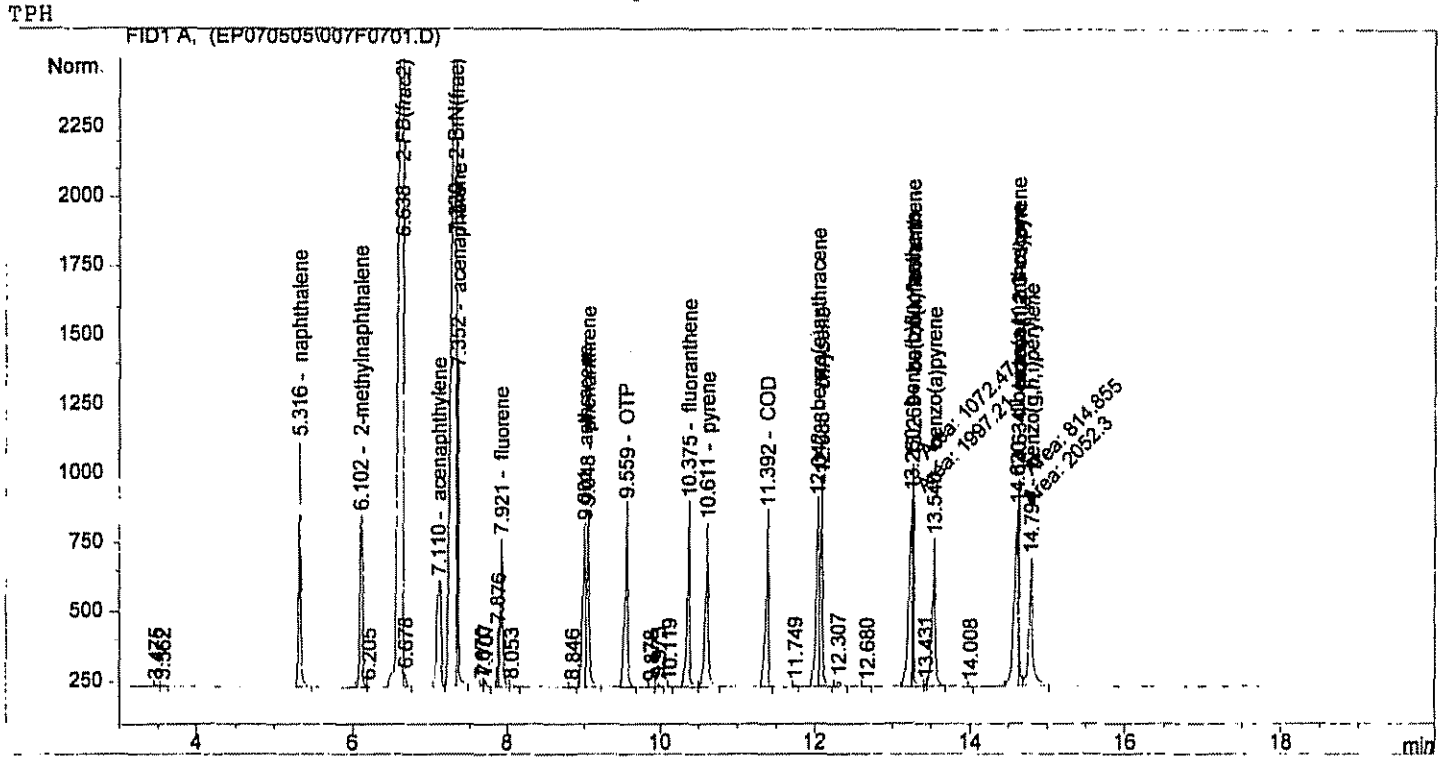
Results obtained with enhanced integrator!
3 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed

*** End of Report ***

Injection Date	: 7/5/2005 7:57:34 PM	Seq. Line :	7
Sample Name	: R 20 ical	Location :	Vial 7
Acq. Operator	: DCS	Inj :	1
Acq. Instrument	: GC6	Inj Volume :	10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPH-R_F.M		
Last changed	: 7/6/2005 8:24:52 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	7/6/2005 8:24:52 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	5.316	BB	0.0266	1560.88293	0.00203	naphthalene
2	6.102	BV	0.0401	1488.68005	0.00194	2-methylnaphthalene
3	6.638	BV	0.0461	1.69993e4	0.02215	2-FB(frac2)
4	7.110	PV	0.0495	1483.72766	0.00193	acenaphthylene
5	7.320	VV	0.0471	1.18874e4	0.01549	2-BrN(frac)
6	7.352	VB	0.0179	1344.53394	0.00175	acenaphthene
7	7.921	VV	0.0328	1174.09924	0.00153	fluorene
8	9.001	BV	0.0356	1523.33997	0.00199	anthracene
9	9.048	VB	0.0308	1401.40002	0.00183	phenanthrene
10	9.559	BB	0.0348	1633.10645	0.00213	OTP
11	10.375	BB	0.0329	1480.49524	0.00193	fluoranthene
12	10.611	BB	0.0348	1549.50317	0.00202	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.392	BB	0.0313	1423.13940	0.00185	COD
14	12.042	BV	0.0356	1639.31689	0.00214	benzo(a)anthracene
15	12.088	VB	0.0261	1352.98071	0.00176	chrysene
16	13.250	MF	0.0484	1997.20630	0.00260	benzo(b)fluoranthene
17	13.269	FM	0.0221	1072.47473	0.00140	benzo(k)fluoranthene
18	13.540	VB	0.0372	1456.48926	0.00190	benzo(a)pyrene
19	14.620	MF	0.0536	2052.29810	0.00267	dibenzo(a,h)anthracene
20	14.634	FM	0.0181	814.85461	0.00106	indeno(1,2,3-cd)pyrene
21	14.794	VB	0.0437	1551.06067	0.00202	benzo(g,h,i)perylene

Totals : 5.68863e4 7.413e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.602	BV S	0.0129	8.49849e4	0.11075	?
2	0.705	VV S	0.0440	1.37523e6	1.79211	?
3	1.742	VV S	0.6541	7.50294e7	97.77352	?
4	1.908	VV S	0.0673	3.74246e4	0.04877	?
5	1.952	VV S	0.0396	1.21283e4	0.01580	?
6	1.991	VV S	0.0302	1.07727e4	0.01404	?
7	2.034	VV S	0.0422	1.35335e4	0.01764	?
8	2.141	VV S	0.0741	2.04535e4	0.02665	?
9	2.182	VV S	0.0267	8688.21094	0.01132	?
10	2.244	VV S	0.0500	1.36782e4	0.01782	?
11	2.286	VV S	0.0402	9538.84961	0.01243	?
12	2.339	VV S	0.0380	9001.33887	0.01173	?
13	2.385	VV S	0.0318	7613.07666	0.00992	?
14	2.426	VV S	0.0291	6637.50195	0.00865	?
15	2.460	VV S	0.0457	8927.53320	0.01163	?
16	2.518	VV S	0.0398	7637.46240	0.00995	?
17	2.580	VV S	0.0647	1.09379e4	0.01425	?
18	2.637	VV S	0.0596	1.08081e4	0.01408	?
19	2.749	VV S	0.0288	1986.04175	0.00259	?
20	2.779	VB S	0.0183	975.51318	0.00127	?
21	2.814	BB X	0.0116	47.10050	6.138e-5	?
22	3.475	PB	0.0277	12.00442	1.564e-5	?
23	3.562	BB	0.0356	8.19074	1.067e-5	?
24	6.205	VB	0.0407	21.58257	2.813e-5	?
25	6.678	VB	0.0297	92.83358	0.00012	?
26	7.670	PV	0.0219	16.38607	2.135e-5	?
27	7.707	VB	0.0279	40.37153	5.261e-5	?
28	7.876	BV	0.0219	302.78958	0.00039	?
29	8.053	VB	0.0449	30.28831	3.947e-5	?
30	8.846	BP	0.0302	15.07834	1.965e-5	?
31	9.878	PB	0.0225	1.79715	2.342e-6	?
32	9.973	BP	0.0272	22.23527	2.898e-5	?
33	10.119	BB	0.0235	2.33401	3.042e-6	?
34	11.749	BB	0.0271	10.53847	1.373e-5	?
35	12.307	BB	0.0479	69.49090	9.056e-5	?
36	12.680	BP	0.0368	5.62944	7.336e-6	?
37	13.431	BV	0.0221	12.97947	1.691e-5	?
38	14.008	PP	0.0226	2.48874	3.243e-6	?

Uncalib. totals : 7.66810e7 99.9259

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

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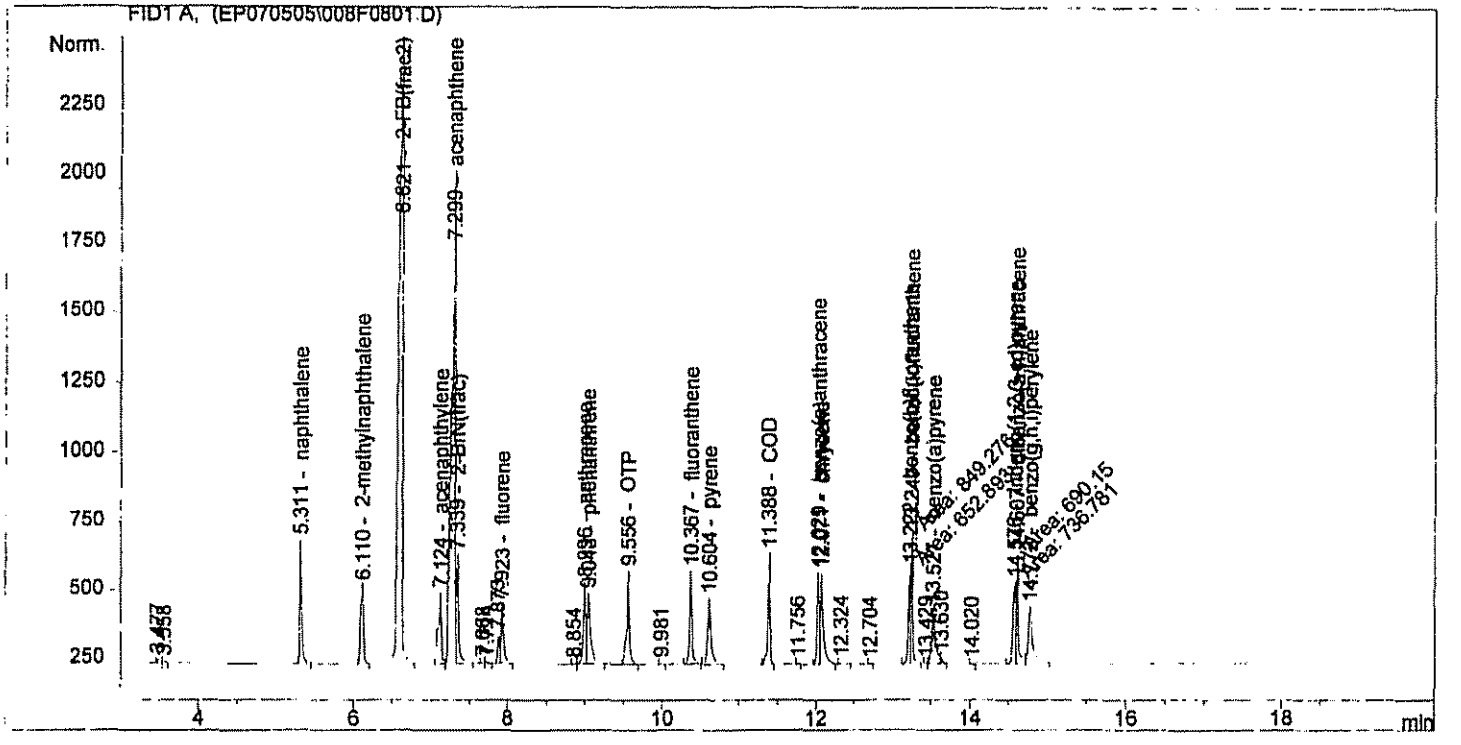
Injection Date	: 7/5/2005 8:24:17 PM	Seq. Line :	8
Sample Name	: R 10 ical	Location :	Vial 8
Acq. Operator	: DCS	Inj :	1
Acq. Instrument	: GC6	Inj Volume :	10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPH-R_F.M		
Last changed	: 7/6/2005 8:25:57 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 7/6/2005 8:25:40 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	5.311	BB	0.0257	759.28735	0.00094	naphthalene
2	6.110	PB	0.0345	717.77917	0.00089	2-methylnaphthalene
3	6.621	PB	0.0436	8296.57129	0.01032	2-FB(frac2)
4	7.124	PV	0.0375	721.87189	0.00090	acenaphthylene
5	7.299	VV	0.0454	5749.29248	0.00715	acenaphthene
6	7.339	VB	0.0256	734.45514	0.00091	2-BrN(frac)
7	7.923	VB	0.0325	511.53058	0.00064	fluorene
8	8.996	VV	0.0340	684.11963	0.00085	anthracene
9	9.043	VB	0.0414	753.16272	0.00094	phenanthrene
10	9.556	BB	0.0336	802.95880	0.00100	OTP
11	10.367	BB	0.0320	724.76520	0.00090	fluoranthene
12	10.604	BB	0.0444	772.86615	0.00096	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.388	BB	0.0264	707.93549	0.00088	COD
14	12.029	BV	0.0299	655.07660	0.00081	benzo(a)anthracene
15	12.071	VB	0.0364	831.57806	0.00103	chrysene
16	13.222	MF	0.0315	652.89319	0.00081	benzo(b)fluoranthene
17	13.247	FM	0.0300	849.27576	0.00106	benzo(k)fluoranthene
18	13.527	VV	0.0462	669.95624	0.00083	benzo(a)pyrene
19	14.576	MF	0.0414	736.78082	0.00092	indeno(1,2,3-cd)pyrene
20	14.607	FM	0.0289	690.14990	0.00086	dibenzo(a,h)anthracene
21	14.772	VB	0.0545	785.48206	0.00098	benzo(g,h,i)perylene

Totals : 2.78078e4 3.459e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.566	PV S	0.0132	747.37988	0.00093	?
2	0.675	VV S	0.0292	3.96008e5	0.49263	?
3	1.820	VV S	0.9774	7.97979e7	99.26709	?
4	1.959	VV S	0.1138	3.89370e4	0.04844	?
5	2.068	VV S	0.0817	2.05034e4	0.02551	?
6	2.115	VV S	0.0531	1.24003e4	0.01543	?
7	2.185	VV S	0.0484	1.44270e4	0.01795	?
8	2.248	VV S	0.0385	8142.15771	0.01013	?
9	2.280	VV S	0.0282	6517.15088	0.00811	?
10	2.326	VV S	0.0314	7340.53955	0.00913	?
11	2.363	VV S	0.0372	6874.45264	0.00855	?
12	2.403	VV S	0.0357	7568.43799	0.00941	?
13	2.455	VV S	0.0411	8658.30078	0.01077	?
14	2.509	VV S	0.0340	7557.59131	0.00940	?
15	2.554	VV S	0.0299	5949.49072	0.00740	?
16	2.599	VV S	0.0469	8102.41602	0.01008	?
17	2.648	VV S	0.0348	3804.99854	0.00473	?
18	2.687	VV S	0.0280	2789.33472	0.00347	?
19	2.729	VV S	0.0309	2428.41943	0.00302	?
20	2.771	VB S	0.0301	2264.80884	0.00282	?
21	3.477	PB	0.0202	19.81381	2.465e-5	?
22	3.558	BB	0.0239	9.88446	1.230e-5	?
23	7.668	PV	0.0260	8.62177	1.073e-5	?
24	7.714	VB	0.0278	16.83376	2.094e-5	?
25	7.873	BV	0.0263	188.52881	0.00023	?
26	8.854	BP	0.0237	5.95888	7.413e-6	?
27	9.981	PP	0.0292	10.25769	1.276e-5	?
28	11.756	BB	0.0211	4.92660	6.129e-6	?
29	12.324	BP	0.0578	26.56639	3.305e-5	?
30	12.704	PB	0.0218	1.88195	2.341e-6	?
31	13.429	PV	0.0176	1.88680	2.347e-6	?
32	13.630	VB	0.0254	38.84804	4.833e-5	?
33	14.020	PB	0.0234	1.75642	2.185e-6	?

Uncalib. totals : 8.03592e7 99.9654

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

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*** End of Report ***

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==========================================================================
Injection Date  : 7/5/2005 8:52:10 PM          Seq. Line :   9
Sample Name     : R 5 ical                      Location : Vial 9
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPH-R_F.M
Last changed    : 7/6/2005 8:27:20 AM by DCS
                  (modified after loading)
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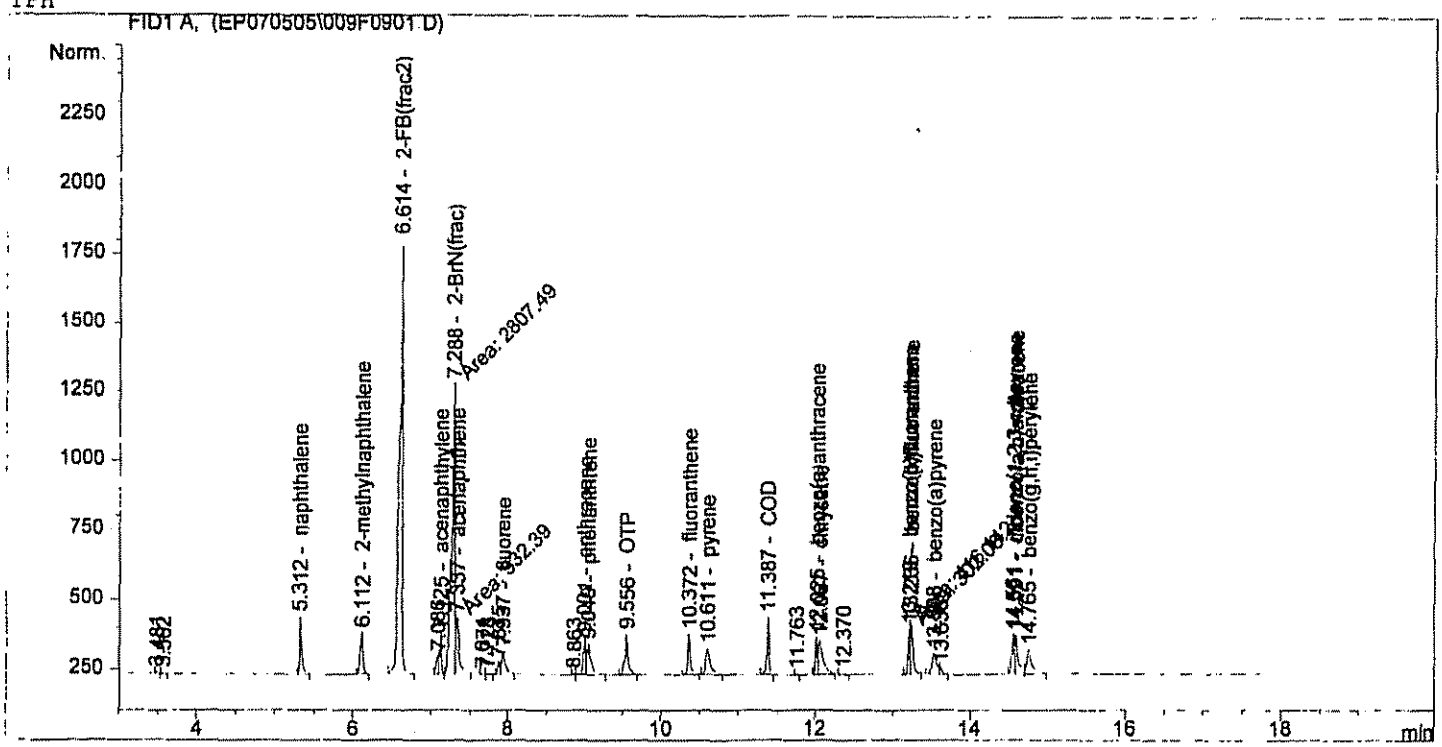
TPH

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==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/6/2005 8:27:44 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	5.312	BB	0.0275	381.19046	0.00046	naphthalene
2	6.112	PB	0.0344	365.53854	0.00045	2-methylnaphthalene
3	6.614	BB	0.0357	4271.07813	0.00520	2-FB(frac2)
4	7.125	VV	0.0234	228.60712	0.00028	acenaphthylene
5	7.288	MF	0.0448	2807.48755	0.00342	2-BrN(frac)
6	7.337	FM	0.0444	532.38989	0.00065	acenaphthene
7	7.937	VB	0.0445	266.79672	0.00033	fluorene
8	9.001	VV	0.0320	293.35999	0.00036	anthracene
9	9.049	VB	0.0533	435.87302	0.00053	phenanthrene
10	9.556	BB	0.0387	407.76004	0.00050	OTP
11	10.372	BB	0.0379	362.46796	0.00044	fluoranthene
12	10.611	BB	0.0614	391.06754	0.00048	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.387	BB	0.0265	359.22467	0.00044	COD
14	12.025	BV	0.0293	256.21942	0.00031	benzo(a)anthracene
15	12.067	VB	0.0519	490.22177	0.00060	chrysene
16	13.219	MF	0.0308	302.08035	0.00037	benzo(b)fluoranthene
17	13.236	FM	0.0383	416.14188	0.00051	benzo(k)fluoranthene
18	13.538	PV	0.0561	302.04449	0.00037	benzo(a)pyrene
19	14.561	BV	0.0301	289.19754	0.00035	indeno(1,2,3-cd)pyrene
20	14.591	VV	0.0378	380.25415	0.00046	dibenzo(a,h)anthracene
21	14.765	VB	0.0616	407.44254	0.00050	benzo(g,h,i)perylene

Totals : 1.39464e4 1.699e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.563	PV S	0.0140	759.74811	0.00093	?
2	0.683	VV S	0.0272	4.71086e5	0.57401	?
3	1.835	VV S	0.9971	8.14189e7	99.20795	?
4	1.950	PV T	0.0638	2.90373e4	0.03538	?
5	1.997	VV S	0.0228	8289.62305	0.01010	?
6	2.048	VV S	0.0489	1.32992e4	0.01620	?
7	2.093	VV S	0.0313	8470.81152	0.01032	?
8	2.137	VV S	0.0370	1.00365e4	0.01223	?
9	2.165	VV S	0.0329	7709.98682	0.00939	?
10	2.210	VV S	0.0343	7856.13281	0.00957	?
11	2.246	VV S	0.0270	5997.93506	0.00731	?
12	2.275	VV S	0.0240	5644.15088	0.00688	?
13	2.309	VV S	0.0357	8035.14502	0.00979	?
14	2.364	VV S	0.0360	7999.90137	0.00975	?
15	2.403	VV S	0.0385	8932.79004	0.01088	?
16	2.462	VV S	0.0381	7766.06934	0.00946	?
17	2.501	VV S	0.0397	7978.09717	0.00972	?
18	2.562	VV S	0.0350	7006.06787	0.00854	?
19	2.600	VV S	0.0308	6012.04736	0.00733	?
20	2.636	VV S	0.0245	4077.92383	0.00497	?
21	2.664	VV S	0.0264	2937.18262	0.00358	?
22	2.696	VV S	0.0469	4386.25098	0.00534	?
23	2.771	VB S	0.0397	2436.74902	0.00297	?
24	3.481	PB	0.0212	10.43116	1.271e-5	?
25	3.562	BP	0.0298	5.43903	6.627e-6	?
26	7.086	PV	0.0332	139.99332	0.00017	?
27	7.671	PV	0.0321	4.02950	4.910e-6	?
28	7.728	VP	0.0332	6.47859	7.894e-6	?
29	7.875	BV	0.0295	89.97723	0.00011	?
30	8.863	PV	0.0219	2.26688	2.762e-6	?
31	11.763	BB	0.0205	2.35931	2.875e-6	?
32	12.370	PP	0.0405	12.58713	1.534e-5	?
33	13.630	VB	0.0330	48.26193	5.881e-5	?

Uncalib. totals : 8.20550e7 99.9830

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

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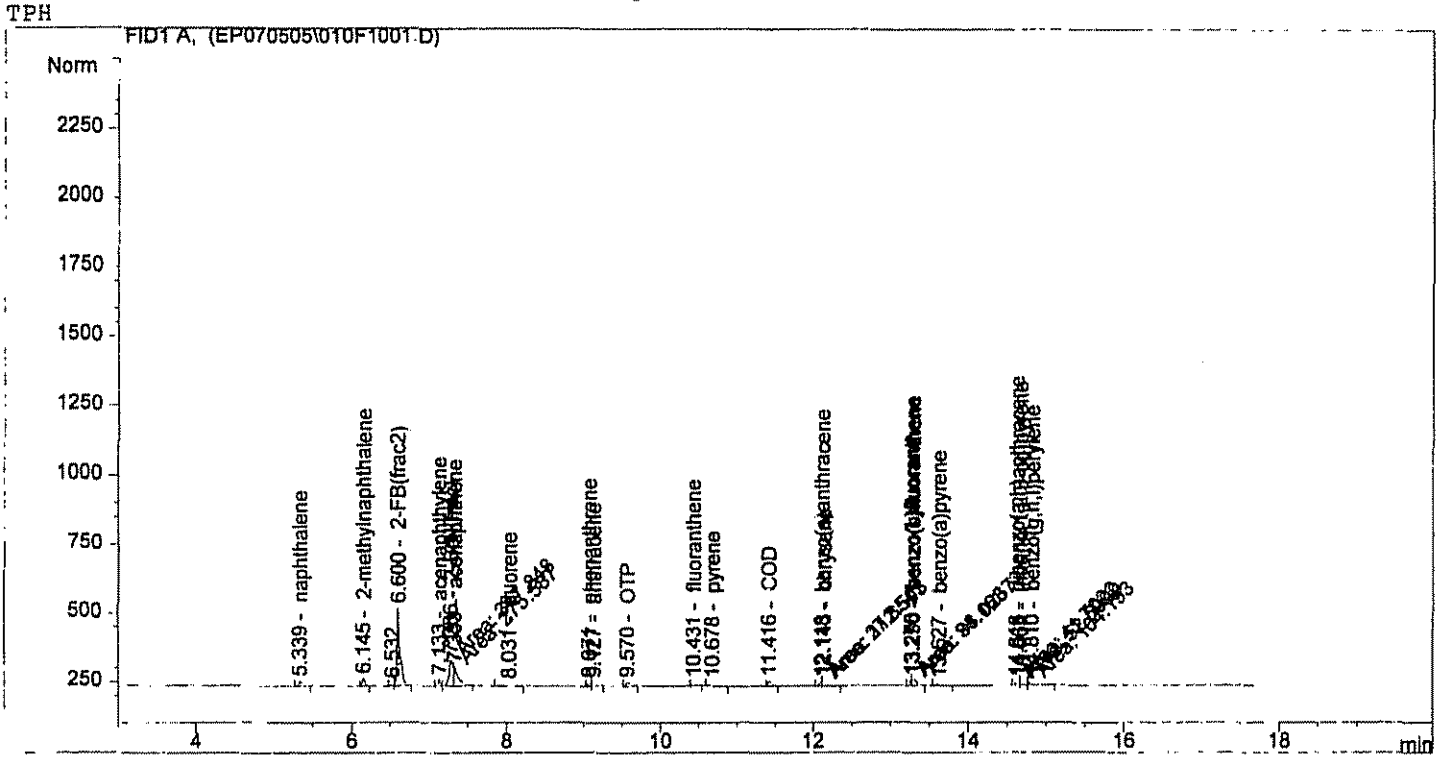
*** End of Report ***

Injection Date	: 7/5/2005 9:19:15 PM	Seq. Line	: 10
Sample Name	: R 1 ical	Location	: Vial 10
Acq. Operator	: DCS	Inj	: 1
Acq. Instrument	: GC6	Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPH-R_F.M		
Last changed	: 7/6/2005 8:27:20 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 7/6/2005 8:27:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	5.339	BB	0.0512	64.31669	7.634e-5	naphthalene
2	6.145	BB	0.0378	64.35564	7.638e-5	2-methylnaphthalene
3	6.600	VB	0.0394	807.25494	0.00096	2-FB(frac2)
4	7.133	BV	0.0339	58.26943	6.916e-5	acenaphthylene
5	7.286	MF	0.0601	347.84760	0.00041	2-BrN(frac)
6	7.333	FM	0.0694	275.58743	0.00033	acenaphthene
7	8.031	BB	0.1123	62.26244	7.390e-5	fluorene
8	9.071	PV	0.0353	30.46159	3.615e-5	phenanthrene
9	9.127	VB	0.0686	61.32705	7.279e-5	anthracene
10	9.570	PB	0.0630	60.99045	7.239e-5	OTP
11	10.431	PB	0.0520	47.63327	5.654e-5	fluoranthene
12	10.678	PB	0.0873	55.33611	6.568e-5	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.416	PB	0.0518	62.48400	7.416e-5	COD
14	12.118	MF	0.0344	27.85410	3.306e-5	benzo(a)anthracene
15	12.143	FM	0.1057	112.50302	0.00013	chrysene
16	13.276	MF	0.0271	34.16298	4.055e-5	benzo(k)fluoranthene
17	13.290	FM	0.0687	98.02668	0.00012	benzo(b)fluoranthene
18	13.627	BP	0.0798	59.56261	7.069e-5	benzo(a)pyrene
19	14.618	MF	0.0534	41.70220	4.950e-5	dibenzo(a,h)anthracene
20	14.663	MF	0.0767	52.59986	6.243e-5	indeno(1,2,3-cd)pyrene
21	14.810	FM	0.1217	104.19251	0.00012	benzo(g,h,i)perylene

Totals : 2528.73061 3.001e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.586	BV S	0.0143	4333.71777	0.00514	?
2	1.839	VP S	1.0271	8.40868e7	99.80158	?
3	2.008	VV S	0.0761	3.65618e4	0.04339	?
4	2.059	VV S	0.0345	1.20447e4	0.01430	?
5	2.112	VV S	0.0375	1.27805e4	0.01517	?
6	2.156	VV S	0.0405	1.08336e4	0.01286	?
7	2.224	VV S	0.0529	1.29609e4	0.01538	?
8	2.281	VV S	0.0449	1.06941e4	0.01269	?
9	2.351	VV S	0.0485	1.21059e4	0.01437	?
10	2.403	VV S	0.0348	8085.68506	0.00960	?
11	2.452	VV S	0.0350	7751.59668	0.00920	?
12	2.492	VV S	0.0360	6734.70947	0.00799	?
13	2.553	VV S	0.0550	1.09048e4	0.01294	?
14	2.609	VV S	0.0359	6701.88184	0.00795	?
15	2.653	VV S	0.0348	4843.07471	0.00575	?
16	2.701	VV S	0.0276	2745.96802	0.00326	?
17	2.731	VV S	0.0322	2425.09570	0.00288	?
18	2.781	VB S	0.0288	2030.10254	0.00241	?
19	2.817	BB T	0.0179	88.50211	0.00011	?
20	6.532	PV	0.0308	19.19580	2.278e-5	?

Uncalib. totals : 8.42515e7 99.9970

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

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*** End of Report ***

EPH CVS Raw Data

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date 07/05/05

Calibration Ranges and Limits

Range	MDL (2/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_9-C_{18} Aliphatics	3.84	12.2	100	10
C_{19}-C_{36} Aliphatics	0.57	1.8	100	10
C_{11}-C_{22} Aromatics	4.54	14.4	100	10

Calibration Concentration Levels

Range	Levels (µg/mL)	%RSD or CCC	Method of Quantitation
C_9-C_{18} Aliphatics	6	16.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	9.4	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	16.4	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date 08/01/05

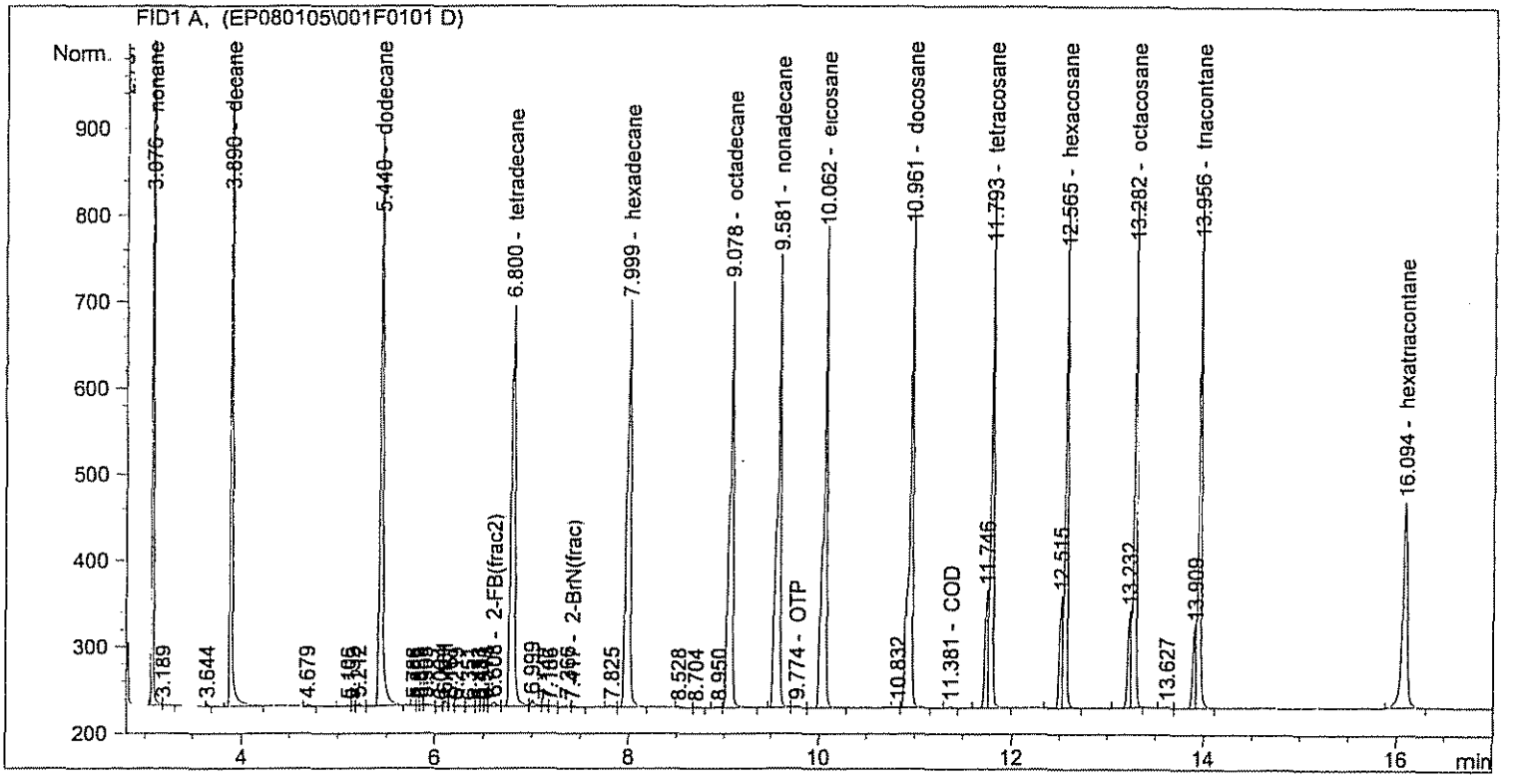
Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	18.0
C_{19}-C_{36} Aliphatics	160	-4.3
C_{11}-C_{22} Aromatics	340	-10.1

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

Injection Date : 8/1/2005 8:47:41 AM
Sample Name : K 20 ccal
Acq. Operator : DCS
Acq. Instrument : GC6
Acq. Method : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed : 7/27/2005 10:59:33 AM by DCS
TPH

Seq. Line : 1
Location : Vial 1
Inj : 1
Inj Volume : 10 µl



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 7/27/2005 10:59:25 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.076	VV	0.0169	1291.74585	0.00166	nonane
2	3.890	PB	0.0187	1304.45496	0.00167	decane
3	5.440	VB	0.0292	1305.17334	0.00167	dodecane
4	6.608	VV	0.0567	20.73652	2.658e-5	2-FB(frac2)
5	6.800	VV	0.0390	1323.59216	0.00170	tetradecane
6	7.417	VP	0.0449	6.27713	8.047e-6	2-BrN(frac)
7	7.999	VV	0.0376	1309.16602	0.00168	hexadecane
8	9.078	VB	0.0373	1320.03259	0.00169	octadecane
9	9.581	VV	0.0343	1312.93689	0.00168	nonadecane
10	9.774	VP	0.0498	8.41284	1.078e-5	OTP
11	10.062	VB	0.0337	1311.72290	0.00168	eicosane
12	10.961	VB	0.0315	1305.08850	0.00167	docosane
13	11.381	PP	0.0303	4.68575	6.007e-6	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.793	VB	0.0262	1026.35596	0.00132	tetracosane
15	12.565	VB	0.0281	1057.52124	0.00136	hexacosane
16	13.282	VB	0.0271	1064.65186	0.00136	octacosane
17	13.956	VB	0.0271	1091.39075	0.00140	triacontane
18	16.094	PB	0.0542	862.80365	0.00111	hexatriacontane

Totals : 1.69267e4 2.170e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.551	PV	0.0232	44.76701	5.739e-5	?
2	1.809	VV S	0.9721	7.70540e7	98.77465	?
3	1.851	VV S	0.0174	7.81102e5	1.00129	?
4	1.917	VV S	0.0815	2.60349e4	0.03337	?
5	1.975	VV S	0.0392	1.38132e4	0.01771	?
6	2.024	VV S	0.0378	1.23249e4	0.01580	?
7	2.126	VV S	0.0614	1.89277e4	0.02426	?
8	2.172	VV S	0.0250	7934.25635	0.01017	?
9	2.214	VV S	0.0383	8820.67090	0.01131	?
10	2.272	VV S	0.0970	2.03991e4	0.02615	?
11	2.423	VV S	0.0734	1.36331e4	0.01748	?
12	2.491	VV S	0.0526	9019.95801	0.01156	?
13	2.548	VV S	0.0405	7205.32520	0.00924	?
14	2.595	VV S	0.0348	5302.60645	0.00680	?
15	2.631	VV S	0.0363	6063.67334	0.00777	?
16	2.695	VV S	0.0396	3627.58545	0.00465	?
17	2.748	VV S	0.0408	2818.89282	0.00361	?
18	2.787	VBAS	0.0169	765.67023	0.00098	?
19	3.189	VV	0.0465	8.05628	1.033e-5	?
20	3.644	BP	0.0177	3.90420	5.005e-6	?
21	4.679	PV	0.0502	8.96783	1.150e-5	?
22	5.106	VV	0.0387	4.25287	5.452e-6	?
23	5.152	VV	0.0368	3.44050	4.410e-6	?
24	5.212	VP	0.0315	7.98121	1.023e-5	?
25	5.786	PV	0.0276	1.72321	2.209e-6	?
26	5.825	VV	0.0196	1.71027	2.192e-6	?
27	5.859	VV	0.0287	3.72182	4.771e-6	?
28	5.905	VP	0.0427	6.89722	8.841e-6	?
29	6.064	VV	0.0285	3.55683	4.559e-6	?
30	6.101	VV	0.0266	15.75975	2.020e-5	?
31	6.157	VV	0.0377	9.14253	1.172e-5	?
32	6.219	VV	0.0487	5.60191	7.181e-6	?
33	6.351	VV	0.0477	4.23985	5.435e-6	?
34	6.453	VV	0.0287	3.22853	4.139e-6	?
35	6.481	VV	0.0277	3.89304	4.990e-6	?
36	6.516	VV	0.0291	3.60687	4.624e-6	?
37	6.999	VV	0.0394	23.78882	3.049e-5	?
38	7.142	VV	0.0461	6.14354	7.875e-6	?
39	7.186	VV	0.0439	4.10311	5.260e-6	?
40	7.366	VV	0.0502	14.08318	1.805e-5	?
41	7.825	VV	0.0449	9.08563	1.165e-5	?
42	8.528	VP	0.0590	5.16408	6.620e-6	?
43	8.704	BB	0.0297	2.33396	2.992e-6	?
44	8.950	PV	0.0466	6.28760	8.060e-6	?
45	10.832	VV	0.0328	5.64982	7.242e-6	?
46	11.746	VV	0.0291	281.69440	0.00036	?
47	12.515	VV	0.0287	252.32115	0.00032	?
48	13.232	PV	0.0313	223.06580	0.00029	?
49	13.627	BP	0.0351	3.22543	4.135e-6	?
50	13.909	VV	0.0315	190.65881	0.00024	?

Uncalib. totals : 7.79930e7 99.9783

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

==========

*** End of Report ***

```
==========================================================================
Injection Date  : 8/1/2005 9:14:27 AM          Seq. Line :   2
Sample Name     : R 20 ccal                     Location : Vial 2
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPH-R_F.M
Last changed    : 7/14/2005 2:23:08 PM by DCS
TPH
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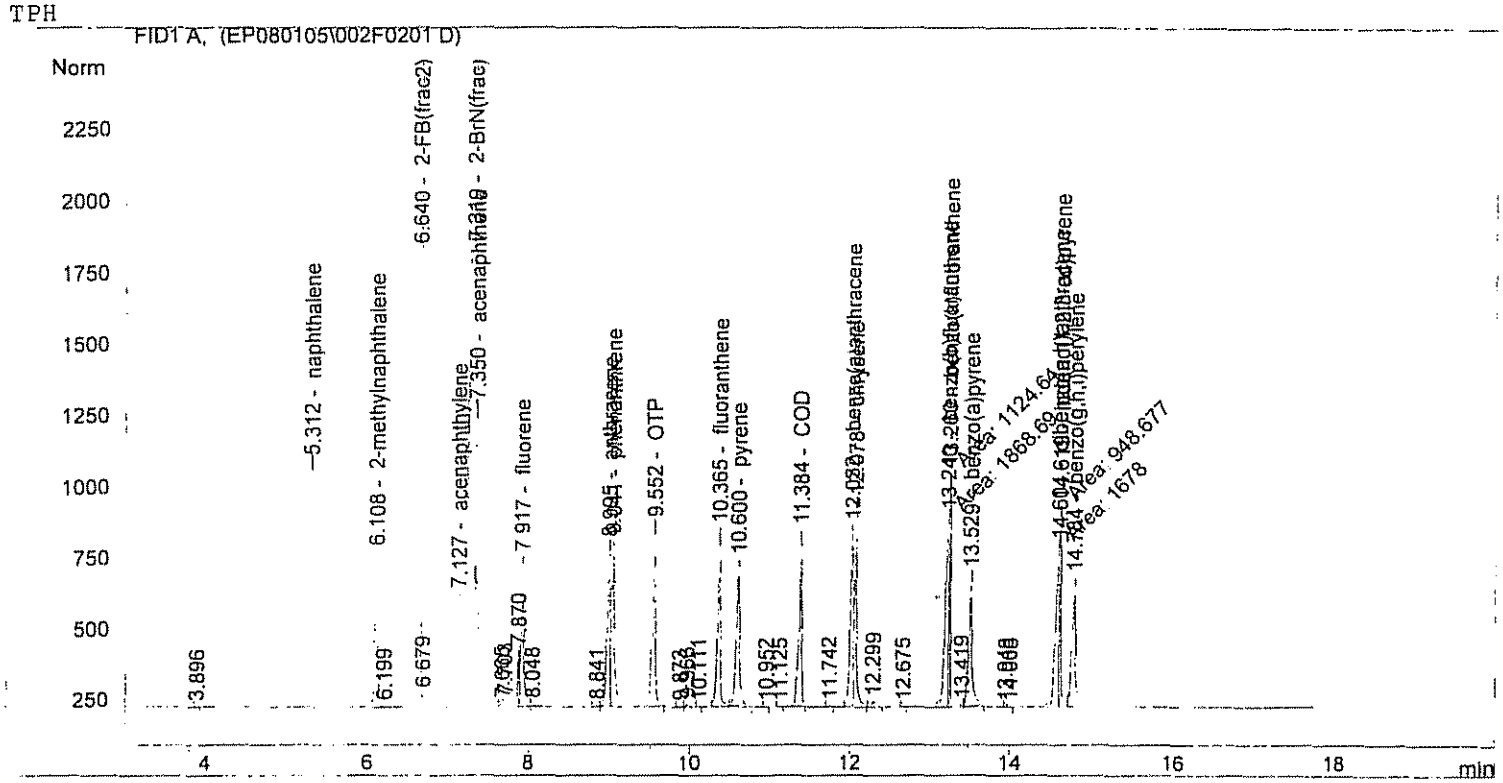


```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/14/2005 2:22:40 PM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs


Signal 1: FID1 A,
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	5.312	BB	0.0276	1533.66699	0.00202	naphthalene
2	6.108	BV	0.0358	1456.23132	0.00191	2-methylnaphthalene
3	6.640	BV	0.0529	1.80250e4	0.02370	2-FB(frac2)
4	7.127	PP	0.0487	1457.44556	0.00192	acenaphthylene
5	7.319	VV	0.0500	1.26519e4	0.01664	2-BrN(frac)
6	7.350	VB	0.0183	1288.25171	0.00169	acenaphthene
7	7.917	VV	0.0300	1132.54321	0.00149	fluorene
8	8.995	VV	0.0349	1481.86670	0.00195	anthracene
9	9.041	VB	0.0329	1403.88025	0.00185	phenanthrene
10	9.552	BB	0.0337	1590.54382	0.00209	OTP
11	10.365	BB	0.0341	1458.15955	0.00192	fluoranthene
12	10.600	BB	0.0406	1530.97791	0.00201	pyrene
13	11.384	BB	0.0319	1382.14990	0.00182	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	12.032	BV	0.0333	1549.46545	0.00204	benzo(a)anthracene
15	12.078	VB	0.0283	1385.21838	0.00182	chrysene
16	13.240	MF	0.0461	1868.68518	0.00246	benzo(b)fluoranthene
17	13.260	FM	0.0226	1124.64368	0.00148	benzo(k)fluoranthene
18	13.529	VB	0.0421	1411.64575	0.00186	benzo(a)pyrene
19	14.604	MF	0.0489	1677.99670	0.00221	dibenzo(a,h)anthracene
20	14.619	FM	0.0222	948.67719	0.00125	indeno(1,2,3-cd)pyrene
21	14.784	VB	0.0436	1428.90881	0.00188	benzo(g,h,i)perylene

Totals : 5.77879e4 7.598e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.572	PP S	7.10e-3	9514.21387	0.01251	?
2	0.610	VV S	0.0194	1.31607e5	0.17305	?
3	0.717	VV S	0.0538	1.91622e6	2.51962	?
4	1.789	VV S	0.9177	7.30314e7	96.02797	?
5	1.824	VV S	0.0164	7.61604e5	1.00142	?
6	1.912	VV S	0.0369	1.33951e4	0.01761	?
7	1.964	VV S	0.0414	1.18488e4	0.01558	?
8	2.008	VV S	0.0380	1.05541e4	0.01388	?
9	2.064	VV S	0.0428	1.08411e4	0.01425	?
10	2.117	VV S	0.0506	1.21879e4	0.01603	?
11	2.172	VV S	0.0361	9486.92188	0.01247	?
12	2.225	VV S	0.0429	9981.10742	0.01312	?
13	2.276	VV S	0.0253	6252.73779	0.00822	?
14	2.324	VV S	0.0441	8958.23438	0.01178	?
15	2.381	VV S	0.0565	1.02194e4	0.01344	?
16	2.434	VV S	0.0274	6439.44873	0.00847	?
17	2.477	VV S	0.0220	4975.45703	0.00654	?
18	2.523	VV S	0.0361	6779.07227	0.00891	?
19	2.561	VV S	0.0274	4960.01221	0.00652	?
20	2.609	VV S	0.0540	7699.88330	0.01012	?
21	2.661	VV S	0.0272	3148.38721	0.00414	?
22	2.703	VV S	0.0352	3130.89819	0.00412	?
23	2.761	VB S	0.0390	2526.45117	0.00332	?
24	3.896	BB	0.0256	3.35492	4.411e-6	?
25	6.199	VB	0.0445	22.62573	2.975e-5	?
26	6.679	VB	0.0288	94.06718	0.00012	?
27	7.665	PV	0.0256	17.46792	2.297e-5	?
28	7.703	VB	0.0268	42.51852	5.591e-5	?
29	7.870	BV	0.0247	319 49597	0.00042	?
30	8.048	VB	0.0434	28.34574	3.727e-5	?
31	8.841	BP	0.0337	14.56781	1.916e-5	?
32	9.873	PB	0.0277	6.41269	8.432e-6	?
33	9.966	BP	0.0254	19.03285	2.503e-5	?
34	10.111	PP	0.0228	2.23604	2.940e-6	?
35	10.952	PP	0.0224	2.06163	2.711e-6	?
36	11.125	BB	0.0315	3.40766	4.481e-6	?
37	11.742	BB	0.0311	12.26880	1.613e-5	?
38	12.299	BB	0.0527	79.31598	0.00010	?
39	12.675	PB	0.0270	3.28222	4.316e-6	?
40	13.419	VV	0.0254	15.46702	2.034e-5	?
41	13.948	BP	0.0242	2.08307	2.739e-6	?
42	14.006	VP	0.0227	2.65210	3.487e-6	?

Uncalib. totals : 7.59944e7 99.9240

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

Warning : Elution order of calibrated compounds may have changed

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*** End of Report ***

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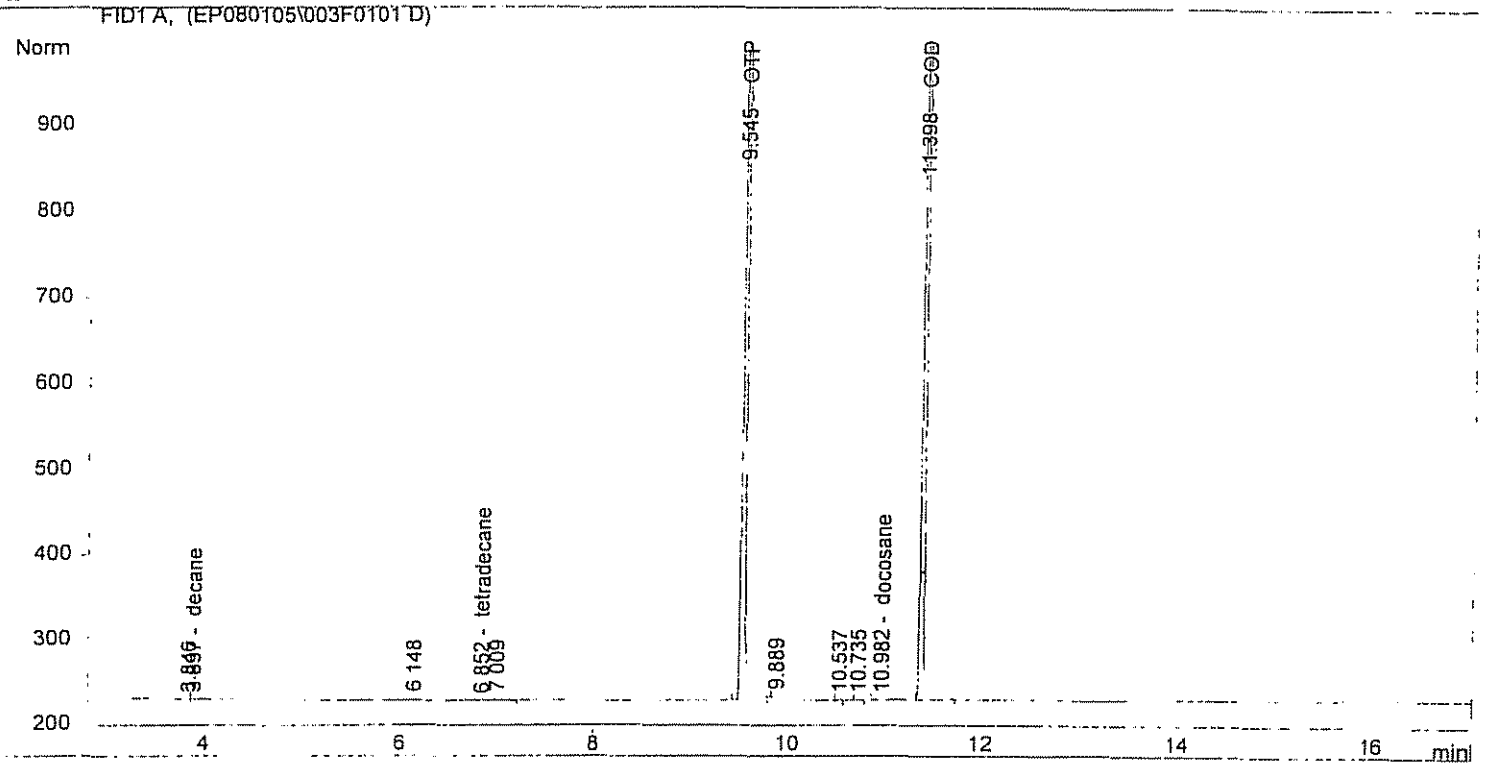
EPH QC, Blanks Raw Data

Injection Date	: 8/1/2005 4:23:56 PM	Seq. Line :	1
Sample Name	: pb3329	Location :	Vial 3
Acq. Operator	: DCS	Inj :	1
Acq. Instrument	: GC6	Inj Volume :	10 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\080105.S		
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPHTK_F.M		
Last changed	: 7/27/2005 10:59:33 AM by DCS		

TPH



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 7/27/2005 10:59:25 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.072		0.0000	0.00000	0.00000	nonane
2	3.897	VV	0.0776	8.39311	1.371e-5	decane
3	5.541		0.0000	0.00000	0.00000	dodecane
4	6.610		0.0000	0.00000	0.00000	2-FB(frac2)
5	6.852	BV	0.0529	5.28206	8.630e-6	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	8.095		0.0000	0.00000	0.00000	hexadecane
8	9.172		0.0000	0.00000	0.00000	octadecane
9	9.545	VB	0.0261	2816.22046	0.00460	OTP
10	9.581		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	10.982	PP	0.0232	2.48289	4.057e-6	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.398	VB	0.0269	2649.60400	0.00433	COD
14	11.888		0.0000	0.00000	0.00000	tetracosane
15	12.658		0.0000	0.00000	0.00000	hexacosane
16	13.284		0.0000	0.00000	0.00000	octacosane
17	14.039		0.0000	0.00000	0.00000	triacontane
18	16.100		0.0000	0.00000	0.00000	hexatriacontane

Totals : 5481.98253 8.957e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.465	BV S	0.2314	6.11471e7	99.90843	?
2	1.309	VV S	0.0286	6407.72461	0.01047	?
3	1.346	VV S	0.0396	6925.71045	0.01132	?
4	1.401	VV S	0.0368	5141.22070	0.00840	?
5	1.439	VV S	0.0381	4740.52881	0.00775	?
6	1.506	VV S	0.0432	3887.30444	0.00635	?
7	1.551	VV S	0.0270	2042.64355	0.00334	?
8	1.584	VV S	0.0322	1954.84216	0.00319	?
9	1.637	VV S	0.0471	2666.07764	0.00436	?
10	1.681	VV S	0.0265	1324.09717	0.00216	?
11	1.715	VV S	0.0311	1608.36304	0.00263	?
12	1.764	VV S	0.0340	1528.08716	0.00250	?
13	1.823	VV S	0.0852	2751.13232	0.00450	?
14	1.900	VV S	0.0335	1096.16541	0.00179	?
15	1.956	VBAS	0.2527	5677.84326	0.00928	?
16	2.023	BV X	0.0217	309.34909	0.00051	?
17	2.072	VV X	0.0231	176.78410	0.00029	?
18	2.122	VV X	0.0257	249.28719	0.00041	?
19	2.173	VV X	0.0211	162.06435	0.00026	?
20	2.234	VV X	0.0259	226.01950	0.00037	?
21	2.284	VV X	0.0245	176.56801	0.00029	?
22	2.346	VV X	0.0183	129.50977	0.00021	?
23	2.385	VV T	0.0226	129.04187	0.00021	?
24	2.425	VV T	0.0204	119.46156	0.00020	?
25	2.477	VV T	0.0402	187.70480	0.00031	?
26	2.527	VV T	0.0181	119.83637	0.00020	?
27	2.595	VV T	0.0632	312.92136	0.00051	?
28	2.673	VV T	0.0211	136.59621	0.00022	?
29	2.710	VBAT	0.0551	322.64029	0.00053	?
30	3.846	VV	0.0720	6.94875	1.135e-5	?
31	6.148	PB	0.0730	16.89827	2.761e-5	?
32	7.009	VP	0.0606	14.65289	2.394e-5	?
33	9.889	BP	0.0271	4.87306	7.962e-6	?
34	10.537	BV	0.0264	3.25161	5.313e-6	?
35	10.735	VB	0.0266	3.08332	5.038e-6	?

Uncalib. totals : 6.11977e7 99.9910

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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*** End of Report ***

External Standard Report

ıta File Name : C:\HPCHEM\1\DATA\EP092205\038F3801.D
ɔerator : DCS
ıstrument : GC6
ımple Name : G111-769-1J x1 ms R
ın Time Bar Code: 146963
:quired on : 23 Sep 05 1:56:52 AM
ɜport Created on: 23 Sep 2005 10:16:17 AM
ıst Recalib on : 23 Sep 2005 9:33:55 AM
ılltiplier : 1.0000

Page Number :
Vial Number : Vial 38
Injection Number : 1
Sequence Line : 38
Instrument Method: PROEPH.M
Analysis Method : EPH-R_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP092205\038F3801.D

ɜt Time	Area	Type	Width	Ref#	ng	Name
5.267	670.64075	VV	0.02	1	0.00086	naphthalene
6.062	137.74988	VV	0.04	2	0.00018	2-methylnaphthalene
6.587	1.13528e4	VV	0.04	3	0.01452	2-FB(frac2)
7.018	80.74057	VV	0.07	4	0.00010	acenaphthylene
7.263	8546.54980	VV	0.05	5	0.01093	2-BrN(frac)
7.296	883.35425	VV	0.03	6	0.00113	acenaphthene
7.899	83.12497	VV	0.13	7	0.00011	fluorene
8.955	0.00000	XX	0.00	8	0.00000	phenanthrene
9.003	645.39752	PB	0.05	9	0.00083	anthracene
9.511	2463.04736	PP	0.03	10	0.00315	OTP
10.237	6.01266	VB	0.03	11	7.690e-6	fluoranthene
10.547	680.35480	VB	0.05	12	0.00087	pyrene
11.364	20.90446	VP	0.03	13	2.674e-5	COD
11.732	3.24701	BB	0.02	14	4.153e-6	benzo(a)anthracene
12.032	498.99362	VB	0.07	15	0.00064	chrysene
12.927	2.62389	BP	0.03	16	3.356e-6	benzo(b)fluoranthene
13.215	0.00000	XX	0.00	17	0.00000	benzo(k)fluoranthene
13.414	4.03622	BP	0.04	18	5.162e-6	benzo(a)pyrene
14.607	0.00000	XX	0.00	19	0.00000	dibenzo(a,h)anthracene
14.640	0.00000	XX	0.00	20	0.00000	indeno(1,2,3-cd)pyrene
14.817	0.00000	XX	0.00	21	0.00000	benzo(g,h,i)perylene
0.557	128.27477	PV	0.01	1	0.00016	* uncalibrated *
0.658	1.32309e5	VVS	0.01	2	0.16923	* uncalibrated *
1.769	7.70084e7	VVS	0.96	3	98.49577	* uncalibrated *
1.841	8.85329e5	VVS	0.01	4	1.13236	* uncalibrated *
1.929	1.25660e4	VVS	0.03	5	0.01607	* uncalibrated *
1.985	1.08716e4	VVS	0.04	6	0.01391	* uncalibrated *
2.046	8953.82031	VVS	0.03	7	0.01145	* uncalibrated *
2.085	7504.04395	VVS	0.03	8	0.00960	* uncalibrated *
2.120	6511.91162	VVS	0.02	9	0.00833	* uncalibrated *
2.153	6770.50879	VVS	0.03	10	0.00866	* uncalibrated *
2.198	8442.41797	VVS	0.03	11	0.01080	* uncalibrated *
2.245	8345.93652	VVS	0.03	12	0.01067	* uncalibrated *
2.293	8325.18848	VVS	0.03	13	0.01065	* uncalibrated *
2.351	7059.83154	VVS	0.03	14	0.00903	* uncalibrated *
2.403	8608.97168	VVS	0.05	15	0.01101	* uncalibrated *
2.456	6418.81006	VVS	0.03	16	0.00821	* uncalibrated *
2.490	4656.43555	VVS	0.02	17	0.00596	* uncalibrated *
2.530	6551.32373	VVS	0.04	18	0.00838	* uncalibrated *
2.580	8104.25391	VVS	0.04	19	0.01037	* uncalibrated *
2.636	4232.39941	VVS	0.03	20	0.00541	* uncalibrated *
2.678	2929.01123	VVS	0.03	21	0.00375	* uncalibrated *
2.727	2123.12183	VVS	0.03	22	0.00272	* uncalibrated *

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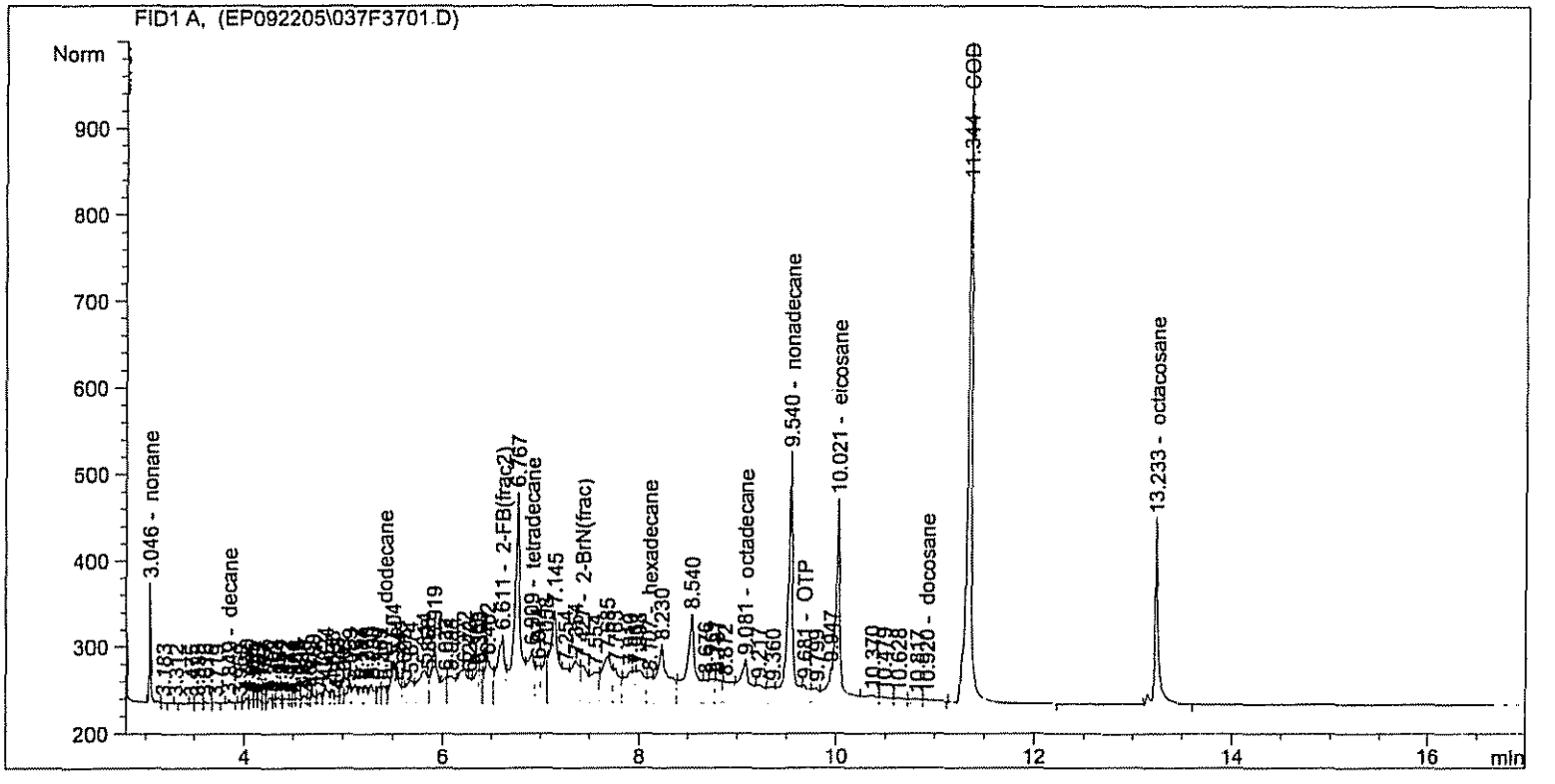
Injection Date	: 9/23/2005 1:29:02 AM	Seq. Line	: 37
Sample Name	: 146963 x1 ms K	Location	: Vial 37
Acq. Operator	: DCS	Inj	: 1
Acq. Instrument	: GC6	Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPHTK_F.M		
Last changed	: 9/23/2005 10:16:37 AM by DCS (modified after loading)		

TPH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 9/20/2005 8:28:13 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.046	VV	0.0168	150.98267	0.00019	nonane
2	3.849	VV	0.0312	9.36065	1.182e-5	decane
3	5.417	VV	0.0429	62.26839	7.860e-5	dodecane
4	6.611	VV	0.0681	425.09412	0.00054	2-FB(frac2)
5	6.909	VV	0.0615	290.15680	0.00037	tetradecane
6	7.427	VV	0.0597	206.82416	0.00026	2-BrN(frac)
7	8.107	VV	0.0461	112.37833	0.00014	hexadecane
8	9.081	VV	0.0969	380.65182	0.00048	octadecane
9	9.540	VV	0.0469	1020.36523	0.00129	nonadecane
10	9.681	VV	0.0566	95.66457	0.00012	OTP
11	10.021	VV	0.0456	782.94440	0.00099	eicosane
12	10.920	VB	0.1336	50.90025	6.425e-5	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.344	BB	0.0396	2125.89160	0.00268	COD
14	11.779		0.0000	0.00000	0.00000	tetracosane
15	12.525		0.0000	0.00000	0.00000	hexacosane
16	13.233	BB	0.0417	584.93872	0.00074	octacosane
17	13.914		0.0000	0.00000	0.00000	triacontane
18	16.100		0.0000	0.00000	0.00000	hexatriacontane

Totals : 6298.42171 7.950e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.550	PV	0.0203	154.49879	0.00020	?
2	0.584	VV	0.0222	56.34329	7.112e-5	?
3	0.666	VV S	0.0187	2.76478e5	0.34898	?
4	1.770	VV S	0.6882	7.79287e7	98.36318	?
5	1.847	VV S	0.0181	8.64032e5	1.09060	?
6	1.888	VV S	0.0246	8173.22656	0.01032	?
7	1.931	VV S	0.0347	1.06272e4	0.01341	?
8	1.975	VV S	0.0452	1.19514e4	0.01509	?
9	2.034	VV S	0.0457	1.06971e4	0.01350	?
10	2.076	VV S	0.0394	9946.12305	0.01255	?
11	2.130	VV S	0.0433	9639.59570	0.01217	?
12	2.185	VV S	0.0361	8348.09375	0.01054	?
13	2.227	VV S	0.0343	6519.44141	0.00823	?
14	2.261	VV S	0.0325	6692.10840	0.00845	?
15	2.327	VV S	0.0593	1.03253e4	0.01303	?
16	2.368	VV S	0.0285	5700.40527	0.00720	?
17	2.411	VV S	0.0289	5696.80078	0.00719	?
18	2.445	VV S	0.0288	4955.45312	0.00625	?
19	2.481	VV S	0.0299	5385.24609	0.00680	?
20	2.520	VV S	0.0349	6443.15234	0.00813	?
21	2.578	VV S	0.0425	7369.06152	0.00930	?
22	2.626	VV S	0.0331	4904.85889	0.00619	?
23	2.663	VV S	0.0276	2528.98730	0.00319	?
24	2.702	VV S	0.0310	2207.49292	0.00279	?
25	2.757	VBAS	0.0433	2621.57471	0.00331	?
26	3.183	VV	0.0299	2.44613	3.088e-6	?
27	3.312	VV	0.0191	2.03266	2.566e-6	?
28	3.475	VV	0.0275	1.98122	2.501e-6	?
29	3.535	VV	0.0388	5.45257	6.882e-6	?
30	3.616	VV	0.0269	4.11327	5.192e-6	?
31	3.719	VV	0.0373	3.09649	3.908e-6	?
32	3.959	VV	0.0343	3.43378	4.334e-6	?
33	4.030	VV	0.0279	13.93439	1.759e-5	?
34	4.085	VV	0.0281	9.47511	1.196e-5	?
35	4.121	VV	0.0302	8.41328	1.062e-5	?
36	4.155	VV	0.0265	8.12660	1.026e-5	?
37	4.197	VV	0.0283	3.48367	4.397e-6	?
38	4.262	VV	0.0293	15.93223	2.011e-5	?
39	4.308	VV	0.0194	8.68008	1.096e-5	?
40	4.354	VV	0.0395	21.93066	2.768e-5	?
41	4.412	VV	0.0426	21.57295	2.723e-5	?
42	4.474	VV	0.0220	7.70764	9.729e-6	?
43	4.508	VV	0.0246	9.63982	1.217e-5	?
44	4.545	VV	0.0393	17.01132	2.147e-5	?
45	4.617	VV	0.0485	29.10476	3.674e-5	?
46	4.659	VV	0.0214	8.75360	1.105e-5	?
47	4.700	VV	0.0335	32.80600	4.141e-5	?
48	4.772	VV	0.0337	31.69109	4.000e-5	?
49	4.824	VV	0.0375	59.47348	7.507e-5	?
50	4.896	VV	0.0278	30.72185	3.878e-5	?
51	4.943	VV	0.0378	22.22614	2.805e-5	?
52	5.001	VV	0.0386	25.23910	3.186e-5	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
53	5.069	VV	0.0431	60.08269	7.584e-5	?
54	5.132	VV	0.0435	72.31853	9.128e-5	?
55	5.184	VV	0.0344	48.12100	6.074e-5	?
56	5.230	VV	0.0334	48.59850	6.134e-5	?
57	5.290	VV	0.0497	79.56321	0.00010	?
58	5.369	VV	0.0379	52.97512	6.687e-5	?
59	5.504	VV	0.0404	144.51640	0.00018	?
60	5.544	VV	0.0396	90.55018	0.00011	?
61	5.605	VV	0.0284	37.18625	4.694e-5	?
62	5.674	VV	0.0642	136.92903	0.00017	?
63	5.814	VV	0.0834	236.28290	0.00030	?
64	5.858	VV	0.0189	43.61563	5.505e-5	?
65	5.919	VV	0.0558	286.47348	0.00036	?
66	6.032	VV	0.0456	101.93266	0.00013	?
67	6.088	VV	0.0711	172.45158	0.00022	?
68	6.222	VV	0.0777	249.90369	0.00032	?
69	6.273	VV	0.0297	68.77306	8.681e-5	?
70	6.363	VV	0.0477	146.32034	0.00018	?
71	6.390	VV	0.0319	88.15967	0.00011	?
72	6.462	VV	0.0726	272.12436	0.00034	?
73	6.767	VV	0.0554	1033.23230	0.00130	?
74	6.974	VV	0.0460	143.29903	0.00018	?
75	7.058	VV	0.0458	198.42326	0.00025	?
76	7.145	VV	0.0716	578.34814	0.00073	?
77	7.254	VV	0.0538	179.63829	0.00023	?
78	7.354	VV	0.0781	302.49103	0.00038	?
79	7.554	VV	0.0763	227.52174	0.00029	?
80	7.685	VV	0.0830	369.71732	0.00047	?
81	7.763	VV	0.0552	179.98282	0.00023	?
82	7.910	VV	0.0706	204.49318	0.00026	?
83	7.961	VV	0.0269	77.69667	9.807e-5	?
84	7.998	VV	0.0721	221.59904	0.00028	?
85	8.230	VV	0.1039	554.89752	0.00070	?
86	8.540	VV	0.0838	676.52435	0.00085	?
87	8.676	VV	0.0429	93.51601	0.00012	?
88	8.751	VV	0.0458	101.51603	0.00013	?
89	8.787	VV	0.0570	130.63741	0.00016	?
90	8.872	VV	0.0893	176.88965	0.00022	?
91	9.217	VV	0.0738	132.26147	0.00017	?
92	9.360	VV	0.0697	102.93969	0.00013	?
93	9.799	VV	0.0619	88.17816	0.00011	?
94	9.947	VV	0.0508	155.22934	0.00020	?
95	10.370	VV	0.1140	94.96949	0.00012	?
96	10.479	VV	0.0973	58.94436	7.440e-5	?
97	10.628	VV	0.0962	48.72283	6.150e-5	?
98	10.817	VV	0.1134	46.48375	5.867e-5	?

Uncalib. totals : 7.92192e7 99.9921

Results obtained with enhanced integrator!
3 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed

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*** End of Report ***

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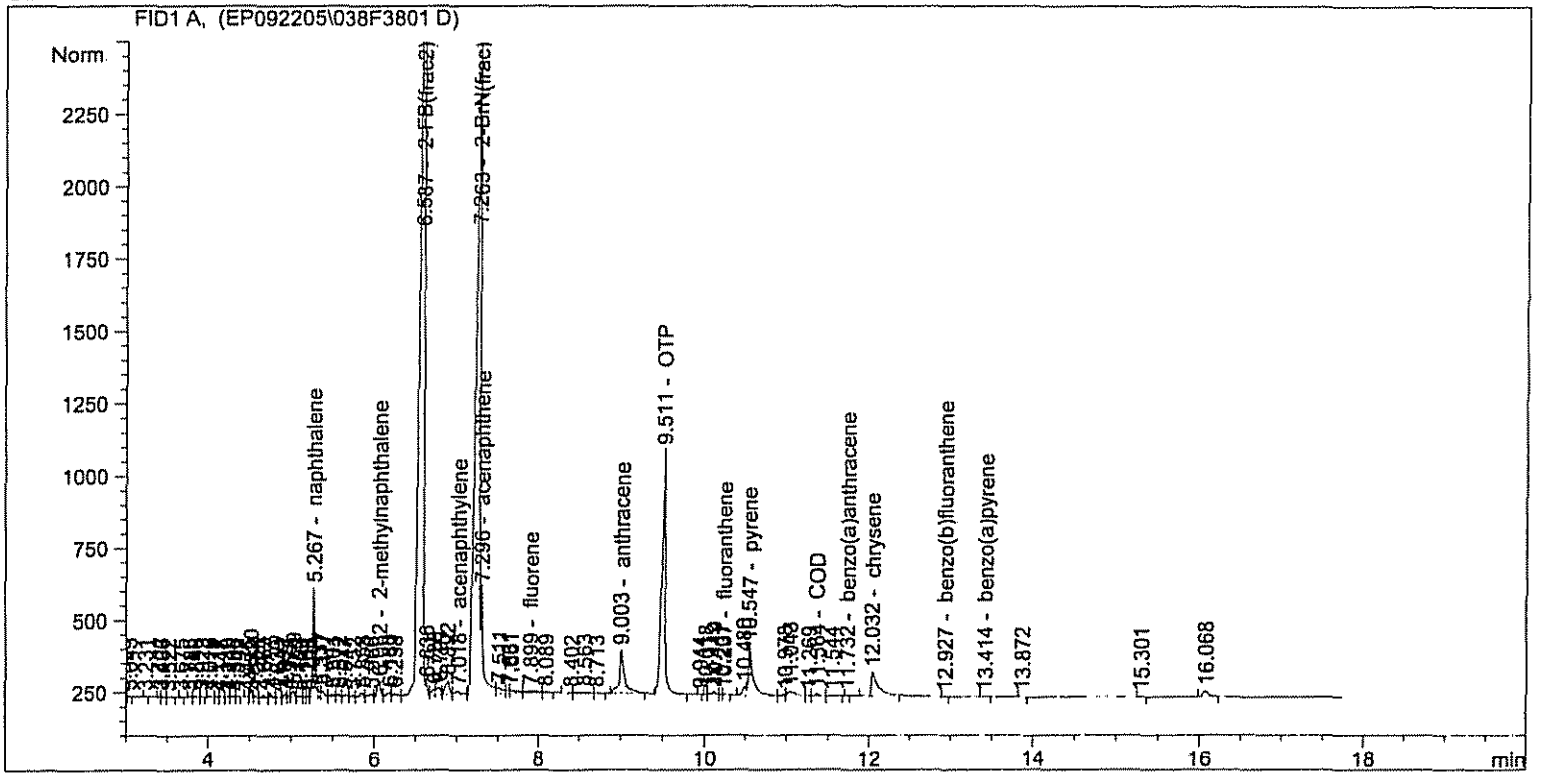
Injection Date	: 9/23/2005 1:56:52 AM	Seq. Line :	38
Sample Name	: 146963 x1 ms R	Location :	Vial 38
Acq. Operator	: DCS	Inj :	1
Acq. Instrument	: GC6	Inj Volume :	10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPH-R_F.M		
Last changed	: 9/23/2005 10:13:45 AM by DCS (modified after loading)		

TPH



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Area Percent Report

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Sorted By	:	Signal
Calib. Data Modified	:	9/23/2005 9:33:55 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	5.267	VV	0.0268	670.64075	0.00086	naphthalene
2	6.062	VV	0.0409	137.74988	0.00018	2-methylnaphthalene
3	6.587	VV	0.0442	1.13528e4	0.01452	2-FB(frac2)
4	7.018	VV	0.0709	80.74057	0.00010	acenaphthylene
5	7.263	VV	0.0500	8546.54980	0.01093	2-BrN(frac)
6	7.296	VV	0.0320	883.35425	0.00113	acenaphthene
7	7.899	VV	0.1349	83.12497	0.00011	fluorene
8	8.955		0.0000	0.00000	0.00000	phenanthrene
9	9.003	PB	0.0590	645.39752	0.00083	anthracene
10	9.511	PP	0.0390	2463.04736	0.00315	OTP
11	10.237	VB	0.0314	6.01266	7.690e-6	fluoranthene
12	10.547	VB	0.0520	680.35480	0.00087	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.364	VP	0.0342	20.90446	2.674e-5	COD
14	11.732	BB	0.0245	3.24701	4.153e-6	benzo(a)anthracene
15	12.032	VB	0.0778	498.99362	0.00064	chrysene
16	12.927	BP	0.0328	2.62389	3.356e-6	benzo(b)fluoranthene
17	13.215		0.0000	0.00000	0.00000	benzo(k)fluoranthene
18	13.414	BP	0.0453	4.03622	5.162e-6	benzo(a)pyrene
19	14.607		0.0000	0.00000	0.00000	dibenzo(a,h)anthracene
20	14.640		0.0000	0.00000	0.00000	indeno(1,2,3-cd)pyrene
21	14.817		0.0000	0.00000	0.00000	benzo(g,h,i)perylene

Totals : 2.60796e4 3.336e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.557	PV	0.0180	128.27477	0.00016	?
2	0.658	VV S	0.0122	1.32309e5	0.16923	?
3	1.769	VV S	0.9643	7.70084e7	98.49577	?
4	1.841	VV S	0.0189	8.85329e5	1.13236	?
5	1.929	VV S	0.0365	1.25660e4	0.01607	?
6	1.985	VV S	0.0417	1.08716e4	0.01391	?
7	2.046	VV S	0.0371	8953.82031	0.01145	?
8	2.085	VV S	0.0349	7504.04395	0.00960	?
9	2.120	VV S	0.0276	6511.91162	0.00833	?
10	2.153	VV S	0.0325	6770.50879	0.00866	?
11	2.198	VV S	0.0371	8442.41797	0.01080	?
12	2.245	VV S	0.0388	8345.93652	0.01067	?
13	2.293	VV S	0.0387	8325.18848	0.01065	?
14	2.351	VV S	0.0361	7059.83154	0.00903	?
15	2.403	VV S	0.0504	8608.97168	0.01101	?
16	2.456	VV S	0.0399	6418.81006	0.00821	?
17	2.490	VV S	0.0289	4656.43555	0.00596	?
18	2.530	VV S	0.0423	6551.32373	0.00838	?
19	2.580	VV S	0.0466	8104.25391	0.01037	?
20	2.636	VV S	0.0321	4232.39941	0.00541	?
21	2.678	VV S	0.0381	2929.01123	0.00375	?
22	2.727	VV S	0.0379	2123.12183	0.00272	?
23	2.756	VB S	0.0328	1548.97791	0.00198	?
24	2.968	BB	0.0275	2.12009	2.712e-6	?
25	3.043	BB	0.0183	4.53869	5.805e-6	?
26	3.231	BP	0.0183	1.54321	1.974e-6	?
27	3.402	PV	0.0178	5.93048	7.585e-6	?
28	3.436	VB	0.0246	8.68089	1.110e-5	?
29	3.522	BB	0.0421	5.94004	7.597e-6	?
30	3.675	PB	0.0198	4.73614	6.058e-6	?
31	3.785	PV	0.0228	4.90278	6.271e-6	?
32	3.848	VV	0.0286	10.18234	1.302e-5	?
33	3.923	VB	0.0205	5.88153	7.523e-6	?
34	4.016	BB	0.0237	9.99008	1.278e-5	?
35	4.117	BV	0.0219	3.39130	4.338e-6	?
36	4.148	VP	0.0194	2.34502	2.999e-6	?
37	4.240	BV	0.0232	6.88375	8.804e-6	?
38	4.306	VV	0.0371	9.83301	1.258e-5	?
39	4.349	VB	0.0269	3.97972	5.090e-6	?
40	4.476	PV	0.0243	5.07942	6.497e-6	?
41	4.520	VV	0.0205	47.37202	6.059e-5	?
42	4.564	VV	0.0244	8.57753	1.097e-5	?
43	4.669	VV	0.0415	25.39411	3.248e-5	?
44	4.755	VV	0.0266	30.38007	3.886e-5	?
45	4.839	VP	0.0200	2.71244	3.469e-6	?
46	4.927	PV	0.0251	21.72993	2.779e-5	?
47	4.975	VV	0.0251	14.38609	1.840e-5	?
48	5.029	VV	0.0318	56.07548	7.172e-5	?
49	5.100	VV	0.0421	16.51981	2.113e-5	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
50	5.164	VV	0.0252	4.47642	5.725e-6	?
51	5.208	VV	0.0260	8.19955	1.049e-5	?
52	5.337	VV	0.0249	36.06964	4.613e-5	?
53	5.377	VV	0.0347	54.51960	6.973e-5	?
54	5.501	VV	0.0516	33.00718	4.222e-5	?
55	5.572	VV	0.0316	20.50203	2.622e-5	?
56	5.647	VV	0.0401	16.69786	2.136e-5	?
57	5.752	VP	0.0384	16.73781	2.141e-5	?
58	5.858	VV	0.0450	38.70917	4.951e-5	?
59	5.966	VV	0.0575	29.38109	3.758e-5	?
60	6.180	VV	0.0429	37.96017	4.855e-5	?
61	6.238	VV	0.0509	28.91174	3.698e-5	?
62	6.636	VV	0.0266	78.05446	9.983e-5	?
63	6.728	VV	0.0403	58.06774	7.427e-5	?
64	6.791	VV	0.0488	94.86872	0.00012	?
65	6.892	VV	0.0471	173.75954	0.00022	?
66	7.511	VV	0.0729	115.26146	0.00015	?
67	7.631	VV	0.0332	30.28172	3.873e-5	?
68	7.661	VV	0.0849	86.49721	0.00011	?
69	8.089	VB	0.0573	13.49229	1.726e-5	?
70	8.402	VV	0.0488	9.30502	1.190e-5	?
71	8.563	VV	0.1069	43.17889	5.523e-5	?
72	8.713	VP	0.0301	3.15578	4.036e-6	?
73	9.944	BB	0.0208	1.44775	1.852e-6	?
74	10.018	BV	0.0224	2.01721	2.580e-6	?
75	10.119	VV	0.0424	38.28381	4.897e-5	?
76	10.201	VV	0.0293	4.72569	6.044e-6	?
77	10.480	PV	0.0454	88.52921	0.00011	?
78	10.978	BV	0.0484	16.63612	2.128e-5	?
79	11.043	VV	0.0819	93.48023	0.00012	?
80	11.269	VV	0.0421	3.99057	5.104e-6	?
81	11.544	VP	0.0222	1.79468	2.295e-6	?
82	13.872	BP	0.0349	2.83296	3.623e-6	?
83	15.301	BB	0.0368	10.16724	1.300e-5	?
84	16.068	BB	0.0632	87.42072	0.00011	?

Uncalib. totals : 7.81584e7 99.9666

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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*** End of Report ***

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Injection Date  : 9/23/2005 2:25:10 AM          Seq. Line :  39
Sample Name     : 146964 x1 msd K                Location : Vial 39
Acq. Operator   : DCS                                Inj :  1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 9/23/2005 10:16:50 AM by DCS
                  (modified after loading)
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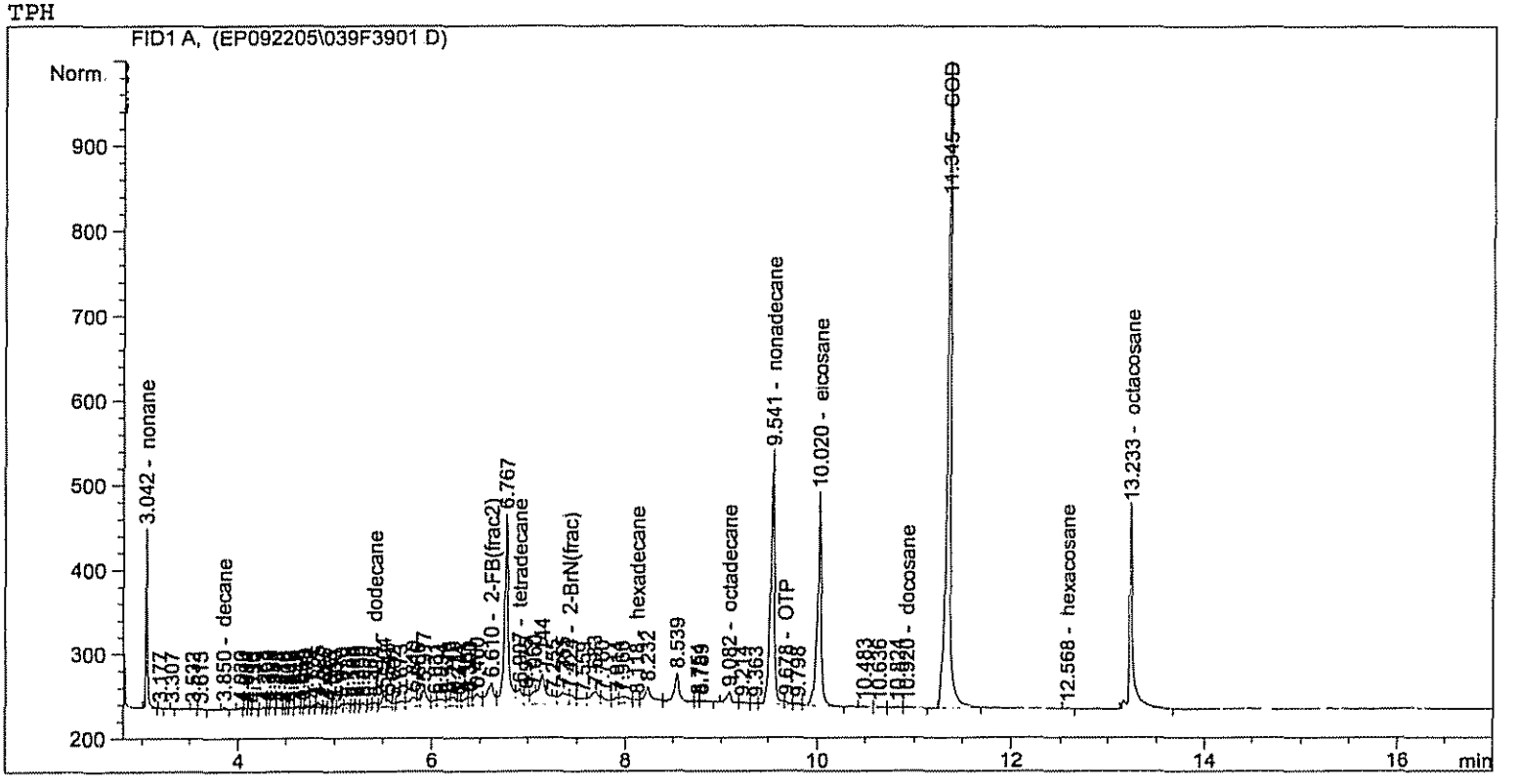
TPH

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==================================================================
                      Area Percent Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      9/20/2005 8:28:13 AM
Multiplier             :      1.0000
Dilution               :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.042	VV	0.0185	244.67612	0.00031	nonane
2	3.850	VV	0.0305	7.86716	1.008e-5	decane
3	5.414	VV	0.0414	17.29857	2.216e-5	dodecane
4	6.610	VV	0.0643	131.30553	0.00017	2-FB(frac2)
5	6.907	VV	0.0553	82.62602	0.00011	tetradecane
6	7.424	VV	0.0451	40.90795	5.239e-5	2-BrN(frac)
7	8.118	VV	0.0537	14.70764	1.884e-5	hexadecane
8	9.082	BV	0.0484	43.13501	5.525e-5	octadecane
9	9.541	VV	0.0376	783.59839	0.00100	nonadecane
10	9.678	VV	0.0435	11.72968	1.502e-5	OTP
11	10.020	VP	0.0390	690.42920	0.00088	eicosane
12	10.920	VP	0.0483	5.22542	6.693e-6	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.345	BB	0.0407	2286.76392	0.00293	COD
14	11.779		0.0000	0.00000	0.00000	tetracosane
15	12.568	VP	0.0381	2.79025	3.574e-6	hexacosane
16	13.233	BB	0.0412	640.81122	0.00082	octacosane
17	13.914		0.0000	0.00000	0.00000	triacontane
18	16.100		0.0000	0.00000	0.00000	hexatriacontane

Totals : 5003.87206 6.409e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.549	PV	0.0240	166.16997	0.00021	?
2	0.582	VV	0.0192	44.08197	5.646e-5	?
3	0.672	VV S	0.0218	3.83726e5	0.49147	?
4	1.808	VV S	0.9615	7.67319e7	98.27657	?
5	1.837	VV S	0.0179	8.37599e5	1.07278	?
6	1.926	VV S	0.0762	1.99128e4	0.02550	?
7	2.005	VV S	0.0402	9927.38379	0.01271	?
8	2.066	VV S	0.0393	9396.21191	0.01203	?
9	2.122	VV S	0.0560	1.12237e4	0.01438	?
10	2.171	VV S	0.0425	9002.01660	0.01153	?
11	2.304	VV S	0.0992	1.65446e4	0.02119	?
12	2.342	VV S	0.0435	6757.10010	0.00865	?
13	2.411	VV S	0.0426	7608.40381	0.00974	?
14	2.453	VV S	0.0273	3909.41504	0.00501	?
15	2.487	VV S	0.0357	5263.65576	0.00674	?
16	2.536	VV S	0.0303	4511.32275	0.00578	?
17	2.580	VV S	0.0654	7988.41504	0.01023	?
18	2.658	VV S	0.0295	2261.43652	0.00290	?
19	2.696	VV S	0.0382	1861.49048	0.00238	?
20	2.758	VBAS	0.0211	569.60590	0.00073	?
21	3.177	VV	0.0352	3.12542	4.003e-6	?
22	3.307	VV	0.0235	1.91927	2.458e-6	?
23	3.532	VV	0.0372	3.69320	4.730e-6	?
24	3.613	VP	0.0310	3.22940	4.136e-6	?
25	4.030	VV	0.0297	6.95576	8.909e-6	?
26	4.084	VV	0.0310	4.62308	5.921e-6	?
27	4.118	VV	0.0304	3.85325	4.935e-6	?
28	4.155	VP	0.0286	3.57929	4.584e-6	?
29	4.263	VV	0.0298	6.17191	7.905e-6	?
30	4.308	VV	0.0190	3.80375	4.872e-6	?
31	4.354	VV	0.0334	7.27928	9.323e-6	?
32	4.414	VV	0.0410	6.35148	8.135e-6	?
33	4.475	VV	0.0218	2.44694	3.134e-6	?
34	4.509	VV	0.0216	2.14184	2.743e-6	?
35	4.545	VV	0.0343	3.89080	4.983e-6	?
36	4.618	VV	0.0340	7.91376	1.014e-5	?
37	4.659	VV	0.0209	2.95504	3.785e-6	?
38	4.700	VV	0.0285	8.59556	1.101e-5	?
39	4.774	VV	0.0302	8.56768	1.097e-5	?
40	4.825	VV	0.0319	16.77552	2.149e-5	?
41	4.896	VV	0.0239	7.52428	9.637e-6	?
42	4.943	VV	0.0349	3.43012	4.393e-6	?
43	5.000	VV	0.0281	4.04409	5.180e-6	?
44	5.070	VV	0.0370	14.40070	1.844e-5	?
45	5.133	VV	0.0427	19.56591	2.506e-5	?
46	5.185	VV	0.0324	11.77670	1.508e-5	?
47	5.230	VV	0.0297	11.98514	1.535e-5	?
48	5.290	VV	0.0415	18.03774	2.310e-5	?
49	5.366	VV	0.0322	11.96589	1.533e-5	?
50	5.504	VV	0.0362	41.40149	5.303e-5	?
51	5.543	VV	0.0362	24.54661	3.144e-5	?
52	5.602	VV	0.0261	8.66923	1.110e-5	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
53	5.673	VV	0.0543	31.73538	4.065e-5	?
54	5.810	VV	0.0726	60.08475	7.696e-5	?
55	5.856	VV	0.0238	13.64188	1.747e-5	?
56	5.917	VV	0.0520	82.60219	0.00011	?
57	6.031	VV	0.0422	22.85333	2.927e-5	?
58	6.094	VV	0.0664	40.91639	5.240e-5	?
59	6.179	VV	0.0343	23.15004	2.965e-5	?
60	6.219	VV	0.0520	39.86779	5.106e-5	?
61	6.274	VV	0.0308	13.83949	1.773e-5	?
62	6.361	VV	0.0461	35.24116	4.514e-5	?
63	6.390	VV	0.0343	24.36519	3.121e-5	?
64	6.460	VV	0.0639	69.30145	8.876e-5	?
65	6.767	VV	0.0437	691.37756	0.00089	?
66	6.975	VV	0.0495	40.92769	5.242e-5	?
67	7.060	VV	0.0451	49.11929	6.291e-5	?
68	7.144	VV	0.0713	188.54564	0.00024	?
69	7.255	VV	0.0334	25.66322	3.287e-5	?
70	7.355	VV	0.0759	81.15811	0.00010	?
71	7.559	VV	0.0735	42.65217	5.463e-5	?
72	7.683	VV	0.0747	86.85496	0.00011	?
73	7.760	VV	0.0576	35.20668	4.509e-5	?
74	7.914	VV	0.0502	22.92445	2.936e-5	?
75	7.966	VV	0.0899	50.59150	6.480e-5	?
76	8.232	VV	0.0652	93.02331	0.00012	?
77	8.539	VV	0.0573	138.36884	0.00018	?
78	8.754	VV	0.0324	5.53728	7.092e-6	?
79	8.789	VB	0.0508	9.24972	1.185e-5	?
80	9.214	VP	0.0450	5.33108	6.828e-6	?
81	9.363	VV	0.0352	3.44205	4.408e-6	?
82	9.798	VV	0.0442	8.65549	1.109e-5	?
83	10.483	VV	0.0480	4.26182	5.458e-6	?
84	10.636	VP	0.0512	3.45654	4.427e-6	?
85	10.824	VV	0.0581	5.10537	6.539e-6	?

Uncalib. totals : 7.80725e7 99.9936

Results obtained with enhanced integrator!
3 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed

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*** End of Report ***

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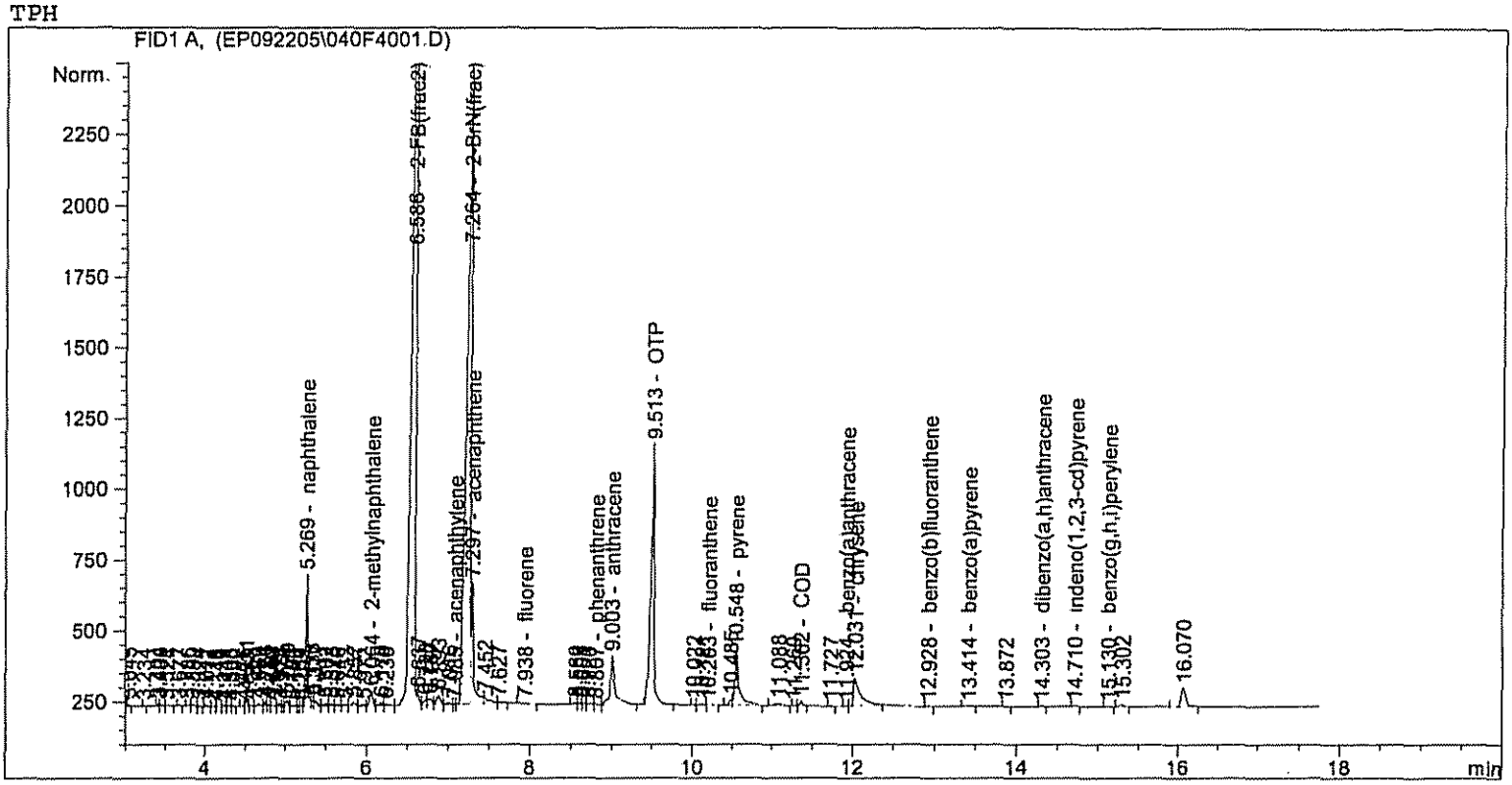
==================================================================
Injection Date  : 9/23/2005 2:52:11 AM          Seq. Line :  40
Sample Name     : 146964 x1 msd R                Location : Vial 40
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPH-R_F.M
Last changed    : 9/23/2005 10:13:45 AM by DCS
                  (modified after loading)
```

TPH

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==================================================================
                        Area Percent Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      9/23/2005 9:33:55 AM
Multiplier            :      1.0000
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	5.269	VV	0.0262	798.26404	0.00101	naphthalene
2	6.064	VV	0.0388	136.90945	0.00017	2-methylnaphthalene
3	6.586	VV	0.0477	1.12483e4	0.01430	2-FB(frac2)
4	7.085	VV	0.0209	1.62186	2.062e-6	acenaphthylene
5	7.264	VV	0.0465	8455.79883	0.01075	2-BrN(frac)
6	7.297	VV	0.0268	834.55469	0.00106	acenaphthene
7	7.938	PB	0.0755	12.43882	1.582e-5	fluorene
8	8.807	VP	0.0442	4.55443	5.791e-6	phenanthrene
9	9.003	VB	0.0577	723.12506	0.00092	anthracene
10	9.513	BB	0.0393	2688.61621	0.00342	OTP
11	10.203	VB	0.0623	6.32680	8.044e-6	fluoranthene
12	10.548	VP	0.0513	730.10553	0.00093	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.362	VB	0.0302	32.14897	4.088e-5	COD
14	11.924	VV	0.0311	2.24801	2.858e-6	benzo(a)anthracene
15	12.031	VB	0.0766	558.21954	0.00071	chrysene
16	12.928	BP	0.0340	3.63595	4.623e-6	benzo(b)fluoranthene
17	13.215		0.0000	0.00000	0.00000	benzo(k)fluoranthene
18	13.414	BP	0.0464	8.12972	1.034e-5	benzo(a)pyrene
19	14.303	BP	0.0326	4.44346	5.650e-6	dibenzo(a,h)anthracene
20	14.710	BB	0.0347	4.55266	5.789e-6	indeno(1,2,3-cd)pyrene
21	15.130	PB	0.0431	3.89986	4.959e-6	benzo(g,h,i)perylene

Totals : 2.62579e4 3.339e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.556	PV	0.0225	145.85019	0.00019	?
2	0.659	VV S	0.0123	1.37618e5	0.17498	?
3	1.805	VV S	0.9656	7.74317e7	98.45127	?
4	1.848	VV S	0.0191	9.15625e5	1.16418	?
5	1.934	VV S	0.0502	1.47934e4	0.01881	?
6	1.981	VV S	0.0436	1.15230e4	0.01465	?
7	2.043	VV S	0.0476	1.25006e4	0.01589	?
8	2.096	VV S	0.0361	9295.64355	0.01182	?
9	2.149	VV S	0.0499	1.05756e4	0.01345	?
10	2.195	VV S	0.0265	5973.64844	0.00760	?
11	2.244	VV S	0.0594	1.09996e4	0.01399	?
12	2.294	VV S	0.0317	6600.39258	0.00839	?
13	2.335	VV S	0.0348	6678.93555	0.00849	?
14	2.376	VV S	0.0457	8386.91211	0.01066	?
15	2.427	VV S	0.0314	5195.90088	0.00661	?
16	2.473	VV S	0.0660	1.09313e4	0.01390	?
17	2.571	VV S	0.0591	9142.35645	0.01162	?
18	2.617	VV S	0.0292	5041.96387	0.00641	?
19	2.652	VV S	0.0379	3673.02783	0.00467	?
20	2.688	VV S	0.0232	1890.41370	0.00240	?
21	2.719	VV S	0.0266	1606.31860	0.00204	?
22	2.758	VB S	0.0374	2116.25659	0.00269	?
23	2.970	BB	0.0211	1.99343	2.535e-6	?
24	3.045	BB	0.0181	7.23152	9.195e-6	?
25	3.234	PP	0.0163	1.74726	2.222e-6	?
26	3.404	PV	0.0172	7.76913	9.878e-6	?
27	3.438	VV	0.0261	10.12532	1.287e-5	?
28	3.524	VB	0.0370	6.27776	7.982e-6	?
29	3.677	PB	0.0186	5.62960	7.158e-6	?
30	3.786	PV	0.0220	5.43427	6.909e-6	?
31	3.850	VV	0.0278	9.66503	1.229e-5	?
32	3.924	VB	0.0216	6.48076	8.240e-6	?
33	4.017	BB	0.0219	10.95936	1.393e-5	?
34	4.118	BV	0.0222	3.71608	4.725e-6	?
35	4.148	VP	0.0199	2.60142	3.308e-6	?
36	4.241	BV	0.0244	6.90212	8.776e-6	?
37	4.308	VV	0.0339	9.16847	1.166e-5	?
38	4.350	VB	0.0268	4.10747	5.222e-6	?
39	4.476	PV	0.0258	5.73858	7.296e-6	?
40	4.521	VV	0.0204	46.63594	5.930e-5	?
41	4.565	VB	0.0239	8.16841	1.039e-5	?
42	4.669	BV	0.0384	21.02080	2.673e-5	?
43	4.756	VV	0.0211	19.17776	2.438e-5	?
44	4.785	VV	0.0204	7.74292	9.845e-6	?
45	4.840	VP	0.0212	2.15132	2.735e-6	?
46	4.928	BV	0.0285	19.66500	2.500e-5	?
47	4.973	VV	0.0233	10.63491	1.352e-5	?
48	5.029	VV	0.0315	51.96420	6.607e-5	?
49	5.100	VV	0.0385	15.67584	1.993e-5	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
50	5.164	VV	0.0229	2.86144	3.638e-6	?
51	5.209	VV	0.0240	5.21193	6.627e-6	?
52	5.336	VV	0.0263	36.54507	4.647e-5	?
53	5.377	VV	0.0362	48.89701	6.217e-5	?
54	5.502	VV	0.0469	29.92258	3.805e-5	?
55	5.573	VV	0.0322	17.39830	2.212e-5	?
56	5.646	VV	0.0411	13.22290	1.681e-5	?
57	5.752	VP	0.0361	11.97829	1.523e-5	?
58	5.857	VV	0.0415	34.89805	4.437e-5	?
59	5.972	VV	0.0524	21.13352	2.687e-5	?
60	6.179	VV	0.0410	33.45226	4.253e-5	?
61	6.236	VP	0.0489	20.43221	2.598e-5	?
62	6.637	VV	0.0260	74.32240	9.450e-5	?
63	6.728	VV	0.0390	43.04256	5.473e-5	?
64	6.787	VV	0.0517	69.49500	8.836e-5	?
65	6.893	VV	0.0466	113.46122	0.00014	?
66	7.016	VV	0.0477	28.55649	3.631e-5	?
67	7.452	VV	0.0586	103.23144	0.00013	?
68	7.627	VB	0.0594	17.92143	2.279e-5	?
69	8.560	BV	0.0426	14.02032	1.783e-5	?
70	8.608	VV	0.0335	10.00540	1.272e-5	?
71	8.651	VV	0.0303	4.30576	5.475e-6	?
72	8.720	VV	0.0461	5.26471	6.694e-6	?
73	10.022	BV	0.0251	5.56433	7.075e-6	?
74	10.121	VV	0.0437	16.04090	2.040e-5	?
75	10.485	BV	0.0398	51.44678	6.541e-5	?
76	11.088	BP	0.0680	40.13452	5.103e-5	?
77	11.269	BV	0.0321	2.88529	3.669e-6	?
78	11.727	BP	0.0269	4.70120	5.977e-6	?
79	13.872	BP	0.0340	4.42516	5.626e-6	?
80	15.302	BP	0.0442	25.51627	3.244e-5	?
81	16.070	BB	0.0583	284.22842	0.00036	?

Uncalib. totals : 7.86235e7 99.9666

Results obtained with enhanced integrator!
2 Warnings or Errors :

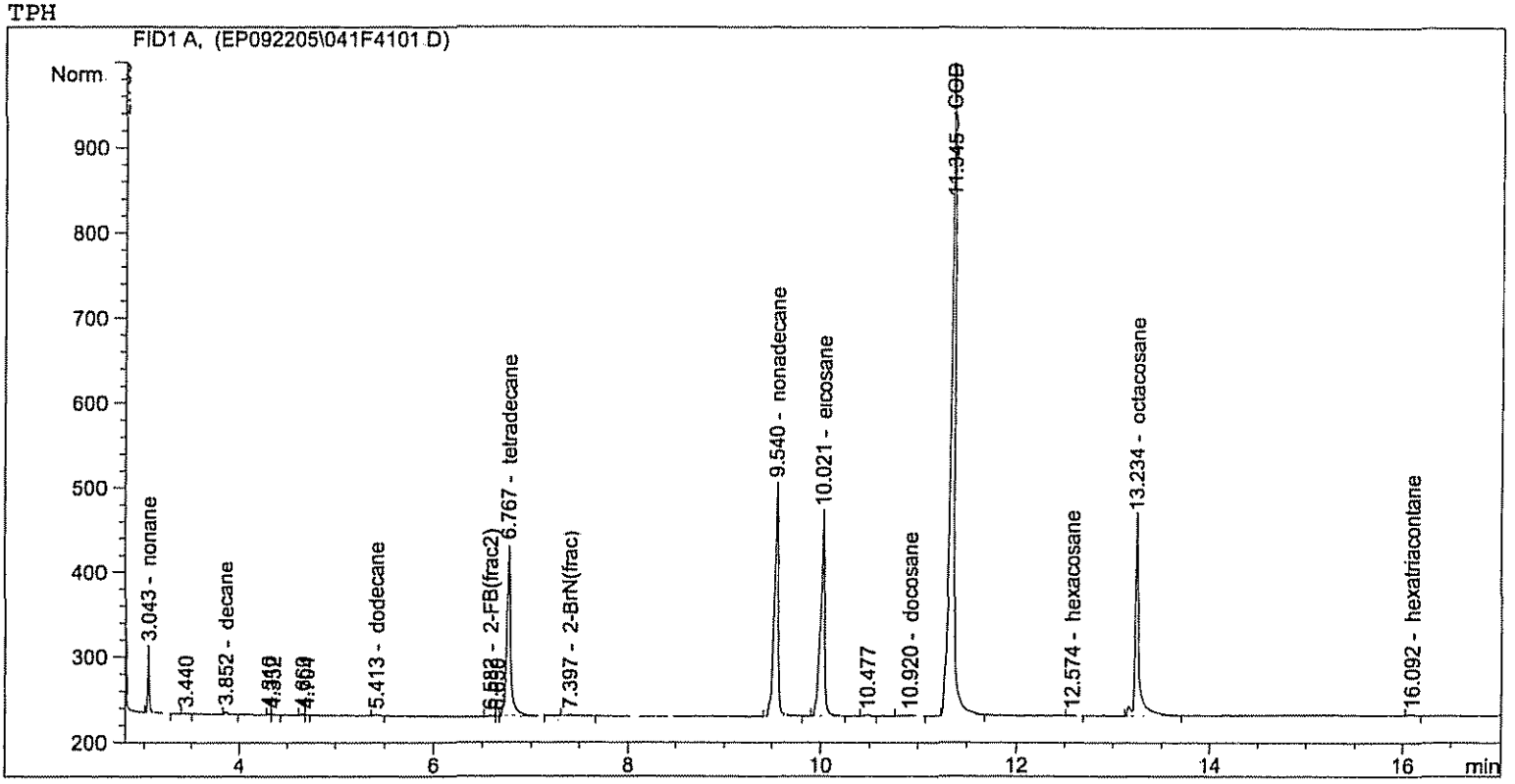
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

Injection Date	: 9/23/2005 3:19:11 AM	Seq. Line	: 41
Sample Name	: lcs3239 x1 K	Location	: Vial 41
Acq. Operator	: DCS 3239 JC 9/23	Inj	: 1
Acq. Instrument	: GC6	Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPHTK_F.M		
Last changed	: 9/23/2005 10:16:50 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	9/20/2005 8:28:13 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.043	VB	0.0178	91.75698	0.00012	nonane
2	3.852	VB	0.0326	9.39702	1.199e-5	decane
3	5.413	BB	0.0420	4.37355	5.578e-6	dodecane
4	6.582	BV	0.0583	6.06293	7.733e-6	2-FB(frac2)
5	6.767	VB	0.0420	586.16864	0.00075	tetradecane
6	7.397	BP	0.1043	8.89655	1.135e-5	2-BrN(frac)
7	8.095		0.0000	0.00000	0.00000	hexadecane
8	9.080		0.0000	0.00000	0.00000	octadecane
9	9.525		0.0000	0.00000	0.00000	OTP
10	9.540	VB	0.0404	766.83398	0.00098	nonadecane
11	10.021	VB	0.0369	659.36493	0.00084	eicosane
12	10.920	BB	0.0729	7.88501	1.006e-5	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.345	BB	0.0420	2528.71655	0.00323	COD
14	11.779		0.0000	0.00000	0.00000	tetracosane
15	12.574	VB	0.0332	2.68762	3.428e-6	hexacosane
16	13.234	BB	0.0417	641.82434	0.00082	octacosane
17	13.914		0.0000	0.00000	0.00000	triacontane
18	16.092	PB	0.0498	3.39859	4.335e-6	hexatriacontane

Totals : 5317.36669 6.782e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.543	VV	0.0191	180.59164	0.00023	?
2	0.630	VV S	0.0128	5102.39600	0.00651	?
3	0.666	VV S	0.0197	2.85281e5	0.36386	?
4	1.776	VV S	0.9628	7.70927e7	98.32655	?
5	1.842	VV S	0.0192	8.94803e5	1.14126	?
6	1.927	PV T	0.0706	3.01854e4	0.03850	?
7	1.971	VV T	0.0375	9808.02441	0.01251	?
8	2.011	VV T	0.0284	7447.04932	0.00950	?
9	2.059	VV T	0.0261	7620.95605	0.00972	?
10	2.092	VV T	0.0212	5040.18750	0.00643	?
11	2.134	VV T	0.0293	6786.91846	0.00866	?
12	2.154	VV T	0.0215	3812.47998	0.00486	?
13	2.190	VV T	0.0330	5895.91943	0.00752	?
14	2.241	VV T	0.0392	8194.60254	0.01045	?
15	2.319	VV T	0.0449	9993.10059	0.01275	?
16	2.375	VV T	0.0338	6073.29785	0.00775	?
17	2.436	VV T	0.0292	4556.34277	0.00581	?
18	2.472	VV T	0.0217	2440.20483	0.00311	?
19	2.516	VV T	0.0396	4310.61084	0.00550	?
20	2.566	VB T	0.0520	7150.38721	0.00912	?
21	2.766	VBAS	0.0405	2047.91492	0.00261	?
22	3.440	PV	0.0322	2.41993	3.086e-6	?
23	4.310	VV	0.0199	2.70079	3.445e-6	?
24	4.352	VB	0.0273	2.03994	2.602e-6	?
25	4.660	VV	0.0313	3.72461	4.750e-6	?
26	4.704	VV	0.0266	2.03343	2.594e-6	?
27	6.650	VV	0.0262	2.01954	2.576e-6	?
28	10.477	BP	0.0554	4.03568	5.147e-6	?

Uncalib. totals : 7.83994e7 99.9932

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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*** End of Report ***

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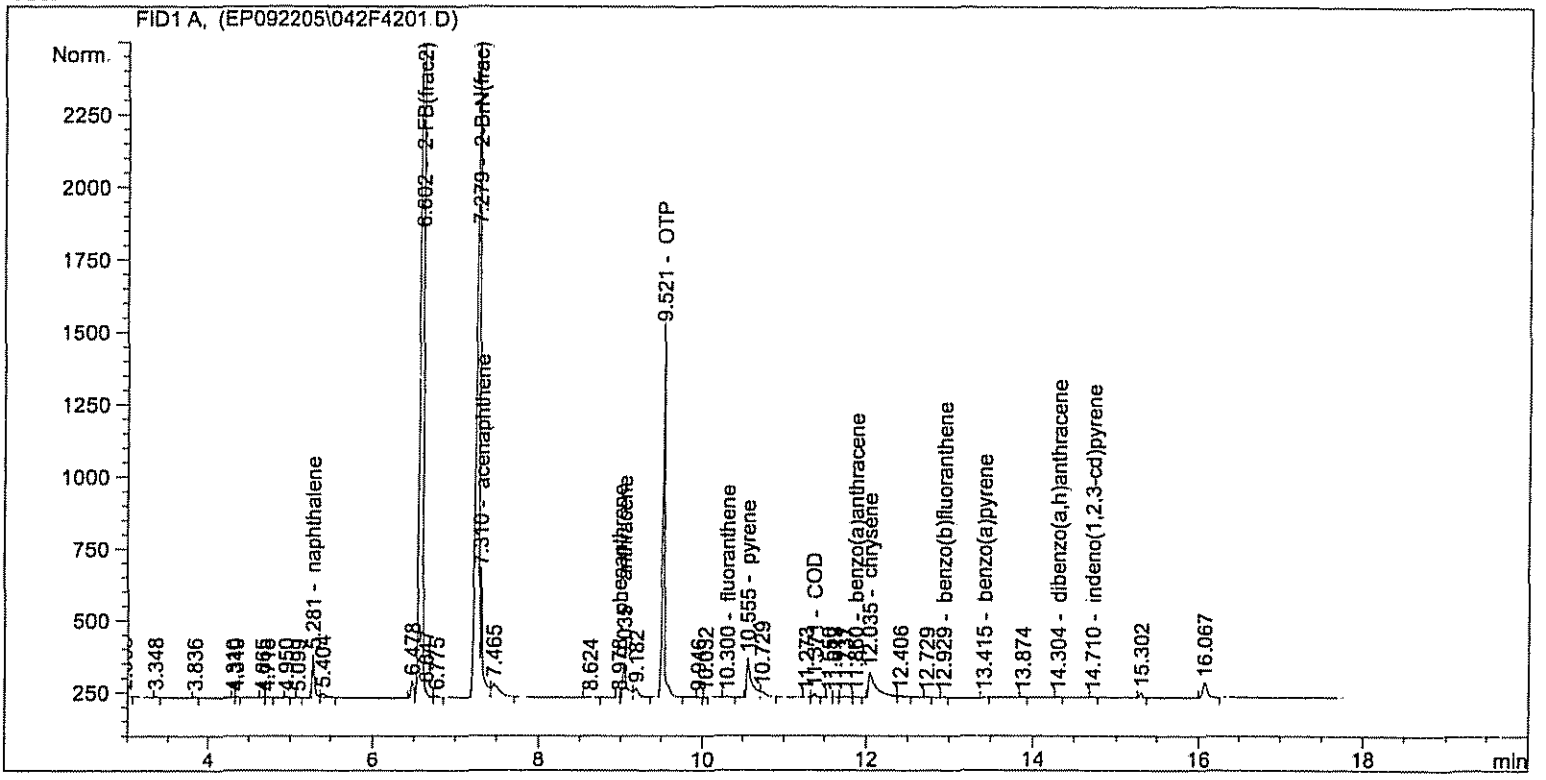
Injection Date : 9/23/2005 3:46:53 AM
Sample Name : lcs3238 x1 R
Acq. Operator : DCS
Acq. Instrument : GC6
Acq. Method : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed : 5/12/2005 1:48:41 PM by CLP
Analysis Method : C:\HPCHEM\1\METHODS\EPH-R_F.M
Last changed : 9/23/2005 10:13:45 AM by DCS
(modified after loading)

Seq. Line : 42
Location : Vial 42
Inj : 1
Inj Volume : 10 µl

TPH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 9/23/2005 9:33:55 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	5.281	PV	0.0314	306.91464	0.00049	naphthalene
2	6.068		0.0000	0.00000	0.00000	2-methylnaphthalene
3	6.602	VV	0.0379	8970.28906	0.01442	2-FB(frac2)
4	7.158		0.0000	0.00000	0.00000	acenaphthylene
5	7.279	PV	0.0369	6578.13672	0.01057	2-BrN(frac)
6	7.310	VV	0.0243	759.98285	0.00122	acenaphthene
7	7.920		0.0000	0.00000	0.00000	fluorene
8	8.978	PV	0.0241	3.93967	6.333e-6	phenanthrene
9	9.035	VV	0.0516	410.56213	0.00066	anthracene
10	9.521	BB	0.0263	2347.42334	0.00377	OTP
11	10.300	PP	0.0529	7.41576	1.192e-5	fluoranthene
12	10.555	BV	0.0556	558.45831	0.00090	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.371	BB	0.0319	26.05337	4.188e-5	COD
14	11.860	BB	0.0310	3.66173	5.886e-6	benzo(a)anthracene)
15	12.035	PV	0.0858	566.20453	0.00091	chrysene
16	12.929	BB	0.0299	4.16830	6.700e-6	benzo(b)fluoranthene
17	13.215		0.0000	0.00000	0.00000	benzo(k)fluoranthene
18	13.415	PB	0.0331	6.06142	9.744e-6	benzo(a)pyrene
19	14.304	PP	0.0299	4.28025	6.880e-6	dibenzo(a,h)anthracene
20	14.710	BB	0.0347	4.24338	6.821e-6	indeno(1,2,3-cd)pyrene
21	14.817		0.0000	0.00000	0.00000	benzo(g,h,i)perylene

Totals : 2.05578e4 3.305e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	1.527	BV S	0.7549	5.77442e7	92.82163	?
2	1.571	VV S	0.0193	9.39628e5	1.51042	?
3	1.609	VV S	0.0461	2.40901e5	0.38724	?
4	1.706	VV S	0.0922	4.23684e5	0.68106	?
5	1.771	VV S	0.0275	1.52274e5	0.24477	?
6	1.800	VV S	0.0333	1.27371e5	0.20474	?
7	1.841	VV S	0.0293	1.40260e5	0.22546	?
8	1.882	VV S	0.0395	1.88621e5	0.30320	?
9	1.932	VV S	0.0432	1.91498e5	0.30783	?
10	1.993	VV S	0.0353	1.59331e5	0.25612	?
11	2.030	VV S	0.0261	9.71299e4	0.15613	?
12	2.075	VV S	0.0366	1.65118e5	0.26542	?
13	2.114	VV S	0.0320	1.21005e5	0.19451	?
14	2.159	VV S	0.0428	1.66716e5	0.26799	?
15	2.218	VV S	0.0328	1.26042e5	0.20261	?
16	2.261	VV S	0.0517	1.62862e5	0.26180	?
17	2.328	VV S	0.0444	1.66732e5	0.26802	?
18	2.375	VV S	0.0313	1.04231e5	0.16755	?
19	2.411	VV S	0.0335	9.98893e4	0.16057	?
20	2.457	VV S	0.0307	1.05676e5	0.16987	?
21	2.491	VV S	0.0245	8.79622e4	0.14140	?
22	2.530	VV S	0.0384	1.07829e5	0.17333	?
23	2.575	VV S	0.0301	1.05409e5	0.16944	?
24	2.627	VV S	0.0741	2.05754e5	0.33074	?
25	2.717	VV S	0.0238	2.34324e4	0.03767	?
26	2.757	VB S	0.0388	3.46199e4	0.05565	?
27	2.963	BB X	0.0198	3.02939	4.870e-6	?
28	3.348	PP	0.0223	8.49510	1.366e-5	?
29	3.836	PB	0.0224	7.03891	1.131e-5	?
30	4.310	BV	0.0197	1.66090	2.670e-6	?
31	4.349	VB	0.0233	4.40291	7.078e-6	?
32	4.665	PV	0.0300	3.15636	5.074e-6	?
33	4.718	VB	0.0389	6.60999	1.063e-5	?
34	4.950	PB	0.0234	6.26767	1.008e-5	?
35	5.099	PB	0.0245	1.93639	3.113e-6	?
36	5.404	VB	0.0554	61.34463	9.861e-5	?
37	6.478	PV	0.0352	126.53274	0.00020	?
38	6.647	VV	0.0265	62.61703	0.00010	?
39	6.775	VB	0.0361	16.59985	2.668e-5	?
40	7.465	VB	0.0738	276.85526	0.00045	?
41	8.624	PP	0.0620	9.20407	1.480e-5	?
42	9.182	VB	0.0561	130.29678	0.00021	?
43	9.946	BP	0.0319	2.40239	3.862e-6	?
44	10.032	BV	0.0235	2.48443	3.994e-6	?
45	10.729	VB	0.0575	85.58360	0.00014	?
46	11.273	BB	0.0299	2.23943	3.600e-6	?
47	11.550	PV	0.0334	3.32773	5.349e-6	?
48	11.613	VB	0.0268	1.86403	2.996e-6	?
49	11.737	BB	0.0365	7.23188	1.162e-5	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
50	12.406	VB	0.0626	26.81201	4.310e-5	?
51	12.729	PP	0.0298	2.96129	4.760e-6	?
52	13.874	BB	0.0303	5.02392	8.076e-6	?
53	15.302	BB	0.0369	39.70810	6.383e-5	?
54	16.067	PB	0.0629	215.60179	0.00035	?

Uncalib. totals : 6.21893e7 99.9670

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========
*** End of Report ***

EPH Prep, Standard, Run Logs

Paradigm Analytical

ECD1 Runlog Sheet

Method: _____ Initial Cal. Curve: _____

Matrix: _____ Batch: ep080105

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001F0101.D	K 20 ccal	8/1/05 8:47					DCS	
002F0201.D	R 20 ccal	8/1/05 9:14					DCS	
003F0101.D	pb3329	8/1/05 16:23					DCS	
004F0201.D	pb3335	8/1/05 16:51					DCS	
005F0301.D	G161-2083-1O x1 T	8/1/05 17:17	cid= 146954	✓			DCS	
006F0401.D	G161-2085-1N x1 T	8/1/05 17:45	cid= 146955	✓			DCS	
007F0501.D	G161-2086-1J x1 T	8/1/05 18:12	cid= 146956	✓			DCS	
008F0601.D	G122-2627-1Q x1 T	8/1/05 18:39	cid= 146960				DCS	C ✓
009F0701.D	G311-130-1O x1 T	8/1/05 19:07	cid= 146961	✓			DCS	✓
010F0801.D	G111-769-1I x1 T	8/1/05 19:34	cid= 146962				DCS	C ✓
011F0901.D	G128-1573-3G x1 T	8/1/05 20:02	cid= 147463				DCS	C ✓
012F1001.D	G122-2628-2I x1 T	8/1/05 20:29	cid= 147460	RR			DCS	
013F1101.D	G122-2628-8I x1 T	8/1/05 20:56	cid= 147461				DCS	C ✓
014F1201.D	G122-2628-9I x1 T	8/1/05 21:23	cid= 147462				DCS	C ✓
015F1301.D	G349-109-2E x1 T	8/1/05 21:50	cid= 146965				DCS	C ✓
016F1401.D	G349-109-4E x1 T	8/1/05 22:17	cid= 147464	✓			DCS	
017F1501.D	G349-109-8D x1 T	8/1/05 22:44	cid= 147465	✓			DCS	
018F1601.D	G349-109-10E x1 T	8/1/05 23:12	cid= 147466	✓			DCS	
019F1701.D	G349-109-11E x1 T	8/1/05 23:39	cid= 147467	✓			DCS	
020F1801.D	G349-109-12E x1 T	8/2/05 0:05	cid= 147468				DCS	C ✓
021F1901 D	G349-109-13E x1 T	8/2/05 0:32	cid= 147469				DCS	C ✓
022F2001.D	G349-109-13F x1 dup T	8/2/05 1:00	cid= 147470				DCS	C ✓

Analyst: _____ Page Number: _____

Semi-Volatile Standards Logbook

Paradigm Analytical

Logbook ID: ECD03

Working

Page: W15

Item	PAL STD ID	Exp. Date	Description	Vol. / Wt. Initial	Vol. / Wt. Final	Conc. Initial	Conc. Final	Solvent	New Standard Description	Exp. Date	Date	Init.
A	ECD03-R7M	6/23/06	EPH Aliphatic	1mL	2 mL	1000ug/mL	40ug/mL	Hex		6/23/05	6/23/05	DC
B	ECD03-R7P	6/27/06	8081 Internal Std	1mL	10mL	100ug/mL	10ug/mL	Hex		6/27/06	6/27/05	CP
C	ECD03-R7R	6/29/06	Diesel Fuel #2	1mL	50mL	50,000ug/mL	1000ug/mL	CH2Cl2		6/29/06	6/29/05	DS
D	ECD03-R6O	8/25/05	EDB Std	17.5mL	50mL	200ug/mL	70ug/L	Hexane		8/25/05	7/12/05	CP
E	ECD03-R7S	7/18/06	Aromatic Std	400uL	~~20mL~~ 10mL	1000ug/mL	40ug/mL	Hex	Aromatic EPH	7/18/06	7/18/05	DCS
F	ECD03-W12Q	↓	Frac	400uL	10mL	1000ug/mL	↓	↓	↓	↓	↓	↓
G	SV03-~~R7K~~05	↓	EPH Surr	~~2mL~~ 1mL	↓	400ug/mL	↓	↓	↓	↓	↓	↓
H	SV03-R7T	7/21/06	1254 Std	200uL	50mL	1000ug/mL	4000ug/L	Hexane		7/21/06	7/22/05	CP
I			8080 Surr	10uL	↓	2000ug/mL	400ug/L	↓		↓	↓	↓
J	SV03-R7U	7/22/06	1016/1260 Std	200uL	50mL	1000ug/mL	4000ug/L	Hexane		7/22/06	7/22/05	CP
K		↓	8080 Surr	10uL	↓	2000ug/mL	400ug/L	↓		↓	↓	↓
L	SV03-R7V	8/2/06	Herb IS	400uL	10mL	250ug/mL	10ug/mL	Hexane		8/2/06	8/2/05	CP
M	SV03-R7W	8/9/06	8082 IS (DCB)	500uL	10mL	200ug/mL	10ug/mL	Hexane		8/9/06	8/9/05	CP
N	SV03-R7X	8/9/06	8081 ICAL Std	50uL	50mL	200ug/mL	200ug/L	Hexane		8/9/06	8/9/05	CP
O	~~SV03~~ ECD03-R6U	12/24/06	Herb ICAL Std	50uL	25mL	200ug/mL	400ug/L	Hexane		12/05	8/18/05	CP
P	ECD03-R6W	12/26/05	↓	↓	↓	2000ug/mL	4000ug/L	↓		↓	↓	↓
Q	ECD03-R6U	1/19/06	↓	↓	↓	20000ug/mL	40000ug/L	↓		↓	↓	↓
R	ECD03-R6R	12/29/05	↓	↓	↓	200ug/mL	400ug/L	↓		↓	↓	↓
S	ECD03-R7D	4/21/06	Herb CCAL Std	50uL	25mL	200ug/mL	400ug/L	Hexane		4/06	5/18/06	CP
T	ECD03-R7V	8/9/06	8082/8081 IS	500uL	10mL	200ug/mL	10ug/mL	Hexane		8/06	8/23/05	CP
U	ECD03-R7Y	8/23/06	↓	50uL	↓	5000ug/mL	↓	↓		↓	↓	↓
V	ECD03-R7Z	9/6/06	1016/1260 Std	200uL	50mL	1000ug/mL	4000ug/L	Hexane		9/6/06	9/6/05	CP
W	–	—	8080 Surr	10uL	↓	2000ug/mL	400ug/L	↓		↓	↓	↓

Comments:

Notes: PAL Lot#'s are "yyzz-SVaa-bb-c" where yy is the surrogate or spike test method, zz is SR for a surrogate or QC for a spike, aa is the logbook number,bbb is the page number, and c is the item identifier.

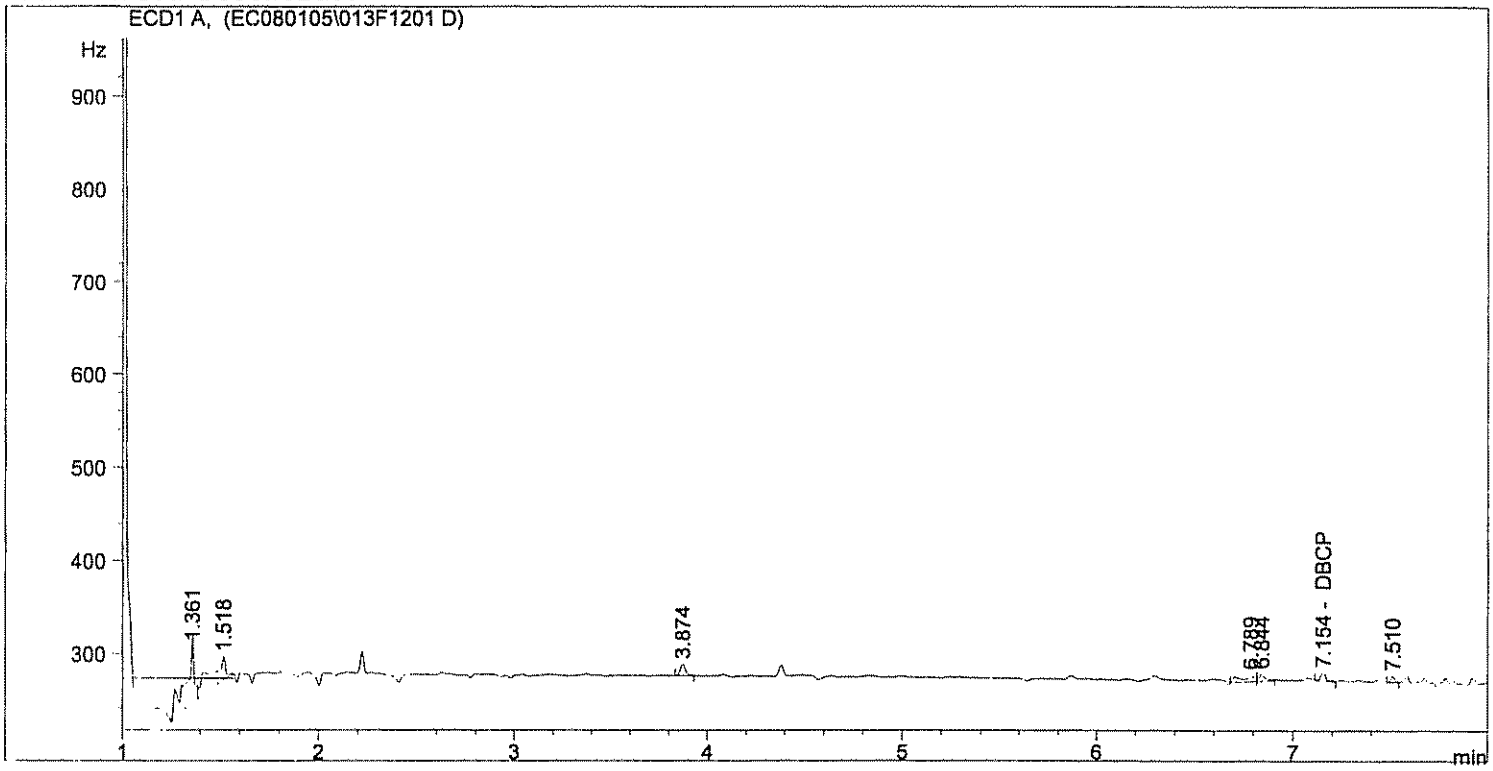
Prep Report for Batch 3329 (EPH/3520/WATER) on 2005-07-29

Sample ID (GCCODE)	EXT	InitVol	QCSpikeID	QCSpikeVol	SSpikeID	SSpikeVol	FinalVol	CH2Cl2Lot	HexaneLot	Analyst
G111-769-1I (146962)		500			ephsrsvo3w17m	.5	5	co493	co232	nio
G111-769-1J (146963)	ms	237	ephqcsvo3n34	.5	ephsrsvo3w17m	.5	5	co493	co232	nio
G111-769-1K (146964)	msd	237	ephqcsvo3n34	.5	ephsrsvo3w17m	.5	5	co493	co232	nio
G122-2627-1Q (146960)		500			ephsrsvo3w17m	.5	5	co493	co232	nio
G161-2083-1O (146954)		500			ephsrsvo3w17m	.5	5	co493	co232	nio
G161-2085-1N (146955)		500			ephsrsvo3w17m	.5	5	co493	co232	nio
G161-2086-1J (146956)		500			ephsrsvo3w17m	.5	5	co493	co232	nio
G161-2088-2O (146957)		500			ephsrsvo3w17m	.5	5	co493	co232	nio
G161-2088-3M (146958)		500			ephsrsvo3w17m	.5	5	co493	co232	nio
G161-2088-4M (146959)		500			ephsrsvo3w17m	.5	5	co493	co232	nio
G311-130-1O (146961)		500			ephsrsvo3w17m	.5	5	co493	co232	nio
G349-109-2E (146965)		500			ephsrsvo3w17m	.5	5	co493	co232	nio
lcs3329	lcs	500	ephqcsvo3n34	.5	ephsrsvo3w17m	.5	5	co493	co232	nio
pb3329	pb	500			ephsrsvo3w17m	.5	5	co493	co232	nio

EDB Sample Raw Data

161-2085

```
==========================================================================
Injection Date  : 08/01/05 09:28:28 PM          Seq. Line :  12
Sample Name     : G161-2085-1O x1                Location : Vial 13
Acq. Operator   : clp                                 Inj :   1
                                               Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\EDB.M
Last changed    : 05/20/05 09:54:39 AM by clp
Analysis Method : C:\HPCHEM\1\DATA\EC071805\EDB.M
Last changed    : 08/02/05 09:24:41 AM by clp
                  (modified after loading)
Chlorinated Pesticides
```




```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Tuesday, August 02, 2005 08:47:13 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]          [Hz*s]                [ng/ul]
-------|------|----------|----------|----------|--|------------------
  2.311            -          -          -          EDB
  4.176            -          -          -          1,2,3-TCP
  7.154 BP       18.57602    0.00000    0.00000     DBCP

Totals :                                 0.00000

 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibrated compound(s) not found
Warning : Negative results set to zero (cal. curve intercept), (DBCP)

==========================================================================
                          *** End of Report ***
```

CP 8/5

EDB Calibration Raw Data

Calibration Table

8081 Pesticides

Calib. Data Modified : 08/02/05 09:27:36 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
2.311	1	1	2.00000e-2	27.90588	7.16695e-4			EDB
		2	1.00000e-1	151.19484	6.61398e-4			
		3	5.00000e-1	640.04474	7.81195e-4			
		4	1.00000	1395.90015	7.16384e-4			
		6	4.00000	5469.95166	7.31268e-4			
4.176	1	2	1.00000e-1	32.41941	3.08457e-3			1,2,3-TCP
		3	5.00000e-1	146.76463	3.40682e-3			
		4	1.00000	319.85562	3.12641e-3			
		5	2.00000	605.87964	3.30099e-3			
		6	4.00000	1151.45422	3.47387e-3			
7.029	1	1	2.00000e-2	46.51839	4.29937e-4			DBCP
		2	1.00000e-1	227.36732	4.39817e-4			
		3	5.00000e-1	1018.45917	4.90938e-4			
		4	1.00000	2105.41479	4.74966e-4			
		5	2.00000	4068.76416	4.91550e-4			
		6	4.00000	7706.38232	5.19050e-4			

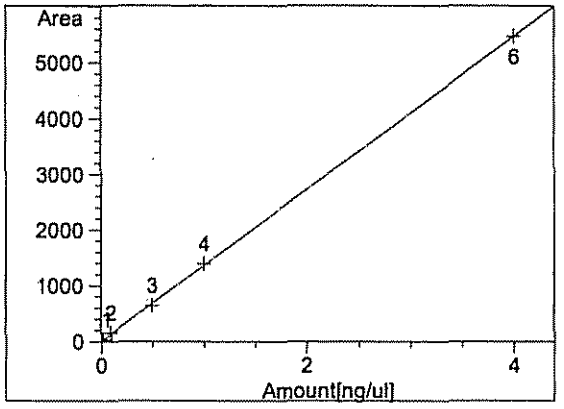
Peak Sum Table

No Entries in table

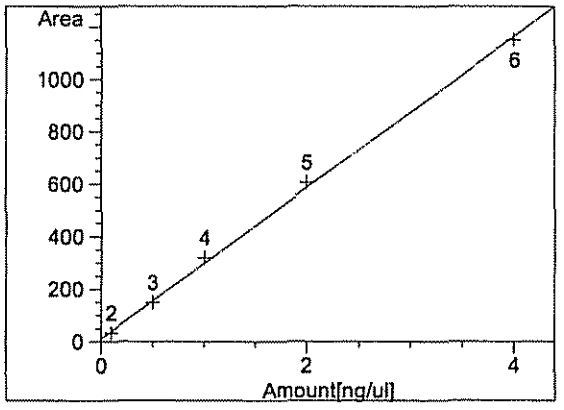
==========

Calibration Curves

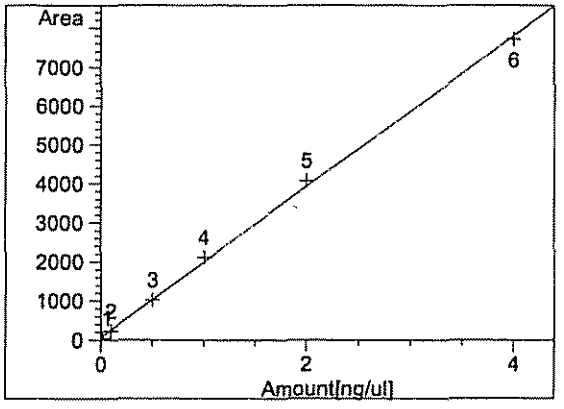
==========



EDB at exp. RT: 2.311
ECD1 A,
Correlation: 0.99993
Residual Std. Dev.: 27.01915
Formula: y = mx + b
m: 1368.17855
b: -6.94368e-1
x: Amount [ng/ul]
y: Area



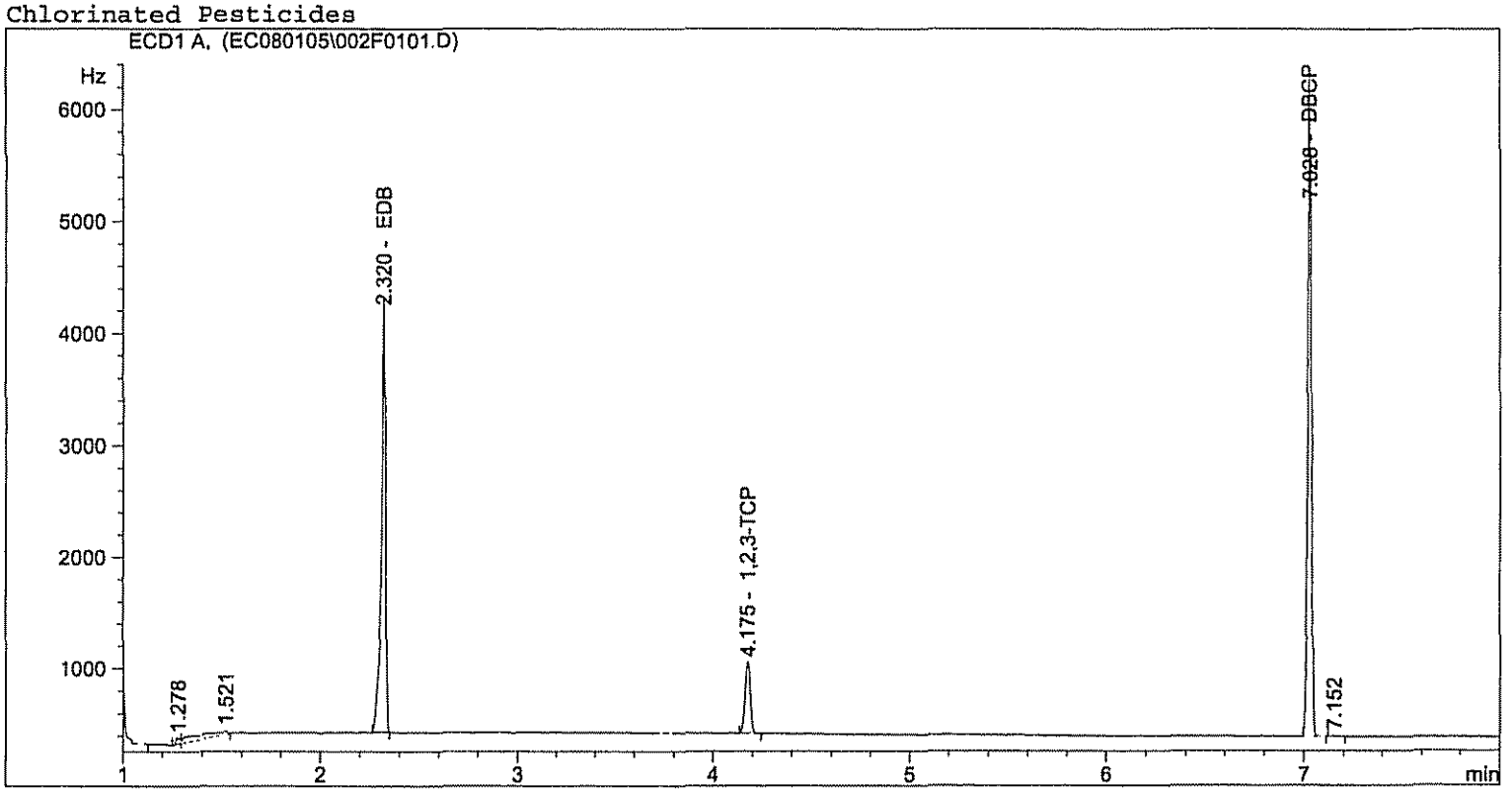
1,2,3-TCP at exp. RT: 4.176
ECD1 A,
Correlation: 0.99940
Residual Std. Dev.: 17.06535
Formula: y = mx + b
m: 288.47991
b: 10.65437
x: Amount [ng/ul]
y: Area



DBCP at exp. RT: 7.029
ECD1 A,
Correlation: 0.99951
Residual Std. Dev.: 97.25032
Formula: y = mx + b
m: 1934.71942
b: 61.47774
x: Amount [ng/ul]
y: Area

==========

```
==================================================================
Injection Date  : 08/01/05 05:34:52 PM          Seq. Line :   1
Sample Name     : EDB 4                          Location : Vial 2
Acq. Operator   : clp                                 Inj :   1
                                                 Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\EDB.M
Last changed    : 05/20/05 09:54:41 AM by clp
Analysis Method : C:\HPCHEM\1\DATA\EC071805\EDB.M
Last changed    : 08/03/05 11:33:23 AM by clp
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      08/02/05 09:27:36 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.320	BBAS	5469.95166	7.30992e-4	3.99849		EDB
4.175	BB	1151.63477	3.43438e-3	3.95515		1,2,3-TCP
7.028	BB S	7706.38232	5.12747e-4	3.95143		DBCP

Totals : 11.90506

Results obtained with enhanced integrator!

==========

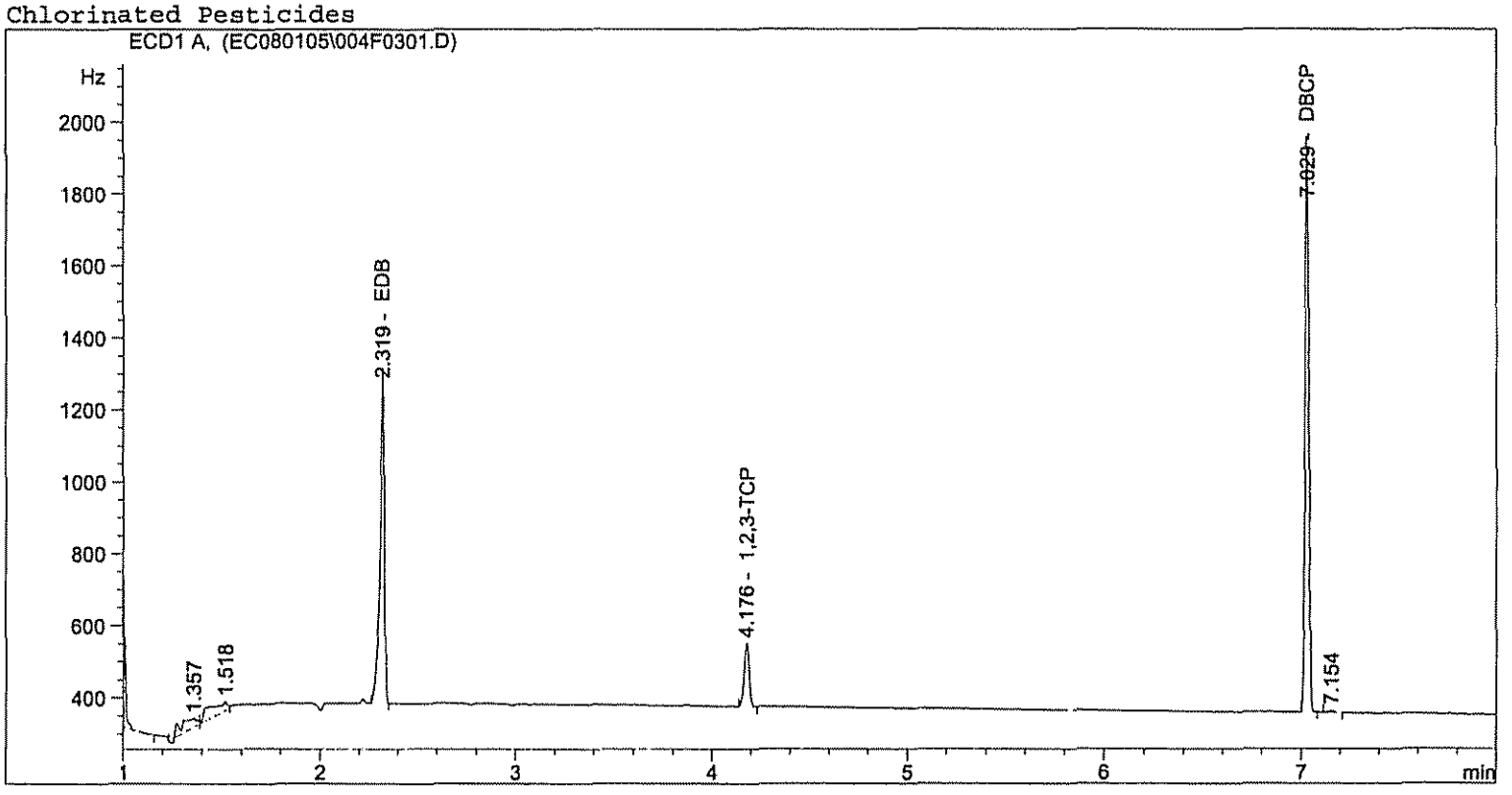
*** End of Report ***

==========

Injection Date : 08/01/05 06:17:14 PM
Sample Name : EDB 1
Acq. Operator : clp

Seq. Line : 3
Location : Vial 4
Inj : 1
Inj Volume : 2 µl

Acq. Method : C:\HPCHEM\1\METHODS\EDB.M
Last changed : 05/20/05 09:54:39 AM by clp
Analysis Method : C:\HPCHEM\1\DATA\EC071805\EDB.M
Last changed : 08/03/05 11:33:23 AM by clp
Chlorinated Pesticides



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 08/02/05 09:27:36 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.319	BBA	1395.90015	7.31262e-4	1.02077		EDB
4.176	BB	319.85562	3.35098e-3	1.07183		1,2,3-TCP
7.029	BB	2105.41479	5.01778e-4	1.05645		DBCP

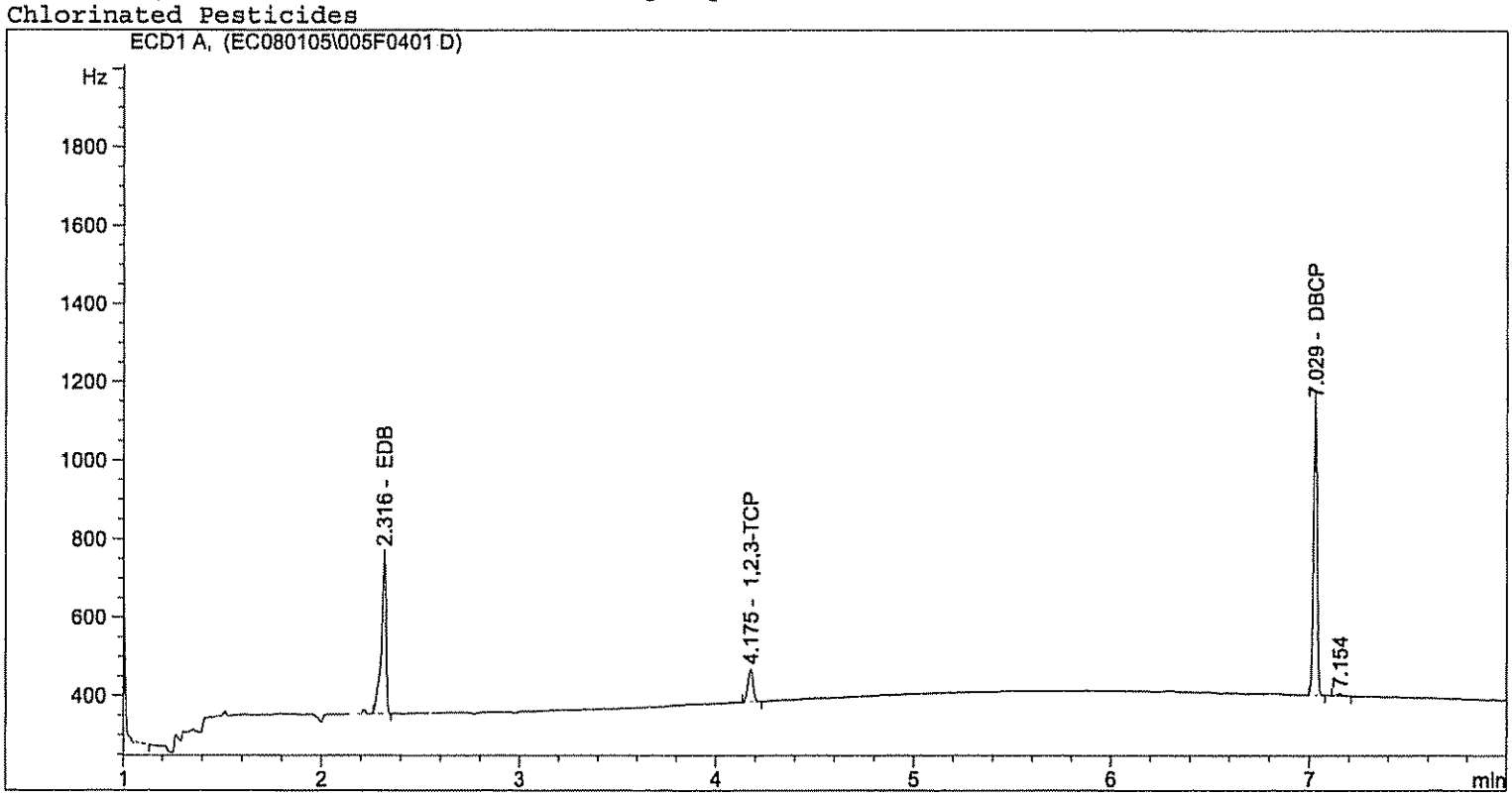
Totals : 3.14905

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 08/01/05 06:38:18 PM          Seq. Line :   4
Sample Name     : EDB 0.5                        Location : Vial 5
Acq. Operator   : clp                                 Inj :   1
                                                Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\EDB.M
Last changed    : 05/20/05 09:54:39 AM by clp
Analysis Method : C:\HPCHEM\1\DATA\EC071805\EDB.M
Last changed    : 08/03/05 11:33:23 AM by clp
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      08/02/05 09:27:36 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.316	BBA	640.04474	7.31692e-4	4.68315e-1		EDB
4.175	BB	146.76463	3.21480e-3	4.71819e-1		1,2,3-TCP
7.029	BB	1018.45917	4.85671e-4	4.94636e-1		DBCP

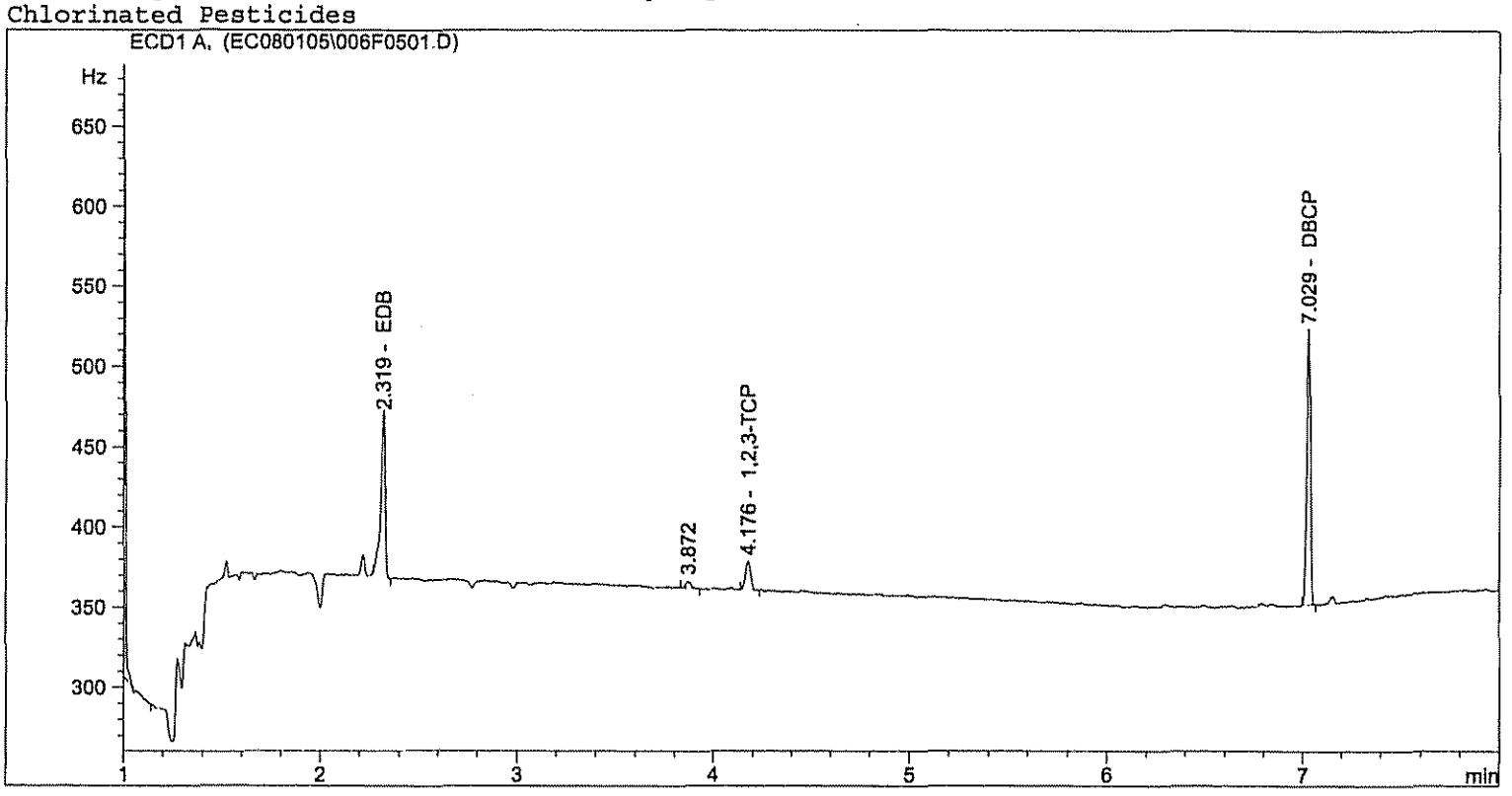
Totals : 1.43477

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 08/01/05 06:59:27 PM          Seq. Line :   5
Sample Name     : EDB 0.1                        Location : Vial 6
Acq. Operator   : clp                                 Inj :   1
                                               Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\EDB.M
Last changed    : 05/20/05 09:54:39 AM by clp
Analysis Method : C:\HPCHEM\1\DATA\EC071805\EDB.M
Last changed    : 08/03/05 11:33:23 AM by clp
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      08/02/05 09:27:36 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.319	BBA	151.19484	7.34255e-4	1.11016e-1		EDB
4.176	BB	32.39156	2.32625e-3	7.53508e-2		1,2,3-TCP
7.029	BP	227.36732	3.77114e-4	8.57435e-2		DBCP

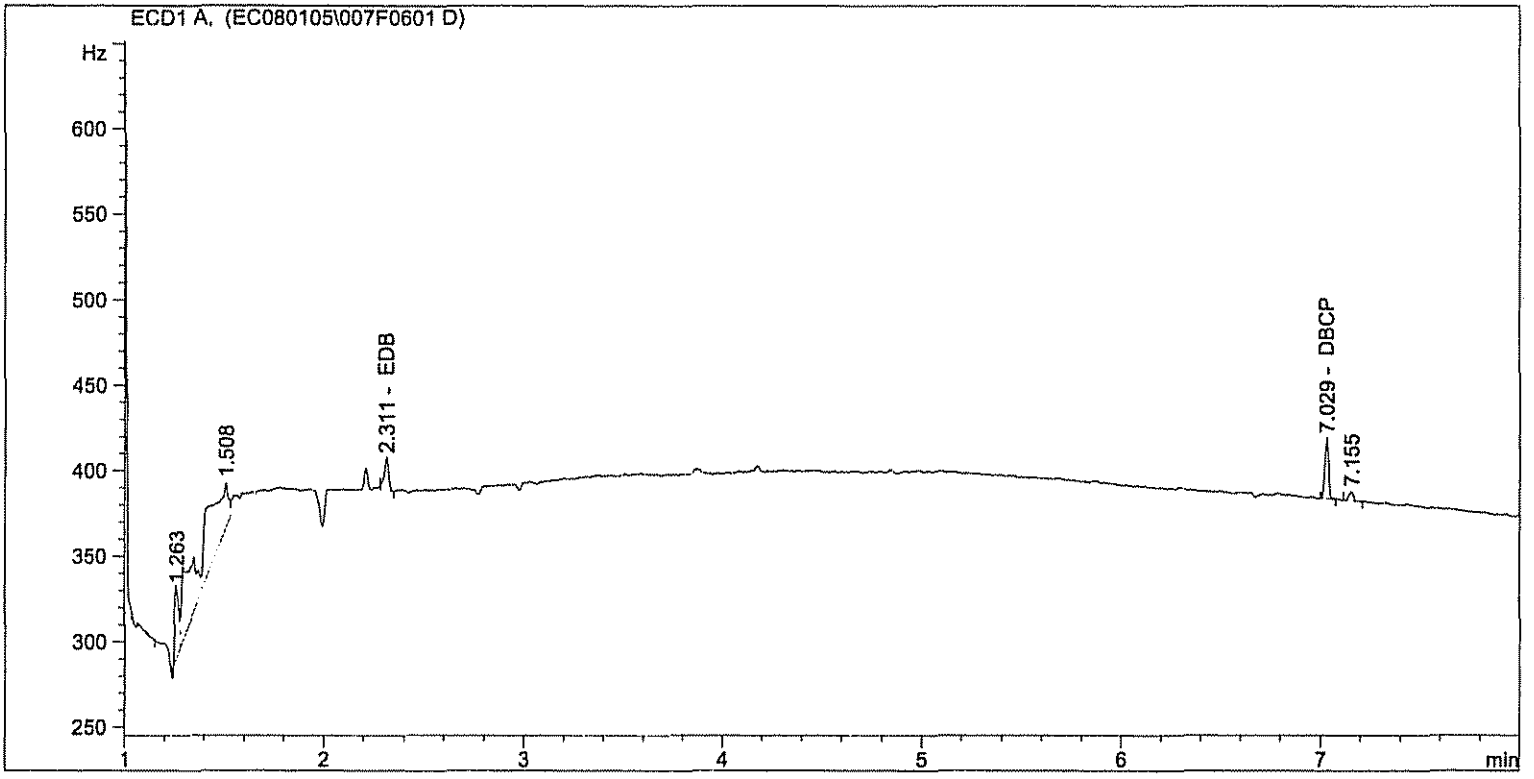
Totals : 2.72110e-1

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 08/01/05 07:20:45 PM          Seq. Line :   6
Sample Name     : EDB 0.02                       Location : Vial 7
Acq. Operator   : clp                                 Inj :   1
                                                Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\EDB.M
Last changed    : 05/20/05 09:54:39 AM by clp
Analysis Method : C:\HPCHEM\1\DATA\EC071805\EDB.M
Last changed    : 08/03/05 11:33:23 AM by clp
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      08/02/05 09:27:36 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.311	BPA	27.90588	7.49085e-4	2.09039e-2		EDB
4.176		-	-	-		1,2,3-TCP
7.029	BB	46.52964	0.00000	0.00000		DBCP

Totals : 2.09039e-2

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibrated compound(s) not found
Warning : Negative results set to zero (cal. curve intercept), (DBCP)

==========
*** End of Report ***

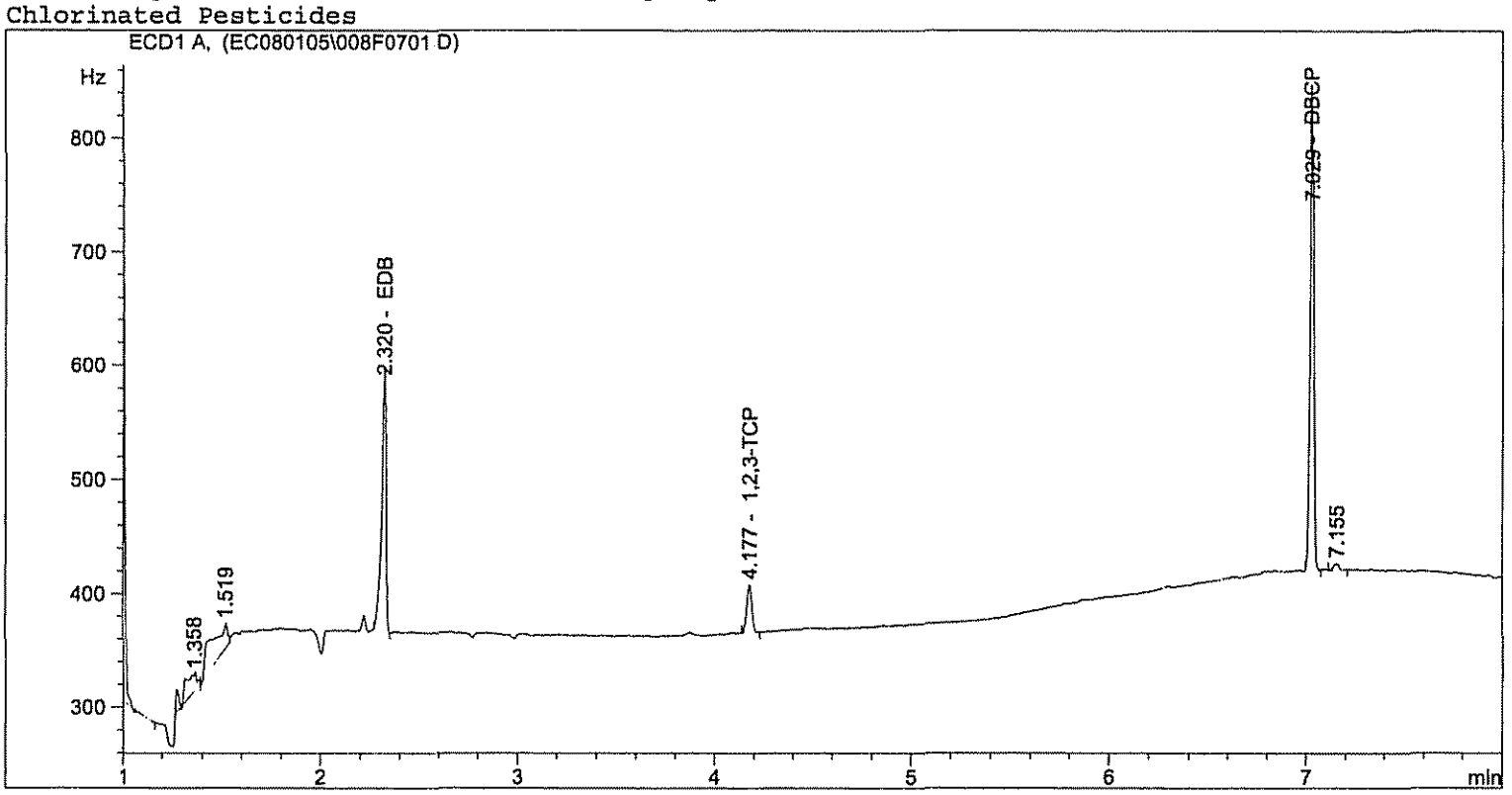
EDB CVS Raw Data

==========

Injection Date : 08/01/05 07:42:03 PM
Sample Name : QC 0.25
Acq. Operator : clp

Seq. Line : 7
Location : Vial 8
Inj : 1
Inj Volume : 2 µl

Acq. Method : C:\HPCHEM\1\METHODS\EDB.M
Last changed : 05/20/05 09:54:39 AM by clp
Analysis Method : C:\HPCHEM\1\DATA\EC071805\EDB.M
Last changed : 08/03/05 11:33:23 AM by clp
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : 08/02/05 09:27:36 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.320	BBA	343.49368	7.32376e-4	2.51567e-1		EDB
4.177	BB	74.88970	2.97328e-3	2.22668e-1		1,2,3-TCP
7.029	BB	565.80817	4.60710e-4	2.60674e-1		DBCP

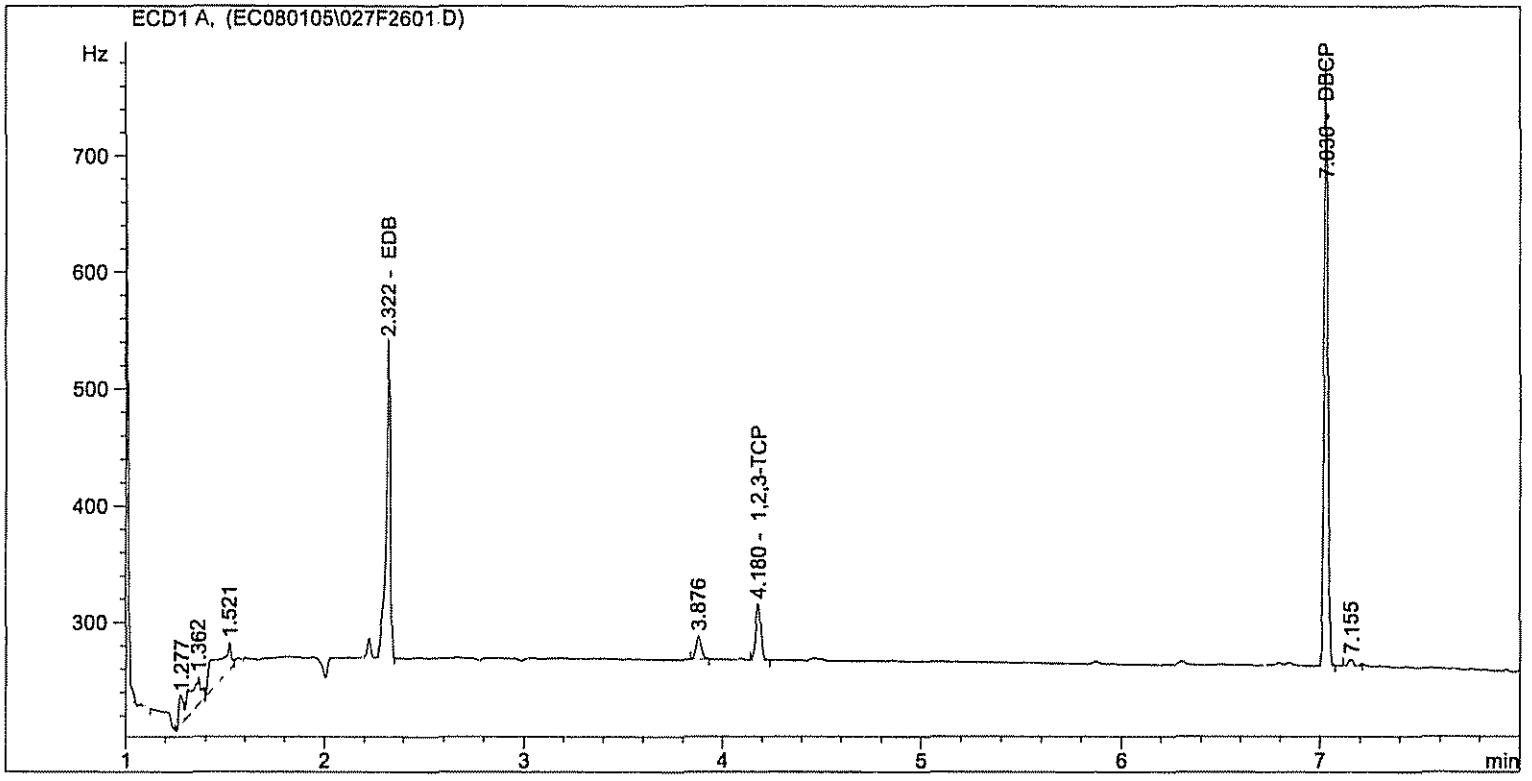
Totals : 7.34909e-1

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 08/02/05 02:27:29 AM          Seq. Line :  26
Sample Name     : QC 0.25                        Location : Vial 27
Acq. Operator   : clp                                 Inj :   1
                                                Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\EDB.M
Last changed    : 05/20/05 09:54:39 AM by clp
Analysis Method : C:\HPCHEM\1\DATA\EC071805\EDB.M
Last changed    : 08/03/05 11:33:23 AM by clp
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      08/02/05 09:27:36 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.322	BBA	412.45502	7.32129e-4	3.01970e-1		EDB
4.180	BB	88.06139	3.04705e-3	2.68327e-1		1,2,3-TCP
7.030	BB	690.15765	4.70829e-4	3.24946e-1		DBCP

Totals : 8.95244e-1

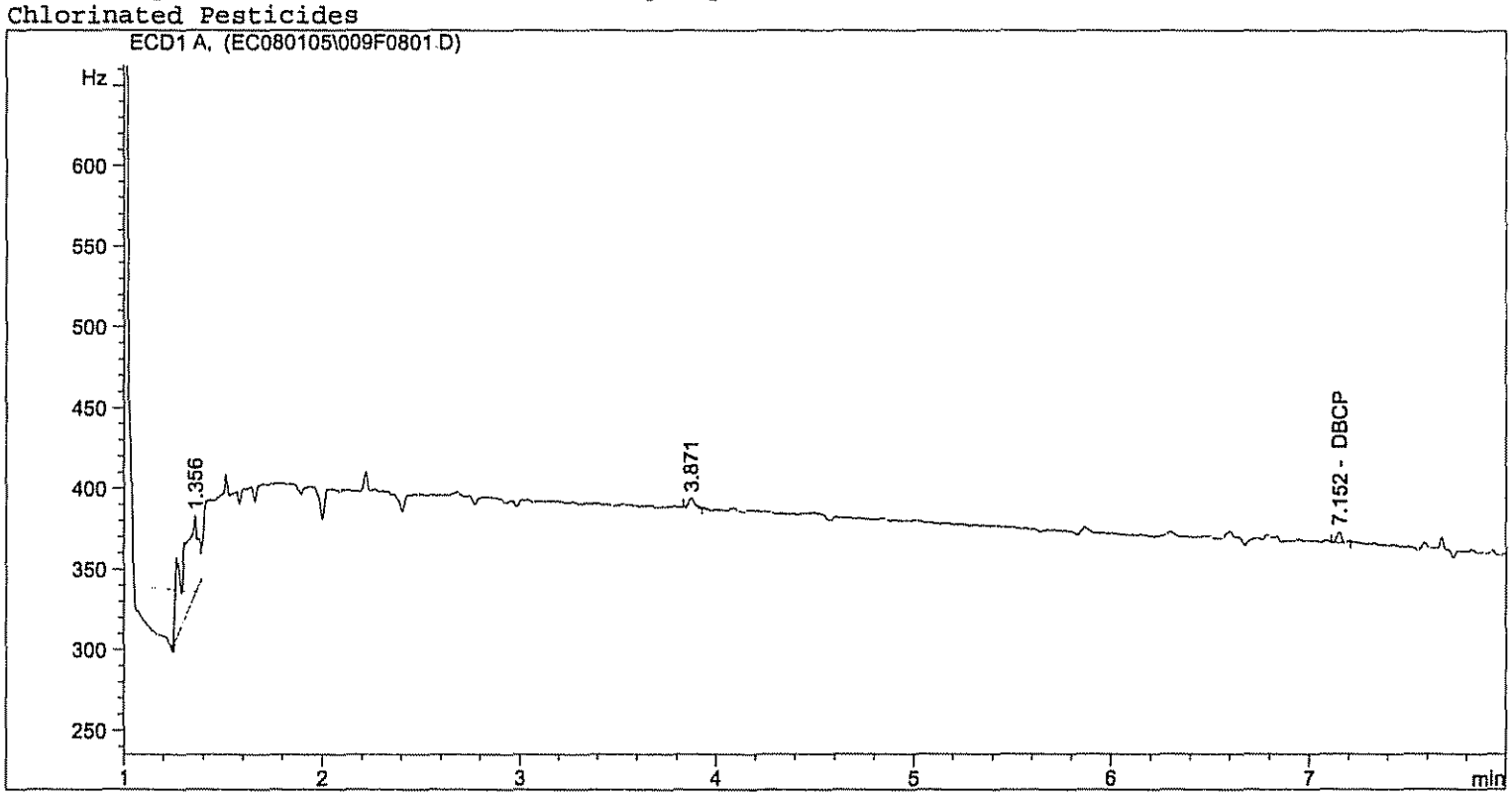
Results obtained with enhanced integrator!

==========

*** End of Report ***

EDB QC, Blanks Raw Data

```
==================================================================
Injection Date  : 08/01/05 08:03:23 PM          Seq. Line :   8
Sample Name     : PB3343                         Location : Vial 9
Acq. Operator   : clp                                 Inj :   1
                                               Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\EDB.M
Last changed    : 05/20/05 09:54:39 AM by clp
Analysis Method : C:\HPCHEM\1\DATA\EC071805\EDB.M
Last changed    : 08/03/05 11:33:23 AM by clp
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      08/02/05 09:27:36 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,

RetTime  Type     Area      Amt/Area    Amount   Grp   Name
 [min]           [Hz*s]                [ng/ul]
-------|------|----------|----------|----------|--|-----------------
  2.311            -          -          -          EDB
  4.176            -          -          -          1,2,3-TCP
  7.152 PB      12.02228    0.00000    0.00000     DBCP

Totals :                                0.00000

 Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibrated compound(s) not found
Warning : Negative results set to zero (cal. curve intercept), (DBCP)

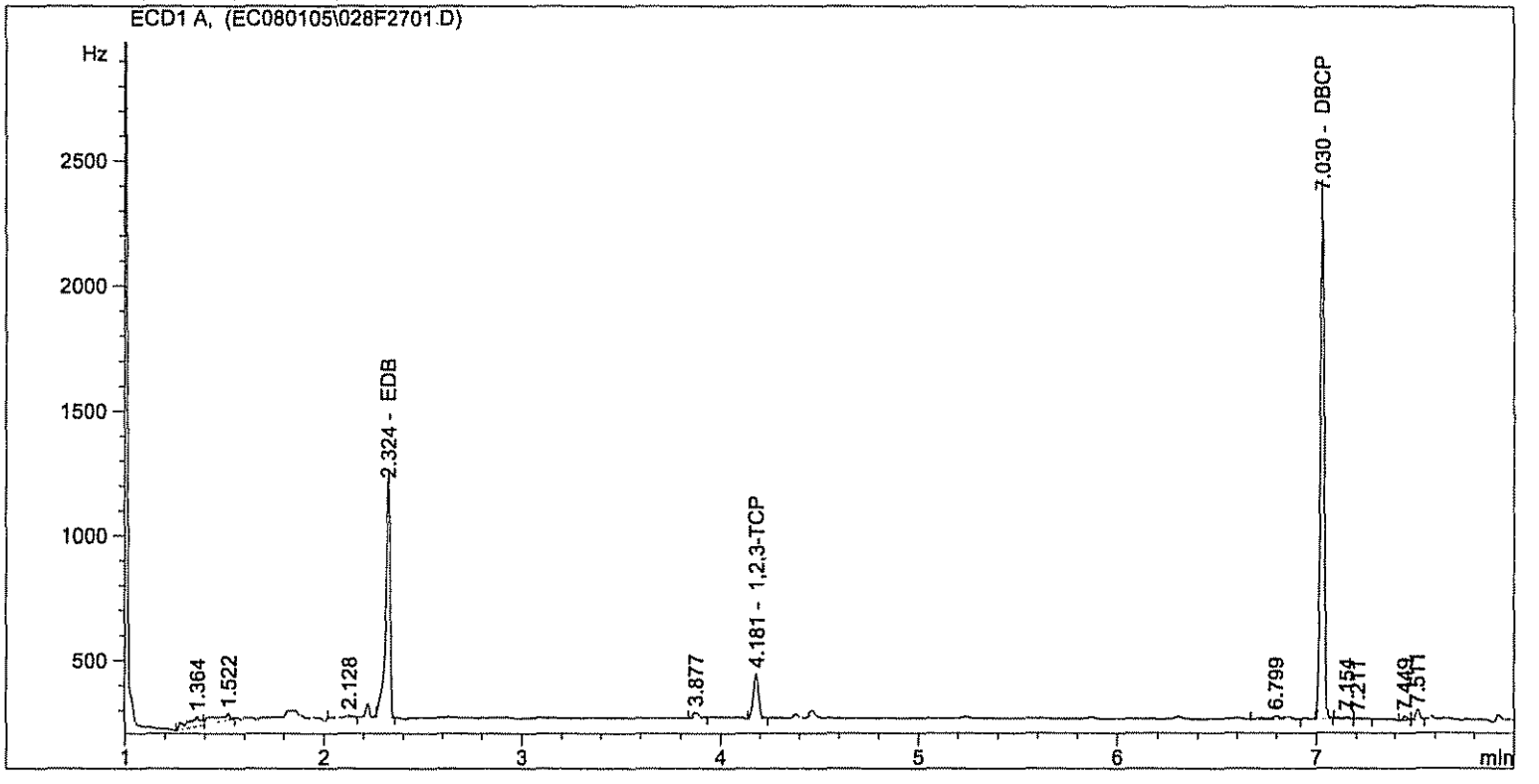
==================================================================
                        *** End of Report ***
```

==========

Injection Date : 08/02/05 02:48:56 AM
Sample Name : 147738 x1 MS
Acq. Operator : clp

Seq. Line : 27
Location : Vial 28
Inj : 1
Inj Volume : 2 µl

Acq. Method : C:\HPCHEM\1\METHODS\EDB.M
Last changed : 05/20/05 09:54:39 AM by clp
Analysis Method : C:\HPCHEM\1\DATA\EC071805\EDB.M
Last changed : 08/03/05 11:33:23 AM by clp
Chlorinated Pesticides



==========

External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : 08/02/05 09:27:36 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.324	BBA	1445.81091	7.31250e-4	1.05725		EDB
4.181	BB	331.30881	3.35497e-3	1.11153		1,2,3-TCP
7.030	BB	2811.03760	5.05567e-4	1.42117		DBCP

Totals : 3.58995

Results obtained with enhanced integrator!

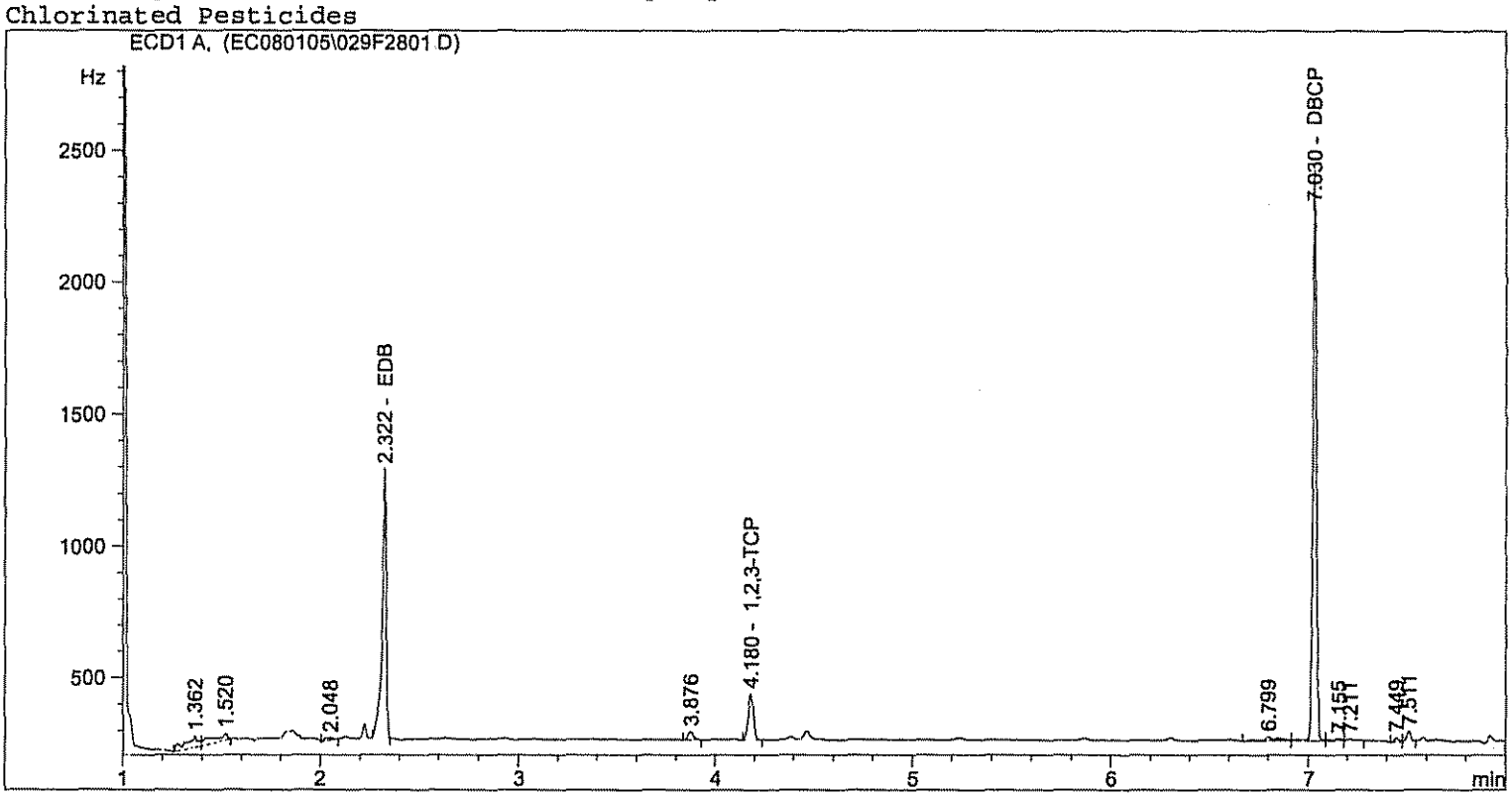
==========

*** End of Report ***

==========

Injection Date : 08/02/05 03:10:26 AM Seq. Line : 28
Sample Name : 147739 x1 MSD Location : Vial 29
Acq. Operator : clp Inj : 1
Inj Volume : 2 µl

Acq. Method : C:\HPCHEM\1\METHODS\EDB.M
Last changed : 05/20/05 09:54:39 AM by clp
Analysis Method : C:\HPCHEM\1\DATA\EC071805\EDB.M
Last changed : 08/03/05 11:33:23 AM by clp
Chlorinated Pesticides



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External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : 08/02/05 09:27:36 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.322	BBA	1486.90967	7.31240e-4	1.08729		EDB
4.180	BB	328.98587	3.35418e-3	1.10348		1,2,3-TCP
7.030	VB	2887.04834	5.05864e-4	1.46045		DBCP

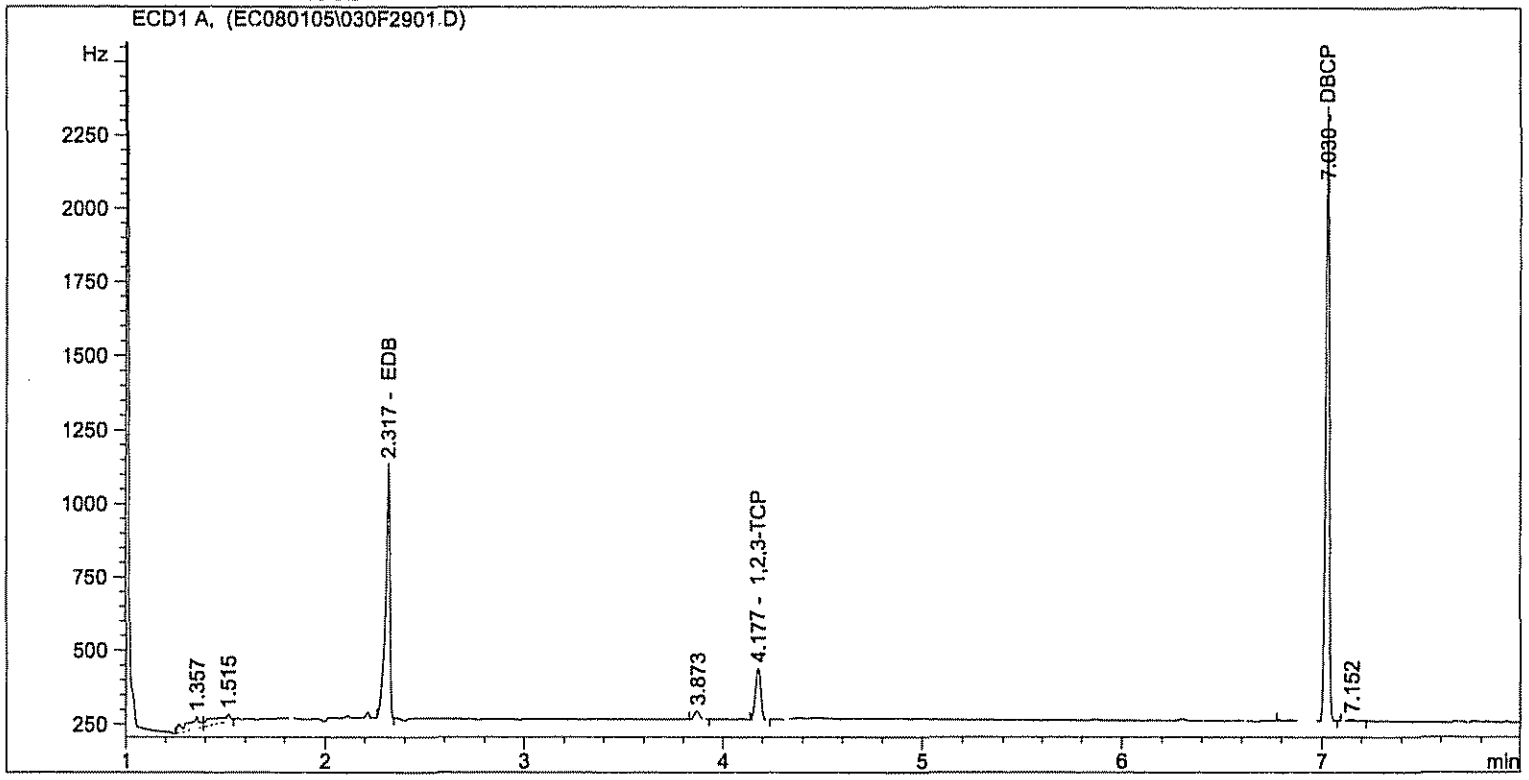
Totals : 3.65122

Results obtained with enhanced integrator!

==========

*** End of Report ***

```
==================================================================
Injection Date  : 08/02/05 03:31:51 AM          Seq. Line :  29
Sample Name     : LCS3343                        Location : Vial 30
Acq. Operator   : clp                                 Inj :   1
                                                Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\EDB.M
Last changed    : 05/20/05 09:54:39 AM by clp
Analysis Method : C:\HPCHEM\1\DATA\EC071805\EDB.M
Last changed    : 08/03/05 11:33:23 AM by clp
Chlorinated Pesticides
```




```
==================================================================
                      External Standard Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      08/02/05 09:27:36 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [ng/ul]	Grp	Name
2.317	BBA	1350.74597	7.31274e-4	9.87766e-1		EDB
4.177	BB	322.51364	3.35193e-3	1.08104		1,2,3-TCP
7.030	BB	2758.46582	5.05351e-4	1.39399		DBCP

Totals : 3.46280

Results obtained with enhanced integrator!

```
==================================================================
                      *** End of Report ***
```

EDB Prep, Standard, Run Logs

Prep Report for Batch 3343 (8011/EDB/WATER) on 2005-08-01 by clp

Sample ID (GCCODE)	EXT	InitWt	InitVol	QCSpikeID	QCSpikeVol	FinalVol	HexaneLot
G161-2085-1O (147736)		34.80				2	CO300
G161-2088-2P (147733)		35.83				2	CO300
G161-2088-3N (147734)		35.20				2	CO300
G161-2088-4N (147735)		34.78				2	CO300
G311-130-1P (147737)		35.20				2	CO300
G311-130-1Q (147738)	MS	35.78		EDBQC-SV03-W11B	140 uL	2	CO300
G311-130-1R (147739)	MSD	35.78		EDBQC-SV03-W11B	140 uL	2	CO300
G311-135-1I (147753)	DUP	35.63				2	CO300
G349-112-1E (147742)		33.93				2	CO300
G460-29-1H (147743)		34.71				2	CO300
G460-29-4F (147744)		35.30				2	CO300
G460-30-1N (147745)		36.21				2	CO300
G460-30-2G (147746)		35.12				2	CO300
G460-30-3G (147747)		35.62				2	CO300
G460-31-3J (147748)		34.62				2	CO300
G460-31-4F (147749)		35.07				2	CO300
G460-31-5F (147750)		36.10				2	CO300
G460-31-6F (147751)		34.66				2	CO300
G460-32-4F (147752)		34.91				2	CO300
LCS3343	LCS	33.34		EDBQC-SV03-W11B	140 uL	2	CO300
PB3343	PB	34.59				2	CO300

Semi-Volatile Standards Logbook

Paradigm Analytical

Logbook ID: ECD03

Working

Page: W15

Item	PAL STD ID	Exp. Date	Description	Vol. / Wt. Initial	Vol. / Wt. Final	Conc. Initial	Conc. Final	Solvent	New Standard Description	Exp. Date	Date	Init.
A	ECD03-R7N	6/25/06	EPH Aliphatic	1mL	2 ~~5mL~~	1000ug/mL	40ug/mL	Hex		6/25/06	6/25/05	DC
B	ECD03-R7P	6/27/06	8081 Internal Std	1mL	10mL	100ug/mL	10ug/mL	Hex		6/27/06	6/27/05	CP
C	ECD03-R7R	6/29/06	Diesel Fuel #2	1mL	50mL	50,000ug/mL	1000ug/mL	CH2Cl2		6/29/06	6/29/05	DC
D	ECD03-R60	8/25/05	EDB Std	17.5ul	50mL	200ug/mL	70ug/L	Hexane		8/25/05	7/12/05	CP
E	ECD03-R7S	7/18/06	Aromatic Std	400ul	~~20mL~~ 10mL	1000ug/mL	40ug/mL	Hex	Aromatic EPH	7/18/06	7/18/05	DC
F	ECD03 W12Q	↓	Frac	400ul	10mL	1000ug/mL	↓	↓	↓	↓	↓	↓
G	SV03-~~R7U~~	↓	EPH Surr	~~2mL~~ 1mL	↓	400ug/mL	↓	↓	↓	↓	↓	↓
H	SV03-R7T	7/21/06	1254 Std	200ul	50mL	1000ug/mL	4000ug/L	Hexane		7/21/06	7/22/05	CP
I			8080 Surr	10ul	↓	2000ug/mL	400ug/L	↓		↓	↓	↓
J	SV03-R7U	7/22/06	1016/1260 Std	200ul	50mL	1000ug/mL	4000ug/L	Hexane		7/22/06	7/22/05	CP
K		↓	8080 Surr	10ul	↓	2000ug/mL	400ug/L	↓		↓	↓	↓
L	SV03-R7V	8/2/06	Herb IS	400ul	10mL	250ug/mL	10ug/mL	Hexane		8/2/06	8/2/05	CP
M	SV03-R7W	8/9/06	8082 IS (DCB)	500ul	10mL	200ug/mL	10ug/mL	Hexane		8/9/06	8/9/05	CP
N	SV03-R7X	8/9/06	8081 ICAL Std	50ul	50mL	200ug/mL	200ug/L	Hexane		8/9/06	8/9/05	CP
O	~~SV03~~ ECD03-R6U	12/6/06	Herb ICAL Std	50ul	25mL	200ug/mL	400 ug/L	Hexane		12/05	8/18/05	CP
P	ECD03-R6W	12/26/05	↓	↓	↓	2000ug/mL	4000 ug/L	↓		↓	↓	↓
Q	ECD03-R6U	1/19/06	↓	↓	↓	20000ug/mL	40000ug/L	↓		↓	↓	↓
R	ECD03-R6R	12/29/05	↓	↓	↓	200ug/mL	400 ug/L	↓		↓	↓	↓
S	ECD03-R7D	4/21/06	Herb CCAL Std	50ul	25mL	200ug/mL	400ug/L	Hexane		4/06	8/18/05	CP
T	ECD03-R7W	8/9/06	8082/8081 IS	500ul	10mL	200ug/mL	10ug/mL	Hexane		8/06	8/23/05	CP
U	ECD03-R7Y	8/23/06	↓	30ul	↓	5000ug/mL	↓	↓		↓	↓	↓
V	ECD03-R7Z	9/6/06	1016/1260 Std	200ul	50mL	1000ug/mL	4000ug/L	Hexane		9/6/06	9/6/05	CP
W	–	—	8081 Surr	10ul	↓	2000ug/mL	400 ug/L	↓		↓	↓	↓

Comments:

Notes: PAL Lot#'s are "yyzz-SVaa-bb-c" where yy is the surrogate or spike test method, zz is SR for a surrogate or QC for a spike, aa is the logbook number,bbb is the page number, and c is the item identifier.

Paradigm Analytical

ECD1 Runlog Sheet

Method: _____ Initial Cal. Curve: _____

Matrix: _____ Batch: ec080105

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001F0101.D	cvs-100	8/1/05 12:37					clp	
002F0101.D	EDB 4	8/1/05 17:34					clp	
003F0201.D	EDB 2	8/1/05 17:56					clp	
004F0301.D	EDB 1	8/1/05 18:17					clp	
005F0401.D	EDB 0.5	8/1/05 18:38					clp	
006F0501.D	EDB 0.1	8/1/05 18:59					clp	
007F0601.D	EDB 0.02	8/1/05 19:20					clp	
008F0701.D	QC 0.25	8/1/05 19:42					clp	
009F0801.D	PB3343	8/1/05 20:03					clp	
010F0901.D	G161-2088-2P x1	8/1/05 20:24					clp	
011F1001.D	G161-2088-3N x1	8/1/05 20:45					clp	
012F1101.D	G161-2088-4N x1	8/1/05 21:07					clp	
013F1201.D	G161-2085-1O x1	8/1/05 21:28					clp	
014F1301.D	G311-130-1P x1	8/1/05 21:49					clp	
015F1401.D	G349-112-1E x1	8/1/05 22:11					clp	
016F1501.D	G311-135-1H x1	8/1/05 22:32					clp	
017F1601.D	G460-29-1H x1	8/1/05 22:53					clp	
018F1701.D	G460-29-4F x1	8/1/05 23:14					clp	
019F1801.D	G460-30-1N x1	8/1/05 23:36					clp	
020F1901.D	G460-30-2G x1	8/1/05 23:57					clp	
021F2001.D	G460-30-3G x1	8/2/05 0:18					clp	
022F2101.D	G460-31-3J x1	8/2/05 0:39					clp	
023F2201.D	G460-31-4F x1	8/2/05 1:01					clp	
024F2301.D	G460-31-5F x1	8/2/05 1:22					clp	

Analyst: _____ Page Number: _____

Paradigm Analytical

ECD1 Runlog Sheet

Method: _____ Initial Cal. Curve: _____

Matrix: _____ Batch: ec080105

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
025F2401.D	G460-31-6F x1	8/2/05 1:44					clp	
026F2501.D	G460-32-4F x1	8/2/05 2:05					clp	
027F2601.D	QC 0.25	8/2/05 2:27					clp	
028F2701.D	G311-130-1Q x1 MS	8/2/05 2:48	cid= 147738				clp	
029F2801.D	G311-130-1R x1 MSD	8/2/05 3:10	cid= 147739				clp	
030F2901.D	LCS3343	8/2/05 3:31					clp	
031F3001.D	G311-135-1I x1 DUP	8/2/05 3:53	cid= 147753				clp	

Analyst:

Page Number: _____

Metals Sample Raw Data

Sample/Batch Report

RML

User Name: rml 072705b
Computer Name: RML
Sample File: C:\elandata\Sample\072705b.sam
Report Date/Time: Thursday, July 28, 2005 08:21:58

CURVG → MS072505-1

A/S Loc	Batch ID	Sample ID	Description	Sample Type	Init Quant	Prep Vol	Aliquot Vol	Diluted Vol	Solids Ratio
7		icv-Al							
9		icsA1 ✓							
10		icsB1 ✓							
2		lowstd							
3		ccv1 ✓							
5		cvs1-Na,Mg,Al							
1		ccb1 ✓							
11		pb3305 x25 ✓							
12		lcs3305 x25 ✓							
13		lcd3305 x25 ✓							
14		G460-30-1K x25							
15		G460-30-1L ms x25							
16		G460-30-1M msd x25							
17		G311-131-1E x25							
18		G311-131-2E x25							
19		G311-131-3E x25							
20		G311-131-4E x25							
3		ccv2 ✓							
1		ccb2 ✓							
21		G311-131-5E x25							
22		G311-131-6E x25							
23		G311-131-7E x25							
24		G311-131-7F dup x25							
25		G311-131-8E x25							
26		G311-131-9E x25							
27		G460-29-1G x25							
28		G311-130-1N x25							
29		pb3306 x25 ✓							
30		lcs3306 x25 ✓ - RL ok							
3		ccv3							
1		ccb3							
31		lcd3306 x25 ✓							
32		G122-2627-1N x25							
33		G122-2627-1O ms x25							
34		G122-2627-1P msd x25							
35		G460-31-3I x25							
36		G460-31-3I dup x25							
37		G161-2085-1M x25							
38		G161-2085-1M x125 SD							
39		G161-2085-1M x25 PDS							
3		ccv4 ✓							
1		ccb4 ✓							
8		icsA2 - mislabeled as lcs							
9		~~icsB2~~ A ✓							
3		ccv5 ✓							
5		cvs5 ✓							
1		ccb5 ✓							

Sc → 110194 - 91828 - 27548

Ge → 57860 - 49883 - 14965

Lu → 84022 - 70018 - 21005

Quantitative Analysis - Summary

Sample ID: Blank

Autosampler Position: 1
Sample Date/Time: Wednesday, July 27, 2005 14:44:17
Sample File: C:\elandata\Sample\072705b sam
Method File: c \elandata\Method\6020 mth
Dataset File C:\elandata\Dataset\072705\Blank 034

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	24441.745					ppb
	Mg	24	4063.375					ppb
	Al	27	10712.037					ppb
	K	39	512963.721					ppb
	Ca	43	607 258					ppb
>	Sc	45	91828.188					ppb
	Fe	57	8588 159					ppb
>	Ge	72	49882.618					ppb
>	Lu	175	70017 926					ppb
	Pb	208	265.419					ppb

Quantitative Analysis - Summary

Sample ID: Standard 1

Autosampler Position: 2

Sample Date/Time. Wednesday. July 27, 2005 14:47:45

Sample File: C:\elandata\Sample\072705b.sam

Method File: c:\elandata\Method\6020.mth

Dataset File: C:\elandata\Dataset\072705\Standard 1.035

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	19240.792	-0.061				ppb
	Mg	24	1099.978	-0.033				ppb
	Al	27	4144.212	-0.072				ppb
	K	39	517469.644	-0.076				ppb
	Ca	43	599.218	-0.000				ppb
>	Sc	45	93953.448	93953.448				ppb
	Fe	57	8873.210	0.005				ppb
>	Ge	72	50088.272	50088.272				ppb
>	Lu	175	70393.912	70393.912				ppb
	Pb	208	3161.576	0.041	**0.100**	0.004	3.9	ppb

Quantitative Analysis - Summary

Sample ID: Standard 2

Autosampler Position: 3
Sample Date/Time: Wednesday, July 27, 2005 14:51:13
Sample File: C:\elandata\Sample\072705b.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\Standard 2.036

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	19573.044	-0.058				ppb
	Mg	24	1109.594	-0.032				ppb
	Al	27	5349.131	-0.060				ppb
	K	39	514724.300	-0.115				ppb
	Ca	43	593.855	-0.000				ppb
>	Sc	45	94095.484	94095.484				ppb
	Fe	57	9006.323	0.007				ppb
>	Ge	72	50377.175	50377.175				ppb
>	Lu	175	70087.641	70087.641				ppb
	Pb	208	140367.507	1.999	**5.000**	0.084	1.7	ppb

Quantitative Analysis - Summary

Sample ID: Standard 3

Autosampler Position: 4
Sample Date/Time: Wednesday, July 27, 2005 14:54:41
Sample File: C:\elandata\Sample\072705b.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\Standard 3 037

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	51475.208	0.274	**10.000**	0.302	3.0	ppb
|	Mg	24	27473.008	0.244	**10.000**	0.216	2.2	ppb
|	Al	27	41649.900	0.320	**10.000**	0.078	0.8	ppb
|	K	39	575768.614	0.453	**10.000**	1.748	17.5	ppb
|	Ca	43	1023.032	0.004	**10.000**	0.947	9.5	ppb
⌊>	Sc	45	95357.263	95357.263				ppb
⌈	Fe	57	11569.979	0.058	**10.000**	0.563	5.6	ppb
⌊>	Ge	72	50343.737	50343.737				ppb
⌈>	Lu	175	70498.572	70498.572				ppb
⌊	Pb	208	279986.019	3.968	**9.984**	0.082	0.8	ppb

Quantitative Analysis - Summary

Sample ID: Standard 4

Autosampler Position: 5
Sample Date/Time: Wednesday, July 27, 2005 14:58:09
Sample File: C \elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C \elandata\Dataset\072705\Standard 4 038

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	1745941.443	18.297	**500.050**	8.900	1.8	ppb
	Mg	24	1255469.316	13.302	**500.017**	6.591	1.3	ppb
	Al	27	1775514.727	18.762	**500.029**	12.555	2.5	ppb
	K	39	3068357.714	27.033	**500.032**	5.443	1.1	ppb
	Ca	43	7456.469	0.073	**499.635**	4.036	0.8	ppb
>	Sc	45	94073.055	94073.055				ppb
	Fe	57	123328.874	2.260	**499.945**	1.675	0.3	ppb
>	Ge	72	50705.559	50705.559				ppb
>	Lu	175	71251.573	71251.573				ppb
	Pb	208	689.860	0.006	**0.015**	0.001	6.9	ppb

Quantitative Analysis - Summary

Sample ID: Standard 5

Autosampler Position: 6
Sample Date/Time: Wednesday, July 27, 2005 15:01:38
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\Standard 5 039

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	2962676.299	30.254	**959.785**	18.972	2.0	ppb
	Mg	24	2050266.523	21.077	**950.154**	17.426	1.8	ppb
	Al	27	2996279.858	30.751	**957.803**	24.724	2.6	ppb
	K	39	5804827.768	54.212	**1000.554**	18.486	1.8	ppb
	Ca	43	14076.721	0.138	**989.942**	10.427	1.1	ppb
>	Sc	45	97083.137	97083.137				ppb
	Fe	57	245373.355	4.455	**997.045**	11.851	1.2	ppb
>	Ge	72	53033.617	53033.617				ppb
>	Lu	175	74845.143	74845.143				ppb
	Pb	208	361.077	0.001	**0.003**	0.001	24.1	ppb

Quantitative Analysis - Summary

Sample ID: icv

Autosampler Position: 7
Sample Date/Time: Wednesday, July 27, 2005 15 05 08
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\icv 040

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	14602092.461	147.864	**4690.876**	65.198	1.4	ppb
	Mg	24	10168904.299	103.112	**4648.393**	77.063	1.7	ppb
	Al	27	744774.705	7.439	**231.718**	1.598	0.7	ppb
	K	39	27367552.341	272.101	**5021.965**	66.105	1.3	ppb
	Ca	43	65434.328	0.657	**4702.365**	73.582	1.6	ppb
>	Sc	45	98555.545	98555.545				ppb
	Fe	57	34903.878	0.478	**106.992**	2.535	2.4	ppb
>	Ge	72	53702.181	53702.181				ppb
>	Lu	175	75130.240	75130.240				ppb
	Pb	208	146290.746	1.943	**4.890**	0.010	0.2	ppb

Quantitative Analysis - Summary

Sample ID: icsA1
Autosampler Position: 9
Sample Date/Time: Wednesday. July 27, 2005 15:08 36
Sample File: C.\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\icsA1 041

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	14357826.246	151.340	**4801.152**	12.481	0.3	ppb
|	Mg	24	9902174.354	104.521	**4711.941**	19.540	0.4	ppb
|	Al	27	14461074.560	152.586	**4752.604**	10.573	0.2	ppb
|	K	39	26336693.663	272.545	**5030.155**	50.230	1.0	ppb
|	Ca	43	63961.964	0.669	**4784.097**	78.112	1.6	ppb
⌊>	Sc	45	94702.862	94702.862				ppb
⌈	Fe	57	1125111.071	21.014	**4703.238**	8.499	0.2	ppb
⌊>	Ge	72	53106.296	53106.296				ppb
⌈>	Lu	175	74677.509	74677.509				ppb
⌊	Pb	208	957.978	0.009	**0.023**	0.001	6.2	ppb

Quantitative Analysis - Summary

Sample ID: icsB1

Autosampler Position: 10
Sample Date/Time: Wednesday, July 27, 2005 15:12:04
Sample File: C:\elandata\Sample\072705b.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\icsB1.042

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	14114644.271	156.405	**4961.839**	29.047	0.6	ppb
	Mg	24	9801810.171	108.750	**4902.589**	12.770	0.3	ppb
	Al	27	14246824.993	158.018	**4921.818**	34.696	0.7	ppb
	K	39	25986519.853	282.894	**5221.163**	64.654	1.2	ppb
	Ca	43	63352.966	0.697	**4983.240**	51.523	1.0	ppb
>	Sc	45	90093.978	90093.978				ppb
	Fe	57	1109670.445	20.881	**4673.409**	12.934	0.3	ppb
>	Ge	72	52709.431	52709.431				ppb
>	Lu	175	74618.671	74618.671				ppb
	Pb	208	88426.879	1.181	**2.972**	0.011	0.4	ppb

Quantitative Analysis - Summary

Sample ID: lowstd
Autosampler Position: 2
Sample Date/Time: Wednesday, July 27, 2005 15:15:31
Sample File C \elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\lowstd 043

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	20495.630	-0.045	**-1.437**	0.647	45.0	ppb
|	Mg	24	1838.818	-0.024	**-1.096**	0.470	42.8	ppb
|	Al	27	5082.137	-0.062	**-1.923**	0.488	25.4	ppb
|	K	39	525897.066	0.078	**1.433**	3.537	246.9	ppb
|	Ca	43	656.009	0.000	**3.260**	3.265	100.2	ppb
⌊>	Sc	45	92906.310	92906.310				ppb
⌈	Fe	57	9076.527	0.013	**2.970**	0.803	27.0	ppb
⌊>	Ge	72	48962.268	48962.268				ppb
⌈>	Lu	175	69807.080	69807.080				ppb
⌊	Pb	208	3271.963	0.043	**0.108**	0.001	0.7	ppb

Quantitative Analysis - Summary

Sample ID: ccv1

Autosampler Position: 3
Sample Date/Time: Wednesday, July 27, 2005 15 18:59
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\ccv1 044

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	19742.702	-0.056	**-1.763**	0.267	15.2	ppb
	Mg	24	1270.461	-0 031	**-1.383**	0.091	6.6	ppb
	Al	27	5493.016	-0.058	**-1.808**	0.117	6.5	ppb
	K	39	515663.789	-0 087	**-1.601**	1.019	63 6	ppb
	Ca	43	654.528	0.000	**2.647**	3.425	129 4	ppb
>	Sc	45	93773.216	93773 216				ppb
	Fe	57	9216.985	0 013	**2.868**	1 060	37.0	ppb
>	Ge	72	49839 295	49839 295				ppb
>	Lu	175	69620.363	69620.363				ppb
	Pb	208	138313.110	1.983	**4.990**	0 027	0.5	ppb

Quantitative Analysis - Summary

Sample ID: cvs1

Autosampler Position: 5
Sample Date/Time Wednesday, July 27, 2005 15 22:27
Sample File C:\elandata\Sample\072705b.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\cvs1.045

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	1776347.853	18.868	**598.574**	17.113	2.9	ppb
|	Mg	24	1230089.536	13.209	**595.466**	6.950	1.2	ppb
|	Al	27	1761264.366	18.857	**587.344**	9.623	1.6	ppb
|	K	39	3053356.643	27.308	**503.996**	10.340	2.1	ppb
|	Ca	43	7351.397	0.073	**519.248**	9.471	1.8	ppb
⌊>	Sc	45	92808.907	92808.907				ppb
⌈	Fe	57	122066.791	2.268	**507.543**	5.571	1.1	ppb
⌊>	Ge	72	50034.779	50034.779				ppb
⌈>	Lu	175	70540.758	70540.758				ppb
⌊	Pb	208	652.441	0.005	**0.014**	0.001	7.9	ppb

Quantitative Analysis - Summary

Sample ID: ccb1

Autosampler Position: 1
Sample Date/Time: Wednesday, July 27, 2005 15 25 56
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\ccb1 046

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	24223.571	-0.008	**-0.261**	0.241	92.5	ppb
|	Mg	24	3885.570	-0.003	**-0.130**	0.073	56.0	ppb
|	Al	27	9697.966	-0 013	**-0.416**	0.105	25.3	ppb
|	K	39	531669.085	0 075	**1.380**	1.850	134.1	ppb
|	Ca	43	748.863	0.001	**9.687**	2.905	30 0	ppb
⌊>	Sc	45	93937.312	93937.312				ppb
⌈	Fe	57	9665.996	0.022	**4.824**	0 297	6.2	ppb
⌊>	Ge	72	49893.926	49893.926				ppb
⌈>	Lu	175	69237.774	69237 774				ppb
⌊	Pb	208	265.385	0.000	**0.000**	0.000	450.8	ppb

Quantitative Analysis - Summary

Sample ID: pb3305 x25

Autosampler Position: 11
Sample Date/Time: Wednesday, July 27, 2005 15:29:24
Sample File: C:\elandata\Sample\072705b sam
Method File: c \elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\pb3305 x25 047

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	35838.440	0.078	**2.479**	0.380	15.3	ppb
	Mg	24	895.025	-0.036	**-1.607**	0.048	3.0	ppb
	Al	27	2274.886	-0.095	**-2.952**	0.066	2.2	ppb
	K	39	529581.512	-0.499	**-9.217**	2.119	23.0	ppb
	Ca	43	549.243	-0.001	**-9.545**	2.047	21.4	ppb
>	Sc	45	104153.606	104153.606				ppb
	Fe	57	9884.476	0.005	**1.198**	1.301	108.6	ppb
>	Ge	72	55683.584	55683.584				ppb
>	Lu	175	77153.761	77153.761				ppb
	Pb	208	440.115	0.002	**0.005**	0.001	24.9	ppb

Quantitative Analysis - Summary

Sample ID: lcs3305 x25

Autosampler Position: 12
Sample Date/Time: Wednesday, July 27, 2005 15:32:52
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\lcs3305 x25.048

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	32761.592	0.072	**2.292**	0.303	13.2	ppb
	Mg	24	755.117	-0.036	**-1.642**	0.052	3.2	ppb
	Al	27	2494.246	-0.091	**-2.830**	0.069	2.4	ppb
	K	39	512068.405	-0.297	**-5.477**	2.065	37.7	ppb
	Ca	43	543.142	-0.001	**-7.084**	5.588	78.9	ppb
>	Sc	45	96853.973	96853.973				ppb
	Fe	57	26169.839	0.339	**75.823**	1.452	1.9	ppb
>	Ge	72	51228.714	51228.714				ppb
>	Lu	175	71187.753	71187.753				ppb
	Pb	208	405682.142	5.694	**14.329**	0.075	0.5	ppb

Quantitative Analysis - Summary

Sample ID: lcd3305 x25

Autosampler Position: 13
Sample Date/Time: Wednesday, July 27, 2005 15:36:21
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C \elandata\Dataset\072705\lcd3305 x25 049

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	34907.809	0.065	**2.070**	0.203	9.8	ppb
|	Mg	24	813.537	-0.037	**-1.646**	0.049	3.0	ppb
|	Al	27	2637.772	-0.092	**-2.853**	0.044	1.5	ppb
|	K	39	529081.911	-0.563	**-10.400**	1.272	12.2	ppb
|	Ca	43	574.576	-0.001	**-8.249**	4.004	48.5	ppb
⌊>	Sc	45	105354.656	105354.656				ppb
⌈	Fe	57	28308.193	0.333	**74.439**	1.336	1.8	ppb
⌊>	Ge	72	56082.493	56082.493				ppb
⌈>	Lu	175	77936.677	77936.677				ppb
⌊	Pb	208	434970.081	5.577	**14.034**	0.166	1.2	ppb

Quantitative Analysis - Summary

Sample ID: G460-30-1K x25

Autosampler Position: 14
Sample Date/Time: Wednesday, July 27, 2005 15:39:50
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\G460-30-1K x25.050

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	2761963.099	25.985	**824.367**	9.672	1.2	ppb
	Mg	24	1312078.270	12.429	**560.297**	6.739	1.2	ppb
	Al	27	623342.680	5.811	**180.987**	2.787	1.5	ppb
	K	39	846758.426	2.479	**45.750**	4.776	10.4	ppb
	Ca	43	12415.946	0.111	**796.919**	17.177	2.2	ppb
>	Sc	45	105165.762	105165.762				ppb
	Fe	57	77015.950	1.190	**266.389**	3.549	1.3	ppb
>	Ge	72	56564.099	56564.099				ppb
>	Lu	175	78330.293	78330.293				ppb
	Pb	208	6655.750	0.081	**0.204**	0.000	0.2	ppb

Quantitative Analysis - Summary

Sample ID: G460-30-1L ms x25

Autosampler Position: 15
Sample Date/Time: Wednesday, July 27, 2005 15:43:20
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C \elandata\Dataset\072705\G460-30-1L ms x25 051

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	2457909.720	29.037	**921.182**	1.729	0.2	ppb
	Mg	24	1161878.088	13.808	**622.458**	2.150	0.3	ppb
	Al	27	546034.069	6.395	**199.196**	1.608	0.8	ppb
	K	39	763694.031	3.547	**65.462**	8.102	12.4	ppb
	Ca	43	10829.821	0.122	**876.212**	8.247	0.9	ppb
>	Sc	45	83876.747	83876.747				ppb
	Fe	57	83325.402	1.709	**382.545**	6.103	1.6	ppb
>	Ge	72	44326.482	44326.482				ppb
>	Lu	175	63024.598	63024.598				ppb
	Pb	208	403672.834	6.402	**16.109**	0.048	0.3	ppb

Quantitative Analysis - Summary

Sample ID: G460-30-1M msd x25

Autosampler Position: 16
Sample Date/Time: Wednesday, July 27, 2005 15:46:51
Sample File: C:\elandata\Sample\072705b.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\G460-30-1M msd x25 052

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	2548154.641	25.654	**813.849**	12.633	1.6	ppb
	Mg	24	1198268.814	12.152	**547.839**	3.255	0.6	ppb
	Al	27	563884.508	5.625	**175.201**	1.950	1.1	ppb
	K	39	773839.184	2.302	**42.482**	5.176	12.2	ppb
	Ca	43	11346.297	0.109	**779.768**	24.608	3.2	ppb
>	Sc	45	98257.029	98257.029				ppb
	Fe	57	86553.483	1.499	**335.424**	11.960	3.6	ppb
>	Ge	72	51891.280	51891.280				ppb
>	Lu	175	73413.093	73413.093				ppb
	Pb	208	423742.965	5.768	**14.513**	0.129	0.9	ppb

Quantitative Analysis - Summary

Sample ID: G311-131-1E x25

Autosampler Position: 17
Sample Date/Time: Wednesday, July 27, 2005 15:50:20
Sample File: C:\elandata\Sample\072705b.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\G311-131-1E x25 053

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	716273.319	6.784	**215.205**	3.910	1.8	ppb
	Mg	24	222577.051	2.146	**96.758**	1.514	1.6	ppb
	Al	27	2957.247	-0.088	**-2.727**	0.068	2.5	ppb
	K	39	776992.121	2.061	**38.042**	1.667	4.4	ppb
	Ca	43	27922.054	0.268	**1918.626**	28.296	1.5	ppb
>	Sc	45	101610.035	101610.035				ppb
	Fe	57	11281.738	0.040	**9.032**	1.496	16.6	ppb
>	Ge	72	53096.384	53096.384				ppb
>	Lu	175	75109.316	75109.316				ppb
	Pb	208	433.533	0.002	**0.005**	0.001	29.5	ppb

Quantitative Analysis - Summary

Sample ID: G311-131-2E x25

Autosampler Position: 18
Sample Date/Time: Wednesday, July 27, 2005 15 53 47
Sample File C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\G311-131-2E x25 054

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	911071 278	9 048	**287.048**	3 617	1 3	ppb
	Mg	24	363758 060	3 674	**165.649**	2 337	1 4	ppb
	Al	27	6049 630	-0 055	**-1.708**	0 038	2 2	ppb
	K	39	765263 036	2 239	**41.322**	3 140	7 6	ppb
	Ca	43	31777 295	0.318	**2276.156**	3,921	0 2	ppb
>	Sc	45	97834 034	97834 034				ppb
	Fe	57	22313 757	0 258	**57.852**	0.721	1 2	ppb
>	Ge	72	51816 381	51816 381				ppb
>	Lu	175	72693 663	72693 663				ppb
	Pb	208	17822 469	0 241	**0.607**	0.001	0 2	ppb

Quantitative Analysis - Summary

Sample ID: G311-131-3E x25

Autosampler Position: 19
Sample Date/Time: Wednesday, July 27, 2005 15 57:14
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020.mth
Dataset File C:\elandata\Dataset\072705\G311-131-3E x25.055

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
⌈	Na	23	887124.840	8.743	**277.349**	3.802	1 4	ppb
|	Mg	24	265980 127	2 657	**119.777**	0 066	0.1	ppb
|	Al	27	3356.478	-0.083	**-2.571**	0 040	1 6	ppb
|	K	39	760088.699	2.134	**39.387**	1 766	4 5	ppb
|	Ca	43	35021.284	0.349	**2496.901**	18.117	0.7	ppb
⌊>	Sc	45	98468.812	98468.812				ppb
⌈	Fe	57	45710.731	0.706	**157.999**	0.599	0.4	ppb
⌊>	Ge	72	52056 247	52056.247				ppb
⌈>	Lu	175	72690.522	72690 522				ppb
⌊	Pb	208	2609.392	0.032	**0.081**	0.003	3.2	ppb

Quantitative Analysis - Summary

Sample ID: G311-131-4E x25

Autosampler Position: 20
Sample Date/Time: Wednesday, July 27, 2005 16 00:41
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File C:\elandata\Dataset\072705\G311-131-4E x25.056

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc RSD	Sample Unit
	Na	23	1431490.943	13.210	**419.078**	2.631	0 6	ppb
	Mg	24	408175.703	3.799	**171.252**	0 714	0 4	ppb
	Al	27	3509.555	-0.084	**-2.603**	0.082	3 2	ppb
	K	39	829796.583	2.227	**41.098**	2.022	4 9	ppb
	Ca	43	34741.096	0.320	**2292.346**	10.081	0.4	ppb
>	Sc	45	106216.972	106216 972				ppb
	Fe	57	14546.662	0.085	**19.088**	0.750	3.9	ppb
>	Ge	72	56506.080	56506.080				ppb
>	Lu	175	78467 550	78467 550				ppb
	Pb	208	1582.251	0.016	**0.041**	0.001	2.1	ppb

Quantitative Analysis - Summary

Sample ID: ccv2

Autosampler Position: 3
Sample Date/Time: Wednesday, July 27, 2005 16:04:08
Sample File: C:\elandata\Sample\072705b.sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\ccv2 057

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	20660.946	-0.047	**-1.478**	0.258	17.4	ppb
	Mg	24	1234.428	-0.031	**-1.403**	0.050	3.6	ppb
	Al	27	5525.177	-0.058	**-1.804**	0.065	3.6	ppb
	K	39	520251.985	-0.058	**-1.063**	2.076	195.3	ppb
	Ca	43	671.126	0.001	**3.758**	4.073	108.4	ppb
>	Sc	45	94143.653	94143.653				ppb
	Fe	57	8351.066	-0.006	**-1.305**	1.011	77.5	ppb
>	Ge	72	50226.381	50226.381				ppb
>	Lu	175	69753.755	69753.755				ppb
	Pb	208	137129.210	1.962	**4.937**	0.039	0.8	ppb

Quantitative Analysis - Summary

Sample ID: ccb2
Autosampler Position: 1
Sample Date/Time: Wednesday, July 27, 2005 16:07:35
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\ccb2 058

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	24970.596	-0.009	**-0.298**	0.292	97.8	ppb
	Mg	24	3822.356	-0.005	**-0.223**	0.061	27.5	ppb
	Al	27	9781.462	-0.016	**-0.501**	0.125	25.0	ppb
	K	39	537396.702	-0.057	**-1.051**	3.876	369.0	ppb
	Ca	43	794.057	0.002	**11.117**	3.512	31.6	ppb
>	Sc	45	97332.584	97332.584				ppb
	Fe	57	8931.635	0.001	**0.177**	0.857	484.3	ppb
>	Ge	72	51650.301	51650.301				ppb
>	Lu	175	71117.058	71117.058				ppb
	Pb	208	335.965	0.001	**0.002**	0.001	31.5	ppb

Quantitative Analysis - Summary

Sample ID: G311-131-5E x25

Autosampler Position: 21
Sample Date/Time Wednesday, July 27, 2005 16 11:03
Sample File C \elandata\Sample\072705b sam
Method File c \elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\G311-131-5E x25 059

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens Mean	**Conc. Mean**	Conc. SD	Conc RSD	Sample Unit
⌈	Na	23	366925.022	3.551	**112.645**	0.538	0.5	ppb
|	Mg	24	356280.177	3.662	**165.088**	0.731	0.4	ppb
|	Al	27	112524.890	1.054	**32.838**	0.489	1.5	ppb
|	K	39	1200088.718	6.905	**127.449**	4.651	3.6	ppb
|	Ca	43	60878.345	0.627	**4483.488**	34.092	0.8	ppb
⌊>	Sc	45	96138.513	96138.513				ppb
⌈	Fe	57	115558.923	2.081	**465.669**	5.506	1.2	ppb
⌊>	Ge	72	51309.034	51309.034				ppb
⌈>	Lu	175	71334.500	71334.500				ppb
⌊	Pb	208	1207.501	0.013	**0.033**	0.001	2.5	ppb

Quantitative Analysis - Summary

Sample ID: G311-131-6E x25

Autosampler Position: 22
Sample Date/Time: Wednesday, July 27, 2005 16:14 31
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\G311-131-6E x25 060

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	504006.129	4.513	**143.181**	1.000	0.7	ppb
	Mg	24	199469.241	1.848	**83.290**	0.338	0.4	ppb
	Al	27	5466549.554	51.727	**1611.154**	19.875	1.2	ppb
	K	39	828047.028	2.278	**42.035**	4.882	11.6	ppb
	Ca	43	29717.159	0.275	**1969.290**	12.692	0.6	ppb
>	Sc	45	105436.698	105436.698				ppb
	Fe	57	49502.043	0.683	**152.853**	3.579	2.3	ppb
>	Ge	72	57923.988	57923.988				ppb
>	Lu	175	80540.054	80540.054				ppb
	Pb	208	136295.885	1.689	**4.250**	0.030	0.7	ppb

Quantitative Analysis - Summary

Sample ID: G311-131-7E x25

Autosampler Position: 23
Sample Date/Time: Wednesday, July 27, 2005 16:17:59
Sample File: C:\elandata\Sample\072705b.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\G311-131-7E x25.061

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	339419.732	3.016	**95.666**	1.802	1.9	ppb
	Mg	24	195908.525	1.850	**83.392**	1.203	1.4	ppb
	Al	27	5180132.945	49.965	**1556.275**	12.475	0.8	ppb
	K	39	950253.308	3.603	**66.504**	2.938	4.4	ppb
	Ca	43	48647.805	0.464	**3317.725**	43.152	1.3	ppb
>	Sc	45	103437.415	103437.415				ppb
	Fe	57	23520.120	0.249	**55.754**	0.670	1.2	ppb
>	Ge	72	55837.189	55837.189				ppb
>	Lu	175	77968.231	77968.231				ppb
	Pb	208	15834.468	0.199	**0.501**	0.001	0.2	ppb

Quantitative Analysis - Summary

Sample ID: G311-131-7F dup x25

Autosampler Position: 24
Sample Date/Time: Wednesday, July 27, 2005 16:21:27
Sample File: C:\elandata\Sample\072705b.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\G311-131-7F dup x25.062

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	308584.466	2.866	**90.926**	0.341	0.4	ppb
	Mg	24	178947.247	1.772	**79.886**	0.219	0.3	ppb
	Al	27	4551955.993	46.078	**1435.211**	11.102	0.8	ppb
	K	39	885246.295	3.403	**62.807**	2.405	3.8	ppb
	Ca	43	43973.392	0.440	**3146.277**	45.985	1.5	ppb
>	Sc	45	98517.846	98517.846				ppb
	Fe	57	20618.256	0.217	**48.481**	0.891	1.8	ppb
>	Ge	72	53047.317	53047.317				ppb
>	Lu	175	73939.156	73939.156				ppb
	Pb	208	14201.316	0.188	**0.474**	0.009	1.8	ppb

Quantitative Analysis - Summary

Sample ID: G311-131-8E x25

Autosampler Position: 25
Sample Date/Time: Wednesday, July 27, 2005 16:24:56
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\G311-131-8E x25.063

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	1310658.518	13.839	**439.024**	5.427	1.2	ppb
	Mg	24	255494.800	2.707	**122.051**	0.355	0.3	ppb
	Al	27	4586970.400	49.273	**1534.723**	24.197	1.6	ppb
	K	39	1026821.925	5.531	**102.079**	11.158	10.9	ppb
	Ca	43	19606.816	0.205	**1464.570**	16.606	1.1	ppb
>	Sc	45	92847.006	92847.006				ppb
	Fe	57	37427.192	0.568	**127.095**	4.745	3.7	ppb
>	Ge	72	50718.236	50718.236				ppb
>	Lu	175	70553.374	70553.374				ppb
	Pb	208	39378.619	0.554	**1.394**	0.014	1.0	ppb

Quantitative Analysis - Summary

Sample ID: G311-131-9E x25

Autosampler Position: 26
Sample Date/Time: Wednesday, July 27, 2005 16 28:25
Sample File: C \elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\G311-131-9E x25 064

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	1029641 042	9 202	**291.917**	1 774	0 6	ppb
	Mg	24	196586.363	1 764	**79.510**	0 795	1 0	ppb
	Al	27	604477 927	5 443	**169.531**	2 681	1 6	ppb
	K	39	839047 939	2.131	**39.322**	1 660	4 2	ppb
	Ca	43	19978 048	0 177	**1267.138**	26.851	2 1	ppb
>	Sc	45	108745 003	108745.003				ppb
	Fe	57	39262.913	0.506	**113.284**	3.014	2.7	ppb
>	Ge	72	57887 270	57887 270				ppb
>	Lu	175	79538 111	79538 111				ppb
	Pb	208	5299 063	0 063	**0.158**	0 004	2.4	ppb

Quantitative Analysis - Summary

Sample ID: G460-29-1G x25

Autosampler Position: 27
Sample Date/Time: Wednesday, July 27, 2005 16:31:54
Sample File: C \elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\G460-29-1G x25.065

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc RSD	Sample Unit
	Na	23	8061933 310	76.042	**2412.362**	18.835	0.8	ppb
	Mg	24	4913927.706	46.465	**2094.680**	32 540	1.6	ppb
	Al	27	1813163.938	17.090	**532.291**	17.045	3.2	ppb
	K	39	1558188.417	9.206	**169.903**	10.458	6.2	ppb
	Ca	43	51195.200	0 478	**3416.988**	56.784	1.7	ppb
>	Sc	45	105606.279	105606.279				ppb
	Fe	57	194759.041	3.242	**725.525**	6.383	0.9	ppb
>	Ge	72	57081.295	57081 295				ppb
>	Lu	175	79043.169	79043.169				ppb
	Pb	208	32070.628	0.402	**1.011**	0.014	1.4	ppb

Quantitative Analysis - Summary

Sample ID: G311-130-1N x25

Autosampler Position: 28
Sample Date/Time: Wednesday, July 27, 2005 16 35:24
Sample File: C \elandata\Sample\072705b.sam
Method File c:\elandata\Method\6020 mth
Dataset File C:\elandata\Dataset\072705\G311-130-1N x25 066

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc RSD	Sample Unit
	Na	23	542028.452	5.330	**169.077**	2.479	1.5	ppb
	Mg	24	805081.676	8.267	**372.684**	5.289	1.4	ppb
	Al	27	1647347.325	16.907	**526.619**	4.891	0.9	ppb
	K	39	2107996.210	16.217	**299.307**	3.272	1.1	ppb
	Ca	43	43276.308	0.440	**3150.769**	51.788	1.6	ppb
>	Sc	45	96748.285	96748.285				ppb
	Fe	57	37033.155	0.540	**120.962**	2.012	1.7	ppb
>	Ge	72	52024.379	52024.379				ppb
>	Lu	175	72319.973	72319.973				ppb
	Pb	208	41374.460	0.568	**1.429**	0.029	2.1	ppb

Quantitative Analysis - Summary

Sample ID: pb3306 x25

Autosampler Position: 29
Sample Date/Time: Wednesday, July 27, 2005 16:38:54
Sample File: C:\elandata\Sample\072705b.sam
Method File: c \elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\pb3306 x25.067

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	48965.208	0.243	**7.698**	0.347	4.5	ppb
|	Mg	24	1081.717	-0.033	**-1.478**	0.138	9.3	ppb
|	Al	27	2834.494	-0.087	**-2.698**	0.246	9.1	ppb
|	K	39	516244.404	-0.191	**-3.534**	8.806	249.2	ppb
|	Ca	43	603.881	-0.000	**-1.998**	6.137	307.2	ppb
⌊>	Sc	45	96387.192	96387.192				ppb
⌈	Fe	57	8344.346	-0.008	**-1.894**	3.088	163.0	ppb
⌊>	Ge	72	51346.603	51346.603				ppb
⌈>	Lu	175	70659.989	70659.989				ppb
⌊	Pb	208	365.792	0.001	**0.004**	0.001	18.0	ppb

Quantitative Analysis - Summary

Sample ID: lcs3306 x25

Autosampler Position: 30
Sample Date/Time: Wednesday, July 27, 2005 16:42:24
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\lcs3306 x25 068

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	52571.541	0.372	**11.801**	0.264	2.2	ppb
|	Mg	24	993.850	-0.032	**-1.449**	0.048	3.3	ppb
|	Al	27	3074.146	-0.079	**-2.468**	0.108	4.4	ppb
|	K	39	529310.064	0.847	**15.626**	5.127	32.8	ppb
|	Ca	43	600.176	0.001	**4.927**	3.662	74.3	ppb
⌊>	Sc	45	82424.370	82424.370				ppb
⌈	Fe	57	26815.867	0.445	**99.523**	1.414	1.4	ppb
⌊>	Ge	72	43471.203	43471.203				ppb
⌈>	Lu	175	59939.350	59939.350				ppb
⌊	Pb	208	430087.716	7.171	**18.043**	0.193	1.1	ppb

Quantitative Analysis - Summary

Sample ID: ccv3

Autosampler Position: 3
Sample Date/Time: Wednesday, July 27, 2005 16 45:53
Sample File C:\elandata\Sample\072705b sam
Method File c \elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\ccv3 069

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	21679.447	-0.051	**-1.624**	0.327	20.1	ppb
	Mg	24	1325.154	-0.031	**-1.401**	0.062	4.4	ppb
	Al	27	6249.047	-0.055	**-1.707**	0.093	5.4	ppb
	K	39	527437.595	-0.354	**-6.539**	5.083	77.7	ppb
	Ca	43	736.509	0.001	**5.081**	5.136	101.1	ppb
>	Sc	45	101093.534	101093.534				ppb
	Fe	57	8581.290	-0.012	**-2.625**	1.180	44.9	ppb
>	Ge	72	53577.503	53577.503				ppb
>	Lu	175	73887.041	73887.041				ppb
	Pb	208	145839.379	1.971	**4.959**	0.040	0.8	ppb

Quantitative Analysis - Summary

Sample ID: ccb3

Autosampler Position: 1
Sample Date/Time: Wednesday, July 27, 2005 16:49:21
Sample File: C:\elandata\Sample\072705b.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\ccb3.070

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	24852.369	-0.007	**-0.225**	0.186	82.4	ppb
	Mg	24	3757.330	-0.005	**-0.229**	0.023	10.2	ppb
	Al	27	9883.237	-0.014	**-0.424**	0.108	25.4	ppb
	K	39	532239.019	-0.039	**-0.718**	1.221	170.1	ppb
	Ca	43	787.794	0.002	**11.461**	3.327	29.0	ppb
>	Sc	45	95962.023	95962.023				ppb
	Fe	57	8908.636	0.003	**0.699**	0.593	84.7	ppb
>	Ge	72	50831.912	50831.912				ppb
>	Lu	175	70357.007	70357.007				ppb
	Pb	208	347.852	0.001	**0.003**	0.000	12.1	ppb

Quantitative Analysis - Summary

Sample ID: lcd3306 x25

Autosampler Position: 31
Sample Date/Time: Wednesday, July 27, 2005 16:52:50
Sample File: C:\elandata\Sample\072705b.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\lcd3306 x25 071

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	51964.135	0.268	**8.497**	0.443	5.2	ppb
	Mg	24	1584.442	-0.028	**-1.258**	0.047	3.8	ppb
	Al	27	5767.868	-0.057	**-1.783**	0.080	4.5	ppb
	K	39	524332.232	-0.117	**-2.166**	14.028	647.6	ppb
	Ca	43	920.236	0.003	**21.226**	8.658	40.8	ppb
>	Sc	45	97632.924	97632.924				ppb
	Fe	57	25318.332	0.317	**70.842**	4.511	6.4	ppb
>	Ge	72	52071.153	52071.153				ppb
>	Lu	175	72142.096	72142.096				ppb
	Pb	208	404516.796	5.594	**14.077**	0.230	1.6	ppb

Quantitative Analysis - Summary

Sample ID: G122-2627-1N x25

Autosampler Position: 32
Sample Date/Time: Wednesday, July 27, 2005 16:56:19
Sample File: C:\elandata\Sample\072705b.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\G122-2627-1N x25.072

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	1038306.704	9.825	**311.694**	5.414	1.7	ppb
|	Mg	24	399790.357	3.841	**173.158**	2.721	1.6	ppb
|	Al	27	160708.629	1.445	**45.003**	0.553	1.2	ppb
|	K	39	792821.518	2.130	**39.315**	6.455	16.4	ppb
|	Ca	43	4731.766	0.039	**281.523**	2.759	1.0	ppb
⌊>	Sc	45	102978.271	102978.271				ppb
⌈	Fe	57	17752.494	0.158	**35.253**	1.623	4.6	ppb
⌊>	Ge	72	53895.023	53895.023				ppb
⌈>	Lu	175	75357.746	75357.746				ppb
⌊	Pb	208	12493.204	0.162	**0.407**	0.007	1.8	ppb

Quantitative Analysis - Summary

Sample ID: G122-2627-1O ms x25

Autosampler Position: 33
Sample Date/Time: Wednesday, July 27, 2005 16:59:46
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\G122-2627-1O ms x25.073

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	1047168.901	9.694	**307.532**	4.745	1.5	ppb
	Mg	24	402256.480	3.781	**170.468**	1.980	1.2	ppb
	Al	27	171415.488	1.514	**47.148**	0.729	1.5	ppb
	K	39	785847.450	1.889	**34.871**	2.652	7.6	ppb
	Ca	43	4789.941	0.039	**278.684**	8.956	3.2	ppb
>	Sc	45	105160.506	105160.506				ppb
	Fe	57	35897.621	0.466	**104.208**	2.253	2.2	ppb
>	Ge	72	56294.607	56294.607				ppb
>	Lu	175	78099.681	78099.681				ppb
	Pb	208	447268.489	5.723	**14.401**	0.078	0.5	ppb

Quantitative Analysis - Summary

Sample ID: G122-2627-1P msd x25

Autosampler Position: 34
Sample Date/Time: Wednesday, July 27, 2005 17:03:12
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File C \elandata\Dataset\072705\G122-2627-1P msd x25 074

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	1020950.352	9.737	**308.898**	1.594	0.5	ppb
	Mg	24	394933.843	3.826	**172.499**	1.549	0.9	ppb
	Al	27	179697.080	1.645	**51.230**	0.477	0.9	ppb
	K	39	774278.642	2.012	**37.127**	4.667	12.6	ppb
	Ca	43	4621.365	0.039	**276.599**	1.506	0.5	ppb
>	Sc	45	102046.708	102046.708				ppb
	Fe	57	36048.319	0.488	**109.250**	1.650	1.5	ppb
>	Ge	72	54577.961	54577.961				ppb
>	Lu	175	74894.465	74894.465				ppb
	Pb	208	451055.869	6.017	**15.142**	0.123	0.8	ppb

Quantitative Analysis - Summary

Sample ID: G460-31-3I x25

Autosampler Position: 35
Sample Date/Time: Wednesday, July 27, 2005 17 06 39
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\G460-31-3I x25.075

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc RSD	Sample Unit
	Na	23	1052821.585	10.380	**329.288**	8.364	2.5	ppb
	Mg	24	150816.507	1.480	**66.740**	1.360	2.0	ppb
	Al	27	17641.288	0.062	**1.926**	0.220	11.4	ppb
	K	39	988294.187	4.412	**81.422**	5.869	7.2	ppb
	Ca	43	3487.630	0.029	**205.084**	10.686	5.2	ppb
>	Sc	45	98966.302	98966.302				ppb
	Fe	57	9877.007	0.014	**3.240**	0.954	29.4	ppb
>	Ge	72	52959.273	52959.273				ppb
>	Lu	175	73673.955	73673.955				ppb
	Pb	208	48692.637	0.657	**1.653**	0.030	1.8	ppb

Quantitative Analysis - Summary

Sample ID: G460-31-3I dup x25

Autosampler Position: 36
Sample Date/Time: Wednesday, July 27, 2005 17:10 06
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\G460-31-3I dup x25 076

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	1061240.767	10.613	**336.703**	5.120	1.5	ppb
	Mg	24	153682.076	1.532	**69.046**	1.347	2.0	ppb
	Al	27	17634.545	0.064	**2.001**	0.140	7.0	ppb
	K	39	988066.478	4.551	**83.996**	5.319	6.3	ppb
	Ca	43	3564.516	0.030	**214.250**	12.785	6.0	ppb
>	Sc	45	97584.590	97584.590				ppb
	Fe	57	9660.127	0.012	**2.679**	0.679	25.3	ppb
>	Ge	72	52481.881	52481.881				ppb
>	Lu	175	72924.965	72924.965				ppb
	Pb	208	48884.129	0.666	**1.676**	0.047	2.8	ppb

Quantitative Analysis - Summary

Sample ID: G161-2085-1M x25

Autosampler Position: 37

Sample Date/Time: Wednesday, July 27, 2005 17 13:34

Sample File: C:\elandata\Sample\072705b.sam

Method File: c:\elandata\Method\6020 mth

Dataset File: C:\elandata\Dataset\072705\G161-2085-1M x25.077

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	281114.268	2.562	**81.289**	1.165	1.4	ppb
	Mg	24	311037.976	3.086	**139.131**	2.809	2.0	ppb
	Al	27	352190.108	3.428	**106.766**	1.952	1.8	ppb
	K	39	1069696.445	5.189	**95.764**	7.277	7.6	ppb
	Ca	43	15271.854	0.147	**1052.396**	25.255	2.4	ppb
>	Sc	45	99445.136	99445.136				ppb
	Fe	57	44408.308	0.659	**147.454**	3.286	2.2	ppb
>	Ge	72	53478.939	53478.939				ppb
>	Lu	175	74041.265	74041.265				ppb
	Pb	208	156994.358	2.117	**5.326**	0.048	0.9	ppb

Quantitative Analysis - Summary

Sample ID: G161-2085-1M x125 SD

Autosampler Position: 38
Sample Date/Time: Wednesday, July 27, 2005 17:17:01
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\G161-2085-1M x125 SD 078

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	74045.405	0.476	**15.106**	0.353	2.3	ppb
	Mg	24	64172.215	0.599	**27.003**	0.229	0.8	ppb
	Al	27	73197.634	0.617	**19.217**	0.308	1.6	ppb
	K	39	645807.150	0.895	**16.523**	4.612	27.9	ppb
	Ca	43	3505.258	0.029	**204.234**	10.885	5.3	ppb
>	Sc	45	99791.536	99791.536				ppb
	Fe	57	15764.914	0.126	**28.188**	1.713	6.1	ppb
>	Ge	72	52941.954	52941.954				ppb
>	Lu	175	74134.134	74134.134				ppb
	Pb	208	31852.506	0.426	**1.072**	0.008	0.7	ppb

Quantitative Analysis - Summary

Sample ID: G161-2085-1M x25 PDS

Autosampler Position: 39
Sample Date/Time: Wednesday, July 27, 2005 17:20:30
Sample File: C:\elandata\Sample\072705b.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\G161-2085-1M x25 PDS 079

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	288850.419	2.585	**82.002**	0.965	1.2	ppb
	Mg	24	317476.252	3.090	**139.289**	1.270	0.9	ppb
	Al	27	358860.131	3.426	**106.715**	1.371	1.3	ppb
	K	39	1092456.979	5.202	**96.016**	4.578	4.8	ppb
	Ca	43	15478.875	0.146	**1046.088**	22.436	2.1	ppb
>	Sc	45	101321.690	101321.690				ppb
	Fe	57	45481.362	0.660	**147.609**	1.199	0.8	ppb
>	Ge	72	54686.694	54686.694				ppb
>	Lu	175	75445.908	75445.908				ppb
	Pb	208	189877.116	2.513	**6.322**	0.063	1.0	ppb

Quantitative Analysis - Summary

Sample ID: ccv4

Autosampler Position: 3
Sample Date/Time: Wednesday, July 27. 2005 17:23:58
Sample File: C:\elandata\Sample\072705b.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\ccv4.080

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	21758.326	-0.041	**-1.309**	0.181	13.8	ppb
	Mg	24	1358.162	-0.030	**-1.360**	0.055	4.1	ppb
	Al	27	6110.613	-0.053	**-1.666**	0.054	3.2	ppb
	K	39	530236.367	-0.102	**-1.888**	3.811	201.8	ppb
	Ca	43	696.421	0.001	**4.457**	8.160	183.1	ppb
>	Sc	45	96831.481	96831.481				ppb
	Fe	57	8550.150	-0.008	**-1.775**	0.926	52.2	ppb
>	Ge	72	52105.016	52105.016				ppb
>	Lu	175	71300.986	71300.986				ppb
	Pb	208	142925.957	2.001	**5.034**	0.081	1.6	ppb

Quantitative Analysis - Summary

Sample ID: ccb4

Autosampler Position: 1
Sample Date/Time: Wednesday, July 27, 2005 17:27:25
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C \elandata\Dataset\072705\ccb4 081

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	26837.675	0.002	**0.064**	0.099	154.8	ppb
	Mg	24	4034.612	-0.004	**-0.178**	0.005	2.8	ppb
	Al	27	10412.418	-0.013	**-0.393**	0.017	4.3	ppb
	K	39	549241.657	-0.097	**-1.792**	1.491	83.2	ppb
	Ca	43	829.884	0.002	**12.115**	6.381	52.7	ppb
>	Sc	45	100086.913	100086.913				ppb
	Fe	57	8966.317	-0.004	**-1.003**	0.677	67.5	ppb
>	Ge	72	53472.020	53472.020				ppb
>	Lu	175	73872.963	73872.963				ppb
	Pb	208	336.560	0.001	**0.002**	0.001	47.4	ppb

Quantitative Analysis - Summary

Sample ID: icsA2
Autosampler Position: ~~8~~ wrong AS loc.
Sample Date/Time: Wednesday, July 27, 2005 17:30:55
Sample File: C:\elandata\Sample\072705b.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\icsA2 082

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	651.817	0.104	**3.304**	3.646	110.4	ppb
	Mg	24	19.788	-0.033	**-1.484**	0.653	44.0	ppb
	Al	27	199.208	-0.004	**-0.114**	0.624	547.4	ppb
	K	39	332470.995	182.772	**3373.291**	126.278	3.7	ppb
	Ca	43	289.839	0.157	**1125.086**	88.440	7.9	ppb
>	Sc	45	1766.183	1766.183				ppb
	Fe	57	3924.989	16.088	**3600.839**	354.261	9.8	ppb
>	Ge	72	242.727	242.727				ppb
>	Lu	175	11.267	11.267				ppb
	Pb	208	304.547	52.151	**131.227**	136.122	103.7	ppb

Quantitative Analysis - Summary

Sample ID: icsB2

Autosampler Position: 9
Sample Date/Time: Wednesday, July 27, 2005 17 34:24
Sample File: C \elandata\Sample\072705b sam
Method File: c \elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\icsB2 083

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	13551973.310	151.666	**4811.495**	55 343	1 2	ppb
	Mg	24	9335840.855	104 624	**4716.571**	34 068	0 7	ppb
	Al	27	13680767.551	153.273	**4774.000**	18.569	0.4	ppb
	K	39	24821277 414	272 719	**5033.372**	33.229	0.7	ppb
	Ca	43	60283.840	0.669	**4788.012**	19.538	0 4	ppb
>	Sc	45	89187 949	89187 949				ppb
	Fe	57	1061909 147	20.677	**4627.804**	17 051	0 4	ppb
>	Ge	72	50936 510	50936.510				ppb
>	Lu	175	71038.537	71038.537				ppb
	Pb	208	1016 425	0 011	**0.026**	0 001	2 3	ppb

Quantitative Analysis - Summary

Sample ID: ccv5

Autosampler Position: 3
Sample Date/Time: Wednesday. July 27, 2005 17 37 51
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\ccv5 084

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	22032.839	-0.027	**-0.854**	0.706	82.7	ppb
	Mg	24	2270.272	-0 019	**-0.868**	0 577	66.5	ppb
	Al	27	7100 652	-0.039	**-1.218**	0.611	50 1	ppb
	K	39	528401.794	0.144	**2.664**	5.283	198.3	ppb
	Ca	43	651.694	0.000	**3.318**	4.273	128.8	ppb
>	Sc	45	92401.007	92401.007				ppb
	Fe	57	8626.920	0.002	**0.550**	1.237	224.9	ppb
>	Ge	72	49455.049	49455.049				ppb
>	Lu	175	69237.096	69237.096				ppb
	Pb	208	137801 878	1.986	**4.998**	0.032	0 6	ppb

Quantitative Analysis - Summary

Sample ID: cvs5

Autosampler Position: 5
Sample Date/Time: Wednesday, July 27, 2005 17:41 19
Sample File C:\elandata\Sample\072705b sam
Method File c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\cvs5 085

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	1714981 223	17 659	**560.225**	36 109	6 4	ppb
	Mg	24	1261959.984	13 102	**590.641**	3 058	0 5	ppb
	Al	27	1763109.713	18.267	**568.957**	8.277	1.5	ppb
	K	39	3164488.175	27 365	**505.057**	8.115	1.6	ppb
	Ca	43	7543.602	0 072	**515.037**	2 382	0.5	ppb
>	Sc	45	95976 804	95976 804				ppb
	Fe	57	126476.732	2.262	**506.195**	1 693	0.3	ppb
>	Ge	72	51974.869	51974 869				ppb
>	Lu	175	72461 266	72461.266				ppb
	Pb	208	672 082	0 006	**0.014**	0.002	11 2	ppb

Quantitative Analysis - Summary

Sample ID: ccb5

Autosampler Position: 1
Sample Date/Time: Wednesday, July 27, 2005 17:44:47
Sample File: C:\elandata\Sample\072705b sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\ccb5.086

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	25551.504	-0.001	**-0.043**	0.221	520.2	ppb
	Mg	24	4077.359	-0.002	**-0.086**	0.131	151.4	ppb
	Al	27	10263.338	-0.010	**-0.318**	0.142	44.7	ppb
	K	39	542121.154	0.038	**0.693**	4.747	685.3	ppb
	Ca	43	765.633	0.001	**9.691**	6.839	70.6	ppb
>	Sc	45	96590.725	96590.725				ppb
	Fe	57	9229.418	0.009	**2.052**	1.881	91.7	ppb
>	Ge	72	50995.989	50995.989				ppb
>	Lu	175	70431.961	70431.961				ppb
	Pb	208	299.499	0.000	**0.001**	0.000	38.7	ppb

Quantitative Analysis - Summary

Sample ID: Blank

Autosampler Position: 1
Sample Date/Time: Thursday, July 28, 2005 08:52:58
Sample File: C:\elandata\Sample\072805a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\Blank.087

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	30325.143					ppb
	Mg	24	5881.969					ppb
	Al	27	13539.443					ppb
	K	39	576256.236					ppb
	Ca	43	825.306					ppb
>	Sc	45	114722.837					ppb
	Fe	57	10564.598					ppb
>	Ge	72	59840.146					ppb
>	Lu	175	83193.883					ppb
	Pb	208	412.693					ppb

Quantitative Analysis - Summary

Sample ID: Standard 1

Autosampler Position: 2
Sample Date/Time: Thursday, July 28, 2005 08:56:26
Sample File: C:\elandata\Sample\072805a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\Standard 1 088

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	24231.985	-0.056				ppb
	Mg	24	1916.405	-0.035				ppb
	Al	27	5843.966	-0.068				ppb
	K	39	572775.254	-0.091				ppb
	Ca	43	805.483	-0.000				ppb
>	Sc	45	116150.602	116150.602				ppb
	Fe	57	10203.655	-0.008				ppb
>	Ge	72	60617.199	60617.199				ppb
>	Lu	175	83752.934	83752.934				ppb
	Pb	208	3830.575	0.041	**0.100**	0.002	1.6	ppb

Quantitative Analysis - Summary

Sample ID: Standard 2

Autosampler Position: 3
Sample Date/Time Thursday, July 28, 2005 08:59 54
Sample File C:\elandata\Sample\072805a sam
Method File c:\elandata\Method\6020 mth
Dataset File C:\elandata\Dataset\072705\Standard 2 089

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	22427.955	-0.051				ppb
	Mg	24	1808.206	-0.034				ppb
	Al	27	6374.757	-0.057				ppb
	K	39	550844.177	0.221				ppb
	Ca	43	792.671	0.000				ppb
>	Sc	45	105048.651	105048.651				ppb
	Fe	57	9825.453	-0.000				ppb
>	Ge	72	55746.048	55746.048				ppb
>	Lu	175	77085.915	77085.915				ppb
	Pb	208	152347.206	1.971	**5.000**	0.016	0.3	ppb

Quantitative Analysis - Summary

Sample ID: Standard 3

Autosampler Position: 4
Sample Date/Time: Thursday, July 28, 2005 09 03:22
Sample File: C:\elandata\Sample\072805a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\Standard 3 090

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	55426.167	0.268	**10.000**	0.284	2.8	ppb
	Mg	24	29539.184	0.233	**10.000**	0.169	1.7	ppb
	Al	27	44653.095	0.311	**10.000**	0.286	2.9	ppb
	K	39	614167.598	0.881	**10.000**	0.760	7.6	ppb
	Ca	43	1182.234	0.004	**10.000**	0.493	4.9	ppb
>	Sc	45	104035.388	104035.388				ppb
	Fe	57	12222.672	0.050	**10.000**	0.639	6.4	ppb
>	Ge	72	54067.722	54067.722				ppb
>	Lu	175	76174.180	76174.180				ppb
	Pb	208	295989.830	3.881	**9.968**	0.132	1.3	ppb

Quantitative Analysis - Summary

Sample ID: Standard 4

Autosampler Position: 5
Sample Date/Time: Thursday, July 28, 2005 09:06:50
Sample File: C:\elandata\Sample\072805a sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\Standard 4 091

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	1686596.264	15.637	**500.028**	11.272	2.3	ppb
	Mg	24	1368968.015	12.855	**500.019**	4.409	0.9	ppb
	Al	27	1831092.628	17.145	**500.018**	8.072	1.6	ppb
	K	39	3318157.651	26.259	**499.865**	2.551	0.5	ppb
	Ca	43	8183.111	0.070	**499.605**	10.116	2.0	ppb
>	Sc	45	106074.716	106074.716				ppb
	Fe	57	135488.399	2.289	**499.984**	5.708	1.1	ppb
>	Ge	72	54948.422	54948.422				ppb
>	Lu	175	78847.333	78847.333				ppb
	Pb	208	714.407	0.004	**0.011**	0.001	13.7	ppb

Quantitative Analysis - Summary

Sample ID: Standard 5

Autosampler Position: 6
Sample Date/Time Thursday, July 28, 2005 09 10 19
Sample File C:\elandata\Sample\072805a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\Standard 5 092

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	3173123.961	29.394	**987.372**	2.133	0.2	ppb
	Mg	24	2197841.811	20.491	**951.530**	2.408	0.3	ppb
	Al	27	3190861.149	29.709	**970.088**	12.888	1.3	ppb
	K	39	6219333.577	53.109	**1002.182**	7.910	0.8	ppb
	Ca	43	15242.171	0.135	**993.111**	35.887	3.6	ppb
>	Sc	45	106992.374	106992.374				ppb
	Fe	57	263055.552	4.395	**991.706**	6.497	0.7	ppb
>	Ge	72	57540.377	57540.377				ppb
>	Lu	175	81287.116	81287.116				ppb
	Pb	208	429.342	0.000	**0.001**	0.000	19.2	ppb

Quantitative Analysis - Summary

Sample ID: icv

Autosampler Position: 7
Sample Date/Time: Thursday, July 28, 2005 09:13:49
Sample File: C \elandata\Sample\072805a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\icv 093

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	15749337.364	145.506	**4887.756**	87.303	1.8	ppb
|	Mg	24	11079527.159	102.499	**4759.626**	73.721	1.5	ppb
|	Al	27	806880.809	7.351	**240.026**	3.099	1.3	ppb
|	K	39	29691743.232	269.834	**5091.805**	39.043	0.8	ppb
|	Ca	43	70248.135	0.643	**4719.162**	57.125	1.2	ppb
⌊>	Sc	45	108024.027	108024.027				ppb
⌈	Fe	57	37550.703	0.483	**108.996**	1.285	1.2	ppb
⌊>	Ge	72	56932.897	56932.897				ppb
⌈>	Lu	175	82139.672	82139.672				ppb
⌊	Pb	208	155725.196	1.891	**4.856**	0.030	0.6	ppb

Quantitative Analysis - Summary

Sample ID: icsA1

Autosampler Position: 9
Sample Date/Time: Thursday, July 28, 2005 09:17:17
Sample File: C:\elandata\Sample\072805a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\icsA1 094

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	16916684.359	145.742	**4895.684**	73.241	1.5	ppb
	Mg	24	11691109.454	100.851	**4683.090**	58.227	1.2	ppb
	Al	27	17213856.508	148.459	**4847.647**	91.999	1.9	ppb
	K	39	31983742.949	271.000	**5113.802**	30.247	0.6	ppb
	Ca	43	76993.952	0.657	**4823.137**	32.928	0.7	ppb
>	Sc	45	115879.428	115879.428				ppb
	Fe	57	1353047.827	20.895	**4714.584**	51.500	1.1	ppb
>	Ge	72	64218.763	64218.763				ppb
>	Lu	175	88847.937	88847.937				ppb
	Pb	208	1263.304	0.009	**0.024**	0.001	3.9	ppb

Quantitative Analysis - Summary

Sample ID: icsB1

Autosampler Position: 10
Sample Date/Time: Thursday, July 28, 2005 09:20:45
Sample File: C:\elandata\Sample\072805a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\icsB1.095

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	15324644.265	152.289	**5115.600**	19.947	0.4	ppb
	Mg	24	10603580.682	105.508	**4899.310**	53.794	1.1	ppb
	Al	27	15525111.240	154.432	**5042.660**	27.235	0.5	ppb
	K	39	28430084.751	277.986	**5245.634**	9.239	0.2	ppb
	Ca	43	68918.317	0.679	**4981.982**	32.897	0.7	ppb
>	Sc	45	100455.593	100455.593				ppb
	Fe	57	1207856.344	20.762	**4684.544**	82.722	1.8	ppb
>	Ge	72	57680.366	57680.366				ppb
>	Lu	175	81344.677	81344.677				ppb
	Pb	208	94473.560	1.157	**2.971**	0.039	1.3	ppb

Quantitative Analysis - Summary

Sample ID: lowstd
Autosampler Position: 2
Sample Date/Time: Thursday, July 28, 2005 09:24:13
Sample File: C:\elandata\Sample\072805a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\lowstd.096

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	23411.084	-0.040	**-1.332**	0.508	38.1	ppb
	Mg	24	2417.964	-0.028	**-1.300**	0.390	30.0	ppb
	Al	27	5913.760	-0.061	**-1.998**	0.362	18.1	ppb
	K	39	569767.198	0.443	**8.351**	2.943	35.2	ppb
	Ca	43	787.628	0.000	**2.659**	3.531	132.8	ppb
>	Sc	45	104288.600	104288.600				ppb
	Fe	57	10134.773	0.009	**2.101**	0.667	31.8	ppb
>	Ge	72	54539.683	54539.683				ppb
>	Lu	175	76788.007	76788.007				ppb
	Pb	208	3377.635	0.039	**0.100**	0.003	3.1	ppb

Quantitative Analysis - Summary

Sample ID: ccv1

Autosampler Position: 3
Sample Date/Time: Thursday, July 28, 2005 09:27:41
Sample File: C:\elandata\Sample\072805a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\ccv1.097

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	22982.608	-0.039	**-1.315**	0.529	40.3	ppb
	Mg	24	2214.878	-0.030	**-1.371**	0.361	26.3	ppb
	Al	27	6831.779	-0.051	**-1.667**	0.207	12.4	ppb
	K	39	560747.502	0.469	**8.851**	1.443	16.3	ppb
	Ca	43	796.715	0.001	**4.488**	2.433	54.2	ppb
>	Sc	45	102113.985	102113.985				ppb
	Fe	57	10145.161	0.013	**2.968**	0.897	30.2	ppb
>	Ge	72	53474.716	53474.716				ppb
>	Lu	175	75921.922	75921.922				ppb
	Pb	208	146959.317	1.931	**4.959**	0.037	0.7	ppb

Quantitative Analysis - Summary

Sample ID: cvs1
Autosampler Position: 5
Sample Date/Time: Thursday, July 28, 2005 09:31:09
Sample File: C:\elandata\Sample\072805a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\cvs1 098

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc. RSD	Sample Unit
	Na	23	1708209.798	16.260	**546.203**	5.923	1.1	ppb
	Mg	24	1342656.530	12.936	**600.706**	1.071	0.2	ppb
	Al	27	1823708.832	17.525	**572.246**	14.047	2.5	ppb
	K	39	3332041.046	27.208	**513.417**	1.639	0.3	ppb
	Ca	43	8078.285	0.071	**520.665**	3.617	0.7	ppb
>	Sc	45	103380.364	103380.364				ppb
	Fe	57	133781.580	2.273	**512.830**	4.146	0.8	ppb
>	Ge	72	54617.314	54617.314				ppb
>	Lu	175	78110.621	78110.621				ppb
	Pb	208	707.534	0.004	**0.011**	0.000	2.2	ppb

Quantitative Analysis - Summary

Sample ID: ccb1

Autosampler Position: 1
Sample Date/Time Thursday, July 28, 2005 09:34:37
Sample File: C:\elandata\Sample\072805a sam
Method File c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\ccb1 099

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	30230.812	0.004	**0.123**	0.250	203.6	ppb
	Mg	24	5136.224	-0.006	**-0.267**	0.217	81.3	ppb
	Al	27	11968.609	-0.012	**-0.389**	0.131	33.8	ppb
	K	39	593802.646	0.241	**4.554**	0.511	11.2	ppb
	Ca	43	975.245	0.001	**10.651**	2.170	20.4	ppb
>	Sc	45	112797.794	112797.794				ppb
	Fe	57	11186.164	0.015	**3.412**	0.774	22.7	ppb
>	Ge	72	58363.124	58363.124				ppb
>	Lu	175	81942.488	81942.488				ppb
	Pb	208	340.189	-0.001	**-0.002**	0.000	16.2	ppb

Quantitative Analysis - Summary

Sample ID: lcs3306 x25

Autosampler Position: 11
Sample Date/Time: Thursday, July 28, 2005 09:38:05
Sample File: C:\elandata\Sample\072805a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\lcs3306 x25 100

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	109848.425	0.758	**25.462**	0.250	1.0	ppb
	Mg	24	10104.497	0.043	**1.988**	0.301	15.1	ppb
	Al	27	12436.639	-0.002	**-0.073**	0.195	266.7	ppb
	K	39	676625.204	1.275	**24.066**	2.718	11.3	ppb
	Ca	43	1070.990	0.003	**20.355**	3.434	16.9	ppb
>	Sc	45	107460.718	107460.718				ppb
	Fe	57	28915.963	0.341	**76.893**	0.864	1.1	ppb
>	Ge	72	55892.043	55892.043				ppb
>	Lu	175	78598.580	78598.580				ppb
	Pb	208	432825.501	5.502	**14.132**	0.115	0.8	ppb

Quantitative Analysis - Summary

Sample ID: lcd3306 x25

Autosampler Position: 12
Sample Date/Time Thursday, July 28, 2005 09:41:33
Sample File: C \elandata\Sample\072805a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C \elandata\Dataset\072705\lcd3306 x25 101

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	116511.184	0.744	**24.995**	0.921	3.7	ppb
	Mg	24	10627.751	0.041	**1.897**	0.533	28.1	ppb
	Al	27	12969.893	-0.006	**-0.185**	0.278	150.0	ppb
	K	39	702249.842	1.054	**19.897**	2.516	12.6	ppb
	Ca	43	1372.532	0.005	**34.407**	3.662	10.6	ppb
>	Sc	45	115591.776	115591.776				ppb
	Fe	57	31334.679	0.334	**75.338**	3.271	4.3	ppb
>	Ge	72	61399.128	61399.128				ppb
>	Lu	175	85336.396	85336.396				ppb
	Pb	208	466463.530	5.461	**14.027**	0.085	0.6	ppb

Quantitative Analysis - Summary

Sample ID: icsA2
Autosampler Position: 8
Sample Date/Time: Thursday, July 28, 2005 09:45:03
Sample File: C:\elandata\Sample\072805a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\icsA2 102

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	701.828	0.017	**0.560**	1.532	273.7	ppb
|	Mg	24	52.410	-0.031	**-1.422**	0.977	68.7	ppb
|	Al	27	274.370	-0.008	**-0.271**	0.907	334.1	ppb
|	K	39	346085.006	134.081	**2530.127**	96.762	3.8	ppb
|	Ca	43	348.975	0.133	**975.173**	85.069	8.7	ppb
⌊>	Sc	45	2490.782	2490.782				ppb
⌈	Fe	57	4682.595	17.464	**3940.333**	553.223	14.0	ppb
⌊>	Ge	72	268.661	268.661				ppb
⌈>	Lu	175	4.067	4.067				ppb
⌊	Pb	208	374.150	141.767	**364.131**	297.075	81.6	ppb

Quantitative Analysis - Summary

Sample ID: icsB2
Autosampler Position: 9
Sample Date/Time: Thursday, July 28, 2005 09:48:31
Sample File: C:\elandata\Sample\072805a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\icsB2.103

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	15306977.897	147.929	**4969.147**	21.805	0.4	ppb
	Mg	24	10633762.891	102.900	**4778.234**	10.657	0.2	ppb
	Al	27	15526658.583	150.202	**4904.542**	33.899	0.7	ppb
	K	39	28239674.450	268.384	**5064.431**	23.971	0.5	ppb
	Ca	43	68879.790	0.660	**4841.324**	63.586	1.3	ppb
>	Sc	45	103289.978	103289.978				ppb
	Fe	57	1207907.263	20.763	**4684.873**	22.179	0.5	ppb
>	Ge	72	57685.194	57685.194				ppb
>	Lu	175	81304.134	81304.134				ppb
	Pb	208	1177.448	0.010	**0.024**	0.002	7.1	ppb

Quantitative Analysis - Summary

Sample ID: ccv5

Autosampler Position: 3
Sample Date/Time: Thursday, July 28, 2005 09:51 59
Sample File C:\elandata\Sample\072805a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072705\ccv5 104

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	23415.382	-0.035	**-1.179**	0.266	22.5	ppb
|	Mg	24	2308.891	-0.029	**-1.329**	0.283	21.3	ppb
|	Al	27	7386.152	-0.046	**-1.491**	0.296	19.8	ppb
|	K	39	560381.601	0.462	**8.720**	1.716	19.7	ppb
|	Ca	43	759.675	0.000	**1.789**	3.747	209.4	ppb
⌊>	Sc	45	102178.480	102178.480				ppb
⌈	Fe	57	9965.144	0.006	**1.439**	0.987	68.6	ppb
⌊>	Ge	72	54493.346	54493.346				ppb
⌈>	Lu	175	76066.006	76066.006				ppb
⌊	Pb	208	149621.523	1.962	**5.040**	0.051	1.0	ppb

Quantitative Analysis - Summary

Sample ID: cvs5
Autosampler Position: 5
Sample Date/Time: Thursday, July 28, 2005 09:55:28
Sample File: C:\elandata\Sample\072805a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\cvs5.105

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	1711676.626	16.277	**546.779**	36.945	6.8	ppb
	Mg	24	1349822.871	12.988	**603.096**	1.742	0.3	ppb
	Al	27	1842366.866	17.676	**577.169**	14.207	2.5	ppb
	K	39	3360959.010	27.440	**517.793**	8.873	1.7	ppb
	Ca	43	8034.401	0.070	**516.822**	8.170	1.6	ppb
>	Sc	45	103521.987	103521.987				ppb
	Fe	57	134099.155	2.248	**507.203**	11.215	2.2	ppb
>	Ge	72	55333.484	55333.484				ppb
>	Lu	175	77964.977	77964.977				ppb
	Pb	208	766.614	0.005	**0.013**	0.002	18.3	ppb

Quantitative Analysis - Summary

Sample ID: ccb5

Autosampler Position: 1
Sample Date/Time: Thursday, July 28, 2005 09:58:56
Sample File: C \elandata\Sample\072805a.sam
Method File c:\elandata\Method\6020.mth
Dataset File C:\elandata\Dataset\072705\ccb5 106

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	29865.475	0.001	**0.032**	0.225	705.6	ppb
|	Mg	24	4792.716	-0.009	**-0.404**	0.119	29.4	ppb
|	Al	27	11767.838	-0.013	**-0.441**	0.078	17.7	ppb
|	K	39	584589.524	0.169	**3.188**	1.032	32.4	ppb
|	Ca	43	952.870	0.001	**9.324**	3.176	34.1	ppb
⌊>	Sc	45	112601.635	112601.635				ppb
⌈	Fe	57	11274.101	0.015	**3.403**	0.439	12.9	ppb
⌊>	Ge	72	58833.332	58833.332				ppb
⌈>	Lu	175	81778.574	81778.574				ppb
⌊	Pb	208	353.848	-0.001	**-0.002**	0.001	53.2	ppb

Quantitative Analysis - Summary

Sample ID: icsA2

Autosampler Position: 9
Sample Date/Time: Thursday, July 28, 2005 10:02:24
Sample File: C:\elandata\Sample\072805a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\icsA2.107

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	15112883.467	149.427	**5019.454**	33.904	0.7	ppb
	Mg	24	10449497.864	103.453	**4803.910**	74.561	1.6	ppb
	Al	27	15197105.070	150.405	**4911.191**	79.288	1.6	ppb
	K	39	27851285.448	270.840	**5110.787**	17.282	0.3	ppb
	Ca	43	67011.333	0.657	**4818.598**	45.416	0.9	ppb
>	Sc	45	100962.600	100962.600				ppb
	Fe	57	1190711.041	21.030	**4745.023**	7.131	0.2	ppb
>	Ge	72	56148.372	56148.372				ppb
>	Lu	175	78781.164	78781.164				ppb
	Pb	208	1120.630	0.009	**0.024**	0.001	5.1	ppb

Quantitative Analysis - Summary

Sample ID: icsB2

Autosampler Position: 10
Sample Date/Time Thursday, July 28, 2005 10:05:51
Sample File: C:\elandata\Sample\072805a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\icsB2.108

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	16109859.533	151.170	**5077.998**	45.236	0.9	ppb
	Mg	24	11123995.660	104.515	**4853.210**	32.150	0.7	ppb
	Al	27	16342127.925	153.499	**5012.200**	19.476	0.4	ppb
	K	39	30375317.034	280.507	**5293.197**	9.074	0.2	ppb
	Ca	43	73430.831	0.683	**5012.992**	49.789	1.0	ppb
>	Sc	45	106382.576	106382.576				ppb
	Fe	57	1294617.459	20.809	**4695.195**	11.700	0.2	ppb
>	Ge	72	61690.108	61690.108				ppb
>	Lu	175	86150.175	86150.175				ppb
	Pb	208	100475.178	1.162	**2.984**	0.051	1.7	ppb

Quantitative Analysis - Summary

Sample ID: ccv5
Autosampler Position: 3
Sample Date/Time: Thursday, July 28, 2005 10:09:19
Sample File: C \elandata\Sample\072805a.sam
Method File: c \elandata\Method\6020 mth
Dataset File: C \elandata\Dataset\072705\ccv5 109

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	24336.556	-0.018	**-0.607**	0.505	83.1	ppb
	Mg	24	2897.176	-0.022	**-1.018**	0.483	47.5	ppb
	Al	27	8366.744	-0.033	**-1.088**	0.448	41.2	ppb
	K	39	545775.733	0.498	**9.405**	1.097	11.7	ppb
	Ca	43	754.707	0.000	**3.248**	1.912	58.9	ppb
>	Sc	45	98854.257	98854.257				ppb
	Fe	57	10046.752	0.016	**3.501**	0.629	18.0	ppb
>	Ge	72	52314.276	52314.276				ppb
>	Lu	175	73618.239	73618.239				ppb
	Pb	208	145576.239	1.973	**5.066**	0.029	0.6	ppb

Quantitative Analysis - Summary

Sample ID: cvs5
Autosampler Position: 5
Sample Date/Time: Thursday, July 28, 2005 10:12:47
Sample File: C:\elandata\Sample\072805a.sam
Method File c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\cvs5.110

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	1705753.673	15.355	**515.785**	12.863	2.5	ppb
	Mg	24	1410849.316	12.865	**597.403**	7.026	1.2	ppb
	Al	27	1776327.998	16.142	**527.095**	2.613	0.5	ppb
	K	39	3518781.351	27.193	**513.131**	8.538	1.7	ppb
	Ca	43	8556.828	0.071	**522.217**	17.807	3.4	ppb
>	Sc	45	109244.123	109244.123				ppb
	Fe	57	142248.653	2.261	**510.064**	8.337	1.6	ppb
>	Ge	72	58370.799	58370.799				ppb
>	Lu	175	80815.453	80815.453				ppb
	Pb	208	797.127	0.005	**0.013**	0.002	12.2	ppb

Quantitative Analysis - Summary

Sample ID: ccb5
Autosampler Position: 1
Sample Date/Time: Thursday, July 28, 2005 10:16 15
Sample File: C:\elandata\Sample\072805a sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072705\ccb5 111

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	30858.864	0.012	**0.419**	0.464	110.9	ppb
|	Mg	24	5334.606	-0.003	**-0.159**	0.373	234.0	ppb
|	Al	27	13053.166	-0.001	**-0.031**	0.317	1017.6	ppb
|	K	39	571878.209	0.107	**2.012**	1.410	70.0	ppb
|	Ca	43	921.416	0.001	**7.868**	2.737	34.8	ppb
⌊>	Sc	45	111498.896	111498.896				ppb
⌈	Fe	57	11210.066	0.017	**3.927**	0.443	11.3	ppb
⌊>	Ge	72	57801.793	57801.793				ppb
⌈>	Lu	175	80870.526	80870.526				ppb
⌊	Pb	208	380.423	-0.000	**-0.001**	0.001	185.6	ppb

Metals Prep, Standard, Run Logs

Prep Report for Batch 3306 (METALS/3030C/WATER) on 2005-07-23 by rml

Sample ID (GCCODE)	EXT	InitVol	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time
G122-2627-1N (145959)		50			50		45105		93.5	16:30
G122-2627-1O (145960)	ms	50	0711-367	1	50		45105		93.5	16.30
G122-2627-1P (145961)	msd	50	0711-367	1	50		45105		93.5	16:30
G161-2085-1M (145962)		50			50		45105		93.5	12:15
G460-31-3I (145963)		50			50		45105		93.5	16:30
G460-31-3J (147748)	dup	50			50		45105		93.5	16:30
lcd3306	lcd	50	0711-367	1	50		45105		93.5	16:30
lcs3306	lcs	50	0711-367	1	50		45105		93.5	16:30
pb3306	pb	50			50		45105		93.5	16.30

Paradigm Analytical Labs

Inorganics Calibration Standards Log

Analyst	Date Made	Analysis	Standard Type	Batch ID	Source	Acid Lot #	Date Expires
RML	7-15-05	6010TAL	CB	MS071505-1	Barnstead	44313	7-22-05
			S1		0516-354		
			S2				
			S3		0516-355		
			S4				
			S5				
			QCCHK		S-616		
			ICSA		S-617		
			ICSB		0516-354		
PSW	7-18-05	6010TAL	CB	OES071805-1	Barnstead	45105	7-25-05
			S1		0620-360		
			S2		0620-361, 0620-362 S-576, S-565, S-567		
			S3		0620-361		
			S4		0620-362		
			S5		S-576, S-565, S-567		
			QCCHK		S-599, S-600, S-601		
			ICSA		S-611, S-612, S-613, S-614		
			ICSB		0620-363		
RML	7-25-05	6010TAL	CB	MS072505-1	Barnstead	44313	8-1-05
			S1		0725-369		
			S2				
			S3		0725-370		
			S4				
			S5				
			QCCHK		S-616		
			ICSA		S-617		
			ICSB		0725-369		
PSW	7-26-05	6010TAL	CB	OES072605-1	Barnstead	45105	8-2-05
			S1		0620-360		
			S2		0620-331 0620-332 S-576, S-565, S-567		
			S3		0620-361		
			S4		0620-362		
			S5		S-576, S-565, S-567		
			QCCHK		S-599, S-600, S-601		
			ICSA		S-611, S-612, S-613, S-614		
			ICSB		0620-363		
			Appl CHK		0620-364		

Paradigm Analytical Labs

Inorganics Dilution Form

Standard ID	Element	Std Exp	Source	Initial Conc. (ug/mL)	Amount Used	Final Volume	Final Conc. (ug/mL)	Date made	Date Expires	Analyst
D-082	Mo	9/06	S-602	1000	1 mL	100 mL	10	2-23-05	4-23-05	RML
D-083	Sn	9/06	S-606	1000	100 µL	100 mL	1	3-22-05	5-22-05	RML
D-084	SnQC	4/30/05	S-468	1000	100 µL	100 mL	1	3-22-05	4-30-05 ~~5-22-05~~	RML
D-085	Pb	12/05	S-542	1000	100 µL	100 mL	1	3-23-05	5-23-05	RML
D-086	Pb QC	1/06	S-599	100	1 mL	100 mL	1	3-23-05	5-23-05	RML
D-087	Hg	8/1/05	S-522	1000	100 µl	100 ml	1	4/18/05	6/18/05	PSW
D-088	HgQC	6/30/05	S-487	1000	100 µl	100 ml	1	4/18/05	6/18/05	PSW
D-089	B	5/06	S-580	1000	100 µl	100 ml	1	5/11/05	7/11/05	PSW
D-090	Sn	9-06	S-606	1000	100 µL	100 mL	1	5-17-05	7-17-05	RML
D-091	SnQC	1-31-06	S-615	1000	~~5~~ 100 µL	100 mL	1	5-17-05	7-17-05	RML
D-092	Hg	8-1-05	S-522	1000	100 µl	100 ml	1	6-30-05	8-1-05	PSW
D-093	HgQC	6-30-05	S-487	1000	100 µl	100 ml	1	6-30-05	8-30-05	PSW
D-094	HgQC	8-31-06	S-619	1000	100 µl	100 ml	1	6-30-05	8-30-05	PSW
D-095	Hg	2/28/07	S-634	1000	100 µL	100 mL	1	8-15-05	10-15-05	RML
D-096	HgQC	8-31-06	S-619	1000	100 µL	100 ml	1	8-15-05	10-15-05	RML
D-097	Hg	2/28/07 ~~10-6-05~~	PSW S-634	1000	100 µl	100 ml	1	10-6-05	12-6-05	PSW
D-098	HgQC	8/31/06 ~~10-6-05~~	PSW S-619	1000	100 µl	100 ml	1	10-6-05	12-6-05	PSW
D-099	Sn	9/06	S-606	1000	100 µL	100 mL	1	10-13-05	12-13-05	RML
D-100	SnQC	1/08	S-615	1000	100 µL	100 mL	1	10-13-05	12-13-05	RML
D-101	Hg	2/07	S-634	1000	100 µL	100 mL	1	10-28-05	12-28-05	RML
D-102	HgQC	8/06	S-619	1000	100 µL	100 mL	1	10-28-05	12-28-05	RML

IN34.072003 1

Stock Standards Log

Standard Number	Element	Source	Lot Number	Date Received	Expiration Date	Analyst	Comment
S-625	Zn	E.E.	515819	7-27-05	2-07	RML	
S-626	Cr	E.E.	505115	7-27-05	2-07	RML	
S-627	Sb	E.E.	428335	7-27-05	2-07	RML	
S-628	Ag	E.E.	510928	7-27-05	2-07	RML	
S-629	As	E.E.	510531	7-27-05	2-07	RML	
S-630	Pb	E.E.	510204	7-27-05	2-07	RML	
S-631	Ni	E.E.	502418	7-27-05	2-07	RML	
S-632	Be	E.E.	500517	7-27-05	2-07	RML	
S-633	Mn	E.E.	510312	7-27-05	2-07	RML	
S-634	Hg	E.E.	503823	8-15-05	2-07	RML	
S-635	pH 12.45	VWR	5115	8-06-05	10-14-05	PSW	
S-636	pH 10.00	VWR	5115	8-06-05	5-31-06	PSW	
S-637	F^-	E.E	524536	10-21-05	5/07	PSW	
S-638	Cl^-	E.E	525713	↓	5/07	PSW	
S-639	SO_4^{2-}	E.E.	526606	↓	5/07	PSW	
140 → ~~S-640~~	NO_3^-	E.E.	516831	↓	5/07	PSW	
S-641	Br^-	E.E.	516837	↓	5/07	PSW	
S-642	NO_2^-	E.E	521708	↓	5/07	PSW	
S-643	PO_4^-	E.E.	511707	↓	5/07	PSW	
S-644	F^-	A.S.	081905	10-25-05	8-19-06	PSW	
S-645	Cl^-	A.S.	092205	↓	9-22-06	↓	
S-646	SO_4^{2-}	↓	090305	↓	8-3-06	↓	
S-647	NO_3^-	↓	101105	↓	10-11-06	↓	
S-648	NO_2^-	↓	101105	↓	10-11-06	↓	
S-649	PO_4^{3-}	↓	092105	↓	9-21-06	↓	
S-650	Br^-	↓	081705	↓	8-17-06	↓	
S-651	pH 12.45	VWR	5269	10-28-05	3-15-06	PSW	
S-652	Na	E.E.	526310	10-31-05	5/07	RML	
S-653	K	E.E.	505434	↓	5/07	↓	

IN15.081202.1

Stock Standards Log

Standard Number	Element	Source	Lot Number	Date Received	Expiration Date	Analyst	Comment
S-576	Sb	EE	411262.5	8-10-04	3-1-06	RML	
S-577	Co	E.E.	402231	9-24-04	4-1-06	PSW	
S-578	ICP-MS ICSA	E.E	422424	9-24-04	10-30-05	PSW	
S-579	ICP-MS QC	E.E	422413	9-24-04	10-30-05	PSW	
S-580	B	E.E.	418912	9-27-04	5-06	RML	
S-581	Lu	E.E	419007				
S-582	^6Li	E.E.	427916				
S-583	Sc	E.E.	327556				
S-584	Ge	E.E	407923				
S-585	pH 9 Buffer	VWR	4194	11-5-04	8-30-06	PSW	
S-586	pH 3 Buffer	VWR	4173	11-5-04	6-30-06	PSW	
S-587	pH 5 Buffer	VWR	4034	11-5-04	2-28-06	PSW	
S-588	Cl^-	A.S.	101104	12-7-04	10-11-05	PSW	
S-589	NO_3^-	A.S.	101104	12-7-04	10-11-05	PSW	
S-590	SO_4^{2-}	A.S.	110804	12-7-04	11-08-05	PSW	
S-591	F^-	A.S.	111004	12-7-04	11-10-05	PSW	
S-592	Anion Mix	A.S.	120304	12-03-04	12-03-05	PSW	
S-593	PO_4^{3-}	A.S.	112404	12-7-04	11-24-05	PSW	
S-594	PO_4^{3-} QC	E.E	427310	12-8-04	7/06	PSW	
S-595	Al	EE	433731	12-9-04	7/06	RML	
S-596	Ca	EE	431023	12-9-04	7/06	RML	
S-597	Fe	E.E.	432301	12-9-04	7/06	RML	
S-598	Mg	EE	427820	12-9-04	7/06	RML	
S-599	TM-1	EE	419706	12-9-04	1/06	RML	
S-600	TM-2	EE	419707	12-9-04	1/06	RML	
S-601	TM-3	E.E.	419028	12-9-04	1/06	RML	
S-602	Mo	E.E.	407612	2/4/05	9/31/06	PSW	
S-603	Ba	E.E.	420806	2/4/05	9/06	PSW	
S-604	Na	E.E.	435008	2/4/05	9/06	PSW	
S-605	K	E.E.	501111	2/4/05	9/06	PSW	
S-606	Sn	E.E	423941	2/4/05	9/31/06	PSW	
S-607	Sr	E.E.	421003	2-1-05	9-06	RML	* late entering in book
S-608	Ti	EE.	427504	2-1-05	9-06	RML	
S-609	Rh	E.E.	503109	2-1-05	9-06	RML	
S-610	pH 1245	VWR	5031	4-5-05	7-24-05	PSW	
S-611	Al	E.E.	509114	4-18-05	11-31-06	PSW	
S-612	Fe		509711	4-18-05	11-31-06	PSW	
S-613	Ca		508109		11-31-06	PSW	
S-614	Mg		505912		11-31-06	PSW	
S-615	SA QC	EMD	OC517060	5-17-05	1-31-08	RML	
S-616	6020-QC	EE	430223	6-6-05	7-06	RML	
S-617	6020 ICS A	EE	507623	6-6-05	7-06	RML	
S-618	6020 ICS AB	EE	507623	6-6-05	7-06	RML	
S-619	Hg QC	E.E	OC333374	6-27-05	8-31-06	PSW	
S-620	Fe	EE	519217	7-27-05	2-07	RML	
S-621	Mg	EE	514508	7-27-05	2-07	RML	
S-622	Ca	E.E.	516033	7-27-05	2-07	RML	
S-623	Al	E.E.	518606	7-27-05	2-07	RML	
S-624	Tl	E.E.	511015	7-27-05	2-07	RML	

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ELM STREET, LLC PROPERTY
DATA VALIDATION PACKAGES

ELM STREET CHECKLIST– July 2005 Sampling

Paradigm Report # Date Collected	Sample Identification(s)	
G161-2085 Collected July 22, 2005	EMW-1	
	Equip Blank-4 (QC)	
	Trip Blank (QC)	

Sample Team:	Jason Ricks (ECS Carolinas, LLP)
Sample Matrix:	Groundwater
Analyzing Laboratories:	Paradigm Analytical, Wilmington, North Carolina
Analyses:	Volatile Organics (VOC)/601 and 602; Semi-VOCs (SVOC)/8270-BN; Volatile Petroleum Hydrocarbons (VPH)/MDEP-VPH; Extractable Petroleum Hydrocarbons (EPH)/MDEP-EPH; Ethylene Dibromide (EDB)/504 1; and Lead (Pb)/6020B.
QA Reporting Levels:	All samples received a Level II Data Validation

ARCADIS G&M, Inc
4915 Prospectus Drive, Suite F
Durham, North Carolina 27713
Tel 919-544-4535
Fax 919-544-5690

Project: Elm Street

GROUNDWATER

Project Number:
NC105012 0001 RN001

FIELD DATA PACKAGE DOCUMENTATION

The review of the field documents for the samples included in this SDG was conducted by the field quality assurance officer and is not presented in this data validation checklist.

The following Field QC samples were collected in association with this July 2005 groundwater sample. It should be noted that field QC samples were collected at the appropriate frequency.

One Trip Blank and one Equipment Blank sample was analyzed for VOCs/Method 8260.

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list	X				X
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

1. Although additional data were provided by the laboratory, a Level II data validation was performed on these data packages. Any Tentatively Identified Compounds (TICs) reported were not evaluated as part of this validation. Twenty-five percent of the data for each parameter was validated, with the directive that if serious quality control deficiencies were encountered, that the remainder of the data would be validated. No such deficiencies were encountered.

   The Chain-of-Custody and data pages for each of the laboratory data packages included in this validation are attached. Any qualifiers assigned to this data are detailed in the following sections, and are clearly marked on these data pages.

VOLATILE ORGANIC COMPOUNDS

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times		X		X	
2. Reporting limits		X		X	
3. Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
C. Field (rinseate) blanks	X				X
D. Trip blanks		X		X	
4. Matrix spike (MS) %R		X		X	
5. Matrix spike duplicate (MSD) %R		X		X	
6. MS/MSD precision (RPD)		X		X	
7. Laboratory Control Sample (LCS)		X		X	
8. Laboratory Control Sample Duplicate(LCSD)		X		X	
9. LCS/LCSD precision (RPD)		X		X	
10. Surrogate spike recoveries		X		X	
11. Field duplicate comparison	X				X

VOCs - volatile organic compounds %R - percent recovery RPD - relative percent difference

Comments:
This section presents the review of USEPA Volatile Organics (VOC)/601 and 602; Volatile Petroleum Hydrocarbons (VPH)/MDEP-VPH; and Ethylene Dibromide (EDB)/504.1. Performance was acceptable, with the following exceptions and notes:

3A. The Method Blank (MB) associated with this sample did not detect any of the target compounds above the reporting limit.

3B. None of the target compounds were detected in the Equipment Blank.

3D. None of the target compounds were detected in the Trip Blank.

4-6. Batch samples were used for the MS/MSD analyses and were not evaluated for matrix interference with our samples.

7-9. The LCS recoveries were within control limits.

SEMIVOLATILE ORGANIC COMPOUNDS

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times					
A. Extraction holding time		X		X	
B. Analysis holding time		X		X	
2. Reporting limits		X		X	
3. Blanks					
A. Method Blanks		X		X	
C. Equipment Blanks	X				X
D. Field Blanks	X				X
4. Matrix spike (MS) %R		X		X	
5. Matrix spike duplicate (MSD) %R		X		X	
6. MS/MSD precision (RPD))		X		X	
7. Laboratory control sample (LCS)		X		X	
8. LCS duplicate (LCSD)	X				X
9. LCS/LCSD precision (RPD)	X				X
10. Surrogate spike recoveries		X		X	
11. Field duplicate comparison	X				X

SVOCs - semivolatile organic compounds %R - percent recovery RPD - relative percent difference

Comments:
This section includes review of Semi-VOCs (SVOC)/8270-BN and Extractable Petroleum Hydrocarbons (EPH)/MDEP-EPH. Performance was acceptable, with the following exceptions and notes. Note that the laboratory reported N-Nitrosodiphenylamine as the breakdown product diphenylamine.

3A. The Method Blanks (MB) associated with each batch of samples did not detect any of the target compounds above the reporting limit.

4-6. Batch samples were used for the MS/MSD analyses and were not evaluated for matrix interference with our samples.

7. There were several SVOC LCS recoveries above the control limit. However, none of these compounds were detected in the associated samples and no action was taken.

METALS METHOD

Items Reviewed	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Reporting limits		X		X	
3. Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
C. Field (rinseate) blanks	X				X
4. Laboratory control sample (LCS) %R		X		X	
5. Laboratory control sample duplicate (LCSD) %R		X		X	
6. LCS/LCSD RPD		X		X	
7. Matrix spike (MS) %R		X		X	
8. MS duplicate (MSD) %R		X		X	
9. MS/MSD RPD		X		X	
10. Field duplicate comparison	X				X
11. Total and dissolved metals comparison	X				X

%R - percent recovery RPD - relative percent difference MSD - matrix spike duplicate

Comments:
This section includes review of Method 6020 for Lead (Pb). Performance was acceptable, with the following exceptions and notes.

2. Due to an elevated concentration of Pb, sample EMW-1 was diluted 1:25.

3A. None of the blanks detected Pb at concentrations above the reporting limit.

4-6. The LCS/LCSD recoveries and RPD were within control limits.

7-9. A batch sample was used for the MS/MSD analysis and was not evaluated for matrix interference with our sample.

DATA VALIDATION CHECKLIST
SUMMARY AND DATA QUALIFIER CODES

Paradigm Report # Date Collected	**Sample Identification(s)**	
G161-2085 Collected July 22, 2005	EMW-1	
	Equip Blank-4 (QC)	
	Trip Blank (QC)	

Sample Team:	Jason Ricks (ECS Carolinas, LLP)
Sample Matrix:	Groundwater
Analyzing Laboratories:	Paradigm Analytical, Wilmington, North Carolina
Analyses:	Volatile Organics (VOC)/601 and 602; Semi-VOCs (SVOC)/8270-BN; Volatile Petroleum Hydrocarbons (VPH)/MDEP-VPH; Extractable Petroleum Hydrocarbons (EPH)/MDEP-EPH; Ethylene Dibromide (EDB)/504.1; and Lead (Pb)/6020.
QA Reporting Levels:	All samples received a Level II Data Validation

Explanation/Notes:
Analytical data submitted in the above referenced Paradigm Analytical reports were reviewed and evaluated using the USEPA National Functional Guidelines (NFG) for the Review of Organic Data, dated October 1999, NFG for the Review of Inorganic Data, dated October 2004, the method specific criteria, and professional judgment where applicable. Data validation qualifiers that were assigned are presented in the attached data sheets. A detailed description of quality control (QC) deficiencies is included in the corresponding data section. All other data are classified as quantitative.

VALIDATION PERFORMED BY
SIGNATURE: _____

DATE: April 26, 2006

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 47801

Page 1 of 1

Client: ECS, Ltd
Address: 6909 International Dr, Ste 103
Address: Greensboro, NC 27409
Quote #: 1842

Project ID: Elm St, LLC
Contact: Jason Ricks
Phone: (336) 856-7150
Fax: 856-7160

Date: 7/22/05
Turnaround: Standard
Job Number: G-9506
P.O. Number:

Report To: jricks@ecslimited.com
Invoice To:

Sample ID	Date	Time	Matrix	Preservatives: None	HCL	HNO_3		Analyses: 601/602	EPH	VPH	625 BN+10 TICS	3030C Lead	504.1 EDB					Comments: Please specify any special reporting requirements
EMW-1	7/22/05	1:35	GW	X	X	X		X	X	X	X	X	X					City of Greensboro Project
Equip Blank-4	↓	1:10	GW		X			X										
																		G161-2085

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
[signature]	7/22/05	4:30	[signature]	7/23/05	1035	0.3°	NC (X) SC ____ Other ____
							SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

Results for Volatiles
by GC 601

Client Sample ID: EMW-1
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-1A
Lab Project ID: G161-2085

Analyzed By: MJC
Date Collected: 7/22/2005 13:35
Date Received: 7/23/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/26/2005
Bromoform	BQL	2.00	1	7/26/2005
Bromomethane	BQL	1.00	1	7/26/2005
Carbon tetrachloride	BQL	1.00	1	7/26/2005
Chlorobenzene	BQL	1.00	1	7/26/2005
Chloroethane	BQL	1.00	1	7/26/2005
Chloroform	BQL	1.00	1	7/26/2005
Chloromethane	BQL	1.00	1	7/26/2005
Dibromochloromethane	BQL	1.00	1	7/26/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/26/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,1-Dichloroethane	BQL	1.00	1	7/26/2005
1,2-Dichloroethane	BQL	1.00	1	7/26/2005
1,1-Dichloroethene	BQL	1.00	1	7/26/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
1,2-Dichloropropane	BQL	1.00	1	7/26/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
Methylene Chloride	BQL	5.00	1	7/26/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/26/2005
Tetrachloroethene	BQL	1.00	1	7/26/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/26/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/26/2005
Trichloroethene	BQL	1.00	1	7/26/2005
Trichlorofluoromethane	BQL	1.00	1	7/26/2005
Vinyl Chloride	BQL	1.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	38.2	95.6

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: [illegible]

Results for Volatiles
by GC 601

Client Sample ID: Equip Blank-4
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-2A
Lab Project ID: G161-2085

Analyzed By: MJC
Date Collected: 7/22/2005 13:10
Date Received: 7/23/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/26/2005
Bromoform	BQL	2.00	1	7/26/2005
Bromomethane	BQL	1.00	1	7/26/2005
Carbon tetrachloride	BQL	1.00	1	7/26/2005
Chlorobenzene	BQL	1.00	1	7/26/2005
Chloroethane	BQL	1.00	1	7/26/2005
Chloroform	BQL	1.00	1	7/26/2005
Chloromethane	BQL	1.00	1	7/26/2005
Dibromochloromethane	BQL	1.00	1	7/26/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/26/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,1-Dichloroethane	BQL	1.00	1	7/26/2005
1,2-Dichloroethane	BQL	1.00	1	7/26/2005
1,1-Dichloroethene	BQL	1.00	1	7/26/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
1,2-Dichloropropane	BQL	1.00	1	7/26/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
Methylene Chloride	BQL	5.00	1	7/26/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/26/2005
Tetrachloroethene	BQL	1.00	1	7/26/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/26/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/26/2005
Trichloroethene	BQL	1.00	1	7/26/2005
Trichlorofluoromethane	BQL	1.00	1	7/26/2005
Vinyl Chloride	BQL	1.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	38.1	95.2

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 601

Client Sample ID: Trip Blank
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-3A
Lab Project ID: G161-2085

Analyzed By: MJC
Date Collected: 7/22/2005 0:00
Date Received: 7/23/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/26/2005
Bromoform	BQL	2.00	1	7/26/2005
Bromomethane	BQL	1.00	1	7/26/2005
Carbon tetrachloride	BQL	1.00	1	7/26/2005
Chlorobenzene	BQL	1.00	1	7/26/2005
Chloroethane	BQL	1.00	1	7/26/2005
Chloroform	BQL	1.00	1	7/26/2005
Chloromethane	BQL	1.00	1	7/26/2005
Dibromochloromethane	BQL	1.00	1	7/26/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/26/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/26/2005
1,1-Dichloroethane	BQL	1.00	1	7/26/2005
1,2-Dichloroethane	BQL	1.00	1	7/26/2005
1,1-Dichloroethene	BQL	1.00	1	7/26/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/26/2005
1,2-Dichloropropane	BQL	1.00	1	7/26/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/26/2005
Methylene Chloride	BQL	5.00	1	7/26/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/26/2005
Tetrachloroethene	BQL	1.00	1	7/26/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/26/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/26/2005
Trichloroethene	BQL	1.00	1	7/26/2005
Trichlorofluoromethane	BQL	1.00	1	7/26/2005
Vinyl Chloride	BQL	1.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	37.4	93.5

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: EMW-1
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-1A
Lab Project ID: G161-2085

Analyzed By: MJC
Date Collected: 7/22/2005 13:35
Date Received: 7/23/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2005
Ethylbenzene	BQL	1.00	1	7/26/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2005
Toluene	BQL	1.00	1	7/26/2005
m/p-Xylene	BQL	2.00	1	7/26/2005
o-Xylene	BQL	2.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.0	102

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: Equip Blank-4
Client Project ID: Elm Street, LLC
Lab Sample ID: G161-2085-2A
Lab Project ID: G161-2085

Analyzed By: MJC
Date Collected: 7/22/2005 13:10
Date Received: 7/23/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2005
Ethylbenzene	BQL	1.00	1	7/26/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2005
Toluene	BQL	1.00	1	7/26/2005
m/p-Xylene	BQL	2.00	1	7/26/2005
o-Xylene	BQL	2.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	41.0	102

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: Trip Blank
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-3A
Lab Project ID: G161-2085

Analyzed By: MJC
Date Collected: 7/22/2005 0:00
Date Received: 7/23/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/26/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/26/2005
Ethylbenzene	BQL	1.00	1	7/26/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/26/2005
Toluene	BQL	1.00	1	7/26/2005
m/p-Xylene	BQL	2.00	1	7/26/2005
o-Xylene	BQL	2.00	1	7/26/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.8	102

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____
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Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: EMW-1
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-1L
Lab Project ID: G161-2085

Analyzed By: MRC
Date Collected: 7/22/2005 13:35
Date Received: 7/23/2005
Date Extracted: 7/26/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	7/28/2005
Acenaphthylene	BQL	10.0	1	7/28/2005
Anthracene	BQL	10.0	1	7/28/2005
Benzo[a]anthracene	BQL	10.0	1	7/28/2005
Benzo[a]pyrene	BQL	10.0	1	7/28/2005
Benzo[b]fluoranthene	BQL	10.0	1	7/28/2005
Benzo[g,h,i]perylene	BQL	10.0	1	7/28/2005
Benzo[k]fluoranthene	BQL	10.0	1	7/28/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	7/28/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	7/28/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	7/28/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	7/28/2005
4-bromophenyl phenyl ether	BQL	10.0	1	7/28/2005
Butylbenzylphthalate	BQL	10.0	1	7/28/2005
2-Chloronaphthalene	BQL	10.0	1	7/28/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	7/28/2005
Chrysene	BQL	10.0	1	7/28/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	7/28/2005
Di-n-Butylphthalate	BQL	10.0	1	7/28/2005
1,2-Dichlorobenzene	BQL	10.0	1	7/28/2005
1,3-Dichlorobenzene	BQL	10.0	1	7/28/2005
1,4-Dichlorobenzene	BQL	10.0	1	7/28/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	7/28/2005
Diethylphthalate	BQL	10.0	1	7/28/2005
Dimethylphthalate	BQL	10.0	1	7/28/2005
Di-n-octylphthalate	BQL	10.0	1	7/28/2005
2,4-Dinitrotoluene	BQL	10.0	1	7/28/2005
2,6-Dinitrotoluene	BQL	10.0	1	7/28/2005
Diphenylamine *	BQL	10.0	1	7/28/2005
Fluoranthene	BQL	10.0	1	7/28/2005
Fluorene	BQL	10.0	1	7/28/2005
Hexachlorobenzene	BQL	10.0	1	7/28/2005
Hexachlorobutadiene	BQL	10.0	1	7/28/2005
Hexachlorocyclopentadiene	BQL	20.0	1	7/28/2005
Hexachloroethane	BQL	10.0	1	7/28/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	7/28/2005
Isophorone	BQL	10.0	1	7/28/2005
Naphthalene	BQL	10.0	1	7/28/2005
Nitrobenzene	BQL	10.0	1	7/28/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	7/28/2005
Phenanthrene	BQL	10.0	1	7/28/2005
Pyrene	BQL	10.0	1	7/28/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: EMW-1
Client Project ID: Elm Street, LLC.
Lab Sample ID: G161-2085-1L
Lab Project ID: G161-2085

Analyzed By: MRC
Date Collected: 7/22/2005 13:35
Date Received: 7/23/2005
Date Extracted: 7/26/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	7/28/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9	90
Nitrobenzene-d5	10	8.9	89
4-Terphenyl-d14	10	13.9	139

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By: PNV

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: Elm Street, LLC.

Sample Information and Analytical Results	
Sample Identification	EMW-1
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	07/22/05
Date Received	07/23/05
Date Extracted	07/25/05
Date Analyzed	07/25/05
Dry Weight	
Dilution Factor	1
C_5-C_8 Aliphatics**	< 100 (µg/L)
C_9-C_{12} Aliphatics**	< 100 (µg/L)
C_9-C_{10} Aromatics**	< 100 (µg/L)
Surrogate % Recovery - PID	110
Surrogate % Recovery - FID	110

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards

Lab Info: g161-2085-1d

Reviewed By: RW

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Elm Street, LLC.

Sample Information and Analytical Results	
Sample Identification	EMW-1
Sample Matrix	Water
Date Collected	07/22/05
Date Received	07/23/05
Date Extracted	07/29/05
Date Analyzed	08/01/05
Dry Weight	
Dilution Factor	1
C_9-C_{18} Aliphatics*	< 100 (ug/L)
C_{19}-C_{36} Aliphatics*	< 100 (ug/L)
C_{11}-C_{22} Aromatics*	< 100 (ug/L)
Aliphatic Surrogate % Recovery	95
Aromatic Surrogate % Recovery	98

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2085-1N

Reviewed By: [illegible]

Results for Organics
by EPA 504

Client Sample ID:	EMW-1	Analyzed By:	CLP
Client Project ID:	Elm Street, LLC	Date Collected:	7/22/05 13:35
Lab Sample ID:	G161-2085-1O	Date Received:	7/23/05 10:35
Lab Project ID:	G161-2085	Matrix:	Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0.0201	1	8/1/05

Reviewed By: _____

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Results for Metals

Client Sample ID:	EMW-1	Analyzed By:	RML
Client Project ID:	Elm Street, LLC.	Date Collected:	7/22/2005 13:35
Lab Sample ID:	G161-2085-1	Date Received:	7/23/2005
Lab Project ID:	G161-2085	Matrix:	WATER
Batch ID:	3306		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	**133**	5.00	25	UG/L	6020	7/27/2005

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
Sample prepared by SM 3030C.

Reviewed By: _____
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