NORTH STATE MILLING PROPERTY
LABORATORY DATA SHEETS AND CHAIN OF CUSTODY RECORD

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: NS1-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-1D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 9:45
Date Received: 6/30/05
Matrix: Soil
%Solids: 96.1

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	1.86	100	7/2/05
Benzene	BQL	0.0744	100	7/2/05
Bromobenzene	BQL	0.0744	100	7/2/05
Bromochloromethane	BQL	0.0744	100	7/2/05
Bromodichloromethane	BQL	0.0744	100	7/2/05
Bromoform	BQL	0.0744	100	7/2/05
Bromomethane	BQL	0.0744	100	7/2/05
2-Butanone	BQL	1.86	100	7/2/05
n-Butylbenzene	**0.278**	0.0744	100	7/2/05
sec-Butylbenzene	**0.189**	0.0744	100	7/2/05
tert-Butylbenzene	**0.0982**	0.0744	100	7/2/05
Carbon disulfide	BQL	0.0744	100	7/2/05
Carbon tetrachloride	BQL	0.0744	100	7/2/05
Chlorobenzene	BQL	0.0744	100	7/2/05
Chloroethane	BQL	0.0744	100	7/2/05
Chloroform	BQL	0.0744	100	7/2/05
Chloromethane	BQL	0.0744	100	7/2/05
2-Chlorotoluene	BQL	0.0744	100	7/2/05
4-Chlorotoluene	BQL	0.0744	100	7/2/05
Dibromochloromethane	BQL	0.0744	100	7/2/05
1,2-Dibromo-3-chloropropane	BQL	0.372	100	7/2/05
Dibromomethane	BQL	0.0744	100	7/2/05
1,2-Dibromoethane (EDB)	BQL	0.0744	100	7/2/05
1,2-Dichlorobenzene	BQL	0.0744	100	7/2/05
1,3-Dichlorobenzene	BQL	0.0744	100	7/2/05
1,4-Dichlorobenzene	BQL	0.0744	100	7/2/05
trans-1,4-Dichloro-2-butene	BQL	0.372	100	7/2/05
1,1-Dichloroethane	BQL	0.0744	100	7/2/05
1,1-Dichloroethene	BQL	0.0744	100	7/2/05
1,2-Dichloroethane	BQL	0.0744	100	7/2/05
cis-1,2-Dichloroethene	BQL	0.0744	100	7/2/05
trans-1,2-dichloroethene	BQL	0.0744	100	7/2/05
1,2-Dichloropropane	BQL	0.0744	100	7/2/05
1,3-Dichloropropane	BQL	0.0744	100	7/2/05
2,2-Dichloropropane	BQL	0.0744	100	7/2/05
1,1-Dichloropropene	BQL	0.0744	100	7/2/05
cis-1,3-Dichloropropene	BQL	0.0744	100	7/2/05
trans-1,3-Dichloropropene	BQL	0.0744	100	7/2/05
Dichlorodifluoromethane	BQL	0.372	100	7/2/05
Diisopropyl ether (DIPE)	BQL	0.0744	100	7/2/05
Ethylbenzene	**0.106**	0.0744	100	7/2/05
Hexachlorobutadiene	BQL	0.0744	100	7/2/05

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: NS1-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-1D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 9:45
Date Received: 6/30/05
Matrix: Soil
%Solids: 96.1

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.372	100	7/2/05
Iodomethane	BQL	0.0744	100	7/2/05
Isopropylbenzene	**0.479**	0.0744	100	7/2/05
4-Isopropyltoluene	**0.100**	0.0744	100	7/2/05
Methylene chloride	BQL	0.372	100	7/2/05
4-Methyl-2-pentanone	BQL	0.372	100	7/2/05
Methyl-tert-butyl ether (MTBE)	BQL	0.0744	100	7/2/05
Naphthalene	**2.30**	0.0744	100	7/2/05
n-Propyl benzene	**0.879**	0.0744	100	7/2/05
Styrene	BQL	0.0744	100	7/2/05
1,1,1,2-Tetrachloroethane	BQL	0.0744	100	7/2/05
1,1,2,2-Tetrachloroethane	BQL	0.0744	100	7/2/05
Tetrachloroethene	BQL	0.0744	100	7/2/05
Toluene	**0.163**	0.0744	100	7/2/05
1,2,3-Trichlorobenzene	BQL	0.0744	100	7/2/05
1,2,4-Trichlorobenzene	BQL	0.0744	100	7/2/05
Trichloroethene	BQL	0.0744	100	7/2/05
1,1,1-Trichloroethane	BQL	0.0744	100	7/2/05
1,1,2-Trichloroethane	BQL	0.0744	100	7/2/05
Trichlorofluoromethane	BQL	0.0744	100	7/2/05
1,2,3-Trichloropropane	BQL	0.0744	100	7/2/05
1,2,4-Trimethylbenzene	**0.281**	0.0744	100	7/2/05
1,3,5-Trimethylbenzene	**0.0878**	0.0744	100	7/2/05
Vinyl chloride	BQL	0.0744	100	7/2/05
m-,p-Xylene	**0.686**	0.149	100	7/2/05
o-Xylene	**0.123**	0.0744	100	7/2/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.01	0.00893	89
1,2-Dichloroethane-d4	0.01	0.0113	113
Toluene-d8	0.01	0.0112	112

Comments:

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

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS1-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-1H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:45
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 96.11

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.296	1	7/8/2005
Acenaphthylene	BQL	0.296	1	7/8/2005
Anthracene	BQL	0.296	1	7/8/2005
Benzo[a]anthracene	**0.447**	0.296	1	7/8/2005
Benzo[a]pyrene	**1.19**	0.296	1	7/8/2005
Benzo[b]fluoranthene	**0.917**	0.296	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.296	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.296	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.296	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.296	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.296	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.296	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.296	1	7/8/2005
Butylbenzylphthalate	BQL	0.296	1	7/8/2005
2-Chloronaphthalene	BQL	0.296	1	7/8/2005
4-Chloroaniline	BQL	1.48	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.296	1	7/8/2005
Chrysene	**0.541**	0.296	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.296	1	7/8/2005
Dibenzofuran	BQL	0.296	1	7/8/2005
Di-n-Butylphthalate	BQL	0.296	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.296	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.296	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.296	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.592	1	7/8/2005
Diethylphthalate	BQL	0.296	1	7/8/2005
Dimethylphthalate	BQL	0.296	1	7/8/2005
Di-n-octylphthalate	BQL	0.296	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.296	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.296	1	7/8/2005
Diphenylamine *	BQL	0.296	1	7/8/2005
Fluoranthene	**0.450**	0.296	1	7/8/2005
Fluorene	BQL	0.296	1	7/8/2005
Hexachlorobenzene	BQL	0.296	1	7/8/2005
Hexachlorobutadiene	BQL	0.296	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.592	1	7/8/2005
Hexachloroethane	BQL	0.296	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.296	1	7/8/2005
Isophorone	BQL	0.296	1	7/8/2005
2-Methylnaphthalene	**0.745**	0.296	1	7/8/2005
Naphthalene	**2.72**	0.296	1	7/8/2005
2-Nitroaniline	BQL	0.296	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS1-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-1H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:45
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 96.11

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.48	1	7/8/2005
4-Nitroaniline	BQL	1.48	1	7/8/2005
Nitrobenzene	BQL	0.296	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.296	1	7/8/2005
Phenanthrene	BQL	0.296	1	7/8/2005
Pyrene	**0.917**	0.296	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.296	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
Nitrobenzene-d5	10	10.7	107
4-Terphenyl-d14	10	11.2	112

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS1-5
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/07/05
Dry Weight	96.1
Dilution Factor	1:1
C_9-C_{18} Aliphatics*	16 (mg/Kg)
C_{19}-C_{36} Aliphatics*	32 (mg/Kg)
C_{11}-C_{22} Aromatics*	22 (mg/Kg)
Aliphatic Surrogate % Recovery	98
Aromatic Surrogate % Recovery	79
Fractionation Surrogate 1 % Recovery	56

Comments:

* = Excludes any surrogates or internal standards

Lab info: G161-2047-1G

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS1-5
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	96
Dilution Factor	1
C_5-C_8 Aliphatics**	180 (mg/Kg)
C_9-C_{12} Aliphatics**	72 (mg/Kg)
C_9-C_{10} Aromatics**	79 (mg/Kg)
Surrogate % Recovery - PID	410***
Surrogate % Recovery - FID	480***

* = 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.

***= High surrogate recovery due to matrix interference

Lab Info: G161-2047-1B

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: RNS1-10
Client Project ID: North State Milling Property
Lab Sample ID G161-2074-1A
Lab Project ID: G161-2074
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 07-15-2005 10:40
Date Received: 7/16/2005
Matrix: Soil
%Solids: 85.2

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0476	1	7/20/2005
Benzene	BQL	0.00476	1	7/20/2005
Bromobenzene	BQL	0.00476	1	7/20/2005
Bromochloromethane	BQL	0.00476	1	7/20/2005
Bromodichloromethane	BQL	0.00476	1	7/20/2005
Bromoform	BQL	0.00476	1	7/20/2005
Bromomethane	BQL	0.00476	1	7/20/2005
2-Butanone	BQL	0.0238	1	7/20/2005
n-Butylbenzene	BQL	0.00476	1	7/20/2005
sec-Butylbenzene	BQL	0.00476	1	7/20/2005
tert-Butylbenzene	BQL	0.00476	1	7/20/2005
Carbon disulfide	BQL	0.00476	1	7/20/2005
Carbon tetrachloride	BQL	0.00476	1	7/20/2005
Chlorobenzene	BQL	0.00476	1	7/20/2005
Chloroethane	BQL	0.00476	1	7/20/2005
Chloroform	BQL	0.00476	1	7/20/2005
Chloromethane	BQL	0.00476	1	7/20/2005
2-Chlorotoluene	BQL	0.00476	1	7/20/2005
4-Chlorotoluene	BQL	0.00476	1	7/20/2005
Dibromochloromethane	BQL	0.00476	1	7/20/2005
1,2-Dibromo-3-chloropropane	BQL	0.00476	1	7/20/2005
Dibromomethane	BQL	0.00476	1	7/20/2005
1,2-Dibromoethane (EDB)	BQL	0.00476	1	7/20/2005
1,2-Dichlorobenzene	BQL	0.00476	1	7/20/2005
1,3-Dichlorobenzene	BQL	0.00476	1	7/20/2005
1,4-Dichlorobenzene	BQL	0.00476	1	7/20/2005
trans-1,4-Dichloro-2-butene	BQL	0.00476	1	7/20/2005
1,1-Dichloroethane	BQL	0.00476	1	7/20/2005
1,1-Dichloroethene	BQL	0.00476	1	7/20/2005
1,2-Dichloroethane	BQL	0.00476	1	7/20/2005
cis-1,2-Dichloroethene	BQL	0.00476	1	7/20/2005
trans-1,2-dichloroethene	BQL	0.00476	1	7/20/2005
1,2-Dichloropropane	BQL	0.00476	1	7/20/2005
1,3-Dichloropropane	BQL	0.00476	1	7/20/2005
2,2-Dichloropropane	BQL	0.00476	1	7/20/2005
1,1-Dichloropropene	BQL	0.00476	1	7/20/2005
cis-1,3-Dichloropropene	BQL	0.00476	1	7/20/2005
trans-1,3-Dichloropropene	BQL	0.00476	1	7/20/2005
Dichlorodifluoromethane	BQL	0.00476	1	7/20/2005
Diisopropyl ether (DIPE)	BQL	0.00476	1	7/20/2005
Ethylbenzene	BQL	0.00476	1	7/20/2005
Hexachlorobutadiene	BQL	0.00476	1	7/20/2005
2-Hexanone	BQL	0.00476	1	7/20/2005
Iodomethane	BQL	0.00476	1	7/20/2005

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: RNS1-10
Client Project ID: North State Milling Property
Lab Sample ID G161-2074-1A
Lab Project ID: G161-2074
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 07-15-2005 10:40
Date Received: 7/16/2005
Matrix: Soil
%Solids: 85.2

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00476	1	7/20/2005
4-Isopropyltoluene	BQL	0.00476	1	7/20/2005
Methylene chloride	BQL	0.0191	1	7/20/2005
4-Methyl-2-pentanone	BQL	0.00476	1	7/20/2005
Methyl-tert-butyl ether (MTBE)	BQL	0.00476	1	7/20/2005
Naphthalene	BQL	0.00476	1	7/20/2005
n-Propyl benzene	BQL	0.00476	1	7/20/2005
Styrene	BQL	0.00476	1	7/20/2005
1,1,1,2-Tetrachloroethane	BQL	0.00476	1	7/20/2005
1,1,2,2-Tetrachloroethane	BQL	0.00476	1	7/20/2005
Tetrachloroethene	BQL	0.00476	1	7/20/2005
Toluene	BQL	0.00476	1	7/20/2005
1,2,3-Trichlorobenzene	BQL	0.00476	1	7/20/2005
1,2,4-Trichlorobenzene	BQL	0.00476	1	7/20/2005
Trichloroethene	BQL	0.00476	1	7/20/2005
1,1,1-Trichloroethane	BQL	0.00476	1	7/20/2005
1,1,2-Trichloroethane	BQL	0.00476	1	7/20/2005
Trichlorofluoromethane	BQL	0.00476	1	7/20/2005
1,2,3-Trichloropropane	BQL	0.00476	1	7/20/2005
1,2,4-Trimethylbenzene	BQL	0.00476	1	7/20/2005
1,3,5-Trimethylbenzene	BQL	0.00476	1	7/20/2005
Vinyl chloride	BQL	0.00476	1	7/20/2005
m-,p-Xylene	BQL	0.00953	1	7/20/2005
o-Xylene	BQL	0.00476	1	7/20/2005

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0522	104
1,2-Dichloroethane-d4	0.05	0.064	128
Toluene-d8	0.05	0.0525	105

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS1-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-2H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:50
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 93.73

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.326	1	7/8/2005
Acenaphthylene	BQL	0.326	1	7/8/2005
Anthracene	BQL	0.326	1	7/8/2005
Benzo[a]anthracene	BQL	0.326	1	7/8/2005
Benzo[a]pyrene	BQL	0.326	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.326	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.326	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.326	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.326	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.326	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.326	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.326	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.326	1	7/8/2005
Butylbenzylphthalate	BQL	0.326	1	7/8/2005
2-Chloronaphthalene	BQL	0.326	1	7/8/2005
4-Chloroaniline	BQL	1.63	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.326	1	7/8/2005
Chrysene	BQL	0.326	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.326	1	7/8/2005
Dibenzofuran	BQL	0.326	1	7/8/2005
Di-n-Butylphthalate	BQL	0.326	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.326	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.326	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.326	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.653	1	7/8/2005
Diethylphthalate	BQL	0.326	1	7/8/2005
Dimethylphthalate	BQL	0.326	1	7/8/2005
Di-n-octylphthalate	BQL	0.326	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.326	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.326	1	7/8/2005
Diphenylamine *	BQL	0.326	1	7/8/2005
Fluoranthene	BQL	0.326	1	7/8/2005
Fluorene	BQL	0.326	1	7/8/2005
Hexachlorobenzene	BQL	0.326	1	7/8/2005
Hexachlorobutadiene	BQL	0.326	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.653	1	7/8/2005
Hexachloroethane	BQL	0.326	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.326	1	7/8/2005
Isophorone	BQL	0.326	1	7/8/2005
2-Methylnaphthalene	BQL	0.326	1	7/8/2005
Naphthalene	BQL	0.326	1	7/8/2005
2-Nitroaniline	BQL	0.326	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS1-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-2H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:50
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 93.73

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.63	1	7/8/2005
4-Nitroaniline	BQL	1.63	1	7/8/2005
Nitrobenzene	BQL	0.326	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.326	1	7/8/2005
Phenanthrene	BQL	0.326	1	7/8/2005
Pyrene	BQL	0.326	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.326	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.1	101
Nitrobenzene-d5	10	10.3	103
4-Terphenyl-d14	10	13.5	135

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS1-10
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	93.7
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation.

Lab info: G161-2047-2G

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS1-10
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/07/05
Dry Weight	94
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	94
Surrogate % Recovery - FID	89

* = 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: G161-2047-2E

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS1-12
Client Project ID: North State Milling
Lab Sample ID G161-2047-3B
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 09:52
Date Received: 6/30/05
Matrix: Soil
%Solids: 91.3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0397	1	7/8/05
Benzene	BQL	0.00397	1	7/8/05
Bromobenzene	BQL	0.00397	1	7/8/05
Bromochloromethane	BQL	0.00397	1	7/8/05
Bromodichloromethane	BQL	0.00397	1	7/8/05
Bromoform	BQL	0.00397	1	7/8/05
Bromomethane	BQL	0.00397	1	7/8/05
2-Butanone	BQL	0.0198	1	7/8/05
n-Butylbenzene	BQL	0.00397	1	7/8/05
sec-Butylbenzene	BQL	0.00397	1	7/8/05
tert-Butylbenzene	BQL	0.00397	1	7/8/05
Carbon disulfide	BQL	0.00397	1	7/8/05
Carbon tetrachloride	BQL	0.00397	1	7/8/05
Chlorobenzene	BQL	0.00397	1	7/8/05
Chloroethane	BQL	0.00397	1	7/8/05
Chloroform	BQL	0.00397	1	7/8/05
Chloromethane	BQL	0.00397	1	7/8/05
2-Chlorotoluene	BQL	0.00397	1	7/8/05
4-Chlorotoluene	BQL	0.00397	1	7/8/05
Dibromochloromethane	BQL	0.00397	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00397	1	7/8/05
Dibromomethane	BQL	0.00397	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00397	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00397	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00397	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00397	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00397	1	7/8/05
1,1-Dichloroethane	BQL	0.00397	1	7/8/05
1,1-Dichloroethene	BQL	0.00397	1	7/8/05
1,2-Dichloroethane	BQL	0.00397	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00397	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00397	1	7/8/05
1,2-Dichloropropane	BQL	0.00397	1	7/8/05
1,3-Dichloropropane	BQL	0.00397	1	7/8/05
2,2-Dichloropropane	BQL	0.00397	1	7/8/05
1,1-Dichloropropene	BQL	0.00397	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00397	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00397	1	7/8/05
Dichlorodifluoromethane	BQL	0.00397	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00397	1	7/8/05
Ethylbenzene	BQL	0.00397	1	7/8/05
Hexachlorobutadiene	BQL	0.00397	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS1-12
Client Project ID: North State Milling
Lab Sample ID G161-2047-3B
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 09:52
Date Received: 6/30/05
Matrix: Soil
%Solids: 91.3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00397	1	7/8/05
Iodomethane	BQL	0.00397	1	7/8/05
Isopropylbenzene	BQL	0.00397	1	7/8/05
4-Isopropyltoluene	BQL	0.00397	1	7/8/05
Methylene chloride	BQL	0.0159	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00397	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00397	1	7/8/05
Naphthalene	BQL	0.00397	1	7/8/05
n-Propyl benzene	BQL	0.00397	1	7/8/05
Styrene	BQL	0.00397	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00397	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00397	1	7/8/05
Tetrachloroethene	BQL	0.00397	1	7/8/05
Toluene	BQL	0.00397	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00397	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00397	1	7/8/05
Trichloroethene	BQL	0.00397	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00397	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00397	1	7/8/05
Trichlorofluoromethane	BQL	0.00397	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00397	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00397	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00397	1	7/8/05
Vinyl chloride	BQL	0.00397	1	7/8/05
m-,p-Xylene	BQL	0.00794	1	7/8/05
o-Xylene	BQL	0.00397	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0476	95
1,2-Dichloroethane-d4	0.05	0.0464	93
Toluene-d8	0.05	0.0505	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS1-12
Client Project ID: North State Milling
Lab Sample ID: G161-2047-3H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:52
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.28

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.329	1	7/8/2005
Acenaphthylene	BQL	0.329	1	7/8/2005
Anthracene	BQL	0.329	1	7/8/2005
Benzo[a]anthracene	BQL	0.329	1	7/8/2005
Benzo[a]pyrene	BQL	0.329	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.329	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.329	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.329	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.329	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.329	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.329	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.329	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.329	1	7/8/2005
Butylbenzylphthalate	BQL	0.329	1	7/8/2005
2-Chloronaphthalene	BQL	0.329	1	7/8/2005
4-Chloroaniline	BQL	1.65	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.329	1	7/8/2005
Chrysene	BQL	0.329	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.329	1	7/8/2005
Dibenzofuran	BQL	0.329	1	7/8/2005
Di-n-Butylphthalate	BQL	0.329	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.329	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.329	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.329	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.659	1	7/8/2005
Diethylphthalate	BQL	0.329	1	7/8/2005
Dimethylphthalate	BQL	0.329	1	7/8/2005
Di-n-octylphthalate	BQL	0.329	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.329	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.329	1	7/8/2005
Diphenylamine *	BQL	0.329	1	7/8/2005
Fluoranthene	BQL	0.329	1	7/8/2005
Fluorene	BQL	0.329	1	7/8/2005
Hexachlorobenzene	BQL	0.329	1	7/8/2005
Hexachlorobutadiene	BQL	0.329	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.659	1	7/8/2005
Hexachloroethane	BQL	0.329	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.329	1	7/8/2005
Isophorone	BQL	0.329	1	7/8/2005
2-Methylnaphthalene	BQL	0.329	1	7/8/2005
Naphthalene	BQL	0.329	1	7/8/2005
2-Nitroaniline	BQL	0.329	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS1-12
Client Project ID: North State Milling
Lab Sample ID: G161-2047-3H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:52
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.28

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.65	1	7/8/2005
4-Nitroaniline	BQL	1.65	1	7/8/2005
Nitrobenzene	BQL	0.329	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.329	1	7/8/2005
Phenanthrene	BQL	0.329	1	7/8/2005
Pyrene	BQL	0.329	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.329	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10	100
Nitrobenzene-d5	10	10.1	101
4-Terphenyl-d14	10	13.1	131

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS1-12
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	91.3
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-3G

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS1-12
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	91
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	120
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: G161-2047-3E

Reviewed By:

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: NS2-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-4D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 10:00
Date Received: 6/30/05
Matrix: Soil
%Solids: 84.0

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	2.40	100	7/2/05
Benzene	**0.160**	0.0961	100	7/2/05
Bromobenzene	BQL	0.0961	100	7/2/05
Bromochloromethane	BQL	0.0961	100	7/2/05
Bromodichloromethane	BQL	0.0961	100	7/2/05
Bromoform	BQL	0.0961	100	7/2/05
Bromomethane	BQL	0.0961	100	7/2/05
2-Butanone	BQL	2.40	100	7/2/05
n-Butylbenzene	**0.215**	0.0961	100	7/2/05
sec-Butylbenzene	BQL	0.0961	100	7/2/05
tert-Butylbenzene	BQL	0.0961	100	7/2/05
Carbon disulfide	BQL	0.0961	100	7/2/05
Carbon tetrachloride	BQL	0.0961	100	7/2/05
Chlorobenzene	BQL	0.0961	100	7/2/05
Chloroethane	BQL	0.0961	100	7/2/05
Chloroform	BQL	0.0961	100	7/2/05
Chloromethane	BQL	0.0961	100	7/2/05
2-Chlorotoluene	BQL	0.0961	100	7/2/05
4-Chlorotoluene	BQL	0.0961	100	7/2/05
Dibromochloromethane	BQL	0.0961	100	7/2/05
1,2-Dibromo-3-chloropropane	BQL	0.480	100	7/2/05
Dibromomethane	BQL	0.0961	100	7/2/05
1,2-Dibromoethane (EDB)	BQL	0.0961	100	7/2/05
1,2-Dichlorobenzene	BQL	0.0961	100	7/2/05
1,3-Dichlorobenzene	BQL	0.0961	100	7/2/05
1,4-Dichlorobenzene	BQL	0.0961	100	7/2/05
trans-1,4-Dichloro-2-butene	BQL	0.480	100	7/2/05
1,1-Dichloroethane	BQL	0.0961	100	7/2/05
1,1-Dichloroethene	BQL	0.0961	100	7/2/05
1,2-Dichloroethane	BQL	0.0961	100	7/2/05
cis-1,2-Dichloroethene	BQL	0.0961	100	7/2/05
trans-1,2-dichloroethene	BQL	0.0961	100	7/2/05
1,2-Dichloropropane	BQL	0.0961	100	7/2/05
1,3-Dichloropropane	BQL	0.0961	100	7/2/05
2,2-Dichloropropane	BQL	0.0961	100	7/2/05
1,1-Dichloropropene	BQL	0.0961	100	7/2/05
cis-1,3-Dichloropropene	BQL	0.0961	100	7/2/05
trans-1,3-Dichloropropene	BQL	0.0961	100	7/2/05
Dichlorodifluoromethane	BQL	0.480	100	7/2/05
Diisopropyl ether (DIPE)	BQL	0.0961	100	7/2/05
Ethylbenzene	**0.153**	0.0961	100	7/2/05
Hexachlorobutadiene	BQL	0.0961	100	7/2/05

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: NS2-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-4D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 10:00
Date Received: 6/30/05
Matrix: Soil
%Solids: 84.0

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.480	100	7/2/05
Iodomethane	**0.242**	0.0961	100	7/2/05
Isopropylbenzene	**0.248**	0.0961	100	7/2/05
4-Isopropyltoluene	**0.0989**	0.0961	100	7/2/05
Methylene chloride	BQL	0.480	100	7/2/05
4-Methyl-2-pentanone	BQL	0.480	100	7/2/05
Methyl-tert-butyl ether (MTBE)	BQL	0.0961	100	7/2/05
Naphthalene	**1.68**	0.0961	100	7/2/05
n-Propyl benzene	**0.547**	0.0961	100	7/2/05
Styrene	BQL	0.0961	100	7/2/05
1,1,1,2-Tetrachloroethane	BQL	0.0961	100	7/2/05
1,1,2,2-Tetrachloroethane	BQL	0.0961	100	7/2/05
Tetrachloroethene	BQL	0.0961	100	7/2/05
Toluene	BQL	0.0961	100	7/2/05
1,2,3-Trichlorobenzene	BQL	0.0961	100	7/2/05
1,2,4-Trichlorobenzene	BQL	0.0961	100	7/2/05
Trichloroethene	BQL	0.0961	100	7/2/05
1,1,1-Trichloroethane	BQL	0.0961	100	7/2/05
1,1,2-Trichloroethane	BQL	0.0961	100	7/2/05
Trichlorofluoromethane	BQL	0.0961	100	7/2/05
1,2,3-Trichloropropane	BQL	0.0961	100	7/2/05
1,2,4-Trimethylbenzene	BQL	0.0961	100	7/2/05
1,3,5-Trimethylbenzene	BQL	0.0961	100	7/2/05
Vinyl chloride	BQL	0.0961	100	7/2/05
m-,p-Xylene	BQL	0.192	100	7/2/05
o-Xylene	BQL	0.0961	100	7/2/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.01	0.00866	87
1,2-Dichloroethane-d4	0.01	0.0112	112
Toluene-d8	0.01	0.0106	106

Comments:

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

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-4H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:00
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 83.95

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.369	1	7/8/2005
Acenaphthylene	BQL	0.369	1	7/8/2005
Anthracene	BQL	0.369	1	7/8/2005
Benzo[a]anthracene	BQL	0.369	1	7/8/2005
Benzo[a]pyrene	BQL	0.369	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.369	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.369	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.369	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.369	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.369	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.369	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.369	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.369	1	7/8/2005
Butylbenzylphthalate	BQL	0.369	1	7/8/2005
2-Chloronaphthalene	BQL	0.369	1	7/8/2005
4-Chloroaniline	BQL	1.85	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.369	1	7/8/2005
Chrysene	BQL	0.369	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.369	1	7/8/2005
Dibenzofuran	BQL	0.369	1	7/8/2005
Di-n-Butylphthalate	BQL	0.369	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.369	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.369	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.369	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.738	1	7/8/2005
Diethylphthalate	BQL	0.369	1	7/8/2005
Dimethylphthalate	BQL	0.369	1	7/8/2005
Di-n-octylphthalate	BQL	0.369	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.369	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.369	1	7/8/2005
Diphenylamine *	BQL	0.369	1	7/8/2005
Fluoranthene	BQL	0.369	1	7/8/2005
Fluorene	BQL	0.369	1	7/8/2005
Hexachlorobenzene	BQL	0.369	1	7/8/2005
Hexachlorobutadiene	BQL	0.369	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.738	1	7/8/2005
Hexachloroethane	BQL	0.369	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.369	1	7/8/2005
Isophorone	BQL	0.369	1	7/8/2005
2-Methylnaphthalene	BQL	0.369	1	7/8/2005
Naphthalene	**0.827**	0.369	1	7/8/2005
2-Nitroaniline	BQL	0.369	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-4H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:00
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 83.95

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.85	1	7/8/2005
4-Nitroaniline	BQL	1.85	1	7/8/2005
Nitrobenzene	BQL	0.369	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.369	1	7/8/2005
Phenanthrene	BQL	0.369	1	7/8/2005
Pyrene	BQL	0.369	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.369	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
Nitrobenzene-d5	10	9.9	99
4-Terphenyl-d14	10	12.1	121

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-5
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	84
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	110
Aromatic Surrogate % Recovery	100

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-4G

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-5
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	84
Dilution Factor	1
C_5-C_8 Aliphatics**	70 (mg/Kg)
C_9-C_{12} Aliphatics**	40 (mg/Kg)
C_9-C_{10} Aromatics**	33 (mg/Kg)
Surrogate % Recovery - PID	220***
Surrogate % Recovery - FID	250***

* = 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.

***= High surrogate recovery due to matrix interference

Lab Info: G161-2047-4C

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-10
Client Project ID: North State Milling
Lab Sample ID G161-2047-5C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:05
Date Received: 6/30/05
Matrix: Soil
%Solids: 92.8

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0413	1	7/8/05
Benzene	BQL	0.00413	1	7/8/05
Bromobenzene	BQL	0.00413	1	7/8/05
Bromochloromethane	BQL	0.00413	1	7/8/05
Bromodichloromethane	BQL	0.00413	1	7/8/05
Bromoform	BQL	0.00413	1	7/8/05
Bromomethane	BQL	0.00413	1	7/8/05
2-Butanone	BQL	0.0206	1	7/8/05
n-Butylbenzene	BQL	0.00413	1	7/8/05
sec-Butylbenzene	BQL	0.00413	1	7/8/05
tert-Butylbenzene	BQL	0.00413	1	7/8/05
Carbon disulfide	BQL	0.00413	1	7/8/05
Carbon tetrachloride	BQL	0.00413	1	7/8/05
Chlorobenzene	BQL	0.00413	1	7/8/05
Chloroethane	BQL	0.00413	1	7/8/05
Chloroform	BQL	0.00413	1	7/8/05
Chloromethane	BQL	0.00413	1	7/8/05
2-Chlorotoluene	BQL	0.00413	1	7/8/05
4-Chlorotoluene	BQL	0.00413	1	7/8/05
Dibromochloromethane	BQL	0.00413	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00413	1	7/8/05
Dibromomethane	BQL	0.00413	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00413	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00413	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00413	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00413	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00413	1	7/8/05
1,1-Dichloroethane	BQL	0.00413	1	7/8/05
1,1-Dichloroethene	BQL	0.00413	1	7/8/05
1,2-Dichloroethane	BQL	0.00413	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00413	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00413	1	7/8/05
1,2-Dichloropropane	BQL	0.00413	1	7/8/05
1,3-Dichloropropane	BQL	0.00413	1	7/8/05
2,2-Dichloropropane	BQL	0.00413	1	7/8/05
1,1-Dichloropropene	BQL	0.00413	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00413	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00413	1	7/8/05
Dichlorodifluoromethane	BQL	0.00413	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00413	1	7/8/05
Ethylbenzene	BQL	0.00413	1	7/8/05
Hexachlorobutadiene	BQL	0.00413	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-10
Client Project ID: North State Milling
Lab Sample ID G161-2047-5C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:05
Date Received: 6/30/05
Matrix: Soil
%Solids: 92.8

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00413	1	7/8/05
Iodomethane	BQL	0.00413	1	7/8/05
Isopropylbenzene	BQL	0.00413	1	7/8/05
4-Isopropyltoluene	BQL	0.00413	1	7/8/05
Methylene chloride	BQL	0.0165	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00413	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00413	1	7/8/05
Naphthalene	BQL	0.00413	1	7/8/05
n-Propyl benzene	BQL	0.00413	1	7/8/05
Styrene	BQL	0.00413	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00413	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00413	1	7/8/05
Tetrachloroethene	BQL	0.00413	1	7/8/05
Toluene	BQL	0.00413	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00413	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00413	1	7/8/05
Trichloroethene	BQL	0.00413	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00413	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00413	1	7/8/05
Trichlorofluoromethane	BQL	0.00413	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00413	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00413	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00413	1	7/8/05
Vinyl chloride	BQL	0.00413	1	7/8/05
m-,p-Xylene	BQL	0.00825	1	7/8/05
o-Xylene	BQL	0.00413	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0478	96
1,2-Dichloroethane-d4	0.05	0.0468	94
Toluene-d8	0.05	0.0505	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-5H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:05
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 92.8

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.327	1	7/8/2005
Acenaphthylene	BQL	0.327	1	7/8/2005
Anthracene	BQL	0.327	1	7/8/2005
Benzo[a]anthracene	BQL	0.327	1	7/8/2005
Benzo[a]pyrene	BQL	0.327	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.327	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.327	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.327	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.327	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.327	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.327	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.327	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.327	1	7/8/2005
Butylbenzylphthalate	BQL	0.327	1	7/8/2005
2-Chloronaphthalene	BQL	0.327	1	7/8/2005
4-Chloroaniline	BQL	1.64	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.327	1	7/8/2005
Chrysene	BQL	0.327	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.327	1	7/8/2005
Dibenzofuran	BQL	0.327	1	7/8/2005
Di-n-Butylphthalate	BQL	0.327	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.327	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.327	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.327	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.655	1	7/8/2005
Diethylphthalate	BQL	0.327	1	7/8/2005
Dimethylphthalate	BQL	0.327	1	7/8/2005
Di-n-octylphthalate	BQL	0.327	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.327	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.327	1	7/8/2005
Diphenylamine *	BQL	0.327	1	7/8/2005
Fluoranthene	BQL	0.327	1	7/8/2005
Fluorene	BQL	0.327	1	7/8/2005
Hexachlorobenzene	BQL	0.327	1	7/8/2005
Hexachlorobutadiene	BQL	0.327	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.655	1	7/8/2005
Hexachloroethane	BQL	0.327	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.327	1	7/8/2005
Isophorone	BQL	0.327	1	7/8/2005
2-Methylnaphthalene	BQL	0.327	1	7/8/2005
Naphthalene	BQL	0.327	1	7/8/2005
2-Nitroaniline	BQL	0.327	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-5H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:05
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 92.8

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.64	1	7/8/2005
4-Nitroaniline	BQL	1.64	1	7/8/2005
Nitrobenzene	BQL	0.327	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.327	1	7/8/2005
Phenanthrene	BQL	0.327	1	7/8/2005
Pyrene	BQL	0.327	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.327	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.7	97
Nitrobenzene-d5	10	10	100
4-Terphenyl-d14	10	13.6	136

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-10
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	92.8
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-5G

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-10
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	93
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	120
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: G161-2047-5C

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-10 (Dup)
Client Project ID: North State Milling
Lab Sample ID G161-2047-6C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:05
Date Received: 6/30/05
Matrix: Soil
%Solids: 91.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0405	1	7/8/05
Benzene	BQL	0.00405	1	7/8/05
Bromobenzene	BQL	0.00405	1	7/8/05
Bromochloromethane	BQL	0.00405	1	7/8/05
Bromodichloromethane	BQL	0.00405	1	7/8/05
Bromoform	BQL	0.00405	1	7/8/05
Bromomethane	BQL	0.00405	1	7/8/05
2-Butanone	BQL	0.0202	1	7/8/05
n-Butylbenzene	BQL	0.00405	1	7/8/05
sec-Butylbenzene	BQL	0.00405	1	7/8/05
tert-Butylbenzene	BQL	0.00405	1	7/8/05
Carbon disulfide	BQL	0.00405	1	7/8/05
Carbon tetrachloride	BQL	0.00405	1	7/8/05
Chlorobenzene	BQL	0.00405	1	7/8/05
Chloroethane	BQL	0.00405	1	7/8/05
Chloroform	BQL	0.00405	1	7/8/05
Chloromethane	BQL	0.00405	1	7/8/05
2-Chlorotoluene	BQL	0.00405	1	7/8/05
4-Chlorotoluene	BQL	0.00405	1	7/8/05
Dibromochloromethane	BQL	0.00405	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00405	1	7/8/05
Dibromomethane	BQL	0.00405	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00405	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00405	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00405	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00405	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00405	1	7/8/05
1,1-Dichloroethane	BQL	0.00405	1	7/8/05
1,1-Dichloroethene	BQL	0.00405	1	7/8/05
1,2-Dichloroethane	BQL	0.00405	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00405	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00405	1	7/8/05
1,2-Dichloropropane	BQL	0.00405	1	7/8/05
1,3-Dichloropropane	BQL	0.00405	1	7/8/05
2,2-Dichloropropane	BQL	0.00405	1	7/8/05
1,1-Dichloropropene	BQL	0.00405	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00405	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00405	1	7/8/05
Dichlorodifluoromethane	BQL	0.00405	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00405	1	7/8/05
Ethylbenzene	BQL	0.00405	1	7/8/05
Hexachlorobutadiene	BQL	0.00405	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-10 (Dup)
Client Project ID: North State Milling
Lab Sample ID G161-2047-6C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:05
Date Received: 6/30/05
Matrix: Soil
%Solids: 91.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00405	1	7/8/05
Iodomethane	BQL	0.00405	1	7/8/05
Isopropylbenzene	BQL	0.00405	1	7/8/05
4-Isopropyltoluene	BQL	0.00405	1	7/8/05
Methylene chloride	BQL	0.0162	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00405	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00405	1	7/8/05
Naphthalene	BQL	0.00405	1	7/8/05
n-Propyl benzene	BQL	0.00405	1	7/8/05
Styrene	BQL	0.00405	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00405	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00405	1	7/8/05
Tetrachloroethene	BQL	0.00405	1	7/8/05
Toluene	BQL	0.00405	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00405	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00405	1	7/8/05
Trichloroethene	BQL	0.00405	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00405	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00405	1	7/8/05
Trichlorofluoromethane	BQL	0.00405	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00405	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00405	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00405	1	7/8/05
Vinyl chloride	BQL	0.00405	1	7/8/05
m-,p-Xylene	BQL	0.00810	1	7/8/05
o-Xylene	BQL	0.00405	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0479	96
1,2-Dichloroethane-d4	0.05	0.0433	87
Toluene-d8	0.05	0.051	102

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-10 (Dup)
Client Project ID: North State Milling
Lab Sample ID: G161-2047-6H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:05
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.09

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.342	1	7/8/2005
Acenaphthylene	BQL	0.342	1	7/8/2005
Anthracene	BQL	0.342	1	7/8/2005
Benzo[a]anthracene	BQL	0.342	1	7/8/2005
Benzo[a]pyrene	BQL	0.342	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.342	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.342	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.342	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.342	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.342	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.342	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.342	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.342	1	7/8/2005
Butylbenzylphthalate	BQL	0.342	1	7/8/2005
2-Chloronaphthalene	BQL	0.342	1	7/8/2005
4-Chloroaniline	BQL	1.71	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.342	1	7/8/2005
Chrysene	BQL	0.342	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.342	1	7/8/2005
Dibenzofuran	BQL	0.342	1	7/8/2005
Di-n-Butylphthalate	BQL	0.342	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.342	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.342	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.342	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.684	1	7/8/2005
Diethylphthalate	BQL	0.342	1	7/8/2005
Dimethylphthalate	BQL	0.342	1	7/8/2005
Di-n-octylphthalate	BQL	0.342	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.342	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.342	1	7/8/2005
Diphenylamine *	BQL	0.342	1	7/8/2005
Fluoranthene	BQL	0.342	1	7/8/2005
Fluorene	BQL	0.342	1	7/8/2005
Hexachlorobenzene	BQL	0.342	1	7/8/2005
Hexachlorobutadiene	BQL	0.342	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.684	1	7/8/2005
Hexachloroethane	BQL	0.342	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.342	1	7/8/2005
Isophorone	BQL	0.342	1	7/8/2005
2-Methylnaphthalene	BQL	0.342	1	7/8/2005
Naphthalene	BQL	0.342	1	7/8/2005
2-Nitroaniline	BQL	0.342	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-10 (Dup)
Client Project ID: North State Milling
Lab Sample ID: G161-2047-6H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:05
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.09

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.71	1	7/8/2005
4-Nitroaniline	BQL	1.71	1	7/8/2005
Nitrobenzene	BQL	0.342	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.342	1	7/8/2005
Phenanthrene	BQL	0.342	1	7/8/2005
Pyrene	BQL	0.342	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.342	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.9	99
Nitrobenzene-d5	10	9.9	99
4-Terphenyl-d14	10	13.7	137

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-10 (Dup)
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	91.1
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-6G

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-10 (Dup)
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	91
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	110
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: G161-2047-6A

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-15
Client Project ID: North State Milling
Lab Sample ID G161-2047-7C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:07
Date Received: 6/30/05
Matrix: Soil
%Solids: 92.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0423	1	7/8/05
Benzene	BQL	0.00423	1	7/8/05
Bromobenzene	BQL	0.00423	1	7/8/05
Bromochloromethane	BQL	0.00423	1	7/8/05
Bromodichloromethane	BQL	0.00423	1	7/8/05
Bromoform	BQL	0.00423	1	7/8/05
Bromomethane	BQL	0.00423	1	7/8/05
2-Butanone	BQL	0.0212	1	7/8/05
n-Butylbenzene	BQL	0.00423	1	7/8/05
sec-Butylbenzene	BQL	0.00423	1	7/8/05
tert-Butylbenzene	BQL	0.00423	1	7/8/05
Carbon disulfide	BQL	0.00423	1	7/8/05
Carbon tetrachloride	BQL	0.00423	1	7/8/05
Chlorobenzene	BQL	0.00423	1	7/8/05
Chloroethane	BQL	0.00423	1	7/8/05
Chloroform	BQL	0.00423	1	7/8/05
Chloromethane	BQL	0.00423	1	7/8/05
2-Chlorotoluene	BQL	0.00423	1	7/8/05
4-Chlorotoluene	BQL	0.00423	1	7/8/05
Dibromochloromethane	BQL	0.00423	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00423	1	7/8/05
Dibromomethane	BQL	0.00423	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00423	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00423	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00423	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00423	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00423	1	7/8/05
1,1-Dichloroethane	BQL	0.00423	1	7/8/05
1,1-Dichloroethene	BQL	0.00423	1	7/8/05
1,2-Dichloroethane	BQL	0.00423	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00423	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00423	1	7/8/05
1,2-Dichloropropane	BQL	0.00423	1	7/8/05
1,3-Dichloropropane	BQL	0.00423	1	7/8/05
2,2-Dichloropropane	BQL	0.00423	1	7/8/05
1,1-Dichloropropene	BQL	0.00423	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00423	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00423	1	7/8/05
Dichlorodifluoromethane	BQL	0.00423	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00423	1	7/8/05
Ethylbenzene	BQL	0.00423	1	7/8/05
Hexachlorobutadiene	BQL	0.00423	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-15
Client Project ID: North State Milling
Lab Sample ID G161-2047-7C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:07
Date Received: 6/30/05
Matrix: Soil
%Solids: 92.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00423	1	7/8/05
Iodomethane	BQL	0.00423	1	7/8/05
Isopropylbenzene	BQL	0.00423	1	7/8/05
4-Isopropyltoluene	BQL	0.00423	1	7/8/05
Methylene chloride	BQL	0.0169	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00423	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00423	1	7/8/05
Naphthalene	BQL	0.00423	1	7/8/05
n-Propyl benzene	BQL	0.00423	1	7/8/05
Styrene	BQL	0.00423	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00423	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00423	1	7/8/05
Tetrachloroethene	BQL	0.00423	1	7/8/05
Toluene	BQL	0.00423	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00423	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00423	1	7/8/05
Trichloroethene	BQL	0.00423	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00423	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00423	1	7/8/05
Trichlorofluoromethane	BQL	0.00423	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00423	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00423	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00423	1	7/8/05
Vinyl chloride	BQL	0.00423	1	7/8/05
m-,p-Xylene	BQL	0.00847	1	7/8/05
o-Xylene	BQL	0.00423	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0507	101
1,2-Dichloroethane-d4	0.05	0.0472	94
Toluene-d8	0.05	0.0513	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-15
Client Project ID: North State Milling
Lab Sample ID: G161-2047-7H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:07
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.99

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.339	1	7/8/2005
Acenaphthylene	BQL	0.339	1	7/8/2005
Anthracene	BQL	0.339	1	7/8/2005
Benzo[a]anthracene	BQL	0.339	1	7/8/2005
Benzo[a]pyrene	BQL	0.339	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.339	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.339	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.339	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.339	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.339	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.339	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.339	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.339	1	7/8/2005
Butylbenzylphthalate	BQL	0.339	1	7/8/2005
2-Chloronaphthalene	BQL	0.339	1	7/8/2005
4-Chloroaniline	BQL	1.70	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.339	1	7/8/2005
Chrysene	BQL	0.339	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.339	1	7/8/2005
Dibenzofuran	BQL	0.339	1	7/8/2005
Di-n-Butylphthalate	BQL	0.339	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.339	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.339	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.339	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.679	1	7/8/2005
Diethylphthalate	BQL	0.339	1	7/8/2005
Dimethylphthalate	BQL	0.339	1	7/8/2005
Di-n-octylphthalate	BQL	0.339	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.339	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.339	1	7/8/2005
Diphenylamine *	BQL	0.339	1	7/8/2005
Fluoranthene	BQL	0.339	1	7/8/2005
Fluorene	BQL	0.339	1	7/8/2005
Hexachlorobenzene	BQL	0.339	1	7/8/2005
Hexachlorobutadiene	BQL	0.339	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.679	1	7/8/2005
Hexachloroethane	BQL	0.339	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.339	1	7/8/2005
Isophorone	BQL	0.339	1	7/8/2005
2-Methylnaphthalene	BQL	0.339	1	7/8/2005
Naphthalene	BQL	0.339	1	7/8/2005
2-Nitroaniline	BQL	0.339	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-15
Client Project ID: North State Milling
Lab Sample ID: G161-2047-7H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:07
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.99

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.70	1	7/8/2005
4-Nitroaniline	BQL	1.70	1	7/8/2005
Nitrobenzene	BQL	0.339	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.339	1	7/8/2005
Phenanthrene	BQL	0.339	1	7/8/2005
Pyrene	BQL	0.339	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.339	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.9	99
Nitrobenzene-d5	10	9.8	98
4-Terphenyl-d14	10	13.8	138

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results .	
Sample Identification	NS2-15
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	92
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation.

Lab info: G161-2047-7G

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-15
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	92
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	120
Surrogate % Recovery - FID	97

* = 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: G161-2047-7D

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-18
Client Project ID: North State Milling
Lab Sample ID G161-2047-8C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:10
Date Received: 6/30/05
Matrix: Soil
%Solids: 88.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0464	1	7/8/05
Benzene	BQL	0.00464	1	7/8/05
Bromobenzene	BQL	0.00464	1	7/8/05
Bromochloromethane	BQL	0.00464	1	7/8/05
Bromodichloromethane	BQL	0.00464	1	7/8/05
Bromoform	BQL	0.00464	1	7/8/05
Bromomethane	BQL	0.00464	1	7/8/05
2-Butanone	BQL	0.0232	1	7/8/05
n-Butylbenzene	BQL	0.00464	1	7/8/05
sec-Butylbenzene	BQL	0.00464	1	7/8/05
tert-Butylbenzene	BQL	0.00464	1	7/8/05
Carbon disulfide	BQL	0.00464	1	7/8/05
Carbon tetrachloride	BQL	0.00464	1	7/8/05
Chlorobenzene	BQL	0.00464	1	7/8/05
Chloroethane	BQL	0.00464	1	7/8/05
Chloroform	BQL	0.00464	1	7/8/05
Chloromethane	BQL	0.00464	1	7/8/05
2-Chlorotoluene	BQL	0.00464	1	7/8/05
4-Chlorotoluene	BQL	0.00464	1	7/8/05
Dibromochloromethane	BQL	0.00464	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00464	1	7/8/05
Dibromomethane	BQL	0.00464	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00464	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00464	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00464	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00464	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00464	1	7/8/05
1,1-Dichloroethane	BQL	0.00464	1	7/8/05
1,1-Dichloroethene	BQL	0.00464	1	7/8/05
1,2-Dichloroethane	BQL	0.00464	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00464	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00464	1	7/8/05
1,2-Dichloropropane	BQL	0.00464	1	7/8/05
1,3-Dichloropropane	BQL	0.00464	1	7/8/05
2,2-Dichloropropane	BQL	0.00464	1	7/8/05
1,1-Dichloropropene	BQL	0.00464	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00464	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00464	1	7/8/05
Dichlorodifluoromethane	BQL	0.00464	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00464	1	7/8/05
Ethylbenzene	BQL	0.00464	1	7/8/05
Hexachlorobutadiene	BQL	0.00464	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-18
Client Project ID: North State Milling
Lab Sample ID G161-2047-8C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:10
Date Received: 6/30/05
Matrix: Soil
%Solids: 88.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00464	1	7/8/05
Iodomethane	BQL	0.00464	1	7/8/05
Isopropylbenzene	BQL	0.00464	1	7/8/05
4-Isopropyltoluene	BQL	0.00464	1	7/8/05
Methylene chloride	BQL	0.0186	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00464	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00464	1	7/8/05
Naphthalene	BQL	0.00464	1	7/8/05
n-Propyl benzene	BQL	0.00464	1	7/8/05
Styrene	BQL	0.00464	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00464	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00464	1	7/8/05
Tetrachloroethene	BQL	0.00464	1	7/8/05
Toluene	BQL	0.00464	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00464	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00464	1	7/8/05
Trichloroethene	BQL	0.00464	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00464	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00464	1	7/8/05
Trichlorofluoromethane	BQL	0.00464	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00464	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00464	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00464	1	7/8/05
Vinyl chloride	BQL	0.00464	1	7/8/05
m-,p-Xylene	BQL	0.00928	1	7/8/05
o-Xylene	BQL	0.00464	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0483	97
1,2-Dichloroethane-d4	0.05	0.0446	89
Toluene-d8	0.05	0.0502	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-18
Client Project ID: North State Milling
Lab Sample ID: G161-2047-8H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:10
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 88.02

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.349	1	7/8/2005
Acenaphthylene	BQL	0.349	1	7/8/2005
Anthracene	BQL	0.349	1	7/8/2005
Benzo[a]anthracene	BQL	0.349	1	7/8/2005
Benzo[a]pyrene	BQL	0.349	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.349	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.349	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.349	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.349	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.349	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.349	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.349	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.349	1	7/8/2005
Butylbenzylphthalate	BQL	0.349	1	7/8/2005
2-Chloronaphthalene	BQL	0.349	1	7/8/2005
4-Chloroaniline	BQL	1.75	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.349	1	7/8/2005
Chrysene	BQL	0.349	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.349	1	7/8/2005
Dibenzofuran	BQL	0.349	1	7/8/2005
Di-n-Butylphthalate	BQL	0.349	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.349	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.349	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.349	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.698	1	7/8/2005
Diethylphthalate	BQL	0.349	1	7/8/2005
Dimethylphthalate	BQL	0.349	1	7/8/2005
Di-n-octylphthalate	BQL	0.349	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.349	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.349	1	7/8/2005
Diphenylamine *	BQL	0.349	1	7/8/2005
Fluoranthene	BQL	0.349	1	7/8/2005
Fluorene	BQL	0.349	1	7/8/2005
Hexachlorobenzene	BQL	0.349	1	7/8/2005
Hexachlorobutadiene	BQL	0.349	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.698	1	7/8/2005
Hexachloroethane	BQL	0.349	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.349	1	7/8/2005
Isophorone	BQL	0.349	1	7/8/2005
2-Methylnaphthalene	BQL	0.349	1	7/8/2005
Naphthalene	BQL	0.349	1	7/8/2005
2-Nitroaniline	BQL	0.349	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-18
Client Project ID: North State Milling
Lab Sample ID: G161-2047-8H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:10
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 88.02

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.75	1	7/8/2005
4-Nitroaniline	BQL	1.75	1	7/8/2005
Nitrobenzene	BQL	0.349	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.349	1	7/8/2005
Phenanthrene	BQL	0.349	1	7/8/2005
Pyrene	BQL	0.349	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.349	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.2	102
Nitrobenzene-d5	10	10.4	104
4-Terphenyl-d14	10	13.3	133

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-18
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	88
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-8G

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-18
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	88
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	110
Surrogate % Recovery - FID	87

* = 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: G161-2047-8D

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-5
Client Project ID: North State Milling
Lab Sample ID G161-2047-9C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:27
Date Received: 6/30/05
Matrix: Soil
%Solids: 87 0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0443	1	7/8/05
Benzene	BQL	0.00443	1	7/8/05
Bromobenzene	BQL	0.00443	1	7/8/05
Bromochloromethane	BQL	0.00443	1	7/8/05
Bromodichloromethane	BQL	0.00443	1	7/8/05
Bromoform	BQL	0.00443	1	7/8/05
Bromomethane	BQL	0.00443	1	7/8/05
2-Butanone	BQL	0.0221	1	7/8/05
n-Butylbenzene	BQL	0.00443	1	7/8/05
sec-Butylbenzene	BQL	0.00443	1	7/8/05
tert-Butylbenzene	BQL	0.00443	1	7/8/05
Carbon disulfide	BQL	0.00443	1	7/8/05
Carbon tetrachloride	BQL	0.00443	1	7/8/05
Chlorobenzene	BQL	0.00443	1	7/8/05
Chloroethane	BQL	0.00443	1	7/8/05
Chloroform	BQL	0.00443	1	7/8/05
Chloromethane	BQL	0.00443	1	7/8/05
2-Chlorotoluene	BQL	0.00443	1	7/8/05
4-Chlorotoluene	BQL	0.00443	1	7/8/05
Dibromochloromethane	BQL	0.00443	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00443	1	7/8/05
Dibromomethane	BQL	0.00443	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00443	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00443	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00443	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00443	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00443	1	7/8/05
1,1-Dichloroethane	BQL	0.00443	1	7/8/05
1,1-Dichloroethene	BQL	0.00443	1	7/8/05
1,2-Dichloroethane	BQL	0.00443	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00443	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00443	1	7/8/05
1,2-Dichloropropane	BQL	0.00443	1	7/8/05
1,3-Dichloropropane	BQL	0.00443	1	7/8/05
2,2-Dichloropropane	BQL	0.00443	1	7/8/05
1,1-Dichloropropene	BQL	0.00443	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00443	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00443	1	7/8/05
Dichlorodifluoromethane	BQL	0.00443	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00443	1	7/8/05
Ethylbenzene	BQL	0.00443	1	7/8/05
Hexachlorobutadiene	BQL	0.00443	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-5
Client Project ID: North State Milling
Lab Sample ID G161-2047-9C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:27
Date Received: 6/30/05
Matrix: Soil
%Solids: 87.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00443	1	7/8/05
Iodomethane	BQL	0.00443	1	7/8/05
Isopropylbenzene	BQL	0.00443	1	7/8/05
4-Isopropyltoluene	BQL	0.00443	1	7/8/05
Methylene chloride	BQL	0.0177	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00443	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00443	1	7/8/05
Naphthalene	BQL	0.00443	1	7/8/05
n-Propyl benzene	BQL	0.00443	1	7/8/05
Styrene	BQL	0.00443	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00443	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00443	1	7/8/05
Tetrachloroethene	BQL	0.00443	1	7/8/05
Toluene	BQL	0.00443	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00443	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00443	1	7/8/05
Trichloroethene	BQL	0.00443	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00443	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00443	1	7/8/05
Trichlorofluoromethane	BQL	0.00443	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00443	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00443	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00443	1	7/8/05
Vinyl chloride	BQL	0.00443	1	7/8/05
m-,p-Xylene	BQL	0.00886	1	7/8/05
o-Xylene	BQL	0.00443	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0505	101
1,2-Dichloroethane-d4	0.05	0.0506	101
Toluene-d8	0.05	0.0513	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS3-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-9H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:27
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 86.96

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.341	1	7/9/2005
Acenaphthylene	BQL	0.341	1	7/9/2005
Anthracene	BQL	0.341	1	7/9/2005
Benzo[a]anthracene	BQL	0.341	1	7/9/2005
Benzo[a]pyrene	BQL	0.341	1	7/9/2005
Benzo[b]fluoranthene	BQL	0.341	1	7/9/2005
Benzo[g,h,i]perylene	BQL	0.341	1	7/9/2005
Benzo[k]fluoranthene	BQL	0.341	1	7/9/2005
Bis(2-chloroethoxy)methane	BQL	0.341	1	7/9/2005
Bis(2-chloroethyl)ether	BQL	0.341	1	7/9/2005
Bis(2-chloroisopropyl)ether	BQL	0.341	1	7/9/2005
Bis(2-ethylhexyl)phthalate	BQL	0.341	1	7/9/2005
4-bromophenyl phenyl ether	BQL	0.341	1	7/9/2005
Butylbenzylphthalate	BQL	0.341	1	7/9/2005
2-Chloronaphthalene	BQL	0.341	1	7/9/2005
4-Chloroaniline	BQL	1.70	1	7/9/2005
4-Chlorophenyl phenyl ether	BQL	0.341	1	7/9/2005
Chrysene	BQL	0.341	1	7/9/2005
Dibenzo[a,h]anthracene	BQL	0.341	1	7/9/2005
Dibenzofuran	BQL	0.341	1	7/9/2005
Di-n-Butylphthalate	BQL	0.341	1	7/9/2005
1,2-Dichlorobenzene	BQL	0.341	1	7/9/2005
1,3-Dichlorobenzene	BQL	0.341	1	7/9/2005
1,4-Dichlorobenzene	BQL	0.341	1	7/9/2005
3,3'-Dichlorobenzidine	BQL	0.681	1	7/9/2005
Diethylphthalate	BQL	0.341	1	7/9/2005
Dimethylphthalate	BQL	0.341	1	7/9/2005
Di-n-octylphthalate	BQL	0.341	1	7/9/2005
2,4-Dinitrotoluene	BQL	0.341	1	7/9/2005
2,6-Dinitrotoluene	BQL	0.341	1	7/9/2005
Diphenylamine *	BQL	0.341	1	7/9/2005
Fluoranthene	BQL	0.341	1	7/9/2005
Fluorene	BQL	0.341	1	7/9/2005
Hexachlorobenzene	BQL	0.341	1	7/9/2005
Hexachlorobutadiene	BQL	0.341	1	7/9/2005
Hexachlorocyclopentadiene	BQL	0.681	1	7/9/2005
Hexachloroethane	BQL	0.341	1	7/9/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.341	1	7/9/2005
Isophorone	BQL	0.341	1	7/9/2005
2-Methylnaphthalene	BQL	0.341	1	7/9/2005
Naphthalene	BQL	0.341	1	7/9/2005
2-Nitroaniline	BQL	0.341	1	7/9/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS3-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-9H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:27
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 86.96

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.70	1	7/9/2005
4-Nitroaniline	BQL	1.70	1	7/9/2005
Nitrobenzene	BQL	0.341	1	7/9/2005
N-Nitrosodi-n-propylamine	BQL	0.341	1	7/9/2005
Phenanthrene	BQL	0.341	1	7/9/2005
Pyrene	BQL	0.341	1	7/9/2005
1,2,4-Trichlorobenzene	BQL	0.341	1	7/9/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10	100
Nitrobenzene-d5	10	10.5	105
4-Terphenyl-d14	10	13.1	131

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-5
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	87
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-9G

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-5
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	87
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	110
Surrogate % Recovery - FID	86

* = 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: G161-2047-9B

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-10
Client Project ID: North State Milling
Lab Sample ID G161-2047-10C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:30
Date Received: 6/30/05
Matrix: Soil
%Solids: 94.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0422	1	7/8/05
Benzene	BQL	0.00422	1	7/8/05
Bromobenzene	BQL	0.00422	1	7/8/05
Bromochloromethane	BQL	0.00422	1	7/8/05
Bromodichloromethane	BQL	0.00422	1	7/8/05
Bromoform	BQL	0.00422	1	7/8/05
Bromomethane	BQL	0.00422	1	7/8/05
2-Butanone	BQL	0.0211	1	7/8/05
n-Butylbenzene	BQL	0.00422	1	7/8/05
sec-Butylbenzene	BQL	0.00422	1	7/8/05
tert-Butylbenzene	BQL	0.00422	1	7/8/05
Carbon disulfide	BQL	0.00422	1	7/8/05
Carbon tetrachloride	BQL	0.00422	1	7/8/05
Chlorobenzene	BQL	0.00422	1	7/8/05
Chloroethane	BQL	0.00422	1	7/8/05
Chloroform	BQL	0.00422	1	7/8/05
Chloromethane	BQL	0.00422	1	7/8/05
2-Chlorotoluene	BQL	0.00422	1	7/8/05
4-Chlorotoluene	BQL	0.00422	1	7/8/05
Dibromochloromethane	BQL	0.00422	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00422	1	7/8/05
Dibromomethane	BQL	0.00422	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00422	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00422	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00422	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00422	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00422	1	7/8/05
1,1-Dichloroethane	BQL	0.00422	1	7/8/05
1,1-Dichloroethene	BQL	0.00422	1	7/8/05
1,2-Dichloroethane	BQL	0.00422	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00422	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00422	1	7/8/05
1,2-Dichloropropane	BQL	0.00422	1	7/8/05
1,3-Dichloropropane	BQL	0.00422	1	7/8/05
2,2-Dichloropropane	BQL	0.00422	1	7/8/05
1,1-Dichloropropene	BQL	0.00422	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00422	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00422	1	7/8/05
Dichlorodifluoromethane	BQL	0.00422	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00422	1	7/8/05
Ethylbenzene	BQL	0.00422	1	7/8/05
Hexachlorobutadiene	BQL	0.00422	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-10
Client Project ID: North State Milling
Lab Sample ID G161-2047-10C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:30
Date Received: 6/30/05
Matrix: Soil
%Solids: 94.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00422	1	7/8/05
Iodomethane	BQL	0.00422	1	7/8/05
Isopropylbenzene	BQL	0.00422	1	7/8/05
4-Isopropyltoluene	BQL	0.00422	1	7/8/05
Methylene chloride	BQL	0.0169	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00422	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00422	1	7/8/05
Naphthalene	BQL	0.00422	1	7/8/05
n-Propyl benzene	BQL	0.00422	1	7/8/05
Styrene	BQL	0.00422	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00422	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00422	1	7/8/05
Tetrachloroethene	BQL	0.00422	1	7/8/05
Toluene	BQL	0.00422	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00422	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00422	1	7/8/05
Trichloroethene	BQL	0.00422	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00422	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00422	1	7/8/05
Trichlorofluoromethane	BQL	0.00422	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00422	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00422	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00422	1	7/8/05
Vinyl chloride	BQL	0.00422	1	7/8/05
m-,p-Xylene	BQL	0.00844	1	7/8/05
o-Xylene	BQL	0.00422	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0487	97
1,2-Dichloroethane-d4	0.05	0.0519	104
Toluene-d8	0.05	0.0513	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS3-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-10J
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:30
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 94.38

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.323	1	7/9/2005
Acenaphthylene	BQL	0.323	1	7/9/2005
Anthracene	BQL	0.323	1	7/9/2005
Benzo[a]anthracene	BQL	0.323	1	7/9/2005
Benzo[a]pyrene	BQL	0.323	1	7/9/2005
Benzo[b]fluoranthene	BQL	0.323	1	7/9/2005
Benzo[g,h,i]perylene	BQL	0.323	1	7/9/2005
Benzo[k]fluoranthene	BQL	0.323	1	7/9/2005
Bis(2-chloroethoxy)methane	BQL	0.323	1	7/9/2005
Bis(2-chloroethyl)ether	BQL	0.323	1	7/9/2005
Bis(2-chloroisopropyl)ether	BQL	0.323	1	7/9/2005
Bis(2-ethylhexyl)phthalate	BQL	0.323	1	7/9/2005
4-bromophenyl phenyl ether	BQL	0.323	1	7/9/2005
Butylbenzylphthalate	BQL	0.323	1	7/9/2005
2-Chloronaphthalene	BQL	0.323	1	7/9/2005
4-Chloroaniline	BQL	1.61	1	7/9/2005
4-Chlorophenyl phenyl ether	BQL	0.323	1	7/9/2005
Chrysene	BQL	0.323	1	7/9/2005
Dibenzo[a,h]anthracene	BQL	0.323	1	7/9/2005
Dibenzofuran	BQL	0.323	1	7/9/2005
Di-n-Butylphthalate	BQL	0.323	1	7/9/2005
1,2-Dichlorobenzene	BQL	0.323	1	7/9/2005
1,3-Dichlorobenzene	BQL	0.323	1	7/9/2005
1,4-Dichlorobenzene	BQL	0.323	1	7/9/2005
3,3'-Dichlorobenzidine	BQL	0.646	1	7/9/2005
Diethylphthalate	BQL	0.323	1	7/9/2005
Dimethylphthalate	BQL	0.323	1	7/9/2005
Di-n-octylphthalate	BQL	0.323	1	7/9/2005
2,4-Dinitrotoluene	BQL	0.323	1	7/9/2005
2,6-Dinitrotoluene	BQL	0.323	1	7/9/2005
Diphenylamine *	BQL	0.323	1	7/9/2005
Fluoranthene	BQL	0.323	1	7/9/2005
Fluorene	BQL	0.323	1	7/9/2005
Hexachlorobenzene	BQL	0.323	1	7/9/2005
Hexachlorobutadiene	BQL	0.323	1	7/9/2005
Hexachlorocyclopentadiene	BQL	0.646	1	7/9/2005
Hexachloroethane	BQL	0.323	1	7/9/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.323	1	7/9/2005
Isophorone	BQL	0.323	1	7/9/2005
2-Methylnaphthalene	BQL	0.323	1	7/9/2005
Naphthalene	BQL	0.323	1	7/9/2005
2-Nitroaniline	BQL	0.323	1	7/9/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS3-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-10J
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:30
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 94.38

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.61	1	7/9/2005
4-Nitroaniline	BQL	1.61	1	7/9/2005
Nitrobenzene	BQL	0.323	1	7/9/2005
N-Nitrosodi-n-propylamine	BQL	0.323	1	7/9/2005
Phenanthrene	BQL	0.323	1	7/9/2005
Pyrene	BQL	0.323	1	7/9/2005
1,2,4-Trichlorobenzene	BQL	0.323	1	7/9/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.5	105
Nitrobenzene-d5	10	10.7	107
4-Terphenyl-d14	10	13.9	139

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-10
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/07/05
Dry Weight	94.4
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation.

Lab info: G161-2047-10G

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-10
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	94
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	110
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: G161-2047-10E

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-15
Client Project ID: North State Milling
Lab Sample ID G161-2047-11C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:35
Date Received: 6/30/05
Matrix: Soil
%Solids: 96 0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0446	1	7/8/05
Benzene	BQL	0.00446	1	7/8/05
Bromobenzene	BQL	0.00446	1	7/8/05
Bromochloromethane	BQL	0.00446	1	7/8/05
Bromodichloromethane	BQL	0.00446	1	7/8/05
Bromoform	BQL	0.00446	1	7/8/05
Bromomethane	BQL	0.00446	1	7/8/05
2-Butanone	BQL	0.0223	1	7/8/05
n-Butylbenzene	BQL	0.00446	1	7/8/05
sec-Butylbenzene	BQL	0.00446	1	7/8/05
tert-Butylbenzene	BQL	0.00446	1	7/8/05
Carbon disulfide	BQL	0.00446	1	7/8/05
Carbon tetrachloride	BQL	0.00446	1	7/8/05
Chlorobenzene	BQL	0.00446	1	7/8/05
Chloroethane	BQL	0.00446	1	7/8/05
Chloroform	BQL	0.00446	1	7/8/05
Chloromethane	BQL	0.00446	1	7/8/05
2-Chlorotoluene	BQL	0.00446	1	7/8/05
4-Chlorotoluene	BQL	0 00446	1	7/8/05
Dibromochloromethane	BQL	0.00446	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00446	1	7/8/05
Dibromomethane	BQL	0 00446	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0 00446	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00446	1	7/8/05
1,3-Dichlorobenzene	BQL	0 00446	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00446	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00446	1	7/8/05
1,1-Dichloroethane	BQL	0.00446	1	7/8/05
1,1-Dichloroethene	BQL	0.00446	1	7/8/05
1,2-Dichloroethane	BQL	0.00446	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00446	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00446	1	7/8/05
1,2-Dichloropropane	BQL	0.00446	1	7/8/05
1,3-Dichloropropane	BQL	0 00446	1	7/8/05
2,2-Dichloropropane	BQL	0 00446	1	7/8/05
1,1-Dichloropropene	BQL	0.00446	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00446	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00446	1	7/8/05
Dichlorodifluoromethane	BQL	0.00446	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00446	1	7/8/05
Ethylbenzene	BQL	0.00446	1	7/8/05
Hexachlorobutadiene	BQL	0.00446	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-15
Client Project ID: North State Milling
Lab Sample ID G161-2047-11C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:35
Date Received: 6/30/05
Matrix: Soil
%Solids: 96.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00446	1	7/8/05
Iodomethane	BQL	0.00446	1	7/8/05
Isopropylbenzene	BQL	0.00446	1	7/8/05
4-Isopropyltoluene	BQL	0.00446	1	7/8/05
Methylene chloride	BQL	0.0178	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00446	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00446	1	7/8/05
Naphthalene	BQL	0.00446	1	7/8/05
n-Propyl benzene	BQL	0.00446	1	7/8/05
Styrene	BQL	0.00446	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00446	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00446	1	7/8/05
Tetrachloroethene	BQL	0.00446	1	7/8/05
Toluene	BQL	0.00446	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00446	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00446	1	7/8/05
Trichloroethene	BQL	0.00446	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00446	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00446	1	7/8/05
Trichlorofluoromethane	BQL	0.00446	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00446	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00446	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00446	1	7/8/05
Vinyl chloride	BQL	0.00446	1	7/8/05
m-,p-Xylene	BQL	0.00892	1	7/8/05
o-Xylene	BQL	0.00446	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0487	97
1,2-Dichloroethane-d4	0.05	0.0518	104
Toluene-d8	0.05	0.0514	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS3-15
Client Project ID: North State Milling
Lab Sample ID: G161-2047-11H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:35
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 96.01

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.319	1	7/9/2005
Acenaphthylene	BQL	0.319	1	7/9/2005
Anthracene	BQL	0.319	1	7/9/2005
Benzo[a]anthracene	BQL	0.319	1	7/9/2005
Benzo[a]pyrene	BQL	0.319	1	7/9/2005
Benzo[b]fluoranthene	BQL	0.319	1	7/9/2005
Benzo[g,h,i]perylene	BQL	0.319	1	7/9/2005
Benzo[k]fluoranthene	BQL	0.319	1	7/9/2005
Bis(2-chloroethoxy)methane	BQL	0.319	1	7/9/2005
Bis(2-chloroethyl)ether	BQL	0.319	1	7/9/2005
Bis(2-chloroisopropyl)ether	BQL	0.319	1	7/9/2005
Bis(2-ethylhexyl)phthalate	BQL	0.319	1	7/9/2005
4-bromophenyl phenyl ether	BQL	0.319	1	7/9/2005
Butylbenzylphthalate	BQL	0.319	1	7/9/2005
2-Chloronaphthalene	BQL	0.319	1	7/9/2005
4-Chloroaniline	BQL	1.59	1	7/9/2005
4-Chlorophenyl phenyl ether	BQL	0.319	1	7/9/2005
Chrysene	BQL	0.319	1	7/9/2005
Dibenzo[a,h]anthracene	BQL	0.319	1	7/9/2005
Dibenzofuran	BQL	0.319	1	7/9/2005
Di-n-Butylphthalate	BQL	0.319	1	7/9/2005
1,2-Dichlorobenzene	BQL	0.319	1	7/9/2005
1,3-Dichlorobenzene	BQL	0.319	1	7/9/2005
1,4-Dichlorobenzene	BQL	0.319	1	7/9/2005
3,3'-Dichlorobenzidine	BQL	0.638	1	7/9/2005
Diethylphthalate	BQL	0.319	1	7/9/2005
Dimethylphthalate	BQL	0.319	1	7/9/2005
Di-n-octylphthalate	BQL	0.319	1	7/9/2005
2,4-Dinitrotoluene	BQL	0.319	1	7/9/2005
2,6-Dinitrotoluene	BQL	0.319	1	7/9/2005
Diphenylamine *	BQL	0.319	1	7/9/2005
Fluoranthene	BQL	0.319	1	7/9/2005
Fluorene	BQL	0.319	1	7/9/2005
Hexachlorobenzene	BQL	0.319	1	7/9/2005
Hexachlorobutadiene	BQL	0.319	1	7/9/2005
Hexachlorocyclopentadiene	BQL	0.638	1	7/9/2005
Hexachloroethane	BQL	0.319	1	7/9/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.319	1	7/9/2005
Isophorone	BQL	0.319	1	7/9/2005
2-Methylnaphthalene	BQL	0.319	1	7/9/2005
Naphthalene	BQL	0.319	1	7/9/2005
2-Nitroaniline	BQL	0.319	1	7/9/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS3-15
Client Project ID: North State Milling
Lab Sample ID: G161-2047-11H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:35
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 96.01

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.59	1	7/9/2005
4-Nitroaniline	BQL	1.59	1	7/9/2005
Nitrobenzene	BQL	0.319	1	7/9/2005
N-Nitrosodi-n-propylamine	BQL	0.319	1	7/9/2005
Phenanthrene	BQL	0.319	1	7/9/2005
Pyrene	BQL	0.319	1	7/9/2005
1,2,4-Trichlorobenzene	BQL	0.319	1	7/9/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.4	104
Nitrobenzene-d5	10	9.9	99
4-Terphenyl-d14	10	13.4	134

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-15
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/07/05
Dry Weight	96
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	100
Aromatic Surrogate % Recovery	100

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation.

Lab info: G161-2047-11G

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-15
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	96
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	110
Surrogate % Recovery - FID	87

* = 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: G161-2047-11E

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-18.5
Client Project ID: North State Milling
Lab Sample ID G161-2047-12B
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:40
Date Received: 6/30/05
Matrix: Soil
%Solids: 94.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0421	1	7/8/05
Benzene	BQL	0.00421	1	7/8/05
Bromobenzene	BQL	0.00421	1	7/8/05
Bromochloromethane	BQL	0.00421	1	7/8/05
Bromodichloromethane	BQL	0.00421	1	7/8/05
Bromoform	BQL	0.00421	1	7/8/05
Bromomethane	BQL	0.00421	1	7/8/05
2-Butanone	BQL	0.0210	1	7/8/05
n-Butylbenzene	BQL	0.00421	1	7/8/05
sec-Butylbenzene	BQL	0.00421	1	7/8/05
tert-Butylbenzene	BQL	0.00421	1	7/8/05
Carbon disulfide	BQL	0.00421	1	7/8/05
Carbon tetrachloride	BQL	0.00421	1	7/8/05
Chlorobenzene	BQL	0.00421	1	7/8/05
Chloroethane	BQL	0.00421	1	7/8/05
Chloroform	BQL	0.00421	1	7/8/05
Chloromethane	BQL	0.00421	1	7/8/05
2-Chlorotoluene	BQL	0.00421	1	7/8/05
4-Chlorotoluene	BQL	0.00421	1	7/8/05
Dibromochloromethane	BQL	0.00421	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00421	1	7/8/05
Dibromomethane	BQL	0.00421	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00421	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00421	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00421	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00421	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00421	1	7/8/05
1,1-Dichloroethane	BQL	0.00421	1	7/8/05
1,1-Dichloroethene	BQL	0.00421	1	7/8/05
1,2-Dichloroethane	BQL	0.00421	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00421	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00421	1	7/8/05
1,2-Dichloropropane	BQL	0.00421	1	7/8/05
1,3-Dichloropropane	BQL	0.00421	1	7/8/05
2,2-Dichloropropane	BQL	0.00421	1	7/8/05
1,1-Dichloropropene	BQL	0.00421	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00421	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00421	1	7/8/05
Dichlorodifluoromethane	BQL	0.00421	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00421	1	7/8/05
Ethylbenzene	BQL	0.00421	1	7/8/05
Hexachlorobutadiene	BQL	0.00421	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-18.5
Client Project ID: North State Milling
Lab Sample ID G161-2047-12B
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:40
Date Received: 6/30/05
Matrix: Soil
%Solids: 94.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00421	1	7/8/05
Iodomethane	BQL	0.00421	1	7/8/05
Isopropylbenzene	BQL	0.00421	1	7/8/05
4-Isopropyltoluene	BQL	0.00421	1	7/8/05
Methylene chloride	BQL	0.0168	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00421	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00421	1	7/8/05
Naphthalene	BQL	0.00421	1	7/8/05
n-Propyl benzene	BQL	0.00421	1	7/8/05
Styrene	BQL	0.00421	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00421	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00421	1	7/8/05
Tetrachloroethene	BQL	0.00421	1	7/8/05
Toluene	BQL	0.00421	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00421	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00421	1	7/8/05
Trichloroethene	BQL	0.00421	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00421	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00421	1	7/8/05
Trichlorofluoromethane	BQL	0.00421	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00421	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00421	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00421	1	7/8/05
Vinyl chloride	BQL	0.00421	1	7/8/05
m-,p-Xylene	BQL	0.00841	1	7/8/05
o-Xylene	BQL	0.00421	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0501	100
1,2-Dichloroethane-d4	0.05	0.0537	107
Toluene-d8	0.05	0.0509	102

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS3-18.5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-12I
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:40
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 94.05

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.320	1	7/9/2005
Acenaphthylene	BQL	0.320	1	7/9/2005
Anthracene	BQL	0.320	1	7/9/2005
Benzo[a]anthracene	BQL	0.320	1	7/9/2005
Benzo[a]pyrene	BQL	0.320	1	7/9/2005
Benzo[b]fluoranthene	BQL	0.320	1	7/9/2005
Benzo[g,h,i]perylene	BQL	0.320	1	7/9/2005
Benzo[k]fluoranthene	BQL	0.320	1	7/9/2005
Bis(2-chloroethoxy)methane	BQL	0.320	1	7/9/2005
Bis(2-chloroethyl)ether	BQL	0.320	1	7/9/2005
Bis(2-chloroisopropyl)ether	BQL	0.320	1	7/9/2005
Bis(2-ethylhexyl)phthalate	BQL	0.320	1	7/9/2005
4-bromophenyl phenyl ether	BQL	0.320	1	7/9/2005
Butylbenzylphthalate	BQL	0.320	1	7/9/2005
2-Chloronaphthalene	BQL	0.320	1	7/9/2005
4-Chloroaniline	BQL	1.60	1	7/9/2005
4-Chlorophenyl phenyl ether	BQL	0.320	1	7/9/2005
Chrysene	BQL	0.320	1	7/9/2005
Dibenzo[a,h]anthracene	BQL	0.320	1	7/9/2005
Dibenzofuran	BQL	0.320	1	7/9/2005
Di-n-Butylphthalate	BQL	0.320	1	7/9/2005
1,2-Dichlorobenzene	BQL	0.320	1	7/9/2005
1,3-Dichlorobenzene	BQL	0.320	1	7/9/2005
1,4-Dichlorobenzene	BQL	0.320	1	7/9/2005
3,3'-Dichlorobenzidine	BQL	0.640	1	7/9/2005
Diethylphthalate	BQL	0.320	1	7/9/2005
Dimethylphthalate	BQL	0.320	1	7/9/2005
Di-n-octylphthalate	BQL	0.320	1	7/9/2005
2,4-Dinitrotoluene	BQL	0.320	1	7/9/2005
2,6-Dinitrotoluene	BQL	0.320	1	7/9/2005
Diphenylamine *	BQL	0.320	1	7/9/2005
Fluoranthene	BQL	0.320	1	7/9/2005
Fluorene	BQL	0.320	1	7/9/2005
Hexachlorobenzene	BQL	0.320	1	7/9/2005
Hexachlorobutadiene	BQL	0.320	1	7/9/2005
Hexachlorocyclopentadiene	BQL	0.640	1	7/9/2005
Hexachloroethane	BQL	0.320	1	7/9/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.320	1	7/9/2005
Isophorone	BQL	0.320	1	7/9/2005
2-Methylnaphthalene	BQL	0.320	1	7/9/2005
Naphthalene	BQL	0.320	1	7/9/2005
2-Nitroaniline	BQL	0.320	1	7/9/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS3-18.5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-12I
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:40
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 94.05

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.60	1	7/9/2005
4-Nitroaniline	BQL	1.60	1	7/9/2005
Nitrobenzene	BQL	0.320	1	7/9/2005
N-Nitrosodi-n-propylamine	BQL	0.320	1	7/9/2005
Phenanthrene	BQL	0.320	1	7/9/2005
Pyrene	BQL	0.320	1	7/9/2005
1,2,4-Trichlorobenzene	BQL	0.320	1	7/9/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.4	104
Nitrobenzene-d5	10	10.3	103
4-Terphenyl-d14	10	12.7	127

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-18.5
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/07/05
Dry Weight	94.1
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	98
Aromatic Surrogate % Recovery	100

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-12G

Reviewed By: [illegible]

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-18.5
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	94
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	110
Surrogate % Recovery - FID	83

* = 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: G161-2047-12C

Reviewed By:

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: NS4-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-13D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 11:04
Date Received: 6/30/05
Matrix: Soil
%Solids: 72.6

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	3.17	100	7/2/05
Benzene	BQL	0.127	100	7/2/05
Bromobenzene	BQL	0.127	100	7/2/05
Bromochloromethane	BQL	0.127	100	7/2/05
Bromodichloromethane	BQL	0.127	100	7/2/05
Bromoform	BQL	0.127	100	7/2/05
Bromomethane	BQL	0.127	100	7/2/05
2-Butanone	BQL	3.17	100	7/2/05
n-Butylbenzene	**0.629**	0.127	100	7/2/05
sec-Butylbenzene	**0.419**	0.127	100	7/2/05
tert-Butylbenzene	**0.135**	0.127	100	7/2/05
Carbon disulfide	BQL	0.127	100	7/2/05
Carbon tetrachloride	BQL	0.127	100	7/2/05
Chlorobenzene	BQL	0.127	100	7/2/05
Chloroethane	BQL	0.127	100	7/2/05
Chloroform	BQL	0.127	100	7/2/05
Chloromethane	BQL	0.127	100	7/2/05
2-Chlorotoluene	BQL	0.127	100	7/2/05
4-Chlorotoluene	BQL	0.127	100	7/2/05
Dibromochloromethane	BQL	0.127	100	7/2/05
1,2-Dibromo-3-chloropropane	BQL	0.633	100	7/2/05
Dibromomethane	BQL	0.127	100	7/2/05
1,2-Dibromoethane (EDB)	BQL	0.127	100	7/2/05
1,2-Dichlorobenzene	BQL	0.127	100	7/2/05
1,3-Dichlorobenzene	BQL	0.127	100	7/2/05
1,4-Dichlorobenzene	BQL	0.127	100	7/2/05
trans-1,4-Dichloro-2-butene	BQL	0.633	100	7/2/05
1,1-Dichloroethane	BQL	0.127	100	7/2/05
1,1-Dichloroethene	BQL	0.127	100	7/2/05
1,2-Dichloroethane	BQL	0.127	100	7/2/05
cis-1,2-Dichloroethene	BQL	0.127	100	7/2/05
trans-1,2-dichloroethene	BQL	0.127	100	7/2/05
1,2-Dichloropropane	BQL	0.127	100	7/2/05
1,3-Dichloropropane	BQL	0.127	100	7/2/05
2,2-Dichloropropane	BQL	0.127	100	7/2/05
1,1-Dichloropropene	BQL	0.127	100	7/2/05
cis-1,3-Dichloropropene	BQL	0.127	100	7/2/05
trans-1,3-Dichloropropene	BQL	0.127	100	7/2/05
Dichlorodifluoromethane	BQL	0.633	100	7/2/05
Diisopropyl ether (DIPE)	BQL	0.127	100	7/2/05
Ethylbenzene	BQL	0.127	100	7/2/05
Hexachlorobutadiene	BQL	0.127	100	7/2/05

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: NS4-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-13D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 11:04
Date Received: 6/30/05
Matrix: Soil
%Solids: 72.6

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.633	100	7/2/05
Iodomethane	**0.318**	0.127	100	7/2/05
Isopropylbenzene	BQL	0.127	100	7/2/05
4-Isopropyltoluene	**0.198**	0.127	100	7/2/05
Methylene chloride	BQL	0.633	100	7/2/05
4-Methyl-2-pentanone	BQL	0.633	100	7/2/05
Methyl-tert-butyl ether (MTBE)	BQL	0.127	100	7/2/05
Naphthalene	**2.14**	0.127	100	7/2/05
n-Propyl benzene	BQL	0.127	100	7/2/05
Styrene	BQL	0.127	100	7/2/05
1,1,1,2-Tetrachloroethane	BQL	0.127	100	7/2/05
1,1,2,2-Tetrachloroethane	BQL	0.127	100	7/2/05
Tetrachloroethene	BQL	0.127	100	7/2/05
Toluene	BQL	0.127	100	7/2/05
1,2,3-Trichlorobenzene	BQL	0.127	100	7/2/05
1,2,4-Trichlorobenzene	BQL	0.127	100	7/2/05
Trichloroethene	BQL	0.127	100	7/2/05
1,1,1-Trichloroethane	BQL	0.127	100	7/2/05
1,1,2-Trichloroethane	BQL	0.127	100	7/2/05
Trichlorofluoromethane	BQL	0.127	100	7/2/05
1,2,3-Trichloropropane	BQL	0.127	100	7/2/05
1,2,4-Trimethylbenzene	BQL	0.127	100	7/2/05
1,3,5-Trimethylbenzene	BQL	0.127	100	7/2/05
Vinyl chloride	BQL	0.127	100	7/2/05
m-,p-Xylene	BQL	0.253	100	7/2/05
o-Xylene	BQL	0.127	100	7/2/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.01	0.00985	98
1,2-Dichloroethane-d4	0.01	0.011	110
Toluene-d8	0.01	0.0102	102

Comments:

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

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS4-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-13H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:04
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 72.59

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	**2.54**	1.70	4	7/13/2005
Acenaphthylene	BQL	1.70	4	7/13/2005
Anthracene	BQL	1.70	4	7/13/2005
Benzo[a]anthracene	BQL	1.70	4	7/13/2005
Benzo[a]pyrene	BQL	1.70	4	7/13/2005
Benzo[b]fluoranthene	BQL	1.70	4	7/13/2005
Benzo[g,h,i]perylene	BQL	1.70	4	7/13/2005
Benzo[k]fluoranthene	BQL	1.70	4	7/13/2005
Bis(2-chloroethoxy)methane	BQL	1.70	4	7/13/2005
Bis(2-chloroethyl)ether	BQL	1.70	4	7/13/2005
Bis(2-chloroisopropyl)ether	BQL	1.70	4	7/13/2005
Bis(2-ethylhexyl)phthalate	BQL	1.70	4	7/13/2005
4-bromophenyl phenyl ether	BQL	1.70	4	7/13/2005
Butylbenzylphthalate	BQL	1.70	4	7/13/2005
2-Chloronaphthalene	BQL	1.70	4	7/13/2005
4-Chloroaniline	BQL	8.52	4	7/13/2005
4-Chlorophenyl phenyl ether	BQL	1.70	4	7/13/2005
Chrysene	BQL	1.70	4	7/13/2005
Dibenzo[a,h]anthracene	BQL	1.70	4	7/13/2005
Dibenzofuran	**1.91**	1.70	4	7/13/2005
Di-n-Butylphthalate	BQL	1.70	4	7/13/2005
1,2-Dichlorobenzene	BQL	1.70	4	7/13/2005
1,3-Dichlorobenzene	BQL	1.70	4	7/13/2005
1,4-Dichlorobenzene	BQL	1.70	4	7/13/2005
3,3'-Dichlorobenzidine	BQL	3.41	4	7/13/2005
Diethylphthalate	BQL	1.70	4	7/13/2005
Dimethylphthalate	BQL	1.70	4	7/13/2005
Di-n-octylphthalate	BQL	1.70	4	7/13/2005
2,4-Dinitrotoluene	BQL	1.70	4	7/13/2005
2,6-Dinitrotoluene	BQL	1.70	4	7/13/2005
Diphenylamine *	BQL	1.70	4	7/13/2005
Fluoranthene	BQL	1.70	4	7/13/2005
Fluorene	**4.33**	1.70	4	7/13/2005
Hexachlorobenzene	BQL	1.70	4	7/13/2005
Hexachlorobutadiene	BQL	1.70	4	7/13/2005
Hexachlorocyclopentadiene	BQL	3.41	4	7/13/2005
Hexachloroethane	BQL	1.70	4	7/13/2005
Indeno(1,2,3-c,d)pyrene	BQL	1.70	4	7/13/2005
Isophorone	BQL	1.70	4	7/13/2005
2-Methylnaphthalene	**31.8**	1.70	4	7/13/2005
Naphthalene	**3.82**	1.70	4	7/13/2005
2-Nitroaniline	BQL	1.70	4	7/13/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS4-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-13H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:04
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 72.59

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	8.52	4	7/13/2005
4-Nitroaniline	BQL	8.52	4	7/13/2005
Nitrobenzene	BQL	1.70	4	7/13/2005
N-Nitrosodi-n-propylamine	BQL	1.70	4	7/13/2005
Phenanthrene	**9.14**	1.70	4	7/13/2005
Pyrene	BQL	1.70	4	7/13/2005
1,2,4-Trichlorobenzene	BQL	1.70	4	7/13/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	2.3	93
Nitrobenzene-d5	10	1.9	77
4-Terphenyl-d14	10	2.4	94

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS4-5
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/07/05
Dry Weight	72.6
Dilution Factor	4:1
C_9-C_{18} Aliphatics*	2400 (mg/Kg)
C_{19}-C_{36} Aliphatics*	45 (mg/Kg)
C_{11}-C_{22} Aromatics*	1100 (mg/Kg)
Aliphatic Surrogate % Recovery	104
Aromatic Surrogate % Recovery	110
Fractionation Surrogate 1 % Recovery	64

Comments:

* = Excludes any surrogates or internal standards

Lab info: G161-2047-13G

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS4-5
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	73
Dilution Factor	1
C_5-C_8 Aliphatics**	< 10 (mg/Kg)
C_9-C_{12} Aliphatics**	43 (mg/Kg)
C_9-C_{10} Aromatics**	69 (mg/Kg)
Surrogate % Recovery - PID	260***
Surrogate % Recovery - FID	190***

* = 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.

***= High surrogate recovery due to matrix interference

Lab Info: G161-2047-13C

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS4-10
Client Project ID: North State Milling
Lab Sample ID G161-2047-14A
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 11:06
Date Received: 6/30/05
Matrix: Soil
%Solids: 74.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0495	1	7/7/05
Benzene	BQL	0.00495	1	7/7/05
Bromobenzene	BQL	0.00495	1	7/7/05
Bromochloromethane	BQL	0.00495	1	7/7/05
Bromodichloromethane	BQL	0.00495	1	7/7/05
Bromoform	BQL	0.00495	1	7/7/05
Bromomethane	BQL	0.00495	1	7/7/05
2-Butanone	BQL	0.0247	1	7/7/05
n-Butylbenzene	BQL	0.00495	1	7/7/05
sec-Butylbenzene	BQL	0.00495	1	7/7/05
tert-Butylbenzene	BQL	0.00495	1	7/7/05
Carbon disulfide	BQL	0.00495	1	7/7/05
Carbon tetrachloride	BQL	0.00495	1	7/7/05
Chlorobenzene	BQL	0.00495	1	7/7/05
Chloroethane	BQL	0.00495	1	7/7/05
Chloroform	BQL	0.00495	1	7/7/05
Chloromethane	BQL	0.00495	1	7/7/05
2-Chlorotoluene	BQL	0.00495	1	7/7/05
4-Chlorotoluene	BQL	0.00495	1	7/7/05
Dibromochloromethane	BQL	0.00495	1	7/7/05
1,2-Dibromo-3-chloropropane	BQL	0.00495	1	7/7/05
Dibromomethane	BQL	0.00495	1	7/7/05
1,2-Dibromoethane (EDB)	BQL	0.00495	1	7/7/05
1,2-Dichlorobenzene	BQL	0.00495	1	7/7/05
1,3-Dichlorobenzene	BQL	0.00495	1	7/7/05
1,4-Dichlorobenzene	BQL	0.00495	1	7/7/05
trans-1,4-Dichloro-2-butene	BQL	0.00495	1	7/7/05
1,1-Dichloroethane	BQL	0.00495	1	7/7/05
1,1-Dichloroethene	BQL	0.00495	1	7/7/05
1,2-Dichloroethane	BQL	0.00495	1	7/7/05
cis-1,2-Dichloroethene	BQL	0.00495	1	7/7/05
trans-1,2-dichloroethene	BQL	0.00495	1	7/7/05
1,2-Dichloropropane	BQL	0.00495	1	7/7/05
1,3-Dichloropropane	BQL	0.00495	1	7/7/05
2,2-Dichloropropane	BQL	0.00495	1	7/7/05
1,1-Dichloropropene	BQL	0.00495	1	7/7/05
cis-1,3-Dichloropropene	BQL	0.00495	1	7/7/05
trans-1,3-Dichloropropene	BQL	0.00495	1	7/7/05
Dichlorodifluoromethane	BQL	0.00495	1	7/7/05
Diisopropyl ether (DIPE)	BQL	0.00495	1	7/7/05
Ethylbenzene	BQL	0.00495	1	7/7/05
Hexachlorobutadiene	BQL	0.00495	1	7/7/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS4-10
Client Project ID: North State Milling
Lab Sample ID G161-2047-14A
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 11:06
Date Received: 6/30/05
Matrix: Soil
%Solids: 74.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00495	1	7/7/05
Iodomethane	BQL	0.00495	1	7/7/05
Isopropylbenzene	BQL	0.00495	1	7/7/05
4-Isopropyltoluene	BQL	0.00495	1	7/7/05
Methylene chloride	BQL	0.0198	1	7/7/05
4-Methyl-2-pentanone	BQL	0.00495	1	7/7/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00495	1	7/7/05
Naphthalene	BQL	0.00495	1	7/7/05
n-Propyl benzene	BQL	0.00495	1	7/7/05
Styrene	BQL	0.00495	1	7/7/05
1,1,1,2-Tetrachloroethane	BQL	0.00495	1	7/7/05
1,1,2,2-Tetrachloroethane	BQL	0.00495	1	7/7/05
Tetrachloroethene	BQL	0.00495	1	7/7/05
Toluene	BQL	0.00495	1	7/7/05
1,2,3-Trichlorobenzene	BQL	0.00495	1	7/7/05
1,2,4-Trichlorobenzene	BQL	0.00495	1	7/7/05
Trichloroethene	BQL	0.00495	1	7/7/05
1,1,1-Trichloroethane	BQL	0.00495	1	7/7/05
1,1,2-Trichloroethane	BQL	0.00495	1	7/7/05
Trichlorofluoromethane	BQL	0.00495	1	7/7/05
1,2,3-Trichloropropane	BQL	0.00495	1	7/7/05
1,2,4-Trimethylbenzene	BQL	0.00495	1	7/7/05
1,3,5-Trimethylbenzene	BQL	0.00495	1	7/7/05
Vinyl chloride	BQL	0.00495	1	7/7/05
m-,p-Xylene	BQL	0.00989	1	7/7/05
o-Xylene	BQL	0.00495	1	7/7/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0487	97
1,2-Dichloroethane-d4	0.05	0.053	106
Toluene-d8	0.05	0.0506	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS4-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-14H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:06
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 74.43

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.417	1	7/11/2005
Acenaphthylene	BQL	0.417	1	7/11/2005
Anthracene	BQL	0.417	1	7/11/2005
Benzo[a]anthracene	BQL	0.417	1	7/11/2005
Benzo[a]pyrene	BQL	0.417	1	7/11/2005
Benzo[b]fluoranthene	BQL	0.417	1	7/11/2005
Benzo[g,h,i]perylene	BQL	0.417	1	7/11/2005
Benzo[k]fluoranthene	BQL	0.417	1	7/11/2005
Bis(2-chloroethoxy)methane	BQL	0.417	1	7/11/2005
Bis(2-chloroethyl)ether	BQL	0.417	1	7/11/2005
Bis(2-chloroisopropyl)ether	BQL	0.417	1	7/11/2005
Bis(2-ethylhexyl)phthalate	BQL	0.417	1	7/11/2005
4-bromophenyl phenyl ether	BQL	0.417	1	7/11/2005
Butylbenzylphthalate	BQL	0.417	1	7/11/2005
2-Chloronaphthalene	BQL	0.417	1	7/11/2005
4-Chloroaniline	BQL	2.09	1	7/11/2005
4-Chlorophenyl phenyl ether	BQL	0.417	1	7/11/2005
Chrysene	BQL	0.417	1	7/11/2005
Dibenzo[a,h]anthracene	BQL	0.417	1	7/11/2005
Dibenzofuran	BQL	0.417	1	7/11/2005
Di-n-Butylphthalate	BQL	0.417	1	7/11/2005
1,2-Dichlorobenzene	BQL	0.417	1	7/11/2005
1,3-Dichlorobenzene	BQL	0.417	1	7/11/2005
1,4-Dichlorobenzene	BQL	0.417	1	7/11/2005
3,3'-Dichlorobenzidine	BQL	0.834	1	7/11/2005
Diethylphthalate	BQL	0.417	1	7/11/2005
Dimethylphthalate	BQL	0.417	1	7/11/2005
Di-n-octylphthalate	BQL	0.417	1	7/11/2005
2,4-Dinitrotoluene	BQL	0.417	1	7/11/2005
2,6-Dinitrotoluene	BQL	0.417	1	7/11/2005
Diphenylamine *	BQL	0.417	1	7/11/2005
Fluoranthene	BQL	0.417	1	7/11/2005
Fluorene	BQL	0.417	1	7/11/2005
Hexachlorobenzene	BQL	0.417	1	7/11/2005
Hexachlorobutadiene	BQL	0.417	1	7/11/2005
Hexachlorocyclopentadiene	BQL	0.834	1	7/11/2005
Hexachloroethane	BQL	0.417	1	7/11/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.417	1	7/11/2005
Isophorone	BQL	0.417	1	7/11/2005
2-Methylnaphthalene	BQL	0.417	1	7/11/2005
Naphthalene	BQL	0.417	1	7/11/2005
2-Nitroaniline	BQL	0.417	1	7/11/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS4-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-14H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:06
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 74.43

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	2.09	1	7/11/2005
4-Nitroaniline	BQL	2.09	1	7/11/2005
Nitrobenzene	BQL	0.417	1	7/11/2005
N-Nitrosodi-n-propylamine	BQL	0.417	1	7/11/2005
Phenanthrene	BQL	0.417	1	7/11/2005
Pyrene	BQL	0.417	1	7/11/2005
1,2,4-Trichlorobenzene	BQL	0.417	1	7/11/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.2	82
Nitrobenzene-d5	10	9.5	95
4-Terphenyl-d14	10	12.3	123

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS4-10
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/05/05
Date Analyzed	07/07/05
Dry Weight	74.4
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	110
Aromatic Surrogate % Recovery	100

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-14G

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS4-10
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	74
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	120
Surrogate % Recovery - FID	100

* = 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: G161-2047-14A

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS4-15
Client Project ID: North State Milling
Lab Sample ID G161-2047-15C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 11:09
Date Received: 6/30/05
Matrix: Soil
%Solids: 70.3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0538	1	7/8/05
Benzene	BQL	0.00538	1	7/8/05
Bromobenzene	BQL	0.00538	1	7/8/05
Bromochloromethane	BQL	0.00538	1	7/8/05
Bromodichloromethane	BQL	0.00538	1	7/8/05
Bromoform	BQL	0.00538	1	7/8/05
Bromomethane	BQL	0.00538	1	7/8/05
2-Butanone	BQL	0.0269	1	7/8/05
n-Butylbenzene	BQL	0.00538	1	7/8/05
sec-Butylbenzene	BQL	0.00538	1	7/8/05
tert-Butylbenzene	BQL	0.00538	1	7/8/05
Carbon disulfide	BQL	0.00538	1	7/8/05
Carbon tetrachloride	BQL	0.00538	1	7/8/05
Chlorobenzene	BQL	0.00538	1	7/8/05
Chloroethane	BQL	0.00538	1	7/8/05
Chloroform	BQL	0.00538	1	7/8/05
Chloromethane	BQL	0.00538	1	7/8/05
2-Chlorotoluene	BQL	0.00538	1	7/8/05
4-Chlorotoluene	BQL	0.00538	1	7/8/05
Dibromochloromethane	BQL	0.00538	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00538	1	7/8/05
Dibromomethane	BQL	0.00538	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00538	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00538	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00538	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00538	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00538	1	7/8/05
1,1-Dichloroethane	BQL	0.00538	1	7/8/05
1,1-Dichloroethene	BQL	0.00538	1	7/8/05
1,2-Dichloroethane	BQL	0.00538	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00538	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00538	1	7/8/05
1,2-Dichloropropane	BQL	0.00538	1	7/8/05
1,3-Dichloropropane	BQL	0.00538	1	7/8/05
2,2-Dichloropropane	BQL	0.00538	1	7/8/05
1,1-Dichloropropene	BQL	0.00538	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00538	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00538	1	7/8/05
Dichlorodifluoromethane	BQL	0.00538	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00538	1	7/8/05
Ethylbenzene	BQL	0.00538	1	7/8/05
Hexachlorobutadiene	BQL	0.00538	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS4-15
Client Project ID: North State Milling
Lab Sample ID G161-2047-15C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 11:09
Date Received: 6/30/05
Matrix: Soil
%Solids: 70.3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00538	1	7/8/05
Iodomethane	BQL	0.00538	1	7/8/05
Isopropylbenzene	BQL	0.00538	1	7/8/05
4-Isopropyltoluene	BQL	0.00538	1	7/8/05
Methylene chloride	BQL	0.0215	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00538	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00538	1	7/8/05
Naphthalene	**0.00578**	0.00538	1	7/8/05
n-Propyl benzene	BQL	0.00538	1	7/8/05
Styrene	BQL	0.00538	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00538	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00538	1	7/8/05
Tetrachloroethene	BQL	0.00538	1	7/8/05
Toluene	**0.00546**	0.00538	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00538	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00538	1	7/8/05
Trichloroethene	BQL	0.00538	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00538	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00538	1	7/8/05
Trichlorofluoromethane	BQL	0.00538	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00538	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00538	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00538	1	7/8/05
Vinyl chloride	BQL	0.00538	1	7/8/05
m-,p-Xylene	BQL	0.0108	1	7/8/05
o-Xylene	BQL	0.00538	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0486	97
1,2-Dichloroethane-d4	0.05	0.0527	105
Toluene-d8	0.05	0.0509	102

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS4-15
Client Project ID: North State Milling
Lab Sample ID: G161-2047-15H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:09
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 70.27

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.435	1	7/11/2005
Acenaphthylene	BQL	0.435	1	7/11/2005
Anthracene	BQL	0.435	1	7/11/2005
Benzo[a]anthracene	BQL	0.435	1	7/11/2005
Benzo[a]pyrene	BQL	0.435	1	7/11/2005
Benzo[b]fluoranthene	BQL	0.435	1	7/11/2005
Benzo[g,h,i]perylene	BQL	0.435	1	7/11/2005
Benzo[k]fluoranthene	BQL	0.435	1	7/11/2005
Bis(2-chloroethoxy)methane	BQL	0.435	1	7/11/2005
Bis(2-chloroethyl)ether	BQL	0.435	1	7/11/2005
Bis(2-chloroisopropyl)ether	BQL	0.435	1	7/11/2005
Bis(2-ethylhexyl)phthalate	BQL	0.435	1	7/11/2005
4-bromophenyl phenyl ether	BQL	0.435	1	7/11/2005
Butylbenzylphthalate	BQL	0.435	1	7/11/2005
2-Chloronaphthalene	BQL	0.435	1	7/11/2005
4-Chloroaniline	BQL	2.18	1	7/11/2005
4-Chlorophenyl phenyl ether	BQL	0.435	1	7/11/2005
Chrysene	BQL	0.435	1	7/11/2005
Dibenzo[a,h]anthracene	BQL	0.435	1	7/11/2005
Dibenzofuran	BQL	0.435	1	7/11/2005
Di-n-Butylphthalate	BQL	0.435	1	7/11/2005
1,2-Dichlorobenzene	BQL	0.435	1	7/11/2005
1,3-Dichlorobenzene	BQL	0.435	1	7/11/2005
1,4-Dichlorobenzene	BQL	0.435	1	7/11/2005
3,3'-Dichlorobenzidine	BQL	0.871	1	7/11/2005
Diethylphthalate	BQL	0.435	1	7/11/2005
Dimethylphthalate	BQL	0.435	1	7/11/2005
Di-n-octylphthalate	BQL	0.435	1	7/11/2005
2,4-Dinitrotoluene	BQL	0.435	1	7/11/2005
2,6-Dinitrotoluene	BQL	0.435	1	7/11/2005
Diphenylamine *	BQL	0.435	1	7/11/2005
Fluoranthene	BQL	0.435	1	7/11/2005
Fluorene	BQL	0.435	1	7/11/2005
Hexachlorobenzene	BQL	0.435	1	7/11/2005
Hexachlorobutadiene	BQL	0.435	1	7/11/2005
Hexachlorocyclopentadiene	BQL	0.871	1	7/11/2005
Hexachloroethane	BQL	0.435	1	7/11/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.435	1	7/11/2005
Isophorone	BQL	0.435	1	7/11/2005
2-Methylnaphthalene	**2.92**	0.435	1	7/11/2005
Naphthalene	**0.492**	0.435	1	7/11/2005
2-Nitroaniline	BQL	0.435	1	7/11/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS4-15
Client Project ID: North State Milling
Lab Sample ID: G161-2047-15H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:09
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 70.27

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	2.18	1	7/11/2005
4-Nitroaniline	BQL	2.18	1	7/11/2005
Nitrobenzene	BQL	0.435	1	7/11/2005
N-Nitrosodi-n-propylamine	BQL	0.435	1	7/11/2005
Phenanthrene	**0.901**	0.435	1	7/11/2005
Pyrene	BQL	0.435	1	7/11/2005
1,2,4-Trichlorobenzene	BQL	0.435	1	7/11/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
Nitrobenzene-d5	10	10	100
4-Terphenyl-d14	10	11.7	117

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS4-15
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/05/05
Date Analyzed	07/08/05
Dry Weight	70.3
Dilution Factor	1:1
C_9-C_{18} Aliphatics*	650 (mg/Kg)
C_{19}-C_{36} Aliphatics*	47 (mg/Kg)
C_{11}-C_{22} Aromatics*	200 (mg/Kg)
Aliphatic Surrogate % Recovery	120
Aromatic Surrogate % Recovery	90
Fractionation Surrogate 1 % Recovery	41

Comments:

* = Excludes any surrogates or internal standards

Lab info: G161-2047-15G

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS4-15
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	70
Dilution Factor	1
C_5-C_8 Aliphatics**	< 10 (mg/Kg)
C_9-C_{12} Aliphatics**	23 (mg/Kg)
C_9-C_{10} Aromatics**	27 (mg/Kg)
Surrogate % Recovery - PID	190***
Surrogate % Recovery - FID	120

* = 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.

***= High surrogate recovery due to matrix interference

Lab Info: G161-2047-15D

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS4-20
Client Project ID: North State Milling
Lab Sample ID G161-2047-16C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 11:14
Date Received: 6/30/05
Matrix: Soil
%Solids: 83.9

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0472	1	7/8/05
Benzene	BQL	0.00472	1	7/8/05
Bromobenzene	BQL	0.00472	1	7/8/05
Bromochloromethane	BQL	0.00472	1	7/8/05
Bromodichloromethane	BQL	0.00472	1	7/8/05
Bromoform	BQL	0.00472	1	7/8/05
Bromomethane	BQL	0.00472	1	7/8/05
2-Butanone	BQL	0.0236	1	7/8/05
n-Butylbenzene	BQL	0.00472	1	7/8/05
sec-Butylbenzene	BQL	0.00472	1	7/8/05
tert-Butylbenzene	BQL	0.00472	1	7/8/05
Carbon disulfide	BQL	0.00472	1	7/8/05
Carbon tetrachloride	BQL	0.00472	1	7/8/05
Chlorobenzene	BQL	0.00472	1	7/8/05
Chloroethane	BQL	0.00472	1	7/8/05
Chloroform	BQL	0.00472	1	7/8/05
Chloromethane	BQL	0.00472	1	7/8/05
2-Chlorotoluene	BQL	0.00472	1	7/8/05
4-Chlorotoluene	BQL	0.00472	1	7/8/05
Dibromochloromethane	BQL	0.00472	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00472	1	7/8/05
Dibromomethane	BQL	0.00472	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00472	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00472	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00472	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00472	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00472	1	7/8/05
1,1-Dichloroethane	BQL	0.00472	1	7/8/05
1,1-Dichloroethene	BQL	0.00472	1	7/8/05
1,2-Dichloroethane	BQL	0.00472	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00472	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00472	1	7/8/05
1,2-Dichloropropane	BQL	0.00472	1	7/8/05
1,3-Dichloropropane	BQL	0.00472	1	7/8/05
2,2-Dichloropropane	BQL	0.00472	1	7/8/05
1,1-Dichloropropene	BQL	0.00472	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00472	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00472	1	7/8/05
Dichlorodifluoromethane	BQL	0.00472	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00472	1	7/8/05
Ethylbenzene	BQL	0.00472	1	7/8/05
Hexachlorobutadiene	BQL	0.00472	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS4-20
Client Project ID: North State Milling
Lab Sample ID G161-2047-16C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 11:14
Date Received: 6/30/05
Matrix: Soil
%Solids: 83.9

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00472	1	7/8/05
Iodomethane	BQL	0.00472	1	7/8/05
Isopropylbenzene	BQL	0.00472	1	7/8/05
4-Isopropyltoluene	BQL	0.00472	1	7/8/05
Methylene chloride	BQL	0.0189	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00472	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00472	1	7/8/05
Naphthalene	BQL	0.00472	1	7/8/05
n-Propyl benzene	BQL	0.00472	1	7/8/05
Styrene	BQL	0.00472	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00472	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00472	1	7/8/05
Tetrachloroethene	BQL	0.00472	1	7/8/05
Toluene	BQL	0.00472	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00472	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00472	1	7/8/05
Trichloroethene	BQL	0.00472	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00472	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00472	1	7/8/05
Trichlorofluoromethane	BQL	0.00472	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00472	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00472	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00472	1	7/8/05
Vinyl chloride	BQL	0.00472	1	7/8/05
m-,p-Xylene	BQL	0.00945	1	7/8/05
o-Xylene	BQL	0.00472	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0494	99
1,2-Dichloroethane-d4	0.05	0.0478	96
Toluene-d8	0.05	0.0517	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS4-20
Client Project ID: North State Milling
Lab Sample ID: G161-2047-16H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:14
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 83.89

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.356	1	7/11/2005
Acenaphthylene	BQL	0.356	1	7/11/2005
Anthracene	BQL	0.356	1	7/11/2005
Benzo[a]anthracene	BQL	0.356	1	7/11/2005
Benzo[a]pyrene	BQL	0.356	1	7/11/2005
Benzo[b]fluoranthene	BQL	0.356	1	7/11/2005
Benzo[g,h,i]perylene	BQL	0.356	1	7/11/2005
Benzo[k]fluoranthene	BQL	0.356	1	7/11/2005
Bis(2-chloroethoxy)methane	BQL	0.356	1	7/11/2005
Bis(2-chloroethyl)ether	BQL	0.356	1	7/11/2005
Bis(2-chloroisopropyl)ether	BQL	0.356	1	7/11/2005
Bis(2-ethylhexyl)phthalate	BQL	0.356	1	7/11/2005
4-bromophenyl phenyl ether	BQL	0.356	1	7/11/2005
Butylbenzylphthalate	BQL	0.356	1	7/11/2005
2-Chloronaphthalene	BQL	0.356	1	7/11/2005
4-Chloroaniline	BQL	1.78	1	7/11/2005
4-Chlorophenyl phenyl ether	BQL	0.356	1	7/11/2005
Chrysene	BQL	0.356	1	7/11/2005
Dibenzo[a,h]anthracene	BQL	0.356	1	7/11/2005
Dibenzofuran	BQL	0.356	1	7/11/2005
Di-n-Butylphthalate	BQL	0.356	1	7/11/2005
1,2-Dichlorobenzene	BQL	0.356	1	7/11/2005
1,3-Dichlorobenzene	BQL	0.356	1	7/11/2005
1,4-Dichlorobenzene	BQL	0.356	1	7/11/2005
3,3'-Dichlorobenzidine	BQL	0.713	1	7/11/2005
Diethylphthalate	BQL	0.356	1	7/11/2005
Dimethylphthalate	BQL	0.356	1	7/11/2005
Di-n-octylphthalate	BQL	0.356	1	7/11/2005
2,4-Dinitrotoluene	BQL	0.356	1	7/11/2005
2,6-Dinitrotoluene	BQL	0.356	1	7/11/2005
Diphenylamine *	BQL	0.356	1	7/11/2005
Fluoranthene	BQL	0.356	1	7/11/2005
Fluorene	BQL	0.356	1	7/11/2005
Hexachlorobenzene	BQL	0.356	1	7/11/2005
Hexachlorobutadiene	BQL	0.356	1	7/11/2005
Hexachlorocyclopentadiene	BQL	0.713	1	7/11/2005
Hexachloroethane	BQL	0.356	1	7/11/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.356	1	7/11/2005
Isophorone	BQL	0.356	1	7/11/2005
2-Methylnaphthalene	BQL	0.356	1	7/11/2005
Naphthalene	BQL	0.356	1	7/11/2005
2-Nitroaniline	BQL	0.356	1	7/11/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS4-20
Client Project ID: North State Milling
Lab Sample ID: G161-2047-16H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:14
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 83.89

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.78	1	7/11/2005
4-Nitroaniline	BQL	1.78	1	7/11/2005
Nitrobenzene	BQL	0.356	1	7/11/2005
N-Nitrosodi-n-propylamine	BQL	0.356	1	7/11/2005
Phenanthrene	BQL	0.356	1	7/11/2005
Pyrene	BQL	0.356	1	7/11/2005
1,2,4-Trichlorobenzene	BQL	0.356	1	7/11/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.8	98
Nitrobenzene-d5	10	10.3	103
4-Terphenyl-d14	10	13.5	135

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS4-20
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/05/05
Date Analyzed	07/07/05
Dry Weight	83.9
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-16G

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS4-20
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	84
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	110
Surrogate % Recovery - FID	90

* = 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: G161-2047-16D

Reviewed By:

Results for Volatiles
by GCMS 8260B

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK1070205B
Lab Project ID:

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

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	25.0	1	7/2/05
Benzene	BQL	1.00	1	7/2/05
Bromobenzene	BQL	1.00	1	7/2/05
Bromochloromethane	BQL	1.00	1	7/2/05
Bromodichloromethane	BQL	1.00	1	7/2/05
Bromoform	BQL	1.00	1	7/2/05
Bromomethane	BQL	1.00	1	7/2/05
2-Butanone	BQL	25.0	1	7/2/05
n-Butylbenzene	BQL	1.00	1	7/2/05
sec-Butylbenzene	BQL	1.00	1	7/2/05
tert-Butylbenzene	BQL	1.00	1	7/2/05
Carbon disulfide	BQL	1.00	1	7/2/05
Carbon tetrachloride	BQL	1.00	1	7/2/05
Chlorobenzene	BQL	1.00	1	7/2/05
Chloroethane	BQL	1.00	1	7/2/05
Chloroform	BQL	1.00	1	7/2/05
Chloromethane	BQL	1.00	1	7/2/05
2-Chlorotoluene	BQL	1.00	1	7/2/05
4-Chlorotoluene	BQL	1.00	1	7/2/05
Dibromochloromethane	BQL	1.00	1	7/2/05
1,2-Dibromo-3-chloropropane	BQL	5.00	1	7/2/05
Dibromomethane	BQL	1.00	1	7/2/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/2/05
1,2-Dichlorobenzene	BQL	1.00	1	7/2/05
1,3-Dichlorobenzene	BQL	1.00	1	7/2/05
1,4-Dichlorobenzene	BQL	1.00	1	7/2/05
trans-1,4-Dichloro-2-butene	BQL	5.00	1	7/2/05
1,1-Dichloroethane	BQL	1.00	1	7/2/05
1,1-Dichloroethene	BQL	1.00	1	7/2/05
1,2-Dichloroethane	BQL	1.00	1	7/2/05
cis-1,2-Dichloroethene	BQL	1.00	1	7/2/05
trans-1,2-dichloroethene	BQL	1.00	1	7/2/05
1,2-Dichloropropane	BQL	1.00	1	7/2/05
1,3-Dichloropropane	BQL	1.00	1	7/2/05
2,2-Dichloropropane	BQL	1.00	1	7/2/05
1,1-Dichloropropene	BQL	1.00	1	7/2/05
cis-1,3-Dichloropropene	BQL	1.00	1	7/2/05
trans-1,3-Dichloropropene	BQL	1.00	1	7/2/05
Dichlorodifluoromethane	BQL	5.00	1	7/2/05
Diisopropyl ether (DIPE)	BQL	1.00	1	7/2/05
Ethylbenzene	BQL	1.00	1	7/2/05
Hexachlorobutadiene	BQL	1.00	1	7/2/05

Results for Volatiles
by GCMS 8260B

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK1070205B
Lab Project ID:

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

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
2-Hexanone	BQL	5.00	1	7/2/05
Iodomethane	BQL	1.00	1	7/2/05
Isopropylbenzene	BQL	1.00	1	7/2/05
4-Isopropyltoluene	BQL	1.00	1	7/2/05
Methylene chloride	BQL	5.00	1	7/2/05
4-Methyl-2-pentanone	BQL	5.00	1	7/2/05
Methyl-tert-butyl ether (MTBE)	BQL	1.00	1	7/2/05
Naphthalene	BQL	1.00	1	7/2/05
n-Propyl benzene	BQL	1.00	1	7/2/05
Styrene	BQL	1.00	1	7/2/05
1,1,1,2-Tetrachloroethane	BQL	1.00	1	7/2/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/2/05
Tetrachloroethene	BQL	1.00	1	7/2/05
Toluene	BQL	1.00	1	7/2/05
1,2,3-Trichlorobenzene	BQL	1.00	1	7/2/05
1,2,4-Trichlorobenzene	BQL	1.00	1	7/2/05
Trichloroethene	BQL	1.00	1	7/2/05
1,1,1-Trichloroethane	BQL	1.00	1	7/2/05
1,1,2-Trichloroethane	BQL	1.00	1	7/2/05
Trichlorofluoromethane	BQL	1.00	1	7/2/05
1,2,3-Trichloropropane	BQL	1.00	1	7/2/05
1,2,4-Trimethylbenzene	BQL	1.00	1	7/2/05
1,3,5-Trimethylbenzene	BQL	1.00	1	7/2/05
Vinyl chloride	BQL	1.00	1	7/2/05
m-,p-Xylene	BQL	2.00	1	7/2/05
o-Xylene	BQL	1.00	1	7/2/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	9.91	99
1,2-Dichloroethane-d4	10	11.2	112
Toluene-d8	10	10.1	101

Comments:

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

Reviewed By: _____

Results for MS/MSD
by GC/MS

Client Project ID: Batch QC
Lab Sample ID: G145-1111-4d x500
Batch ID: 1070205

Date Analyzed: 2 Jul 2005 7:33 pm
Matrix: water
Analyzed By: jtf

Compound	Unspiked Sample ug/L	Spike conc. ug/L	Recovered MS %	Recovered MSD %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	BQL	5	95.9	106.6	61.6	135	10.6	30
chlorobenzene	BQL	5	81.1	92.1	77.2	118	12.8	30
1,1-dichloroethene	BQL	5	91.8	102.9	64.4	130	11.4	30
toluene	BQL	5	93.7	103.3	66.4	128	9.8	30
trichloroethene	BQL	5	104.0	115.4	84.9	136	10.4	30

Comments:

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

Flags:

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

Reviewed By: _____

VO43.072303.1

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK1070705B
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected:
Date Received:
Matrix: Soil
%Solids: 100 0

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	50.0	1	7/7/05
Benzene	BQL	5.00	1	7/7/05
Bromobenzene	BQL	5.00	1	7/7/05
Bromochloromethane	BQL	5.00	1	7/7/05
Bromodichloromethane	BQL	5.00	1	7/7/05
Bromoform	BQL	5.00	1	7/7/05
Bromomethane	BQL	5.00	1	7/7/05
2-Butanone	BQL	25.0	1	7/7/05
n-Butylbenzene	BQL	5.00	1	7/7/05
sec-Butylbenzene	BQL	5.00	1	7/7/05
tert-Butylbenzene	BQL	5.00	1	7/7/05
Carbon disulfide	BQL	5.00	1	7/7/05
Carbon tetrachloride	BQL	5.00	1	7/7/05
Chlorobenzene	BQL	5.00	1	7/7/05
Chloroethane	BQL	5.00	1	7/7/05
Chloroform	BQL	5.00	1	7/7/05
Chloromethane	BQL	5.00	1	7/7/05
2-Chlorotoluene	BQL	5.00	1	7/7/05
4-Chlorotoluene	BQL	5.00	1	7/7/05
Dibromochloromethane	BQL	5.00	1	7/7/05
1,2-Dibromo-3-chloropropane	BQL	5.00	1	7/7/05
Dibromomethane	BQL	5.00	1	7/7/05
1,2-Dibromoethane (EDB)	BQL	5.00	1	7/7/05
1,2-Dichlorobenzene	BQL	5.00	1	7/7/05
1,3-Dichlorobenzene	BQL	5.00	1	7/7/05
1,4-Dichlorobenzene	BQL	5.00	1	7/7/05
trans-1,4-Dichloro-2-butene	BQL	5.00	1	7/7/05
1,1-Dichloroethane	BQL	5.00	1	7/7/05
1,1-Dichloroethene	BQL	5.00	1	7/7/05
1,2-Dichloroethane	BQL	5.00	1	7/7/05
cis-1,2-Dichloroethene	BQL	5.00	1	7/7/05
trans-1,2-dichloroethene	BQL	5.00	1	7/7/05
1,2-Dichloropropane	BQL	5.00	1	7/7/05
1,3-Dichloropropane	BQL	5.00	1	7/7/05
2,2-Dichloropropane	BQL	5.00	1	7/7/05
1,1-Dichloropropene	BQL	5.00	1	7/7/05
cis-1,3-Dichloropropene	BQL	5.00	1	7/7/05
trans-1,3-Dichloropropene	BQL	5.00	1	7/7/05
Dichlorodifluoromethane	BQL	5.00	1	7/7/05
Diisopropyl ether (DIPE)	BQL	5.00	1	7/7/05
Ethylbenzene	BQL	5.00	1	7/7/05
Hexachlorobutadiene	BQL	5.00	1	7/7/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK1070705B
Lab Project ID:
Report Basis: Dry Weight

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

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	5.00	1	7/7/05
Iodomethane	BQL	5.00	1	7/7/05
Isopropylbenzene	BQL	5.00	1	7/7/05
4-Isopropyltoluene	BQL	5.00	1	7/7/05
Methylene chloride	BQL	20.0	1	7/7/05
4-Methyl-2-pentanone	BQL	5.00	1	7/7/05
Methyl-tert-butyl ether (MTBE)	BQL	5.00	1	7/7/05
Naphthalene	BQL	5.00	1	7/7/05
n-Propyl benzene	BQL	5.00	1	7/7/05
Styrene	BQL	5.00	1	7/7/05
1,1,1,2-Tetrachloroethane	BQL	5.00	1	7/7/05
1,1,2,2-Tetrachloroethane	BQL	5.00	1	7/7/05
Tetrachloroethene	BQL	5.00	1	7/7/05
Toluene	BQL	5.00	1	7/7/05
1,2,3-Trichlorobenzene	BQL	5.00	1	7/7/05
1,2,4-Trichlorobenzene	BQL	5.00	1	7/7/05
Trichloroethene	BQL	5.00	1	7/7/05
1,1,1-Trichloroethane	BQL	5.00	1	7/7/05
1,1,2-Trichloroethane	BQL	5.00	1	7/7/05
Trichlorofluoromethane	BQL	5.00	1	7/7/05
1,2,3-Trichloropropane	BQL	5.00	1	7/7/05
1,2,4-Trimethylbenzene	BQL	5.00	1	7/7/05
1,3,5-Trimethylbenzene	BQL	5.00	1	7/7/05
Vinyl chloride	BQL	5.00	1	7/7/05
m-,p-Xylene	BQL	10.0	1	7/7/05
o-Xylene	BQL	5.00	1	7/7/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	48.5	97
1,2-Dichloroethane-d4	50	49	98
Toluene-d8	50	49.8	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

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

Client Project ID: Batch QC
Lab Sample ID: G161-2047-14a
Batch ID: 3070705

Date Analyzed: 7 Jul 2005 3:57 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	0.9	100	71.7 *	16.9 *	74.8	133	123.8 *	30
chlorobenzene	BQL	100	57.6 *	4.1 *	66.3	135	173.2 *	30
1,1-dichloroethene	BQL	100	88.8	45.3 *	72.0	135	64.9 *	30
toluene	3.3	100	65.0 *	3.0 *	70.5	138	182.6 *	30
trichloroethene	BQL	100	67.5	8.4 *	60.7	152	155.9 *	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

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK3070705D
Lab Project ID:
Report Basis: Dry Weight

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

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	50.0	1	7/7/05
Benzene	BQL	5.00	1	7/7/05
Bromobenzene	BQL	5.00	1	7/7/05
Bromochloromethane	BQL	5.00	1	7/7/05
Bromodichloromethane	BQL	5.00	1	7/7/05
Bromoform	BQL	5.00	1	7/7/05
Bromomethane	BQL	5.00	1	7/7/05
2-Butanone	BQL	25.0	1	7/7/05
n-Butylbenzene	BQL	5.00	1	7/7/05
sec-Butylbenzene	BQL	5.00	1	7/7/05
tert-Butylbenzene	BQL	5.00	1	7/7/05
Carbon disulfide	BQL	5.00	1	7/7/05
Carbon tetrachloride	BQL	5.00	1	7/7/05
Chlorobenzene	BQL	5.00	1	7/7/05
Chloroethane	BQL	5.00	1	7/7/05
Chloroform	BQL	5.00	1	7/7/05
Chloromethane	BQL	5.00	1	7/7/05
2-Chlorotoluene	BQL	5.00	1	7/7/05
4-Chlorotoluene	BQL	5.00	1	7/7/05
Dibromochloromethane	BQL	5.00	1	7/7/05
1,2-Dibromo-3-chloropropane	BQL	5.00	1	7/7/05
Dibromomethane	BQL	5.00	1	7/7/05
1,2-Dibromoethane (EDB)	BQL	5.00	1	7/7/05
1,2-Dichlorobenzene	BQL	5.00	1	7/7/05
1,3-Dichlorobenzene	BQL	5.00	1	7/7/05
1,4-Dichlorobenzene	BQL	5.00	1	7/7/05
trans-1,4-Dichloro-2-butene	BQL	5.00	1	7/7/05
1,1-Dichloroethane	BQL	5.00	1	7/7/05
1,1-Dichloroethene	BQL	5.00	1	7/7/05
1,2-Dichloroethane	BQL	5.00	1	7/7/05
cis-1,2-Dichloroethene	BQL	5.00	1	7/7/05
trans-1,2-dichloroethene	BQL	5.00	1	7/7/05
1,2-Dichloropropane	BQL	5.00	1	7/7/05
1,3-Dichloropropane	BQL	5.00	1	7/7/05
2,2-Dichloropropane	BQL	5.00	1	7/7/05
1,1-Dichloropropene	BQL	5.00	1	7/7/05
cis-1,3-Dichloropropene	BQL	5.00	1	7/7/05
trans-1,3-Dichloropropene	BQL	5.00	1	7/7/05
Dichlorodifluoromethane	BQL	5.00	1	7/7/05
Diisopropyl ether (DIPE)	BQL	5.00	1	7/7/05
Ethylbenzene	BQL	5.00	1	7/7/05
Hexachlorobutadiene	BQL	5.00	1	7/7/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK3070705D
Lab Project ID:
Report Basis: Dry Weight

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

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	5.00	1	7/7/05
Iodomethane	BQL	5.00	1	7/7/05
Isopropylbenzene	BQL	5.00	1	7/7/05
4-Isopropyltoluene	BQL	5.00	1	7/7/05
Methylene chloride	BQL	20.0	1	7/7/05
4-Methyl-2-pentanone	BQL	5.00	1	7/7/05
Methyl-tert-butyl ether (MTBE)	BQL	5.00	1	7/7/05
Naphthalene	BQL	5.00	1	7/7/05
n-Propyl benzene	BQL	5.00	1	7/7/05
Styrene	BQL	5.00	1	7/7/05
1,1,1,2-Tetrachloroethane	BQL	5.00	1	7/7/05
1,1,2,2-Tetrachloroethane	BQL	5.00	1	7/7/05
Tetrachloroethene	BQL	5.00	1	7/7/05
Toluene	BQL	5.00	1	7/7/05
1,2,3-Trichlorobenzene	BQL	5.00	1	7/7/05
1,2,4-Trichlorobenzene	BQL	5.00	1	7/7/05
Trichloroethene	BQL	5.00	1	7/7/05
1,1,1-Trichloroethane	BQL	5.00	1	7/7/05
1,1,2-Trichloroethane	BQL	5.00	1	7/7/05
Trichlorofluoromethane	BQL	5.00	1	7/7/05
1,2,3-Trichloropropane	BQL	5.00	1	7/7/05
1,2,4-Trimethylbenzene	BQL	5.00	1	7/7/05
1,3,5-Trimethylbenzene	BQL	5.00	1	7/7/05
Vinyl chloride	BQL	5.00	1	7/7/05
m-,p-Xylene	BQL	10.0	1	7/7/05
o-Xylene	BQL	5.00	1	7/7/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	49	98
1,2-Dichloroethane-d4	50	53.1	106
Toluene-d8	50	50.1	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

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

Client Project ID: Batch QC
Lab Sample ID: G510-233-4c
Batch ID: 3070705

Date Analyzed: 8 Jul 2005 3:56 am
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	BQL	100	76.3	75.4	74.8	133	1.1	30
chlorobenzene	BQL	100	44.1 *	47.0 *	66.3	135	6.3	30
1,1-dichloroethene	BQL	100	90.1	88.6	72.0	135	1.7	30
toluene	0.8	100	55.6 *	57.3 *	70.5	138	3.0	30
trichloroethene	BQL	100	62.4	63.9	60.7	152	2.3	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

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 UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	50.0	1	7/8/05
Benzene	BQL	5.00	1	7/8/05
Bromobenzene	BQL	5.00	1	7/8/05
Bromochloromethane	BQL	5.00	1	7/8/05
Bromodichloromethane	BQL	5.00	1	7/8/05
Bromoform	BQL	5.00	1	7/8/05
Bromomethane	BQL	5.00	1	7/8/05
2-Butanone	BQL	25.0	1	7/8/05
n-Butylbenzene	BQL	5.00	1	7/8/05
sec-Butylbenzene	BQL	5.00	1	7/8/05
tert-Butylbenzene	BQL	5.00	1	7/8/05
Carbon disulfide	BQL	5.00	1	7/8/05
Carbon tetrachloride	BQL	5.00	1	7/8/05
Chlorobenzene	BQL	5.00	1	7/8/05
Chloroethane	BQL	5.00	1	7/8/05
Chloroform	BQL	5.00	1	7/8/05
Chloromethane	BQL	5.00	1	7/8/05
2-Chlorotoluene	BQL	5.00	1	7/8/05
4-Chlorotoluene	BQL	5.00	1	7/8/05
Dibromochloromethane	BQL	5.00	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	5.00	1	7/8/05
Dibromomethane	BQL	5.00	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	5.00	1	7/8/05
1,2-Dichlorobenzene	BQL	5.00	1	7/8/05
1,3-Dichlorobenzene	BQL	5.00	1	7/8/05
1,4-Dichlorobenzene	BQL	5.00	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	5.00	1	7/8/05
1,1-Dichloroethane	BQL	5.00	1	7/8/05
1,1-Dichloroethene	BQL	5.00	1	7/8/05
1,2-Dichloroethane	BQL	5.00	1	7/8/05
cis-1,2-Dichloroethene	BQL	5.00	1	7/8/05
trans-1,2-dichloroethene	BQL	5.00	1	7/8/05
1,2-Dichloropropane	BQL	5.00	1	7/8/05
1,3-Dichloropropane	BQL	5.00	1	7/8/05
2,2-Dichloropropane	BQL	5.00	1	7/8/05
1,1-Dichloropropene	BQL	5.00	1	7/8/05
cis-1,3-Dichloropropene	BQL	5.00	1	7/8/05
trans-1,3-Dichloropropene	BQL	5.00	1	7/8/05
Dichlorodifluoromethane	BQL	5.00	1	7/8/05
Diisopropyl ether (DIPE)	BQL	5.00	1	7/8/05
Ethylbenzene	BQL	5.00	1	7/8/05
Hexachlorobutadiene	BQL	5.00	1	7/8/05

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 UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	5.00	1	7/8/05
Iodomethane	BQL	5.00	1	7/8/05
Isopropylbenzene	BQL	5.00	1	7/8/05
4-Isopropyltoluene	BQL	5.00	1	7/8/05
Methylene chloride	BQL	20.0	1	7/8/05
4-Methyl-2-pentanone	BQL	5.00	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	5.00	1	7/8/05
Naphthalene	BQL	5.00	1	7/8/05
n-Propyl benzene	BQL	5.00	1	7/8/05
Styrene	BQL	5.00	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	5.00	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	5.00	1	7/8/05
Tetrachloroethene	BQL	5.00	1	7/8/05
Toluene	BQL	5.00	1	7/8/05
1,2,3-Trichlorobenzene	BQL	5.00	1	7/8/05
1,2,4-Trichlorobenzene	BQL	5.00	1	7/8/05
Trichloroethene	BQL	5.00	1	7/8/05
1,1,1-Trichloroethane	BQL	5.00	1	7/8/05
1,1,2-Trichloroethane	BQL	5.00	1	7/8/05
Trichlorofluoromethane	BQL	5.00	1	7/8/05
1,2,3-Trichloropropane	BQL	5.00	1	7/8/05
1,2,4-Trimethylbenzene	BQL	5.00	1	7/8/05
1,3,5-Trimethylbenzene	BQL	5.00	1	7/8/05
Vinyl chloride	BQL	5.00	1	7/8/05
m-,p-Xylene	BQL	10.0	1	7/8/05
o-Xylene	BQL	5.00	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	49	98
1,2-Dichloroethane-d4	50	50.6	101
Toluene-d8	50	48.4	97

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

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: _____

VO41.072303.1

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK3071205C
Lab Project ID:
Report Basis: Dry Weight

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

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	50.0	1	7/12/05
Benzene	BQL	5.00	1	7/12/05
Bromobenzene	BQL	5.00	1	7/12/05
Bromochloromethane	BQL	5.00	1	7/12/05
Bromodichloromethane	BQL	5.00	1	7/12/05
Bromoform	BQL	5.00	1	7/12/05
Bromomethane	BQL	5.00	1	7/12/05
2-Butanone	BQL	25.0	1	7/12/05
n-Butylbenzene	BQL	5.00	1	7/12/05
sec-Butylbenzene	BQL	5.00	1	7/12/05
tert-Butylbenzene	BQL	5.00	1	7/12/05
Carbon disulfide	BQL	5.00	1	7/12/05
Carbon tetrachloride	BQL	5.00	1	7/12/05
Chlorobenzene	BQL	5.00	1	7/12/05
Chloroethane	BQL	5.00	1	7/12/05
Chloroform	BQL	5.00	1	7/12/05
Chloromethane	BQL	5.00	1	7/12/05
2-Chlorotoluene	BQL	5.00	1	7/12/05
4-Chlorotoluene	BQL	5.00	1	7/12/05
Dibromochloromethane	BQL	5.00	1	7/12/05
1,2-Dibromo-3-chloropropane	BQL	5.00	1	7/12/05
Dibromomethane	BQL	5.00	1	7/12/05
1,2-Dibromoethane (EDB)	BQL	5.00	1	7/12/05
1,2-Dichlorobenzene	BQL	5.00	1	7/12/05
1,3-Dichlorobenzene	BQL	5.00	1	7/12/05
1,4-Dichlorobenzene	BQL	5.00	1	7/12/05
trans-1,4-Dichloro-2-butene	BQL	5.00	1	7/12/05
1,1-Dichloroethane	BQL	5.00	1	7/12/05
1,1-Dichloroethene	BQL	5.00	1	7/12/05
1,2-Dichloroethane	BQL	5.00	1	7/12/05
cis-1,2-Dichloroethene	BQL	5.00	1	7/12/05
trans-1,2-dichloroethene	BQL	5.00	1	7/12/05
1,2-Dichloropropane	BQL	5.00	1	7/12/05
1,3-Dichloropropane	BQL	5.00	1	7/12/05
2,2-Dichloropropane	BQL	5.00	1	7/12/05
1,1-Dichloropropene	BQL	5.00	1	7/12/05
cis-1,3-Dichloropropene	BQL	5.00	1	7/12/05
trans-1,3-Dichloropropene	BQL	5.00	1	7/12/05
Dichlorodifluoromethane	BQL	5.00	1	7/12/05
Diisopropyl ether (DIPE)	BQL	5.00	1	7/12/05
Ethylbenzene	BQL	5.00	1	7/12/05
Hexachlorobutadiene	BQL	5.00	1	7/12/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK3071205C
Lab Project ID:
Report Basis: Dry Weight

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

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	5.00	1	7/12/05
Iodomethane	BQL	5.00	1	7/12/05
Isopropylbenzene	BQL	5.00	1	7/12/05
4-Isopropyltoluene	BQL	5.00	1	7/12/05
Methylene chloride	BQL	20.0	1	7/12/05
4-Methyl-2-pentanone	BQL	5.00	1	7/12/05
Methyl-tert-butyl ether (MTBE)	BQL	5.00	1	7/12/05
Naphthalene	BQL	5.00	1	7/12/05
n-Propyl benzene	BQL	5.00	1	7/12/05
Styrene	BQL	5.00	1	7/12/05
1,1,1,2-Tetrachloroethane	BQL	5.00	1	7/12/05
1,1,2,2-Tetrachloroethane	BQL	5.00	1	7/12/05
Tetrachloroethene	BQL	5.00	1	7/12/05
Toluene	BQL	5.00	1	7/12/05
1,2,3-Trichlorobenzene	BQL	5.00	1	7/12/05
1,2,4-Trichlorobenzene	BQL	5.00	1	7/12/05
Trichloroethene	BQL	5.00	1	7/12/05
1,1,1-Trichloroethane	BQL	5.00	1	7/12/05
1,1,2-Trichloroethane	BQL	5.00	1	7/12/05
Trichlorofluoromethane	BQL	5.00	1	7/12/05
1,2,3-Trichloropropane	BQL	5.00	1	7/12/05
1,2,4-Trimethylbenzene	BQL	5.00	1	7/12/05
1,3,5-Trimethylbenzene	BQL	5.00	1	7/12/05
Vinyl chloride	BQL	5.00	1	7/12/05
m-,p-Xylene	BQL	10.0	1	7/12/05
o-Xylene	BQL	5.00	1	7/12/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	48.8	98
1,2-Dichloroethane-d4	50	56.4	113
Toluene-d8	50	48.2	96

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

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

Client Project ID: Batch QC
Lab Sample ID: g161-2048-7a
Batch ID: 3071205

Date Analyzed: 12 Jul 2005 7:03 pm
Matrix: Soil
Analyzed By: JTF

Compound	Unspiked Sample ug/L	Spike conc. ug/L	Recovered MS %	Recovered MSD %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	1.4	100	99.8	109.9	74.8	133	9.6	30
chlorobenzene	BQL	100	104.9	113.4	66.3	135	7.8	30
1,1-dichloroethene	BQL	100	125.7	140.2 *	72.0	135	10.9	30
toluene	1.3	100	99.0	107.2	70.5	138	8.0	30
trichloroethene	BQL	100	103.4	112.9	60.7	152	8.8	30

Comments:

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

Flags:

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

Reviewed By: [illegible]

VO41.072303.1

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3187
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/7/2005
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: PB3187
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/7/2005
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	10.7	106
Nitrobenzene-d5	10	10.4	104
4-Terphenyl-d14	10	13.7	137

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By:

Results for LCS/LCS Dup
by GC/MS

Client Project ID: Batch QC
Lab Sample ID: LCS1070205b
Batch ID: 1070205

Date Analyzed: 2 Jul 2005 9:27 am
Matrix: water
Analyzed By: jtf

Compound	Unspiked Sample ug/L	Spike conc. ug/L	Recovered LCS %	Recovered LCSdup %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	BQL	5	104.7	107.7	77.4	123	2.8	30
chlorobenzene	BQL	5	94.6	97.3	72.5	128	2.8	30
1,1-dichloroethene	BQL	5	100.5	106.0	71.7	128	5.3	30
toluene	BQL	5	98.5	103.8	75.9	124	5.2	30
trichloroethene	BQL	5	98.1	103.4	77.9	122	5.2	30

Comments:

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

Flags:

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

Reviewed By: _____

VO43.072303.1

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

Client Project ID: Batch QC
Lab Sample ID: LCS3070705b
Batch ID: 3070705

Date Analyzed: 7 Jul 2005 6:33 am
Matrix: Soil
Analyzed By: RNP

Compound	Spike conc. ug/L	Recovered LCS %	Recovered LCSD %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	100	87.9	100.6	77.6	122	13.4	30
chlorobenzene	100	94.7	105.4	75.3	125	10.6	30
1,1-dichloroethene	100	88.6	103.2	78.5	121	15.2	30
toluene	100	91.4	106.1	75.7	124	14.9	30
trichloroethene	100	89.9	103.3	60.8	139	13.9	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

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

Client Project ID: Batch QC
Lab Sample ID: LCS3070705d
Batch ID: 3070705

Date Analyzed: 7 Jul 2005 7:04 pm
Matrix: Soil
Analyzed By: RNP

Compound	Spike conc. ug/L	Recovered LCS %	Recovered LCSD %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	100	105.3	109.0	77.6	122	3.4	30
chlorobenzene	100	108.0	115.2	75.3	125	6.5	30
1,1-dichloroethene	100	111.9	111.5	78.5	121	0.3	30
toluene	100	110 9	114.9	75.7	124	3.5	30
trichloroethene	100	108.4	112.7	60.8	139	3.9	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

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

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

Client Project ID: Batch QC
Lab Sample ID: lcs3071105b
Batch ID: 3071205

Date Analyzed: 12 Jul 2005 9:16 am
Matrix: Soil
Analyzed By: JTF

Compound	Spike conc. ug/L	Recovered LCS %	Recovered LCSD %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	100	101.3	103.7	77.6	122	2.4	30
chlorobenzene	100	104.9	108.6	75.3	125	3.5	30
1,1-dichloroethene	100	104.1	105.3	78.5	121	1.1	30
toluene	100	97.1	101.5	75.7	124	4.5	30
trichloroethene	100	103.5	105.2	60.8	139	1.6	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

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Trip Blank
Client Project ID: North State Milling
Lab Sample ID G161-2047-17A
Lab Project ID: G161-2047
Report Basis: 0.0

Analyzed By: JTF
Date Collected: 06-28-2005 00:00
Date Received: 6/30/05
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0500	1	7/12/05
Benzene	BQL	0.00500	1	7/12/05
Bromobenzene	BQL	0.00500	1	7/12/05
Bromochloromethane	BQL	0.00500	1	7/12/05
Bromodichloromethane	BQL	0.00500	1	7/12/05
Bromoform	BQL	0.00500	1	7/12/05
Bromomethane	BQL	0.00500	1	7/12/05
2-Butanone	BQL	0.0250	1	7/12/05
n-Butylbenzene	BQL	0.00500	1	7/12/05
sec-Butylbenzene	BQL	0.00500	1	7/12/05
tert-Butylbenzene	BQL	0.00500	1	7/12/05
Carbon disulfide	BQL	0.00500	1	7/12/05
Carbon tetrachloride	BQL	0.00500	1	7/12/05
Chlorobenzene	BQL	0.00500	1	7/12/05
Chloroethane	BQL	0.00500	1	7/12/05
Chloroform	BQL	0.00500	1	7/12/05
Chloromethane	BQL	0.00500	1	7/12/05
2-Chlorotoluene	BQL	0.00500	1	7/12/05
4-Chlorotoluene	BQL	0.00500	1	7/12/05
Dibromochloromethane	BQL	0.00500	1	7/12/05
1,2-Dibromo-3-chloropropane	BQL	0.00500	1	7/12/05
Dibromomethane	BQL	0.00500	1	7/12/05
1,2-Dibromoethane (EDB)	BQL	0.00500	1	7/12/05
1,2-Dichlorobenzene	BQL	0.00500	1	7/12/05
1,3-Dichlorobenzene	BQL	0.00500	1	7/12/05
1,4-Dichlorobenzene	BQL	0.00500	1	7/12/05
trans-1,4-Dichloro-2-butene	BQL	0.00500	1	7/12/05
1,1-Dichloroethane	BQL	0.00500	1	7/12/05
1,1-Dichloroethene	BQL	0.00500	1	7/12/05
1,2-Dichloroethane	BQL	0.00500	1	7/12/05
cis-1,2-Dichloroethene	BQL	0.00500	1	7/12/05
trans-1,2-dichloroethene	BQL	0.00500	1	7/12/05
1,2-Dichloropropane	BQL	0.00500	1	7/12/05
1,3-Dichloropropane	BQL	0.00500	1	7/12/05
2,2-Dichloropropane	BQL	0.00500	1	7/12/05
1,1-Dichloropropene	BQL	0.00500	1	7/12/05
cis-1,3-Dichloropropene	BQL	0.00500	1	7/12/05
trans-1,3-Dichloropropene	BQL	0.00500	1	7/12/05
Dichlorodifluoromethane	BQL	0.00500	1	7/12/05
Diisopropyl ether (DIPE)	BQL	0.00500	1	7/12/05
Ethylbenzene	BQL	0.00500	1	7/12/05
Hexachlorobutadiene	BQL	0.00500	1	7/12/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Trip Blank
Client Project ID: North State Milling
Lab Sample ID G161-2047-17A
Lab Project ID: G161-2047
Report Basis: 0.0

Analyzed By: JTF
Date Collected: 06-28-2005 00:00
Date Received: 6/30/05
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00500	1	7/12/05
Iodomethane	BQL	0.00500	1	7/12/05
Isopropylbenzene	BQL	0.00500	1	7/12/05
4-Isopropyltoluene	BQL	0.00500	1	7/12/05
Methylene chloride	BQL	0.0200	1	7/12/05
4-Methyl-2-pentanone	BQL	0.00500	1	7/12/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00500	1	7/12/05
Naphthalene	BQL	0.00500	1	7/12/05
n-Propyl benzene	BQL	0.00500	1	7/12/05
Styrene	BQL	0.00500	1	7/12/05
1,1,1,2-Tetrachloroethane	BQL	0.00500	1	7/12/05
1,1,2,2-Tetrachloroethane	BQL	0.00500	1	7/12/05
Tetrachloroethene	BQL	0.00500	1	7/12/05
Toluene	BQL	0.00500	1	7/12/05
1,2,3-Trichlorobenzene	BQL	0.00500	1	7/12/05
1,2,4-Trichlorobenzene	BQL	0.00500	1	7/12/05
Trichloroethene	BQL	0.00500	1	7/12/05
1,1,1-Trichloroethane	BQL	0.00500	1	7/12/05
1,1,2-Trichloroethane	BQL	0.00500	1	7/12/05
Trichlorofluoromethane	BQL	0.00500	1	7/12/05
1,2,3-Trichloropropane	BQL	0.00500	1	7/12/05
1,2,4-Trimethylbenzene	BQL	0.00500	1	7/12/05
1,3,5-Trimethylbenzene	BQL	0.00500	1	7/12/05
Vinyl chloride	BQL	0.00500	1	7/12/05
m-,p-Xylene	BQL	0.0100	1	7/12/05
o-Xylene	BQL	0.00500	1	7/12/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0486	97
1,2-Dichloroethane-d4	0.05	0.0531	106
Toluene-d8	0.05	0.0484	97

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

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: 07/06/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	21.1
C_{19}-C_{36} Aliphatics	160	3.3
C_{11}-C_{22} Aromatics	340	-2.1

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

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: 07/07/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	1.7
C_{19}-C_{36} Aliphatics	160	-22.2
C_{11}-C_{22} Aromatics	340	-3.7

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: 07/07/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	22 2
C_{19}-C_{36} Aliphatics	160	-0 9
C_{11}-C_{22} Aromatics	340	0 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

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: 07/05/05

Calibration Check

Range	Levels (µg/L.)	(mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	12.8
C_9-C_{12} Aliphatics	500	50	-17.8
C_9-C_{10} Aromatics	500	50	-3.8

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

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: 07/06/05

Calibration Check

Range	Levels (µg/L)	(mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	15.2
C_9-C_{12} Aliphatics	500	50	-8.8
C_9-C_{10} Aromatics	500	50	-4.4

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 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: 07/07/05

Calibration Check

Range	Levels (µg/L)	(mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	17.9
C_9-C_{12} Aliphatics	500	50	-5.1
C_9-C_{10} Aromatics	500	50	0.8

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

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# 47715
Page 1 of 2

Client: ECS, LLC
Address: 6909 International Dr, #103
Address: Greensboro, NC
Quote #: 1842

Project ID: North State Milling
Contact: Jason Ricks
Phone: (336) 856-7150
Fax: 856-7160

Date: 6/29/05
Turnaround: Standard
Job Number: G-9506
P.O. Number:

Report To: jricks@ecslimited.com
Invoice To:

Sample ID	Date	Time	Matrix	Preservatives: None	Preservatives: meth	Preservatives: Na bisulfate		Analyses: 8260/5035	Analyses: 8270 BN	Analyses: EPH	Analyses: VPH							Comments: Please specify any special reporting requirements
NS1 -5	JA 6/28/05	9:45	S	X	X	X		X	X	X	X							City of Greensboro Project
NS1 -10		9:50		X	X	X		X	X	X	X				DO NOT REPORT 8260/5035			
NS1 -12		9:52		X	X	X		X	X	X	X							
NS2-5		10:00		X	X	X		X	X	X	X							
NS2-10		10:05		X	X	X		X	X	X	X							
NS2-10 (D-p)		10:05		X	X	X		X	X	X	X							
NS2-15		10:07		X	X	X		X	X	X	X							
NS2-18		10:10		X	X	X		X	X	X	X							
NS3-5		10:27		X	X	X		X	X	X	X							
NS3-10		10:30		X	X	X		X	X	X	X							

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
[signature]	6/29/05	7:00	[signature]	6/30/05	1020	2.8°C 4.2°C	NC (X) SC ____ Other ____

SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

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

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# 47714

Page 2 of 2

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

Project ID: North State Milling
Contact: Jason Ricks
Phone: (336) 856-7150
Fax: 856-7160

Date: 6/29/05
Turnaround: Standard
Job Number: G-9506
P.O. Number:

Report To: jricks@ecslimited.com
Invoice To:

Sample ID	Date	Time	Matrix	Preservatives: None	Meth	Na Bisulfate	~~HCl~~	Analyses: 8260/5035	8270 BN	EPH	VPH							Comments: Please specify any special reporting requirements
																		G141-2047
NS3-15	6/28/05	10:35	S	X	X	X		X	X	X	X							City of
NS3-18.5		10:40		X	X	X		X	X	X	X							
NS4-5		11:04		X	X	X		X	X	X	X							Greensboro
NS4-10		11:06		X	X	X		X	X	X	X							
NS4-15		11:09		X	X	X		X	X	X	X							Project
NS4-20		11:14		X	X	X		X	X	X	X							
Trip Blank		-	Blank		X	X	~~X~~	X										

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
[illegible]	6/29/05	7:00	[illegible]	6/30/05	1020	2.8C 4.2C	NC (X) SC ____ Other ____

SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

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

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# 47394

Page 1 of 1

5 of 5

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

Project ID: North State Milling Property
Contact: Jason Ricks
Phone: (336)856-7150
Fax: 856-7160

Date: 7/15/05
Turnaround: Standard
Job Number: G-9506
P.O. Number:

Report To: jricks@ecslimited.com
Invoice To:

Sample ID	Date	Time	Matrix	Preservatives: None	Preservatives: Meoh	Preservatives: Na Bis		Analyses: 8260/5035	Analyses: Dry weight								Comments: Please specify any special reporting requirements
RNSP-10	7/15/05	10:40	S	X	X	X		X	X								City of Greensboro Project
																	G161-2074

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
[signature]	7/15/05	2:30	[signature]	7/15/05	1050	5.5°C	NC ⊗ 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: NSMW-1
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-1A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 10:35
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/15/2005
Bromoform	BQL	2.00	1	7/15/2005
Bromomethane	BQL	1.00	1	7/15/2005
Carbon tetrachloride	BQL	1.00	1	7/15/2005
Chlorobenzene	BQL	1.00	1	7/15/2005
Chloroethane	BQL	1.00	1	7/15/2005
Chloroform	BQL	1.00	1	7/15/2005
Chloromethane	BQL	1.00	1	7/15/2005
Dibromochloromethane	BQL	1.00	1	7/15/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/15/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,1-Dichloroethane	BQL	1.00	1	7/15/2005
1,2-Dichloroethane	BQL	1.00	1	7/15/2005
1,1-Dichloroethene	BQL	1.00	1	7/15/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
1,2-Dichloropropane	BQL	1.00	1	7/15/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
Methylene Chloride	BQL	5.00	1	7/15/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/15/2005
Tetrachloroethene	BQL	1.00	1	7/15/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/15/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/15/2005
Trichloroethene	BQL	1.00	1	7/15/2005
Trichlorofluoromethane	BQL	1.00	1	7/15/2005
Vinyl Chloride	BQL	1.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	38.1	95.4

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID:	NSMW-1	Analyzed By:	MJC
Client Project ID:	North State Milling Property	Date Collected:	7/13/2005 10:35
Lab Sample ID:	G161-2070-1A	Date Received:	7/14/2005
Lab Project ID:	G161-2070	Matrix:	Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/15/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/15/2005
Ethylbenzene	BQL	1.00	1	7/15/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/15/2005
Toluene	**1.65**	1.00	1	7/15/2005
m/p-Xylene	BQL	2.00	1	7/15/2005
o-Xylene	BQL	2.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.4	106

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

Reviewed By: RNP

Results for Organics
by EPA 504

Client Sample ID:	NSMW-1	Analyzed By:	CLP
Client Project ID:	North State Milling Property	Date Collected:	7/13/05 10:35
Lab Sample ID:	G161-2070-1O	Date Received:	7/14/05 9:45
Lab Project ID:	G161-2070	Matrix:	Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0 0196	1	7/19/05

Reviewed By: DW

8011_LIMS_1 2

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling Property

Sample Information and Analytical Results	
Sample Identification	NSMW-1
Sample Matrix	Water
Date Collected	07/13/05
Date Received	07/14/05
Date Extracted	07/15/05
Date Analyzed	07/16/05
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	90

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2070-1M

Reviewed By: [illegible]

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling Property

Sample Information and Analytical Results	
Sample Identification	NSMW-1
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	07/13/05
Date Received	07/14/05
Date Extracted	07/15/05
Date Analyzed	07/15/05
Dry Weight	
Dilution Factor	1
C_5-C_8 Aliphatics**	180 (µg/L)
C_9-C_{12} Aliphatics**	< 100 (µg/L)
C_9-C_{10} Aromatics**	< 100 (µg/L)
Surrogate % Recovery - PID	120
Surrogate % Recovery - FID	130

* = 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: g161-2070-1d

Reviewed By: _____

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: NSMW-1
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-1L
Lab Project ID: G161-2070

Analyzed By: MRC
Date Collected: 7/13/2005 10:35
Date Received: 7/14/2005
Date Extracted: 7/15/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	7/16/2005
Acenaphthylene	BQL	10.0	1	7/16/2005
Anthracene	BQL	10.0	1	7/16/2005
Benzo[a]anthracene	BQL	10.0	1	7/16/2005
Benzo[a]pyrene	BQL	10.0	1	7/16/2005
Benzo[b]fluoranthene	BQL	10.0	1	7/16/2005
Benzo[g,h,i]perylene	BQL	10.0	1	7/16/2005
Benzo[k]fluoranthene	BQL	10.0	1	7/16/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	7/16/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	7/16/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	7/16/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	7/16/2005
4-bromophenyl phenyl ether	BQL	10.0	1	7/16/2005
Butylbenzylphthalate	BQL	10.0	1	7/16/2005
2-Chloronaphthalene	BQL	10.0	1	7/16/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	7/16/2005
Chrysene	BQL	10.0	1	7/16/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	7/16/2005
Di-n-Butylphthalate	BQL	10.0	1	7/16/2005
1,2-Dichlorobenzene	BQL	10.0	1	7/16/2005
1,3-Dichlorobenzene	BQL	10.0	1	7/16/2005
1,4-Dichlorobenzene	BQL	10.0	1	7/16/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	7/16/2005
Diethylphthalate	BQL	10.0	1	7/16/2005
Dimethylphthalate	BQL	10.0	1	7/16/2005
Di-n-octylphthalate	BQL	10.0	1	7/16/2005
2,4-Dinitrotoluene	BQL	10.0	1	7/16/2005
2,6-Dinitrotoluene	BQL	10.0	1	7/16/2005
Diphenylamine *	BQL	10.0	1	7/16/2005
Fluoranthene	BQL	10.0	1	7/16/2005
Fluorene	BQL	10.0	1	7/16/2005
Hexachlorobenzene	BQL	10.0	1	7/16/2005
Hexachlorobutadiene	BQL	10.0	1	7/16/2005
Hexachlorocyclopentadiene	BQL	20.0	1	7/16/2005
Hexachloroethane	BQL	10.0	1	7/16/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	7/16/2005
Isophorone	BQL	10.0	1	7/16/2005
Naphthalene	BQL	10.0	1	7/16/2005
Nitrobenzene	BQL	10.0	1	7/16/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	7/16/2005
Phenanthrene	BQL	10.0	1	7/16/2005
Pyrene	BQL	10.0	1	7/16/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: NSMW-1
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-1L
Lab Project ID: G161-2070

Analyzed By: MRC
Date Collected: 7/13/2005 10:35
Date Received: 7/14/2005
Date Extracted: 7/15/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	7/16/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.5	95
Nitrobenzene-d5	10	9.6	96
4-Terphenyl-d14	10	12.7	127

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: NSMW-1
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-1L
Lab Project ID: G161-2070
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 7/13/2005 10:35
Date Received: 7/14/2005
Date Extracted: 7/15/2005
Date Analyzed: 7/16/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know Compound peak (added by lab)	11.01			159
2	Know Solvent peak (added by lab)	3.08			96.5
3	Know Compound peak (added by lab)	11.45			5.31
4	Unknown	7.35			5.08
5					
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: _____

Results for Metals

Client Sample ID:	NSMW-1	Analyzed By:	RML
Client Project ID:	North State Milling Property	Date Collected:	7/13/2005 10:35
Lab Sample ID:	G161-2070-1	Date Received:	7/14/05
Lab Project ID:	G161-2070	Matrix:	WATER
Batch ID:	3246		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	5 00	25	UG/L	6020	7/21/05

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3 3

Results for Volatiles
by GC 601

Client Sample ID: NSMW-2
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-2A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 11:25
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/15/2005
Bromoform	BQL	2.00	1	7/15/2005
Bromomethane	BQL	1.00	1	7/15/2005
Carbon tetrachloride	BQL	1.00	1	7/15/2005
Chlorobenzene	BQL	1.00	1	7/15/2005
Chloroethane	BQL	1.00	1	7/15/2005
Chloroform	BQL	1.00	1	7/15/2005
Chloromethane	BQL	1.00	1	7/15/2005
Dibromochloromethane	BQL	1.00	1	7/15/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/15/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,1-Dichloroethane	BQL	1.00	1	7/15/2005
1,2-Dichloroethane	BQL	1.00	1	7/15/2005
1,1-Dichloroethene	BQL	1.00	1	7/15/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
1,2-Dichloropropane	BQL	1.00	1	7/15/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
Methylene Chloride	BQL	5.00	1	7/15/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/15/2005
Tetrachloroethene	BQL	1.00	1	7/15/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/15/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/15/2005
Trichloroethene	BQL	1.00	1	7/15/2005
Trichlorofluoromethane	BQL	1.00	1	7/15/2005
Vinyl Chloride	BQL	1.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	37.4	93.4

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: NSMW-2
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-2A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 11:25
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/15/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/15/2005
Ethylbenzene	BQL	1.00	1	7/15/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/15/2005
Toluene	BQL	1.00	1	7/15/2005
m/p-Xylene	BQL	2.00	1	7/15/2005
o-Xylene	BQL	2.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.5	101

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

Reviewed By: _____

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: NSMW-2
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-2J
Lab Project ID: G161-2070

Analyzed By: MRC
Date Collected: 7/13/2005 11:25
Date Received: 7/14/2005
Date Extracted: 7/15/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	7/16/2005
Acenaphthylene	BQL	10.0	1	7/16/2005
Anthracene	BQL	10.0	1	7/16/2005
Benzo[a]anthracene	BQL	10.0	1	7/16/2005
Benzo[a]pyrene	BQL	10.0	1	7/16/2005
Benzo[b]fluoranthene	BQL	10.0	1	7/16/2005
Benzo[g,h,i]perylene	BQL	10.0	1	7/16/2005
Benzo[k]fluoranthene	BQL	10.0	1	7/16/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	7/16/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	7/16/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	7/16/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	7/16/2005
4-bromophenyl phenyl ether	BQL	10.0	1	7/16/2005
Butylbenzylphthalate	BQL	10.0	1	7/16/2005
2-Chloronaphthalene	BQL	10.0	1	7/16/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	7/16/2005
Chrysene	BQL	10.0	1	7/16/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	7/16/2005
Di-n-Butylphthalate	BQL	10.0	1	7/16/2005
1,2-Dichlorobenzene	BQL	10.0	1	7/16/2005
1,3-Dichlorobenzene	BQL	10.0	1	7/16/2005
1,4-Dichlorobenzene	BQL	10.0	1	7/16/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	7/16/2005
Diethylphthalate	BQL	10.0	1	7/16/2005
Dimethylphthalate	BQL	10.0	1	7/16/2005
Di-n-octylphthalate	BQL	10.0	1	7/16/2005
2,4-Dinitrotoluene	BQL	10.0	1	7/16/2005
2,6-Dinitrotoluene	BQL	10.0	1	7/16/2005
Diphenylamine *	BQL	10.0	1	7/16/2005
1,4-Dioxane	BQL	5.00	1	7/19/2005
Fluoranthene	BQL	10.0	1	7/16/2005
Fluorene	BQL	10.0	1	7/16/2005
Hexachlorobenzene	BQL	10.0	1	7/16/2005
Hexachlorobutadiene	BQL	10.0	1	7/16/2005
Hexachlorocyclopentadiene	BQL	20.0	1	7/16/2005
Hexachloroethane	BQL	10.0	1	7/16/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	7/16/2005
Isophorone	BQL	10.0	1	7/16/2005
Naphthalene	BQL	10.0	1	7/16/2005
Nitrobenzene	BQL	10.0	1	7/16/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	7/16/2005
Phenanthrene	BQL	10.0	1	7/16/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: NSMW-2
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-2J
Lab Project ID: G161-2070

Analyzed By: MRC
Date Collected: 7/13/2005 11:25
Date Received: 7/14/2005
Date Extracted: 7/15/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Pyrene	BQL	10.0	1	7/16/2005
1,2,4-Trichlorobenzene	BQL	10.0	1	7/16/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.3	83
Nitrobenzene-d5	10	8.3	83
4-Terphenyl-d14	10	12.4	124

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: NSMW-2
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-2J
Lab Project ID: G161-2070
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 7/13/2005 11:25
Date Received: 7/14/2005
Date Extracted: 7/15/2005
Date Analyzed: 7/16/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know Compound peak (added by lab)	11.01			163
2	Know Solvent peak (added by lab)	3.08			100
3					
4					
5					
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: RW

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling Property

Sample Information and Analytical Results	
Sample Identification	NSMW-2
Sample Matrix	Water
Date Collected	07/13/05
Date Received	07/14/05
Date Extracted	07/15/05
Date Analyzed	07/16/05
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	90
Aromatic Surrogate % Recovery	88

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2070-2K

Reviewed By: RPW

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling Property

Sample Information and Analytical Results	
Sample Identification	NSMW-2
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	07/13/05
Date Received	07/14/05
Date Extracted	07/15/05
Date Analyzed	07/15/05
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	120
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: g161-2070-2d

Reviewed By: [illegible]

Results for Metals

Client Sample ID:	NSMW-2	Analyzed By:	PSW
Client Project ID:	North State Milling Property	Date Collected:	7/13/2005 11:25
Lab Sample ID:	G161-2070-2	Date Received:	7/14/05
Lab Project ID:	G161-2070	Matrix:	WATER
Batch ID:	3257 3249		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	BQL	0.0100	1	MG/L	6010B	7/19/05
Barium	**0.301**	0.100	1	MG/L	6010B	7/19/05
Cadmium	BQL	0.0100	1	MG/L	6010B	7/19/05
Chromium	**0.0197**	0.0100	1	MG/L	6010B	7/19/05
Lead	**0.0267**	0.0100	1	MG/L	6010B	7/19/05
Mercury	BQL	0.000250	1	MG/L	7470	7/18/05
Selenium	BQL	0.0200	1	MG/L	6010B	7/19/05
Silver	BQL	0.0100	1	MG/L	6010B	7/19/05

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3.3

Results for Volatiles
by GC 601

Client Sample ID: Dup-3
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-4A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 0:00
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/15/2005
Bromoform	BQL	2.00	1	7/15/2005
Bromomethane	BQL	1.00	1	7/15/2005
Carbon tetrachloride	BQL	1.00	1	7/15/2005
Chlorobenzene	BQL	1.00	1	7/15/2005
Chloroethane	BQL	1.00	1	7/15/2005
Chloroform	BQL	1.00	1	7/15/2005
Chloromethane	BQL	1.00	1	7/15/2005
Dibromochloromethane	BQL	1.00	1	7/15/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/15/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,1-Dichloroethane	BQL	1.00	1	7/15/2005
1,2-Dichloroethane	BQL	1.00	1	7/15/2005
1,1-Dichloroethene	BQL	1.00	1	7/15/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
1,2-Dichloropropane	BQL	1.00	1	7/15/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
Methylene Chloride	BQL	5.00	1	7/15/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/15/2005
Tetrachloroethene	BQL	1.00	1	7/15/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/15/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/15/2005
Trichloroethene	BQL	1.00	1	7/15/2005
Trichlorofluoromethane	BQL	1.00	1	7/15/2005
Vinyl Chloride	BQL	1.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	37.2	93

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

Reviewed By: [signature]

Results for Volatiles
by GC 602

Client Sample ID: Dup-3
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-4A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 0:00
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/15/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/15/2005
Ethylbenzene	BQL	1.00	1	7/15/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/15/2005
Toluene	BQL	1.00	1	7/15/2005
m/p-Xylene	BQL	2.00	1	7/15/2005
o-Xylene	BQL	2.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.5	101

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

Reviewed By: _____

Results for Volatiles
by GC 601

Client Sample ID: NSMW-3
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-3A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 13:20
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/15/2005
Bromoform	BQL	2.00	1	7/15/2005
Bromomethane	BQL	1.00	1	7/15/2005
Carbon tetrachloride	BQL	1.00	1	7/15/2005
Chlorobenzene	BQL	1.00	1	7/15/2005
Chloroethane	BQL	1.00	1	7/15/2005
Chloroform	BQL	1.00	1	7/15/2005
Chloromethane	BQL	1.00	1	7/15/2005
Dibromochloromethane	BQL	1.00	1	7/15/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/15/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,1-Dichloroethane	BQL	1.00	1	7/15/2005
1,2-Dichloroethane	BQL	1.00	1	7/15/2005
1,1-Dichloroethene	BQL	1.00	1	7/15/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
1,2-Dichloropropane	BQL	1.00	1	7/15/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
Methylene Chloride	BQL	5.00	1	7/15/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/15/2005
Tetrachloroethene	BQL	1.00	1	7/15/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/15/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/15/2005
Trichloroethene	BQL	1.00	1	7/15/2005
Trichlorofluoromethane	BQL	1.00	1	7/15/2005
Vinyl Chloride	BQL	1.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	38.3	95.7

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: NSMW-3
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-3A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 13:20
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/15/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/15/2005
Ethylbenzene	BQL	1.00	1	7/15/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/15/2005
Toluene	BQL	1.00	1	7/15/2005
m/p-Xylene	BQL	2.00	1	7/15/2005
o-Xylene	BQL	2.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.5	101

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

Reviewed By: PNP

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: NSMW-3
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-3G
Lab Project ID: G161-2070

Analyzed By: MRC
Date Collected: 7/13/2005 13:20
Date Received: 7/14/2005
Date Extracted: 7/15/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	7/16/2005
Acenaphthylene	BQL	10.0	1	7/16/2005
Anthracene	BQL	10.0	1	7/16/2005
Benzo[a]anthracene	BQL	10.0	1	7/16/2005
Benzo[a]pyrene	BQL	10.0	1	7/16/2005
Benzo[b]fluoranthene	BQL	10.0	1	7/16/2005
Benzo[g,h,i]perylene	BQL	10.0	1	7/16/2005
Benzo[k]fluoranthene	BQL	10.0	1	7/16/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	7/16/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	7/16/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	7/16/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	7/16/2005
4-bromophenyl phenyl ether	BQL	10.0	1	7/16/2005
Butylbenzylphthalate	BQL	10.0	1	7/16/2005
2-Chloronaphthalene	BQL	10.0	1	7/16/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	7/16/2005
Chrysene	BQL	10.0	1	7/16/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	7/16/2005
Di-n-Butylphthalate	BQL	10.0	1	7/16/2005
1,2-Dichlorobenzene	BQL	10.0	1	7/16/2005
1,3-Dichlorobenzene	BQL	10.0	1	7/16/2005
1,4-Dichlorobenzene	BQL	10.0	1	7/16/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	7/16/2005
Diethylphthalate	BQL	10.0	1	7/16/2005
Dimethylphthalate	BQL	10.0	1	7/16/2005
Di-n-octylphthalate	BQL	10.0	1	7/16/2005
2,4-Dinitrotoluene	BQL	10.0	1	7/16/2005
2,6-Dinitrotoluene	BQL	10.0	1	7/16/2005
Diphenylamine *	BQL	10.0	1	7/16/2005
1,4-Dioxane	BQL	5.00	1	7/19/2005
Fluoranthene	BQL	10.0	1	7/16/2005
Fluorene	BQL	10.0	1	7/16/2005
Hexachlorobenzene	BQL	10.0	1	7/16/2005
Hexachlorobutadiene	BQL	10.0	1	7/16/2005
Hexachlorocyclopentadiene	BQL	20.0	1	7/16/2005
Hexachloroethane	BQL	10.0	1	7/16/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	7/16/2005
Isophorone	BQL	10.0	1	7/16/2005
Naphthalene	BQL	10.0	1	7/16/2005
Nitrobenzene	BQL	10.0	1	7/16/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	7/16/2005
Phenanthrene	BQL	10.0	1	7/16/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: NSMW-3
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-3G
Lab Project ID: G161-2070

Analyzed By: MRC
Date Collected: 7/13/2005 13:20
Date Received: 7/14/2005
Date Extracted: 7/15/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Pyrene	BQL	10.0	1	7/16/2005
1,2,4-Trichlorobenzene	BQL	10.0	1	7/16/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.4	94
Nitrobenzene-d5	10	9.4	94
4-Terphenyl-d14	10	13.7	137

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: NSMW-3
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-3G
Lab Project ID: G161-2070
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 7/13/2005 13:20
Date Received: 7/14/2005
Date Extracted: 7/15/2005
Date Analyzed: 7/16/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know Compound peak (added by lab)	11.01			149
2	Know Solvent peak (added by lab)	3.08			113
3	Unknown	10.12			13.2
4					
5					
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: _____

Results for Metals

Client Sample ID:	NSMW-3	Analyzed By:	PSW
Client Project ID:	North State Milling Property	Date Collected:	7/13/2005 13:20
Lab Sample ID:	G161-2070-3	Date Received:	7/14/05
Lab Project ID:	G161-2070	Matrix:	WATER
Batch ID:	3257 3249		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	BQL	0.0100	1	MG/L	6010B	7/19/05
Barium	**0.160**	0.100	1	MG/L	6010B	7/19/05
Cadmium	BQL	0.0100	1	MG/L	6010B	7/19/05
Chromium	**0.0204**	0.0100	1	MG/L	6010B	7/19/05
Lead	**0.0126**	0.0100	1	MG/L	6010B	7/19/05
Mercury	BQL	0.000250	1	MG/L	7470	7/18/05
Selenium	BQL	0.0200	1	MG/L	6010B	7/19/05
Silver	BQL	0.0100	1	MG/L	6010B	7/19/05

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3.3

Results for Volatiles
by GC 601

Client Sample ID: Equip Blank
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-5A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 12:20
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/16/2005
Bromoform	BQL	2.00	1	7/16/2005
Bromomethane	BQL	1.00	1	7/16/2005
Carbon tetrachloride	BQL	1.00	1	7/16/2005
Chlorobenzene	BQL	1.00	1	7/16/2005
Chloroethane	BQL	1.00	1	7/16/2005
Chloroform	BQL	1.00	1	7/16/2005
Chloromethane	BQL	1.00	1	7/16/2005
Dibromochloromethane	BQL	1.00	1	7/16/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/16/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/16/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/16/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/16/2005
1,1-Dichloroethane	BQL	1.00	1	7/16/2005
1,2-Dichloroethane	BQL	1.00	1	7/16/2005
1,1-Dichloroethene	BQL	1.00	1	7/16/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/16/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/16/2005
1,2-Dichloropropane	BQL	1.00	1	7/16/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/16/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/16/2005
Methylene Chloride	BQL	5.00	1	7/16/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/16/2005
Tetrachloroethene	BQL	1.00	1	7/16/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/16/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/16/2005
Trichloroethene	BQL	1.00	1	7/16/2005
Trichlorofluoromethane	BQL	1.00	1	7/16/2005
Vinyl Chloride	BQL	1.00	1	7/16/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	36.3	90.8

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: Equip Blank
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-5A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 12:20
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/16/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/16/2005
Ethylbenzene	BQL	1.00	1	7/16/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/16/2005
Toluene	BQL	1.00	1	7/16/2005
m/p-Xylene	BQL	2.00	1	7/16/2005
o-Xylene	BQL	2.00	1	7/16/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.4	101

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

Reviewed By: RNO

Results for Volatiles
by GC 602

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK3071505B
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	7/15/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/15/2005
Ethylbenzene	BQL	1.00	1	7/15/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/15/2005
Toluene	BQL	1.00	1	7/15/2005
m/p-Xylene	BQL	2.00	1	7/15/2005
o-Xylene	BQL	2.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.0	100

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: VBLK3071505B
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	7/15/2005
Bromoform	BQL	2.00	1	7/15/2005
Bromomethane	BQL	1.00	1	7/15/2005
Carbon tetrachloride	BQL	1.00	1	7/15/2005
Chlorobenzene	BQL	1.00	1	7/15/2005
Chloroethane	BQL	1.00	1	7/15/2005
Chloroform	BQL	1.00	1	7/15/2005
Chloromethane	BQL	1.00	1	7/15/2005
Dibromochloromethane	BQL	1.00	1	7/15/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/15/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,1-Dichloroethane	BQL	1.00	1	7/15/2005
1,2-Dichloroethane	BQL	1.00	1	7/15/2005
1,1-Dichloroethene	BQL	1.00	1	7/15/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
1,2-Dichloropropane	BQL	1.00	1	7/15/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
Methylene Chloride	BQL	5.00	1	7/15/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/15/2005
Tetrachloroethene	BQL	1.00	1	7/15/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/15/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/15/2005
Trichloroethene	BQL	1.00	1	7/15/2005
Trichlorofluoromethane	BQL	1.00	1	7/15/2005
Vinyl Chloride	BQL	1.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.0	100

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

Reviewed By: PNP

Control Limits for MS-MSD

Method : 601 **Spike[ppb] : 10**
Instrument : gc3
Sample : 071505\036f0101.txt
MS : 071505\037f0101.txt
MSD : 071505\038f0101.txt

5

	µg/L			P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Bromodichloromethane	ND	10.7	10.7	107	107	42	172
Bromoform	ND	9.1	9.2	91	92	13	159
Bromomethane	ND	10.3	10.2	103	102	D	144
Carbon tetrachloride	ND	12.0	11.8	120	118	43	143
Chlorobenzene	ND	11.0	11.0	110	110	38	150
Chloroethane	ND	12.0	11.7	120	117	46	137
Chloroform	ND	11.6	11.3	116	113	49	133
Chloromethane	ND	11.8	11.7	118	117	D	193
Dibromochloromethane	ND	10.0	10.1	100	101	24	191
• 1,2-Dibromoethane	ND	9.8	9.9	98	99	D	206
1,2-Dichlorobenzene	ND	10.2	10.4	102	104	D	208
1,3-Dichlorobenzene	ND	10.6	10.7	106	107	7	187
1,4-Dichlorobenzene	ND	10.5	10.7	105	107	42	143
1,1-Dichloroethane	ND	12.1	11.7	121	117	47	132
1,2-Dichloroethane	ND	10.5	10.5	105	105	51	147
1,1-Dichloroethene	ND	12.3	12.0	123	120	28	167
• cis-1,2-Dichloroethene	ND	11.3	10.9	113	109	19	181
trans-1,2-Dichloroethene	ND	12.2	11.8	122	118	38	155
1,2-Dichloropropane	ND	11.2	11.2	112	112	44	156
cis-1,3-Dichloropropene	ND	10.4	10.4	104	104	22	178
trans-1,3-Dichloropropene	ND	9.3	9.4	91	91	22	178
Methylene Chloride	ND	12.2	11.4	122	114	25	162
1,1,2,2-Tertrachloroethane	ND	9.9	9.9	99	99	8	184
Tetrachloroethane	ND	11.2	11.4	112	114	26	162
1,1,1-Trichloroethane	ND	11.7	11.6	117	116	41	138
1,1,2-Trichloroethane	ND	9.8	10.3	98	103	39	136
Trichloroethene	ND	11.8	11.7	118	117	35	146
Trichlorofluromethane	ND	12.1	11.9	121	119	21	156
Vinyl Chloride	ND	11.8	11.6	118	116	28	163

Method: 602 **Spike[ppb] : 10**
Instrument : gc3
Sample : 071505\036r0101.txt
MS : 071505\037r0101.txt
MSD : 071505\038r0101.txt

	µg/L			P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Benzene	ND	10.2	10.2	102	102	39	150
Chlorobenzene	ND	10.1	10.0	101	100	55	135
1,2-Dichlorobenzene	2.2	12.6	12.0	104	98	37	154
1,3-Dichlorobenzene	ND	11.2	10.7	112	107	50	141
1,4-Dichlorobenzene	ND	9.3	9.1	93	91	42	143
• Diisopropyl ether	ND	11.4	11.3	107	106	30	170
Ethylbenzene	36.2	47.6	46.9	114	107	32	160
• MTBE	ND	10.0	10.0	100	100	35	165
Toluene	ND	10.8	10.7	106	106	46	148
• m,p-Xylene	48.8	69.7	68.5	105	99	D	239
• o-Xylene	ND	11.5	11.3	108	104	36	164

Flags :

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

Reviewed by: BJV

Control Limits for QC Check / Laboratory Control Spike

Method : 601 **Spike[ppb] : 10**
Instrument : gc3
Filename : 071505\021f0101.txt

				QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Bromodichloromethane	10.7	107.4	76.0	124.0	107	42	172
Bromoform	9.9	99.4	73.5	126.5	99	13	159
Bromomethane	10.6	106.0	58.5	141.5	106	D	144
Carbon tetrachloride	11.4	114.0	68.5	131.5	114	43	143
Chlorobenzene	10.6	105.7	72.0	128.0	106	38	150
Chloroethane	11.0	110.0	77.0	123.0	110	46	137
Chloroform	11.1	111.5	76.0	125.0	111	49	133
Chloromethane	10.9	109.3	59.5	140.5	109	D	193
Dibromochloromethane	10.5	105.4	65.5	134.5	105	24	191
• 1,2-Dibromoethane	10.4	104.2	13.6	186.4	104	D	206
1,2-Dichlorobenzene	10.2	101.5	70.0	130.0	102	D	208
1,3-Dichlorobenzene	10.1	101.2	49.5	150.5	101	7	187
1,4-Dichlorobenzene	10.2	102.3	69.5	130.5	102	42	143
1,1-Dichloroethane	11.2	112.2	84.0	116.0	112	47	132
1,2-Dichloroethane	10.8	108.2	71.5	128.5	108	51	147
1,1-Dichloroethene	11.2	111.5	63.0	137.0	112	28	167
• cis-1,2-Dichloroethene	10.8	108.1	34.4	180.6	108	19	181
trans-1,2-Dichloroethene	11.2	111.9	64.0	136.0	112	38	155
1,2-Dichloropropane	10.9	109.4	74.0	126.0	109	44	156
cis-1,3-Dichloropropene	10.7	106.5	64.0	136.0	107	22	178
trans-1,3-Dichloropropene	10.0	100.4	64.0	136.0	100	22	178
Methylene Chloride	11.2	112.1	77.5	122.5	112	25	162
1,1,2,2-Tertrachloroethane	10.2	101.8	49.0	151.0	102	8	184
Tetrachloroethane	11.1	111.1	70.0	130.0	111	26	162
1,1,1-Trichloroethane	11.1	110.9	71.0	129.0	111	41	138
1,1,2-Trichloroethane	10.4	104.4	78.5	121.5	104	39	136
Trichloroethene	11.3	113.1	77.0	123.0	113	35	146
Trichlorofluromethane	11.1	110.5	66.5	133.5	111	21	158
Vinyl Chloride	10.8	107.6	68.5	131.5	108	28	163

Method: 602 **Spike[ppb] : 10**
Instrument : gc3
Filename : 071505\021r0101.txt

				QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Benzene	10.3	102.7	77.0	123.0	103	39	150
Chlorobenzene	10.0	100.4	80.5	119.5	100	55	135
1,2-Dichlorobenzene	9.3	93.4	68.0	132.0	93	37	154
1,3-Dichlorobenzene	9.6	96.3	72.5	127.5	96	50	141
1,4-Dichlorobenzene	9.7	97.0	69.5	130.5	97	42	143
• Diisopropyl ether	9.9	98.9	43.1	156.9	99	30	170
Ethylbenzene	10.1	101.3	63.0	137.0	101	32	160
• MTBE	10.2	102.2	46.8	153.2	102	35	165
Toluene	10.2	101.8	77.5	127.0	102	46	148
• m,p-Xylene	20.4	102.0	11.2	188.8	102	D	239
• o-Xylene	10.2	101.6	47.6	152.4	102	36	164

Flags :

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

Reviewed by: RW

Results for Organics
by EPA 504

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3264
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 0197	1	7/19/05

Reviewed By: _____

8011_LIMS_1 2

QC Results for EDB
by EPA 8011/504

Client Sample ID: Batch QC
Lab Sample ID: G349-108-4E
Batch ID: 3264

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	< 1	0 0562	0 191	94 3	0 0562	0 199	108	13.5

LCS

Analyte		Spiked ug/L	Result ug/L	REC %	Limits Lower	Limits Upper
EDB		0 0568343	0 0739	130	70	130

Comments:

= Outside Control Limits

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3238
Lab Project ID:

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/15/2005
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	7/15/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.2	102
Nitrobenzene-d5	10	10.2	102
4-Terphenyl-d14	10	12.8	128

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: PB3238
Lab Project ID:
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/15/2005
Date Analyzed: 7/16/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know Solvent peak (added by lab)	3.09			137
2	Know Compound peak (added by lab)	11.01			134
3					
4					
5					
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: _____

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-3238-MS/MSD/LCS
Lab Project ID:
Matrix: WATER
Prep Method: 3520

Date Collected:
Date Received:
Date Extracted: 07/15/05
Date Analyzed: 07/16/05
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	214	241	112	214	227	106.0	5.78	30	62.0-119
4-Chloro-3-methylphenol	BQL	214	200	93.1	214	191	88.9	4.62	30	67.0-98.0
2-Chlorophenol	BQL	214	177	82.3	214	182	85.0	3.23	30	53.0-111
1,4-Dichlorobenzene	BQL	214	98.5	45.9	214	103	48.2	4.89	30	29.0-86.0
2,4-Dinitrotoluene	BQL	214	242	113*	214	225	105*	6.98	30	63.0-103
N-Nitrosodi-n-propylamine	BQL	214	237	110*	214	231	108*	2.29	30	67.0-107
4-Nitrophenol	BQL	214	176	82.1	214	158	73.9	10.5	30	49.0-146
Pentachlorophenol	BQL	214	166	77.5	214	159	74.0	4.62	30	43.0-106
Phenol	BQL	214	202	94.4	214	200	93.1	1.39	30	61.0-100
Pyrene	BQL	214	270	126*	214	248	115.0	8.46	30	41.0-123
1,2,4-Trichlorobenzene	BQL	214	165	77.0	214	166	77.3	0.389	30	41.0-96.0

	Spiked Amount (µg/L)	LCS Conc. (µg/L)	LCS Spike %	QC Limits % Rec.
Acenaphthylene	100	120	114	66.1-116
4-Chloro-3-methylphenol	100	97.1	97.1	64.3-97.6
2-Chlorophenol	100	89.8	89.8	56.9-93.4
1,4-Dichlorobenzene	100	47.7	47.7	20.6-82.8
2,4-Dinitrotoluene	100	117	105	63.7-106
N-Nitrosodi-n-propylamine	100	120	102	62.6-108
4-Nitrophenol	100	75.9	75.9	53.7-125
Pentachlorophenol	100	73.6	73.6	37.0-102
Phenol	100	95.7	95.7	57.4-99.5
Pyrene	100	127	122	44.1-124
1,2,4-Trichlorobenzene	100	80.8	80.8	37.6-97.9

Comments:

Concentrations reflect the spiked sample amounts.

Flags:

* = Out of limits.
NA = Not applicable.

Reviewed By: RNP

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	PSW
Client Project ID:		Date Collected:	
Lab Sample ID:	pb3249	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	3249		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Mercury	BQL	0.000250	1	MG/L	7470	7/18/05

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3 3

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	PSW
Client Project ID:		Date Collected:	
Lab Sample ID:	pb3257	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	3257		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	BQL	0.0100	1	MG/L	6010B	7/19/05
Barium	BQL	0.100	1	MG/L	6010B	7/19/05
Cadmium	BQL	0.0100	1	MG/L	6010B	7/19/05
Chromium	BQL	0.0100	1	MG/L	6010B	7/19/05
Lead	BQL	0.0100	1	MG/L	6010B	7/21/05
Selenium	BQL	0.0200	1	MG/L	6010B	7/21/05
Silver	BQL	0.0100	1	MG/L	6010B	7/19/05

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3.3

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	RML
Client Project ID:		Date Collected:	
Lab Sample ID:	pb3246	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	3246		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	5.00	25	UG/L	6020	7/21/05

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: RM
MET_LIMS_3 3

MS/MSD Results for METALS

Lab ID: G161-2070-2
MS Lab ID: G161-2070-2
MSD Lab ID: G161-2070-2
ICP Batch: 3257
HG Batch: 3249
Other:

Analyzed By: PSW
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
Arsenic	BQL	0.400	0.393	98.3	0.400	0.397	99.3	75	125	1.01	20
Barium	0.301	2.00	2.14	92.0	2.00	2.17	93.5	75	125	1.39	20
Cadmium	BQL	0.400	0.371	92.8	0.400	0.374	93.5	75	125	0.805	20
Chromium	0.0197	0.400	0.393	93.3	0.400	0.401	95.3	75	125	2.02	20
Lead	0.0267	0.400	0.407	95.1	0.400	0.410	95.8	75	125	0.734	20
Mercury	BQL	0.00625	0.00576	92.2	0.00625	0.00562	89.9	75	125	2.46	20
Selenium	BQL	0.400	0.377	94.3	0.400	0.391	97.7	75	125	3.65	20
Silver	BQL	0.400	0.361	90.2	0.400	0.368	92.0	75	125	1.92	20

Comments

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

Reviewed By: PSW

MS/MSD Results for METALS

Lab ID: G460-26-3
MS Lab ID: G460-26-3
MSD Lab ID: G460-26-3
ICP Batch: 3246
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	BQL	0 400	0.357	89.3	0.400	0.365	91.3	75	125	2.2161	20

Comments

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

Reviewed By: RMD

METALS Results for LCS/LCD

ICP Batch:
HG Batch: 3249
Other:

Matrix: WATER
Units: MG/L

Analyte	TRUE Value	LCS	LCS %REC		LCD	LCD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Mercury	0.00625	0.00629	101		0.00631	101		80	120	0.317		20

Reviewed By: _____

METALS Results for LCS/LCD

ICP Batch: 3257
HG Batch:
Other:

Matrix: WATER
Units: MG/L

Analyte	TRUE Value	LCS	LCS %REC	LCD	LCD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Arsenic	0.400	0.405	101	0.408	102	80	120	0.738	20
Barium	2.00	1.91	95.5	1.93	96.5	80	120	1.04	20
Cadmium	0.400	0.382	95.5	0.385	96.2	80	120	0.782	20
Chromium	0.400	0.389	97.3	0.392	98.0	80	120	0.768	20
Lead	0.400	0.395	98.7	0.401	100	80	120	1.51	20
Selenium	0.400	0.387	96.8	0.380	95.0	80	120	1.83	20
Silver	0.400	0.358	89.5	0.365	91.3	80	120	1.94	20

Reviewed By: _____

METALS Results for LCS/LCD

ICP Batch: 3246
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	0.347	86.7		0.342	85.5		80	120	1.45		20

Reviewed By: _____

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3238
Lab Project ID:

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/15/2005
Matrix: WATER

Compound	Result ug/L.	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	7/15/2005
Acenaphthylene	BQL	10.0	1	7/15/2005
Anthracene	BQL	10.0	1	7/15/2005
Benzo[a]anthracene	BQL	10.0	1	7/15/2005
Benzo[a]pyrene	BQL	10.0	1	7/15/2005
Benzo[b]fluoranthene	BQL	10.0	1	7/15/2005
Benzo[g,h,i]perylene	BQL	10.0	1	7/15/2005
Benzo[k]fluoranthene	BQL	10.0	1	7/15/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	7/15/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	7/15/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	7/15/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	7/15/2005
4-bromophenyl phenyl ether	BQL	10.0	1	7/15/2005
Butylbenzylphthalate	BQL	10.0	1	7/15/2005
2-Chloronaphthalene	BQL	10.0	1	7/15/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	7/15/2005
Chrysene	BQL	10.0	1	7/15/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	7/15/2005
Di-n-Butylphthalate	BQL	10.0	1	7/15/2005
1,2-Dichlorobenzene	BQL	10.0	1	7/15/2005
1,3-Dichlorobenzene	BQL	10.0	1	7/15/2005
1,4-Dichlorobenzene	BQL	10.0	1	7/15/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	7/15/2005
Diethylphthalate	BQL	10.0	1	7/15/2005
Dimethylphthalate	BQL	10.0	1	7/15/2005
Di-n-octylphthalate	BQL	10.0	1	7/15/2005
2,4-Dinitrotoluene	BQL	10.0	1	7/15/2005
2,6-Dinitrotoluene	BQL	10.0	1	7/15/2005
Diphenylamine *	BQL	10.0	1	7/15/2005
Fluoranthene	BQL	10.0	1	7/15/2005
Fluorene	BQL	10.0	1	7/15/2005
Hexachlorobenzene	BQL	10.0	1	7/15/2005
Hexachlorobutadiene	BQL	10.0	1	7/15/2005
Hexachlorocyclopentadiene	BQL	20.0	1	7/15/2005
Hexachloroethane	BQL	10.0	1	7/15/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	7/15/2005
Isophorone	BQL	10.0	1	7/15/2005
Naphthalene	BQL	10.0	1	7/15/2005
Nitrobenzene	BQL	10.0	1	7/15/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	7/15/2005
Phenanthrene	BQL	10.0	1	7/15/2005
Pyrene	BQL	10.0	1	7/15/2005

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: 07/15/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	16.4
C_{19}-C_{36} Aliphatics	160	9.1
C_{11}-C_{22} Aromatics	340	7.7

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 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: 07/15/05

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	4.0
C_9-C_{12} Aliphatics	500	50	4.8
C_9-C_{10} Aromatics	500	50	-3.2

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# 47805

G161-2070

Page 1 of 1

Client: Jason Ricks
Project ID: North State Milling Property
Date: 7/13/05
Report To: jricks@ecsunited.com
Address: 6909 International Dr., 103
Contact: Jason Ricks
Turnaround: Standard
Address: Greensboro, NC 27409
Phone: (336) 856-7150
Job Number: G-9506
Quote #: 1842
Fax: 856-7160
P.O. Number:
Invoice To:

Sample ID	Date	Time	Matrix	Preservatives: None	HCL	HNO_3		Analyses: 601/602	SDWA 1-EDB	EPH	VPH	3030C Lead	625 BN+10	Total RCRA metals	625 BN+10 TICS +1,4 Dioxane		
NSMW-1	7/13/05	10:35	GW	X	X	X		X	X	X	X	X	X				
NSMW-2	↓	11:25	↓	X	X	X		X		X	X			X	X		
NSMW-3		1:20		X	X	X		X						X	X		
Dup-3		—			X			X									
~~NSMW-6~~ dr																	
Equip Blank	↓	12:20	↓		X			X									

Comments: Please specify any special reporting requirements

City of Greensboro Project

X NSMW-1 Limited Sample

Relinquished By	Date	Time	Received By	Date	Time	Temperature
[signature]	7/13/05	3:30	[signature]	7/14/05	0945	1.6°C

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

SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

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

NORTH STATE MILLING 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: G161-2047

Client Project: North State Milling

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.

7/13/05

Laboratory Director Date
J. Patrick Weaver

CASE NARRATIVE

Date: September 7, 2005

ECS Project ID: North State Milling
Paradigm Analytical ID: G161-2047

Sixteen soil samples were received at the laboratory June 30 for analysis by 8260, 8270, EPH and VPH. The samples were received in good condition, within temperature and holding time limits.

All extractions and analyses were completed within holding time. The following discussion details the quality control results by each parameter.

8260

All surrogate spikes recovered within limits for each sample.

Batch 3070705b had multiple recovery failures in the MS/MSD pair. The batch was validated with the passing LCS results.

Batch 3070705d had some MS/MSD failures. The batch was validated with the passing LCS results.

Batch 3071205b had one recovery failure in the MS/MSD pair. The batch was validated with the passing LCS results.

8270

All surrogate spikes recovered within limits for each sample.

The soils were all extracted in one batch.

The blank was free of target compounds.

All method required spike compounds met recovery limits in the MS/MSD and LCS.

VPH

Samples NS1-5, NS2-5, NS4-5, and NS4-15 all had surrogate recovery failures due to matrix interferences. All other samples passed surrogate recovery limits.

Both blanks were clean.

The samples were analyzed in two batches. The batch was validated with the passing LCS results.

The MS/MSD for batch 4070705a failed low. The batch was validated with the passing LCS results.

EPH

All surrogate recoveries were within acceptance limits.

The soils were extracted n two batches.

Both batch blanks were clean..

EPH batch 3167 MS recovered above passing limit. The batch was validated with the passing LCS.

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# 47715
Page 1 of 2

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

Project ID: North State Milling
Contact: Jason Ricks
Phone: (336) 856-7150
Fax: 856-7160

Date: 6/29/05
Turnaround: Standard
Job Number: G-9506
P.O. Number:

Report To: jricks@ecslimited.com
Invoice To:

Sample ID	Date	Time	Matrix	None	Meth	Na bisulfate	8260/5035	8270 BN	EPH	VPH						Comments: Please specify any special reporting requirements
NS1 -5	JR 6/28/05	9:45	S	X	X	X	X	X	X	X						City of Greensboro Project
NS1 -10		9:50		X	X	X	X	X	X	X			Do Not Report 8260/5035			
NS1 -12		9:52		X	X	X	X	X	X	X						
NS2-5		10:00		X	X	X	X	X	X	X						
NS2-10		10:05		X	X	X	X	X	X	X						
NS2-10 (D.P)		10:05		X	X	X	X	X	X	X						
NS2-15		10:07		X	X	X	X	X	X	X						
NS2-18		10:10		X	X	X	X	X	X	X						
NS3 - 5		10:27		X	X	X	X	X	X	X						
NS3 - 10		10:30		X	X	X	X	X	X	X						

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
[signature]	6/29/05	7:00	[signature]	6/30/05	1020	2.8°C 4.2°C	NC (X) SC ____ Other ____

SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.

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

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# 47714

Page 2 of 2

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

Project ID: North State Milling
Contact: Jason Ricks
Phone: (336) 856-7150
Fax: 856-7160

Date: 6/29/05
Turnaround: Standard
Job Number: G-9506
P.O. Number:

Report To: jricks@ecslimited.com
Invoice To:

Sample ID	Date	Time	Matrix	Preservatives: None	Meth	Na Bisulfate	~~HCl~~	Analyses: 8260/5035	8270 BN	EPH	VPH							Comments: Please specify any special reporting requirements
NS3-15	6/28/05	10:35	S	X	X	X		X	X	X	X							G161-2047
NS3-18.5		10:40		X	X	X		X	X	X	X							City of
NS4-5		11:04		X	X	X		X	X	X	X							Greensboro
NS4-10		11:06		X	X	X		X	X	X	X							
NS4-15		11:09		X	X	X		X	X	X	X							Project
NS4-20		11:14		X	X	X		X	X	X	X							
Trip Blank		-	Blank		X	X	~~X~~	X										

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
Jason Ricks	6/29/05	7:00	[illegible]	6/30/05	1020	2.8°C 4.2°C	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 8260B/5035

Client Sample ID: NS1-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-1D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 9:45
Date Received: 6/30/05
Matrix: Soil
%Solids: 96 1

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	1 86	100	7/2/05
Benzene	BQL	0.0744	100	7/2/05
Bromobenzene	BQL	0.0744	100	7/2/05
Bromochloromethane	BQL	0.0744	100	7/2/05
Bromodichloromethane	BQL	0.0744	100	7/2/05
Bromoform	BQL	0.0744	100	7/2/05
Bromomethane	BQL	0.0744	100	7/2/05
2-Butanone	BQL	1 86	100	7/2/05
n-Butylbenzene	**0.278**	0.0744	100	7/2/05
sec-Butylbenzene	**0.189**	0.0744	100	7/2/05
tert-Butylbenzene	**0.0982**	0.0744	100	7/2/05
Carbon disulfide	BQL	0.0744	100	7/2/05
Carbon tetrachloride	BQL	0.0744	100	7/2/05
Chlorobenzene	BQL	0.0744	100	7/2/05
Chloroethane	BQL	0.0744	100	7/2/05
Chloroform	BQL	0.0744	100	7/2/05
Chloromethane	BQL	0.0744	100	7/2/05
2-Chlorotoluene	BQL	0.0744	100	7/2/05
4-Chlorotoluene	BQL	0.0744	100	7/2/05
Dibromochloromethane	BQL	0.0744	100	7/2/05
1,2-Dibromo-3-chloropropane	BQL	0.372	100	7/2/05
Dibromomethane	BQL	0.0744	100	7/2/05
1,2-Dibromoethane (EDB)	BQL	0.0744	100	7/2/05
1,2-Dichlorobenzene	BQL	0.0744	100	7/2/05
1,3-Dichlorobenzene	BQL	0.0744	100	7/2/05
1,4-Dichlorobenzene	BQL	0.0744	100	7/2/05
trans-1,4-Dichloro-2-butene	BQL	0.372	100	7/2/05
1,1-Dichloroethane	BQL	0.0744	100	7/2/05
1,1-Dichloroethene	BQL	0.0744	100	7/2/05
1,2-Dichloroethane	BQL	0.0744	100	7/2/05
cis-1,2-Dichloroethene	BQL	0.0744	100	7/2/05
trans-1,2-dichloroethene	BQL	0.0744	100	7/2/05
1,2-Dichloropropane	BQL	0.0744	100	7/2/05
1,3-Dichloropropane	BQL	0.0744	100	7/2/05
2,2-Dichloropropane	BQL	0.0744	100	7/2/05
1,1-Dichloropropene	BQL	0.0744	100	7/2/05
cis-1,3-Dichloropropene	BQL	0.0744	100	7/2/05
trans-1,3-Dichloropropene	BQL	0.0744	100	7/2/05
Dichlorodifluoromethane	BQL	0.372	100	7/2/05
Diisopropyl ether (DIPE)	BQL	0.0744	100	7/2/05
Ethylbenzene	**0.106**	0.0744	100	7/2/05
Hexachlorobutadiene	BQL	0.0744	100	7/2/05

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: NS1-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-1D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 9:45
Date Received: 6/30/05
Matrix: Soil
%Solids: 96.1

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.372	100	7/2/05
Iodomethane	BQL	0.0744	100	7/2/05
Isopropylbenzene	**0.479**	0.0744	100	7/2/05
4-Isopropyltoluene	**0.100**	0.0744	100	7/2/05
Methylene chloride	BQL	0.372	100	7/2/05
4-Methyl-2-pentanone	BQL	0.372	100	7/2/05
Methyl-tert-butyl ether (MTBE)	BQL	0.0744	100	7/2/05
Naphthalene	**2.30**	0.0744	100	7/2/05
n-Propyl benzene	**0.879**	0.0744	100	7/2/05
Styrene	BQL	0.0744	100	7/2/05
1,1,1,2-Tetrachloroethane	BQL	0.0744	100	7/2/05
1,1,2,2-Tetrachloroethane	BQL	0.0744	100	7/2/05
Tetrachloroethene	BQL	0.0744	100	7/2/05
Toluene	**0.163**	0.0744	100	7/2/05
1,2,3-Trichlorobenzene	BQL	0.0744	100	7/2/05
1,2,4-Trichlorobenzene	BQL	0.0744	100	7/2/05
Trichloroethene	BQL	0.0744	100	7/2/05
1,1,1-Trichloroethane	BQL	0.0744	100	7/2/05
1,1,2-Trichloroethane	BQL	0.0744	100	7/2/05
Trichlorofluoromethane	BQL	0.0744	100	7/2/05
1,2,3-Trichloropropane	BQL	0.0744	100	7/2/05
1,2,4-Trimethylbenzene	**0.281**	0.0744	100	7/2/05
1,3,5-Trimethylbenzene	**0.0878**	0.0744	100	7/2/05
Vinyl chloride	BQL	0.0744	100	7/2/05
m-,p-Xylene	**0.686**	0.149	100	7/2/05
o-Xylene	**0.123**	0.0744	100	7/2/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.01	0.00893	89
1,2-Dichloroethane-d4	0.01	0.0113	113
Toluene-d8	0.01	0.0112	112

Comments:

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

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS1-12
Client Project ID: North State Milling
Lab Sample ID G161-2047-3B
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 09:52
Date Received: 6/30/05
Matrix: Soil
%Solids: 91.3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0397	1	7/8/05
Benzene	BQL	0.00397	1	7/8/05
Bromobenzene	BQL	0.00397	1	7/8/05
Bromochloromethane	BQL	0.00397	1	7/8/05
Bromodichloromethane	BQL	0.00397	1	7/8/05
Bromoform	BQL	0.00397	1	7/8/05
Bromomethane	BQL	0.00397	1	7/8/05
2-Butanone	BQL	0.0198	1	7/8/05
n-Butylbenzene	BQL	0.00397	1	7/8/05
sec-Butylbenzene	BQL	0.00397	1	7/8/05
tert-Butylbenzene	BQL	0.00397	1	7/8/05
Carbon disulfide	BQL	0.00397	1	7/8/05
Carbon tetrachloride	BQL	0.00397	1	7/8/05
Chlorobenzene	BQL	0.00397	1	7/8/05
Chloroethane	BQL	0.00397	1	7/8/05
Chloroform	BQL	0.00397	1	7/8/05
Chloromethane	BQL	0.00397	1	7/8/05
2-Chlorotoluene	BQL	0.00397	1	7/8/05
4-Chlorotoluene	BQL	0.00397	1	7/8/05
Dibromochloromethane	BQL	0.00397	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00397	1	7/8/05
Dibromomethane	BQL	0.00397	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00397	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00397	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00397	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00397	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00397	1	7/8/05
1,1-Dichloroethane	BQL	0.00397	1	7/8/05
1,1-Dichloroethene	BQL	0.00397	1	7/8/05
1,2-Dichloroethane	BQL	0.00397	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00397	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00397	1	7/8/05
1,2-Dichloropropane	BQL	0.00397	1	7/8/05
1,3-Dichloropropane	BQL	0.00397	1	7/8/05
2,2-Dichloropropane	BQL	0.00397	1	7/8/05
1,1-Dichloropropene	BQL	0.00397	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00397	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00397	1	7/8/05
Dichlorodifluoromethane	BQL	0.00397	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00397	1	7/8/05
Ethylbenzene	BQL	0.00397	1	7/8/05
Hexachlorobutadiene	BQL	0.00397	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS1-12
Client Project ID: North State Milling
Lab Sample ID G161-2047-3B
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 09:52
Date Received: 6/30/05
Matrix: Soil
%Solids: 91.3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00397	1	7/8/05
Iodomethane	BQL	0.00397	1	7/8/05
Isopropylbenzene	BQL	0.00397	1	7/8/05
4-Isopropyltoluene	BQL	0.00397	1	7/8/05
Methylene chloride	BQL	0.0159	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00397	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00397	1	7/8/05
Naphthalene	BQL	0.00397	1	7/8/05
n-Propyl benzene	BQL	0.00397	1	7/8/05
Styrene	BQL	0.00397	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00397	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00397	1	7/8/05
Tetrachloroethene	BQL	0.00397	1	7/8/05
Toluene	BQL	0.00397	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00397	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00397	1	7/8/05
Trichloroethene	BQL	0.00397	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00397	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00397	1	7/8/05
Trichlorofluoromethane	BQL	0.00397	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00397	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00397	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00397	1	7/8/05
Vinyl chloride	BQL	0.00397	1	7/8/05
m-,p-Xylene	BQL	0.00794	1	7/8/05
o-Xylene	BQL	0.00397	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0476	95
1,2-Dichloroethane-d4	0.05	0.0464	93
Toluene-d8	0.05	0.0505	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: NS2-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-4D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 10:00
Date Received: 6/30/05
Matrix: Soil
%Solids: 84.0

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	2.40	100	7/2/05
Benzene	**0.160**	0.0961	100	7/2/05
Bromobenzene	BQL	0.0961	100	7/2/05
Bromochloromethane	BQL	0.0961	100	7/2/05
Bromodichloromethane	BQL	0.0961	100	7/2/05
Bromoform	BQL	0.0961	100	7/2/05
Bromomethane	BQL	0.0961	100	7/2/05
2-Butanone	BQL	2.40	100	7/2/05
n-Butylbenzene	**0.215**	0.0961	100	7/2/05
sec-Butylbenzene	BQL	0.0961	100	7/2/05
tert-Butylbenzene	BQL	0.0961	100	7/2/05
Carbon disulfide	BQL	0.0961	100	7/2/05
Carbon tetrachloride	BQL	0.0961	100	7/2/05
Chlorobenzene	BQL	0.0961	100	7/2/05
Chloroethane	BQL	0.0961	100	7/2/05
Chloroform	BQL	0.0961	100	7/2/05
Chloromethane	BQL	0.0961	100	7/2/05
2-Chlorotoluene	BQL	0.0961	100	7/2/05
4-Chlorotoluene	BQL	0.0961	100	7/2/05
Dibromochloromethane	BQL	0.0961	100	7/2/05
1,2-Dibromo-3-chloropropane	BQL	0.480	100	7/2/05
Dibromomethane	BQL	0.0961	100	7/2/05
1,2-Dibromoethane (EDB)	BQL	0.0961	100	7/2/05
1,2-Dichlorobenzene	BQL	0.0961	100	7/2/05
1,3-Dichlorobenzene	BQL	0.0961	100	7/2/05
1,4-Dichlorobenzene	BQL	0.0961	100	7/2/05
trans-1,4-Dichloro-2-butene	BQL	0.480	100	7/2/05
1,1-Dichloroethane	BQL	0.0961	100	7/2/05
1,1-Dichloroethene	BQL	0.0961	100	7/2/05
1,2-Dichloroethane	BQL	0.0961	100	7/2/05
cis-1,2-Dichloroethene	BQL	0.0961	100	7/2/05
trans-1,2-dichloroethene	BQL	0.0961	100	7/2/05
1,2-Dichloropropane	BQL	0.0961	100	7/2/05
1,3-Dichloropropane	BQL	0.0961	100	7/2/05
2,2-Dichloropropane	BQL	0.0961	100	7/2/05
1,1-Dichloropropene	BQL	0.0961	100	7/2/05
cis-1,3-Dichloropropene	BQL	0.0961	100	7/2/05
trans-1,3-Dichloropropene	BQL	0.0961	100	7/2/05
Dichlorodifluoromethane	BQL	0.480	100	7/2/05
Diisopropyl ether (DIPE)	BQL	0.0961	100	7/2/05
Ethylbenzene	**0.153**	0.0961	100	7/2/05
Hexachlorobutadiene	BQL	0.0961	100	7/2/05

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: NS2-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-4D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 10:00
Date Received: 6/30/05
Matrix: Soil
%Solids: 84 0

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.480	100	7/2/05
Iodomethane	**0.242**	0.0961	100	7/2/05
Isopropylbenzene	**0.248**	0.0961	100	7/2/05
4-Isopropyltoluene	**0.0989**	0.0961	100	7/2/05
Methylene chloride	BQL	0.480	100	7/2/05
4-Methyl-2-pentanone	BQL	0.480	100	7/2/05
Methyl-tert-butyl ether (MTBE)	BQL	0.0961	100	7/2/05
Naphthalene	**1.68**	0.0961	100	7/2/05
n-Propyl benzene	**0.547**	0.0961	100	7/2/05
Styrene	BQL	0.0961	100	7/2/05
1,1,1,2-Tetrachloroethane	BQL	0.0961	100	7/2/05
1,1,2,2-Tetrachloroethane	BQL	0.0961	100	7/2/05
Tetrachloroethene	BQL	0.0961	100	7/2/05
Toluene	BQL	0.0961	100	7/2/05
1,2,3-Trichlorobenzene	BQL	0.0961	100	7/2/05
1,2,4-Trichlorobenzene	BQL	0.0961	100	7/2/05
Trichloroethene	BQL	0.0961	100	7/2/05
1,1,1-Trichloroethane	BQL	0.0961	100	7/2/05
1,1,2-Trichloroethane	BQL	0.0961	100	7/2/05
Trichlorofluoromethane	BQL	0.0961	100	7/2/05
1,2,3-Trichloropropane	BQL	0.0961	100	7/2/05
1,2,4-Trimethylbenzene	BQL	0.0961	100	7/2/05
1,3,5-Trimethylbenzene	BQL	0.0961	100	7/2/05
Vinyl chloride	BQL	0.0961	100	7/2/05
m-,p-Xylene	BQL	0.192	100	7/2/05
o-Xylene	BQL	0.0961	100	7/2/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.01	0.00866	87
1,2-Dichloroethane-d4	0.01	0.0112	112
Toluene-d8	0.01	0.0106	106

Comments:

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

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-10
Client Project ID: North State Milling
Lab Sample ID G161-2047-5C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:05
Date Received: 6/30/05
Matrix: Soil
%Solids: 92.8

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0413	1	7/8/05
Benzene	BQL	0.00413	1	7/8/05
Bromobenzene	BQL	0.00413	1	7/8/05
Bromochloromethane	BQL	0.00413	1	7/8/05
Bromodichloromethane	BQL	0.00413	1	7/8/05
Bromoform	BQL	0.00413	1	7/8/05
Bromomethane	BQL	0.00413	1	7/8/05
2-Butanone	BQL	0.0206	1	7/8/05
n-Butylbenzene	BQL	0.00413	1	7/8/05
sec-Butylbenzene	BQL	0.00413	1	7/8/05
tert-Butylbenzene	BQL	0.00413	1	7/8/05
Carbon disulfide	BQL	0.00413	1	7/8/05
Carbon tetrachloride	BQL	0.00413	1	7/8/05
Chlorobenzene	BQL	0.00413	1	7/8/05
Chloroethane	BQL	0.00413	1	7/8/05
Chloroform	BQL	0.00413	1	7/8/05
Chloromethane	BQL	0.00413	1	7/8/05
2-Chlorotoluene	BQL	0.00413	1	7/8/05
4-Chlorotoluene	BQL	0.00413	1	7/8/05
Dibromochloromethane	BQL	0.00413	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00413	1	7/8/05
Dibromomethane	BQL	0.00413	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00413	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00413	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00413	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00413	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00413	1	7/8/05
1,1-Dichloroethane	BQL	0.00413	1	7/8/05
1,1-Dichloroethene	BQL	0.00413	1	7/8/05
1,2-Dichloroethane	BQL	0.00413	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00413	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00413	1	7/8/05
1,2-Dichloropropane	BQL	0.00413	1	7/8/05
1,3-Dichloropropane	BQL	0.00413	1	7/8/05
2,2-Dichloropropane	BQL	0.00413	1	7/8/05
1,1-Dichloropropene	BQL	0.00413	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00413	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00413	1	7/8/05
Dichlorodifluoromethane	BQL	0.00413	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00413	1	7/8/05
Ethylbenzene	BQL	0.00413	1	7/8/05
Hexachlorobutadiene	BQL	0.00413	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-10
Client Project ID: North State Milling
Lab Sample ID G161-2047-5C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:05
Date Received: 6/30/05
Matrix: Soil
%Solids: 92.8

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00413	1	7/8/05
Iodomethane	BQL	0.00413	1	7/8/05
Isopropylbenzene	BQL	0.00413	1	7/8/05
4-Isopropyltoluene	BQL	0.00413	1	7/8/05
Methylene chloride	BQL	0.0165	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00413	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00413	1	7/8/05
Naphthalene	BQL	0.00413	1	7/8/05
n-Propyl benzene	BQL	0.00413	1	7/8/05
Styrene	BQL	0.00413	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00413	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00413	1	7/8/05
Tetrachloroethene	BQL	0.00413	1	7/8/05
Toluene	BQL	0.00413	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00413	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00413	1	7/8/05
Trichloroethene	BQL	0.00413	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00413	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00413	1	7/8/05
Trichlorofluoromethane	BQL	0.00413	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00413	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00413	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00413	1	7/8/05
Vinyl chloride	BQL	0.00413	1	7/8/05
m-,p-Xylene	BQL	0.00825	1	7/8/05
o-Xylene	BQL	0.00413	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0478	96
1,2-Dichloroethane-d4	0.05	0.0468	94
Toluene-d8	0.05	0.0505	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-10 (Dup)
Client Project ID: North State Milling
Lab Sample ID G161-2047-6C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:05
Date Received: 6/30/05
Matrix: Soil
%Solids: 91.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0405	1	7/8/05
Benzene	BQL	0.00405	1	7/8/05
Bromobenzene	BQL	0.00405	1	7/8/05
Bromochloromethane	BQL	0.00405	1	7/8/05
Bromodichloromethane	BQL	0.00405	1	7/8/05
Bromoform	BQL	0.00405	1	7/8/05
Bromomethane	BQL	0.00405	1	7/8/05
2-Butanone	BQL	0.0202	1	7/8/05
n-Butylbenzene	BQL	0.00405	1	7/8/05
sec-Butylbenzene	BQL	0.00405	1	7/8/05
tert-Butylbenzene	BQL	0.00405	1	7/8/05
Carbon disulfide	BQL	0.00405	1	7/8/05
Carbon tetrachloride	BQL	0.00405	1	7/8/05
Chlorobenzene	BQL	0.00405	1	7/8/05
Chloroethane	BQL	0.00405	1	7/8/05
Chloroform	BQL	0.00405	1	7/8/05
Chloromethane	BQL	0.00405	1	7/8/05
2-Chlorotoluene	BQL	0.00405	1	7/8/05
4-Chlorotoluene	BQL	0.00405	1	7/8/05
Dibromochloromethane	BQL	0.00405	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00405	1	7/8/05
Dibromomethane	BQL	0.00405	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00405	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00405	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00405	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00405	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00405	1	7/8/05
1,1-Dichloroethane	BQL	0.00405	1	7/8/05
1,1-Dichloroethene	BQL	0.00405	1	7/8/05
1,2-Dichloroethane	BQL	0.00405	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00405	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00405	1	7/8/05
1,2-Dichloropropane	BQL	0.00405	1	7/8/05
1,3-Dichloropropane	BQL	0.00405	1	7/8/05
2,2-Dichloropropane	BQL	0.00405	1	7/8/05
1,1-Dichloropropene	BQL	0.00405	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00405	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00405	1	7/8/05
Dichlorodifluoromethane	BQL	0.00405	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00405	1	7/8/05
Ethylbenzene	BQL	0.00405	1	7/8/05
Hexachlorobutadiene	BQL	0.00405	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-10 (Dup)
Client Project ID: North State Milling
Lab Sample ID G161-2047-6C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:05
Date Received: 6/30/05
Matrix: Soil
%Solids: 91.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00405	1	7/8/05
Iodomethane	BQL	0.00405	1	7/8/05
Isopropylbenzene	BQL	0.00405	1	7/8/05
4-Isopropyltoluene	BQL	0.00405	1	7/8/05
Methylene chloride	BQL	0.0162	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00405	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00405	1	7/8/05
Naphthalene	BQL	0.00405	1	7/8/05
n-Propyl benzene	BQL	0.00405	1	7/8/05
Styrene	BQL	0.00405	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00405	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00405	1	7/8/05
Tetrachloroethene	BQL	0.00405	1	7/8/05
Toluene	BQL	0.00405	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00405	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00405	1	7/8/05
Trichloroethene	BQL	0.00405	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00405	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00405	1	7/8/05
Trichlorofluoromethane	BQL	0.00405	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00405	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00405	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00405	1	7/8/05
Vinyl chloride	BQL	0.00405	1	7/8/05
m-,p-Xylene	BQL	0.00810	1	7/8/05
o-Xylene	BQL	0.00405	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0479	96
1,2-Dichloroethane-d4	0.05	0.0433	87
Toluene-d8	0.05	0.051	102

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-15
Client Project ID: North State Milling
Lab Sample ID G161-2047-7C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:07
Date Received: 6/30/05
Matrix: Soil
%Solids: 92.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0423	1	7/8/05
Benzene	BQL	0.00423	1	7/8/05
Bromobenzene	BQL	0.00423	1	7/8/05
Bromochloromethane	BQL	0.00423	1	7/8/05
Bromodichloromethane	BQL	0.00423	1	7/8/05
Bromoform	BQL	0.00423	1	7/8/05
Bromomethane	BQL	0.00423	1	7/8/05
2-Butanone	BQL	0.0212	1	7/8/05
n-Butylbenzene	BQL	0.00423	1	7/8/05
sec-Butylbenzene	BQL	0.00423	1	7/8/05
tert-Butylbenzene	BQL	0.00423	1	7/8/05
Carbon disulfide	BQL	0.00423	1	7/8/05
Carbon tetrachloride	BQL	0.00423	1	7/8/05
Chlorobenzene	BQL	0.00423	1	7/8/05
Chloroethane	BQL	0.00423	1	7/8/05
Chloroform	BQL	0.00423	1	7/8/05
Chloromethane	BQL	0.00423	1	7/8/05
2-Chlorotoluene	BQL	0.00423	1	7/8/05
4-Chlorotoluene	BQL	0.00423	1	7/8/05
Dibromochloromethane	BQL	0.00423	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00423	1	7/8/05
Dibromomethane	BQL	0.00423	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00423	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00423	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00423	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00423	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00423	1	7/8/05
1,1-Dichloroethane	BQL	0.00423	1	7/8/05
1,1-Dichloroethene	BQL	0.00423	1	7/8/05
1,2-Dichloroethane	BQL	0.00423	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00423	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00423	1	7/8/05
1,2-Dichloropropane	BQL	0.00423	1	7/8/05
1,3-Dichloropropane	BQL	0.00423	1	7/8/05
2,2-Dichloropropane	BQL	0.00423	1	7/8/05
1,1-Dichloropropene	BQL	0.00423	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00423	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00423	1	7/8/05
Dichlorodifluoromethane	BQL	0.00423	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00423	1	7/8/05
Ethylbenzene	BQL	0.00423	1	7/8/05
Hexachlorobutadiene	BQL	0.00423	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-15
Client Project ID: North State Milling
Lab Sample ID G161-2047-7C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:07
Date Received: 6/30/05
Matrix: Soil
%Solids: 92.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00423	1	7/8/05
Iodomethane	BQL	0.00423	1	7/8/05
Isopropylbenzene	BQL	0.00423	1	7/8/05
4-Isopropyltoluene	BQL	0.00423	1	7/8/05
Methylene chloride	BQL	0.0169	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00423	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00423	1	7/8/05
Naphthalene	BQL	0.00423	1	7/8/05
n-Propyl benzene	BQL	0.00423	1	7/8/05
Styrene	BQL	0.00423	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00423	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00423	1	7/8/05
Tetrachloroethene	BQL	0.00423	1	7/8/05
Toluene	BQL	0.00423	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00423	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00423	1	7/8/05
Trichloroethene	BQL	0.00423	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00423	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00423	1	7/8/05
Trichlorofluoromethane	BQL	0.00423	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00423	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00423	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00423	1	7/8/05
Vinyl chloride	BQL	0.00423	1	7/8/05
m-,p-Xylene	BQL	0.00847	1	7/8/05
o-Xylene	BQL	0.00423	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0507	101
1,2-Dichloroethane-d4	0.05	0.0472	94
Toluene-d8	0.05	0.0513	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-18
Client Project ID: North State Milling
Lab Sample ID G161-2047-8C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:10
Date Received: 6/30/05
Matrix: Soil
%Solids: 88.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0464	1	7/8/05
Benzene	BQL	0.00464	1	7/8/05
Bromobenzene	BQL	0.00464	1	7/8/05
Bromochloromethane	BQL	0.00464	1	7/8/05
Bromodichloromethane	BQL	0.00464	1	7/8/05
Bromoform	BQL	0.00464	1	7/8/05
Bromomethane	BQL	0.00464	1	7/8/05
2-Butanone	BQL	0.0232	1	7/8/05
n-Butylbenzene	BQL	0.00464	1	7/8/05
sec-Butylbenzene	BQL	0.00464	1	7/8/05
tert-Butylbenzene	BQL	0.00464	1	7/8/05
Carbon disulfide	BQL	0.00464	1	7/8/05
Carbon tetrachloride	BQL	0.00464	1	7/8/05
Chlorobenzene	BQL	0.00464	1	7/8/05
Chloroethane	BQL	0.00464	1	7/8/05
Chloroform	BQL	0.00464	1	7/8/05
Chloromethane	BQL	0.00464	1	7/8/05
2-Chlorotoluene	BQL	0.00464	1	7/8/05
4-Chlorotoluene	BQL	0.00464	1	7/8/05
Dibromochloromethane	BQL	0.00464	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00464	1	7/8/05
Dibromomethane	BQL	0.00464	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00464	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00464	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00464	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00464	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00464	1	7/8/05
1,1-Dichloroethane	BQL	0.00464	1	7/8/05
1,1-Dichloroethene	BQL	0.00464	1	7/8/05
1,2-Dichloroethane	BQL	0.00464	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00464	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00464	1	7/8/05
1,2-Dichloropropane	BQL	0.00464	1	7/8/05
1,3-Dichloropropane	BQL	0.00464	1	7/8/05
2,2-Dichloropropane	BQL	0.00464	1	7/8/05
1,1-Dichloropropene	BQL	0.00464	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00464	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00464	1	7/8/05
Dichlorodifluoromethane	BQL	0.00464	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00464	1	7/8/05
Ethylbenzene	BQL	0.00464	1	7/8/05
Hexachlorobutadiene	BQL	0.00464	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-18
Client Project ID: North State Milling
Lab Sample ID G161-2047-8C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:10
Date Received: 6/30/05
Matrix: Soil
%Solids: 88.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00464	1	7/8/05
Iodomethane	BQL	0.00464	1	7/8/05
Isopropylbenzene	BQL	0.00464	1	7/8/05
4-Isopropyltoluene	BQL	0.00464	1	7/8/05
Methylene chloride	BQL	0.0186	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00464	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00464	1	7/8/05
Naphthalene	BQL	0.00464	1	7/8/05
n-Propyl benzene	BQL	0.00464	1	7/8/05
Styrene	BQL	0.00464	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00464	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00464	1	7/8/05
Tetrachloroethene	BQL	0.00464	1	7/8/05
Toluene	BQL	0.00464	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00464	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00464	1	7/8/05
Trichloroethene	BQL	0.00464	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00464	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00464	1	7/8/05
Trichlorofluoromethane	BQL	0.00464	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00464	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00464	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00464	1	7/8/05
Vinyl chloride	BQL	0.00464	1	7/8/05
m-,p-Xylene	BQL	0.00928	1	7/8/05
o-Xylene	BQL	0.00464	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0483	97
1,2-Dichloroethane-d4	0.05	0.0446	89
Toluene-d8	0.05	0.0502	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-5
Client Project ID: North State Milling
Lab Sample ID G161-2047-9C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:27
Date Received: 6/30/05
Matrix: Soil
%Solids: 87 0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0443	1	7/8/05
Benzene	BQL	0.00443	1	7/8/05
Bromobenzene	BQL	0.00443	1	7/8/05
Bromochloromethane	BQL	0.00443	1	7/8/05
Bromodichloromethane	BQL	0.00443	1	7/8/05
Bromoform	BQL	0.00443	1	7/8/05
Bromomethane	BQL	0.00443	1	7/8/05
2-Butanone	BQL	0.0221	1	7/8/05
n-Butylbenzene	BQL	0.00443	1	7/8/05
sec-Butylbenzene	BQL	0.00443	1	7/8/05
tert-Butylbenzene	BQL	0.00443	1	7/8/05
Carbon disulfide	BQL	0.00443	1	7/8/05
Carbon tetrachloride	BQL	0.00443	1	7/8/05
Chlorobenzene	BQL	0.00443	1	7/8/05
Chloroethane	BQL	0.00443	1	7/8/05
Chloroform	BQL	0.00443	1	7/8/05
Chloromethane	BQL	0.00443	1	7/8/05
2-Chlorotoluene	BQL	0.00443	1	7/8/05
4-Chlorotoluene	BQL	0.00443	1	7/8/05
Dibromochloromethane	BQL	0.00443	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00443	1	7/8/05
Dibromomethane	BQL	0.00443	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00443	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00443	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00443	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00443	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00443	1	7/8/05
1,1-Dichloroethane	BQL	0.00443	1	7/8/05
1,1-Dichloroethene	BQL	0.00443	1	7/8/05
1,2-Dichloroethane	BQL	0.00443	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00443	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00443	1	7/8/05
1,2-Dichloropropane	BQL	0.00443	1	7/8/05
1,3-Dichloropropane	BQL	0.00443	1	7/8/05
2,2-Dichloropropane	BQL	0.00443	1	7/8/05
1,1-Dichloropropene	BQL	0.00443	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00443	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00443	1	7/8/05
Dichlorodifluoromethane	BQL	0.00443	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00443	1	7/8/05
Ethylbenzene	BQL	0.00443	1	7/8/05
Hexachlorobutadiene	BQL	0.00443	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-5
Client Project ID: North State Milling
Lab Sample ID G161-2047-9C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:27
Date Received: 6/30/05
Matrix: Soil
%Solids: 87.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00443	1	7/8/05
Iodomethane	BQL	0.00443	1	7/8/05
Isopropylbenzene	BQL	0.00443	1	7/8/05
4-Isopropyltoluene	BQL	0.00443	1	7/8/05
Methylene chloride	BQL	0.0177	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00443	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00443	1	7/8/05
Naphthalene	BQL	0.00443	1	7/8/05
n-Propyl benzene	BQL	0.00443	1	7/8/05
Styrene	BQL	0.00443	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00443	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00443	1	7/8/05
Tetrachloroethene	BQL	0.00443	1	7/8/05
Toluene	BQL	0.00443	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00443	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00443	1	7/8/05
Trichloroethene	BQL	0.00443	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00443	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00443	1	7/8/05
Trichlorofluoromethane	BQL	0.00443	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00443	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00443	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00443	1	7/8/05
Vinyl chloride	BQL	0.00443	1	7/8/05
m-,p-Xylene	BQL	0.00886	1	7/8/05
o-Xylene	BQL	0.00443	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0505	101
1,2-Dichloroethane-d4	0.05	0.0506	101
Toluene-d8	0.05	0.0513	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-10
Client Project ID: North State Milling
Lab Sample ID G161-2047-10C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:30
Date Received: 6/30/05
Matrix: Soil
%Solids: 94.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0422	1	7/8/05
Benzene	BQL	0.00422	1	7/8/05
Bromobenzene	BQL	0.00422	1	7/8/05
Bromochloromethane	BQL	0.00422	1	7/8/05
Bromodichloromethane	BQL	0.00422	1	7/8/05
Bromoform	BQL	0.00422	1	7/8/05
Bromomethane	BQL	0.00422	1	7/8/05
2-Butanone	BQL	0.0211	1	7/8/05
n-Butylbenzene	BQL	0.00422	1	7/8/05
sec-Butylbenzene	BQL	0.00422	1	7/8/05
tert-Butylbenzene	BQL	0.00422	1	7/8/05
Carbon disulfide	BQL	0.00422	1	7/8/05
Carbon tetrachloride	BQL	0.00422	1	7/8/05
Chlorobenzene	BQL	0.00422	1	7/8/05
Chloroethane	BQL	0.00422	1	7/8/05
Chloroform	BQL	0.00422	1	7/8/05
Chloromethane	BQL	0.00422	1	7/8/05
2-Chlorotoluene	BQL	0.00422	1	7/8/05
4-Chlorotoluene	BQL	0.00422	1	7/8/05
Dibromochloromethane	BQL	0.00422	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00422	1	7/8/05
Dibromomethane	BQL	0.00422	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00422	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00422	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00422	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00422	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00422	1	7/8/05
1,1-Dichloroethane	BQL	0.00422	1	7/8/05
1,1-Dichloroethene	BQL	0.00422	1	7/8/05
1,2-Dichloroethane	BQL	0.00422	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00422	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00422	1	7/8/05
1,2-Dichloropropane	BQL	0.00422	1	7/8/05
1,3-Dichloropropane	BQL	0.00422	1	7/8/05
2,2-Dichloropropane	BQL	0.00422	1	7/8/05
1,1-Dichloropropene	BQL	0.00422	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00422	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00422	1	7/8/05
Dichlorodifluoromethane	BQL	0.00422	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00422	1	7/8/05
Ethylbenzene	BQL	0.00422	1	7/8/05
Hexachlorobutadiene	BQL	0.00422	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-10
Client Project ID: North State Milling
Lab Sample ID G161-2047-10C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:30
Date Received: 6/30/05
Matrix: Soil
%Solids: 94.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00422	1	7/8/05
Iodomethane	BQL	0.00422	1	7/8/05
Isopropylbenzene	BQL	0.00422	1	7/8/05
4-Isopropyltoluene	BQL	0.00422	1	7/8/05
Methylene chloride	BQL	0.0169	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00422	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00422	1	7/8/05
Naphthalene	BQL	0.00422	1	7/8/05
n-Propyl benzene	BQL	0.00422	1	7/8/05
Styrene	BQL	0.00422	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00422	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00422	1	7/8/05
Tetrachloroethene	BQL	0.00422	1	7/8/05
Toluene	BQL	0.00422	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00422	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00422	1	7/8/05
Trichloroethene	BQL	0.00422	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00422	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00422	1	7/8/05
Trichlorofluoromethane	BQL	0.00422	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00422	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00422	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00422	1	7/8/05
Vinyl chloride	BQL	0.00422	1	7/8/05
m-,p-Xylene	BQL	0.00844	1	7/8/05
o-Xylene	BQL	0.00422	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0487	97
1,2-Dichloroethane-d4	0.05	0.0519	104
Toluene-d8	0.05	0.0513	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-15
Client Project ID: North State Milling
Lab Sample ID G161-2047-11C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:35
Date Received: 6/30/05
Matrix: Soil
%Solids: 96.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0446	1	7/8/05
Benzene	BQL	0.00446	1	7/8/05
Bromobenzene	BQL	0.00446	1	7/8/05
Bromochloromethane	BQL	0.00446	1	7/8/05
Bromodichloromethane	BQL	0.00446	1	7/8/05
Bromoform	BQL	0.00446	1	7/8/05
Bromomethane	BQL	0.00446	1	7/8/05
2-Butanone	BQL	0.0223	1	7/8/05
n-Butylbenzene	BQL	0.00446	1	7/8/05
sec-Butylbenzene	BQL	0.00446	1	7/8/05
tert-Butylbenzene	BQL	0.00446	1	7/8/05
Carbon disulfide	BQL	0.00446	1	7/8/05
Carbon tetrachloride	BQL	0.00446	1	7/8/05
Chlorobenzene	BQL	0.00446	1	7/8/05
Chloroethane	BQL	0.00446	1	7/8/05
Chloroform	BQL	0.00446	1	7/8/05
Chloromethane	BQL	0.00446	1	7/8/05
2-Chlorotoluene	BQL	0.00446	1	7/8/05
4-Chlorotoluene	BQL	0.00446	1	7/8/05
Dibromochloromethane	BQL	0.00446	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00446	1	7/8/05
Dibromomethane	BQL	0.00446	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00446	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00446	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00446	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00446	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00446	1	7/8/05
1,1-Dichloroethane	BQL	0.00446	1	7/8/05
1,1-Dichloroethene	BQL	0.00446	1	7/8/05
1,2-Dichloroethane	BQL	0.00446	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00446	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00446	1	7/8/05
1,2-Dichloropropane	BQL	0.00446	1	7/8/05
1,3-Dichloropropane	BQL	0.00446	1	7/8/05
2,2-Dichloropropane	BQL	0.00446	1	7/8/05
1,1-Dichloropropene	BQL	0.00446	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00446	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00446	1	7/8/05
Dichlorodifluoromethane	BQL	0.00446	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00446	1	7/8/05
Ethylbenzene	BQL	0.00446	1	7/8/05
Hexachlorobutadiene	BQL	0.00446	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-15
Client Project ID: North State Milling
Lab Sample ID G161-2047-11C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:35
Date Received: 6/30/05
Matrix: Soil
%Solids: 96.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00446	1	7/8/05
Iodomethane	BQL	0.00446	1	7/8/05
Isopropylbenzene	BQL	0.00446	1	7/8/05
4-Isopropyltoluene	BQL	0.00446	1	7/8/05
Methylene chloride	BQL	0.0178	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00446	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00446	1	7/8/05
Naphthalene	BQL	0.00446	1	7/8/05
n-Propyl benzene	BQL	0.00446	1	7/8/05
Styrene	BQL	0.00446	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00446	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00446	1	7/8/05
Tetrachloroethene	BQL	0.00446	1	7/8/05
Toluene	BQL	0.00446	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00446	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00446	1	7/8/05
Trichloroethene	BQL	0.00446	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00446	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00446	1	7/8/05
Trichlorofluoromethane	BQL	0.00446	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00446	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00446	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00446	1	7/8/05
Vinyl chloride	BQL	0.00446	1	7/8/05
m-,p-Xylene	BQL	0.00892	1	7/8/05
o-Xylene	BQL	0.00446	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0487	97
1,2-Dichloroethane-d4	0.05	0.0518	104
Toluene-d8	0.05	0.0514	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-18.5
Client Project ID: North State Milling
Lab Sample ID G161-2047-12B
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:40
Date Received: 6/30/05
Matrix: Soil
%Solids: 94.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0421	1	7/8/05
Benzene	BQL	0.00421	1	7/8/05
Bromobenzene	BQL	0.00421	1	7/8/05
Bromochloromethane	BQL	0.00421	1	7/8/05
Bromodichloromethane	BQL	0.00421	1	7/8/05
Bromoform	BQL	0.00421	1	7/8/05
Bromomethane	BQL	0.00421	1	7/8/05
2-Butanone	BQL	0.0210	1	7/8/05
n-Butylbenzene	BQL	0.00421	1	7/8/05
sec-Butylbenzene	BQL	0.00421	1	7/8/05
tert-Butylbenzene	BQL	0.00421	1	7/8/05
Carbon disulfide	BQL	0.00421	1	7/8/05
Carbon tetrachloride	BQL	0.00421	1	7/8/05
Chlorobenzene	BQL	0.00421	1	7/8/05
Chloroethane	BQL	0.00421	1	7/8/05
Chloroform	BQL	0.00421	1	7/8/05
Chloromethane	BQL	0.00421	1	7/8/05
2-Chlorotoluene	BQL	0.00421	1	7/8/05
4-Chlorotoluene	BQL	0.00421	1	7/8/05
Dibromochloromethane	BQL	0.00421	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00421	1	7/8/05
Dibromomethane	BQL	0.00421	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00421	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00421	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00421	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00421	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00421	1	7/8/05
1,1-Dichloroethane	BQL	0.00421	1	7/8/05
1,1-Dichloroethene	BQL	0.00421	1	7/8/05
1,2-Dichloroethane	BQL	0.00421	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00421	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00421	1	7/8/05
1,2-Dichloropropane	BQL	0.00421	1	7/8/05
1,3-Dichloropropane	BQL	0.00421	1	7/8/05
2,2-Dichloropropane	BQL	0.00421	1	7/8/05
1,1-Dichloropropene	BQL	0.00421	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00421	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00421	1	7/8/05
Dichlorodifluoromethane	BQL	0.00421	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00421	1	7/8/05
Ethylbenzene	BQL	0.00421	1	7/8/05
Hexachlorobutadiene	BQL	0.00421	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS3-18 5
Client Project ID: North State Milling
Lab Sample ID G161-2047-12B
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:40
Date Received: 6/30/05
Matrix: Soil
%Solids: 94.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00421	1	7/8/05
Iodomethane	BQL	0.00421	1	7/8/05
Isopropylbenzene	BQL	0.00421	1	7/8/05
4-Isopropyltoluene	BQL	0.00421	1	7/8/05
Methylene chloride	BQL	0.0168	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00421	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00421	1	7/8/05
Naphthalene	BQL	0.00421	1	7/8/05
n-Propyl benzene	BQL	0.00421	1	7/8/05
Styrene	BQL	0.00421	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00421	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00421	1	7/8/05
Tetrachloroethene	BQL	0.00421	1	7/8/05
Toluene	BQL	0.00421	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00421	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00421	1	7/8/05
Trichloroethene	BQL	0.00421	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00421	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00421	1	7/8/05
Trichlorofluoromethane	BQL	0.00421	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00421	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00421	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00421	1	7/8/05
Vinyl chloride	BQL	0.00421	1	7/8/05
m-,p-Xylene	BQL	0.00841	1	7/8/05
o-Xylene	BQL	0.00421	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0501	100
1,2-Dichloroethane-d4	0.05	0.0537	107
Toluene-d8	0.05	0.0509	102

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: NS4-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-13D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 11:04
Date Received: 6/30/05
Matrix: Soil
%Solids: 72.6

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	3.17	100	7/2/05
Benzene	BQL	0.127	100	7/2/05
Bromobenzene	BQL	0.127	100	7/2/05
Bromochloromethane	BQL	0.127	100	7/2/05
Bromodichloromethane	BQL	0.127	100	7/2/05
Bromoform	BQL	0.127	100	7/2/05
Bromomethane	BQL	0.127	100	7/2/05
2-Butanone	BQL	3.17	100	7/2/05
n-Butylbenzene	**0.629**	0.127	100	7/2/05
sec-Butylbenzene	**0.419**	0.127	100	7/2/05
tert-Butylbenzene	**0.135**	0.127	100	7/2/05
Carbon disulfide	BQL	0.127	100	7/2/05
Carbon tetrachloride	BQL	0.127	100	7/2/05
Chlorobenzene	BQL	0.127	100	7/2/05
Chloroethane	BQL	0.127	100	7/2/05
Chloroform	BQL	0.127	100	7/2/05
Chloromethane	BQL	0.127	100	7/2/05
2-Chlorotoluene	BQL	0.127	100	7/2/05
4-Chlorotoluene	BQL	0.127	100	7/2/05
Dibromochloromethane	BQL	0.127	100	7/2/05
1,2-Dibromo-3-chloropropane	BQL	0.633	100	7/2/05
Dibromomethane	BQL	0.127	100	7/2/05
1,2-Dibromoethane (EDB)	BQL	0.127	100	7/2/05
1,2-Dichlorobenzene	BQL	0.127	100	7/2/05
1,3-Dichlorobenzene	BQL	0.127	100	7/2/05
1,4-Dichlorobenzene	BQL	0.127	100	7/2/05
trans-1,4-Dichloro-2-butene	BQL	0.633	100	7/2/05
1,1-Dichloroethane	BQL	0.127	100	7/2/05
1,1-Dichloroethene	BQL	0.127	100	7/2/05
1,2-Dichloroethane	BQL	0.127	100	7/2/05
cis-1,2-Dichloroethene	BQL	0.127	100	7/2/05
trans-1,2-dichloroethene	BQL	0.127	100	7/2/05
1,2-Dichloropropane	BQL	0.127	100	7/2/05
1,3-Dichloropropane	BQL	0.127	100	7/2/05
2,2-Dichloropropane	BQL	0.127	100	7/2/05
1,1-Dichloropropene	BQL	0.127	100	7/2/05
cis-1,3-Dichloropropene	BQL	0.127	100	7/2/05
trans-1,3-Dichloropropene	BQL	0.127	100	7/2/05
Dichlorodifluoromethane	BQL	0.633	100	7/2/05
Diisopropyl ether (DIPE)	BQL	0.127	100	7/2/05
Ethylbenzene	BQL	0.127	100	7/2/05
Hexachlorobutadiene	BQL	0.127	100	7/2/05

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: NS4-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-13D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 11:04
Date Received: 6/30/05
Matrix: Soil
%Solids: 72.6

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.633	100	7/2/05
Iodomethane	**0.318**	0.127	100	7/2/05
Isopropylbenzene	BQL	0.127	100	7/2/05
4-Isopropyltoluene	**0.198**	0.127	100	7/2/05
Methylene chloride	BQL	0.633	100	7/2/05
4-Methyl-2-pentanone	BQL	0.633	100	7/2/05
Methyl-tert-butyl ether (MTBE)	BQL	0.127	100	7/2/05
Naphthalene	**2.14**	0.127	100	7/2/05
n-Propyl benzene	BQL	0.127	100	7/2/05
Styrene	BQL	0.127	100	7/2/05
1,1,1,2-Tetrachloroethane	BQL	0.127	100	7/2/05
1,1,2,2-Tetrachloroethane	BQL	0.127	100	7/2/05
Tetrachloroethene	BQL	0.127	100	7/2/05
Toluene	BQL	0.127	100	7/2/05
1,2,3-Trichlorobenzene	BQL	0.127	100	7/2/05
1,2,4-Trichlorobenzene	BQL	0.127	100	7/2/05
Trichloroethene	BQL	0.127	100	7/2/05
1,1,1-Trichloroethane	BQL	0.127	100	7/2/05
1,1,2-Trichloroethane	BQL	0.127	100	7/2/05
Trichlorofluoromethane	BQL	0.127	100	7/2/05
1,2,3-Trichloropropane	BQL	0.127	100	7/2/05
1,2,4-Trimethylbenzene	BQL	0.127	100	7/2/05
1,3,5-Trimethylbenzene	BQL	0.127	100	7/2/05
Vinyl chloride	BQL	0.127	100	7/2/05
m-,p-Xylene	BQL	0.253	100	7/2/05
o-Xylene	BQL	0.127	100	7/2/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.01	0.00985	98
1,2-Dichloroethane-d4	0.01	0.011	110
Toluene-d8	0.01	0.0102	102

Comments:

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

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS4-10
Client Project ID: North State Milling
Lab Sample ID G161-2047-14A
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 11:06
Date Received: 6/30/05
Matrix: Soil
%Solids: 74 4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0495	1	7/7/05
Benzene	BQL	0.00495	1	7/7/05
Bromobenzene	BQL	0.00495	1	7/7/05
Bromochloromethane	BQL	0.00495	1	7/7/05
Bromodichloromethane	BQL	0.00495	1	7/7/05
Bromoform	BQL	0.00495	1	7/7/05
Bromomethane	BQL	0.00495	1	7/7/05
2-Butanone	BQL	0.0247	1	7/7/05
n-Butylbenzene	BQL	0.00495	1	7/7/05
sec-Butylbenzene	BQL	0.00495	1	7/7/05
tert-Butylbenzene	BQL	0.00495	1	7/7/05
Carbon disulfide	BQL	0.00495	1	7/7/05
Carbon tetrachloride	BQL	0.00495	1	7/7/05
Chlorobenzene	BQL	0 00495	1	7/7/05
Chloroethane	BQL	0.00495	1	7/7/05
Chloroform	BQL	0.00495	1	7/7/05
Chloromethane	BQL	0.00495	1	7/7/05
2-Chlorotoluene	BQL	0.00495	1	7/7/05
4-Chlorotoluene	BQL	0.00495	1	7/7/05
Dibromochloromethane	BQL	0.00495	1	7/7/05
1,2-Dibromo-3-chloropropane	BQL	0.00495	1	7/7/05
Dibromomethane	BQL	0.00495	1	7/7/05
1,2-Dibromoethane (EDB)	BQL	0.00495	1	7/7/05
1,2-Dichlorobenzene	BQL	0.00495	1	7/7/05
1,3-Dichlorobenzene	BQL	0.00495	1	7/7/05
1,4-Dichlorobenzene	BQL	0.00495	1	7/7/05
trans-1,4-Dichloro-2-butene	BQL	0.00495	1	7/7/05
1,1-Dichloroethane	BQL	0.00495	1	7/7/05
1,1-Dichloroethene	BQL	0.00495	1	7/7/05
1,2-Dichloroethane	BQL	0.00495	1	7/7/05
cis-1,2-Dichloroethene	BQL	0.00495	1	7/7/05
trans-1,2-dichloroethene	BQL	0.00495	1	7/7/05
1,2-Dichloropropane	BQL	0.00495	1	7/7/05
1,3-Dichloropropane	BQL	0.00495	1	7/7/05
2,2-Dichloropropane	BQL	0.00495	1	7/7/05
1,1-Dichloropropene	BQL	0.00495	1	7/7/05
cis-1,3-Dichloropropene	BQL	0.00495	1	7/7/05
trans-1,3-Dichloropropene	BQL	0 00495	1	7/7/05
Dichlorodifluoromethane	BQL	0 00495	1	7/7/05
Diisopropyl ether (DIPE)	BQL	0.00495	1	7/7/05
Ethylbenzene	BQL	0.00495	1	7/7/05
Hexachlorobutadiene	BQL	0 00495	1	7/7/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS4-10
Client Project ID: North State Milling
Lab Sample ID G161-2047-14A
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 11:06
Date Received: 6/30/05
Matrix: Soil
%Solids: 74 4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00495	1	7/7/05
Iodomethane	BQL	0.00495	1	7/7/05
Isopropylbenzene	BQL	0.00495	1	7/7/05
4-Isopropyltoluene	BQL	0.00495	1	7/7/05
Methylene chloride	BQL	0.0198	1	7/7/05
4-Methyl-2-pentanone	BQL	0.00495	1	7/7/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00495	1	7/7/05
Naphthalene	BQL	0 00495	1	7/7/05
n-Propyl benzene	BQL	0.00495	1	7/7/05
Styrene	BQL	0.00495	1	7/7/05
1,1,1,2-Tetrachloroethane	BQL	0.00495	1	7/7/05
1,1,2,2-Tetrachloroethane	BQL	0.00495	1	7/7/05
Tetrachloroethene	BQL	0.00495	1	7/7/05
Toluene	BQL	0.00495	1	7/7/05
1,2,3-Trichlorobenzene	BQL	0.00495	1	7/7/05
1,2,4-Trichlorobenzene	BQL	0.00495	1	7/7/05
Trichloroethene	BQL	0.00495	1	7/7/05
1,1,1-Trichloroethane	BQL	0.00495	1	7/7/05
1,1,2-Trichloroethane	BQL	0.00495	1	7/7/05
Trichlorofluoromethane	BQL	0.00495	1	7/7/05
1,2,3-Trichloropropane	BQL	0.00495	1	7/7/05
1,2,4-Trimethylbenzene	BQL	0.00495	1	7/7/05
1,3,5-Trimethylbenzene	BQL	0.00495	1	7/7/05
Vinyl chloride	BQL	0.00495	1	7/7/05
m-,p-Xylene	BQL	0.00989	1	7/7/05
o-Xylene	BQL	0.00495	1	7/7/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0 05	0.0487	97
1,2-Dichloroethane-d4	0 05	0 053	106
Toluene-d8	0.05	0 0506	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS4-15
Client Project ID: North State Milling
Lab Sample ID G161-2047-15C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 11:09
Date Received: 6/30/05
Matrix: Soil
%Solids: 70 3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0538	1	7/8/05
Benzene	BQL	0.00538	1	7/8/05
Bromobenzene	BQL	0.00538	1	7/8/05
Bromochloromethane	BQL	0 00538	1	7/8/05
Bromodichloromethane	BQL	0 00538	1	7/8/05
Bromoform	BQL	0 00538	1	7/8/05
Bromomethane	BQL	0 00538	1	7/8/05
2-Butanone	BQL	0.0269	1	7/8/05
n-Butylbenzene	BQL	0 00538	1	7/8/05
sec-Butylbenzene	BQL	0 00538	1	7/8/05
tert-Butylbenzene	BQL	0.00538	1	7/8/05
Carbon disulfide	BQL	0.00538	1	7/8/05
Carbon tetrachloride	BQL	0 00538	1	7/8/05
Chlorobenzene	BQL	0 00538	1	7/8/05
Chloroethane	BQL	0.00538	1	7/8/05
Chloroform	BQL	0.00538	1	7/8/05
Chloromethane	BQL	0.00538	1	7/8/05
2-Chlorotoluene	BQL	0.00538	1	7/8/05
4-Chlorotoluene	BQL	0.00538	1	7/8/05
Dibromochloromethane	BQL	0.00538	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00538	1	7/8/05
Dibromomethane	BQL	0 00538	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00538	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00538	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00538	1	7/8/05
1,4-Dichlorobenzene	BQL	0 00538	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00538	1	7/8/05
1,1-Dichloroethane	BQL	0.00538	1	7/8/05
1,1-Dichloroethene	BQL	0 00538	1	7/8/05
1,2-Dichloroethane	BQL	0 00538	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00538	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00538	1	7/8/05
1,2-Dichloropropane	BQL	0.00538	1	7/8/05
1,3-Dichloropropane	BQL	0 00538	1	7/8/05
2,2-Dichloropropane	BQL	0.00538	1	7/8/05
1,1-Dichloropropene	BQL	0.00538	1	7/8/05
cis-1,3-Dichloropropene	BQL	0 00538	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00538	1	7/8/05
Dichlorodifluoromethane	BQL	0 00538	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00538	1	7/8/05
Ethylbenzene	BQL	0.00538	1	7/8/05
Hexachlorobutadiene	BQL	0.00538	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS4-15
Client Project ID: North State Milling
Lab Sample ID G161-2047-15C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 11:09
Date Received: 6/30/05
Matrix: Soil
%Solids: 70.3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00538	1	7/8/05
Iodomethane	BQL	0.00538	1	7/8/05
Isopropylbenzene	BQL	0.00538	1	7/8/05
4-Isopropyltoluene	BQL	0 00538	1	7/8/05
Methylene chloride	BQL	0.0215	1	7/8/05
4-Methyl-2-pentanone	BQL	0 00538	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00538	1	7/8/05
Naphthalene	**0.00578**	0.00538	1	7/8/05
n-Propyl benzene	BQL	0.00538	1	7/8/05
Styrene	BQL	0.00538	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00538	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00538	1	7/8/05
Tetrachloroethene	BQL	0.00538	1	7/8/05
Toluene	**0.00546**	0.00538	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00538	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00538	1	7/8/05
Trichloroethene	BQL	0.00538	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00538	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00538	1	7/8/05
Trichlorofluoromethane	BQL	0.00538	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00538	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00538	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00538	1	7/8/05
Vinyl chloride	BQL	0.00538	1	7/8/05
m-,p-Xylene	BQL	0.0108	1	7/8/05
o-Xylene	BQL	0.00538	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0 0486	97
1,2-Dichloroethane-d4	0.05	0 0527	105
Toluene-d8	0.05	0 0509	102

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS4-20
Client Project ID: North State Milling
Lab Sample ID G161-2047-16C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 11:14
Date Received: 6/30/05
Matrix: Soil
%Solids: 83.9

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0472	1	7/8/05
Benzene	BQL	0.00472	1	7/8/05
Bromobenzene	BQL	0.00472	1	7/8/05
Bromochloromethane	BQL	0.00472	1	7/8/05
Bromodichloromethane	BQL	0.00472	1	7/8/05
Bromoform	BQL	0.00472	1	7/8/05
Bromomethane	BQL	0.00472	1	7/8/05
2-Butanone	BQL	0.0236	1	7/8/05
n-Butylbenzene	BQL	0.00472	1	7/8/05
sec-Butylbenzene	BQL	0.00472	1	7/8/05
tert-Butylbenzene	BQL	0.00472	1	7/8/05
Carbon disulfide	BQL	0.00472	1	7/8/05
Carbon tetrachloride	BQL	0.00472	1	7/8/05
Chlorobenzene	BQL	0.00472	1	7/8/05
Chloroethane	BQL	0.00472	1	7/8/05
Chloroform	BQL	0.00472	1	7/8/05
Chloromethane	BQL	0.00472	1	7/8/05
2-Chlorotoluene	BQL	0.00472	1	7/8/05
4-Chlorotoluene	BQL	0.00472	1	7/8/05
Dibromochloromethane	BQL	0.00472	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	0.00472	1	7/8/05
Dibromomethane	BQL	0.00472	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00472	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00472	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00472	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00472	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	0.00472	1	7/8/05
1,1-Dichloroethane	BQL	0.00472	1	7/8/05
1,1-Dichloroethene	BQL	0.00472	1	7/8/05
1,2-Dichloroethane	BQL	0.00472	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00472	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00472	1	7/8/05
1,2-Dichloropropane	BQL	0.00472	1	7/8/05
1,3-Dichloropropane	BQL	0.00472	1	7/8/05
2,2-Dichloropropane	BQL	0.00472	1	7/8/05
1,1-Dichloropropene	BQL	0.00472	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00472	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00472	1	7/8/05
Dichlorodifluoromethane	BQL	0.00472	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00472	1	7/8/05
Ethylbenzene	BQL	0.00472	1	7/8/05
Hexachlorobutadiene	BQL	0.00472	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS4-20
Client Project ID: North State Milling
Lab Sample ID G161-2047-16C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 11:14
Date Received: 6/30/05
Matrix: Soil
%Solids: 83.9

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00472	1	7/8/05
Iodomethane	BQL	0.00472	1	7/8/05
Isopropylbenzene	BQL	0.00472	1	7/8/05
4-Isopropyltoluene	BQL	0.00472	1	7/8/05
Methylene chloride	BQL	0.0189	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00472	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00472	1	7/8/05
Naphthalene	BQL	0.00472	1	7/8/05
n-Propyl benzene	BQL	0.00472	1	7/8/05
Styrene	BQL	0.00472	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00472	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00472	1	7/8/05
Tetrachloroethene	BQL	0.00472	1	7/8/05
Toluene	BQL	0.00472	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00472	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00472	1	7/8/05
Trichloroethene	BQL	0.00472	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00472	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00472	1	7/8/05
Trichlorofluoromethane	BQL	0.00472	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00472	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00472	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00472	1	7/8/05
Vinyl chloride	BQL	0.00472	1	7/8/05
m-,p-Xylene	BQL	0.00945	1	7/8/05
o-Xylene	BQL	0.00472	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0494	99
1,2-Dichloroethane-d4	0.05	0.0478	96
Toluene-d8	0.05	0.0517	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Trip Blank
Client Project ID: North State Milling
Lab Sample ID G161-2047-17A
Lab Project ID: G161-2047
Report Basis: 0.0

Analyzed By: JTF
Date Collected: 06-28-2005 00:00
Date Received: 6/30/05
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0500	1	7/12/05
Benzene	BQL	0.00500	1	7/12/05
Bromobenzene	BQL	0.00500	1	7/12/05
Bromochloromethane	BQL	0.00500	1	7/12/05
Bromodichloromethane	BQL	0.00500	1	7/12/05
Bromoform	BQL	0.00500	1	7/12/05
Bromomethane	BQL	0.00500	1	7/12/05
2-Butanone	BQL	0.0250	1	7/12/05
n-Butylbenzene	BQL	0.00500	1	7/12/05
sec-Butylbenzene	BQL	0.00500	1	7/12/05
tert-Butylbenzene	BQL	0.00500	1	7/12/05
Carbon disulfide	BQL	0.00500	1	7/12/05
Carbon tetrachloride	BQL	0.00500	1	7/12/05
Chlorobenzene	BQL	0.00500	1	7/12/05
Chloroethane	BQL	0.00500	1	7/12/05
Chloroform	BQL	0.00500	1	7/12/05
Chloromethane	BQL	0.00500	1	7/12/05
2-Chlorotoluene	BQL	0.00500	1	7/12/05
4-Chlorotoluene	BQL	0.00500	1	7/12/05
Dibromochloromethane	BQL	0.00500	1	7/12/05
1,2-Dibromo-3-chloropropane	BQL	0.00500	1	7/12/05
Dibromomethane	BQL	0.00500	1	7/12/05
1,2-Dibromoethane (EDB)	BQL	0.00500	1	7/12/05
1,2-Dichlorobenzene	BQL	0.00500	1	7/12/05
1,3-Dichlorobenzene	BQL	0.00500	1	7/12/05
1,4-Dichlorobenzene	BQL	0.00500	1	7/12/05
trans-1,4-Dichloro-2-butene	BQL	0.00500	1	7/12/05
1,1-Dichloroethane	BQL	0.00500	1	7/12/05
1,1-Dichloroethene	BQL	0.00500	1	7/12/05
1,2-Dichloroethane	BQL	0.00500	1	7/12/05
cis-1,2-Dichloroethene	BQL	0.00500	1	7/12/05
trans-1,2-dichloroethene	BQL	0.00500	1	7/12/05
1,2-Dichloropropane	BQL	0.00500	1	7/12/05
1,3-Dichloropropane	BQL	0.00500	1	7/12/05
2,2-Dichloropropane	BQL	0.00500	1	7/12/05
1,1-Dichloropropene	BQL	0.00500	1	7/12/05
cis-1,3-Dichloropropene	BQL	0.00500	1	7/12/05
trans-1,3-Dichloropropene	BQL	0.00500	1	7/12/05
Dichlorodifluoromethane	BQL	0.00500	1	7/12/05
Diisopropyl ether (DIPE)	BQL	0.00500	1	7/12/05
Ethylbenzene	BQL	0.00500	1	7/12/05
Hexachlorobutadiene	BQL	0.00500	1	7/12/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Trip Blank
Client Project ID: North State Milling
Lab Sample ID G161-2047-17A
Lab Project ID: G161-2047
Report Basis: 0.0

Analyzed By: JTF
Date Collected: 06-28-2005 00:00
Date Received: 6/30/05
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00500	1	7/12/05
Iodomethane	BQL	0.00500	1	7/12/05
Isopropylbenzene	BQL	0.00500	1	7/12/05
4-Isopropyltoluene	BQL	0.00500	1	7/12/05
Methylene chloride	BQL	0.0200	1	7/12/05
4-Methyl-2-pentanone	BQL	0.00500	1	7/12/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00500	1	7/12/05
Naphthalene	BQL	0.00500	1	7/12/05
n-Propyl benzene	BQL	0.00500	1	7/12/05
Styrene	BQL	0.00500	1	7/12/05
1,1,1,2-Tetrachloroethane	BQL	0.00500	1	7/12/05
1,1,2,2-Tetrachloroethane	BQL	0.00500	1	7/12/05
Tetrachloroethene	BQL	0.00500	1	7/12/05
Toluene	BQL	0.00500	1	7/12/05
1,2,3-Trichlorobenzene	BQL	0.00500	1	7/12/05
1,2,4-Trichlorobenzene	BQL	0.00500	1	7/12/05
Trichloroethene	BQL	0.00500	1	7/12/05
1,1,1-Trichloroethane	BQL	0.00500	1	7/12/05
1,1,2-Trichloroethane	BQL	0.00500	1	7/12/05
Trichlorofluoromethane	BQL	0.00500	1	7/12/05
1,2,3-Trichloropropane	BQL	0.00500	1	7/12/05
1,2,4-Trimethylbenzene	BQL	0.00500	1	7/12/05
1,3,5-Trimethylbenzene	BQL	0.00500	1	7/12/05
Vinyl chloride	BQL	0.00500	1	7/12/05
m-,p-Xylene	BQL	0.0100	1	7/12/05
o-Xylene	BQL	0.00500	1	7/12/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0486	97
1,2-Dichloroethane-d4	0.05	0.0531	106
Toluene-d8	0.05	0.0484	97

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260B

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK1070205B
Lab Project ID:

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

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Acetone	BQL	25.0	1	7/2/05
Benzene	BQL	1.00	1	7/2/05
Bromobenzene	BQL	1.00	1	7/2/05
Bromochloromethane	BQL	1.00	1	7/2/05
Bromodichloromethane	BQL	1.00	1	7/2/05
Bromoform	BQL	1.00	1	7/2/05
Bromomethane	BQL	1.00	1	7/2/05
2-Butanone	BQL	25.0	1	7/2/05
n-Butylbenzene	BQL	1.00	1	7/2/05
sec-Butylbenzene	BQL	1.00	1	7/2/05
tert-Butylbenzene	BQL	1.00	1	7/2/05
Carbon disulfide	BQL	1.00	1	7/2/05
Carbon tetrachloride	BQL	1.00	1	7/2/05
Chlorobenzene	BQL	1.00	1	7/2/05
Chloroethane	BQL	1.00	1	7/2/05
Chloroform	BQL	1.00	1	7/2/05
Chloromethane	BQL	1.00	1	7/2/05
2-Chlorotoluene	BQL	1.00	1	7/2/05
4-Chlorotoluene	BQL	1.00	1	7/2/05
Dibromochloromethane	BQL	1.00	1	7/2/05
1,2-Dibromo-3-chloropropane	BQL	5.00	1	7/2/05
Dibromomethane	BQL	1.00	1	7/2/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/2/05
1,2-Dichlorobenzene	BQL	1.00	1	7/2/05
1,3-Dichlorobenzene	BQL	1.00	1	7/2/05
1,4-Dichlorobenzene	BQL	1.00	1	7/2/05
trans-1,4-Dichloro-2-butene	BQL	5.00	1	7/2/05
1,1-Dichloroethane	BQL	1.00	1	7/2/05
1,1-Dichloroethene	BQL	1.00	1	7/2/05
1,2-Dichloroethane	BQL	1.00	1	7/2/05
cis-1,2-Dichloroethene	BQL	1.00	1	7/2/05
trans-1,2-dichloroethene	BQL	1.00	1	7/2/05
1,2-Dichloropropane	BQL	1.00	1	7/2/05
1,3-Dichloropropane	BQL	1.00	1	7/2/05
2,2-Dichloropropane	BQL	1.00	1	7/2/05
1,1-Dichloropropene	BQL	1.00	1	7/2/05
cis-1,3-Dichloropropene	BQL	1.00	1	7/2/05
trans-1,3-Dichloropropene	BQL	1.00	1	7/2/05
Dichlorodifluoromethane	BQL	5.00	1	7/2/05
Diisopropyl ether (DIPE)	BQL	1.00	1	7/2/05
Ethylbenzene	BQL	1.00	1	7/2/05
Hexachlorobutadiene	BQL	1.00	1	7/2/05

Results for Volatiles
by GCMS 8260B

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK1070205B
Lab Project ID:

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

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
2-Hexanone	BQL	5.00	1	7/2/05
Iodomethane	BQL	1.00	1	7/2/05
Isopropylbenzene	BQL	1.00	1	7/2/05
4-Isopropyltoluene	BQL	1.00	1	7/2/05
Methylene chloride	BQL	5.00	1	7/2/05
4-Methyl-2-pentanone	BQL	5.00	1	7/2/05
Methyl-tert-butyl ether (MTBE)	BQL	1.00	1	7/2/05
Naphthalene	BQL	1.00	1	7/2/05
n-Propyl benzene	BQL	1.00	1	7/2/05
Styrene	BQL	1.00	1	7/2/05
1,1,1,2-Tetrachloroethane	BQL	1.00	1	7/2/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/2/05
Tetrachloroethene	BQL	1.00	1	7/2/05
Toluene	BQL	1.00	1	7/2/05
1,2,3-Trichlorobenzene	BQL	1.00	1	7/2/05
1,2,4-Trichlorobenzene	BQL	1.00	1	7/2/05
Trichloroethene	BQL	1.00	1	7/2/05
1,1,1-Trichloroethane	BQL	1.00	1	7/2/05
1,1,2-Trichloroethane	BQL	1.00	1	7/2/05
Trichlorofluoromethane	BQL	1.00	1	7/2/05
1,2,3-Trichloropropane	BQL	1.00	1	7/2/05
1,2,4-Trimethylbenzene	BQL	1.00	1	7/2/05
1,3,5-Trimethylbenzene	BQL	1.00	1	7/2/05
Vinyl chloride	BQL	1.00	1	7/2/05
m-,p-Xylene	BQL	2.00	1	7/2/05
o-Xylene	BQL	1.00	1	7/2/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	9.91	99
1,2-Dichloroethane-d4	10	11.2	112
Toluene-d8	10	10.1	101

Comments:

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

Reviewed By: _____

Results for LCS/LCS Dup
by GC/MS

Client Project ID: Batch QC
Lab Sample ID: LCS1070205b
Batch ID: 1070205

Date Analyzed: 2 Jul 2005 9:27 am
Matrix: water
Analyzed By: jtf

Compound	Unspiked Sample ug/L	Spike conc. ug/L	Recovered LCS %	Recovered LCSdup %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	BQL	5	104.7	107.7	77.4	123	2.8	30
chlorobenzene	BQL	5	94.6	97.3	72.5	128	2.8	30
1,1-dichloroethene	BQL	5	100.5	106.0	71.7	128	5.3	30
toluene	BQL	5	98.5	103.8	75.9	124	5.2	30
trichloroethene	BQL	5	98.1	103.4	77.9	122	5.2	30

Comments:

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

Flags:

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

Reviewed By: _____

VO43.072303.1

Results for MS/MSD
by GC/MS

Client Project ID: Batch QC
Lab Sample ID: G145-1111-4d x500
Batch ID: 1070205

Date Analyzed: 2 Jul 2005 7:33 pm
Matrix: water
Analyzed By: jtf

Compound	Unspiked Sample ug/L	Spike conc. ug/L	Recovered MS %	Recovered MSD %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	BQL	5	95.9	106.6	61.6	135	10.6	30
chlorobenzene	BQL	5	81.1	92.1	77.2	118	12.8	30
1,1-dichloroethene	BQL	5	91.8	102.9	64.4	130	11.4	30
toluene	BQL	5	93.7	103.3	66.4	128	9.8	30
trichloroethene	BQL	5	104.0	115.4	84.9	136	10.4	30

Comments:

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

Flags:

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

Reviewed By: _____

VO43.072303.1

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK1070705B
Lab Project ID:
Report Basis: Dry Weight

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

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	50.0	1	7/7/05
Benzene	BQL	5.00	1	7/7/05
Bromobenzene	BQL	5.00	1	7/7/05
Bromochloromethane	BQL	5.00	1	7/7/05
Bromodichloromethane	BQL	5.00	1	7/7/05
Bromoform	BQL	5.00	1	7/7/05
Bromomethane	BQL	5.00	1	7/7/05
2-Butanone	BQL	25.0	1	7/7/05
n-Butylbenzene	BQL	5.00	1	7/7/05
sec-Butylbenzene	BQL	5.00	1	7/7/05
tert-Butylbenzene	BQL	5.00	1	7/7/05
Carbon disulfide	BQL	5.00	1	7/7/05
Carbon tetrachloride	BQL	5.00	1	7/7/05
Chlorobenzene	BQL	5.00	1	7/7/05
Chloroethane	BQL	5.00	1	7/7/05
Chloroform	BQL	5.00	1	7/7/05
Chloromethane	BQL	5.00	1	7/7/05
2-Chlorotoluene	BQL	5.00	1	7/7/05
4-Chlorotoluene	BQL	5.00	1	7/7/05
Dibromochloromethane	BQL	5.00	1	7/7/05
1,2-Dibromo-3-chloropropane	BQL	5.00	1	7/7/05
Dibromomethane	BQL	5.00	1	7/7/05
1,2-Dibromoethane (EDB)	BQL	5.00	1	7/7/05
1,2-Dichlorobenzene	BQL	5.00	1	7/7/05
1,3-Dichlorobenzene	BQL	5.00	1	7/7/05
1,4-Dichlorobenzene	BQL	5.00	1	7/7/05
trans-1,4-Dichloro-2-butene	BQL	5.00	1	7/7/05
1,1-Dichloroethane	BQL	5.00	1	7/7/05
1,1-Dichloroethene	BQL	5.00	1	7/7/05
1,2-Dichloroethane	BQL	5.00	1	7/7/05
cis-1,2-Dichloroethene	BQL	5.00	1	7/7/05
trans-1,2-dichloroethene	BQL	5.00	1	7/7/05
1,2-Dichloropropane	BQL	5.00	1	7/7/05
1,3-Dichloropropane	BQL	5.00	1	7/7/05
2,2-Dichloropropane	BQL	5.00	1	7/7/05
1,1-Dichloropropene	BQL	5.00	1	7/7/05
cis-1,3-Dichloropropene	BQL	5.00	1	7/7/05
trans-1,3-Dichloropropene	BQL	5.00	1	7/7/05
Dichlorodifluoromethane	BQL	5.00	1	7/7/05
Diisopropyl ether (DIPE)	BQL	5.00	1	7/7/05
Ethylbenzene	BQL	5.00	1	7/7/05
Hexachlorobutadiene	BQL	5.00	1	7/7/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK1070705B
Lab Project ID:
Report Basis: Dry Weight

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

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	5.00	1	7/7/05
Iodomethane	BQL	5.00	1	7/7/05
Isopropylbenzene	BQL	5.00	1	7/7/05
4-Isopropyltoluene	BQL	5.00	1	7/7/05
Methylene chloride	BQL	20.0	1	7/7/05
4-Methyl-2-pentanone	BQL	5.00	1	7/7/05
Methyl-tert-butyl ether (MTBE)	BQL	5.00	1	7/7/05
Naphthalene	BQL	5.00	1	7/7/05
n-Propyl benzene	BQL	5.00	1	7/7/05
Styrene	BQL	5.00	1	7/7/05
1,1,1,2-Tetrachloroethane	BQL	5.00	1	7/7/05
1,1,2,2-Tetrachloroethane	BQL	5.00	1	7/7/05
Tetrachloroethene	BQL	5.00	1	7/7/05
Toluene	BQL	5.00	1	7/7/05
1,2,3-Trichlorobenzene	BQL	5.00	1	7/7/05
1,2,4-Trichlorobenzene	BQL	5.00	1	7/7/05
Trichloroethene	BQL	5.00	1	7/7/05
1,1,1-Trichloroethane	BQL	5.00	1	7/7/05
1,1,2-Trichloroethane	BQL	5.00	1	7/7/05
Trichlorofluoromethane	BQL	5.00	1	7/7/05
1,2,3-Trichloropropane	BQL	5.00	1	7/7/05
1,2,4-Trimethylbenzene	BQL	5.00	1	7/7/05
1,3,5-Trimethylbenzene	BQL	5.00	1	7/7/05
Vinyl chloride	BQL	5.00	1	7/7/05
m-,p-Xylene	BQL	10.0	1	7/7/05
o-Xylene	BQL	5.00	1	7/7/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	48.5	97
1,2-Dichloroethane-d4	50	49	98
Toluene-d8	50	49.8	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

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

Client Project ID: Batch QC
Lab Sample ID: LCS3070705b
Batch ID: 3070705

Date Analyzed: 7 Jul 2005 6:33 am
Matrix: Soil
Analyzed By: RNP

Compound	Spike conc. ug/L	Recovered LCS %	Recovered LCSD %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	100	87.9	100.6	77.6	122	13.4	30
chlorobenzene	100	94.7	105.4	75.3	125	10.6	30
1,1-dichloroethene	100	88.6	103.2	78.5	121	15.2	30
toluene	100	91.4	106.1	75.7	124	14.9	30
trichloroethene	100	89.9	103.3	60.8	139	13.9	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

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

Client Project ID: Batch QC
Lab Sample ID: G161-2047-14a
Batch ID: 3070705

Date Analyzed: 7 Jul 2005 3:57 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	0.9	100	71.7 *	16.9 *	74.8	133	123.8 *	30
chlorobenzene	BQL	100	57.6 *	4.1 *	66.3	135	173.2 *	30
1,1-dichloroethene	BQL	100	88.8	45.3 *	72.0	135	64.9 *	30
toluene	3.3	100	65.0 *	3.0 *	70.5	138	182.6 *	30
trichloroethene	BQL	100	67.5	8.4 *	60.7	152	155.9 *	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

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK3070705D
Lab Project ID:
Report Basis: Dry Weight

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

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	50.0	1	7/7/05
Benzene	BQL	5.00	1	7/7/05
Bromobenzene	BQL	5.00	1	7/7/05
Bromochloromethane	BQL	5.00	1	7/7/05
Bromodichloromethane	BQL	5.00	1	7/7/05
Bromoform	BQL	5.00	1	7/7/05
Bromomethane	BQL	5.00	1	7/7/05
2-Butanone	BQL	25.0	1	7/7/05
n-Butylbenzene	BQL	5.00	1	7/7/05
sec-Butylbenzene	BQL	5.00	1	7/7/05
tert-Butylbenzene	BQL	5.00	1	7/7/05
Carbon disulfide	BQL	5.00	1	7/7/05
Carbon tetrachloride	BQL	5.00	1	7/7/05
Chlorobenzene	BQL	5.00	1	7/7/05
Chloroethane	BQL	5.00	1	7/7/05
Chloroform	BQL	5.00	1	7/7/05
Chloromethane	BQL	5.00	1	7/7/05
2-Chlorotoluene	BQL	5.00	1	7/7/05
4-Chlorotoluene	BQL	5.00	1	7/7/05
Dibromochloromethane	BQL	5.00	1	7/7/05
1,2-Dibromo-3-chloropropane	BQL	5.00	1	7/7/05
Dibromomethane	BQL	5.00	1	7/7/05
1,2-Dibromoethane (EDB)	BQL	5.00	1	7/7/05
1,2-Dichlorobenzene	BQL	5.00	1	7/7/05
1,3-Dichlorobenzene	BQL	5.00	1	7/7/05
1,4-Dichlorobenzene	BQL	5.00	1	7/7/05
trans-1,4-Dichloro-2-butene	BQL	5.00	1	7/7/05
1,1-Dichloroethane	BQL	5.00	1	7/7/05
1,1-Dichloroethene	BQL	5.00	1	7/7/05
1,2-Dichloroethane	BQL	5.00	1	7/7/05
cis-1,2-Dichloroethene	BQL	5.00	1	7/7/05
trans-1,2-dichloroethene	BQL	5.00	1	7/7/05
1,2-Dichloropropane	BQL	5.00	1	7/7/05
1,3-Dichloropropane	BQL	5.00	1	7/7/05
2,2-Dichloropropane	BQL	5.00	1	7/7/05
1,1-Dichloropropene	BQL	5.00	1	7/7/05
cis-1,3-Dichloropropene	BQL	5.00	1	7/7/05
trans-1,3-Dichloropropene	BQL	5.00	1	7/7/05
Dichlorodifluoromethane	BQL	5.00	1	7/7/05
Diisopropyl ether (DIPE)	BQL	5.00	1	7/7/05
Ethylbenzene	BQL	5.00	1	7/7/05
Hexachlorobutadiene	BQL	5.00	1	7/7/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK3070705D
Lab Project ID:
Report Basis: Dry Weight

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

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	5.00	1	7/7/05
Iodomethane	BQL	5.00	1	7/7/05
Isopropylbenzene	BQL	5.00	1	7/7/05
4-Isopropyltoluene	BQL	5.00	1	7/7/05
Methylene chloride	BQL	20.0	1	7/7/05
4-Methyl-2-pentanone	BQL	5.00	1	7/7/05
Methyl-tert-butyl ether (MTBE)	BQL	5.00	1	7/7/05
Naphthalene	BQL	5.00	1	7/7/05
n-Propyl benzene	BQL	5.00	1	7/7/05
Styrene	BQL	5.00	1	7/7/05
1,1,1,2-Tetrachloroethane	BQL	5.00	1	7/7/05
1,1,2,2-Tetrachloroethane	BQL	5.00	1	7/7/05
Tetrachloroethene	BQL	5.00	1	7/7/05
Toluene	BQL	5.00	1	7/7/05
1,2,3-Trichlorobenzene	BQL	5.00	1	7/7/05
1,2,4-Trichlorobenzene	BQL	5.00	1	7/7/05
Trichloroethene	BQL	5.00	1	7/7/05
1,1,1-Trichloroethane	BQL	5.00	1	7/7/05
1,1,2-Trichloroethane	BQL	5.00	1	7/7/05
Trichlorofluoromethane	BQL	5.00	1	7/7/05
1,2,3-Trichloropropane	BQL	5.00	1	7/7/05
1,2,4-Trimethylbenzene	BQL	5.00	1	7/7/05
1,3,5-Trimethylbenzene	BQL	5.00	1	7/7/05
Vinyl chloride	BQL	5.00	1	7/7/05
m-,p-Xylene	BQL	10.0	1	7/7/05
o-Xylene	BQL	5.00	1	7/7/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	49	98
1,2-Dichloroethane-d4	50	53.1	106
Toluene-d8	50	50.1	100

Comments:

Flags:
BQL = Below Quantitation Limits

Reviewed By:

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

Client Project ID: Batch QC
Lab Sample ID: LCS3070705d
Batch ID: 3070705

Date Analyzed: 7 Jul 2005 7:04 pm
Matrix: Soil
Analyzed By: RNP

Compound	Spike conc. ug/L	Recovered LCS %	Recovered LCSD %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	100	105.3	109.0	77.6	122	3.4	30
chlorobenzene	100	108.0	115.2	75.3	125	6.5	30
1,1-dichloroethene	100	111.9	111.5	78.5	121	0.3	30
toluene	100	110.9	114.9	75.7	124	3.5	30
trichloroethene	100	108.4	112.7	60.8	139	3.9	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

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

Client Project ID: Batch QC
Lab Sample ID: G510-233-4c
Batch ID: 3070705

Date Analyzed: 8 Jul 2005 3:56 am
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	BQL	100	76.3	75.4	74.8	133	1.1	30
chlorobenzene	BQL	100	44.1 *	47.0 *	66.3	135	6.3	30
1,1-dichloroethene	BQL	100	90.1	88.6	72.0	135	1.7	30
toluene	0.8	100	55.6 *	57.3 *	70.5	138	3.0	30
trichloroethene	BQL	100	62.4	63.9	60.7	152	2.3	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

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 UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	50.0	1	7/8/05
Benzene	BQL	5.00	1	7/8/05
Bromobenzene	BQL	5.00	1	7/8/05
Bromochloromethane	BQL	5.00	1	7/8/05
Bromodichloromethane	BQL	5.00	1	7/8/05
Bromoform	BQL	5.00	1	7/8/05
Bromomethane	BQL	5.00	1	7/8/05
2-Butanone	BQL	25.0	1	7/8/05
n-Butylbenzene	BQL	5.00	1	7/8/05
sec-Butylbenzene	BQL	5.00	1	7/8/05
tert-Butylbenzene	BQL	5.00	1	7/8/05
Carbon disulfide	BQL	5.00	1	7/8/05
Carbon tetrachloride	BQL	5.00	1	7/8/05
Chlorobenzene	BQL	5.00	1	7/8/05
Chloroethane	BQL	5.00	1	7/8/05
Chloroform	BQL	5.00	1	7/8/05
Chloromethane	BQL	5.00	1	7/8/05
2-Chlorotoluene	BQL	5.00	1	7/8/05
4-Chlorotoluene	BQL	5.00	1	7/8/05
Dibromochloromethane	BQL	5.00	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL	5.00	1	7/8/05
Dibromomethane	BQL	5.00	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	5.00	1	7/8/05
1,2-Dichlorobenzene	BQL	5.00	1	7/8/05
1,3-Dichlorobenzene	BQL	5.00	1	7/8/05
1,4-Dichlorobenzene	BQL	5.00	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL	5.00	1	7/8/05
1,1-Dichloroethane	BQL	5.00	1	7/8/05
1,1-Dichloroethene	BQL	5.00	1	7/8/05
1,2-Dichloroethane	BQL	5.00	1	7/8/05
cis-1,2-Dichloroethene	BQL	5.00	1	7/8/05
trans-1,2-dichloroethene	BQL	5.00	1	7/8/05
1,2-Dichloropropane	BQL	5.00	1	7/8/05
1,3-Dichloropropane	BQL	5.00	1	7/8/05
2,2-Dichloropropane	BQL	5.00	1	7/8/05
1,1-Dichloropropene	BQL	5.00	1	7/8/05
cis-1,3-Dichloropropene	BQL	5.00	1	7/8/05
trans-1,3-Dichloropropene	BQL	5.00	1	7/8/05
Dichlorodifluoromethane	BQL	5.00	1	7/8/05
Diisopropyl ether (DIPE)	BQL	5.00	1	7/8/05
Ethylbenzene	BQL	5.00	1	7/8/05
Hexachlorobutadiene	BQL	5.00	1	7/8/05

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 UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	5.00	1	7/8/05
Iodomethane	BQL	5.00	1	7/8/05
Isopropylbenzene	BQL	5.00	1	7/8/05
4-Isopropyltoluene	BQL	5.00	1	7/8/05
Methylene chloride	BQL	20.0	1	7/8/05
4-Methyl-2-pentanone	BQL	5.00	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	5.00	1	7/8/05
Naphthalene	BQL	5.00	1	7/8/05
n-Propyl benzene	BQL	5.00	1	7/8/05
Styrene	BQL	5.00	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	5.00	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	5.00	1	7/8/05
Tetrachloroethene	BQL	5.00	1	7/8/05
Toluene	BQL	5.00	1	7/8/05
1,2,3-Trichlorobenzene	BQL	5.00	1	7/8/05
1,2,4-Trichlorobenzene	BQL	5.00	1	7/8/05
Trichloroethene	BQL	5.00	1	7/8/05
1,1,1-Trichloroethane	BQL	5.00	1	7/8/05
1,1,2-Trichloroethane	BQL	5.00	1	7/8/05
Trichlorofluoromethane	BQL	5.00	1	7/8/05
1,2,3-Trichloropropane	BQL	5.00	1	7/8/05
1,2,4-Trimethylbenzene	BQL	5.00	1	7/8/05
1,3,5-Trimethylbenzene	BQL	5.00	1	7/8/05
Vinyl chloride	BQL	5.00	1	7/8/05
m-,p-Xylene	BQL	10.0	1	7/8/05
o-Xylene	BQL	5.00	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	49	98
1,2-Dichloroethane-d4	50	50.6	101
Toluene-d8	50	48.4	97

Comments:

Flags:
BQL = Below Quantitation Limits

Reviewed By: _____

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

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:

VO41 072303.1

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK3071205C
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected:
Date Received:
Matrix: Soil
%Solids: 100 0

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	50.0	1	7/12/05
Benzene	BQL	5.00	1	7/12/05
Bromobenzene	BQL	5.00	1	7/12/05
Bromochloromethane	BQL	5.00	1	7/12/05
Bromodichloromethane	BQL	5.00	1	7/12/05
Bromoform	BQL	5.00	1	7/12/05
Bromomethane	BQL	5.00	1	7/12/05
2-Butanone	BQL	25.0	1	7/12/05
n-Butylbenzene	BQL	5.00	1	7/12/05
sec-Butylbenzene	BQL	5.00	1	7/12/05
tert-Butylbenzene	BQL	5.00	1	7/12/05
Carbon disulfide	BQL	5.00	1	7/12/05
Carbon tetrachloride	BQL	5.00	1	7/12/05
Chlorobenzene	BQL	5.00	1	7/12/05
Chloroethane	BQL	5.00	1	7/12/05
Chloroform	BQL	5.00	1	7/12/05
Chloromethane	BQL	5.00	1	7/12/05
2-Chlorotoluene	BQL	5.00	1	7/12/05
4-Chlorotoluene	BQL	5.00	1	7/12/05
Dibromochloromethane	BQL	5.00	1	7/12/05
1,2-Dibromo-3-chloropropane	BQL	5.00	1	7/12/05
Dibromomethane	BQL	5.00	1	7/12/05
1,2-Dibromoethane (EDB)	BQL	5.00	1	7/12/05
1,2-Dichlorobenzene	BQL	5.00	1	7/12/05
1,3-Dichlorobenzene	BQL	5.00	1	7/12/05
1,4-Dichlorobenzene	BQL	5.00	1	7/12/05
trans-1,4-Dichloro-2-butene	BQL	5.00	1	7/12/05
1,1-Dichloroethane	BQL	5.00	1	7/12/05
1,1-Dichloroethene	BQL	5.00	1	7/12/05
1,2-Dichloroethane	BQL	5.00	1	7/12/05
cis-1,2-Dichloroethene	BQL	5.00	1	7/12/05
trans-1,2-dichloroethene	BQL	5.00	1	7/12/05
1,2-Dichloropropane	BQL	5.00	1	7/12/05
1,3-Dichloropropane	BQL	5.00	1	7/12/05
2,2-Dichloropropane	BQL	5.00	1	7/12/05
1,1-Dichloropropene	BQL	5.00	1	7/12/05
cis-1,3-Dichloropropene	BQL	5.00	1	7/12/05
trans-1,3-Dichloropropene	BQL	5.00	1	7/12/05
Dichlorodifluoromethane	BQL	5.00	1	7/12/05
Diisopropyl ether (DIPE)	BQL	5.00	1	7/12/05
Ethylbenzene	BQL	5.00	1	7/12/05
Hexachlorobutadiene	BQL	5.00	1	7/12/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK3071205C
Lab Project ID:
Report Basis: Dry Weight

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

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	5.00	1	7/12/05
Iodomethane	BQL	5.00	1	7/12/05
Isopropylbenzene	BQL	5.00	1	7/12/05
4-Isopropyltoluene	BQL	5.00	1	7/12/05
Methylene chloride	BQL	20.0	1	7/12/05
4-Methyl-2-pentanone	BQL	5.00	1	7/12/05
Methyl-tert-butyl ether (MTBE)	BQL	5.00	1	7/12/05
Naphthalene	BQL	5.00	1	7/12/05
n-Propyl benzene	BQL	5.00	1	7/12/05
Styrene	BQL	5.00	1	7/12/05
1,1,1,2-Tetrachloroethane	BQL	5.00	1	7/12/05
1,1,2,2-Tetrachloroethane	BQL	5.00	1	7/12/05
Tetrachloroethene	BQL	5.00	1	7/12/05
Toluene	BQL	5.00	1	7/12/05
1,2,3-Trichlorobenzene	BQL	5.00	1	7/12/05
1,2,4-Trichlorobenzene	BQL	5.00	1	7/12/05
Trichloroethene	BQL	5.00	1	7/12/05
1,1,1-Trichloroethane	BQL	5.00	1	7/12/05
1,1,2-Trichloroethane	BQL	5.00	1	7/12/05
Trichlorofluoromethane	BQL	5.00	1	7/12/05
1,2,3-Trichloropropane	BQL	5.00	1	7/12/05
1,2,4-Trimethylbenzene	BQL	5.00	1	7/12/05
1,3,5-Trimethylbenzene	BQL	5.00	1	7/12/05
Vinyl chloride	BQL	5.00	1	7/12/05
m-,p-Xylene	BQL	10.0	1	7/12/05
o-Xylene	BQL	5.00	1	7/12/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	48.8	98
1,2-Dichloroethane-d4	50	56.4	113
Toluene-d8	50	48.2	96

Comments:

Flags:
BQL = Below Quantitation Limits

Reviewed By:

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

Client Project ID: Batch QC
Lab Sample ID: lcs3071105b
Batch ID: 3071205

Date Analyzed: 12 Jul 2005 9:16 am
Matrix: Soil
Analyzed By: JTF

Compound	Spike conc. ug/L	Recovered LCS %	Recovered LCSD %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	100	101.3	103.7	77.6	122	2.4	30
chlorobenzene	100	104.9	108.6	75.3	125	3.5	30
1,1-dichloroethene	100	104.1	105.3	78.5	121	1.1	30
toluene	100	97.1	101.5	75.7	124	4.5	30
trichloroethene	100	103.5	105.2	60.8	139	1.6	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

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

Client Project ID: Batch QC
Lab Sample ID: g161-2048-7a
Batch ID: 3071205

Date Analyzed: 12 Jul 2005 7:03 pm
Matrix: Soil
Analyzed By: JTF

Compound	Unspiked Sample ug/L	Spike conc. ug/L	Recovered MS %	Recovered MSD %	Limits Lower %	Limits Upper %	RPD %	RPD Limit %
benzene	1.4	100	99.8	109.9	74.8	133	9.6	30
chlorobenzene	BQL	100	104.9	113.4	66.3	135	7.8	30
1,1-dichloroethene	BQL	100	125.7	140.2 *	72.0	135	10.9	30
toluene	1.3	100	99.0	107.2	70.5	138	8.0	30
trichloroethene	BQL	100	103.4	112.9	60.7	152	8.8	30

Comments:

Concentrations are on column amounts
Concentration Units: ug/L

Flags:

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

Reviewed By: [illegible]

VO41.072303.1

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

Ms. Johli Carscallen
Richard Catlin & Associates
220 Old Dairy Rd.
Wilmington NC 28405

Report Number: G128-1592

Client Project: Caroknit

Dear Ms. Carscallen:

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.

9/9/05

Laboratory Director Date
J. Patrick Weaver

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

Results for Metals

Client Sample ID:	MW-1R	Analyzed By:	PSW
Client Project ID:	Caroknit	Date Collected:	8/24/2005 11:58
Lab Sample ID:	G128-1592-1	Date Received:	8/25/2005
Lab Project ID:	G128-1592	Matrix:	WATER
Batch ID:	3541		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Arsenic	**0.0964**	0.0100	0.00929	1	MG/L	6010B	8/29/2005	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3.3

Results for Metals

Client Sample ID:	MW-1R Dup	Analyzed By:	PSW
Client Project ID:	Caroknit	Date Collected:	8/24/2005 11:58
Lab Sample ID:	G128-1592-2	Date Received:	8/25/2005
Lab Project ID:	G128-1592	Matrix:	WATER
Batch ID:	3541		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Arsenic	BQL	0.0100	0.00929	1	MG/L	6010B	8/29/2005	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3.3

Results for Metals

Client Sample ID:	MW-2	Analyzed By:	PSW
Client Project ID:	Caroknit	Date Collected:	8/24/2005 15:20
Lab Sample ID:	G128-1592-3	Date Received:	8/25/2005
Lab Project ID:	G128-1592	Matrix:	WATER
Batch ID:	3541		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Arsenic	**0.0275**	0.0100	0.00929	1	MG/L	6010B	8/29/2005	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3.3

Results for Metals

Client Sample ID:	MW-3R	Analyzed By:	PSW
Client Project ID:	Caroknit	Date Collected:	8/24/2005 14:32
Lab Sample ID:	G128-1592-4	Date Received:	8/25/2005
Lab Project ID:	G128-1592	Matrix:	WATER
Batch ID:	3541		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Arsenic	BQL	0.0100	0.00929	1	MG/L	6010B	8/29/2005	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3 3

Results for Metals

Client Sample ID:	MW-6	Analyzed By:	PSW
Client Project ID:	Caroknit	Date Collected:	8/24/2005 17:10
Lab Sample ID:	G128-1592-5	Date Received:	8/25/2005
Lab Project ID:	G128-1592	Matrix:	WATER
Batch ID:	3541		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Arsenic	BQL	0.0100	0.00929	1	MG/L	6010B	8/29/2005	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_33

Results for Metals

Client Sample ID:	MW-9	Analyzed By:	PSW
Client Project ID:	Caroknit	Date Collected:	8/24/2005 14:03
Lab Sample ID:	G128-1592-6	Date Received:	8/25/2005
Lab Project ID:	G128-1592	Matrix:	WATER
Batch ID:	3541		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Arsenic	BQL	0.0100	0.00929	1	MG/L	6010B	8/29/2005	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount In Prep Blank > RL

Reviewed By: _____
MET_LIMS_3 3

Results for Metals

Client Sample ID:	Upstream	Analyzed By:	PSW
Client Project ID:	Caroknit	Date Collected:	8/24/2005 11:20
Lab Sample ID:	G128-1592-7	Date Received:	8/25/2005
Lab Project ID:	G128-1592	Matrix:	WATER
Batch ID:	3541		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Arsenic	BQL	0.0100	0.00929	1	MG/L	6010B	8/29/2005	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3.3

Results for Metals

Client Sample ID:	Downstream	Analyzed By:	PSW
Client Project ID:	Caroknit	Date Collected:	8/24/2005 12:45
Lab Sample ID:	G128-1592-8	Date Received:	8/25/2005
Lab Project ID:	G128-1592	Matrix:	WATER
Batch ID:	3541		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Arsenic	BQL	0.0100	0.00929	1	MG/L	6010B	8/29/2005	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3.3

Results for Metals

Client Sample ID:	RW-1	Analyzed By:	PSW
Client Project ID:	Caroknit	Date Collected:	8/24/2005 12:41
Lab Sample ID:	G128-1592-9	Date Received:	8/25/2005
Lab Project ID:	G128-1592	Matrix:	WATER
Batch ID:	3541		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Arsenic	BQL	0.0100	0.00929	1	MG/L	6010B	8/29/2005	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3.3

Results for Metals

Client Sample ID:	MW-8	Analyzed By:	PSW
Client Project ID:	Caroknit	Date Collected:	8/24/2005 16:15
Lab Sample ID:	G128-1592-10	Date Received:	8/25/2005
Lab Project ID:	G128-1592	Matrix:	WATER
Batch ID:	3541		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Arsenic	**0.0103**	0.0100	0.00929	1	MG/L	6010B	8/29/2005	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3.3

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.
2627 Northchase Parkway SE, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 29164

Page 1 **of** 1

Client: CATLIN **Project ID:** CAROKNIT **Date:** 8/24/05 **Report To:** Johli
Address: **Contact:** Johli CARSCALLEN **Turnaround:** STD
Address: **Phone:** 910 452-5841 **Job Number:** 198-058
Quote #: **Fax:** 910 452-7563 **P.O. Number:** P2508225-2 **Invoice To:** Shiela e CATLIN

PARADIGM ANALYTICAL LABORATORIES, INC.

Sample ID	Date	Time	Matrix	Preservatives: HCl	Preservatives: HNO3			Analyses: Arsenic										Comments: Please specify any special reporting requirements
																		G128-1592
MW-1R	8/24/05	1158	GW	X	X			X										
MW-1R DUP		1158		X	X			X										
MW-2		1520		X	X			X										
MW-3R		1432		X	X			X										
MW-6		1710		X	X			X										
MW-9		1403		X	X			X										
Upstream		1120	SW	X	X			X										
Downstream		1245	SW	X	X			X										
RW-1		1241	GW	X	X			X										
MW-8		1615	GW	X	X			X										

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
Johli Carscallen	8/25/05	1050	[illegible]	8/25/05	1050	on ice 5.8°C	NC X SC ____ Other ____

SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

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

Paradigm Analytical Laboratories, INC.

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK1070705B	100	97	98		0
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

	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.

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) MED

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	NS1-5	112	89	113		0
02	G145-1111-4D	102	98	113		0
03	G145-1111-4D MS	102	98.0	112		0
04	G145-1111-4D MSD	102	98.0	114		1
05	LCS1070205A	101	98.0	111		0
06	VBLK1070205B	101	99	112		0
07	NS2-5	106	87	112		0
08	NS4-5	102	98	110		0
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(70-130)
SMC2 (BFB) = Bromofluorobenzene	(70-130)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-130)

Column to be used to flag recovery values.

* Values outside of contract required QC limits.

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	NS1-12	101	95	93		0
02	G510-233-4B MS	104	101	92.0		0
03	G510-233-4B MSD	103	96.0	92.0		0
04	G510-233-4C	102	99	94		0
05	LCS3070705D	101	20.0 *	94.0		1
06	VBLK3070705D	100	98	106		0
07	NS2-10	101	96	94		0
08	NS2-10 (DUP)	102	96	87		0
09	NS2-15	103	101	94		0
10	NS2-18	100	97	89		0
11	NS3-5	103	101	101		0
12	G161-2047-15A MSD	103	110	98.0		0
13	G161-2047-15B MS	102	102	102		0
14	LCS3070805B	102	20.0 *	97.0		1
15	VBLK3070805B	97	98	101		0
16	NS3-10	103	97	104		0
17	NS3-15	103	97	104		0
18	NS3-18.5	102	100	107		0
19	NS4-10	101	97	106		0
20	G161-2047-14A MS	103	102	99.0		0
21	G161-2047-14A MSD	101	99.0	100		0
22	LCS3070705B	100	20.0 *	95.0		1
23	NS4-15	102	97	105		0
24	NS4-20	103	99	96		0
25	TRIP BLANK	97	97	106		0
26	G161-2048-7A	102	97	133		0
27	G161-2048-7B MS	100	103	95.0		0
28	G161-2048-7C MSD	97.0	91.0	99.0		0
29	LCS3071205B	99.0		115		0
30	VBLK3071205C	96	98	113		0

	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.

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.: G145-1111-4D

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	12500	18400	147 *	12500	20000	160 *	8.50	30	17.7-85.2
acrolein	BQL	62500	42800	68.5	62500	42800	68.4	0.0935	30	NA-424
acrylonitrile	BQL	62500	71800	115	62500	71400	114	0.537	30	85.0-175
benzene	BQL	2500	2390	95.8	2500	2660	107	10.7	30	61.6-135
bromobenzene	BQL	2500	1960	78.6	2500	2160	86.6	9.68	30	65.1-125
bromochloromethane	BQL	2500	2260	90.2	2500	2480	99.2	9.50	30	75.5-126
bromodichloromethane	BQL	2500	2360	94.4	2500	2640	105	11.0	30	74.3-123
bromoform	BQL	2500	1900	75.8	2500	2130	85.2	11.7	30	52.3-122
bromomethane	BQL	2500	3160	127	2500	3530	141	10.9	30	10.0-284
2-butanone	BQL	12500	16500	132 *	12500	18000	144 *	8.65	30	36.1-107
n-butylbenzene	BQL	2500	2660	107	2500	2980	119	11.0	30	70.2-124
sec-butylbenzene	BQL	2500	2390	95.8	2500	2720	108	12.5	30	62.0-133
tert-butylbenzene	BQL	2500	2490	99.6	2500	2780	111	10.8	30	73.5-121
Carbon disulfide	BQL	2500	2520	101	2500	2860	114	12.6	30	68.8-129
carbon tetrachloride	BQL	2500	2500	99.8	2500	2760	110	10.1	30	71.8-122
chlorobenzene	BQL	2500	2020	81.0	2500	2300	92.2	12.9	30	77.2-118
chloroethane	BQL	2500	2500	100	2500	2540	102	1.58	30	10.0-233
2-chloroethyl vinyl ether	BQL	6250	14400	230	6250	15600	250	8.41	30	NA-283
chloroform	BQL	2500	2420	96.8	2500	2680	107	10.4	30	74.0-128
chloromethane	BQL	2500	2250	90.0	2500	2450	98.0	8.51	30	72.0-138
2-chlorotoluene	BQL	2500	2550	102	2500	2830	113	10.6	30	79.3-118
4-chlorotoluene	BQL	2500	2260	90.2	2500	2510	101	10.9	30	76.8-120
dibromochloromethane	BQL	2500	2000	80.2	2500	2310	92.4	14.1	30	69.0-117
1,2-dibromo-3-chloropropane	BQL	12500	12600	101	12500	14600	117	15.0	30	20.2-171
1,2-dibromomethane	BQL	2500	2050	82.0	2500	2330	93.2	12.8	30	78.5-123
dibromomethane	BQL	2500	2270	90.8	2500	2600	104	13.6	30	71.3-137
1,2-dichlorobenzene	BQL	2500	2100	84.0	2500	2350	94.0	11.2	30	75.1-120
1,3-dichlorobenzene	BQL	2500	2080	83.2	2500	2340	93.6	11.8	30	73.1-121
1,4-dichlorobenzene	BQL	2500	2080	83.2	2500	2340	93.6	11.8	30	74.8-118
trans-1,4-Dichloro-2-butene	BQL	12500	11200	89.6	12500	13000	104	15.0	30	25.7-149
dichlorodifluoromethane	BQL	2500	2750	110	2500	2720	109	0.913	30	41.7-166
1,1-dichloroethane	BQL	2500	2360	94.6	2500	2660	107	11.9	30	75.6-128
1,2-dichloroethane	BQL	2500	2510	100	2500	2780	111	10.0	30	71.1-127
1,1-dichloroethene	BQL	2500	2300	91.8	2500	2580	103	11.5	30	64.4-130
cis-1,2-dichloroethene	BQL	2500	2190	87.8	2500	2500	99.8	12.8	30	72.7-134
trans-1,2-dichloroethene	BQL	2500	2250	90.0	2500	2540	101	11.9	30	74.6-124
1,2-dichloropropane	BQL	2500	2240	89.8	2500	2580	103	13.7	30	76.5-129
1,3-dichloropropane	BQL	2500	2220	89.0	2500	2500	100	11.8	30	79.1-121
2,2-dichloropropane	BQL	2500	1900	75.8	2500	2120	85.0	11.4	30	31.5-157
1,1-dichloropropene	BQL	2500	2460	98.6	2500	2750	110	11.1	30	72.5-120
cis-1,3-dichloropropene	BQL	2500	2360	94.4	2500	2640	106	11.2	30	66.6-132

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: 14 out of 144 outside of limits

COMMENTS: _____

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.: G145-1111-4D

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	2500	2300	92.0	2500	2550	102	10.3	30	44.7-144
Diisopropyl ether	BQL	2500	2480	99.0	2500	2790	112	12.1	30	79.4-122
ethylbenzene	BQL	2500	2350	94.0	2500	2620	105	11.0	30	73.8-126
hexachlorobutadiene	BQL	2500	1990	79.6	2500	2320	93.0	15.5	30	51.8-134
2-hexanone	BQL	12500	14600	116 *	12500	16900	135 *	14.9	30	41.6-111
Iodomethane	BQL	2500	3330	133 *	2500	3850	154 *	14.5	30	40.6-126
isopropylbenzene	840	2500	2500	100	2500	2810	112	11.7	30	74.3-123
4-isopropyltoluene	BQL	2500	2460	98.6	2500	2830	113	14.0	30	74.6-122
Methyl-tert-butyl ether	BQL	2500	2600	104	2500	2900	116	10.7	30	66.5-136
methylene chloride	BQL	2500	2320	93.0	2500	2610	104	11.6	30	48.6-155
4-methyl-2-pentanone	BQL	12500	12900	103	12500	14800	118	13.4	30	6.88-166
naphthalene	BQL	2500	2410	96.6	2500	2720	108	11.7	30	55.1-140
n-propyl benzene	2250	2500	3120	125	2500	3430	137 *	9.62	30	71.6-128
styrene	BQL	2500	2140	85.4	2500	2400	96.0	11.7	30	73.2-123
1,1,1,2-tetrachloroethane	BQL	2500	2050	82.0	2500	2380	95.0	14.7	30	69.4-120
1,1,2,2-tetrachloroethane	BQL	2500	1920	76.6	2500	2100	83.8	8.98	30	75.7-136
tetrachloroethene	BQL	2500	1950	78.2	2500	2190	87.8	11.6	30	45.8-153
toluene	BQL	2500	2290	91.6	2500	2530	101	9.96	30	66.4-128
1,2,3-trichlorobenzene	BQL	2500	2200	88.0	2500	2570	103	15.5	30	61.0-126
1,2,4-trichlorobenzene	BQL	2500	2190	87.8	2500	2560	103	15.5	30	60.6-125
1,1,1-trichloroethane	BQL	2500	2350	94.2	2500	2660	107	12.4	30	78.4-121
1,1,2-trichloroethane	BQL	2500	2210	88.4	2500	2380	95.4	7.62	30	64.8-128
trichloroethene	BQL	2500	2600	104	2500	2880	115	10.4	30	84.9-136
trichlorofluoromethane	BQL	2500	2720	109	2500	2740	110	0.733	30	76.8-132
1,2,3-trichloropropane	BQL	2500	2300	92.0	2500	2600	104	12.0	30	10.0-218
1,2,4-trimethylbenzene	18700	2500	7880	315 *	2500	9020	360 *	13.5	30	31.0-172
1,3,5-trimethylbenzene	7470	2500	4530	181 *	2500	5000	200 *	9.75	30	67.7-132
Vinyl acetate	BQL	6250	3460	55.3	6250	3770	60.3	8.72	30	NA-355
vinyl chloride	BQL	2500	2810	113	2500	2860	114	1.58	30	68.1-137
m/p-xylene	3120	5000	5540	111	5000	6150	123 *	10.4	30	79.8-118
o-xylene	BQL	2500	2300	92.2	2500	2520	101	9.11	30	80.0-121

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: 14 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.: G161-2047-14A

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	138	138	100	136	136	1.25	30	6.81-355
acrolein	BQL	1000	113	11.3	1000	74.7	7.47	41.1 *	30	NA-6510
acrylonitrile	BQL	1000	1220	122	1000	1180	118	3.57	30	NA-5670
benzene	BQL	100	71.7	71.7 *	100	16.9	16.9 *	124 *	30	74.8-133
bromobenzene	BQL	100	56.5	56.5 *	100	3.94	3.94 *	174 *	30	66.1-140
bromochloromethane	BQL	100	81.1	81.1 *	100	39.3	39.3 *	69.4 *	30	85.1-136
bromodichloromethane	BQL	100	75.2	75.2 *	100	23.5	23.5 *	105 *	30	77.4-140
bromoform	BQL	100	84.3	84.3	100	23.3	23.3 *	113 *	30	74.7-161
bromomethane	BQL	100	80.4	80.4	100	52.2	52.2	42.5 *	30	30.4-127
2-butanone	BQL	100	120	120	100	116	116	3.81	30	40.9-256
n-butylbenzene	BQL	100	39.8	39.8 *	100	1.67	1.67 *	184 *	30	41.2-147
sec-butylbenzene	BQL	100	49.3	49.3 *	100	1.87	1.87 *	185 *	30	56.7-138
tert-butylbenzene	BQL	100	53.4	53.4 *	100	2.08	2.08 *	185 *	30	60.5-142
Carbon disulfide	BQL	100	75.7	75.7	100	21.8	21.8 *	111 *	30	64.3-145
carbon tetrachloride	BQL	100	83.4	83.4	100	21.8	21.8 *	117 *	30	64.2-142
chlorobenzene	BQL	100	57.6	57.6 *	100	4.13	4.13 *	173 *	30	66.3-135
chloroethane	BQL	100	42.1	42.1	100	20.7	20.7	68.0 *	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	78.6	78.6	100	31.3	31.3 *	86.0 *	30	71.1-143
chloromethane	BQL	100	80.9	80.9	100	64.7	64.7 *	22.2	30	69.1-138
2-chlorotoluene	BQL	100	50.1	50.1 *	100	2.32	2.32 *	182 *	30	59.8-144
4-chlorotoluene	BQL	100	46.7	46.7 *	100	2.08	2.08 *	183 *	30	59.0-141
dibromochloromethane	BQL	100	77.2	77.2 *	100	21.0	21.0 *	114 *	30	78.1-141
1,2-dibromo-3-chloropropane	BQL	500	100	20.1 *	500	42.9	8.58 *	80.3 *	30	43.4-229
1,2-dibromomethane	BQL	100	80.9	80.9	100	23.9	23.9 *	109 *	30	78.3-148
dibromomethane	BQL	100	85.8	85.8	100	36.5	36.5 *	80.8 *	30	80.0-150
1,2-dichlorobenzene	BQL	100	50.0	50.0 *	100	3.30	3.30 *	175 *	30	57.5-148
1,3-dichlorobenzene	BQL	100	45.4	45.4 *	100	2.48	2.48 *	179 *	30	55.0-145
1,4-dichlorobenzene	BQL	100	44.4	44.4 *	100	2.52	2.52 *	178 *	30	53.4-146
trans-1,4-Dichloro-2-butene	BQL	500	44.8	8.95 *	500	13.0	2.60 *	110 *	30	48.9-211
dichlorodifluoromethane	BQL	100	85.6	85.6	100	82.2	82.2	4.03	30	81.6-130
1,1-dichloroethane	BQL	100	79.7	79.7	100	39.9	39.9 *	66.6 *	30	71.6-139
1,2-dichloroethane	BQL	100	78.1	78.1	100	38.5	38.5 *	68.0 *	30	72.9-146
1,1-dichloroethene	BQL	100	88.8	88.8	100	45.3	45.3 *	64.9 *	30	72.0-135
cis-1,2-dichloroethene	BQL	100	77.4	77.4	100	28.0	28.0 *	93.6 *	30	76.9-134
trans-1,2-dichloroethene	BQL	100	75.1	75.1	100	22.9	22.9 *	106 *	30	72.0-135
1,2-dichloropropane	BQL	100	72.8	72.8 *	100	24.2	24.2 *	100 *	30	76.1-136
1,3-dichloropropane	BQL	100	77.5	77.5 *	100	24.4	24.4 *	104 *	30	83.2-137
2,2-dichloropropane	BQL	100	76.0	76.0	100	31.4	31.4 *	83.1 *	30	58.0-150
1,1-dichloropropene	BQL	100	75.8	75.8	100	12.6	12.6 *	143 *	30	68.5-137
cis-1,3-dichloropropene	BQL	100	59.3	59.3 *	100	12.0	12.0 *	132 *	30	72.1-146

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

* Values outside of QC limits

RPD: 61 out of 72 outside of limits

Spike Recovery: 94 out of 144 outside of limits

COMMENTS: _____

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.: G161-2047-14A

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	56.5	56.5 *	100	11.1	11.1 *	134 *	30	72.5-152
Diisopropyl ether	BQL	100	74.7	74.7	100	50.0	50.0 *	39.6 *	30	59.9-147
ethylbenzene	BQL	100	56.3	56.3 *	100	1.97	1.97 *	186 *	30	68.5-135
hexachlorobutadiene	BQL	100	30.6	30.6	100	2.01	2.01 *	175 *	30	12.1-169
2-hexanone	BQL	100	93.6	93.6	100	74.8	74.8	22.3	30	39.9-238
Iodomethane	BQL	100	71.1	71.1	100	42.0	42.0	51.4 *	30	39.5-177
isopropylbenzene	BQL	100	55.1	55.1 *	100	2.07	2.07 *	186 *	30	63.7-135
4-isopropyltoluene	BQL	100	44.7	44.7 *	100	1.70	1.70 *	185 *	30	53.2-142
Methyl-tert-butyl ether	BQL	100	84.0	84.0	100	73.2	73.2 *	13.7	30	73.3-155
methylene chloride	BQL	100	80.0	80.0	100	45.6	45.6 *	54.7 *	30	54.3-156
4-methyl-2-pentanone	BQL	100	98.3	98.3	100	80.3	80.3	20.2	30	47.2-227
naphthalene	BQL	100	59.5	59.5	100	8.50	8.50 *	150 *	30	14.4-218
n-propyl benzene	BQL	100	50.6	50.6 *	100	1.68	1.68 *	187 *	30	61.7-134
styrene	BQL	100	38.2	38.2 *	100	0.610	0.610 *	194 *	30	65.7-133
1,1,1,2-tetrachloroethane	BQL	100	66.7	66.7 *	100	8.94	8.94 *	153 *	30	70.4-136
1,1,2,2-tetrachloroethane	BQL	100	94.2	94.2	100	31.6	31.6 *	99.6 *	30	68.8-175
tetrachloroethene	BQL	100	60.6	60.6 *	100	3.08	3.08 *	181 *	30	61.6-137
toluene	BQL	100	65.0	65.0 *	100	2.95	2.95 *	183 *	30	70.5-138
1,2,3-trichlorobenzene	BQL	100	41.8	41.8	100	4.56	4.56 *	161 *	30	13.2-190
1,2,4-trichlorobenzene	BQL	100	36.8	36.8	100	3.46	3.46 *	166 *	30	9.93-187
1,1,1-trichloroethane	BQL	100	83.5	83.5	100	29.9	29.9 *	94.4 *	30	66.9-142
1,1,2-trichloroethane	BQL	100	82.6	82.6 *	100	29.9	29.9 *	93.7 *	30	84.9-139
trichloroethene	BQL	100	67.5	67.5	100	8.36	8.36 *	156 *	30	60.7-152
trichlorofluoromethane	BQL	100	83.4	83.4	100	54.3	54.3 *	42.3 *	30	55.0-162
1,2,3-trichloropropane	BQL	100	0.820	0.820 *	100	20.5	20.5 *	185 *	30	55.1-197
1,2,4-trimethylbenzene	BQL	100	47.2	47.2 *	100	1.05	1.05 *	191 *	30	61.1-141
1,3,5-trimethylbenzene	BQL	100	49.5	49.5 *	100	1.67	1.67 *	187 *	30	61.8-138
Vinyl acetate	BQL	250	124	49.8	250	97.1	38.8	24.8	30	NA-NA
vinyl chloride	BQL	100	84.8	84.8	100	62.9	62.9 *	29.5	30	80.9-129
m/p-xylene	BQL	200	108	54.1 *	200	2.13	1.06 *	192 *	30	68.0-135
o-xylene	BQL	100	57.5	57.5 *	100	1.27	1.27 *	191 *	30	71.1-135

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

* Values outside of QC limits

RPD: 61 out of 72 outside of limits

Spike Recovery: 94 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
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: _____

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: _____

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. : G510-233-4C

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	169	169	100	184	184	8.48	30	6.81-355
acrolein	BQL	1000	547	54.7	1000	593	59.3	8.01	30	NA-6510
acrylonitrile	BQL	1000	1600	160	1000	1700	170	6.16	30	NA-5670
benzene	BQL	100	75.9	75.9	100	75.0	75.0	1.14	30	74.8-133
bromobenzene	BQL	100	43.1	43.1 *	100	45.5	45.5 *	5.44	30	66.1-140
bromochloromethane	BQL	100	107	107	100	107	107	0.187	30	85.1-136
bromodichloromethane	BQL	100	86.1	86.1	100	86.5	86.5	0.521	30	77.4-140
bromoform	BQL	100	104	104	100	102	102	2.34	30	74.7-161
bromomethane	BQL	100	87.6	87.6	100	95.8	95.8	8.89	30	30.4-127
2-butanone	BQL	100	169	169	100	173	173	2.51	30	40.9-256
n-butylbenzene	BQL	100	13.5	13.5 *	100	17.7	17.7 *	26.6	30	41.2-147
sec-butylbenzene	BQL	100	20.8	20.8 *	100	25.3	25.3 *	19.4	30	56.7-138
tert-butylbenzene	BQL	100	25.9	25.9 *	100	30.6	30.6 *	16.7	30	60.5-142
Carbon disulfide	BQL	100	77.1	77.1	100	77.0	77.0	0.104	30	64.3-145
carbon tetrachloride	BQL	100	76.8	76.8	100	75.4	75.4	1.81	30	64.2-142
chlorobenzene	BQL	100	44.1	44.1 *	100	46.9	46.9 *	6.26	30	66.3-135
chloroethane	BQL	100	43.3	43.3	100	47.3	47.3	8.78	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	90.1	90.1	100	89.8	89.8	0.356	30	71.1-143
chloromethane	BQL	100	86.9	86.9	100	91.8	91.8	5.46	30	69.1-138
2-chlorotoluene	BQL	100	28.5	28.5 *	100	31.6	31.6 *	10.4	30	59.8-144
4-chlorotoluene	BQL	100	25.9	25.9 *	100	29.1	29.1 *	11.7	30	59.0-141
dibromochloromethane	BQL	100	88.8	88.8	100	91.0	91.0	2.44	30	78.1-141
1,2-dibromo-3-chloropropane	BQL	500	126	25.1 *	500	132	26.3 *	4.70	30	43.4-229
1,2-dibromomethane	BQL	100	98.4	98.4	100	99.0	99.0	0.608	30	78.3-148
dibromomethane	BQL	100	111	111	100	111	111	0.144	30	80.0-150
1,2-dichlorobenzene	BQL	100	35.0	35.0 *	100	39.9	39.9 *	13.1	30	57.5-148
1,3-dichlorobenzene	BQL	100	27.9	27.9 *	100	31.0	31.0 *	10.4	30	55.0-145
1,4-dichlorobenzene	BQL	100	27.2	27.2 *	100	30.6	30.6 *	11.8	30	53.4-146
trans-1,4-Dichloro-2-butene	BQL	500	97.6	19.5 *	500	99.0	19.8 *	1.52	30	48.9-211
dichlorodifluoromethane	BQL	100	82.8	82.8	100	86.9	86.9	4.83	30	81.6-130
1,1-dichloroethane	BQL	100	91.2	91.2	100	88.4	88.4	3.10	30	71.6-139
1,2-dichloroethane	BQL	100	98.7	98.7	100	97.4	97.4	1.32	30	72.9-146
1,1-dichloroethene	BQL	100	90.1	90.1	100	88.6	88.6	1.72	30	72.0-135
cis-1,2-dichloroethene	BQL	100	89.0	89.0	100	87.5	87.5	1.68	30	76.9-134
trans-1,2-dichloroethene	BQL	100	81.2	81.2	100	80.6	80.6	0.680	30	72.0-135
1,2-dichloropropane	BQL	100	85.8	85.8	100	85.1	85.1	0.866	30	76.1-136
1,3-dichloropropane	BQL	100	93.6	93.6	100	93.1	93.1	0.514	30	83.2-137
2,2-dichloropropane	BQL	100	84.1	84.1	100	78.1	78.1	7.50	30	58.0-150
1,1-dichloropropene	BQL	100	69.8	69.8	100	69.7	69.7	0.0717	30	68.5-137
cis-1,3-dichloropropene	BQL	100	77.5	77.5	100	77.6	77.6	0.0902	30	72.1-146

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: 48 out of 144 outside of limits

COMMENTS: _____

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.: G510-233-4C

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	76.8	76.8	100	77.8	77.8	1.31	30	72.5-152
Diisopropyl ether	BQL	100	97.7	97.7	100	97.3	97.3	0.369	30	59.9-147
ethylbenzene	BQL	100	36.5	36.5 *	100	40.7	40.7 *	10.9	30	68.5-135
hexachlorobutadiene	BQL	100	13.4	13.4	100	16.8	16.8	22.8	30	12.1-169
2-hexanone	BQL	100	144	144	100	143	143	0.921	30	39.9-238
Iodomethane	BQL	100	102	102	100	100	100	1.99	30	39.5-177
isopropylbenzene	BQL	100	29.2	29.2 *	100	33.9	33.9 *	14.7	30	63.7-135
4-isopropyltoluene	BQL	100	18.2	18.2 *	100	22.6	22.6 *	21.6	30	53.2-142
Methyl-tert-butyl ether	BQL	100	121	121	100	123	123	1.34	30	73.3-155
methylene chloride	BQL	100	94.9	94.9	100	93.1	93.1	1.88	30	54.3-156
4-methyl-2-pentanone	BQL	100	146	146	100	149	149	2.28	30	47.2-227
naphthalene	BQL	100	64.0	64.0	100	65.8	65.8	2.68	30	14.4-218
n-propyl benzene	BQL	100	22.7	22.7 *	100	27.1	27.1 *	17.7	30	61.7-134
styrene	BQL	100	37.0	37.0 *	100	40.4	40.4 *	8.58	30	65.7-133
1,1,1,2-tetrachloroethane	BQL	100	63.7	63.7 *	100	64.1	64.1 *	0.720	30	70.4-136
1,1,2,2-tetrachloroethane	BQL	100	116	116	100	117	117	0.240	30	68.8-175
tetrachloroethene	BQL	100	42.8	42.8 *	100	44.9	44.9 *	4.79	30	61.6-137
toluene	BQL	100	55.6	55.6 *	100	57.3	57.3 *	2.98	30	70.5-138
1,2,3-trichlorobenzene	BQL	100	35.9	35.9	100	38.5	38.5	6.98	30	13.2-190
1,2,4-trichlorobenzene	BQL	100	28.2	28.2	100	30.7	30.7	8.66	30	9.93-187
1,1,1-trichloroethane	BQL	100	81.8	81.8	100	80.2	80.2	1.92	30	66.9-142
1,1,2-trichloroethane	BQL	100	102	102	100	104	104	1.39	30	84.9-139
trichloroethene	BQL	100	62.4	62.4	100	63.9	63.9	2.31	30	60.7-152
trichlorofluoromethane	BQL	100	81.2	81.2	100	87.4	87.4	7.34	30	55.0-162
1,2,3-trichloropropane	BQL	100	106	106	100	105	105	0.953	30	55.1-197
1,2,4-trimethylbenzene	BQL	100	22.9	22.9 *	100	27.8	27.8 *	19.2	30	61.1-141
1,3,5-trimethylbenzene	BQL	100	23.8	23.8 *	100	28.3	28.3 *	17.2	30	61.8-138
Vinyl acetate	BQL	250	46.6	18.6	250	43.8	17.5	6.26	30	NA-NA
vinyl chloride	BQL	100	90.0	90.0	100	96.2	96.2	6.68	30	80.9-129
m/p-xylene	BQL	200	65.4	32.7 *	200	74.0	37.0 *	12.3	30	68.0-135
o-xylene	BQL	100	37.4	37.4 *	100	42.0	42.0 *	11.6	30	71.1-135

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: 48 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 : G161-2048-7A

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	134	134	100	136	136	2.08	30	6.81-355
acrolein	BQL	1000	1820	182	1000	1930	193	5.75	30	NA-6510
acrylonitrile	BQL	1000	1160	116	1000	1240	124	6.20	30	NA-5670
benzene	BQL	100	99.8	99.8	100	110	110	9.58	30	74.8-133
bromobenzene	BQL	100	103	103	100	104	104	1.30	30	66.1-140
bromochloromethane	BQL	100	89.7	89.7	100	100	100	11.1	30	85.1-136
bromodichloromethane	BQL	100	98.6	98.6	100	107	107	8.24	30	77.4-140
bromoform	BQL	100	104	104	100	104	104	0.326	30	74.7-161
bromomethane	BQL	100	65.0	65.0	100	80.0	80.0	20.8	30	30.4-127
2-butanone	BQL	100	110	110	100	110	110	0.818	30	40.9-256
n-butylbenzene	BQL	100	99.6	99.6	100	88.7	88.7	11.6	30	41.2-147
sec-butylbenzene	BQL	100	103	103	100	101	101	2.08	30	56.7-138
tert-butylbenzene	BQL	100	104	104	100	104	104	0.355	30	60.5-142
Carbon disulfide	BQL	100	126	126	100	140	140	10.6	30	64.3-145
carbon tetrachloride	BQL	100	100	100	100	110	110	8.95	30	64.2-142
chlorobenzene	BQL	100	105	105	100	113	113	7.80	30	66.3-135
chloroethane	BQL	100	142	142	100	160	160	11.9	30	20.7-182
2-chloroethyl vinyl ether	BQL	100	80.6	80.6 *	100	80.0	80.0 *	0.648	30	0.00-0.00
chloroform	BQL	100	102	102	100	112	112	9.87	30	71.1-143
chloromethane	BQL	100	104	104	100	119	119	13.6	30	69.1-138
2-chlorotoluene	BQL	100	105	105	100	108	108	2.40	30	59.8-144
4-chlorotoluene	BQL	100	103	103	100	104	104	1.34	30	59.0-141
dibromochloromethane	BQL	100	106	106	100	112	112	6.13	30	78.1-141
1,2-dibromo-3-chloropropane	BQL	500	496	99.2	500	429	85.8	14.4	30	43.4-229
1,2-dibromomethane	BQL	100	104	104	100	111	111	6.41	30	78.3-148
dibromomethane	BQL	100	103	103	100	110	110	6.76	30	80.0-150
1,2-dichlorobenzene	BQL	100	103	103	100	96.1	96.1	6.91	30	57.5-148
1,3-dichlorobenzene	BQL	100	102	102	100	98.2	98.2	4.14	30	55.0-145
1,4-dichlorobenzene	BQL	100	102	102	100	92.8	92.8	9.60	30	53.4-146
trans-1,4-Dichloro-2-butene	BQL	500	503	100	500	488	97.6	3.03	30	48.9-211
dichlorodifluoromethane	BQL	100	102	102	100	112	112	9.82	30	81.6-130
1,1-dichloroethane	BQL	100	105	105	100	118	118	12.0	30	71.6-139
1,2-dichloroethane	BQL	100	104	104	100	111	111	6.83	30	72.9-146
1,1-dichloroethene	BQL	100	126	126	100	140	140 *	10.8	30	72.0-135
cis-1,2-dichloroethene	BQL	100	104	104	100	116	116	10.9	30	76.9-134
trans-1,2-dichloroethene	BQL	100	104	104	100	117	117	11.7	30	72.0-135
1,2-dichloropropane	BQL	100	101	101	100	111	111	9.58	30	76.1-136
1,3-dichloropropane	BQL	100	106	106	100	112	112	6.22	30	83.2-137
2,2-dichloropropane	BQL	100	94.7	94.7	100	103	103	8.78	30	58.0-150
1,1-dichloropropene	BQL	100	104	104	100	116	116	10.3	30	68.5-137
cis-1,3-dichloropropene	BQL	100	107	107	100	114	114	6.12	30	72.1-146

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

* Values outside of QC limits

RPD: 3 out of 72 outside of limits

Spike Recovery: 3 out of 144 outside of limits

COMMENTS: _____

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 : G161-2048-7A

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	104	104	100	109	109	4.24	30	72.5-152
Diisopropyl ether	BQL	100	122	122	100	128	128	5.17	30	59.9-147
ethylbenzene	BQL	100	103	103	100	113	113	9.10	30	68.5-135
hexachlorobutadiene	BQL	100	110	110	100	70.7	70.7	43.3 *	30	12.1-169
2-hexanone	BQL	100	105	105	100	101	101	3.66	30	39.9-238
Iodomethane	BQL	100	107	107	100	117	117	9.30	30	39.5-177
isopropylbenzene	BQL	100	104	104	100	111	111	6.95	30	63.7-135
4-isopropyltoluene	BQL	100	104	104	100	95.0	95.0	8.84	30	53.2-142
Methyl-tert-butyl ether	BQL	100	110	110	100	117	117	5.76	30	73.3-155
methylene chloride	BQL	100	110	110	100	124	124	11.6	30	54.3-156
4-methyl-2-pentanone	BQL	100	114	114	100	115	115	1.04	30	47.2-227
naphthalene	BQL	100	99.6	99.6	100	73.7	73.7	29.9	30	14.4-218
n-propyl benzene	BQL	100	103	103	100	104	104	1.52	30	61.7-134
styrene	BQL	100	104	104	100	112	112	8.06	30	65.7-133
1,1,1,2-tetrachloroethane	BQL	100	104	104	100	115	115	9.52	30	70.4-136
1,1,2,2-tetrachloroethane	BQL	100	104	104	100	104	104	0.163	30	68.8-175
tetrachloroethene	BQL	100	103	103	100	113	113	8.85	30	61.6-137
toluene	BQL	100	99.0	99.0	100	107	107	7.98	30	70.5-138
1,2,3-trichlorobenzene	BQL	100	115	115	100	73.2	73.2	44.4 *	30	13.2-190
1,2,4-trichlorobenzene	BQL	100	91.8	91.8	100	61.9	61.9	38.8 *	30	9.93-187
1,1,1-trichloroethane	BQL	100	103	103	100	114	114	10.2	30	66.9-142
1,1,2-trichloroethane	BQL	100	107	107	100	114	114	6.92	30	84.9-139
trichloroethene	BQL	100	103	103	100	113	113	8.78	30	60.7-152
trichlorofluoromethane	BQL	100	124	124	100	140	140	12.0	30	55.0-162
1,2,3-trichloropropane	BQL	100	119	119	100	115	115	3.76	30	55.1-197
1,2,4-trimethylbenzene	BQL	100	102	102	100	10.0	10.0	1.90	30	61.1-141
1,3,5-trimethylbenzene	BQL	100	102	102	100	104	104	1.08	30	61.8-138
Vinyl acetate	BQL	250	223	89.3	250	244	97.6	8.88	30	NA-NA
vinyl chloride	BQL	100	102	102	100	116	116	13.2	30	80.9-129
m/p-xylene	BQL	200	211	106	200	231	116	9.15	30	68.0-135
o-xylene	BQL	100	105	105	100	114	114	7.90	30	71.1-135

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

* Values outside of QC limits

RPD: 3 out of 72 outside of limits

Spike Recovery: 3 out of 144 outside of limits

COMMENTS: _____

Paradigm Analytical Laboratories, INC.

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1070205B

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab File ID: 0702106.D Lab Sample ID: VBLK1070205B

Date Analyzed: 07/02/05 Time Analyzed: 11:03

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

Instrument ID: MSD1

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B11 2-4	G145-1111-4D	0702108.D	07/02 12:07
02	NS1-5	G161-2047-1D	0702115.D	07/02 15:51
03	NS2-5	G161-2047-4D	0702116.D	07/02 16:22
04	NS4-5	G161-2047-13D	0702117.D	07/02 16:54
05	G145-1111-4D MS	G145-1111-4D MS	0702122.D	07/02 19:33
06	G145-1111-4D MSD	G145-1111-4D MSD	0702123.D	07/02 20:05
07				
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COMMENTS:

Paradigm Analytical Laboratories, INC.

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK3070705D

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab File ID: 0707331.D Lab Sample ID: VBLK3070705D

Date Analyzed: 07/07/05 Time Analyzed: 20:37

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	PPD-SW4	G510-233-4C	0707336.D	07/07 23:14
02	NS2-18	G161-2047-8C	0707339.D	07/08 00:48
03	NS1-12	G161-2047-3B	0707341.D	07/08 01:50
04	NS2-10	G161-2047-5C	0707342.D	07/08 02:21
05	NS2-10 (DUP)	G161-2047-6C	0707343.D	07/08 02:53
06	NS2-15	G161-2047-7C	0707344.D	07/08 03:24
07	G510-233-4B MS	G510-233-4B MS	0707345.D	07/08 03:56
08	G510-233-4B MSD	G510-233-4B MSD	0707346.D	07/08 04:27
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COMMENTS: _____

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	NS3-5	G161-2047-9C	0708311.D	07/08 12:58
02	NS3-10	G161-2047-10C	0708312.D	07/08 13:29
03	NS3-15	G161-2047-11C	0708313.D	07/08 14:00
04	NS3-18.5	G161-2047-12B	0708314.D	07/08 14:31
05	NS4-15	G161-2047-15C	0708315.D	07/08 15:01
06	NS4-15	G161-2047-15C	0708315.D	07/08 15:01
07	NS4-20	G161-2047-16C	0708316.D	07/08 15:36
08	G161-2047-15B MS	G161-2047-15B MS	0708322.D	07/08 18:42
09	G161-2047-15A MSD	G161-2047-15A MS	0708323.D	07/08 19:13
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COMMENTS: _____

Paradigm Analytical Laboratories, INC.

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1070705B

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab File ID: 0707307.D Lab Sample ID: VBLK1070705B

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

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	NS4-10	G161-2047-14A	0707314.D	07/07 11:48
02	NS4-10	G161-2047-14A	0707314.D	07/07 11:48
03	G161-2047-14A MS	G161-2047-14A MS	0707322.D	07/07 15:57
04	G161-2047-14A MSD	G161-2047-14A MS	0707323.D	07/07 16:28
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COMMENTS:

Paradigm Analytical Laboratories, INC.

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK3071205C

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab File ID: 0712307.D Lab Sample ID: VBLK3071205C

Date Analyzed: 07/12/05 Time Analyzed: 11:46

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	TRIP BLANK	G161-2047-17A	0712308.D	07/12 12:17
02	G2-15	G161-2048-7A	0712312.D	07/12 14:21
03	G161-2048-7B MS	G161-2048-7B MS	0712321.D	07/12 19:03
04	G161-2048-7C MSD	G161-2048-7C MSD	0712322.D	07/12 19:35
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COMMENTS:

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: 0702101.D BFB Injection Date: 07/02/05

Instrument ID: MSD1 BFB Injection Time: 08:22

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS
50	15.0 - 40.0% of mass 95	18.7	Y
75	30.0 - 60.0% of mass 95	33.2	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	81.1	Y
175	5.0 - 9.0% of mass 174	8.1	Y
176	95.0 - 101.0% of mass 174	97.2	Y
177	5.0 - 9.0% of mass 176	7.1	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	QCHK005	QCHK005	0702102.D	07/02/05	08:55
02	LCS1070205A	LCS1070205A	0702103.D	07/02/05	09:27
03	VBLK1070205B	VBLK1070205B	0702106.D	07/02/05	11:03
04	B11 2-4	G145-1111-4D	0702108.D	07/02/05	12:07
05	NS1-5	G161-2047-1D	0702115.D	07/02/05	15:51
06	NS2-5	G161-2047-4D	0702116.D	07/02/05	16:22
07	NS4-5	G161-2047-13D	0702117.D	07/02/05	16:54
08	G145-1111-4D MS	G145-1111-4D MS	0702122.D	07/02/05	19:33
09	G145-1111-4D MSD	G145-1111-4D MSD	0702123.D	07/02/05	20:05
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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: 0627101.D BFB Injection Date: 06/27/05

Instrument ID: MSD1 BFB Injection Time: 09:07

GC Column: DB-624 ID: 0 2 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS
50	15.0 - 40.0% of mass 95	16.9	Y
75	30.0 - 60.0% of mass 95	32.6	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	82.3	Y
175	5.0 - 9.0% of mass 174	7.2	Y
176	95.0 - 101.0% of mass 174	98.0	Y
177	5.0 - 9.0% of mass 176	6.7	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	VSTD0.5	VSTD0.5	0627104.D	06/27/05	11:25
02	VSTD2	VSTD2	0627105.D	06/27/05	11:57
03	VSTD5	VSTD5	0627106.D	06/27/05	12:29
04	VSTD10	VSTD10	0627107.D	06/27/05	13:01
05	VSTD20	VSTD20	0627108.D	06/27/05	13:33
06	VSTD50	VSTD50	0627109.D	06/27/05	14:05
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Paradigm Analytical Laboratories, INC.

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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: 0707324.D BFB Injection Date: 07/07/05

Instrument ID: MSD3 BFB Injection Time: 17:00

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS
50	15.0 - 40.0% of mass 95	16.4	Y
75	30.0 - 60.0% of mass 95	43.4	Y
95	Base peak, 100% relative abundance	100.0	Y
96	5.0 - 9.0% of mass 95	7.2	Y
173	Less than 2.0% of mass 174	0.0	Y
174	50.0 - 100.0% of mass 95	61.3	Y
175	5.0 - 9.0% of mass 174	5.9	Y
176	95.0 - 101.0% of mass 174	98.6	Y
177	5.0 - 9.0% of mass 176	6.1	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	0707327.D	07/07/05	18:32
02	LCS3070705D	LCS3070705D	0707329.D	07/07/05	19:34
03	VBLK3070705D	VBLK3070705D	0707331.D	07/07/05	20:37
04	PPD-SW4	G510-233-4C	0707336.D	07/07/05	23:14
05	NS2-18	G161-2047-8C	0707339.D	07/08/05	00:48
06	NS1-12	G161-2047-3B	0707341.D	07/08/05	01:50
07	NS2-10	G161-2047-5C	0707342.D	07/08/05	02:21
08	NS2-10 (DUP)	G161-2047-6C	0707343.D	07/08/05	02:53
09	NS2-15	G161-2047-7C	0707344.D	07/08/05	03:24
10	G510-233-4B MS	G510-233-4B MS	0707345.D	07/08/05	03:56
11	G510-233-4B MSD	G510-233-4B MSD	0707346.D	07/08/05	04:27
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Paradigm Analytical Laboratories, INC.

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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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Paradigm Analytical Laboratories, INC.

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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	NS3-5	G161-2047-9C	0708311.D	07/08/05	12:58
05	NS3-10	G161-2047-10C	0708312.D	07/08/05	13:29
06	NS3-15	G161-2047-11C	0708313.D	07/08/05	14:00
07	NS3-18.5	G161-2047-12B	0708314.D	07/08/05	14:31
08	NS4-15	G161-2047-15C	0708315.D	07/08/05	15:01
09	NS4-15	G161-2047-15C	0708315.D	07/08/05	15:01
10	NS4-20	G161-2047-16C	0708316.D	07/08/05	15:36
11	G161-2047-15B MS	G161-2047-15B MS	0708322.D	07/08/05	18:42
12	G161-2047-15A MSD	G161-2047-15A MSD	0708323.D	07/08/05	19:13
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Paradigm Analytical Laboratories, INC.

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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: 0707301.D BFB Injection Date: 07/07/05

Instrument ID: MSD3 BFB Injection Time: 04:55

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS
50	15.0 - 40.0% of mass 95	17.0	Y
75	30.0 - 60.0% of mass 95	42.5	Y
95	Base peak, 100% relative abundance	100.0	Y
96	5.0 - 9.0% of mass 95	5.8	Y
173	Less than 2.0% of mass 174	0.0	Y
174	50.0 - 100.0% of mass 95	75.1	Y
175	5.0 - 9.0% of mass 174	6.5	Y
176	95.0 - 101.0% of mass 174	96.0	Y
177	5.0 - 9.0% of mass 176	5.6	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	0707303.D	07/07/05	06:02
02	LCS3070705B	LCS3070705B	0707305.D	07/07/05	07:04
03	VBLK1070705B	VBLK1070705B	0707307.D	07/07/05	08:08
04	NS4-10	G161-2047-14A	0707314.D	07/07/05	11:48
05	G161-2047-14A MS	G161-2047-14A MS	0707322.D	07/07/05	15:57
06	G161-2047-14A MSD	G161-2047-14A MSD	0707323.D	07/07/05	16:28
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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: 0712301.D BFB Injection Date: 07/12/05

Instrument ID: MSD3 BFB Injection Time: 08:14

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS
50	15.0 - 40.0% of mass 95	17.9	Y
75	30.0 - 60.0% of mass 95	45.8	Y
95	Base peak, 100% relative abundance	100.0	Y
96	5.0 - 9.0% of mass 95	6.7	Y
173	Less than 2.0% of mass 174	0.0	Y
174	50.0 - 100.0% of mass 95	64.0	Y
175	5.0 - 9.0% of mass 174	7.4	Y
176	95.0 - 101.0% of mass 174	97.2	Y
177	5.0 - 9.0% of mass 176	7.1	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	QCHK100	QCHK100	0712302.D	07/12/05	08:45
02	LCS3071205B	LCS3071205B	0712304.D	07/12/05	09:46
03	VBLK3071205C	VBLK3071205C	0712307.D	07/12/05	11:46
04	TRIP BLANK	G161-2047-17A	0712308.D	07/12/05	12:17
05	G2-15	G161-2048-7A	0712312.D	07/12/05	14:21
06	G161-2048-7B MS	G161-2048-7B MS	0712321.D	07/12/05	19:03
07	G161-2048-7C MSD	G161-2048-7C MSD	0712322.D	07/12/05	19:35
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Paradigm Analytical Laboratories, INC.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Instrument ID: MSD1 Calibration Date(s): 06/27/05

Heated Purge: (Y/N) Y Calibration Times: 13:33

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

LAB FILE ID: RRF0.5 = 0627104.D RRF2.0 = 0627105.D

RRF5.0 = 0627106.D RRF10.0 = 0627107.D RRF20.0 = 0627108.D RRF50.0 = 0627109.D

COMPOUND	RRF 0.5	RRF 2.0	RRF 5.0	RRF 10.0	RRF 20.0	RRF 50.0	ICAL RRF	% RSD
dichlorodifluoromethane	0.176	0.133	0.139	0.152	0.149	0.127	0.146	12.1
chloromethane	0.463	0.352	0.347	0.342	0.305		0.362	16.5
vinyl chloride	0.336	0.236	0.247	0.264	0.262	0.226	0.262	14.9
bromomethane	0.029	0.056	0.07	0.082		0.07	0.062	32.9
chloroethane	0.188	0.134	0.138	0.147	0.140		0.150	14.8
trichlorofluoromethane	0.202	0.149	0.162	0.171	0.170	0.140	0.165	12.9
acrolein	0.025	0.017	0.019	0.02	0.02	0.016	0.019	15.9
1,1-dichloroethene	0.138	0.163	0.164	0.150	0.157	0.143	0.152	7.05
acetone	0.031	0.024	0.025	0.023		0.021	0.025	14.3
methylene chloride	0.143	0.164	0.158	0.148	0.153	0.139	0.151	6.23
trans-1,2-dichloroethene	0.156	0.207	0.200	0.189	0.198	0.178	0.188	9.86
acrylonitrile	0.038	0.026	0.029	0.031	0.031	0.027	0.03	14.4
1,1-dichloroethane	0.334	0.383	0.382	0.356	0.370	0.341	0.361	5.76
2,2-dichloropropane	0.163	0.200	0.193	0.176	0.178	0.158	0.178	9.19
cis-1,2-dichloroethene	0.173	0.206	0.201	0.190	0.197	0.179	0.191	6.85
2-butanone	0.035	0.037	0.037	0.034	0.036	0.033	0.035	5.06
bromochloromethane	0.051	0.072	0.073	0.069	0.072	0.065	0.067	12.2
chloroform	0.217	0.253	0.249	0.231	0.242	0.222	0.236	6.22
1,1,1-trichloroethane	0.174	0.209	0.202	0.195	0.200	0.181	0.193	6.93
carbon tetrachloride	0.130	0.165	0.159	0.153	0.156	0.145	0.151	8.15
1,1-dichloropropene	0.173	0.219	0.210	0.202	0.207	0.186	0.200	8.39
1,2-dichloroethane-d4	0.145	0.143	0.140	0.142	0.140	0.141	0.142	1.32
benzene	0.577	0.687	0.670	0.633	0.649	0.596	0.635	6.67
1,2-dichloroethane	0.113	0.141	0.139	0.131	0.136	0.123	0.130	8.20
trichloroethene	0.149	0.189	0.184	0.177	0.178	0.160	0.173	8.93
1,2-dichloropropane	0.193	0.210	0.204	0.186	0.193	0.176	0.194	6.34
dibromomethane	0.038	0.055	0.056	0.051	0.055	0.05	0.051	13.1
bromodichloromethane	0.129	0.146	0.145	0.135	0.141	0.128	0.137	5.91
2-chloroethyl vinyl ether		0.006	0.009	0.007	0.008	0.011	0.008	26.6
cis-1,3-dichloropropene	0.141	0.187	0.186	0.168	0.174	0.161	0.169	10.2
4-methyl-2-pentanone	0.075	0.07	0.071	0.067	0.072	0.067	0.07	4.41
toluene-d8	0.690	0.687	0.684	0.695	0.692	0.695	0.691	0.649
toluene	0.383	0.463	0.447	0.427	0.442	0.409	0.428	6.75
Iodomethane	0.005	0.047	0.066	0.123	0.176	0.203	0.103	74.6
trans-1,3-dichloropropene	0.093	0.118	0.118	0.112	0.115	0.107	0.110	8.49
Vinyl acetate	0.310	0.345	0.340	0.308	0.329		0.327	5.20
Carbon disulfide	0.447	0.555	0.531	0.507	0.518	0.467	0.504	8.03
1,1,2-trichloroethane	0.602	0.773	0.785	0.707		0.690	0.711	10.4
tetrachloroethene	1.90	2.26	2.16	2.08	2.14	2.01	2.09	6.09
1,3-dichloropropane	1.45	1.63	1.64	1.51		1.44	1.53	6.34

Paradigm Analytical Laboratories, INC.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Instrument ID: MSD1 Calibration Date(s): 06/27/05

Heated Purge: (Y/N) Y Calibration Times: 13:33

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

LAB FILE ID: RRF0.5 = 0627104.D RRF2.0 = 0627105.D

RRF5.0 = 0627106.D RRF10.0 = 0627107.D RRF20.0 = 0627108.D RRF50.0 = 0627109.D

COMPOUND	RRF 0.5	RRF 2.0	RRF 5.0	RRF 10.0	RRF 20.0	RRF 50.0	ICAL RRF	% RSD
2-hexanone	0.574	0.502	0.534	0.504	0.549	0.524	0.531	5.18
dibromochloromethane	0.886	1.20	1.17	1.09	1.14	1.08	1.10	10.3
1,2-dibromoethane	0.697	0.890	0.899	0.848	0.889	0.831	0.842	9.01
chlorobenzene	4.35	5.20	5.10	4.77	5.01	4.73	4.86	6.34
1,1,1,2-tetrachloroethane	1.36	1.63	1.61	1.51	1.57	1.47	1.52	6.71
bromoform	0.424	0.529	0.567	0.535	0.563	0.530	0.525	9.93
4-bromofluorobenzene	3.32	3.27	3.32	3.34	3.38	3.40	3.34	1.45
bromobenzene	1.44	1.81	1.84	1.76	1.84	1.71	1.73	8.92
1,1,2,2-tetrachloroethane	0.746	0.886	0.885	0.829		0.803	0.830	7.12
1,2,3-trichloropropane	1.05	1.28	1.34	1.26	1.36	1.32	1.27	8.80
ethylbenzene	0.930	1.13	1.13	1.07	1.11	1.05	1.07	7.06
m/p-xylene	0.350	0.442	0.440	0.418	0.432	0.399	0.414	8.41
styrene	0.470	0.596	0.601	0.570	0.605	0.562	0.567	8.99
o-xylene	0.320	0.405	0.412	0.386	0.402	0.371	0.383	8.91
isopropylbenzene	0.869	1.06	1.04	0.994	1.04	0.980	0.998	7.06
n-propyl benzene	0.962	1.19	1.17	1.14	1.18	1.13	1.13	7.60
2-chlorotoluene	0.170	0.242	0.213	0.225	0.213	0.194	0.209	11.9
4-chlorotoluene	0.201	0.253	0.254	0.241	0.253	0.233	0.239	8.57
1,3,5-trimethylbenzene	0.617	0.762	0.763	0.730	0.767	0.711	0.725	7.90
tert-butylbenzene	0.536	0.653	0.634	0.624	0.634	0.588	0.612	6.97
1,2,4-trimethylbenzene	0.548	0.695	0.706	0.687	0.738	0.684	0.676	9.72
sec-butylbenzene	0.797	0.979	0.977	0.942	0.995	0.945	0.939	7.72
1,3-dichlorobenzene	0.390	0.483	0.494	0.469	0.495	0.458	0.465	8.50
4-isopropyltoluene	0.664	0.814	0.830	0.793	0.862	0.814	0.796	8.62
1,4-dichlorobenzene	0.397	0.468	0.480	0.452	0.481	0.445	0.454	6.89
1,2-dichlorobenzene	0.302	0.384	0.392	0.367	0.387	0.354	0.364	9.25
n-butylbenzene	0.499	0.594	0.626	0.618	0.662	0.625	0.604	9.25
1,2-dibromo-3-chloropropane	0.009	0.011	0.012	0.011	0.012	0.011	0.011	8.95
1,2,4-trichlorobenzene	0.135	0.163	0.177	0.171	0.184	0.178	0.168	10.5
hexachlorobutadiene	0.076	0.09	0.093	0.091	0.097	0.092	0.09	8.19
naphthalene	0.191	0.201	0.221	0.217	0.236	0.224	0.215	7.52
trans-1,4-Dichloro-2-butene	0.004	0.008	0.01	0.009	0.011	0.01	0.009	29.8
1,2,3-trichlorobenzene	0.099	0.117	0.130	0.127	0.138	0.130	0.123	11.1
MTBE	0.270	0.328	0.330	0.299	0.314	0.286	0.304	7.88
DIPE	0.893	1.05	1.03	0.955	0.982	0.916	0.971	6.39

Paradigm Analytical Laboratories, INC.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS 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.: SAS 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: MSD1 Calibration Date: 07/02/05 Time: 8:55

Lab File ID: 0702102.D Init. Calib. Date: 06/27/05

EPA Sample No.: QCHK005 Init. Calib. Time: 13:33

Heated Purge: (Y/N) N

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

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
1,1,1,2-tetrachloroethane	1.52	1.249		18.2	
1,1,1-trichloroethane	0.193	0.183		5.2	
1,1,2,2-tetrachloroethane	0.830	0.704	0.30	15.2	
1,1,2-trichloroethane	0.711	0.585		17.7	
1,1-dichloroethane	0.361	0.334	0.10	7.5	
1,1-dichloroethene	0.152	0.134		11.8	20.0
1,1-dichloropropene	0.200	0.190		5.0	
1,2,3-trichlorobenzene	0.123	0.104		15.4	
1,2,3-trichloropropane	1.27	1.137		10.2	
1,2,4-trichlorobenzene	0.168	0.142		15.5	
1,2,4-trimethylbenzene	0.676	0.624		7.7	
1,2-dibromo-3-chloropropane	0.011	0.011		0.0	
1,2-dibromoethane	0.842	0.688		18.3	
1,2-dichlorobenzene	0.364	0.303		16.8	
1,2-dichloroethane	0.130	0.131		-0.8	
1,2-dichloropropane	0.194	0.172		11.3	20.0
1,3,5-trimethylbenzene	0.725	0.641		11.6	
1,3-dichlorobenzene	0.465	0.385		17.2	
1,3-dichloropropane	1.53	1.299		15.3	
1,4-dichlorobenzene	0.454	0.378		16.7	
2,2-dichloropropane	0.178	0.181		-1.7	
2-butanone	0.035	0.043		-22.9	
2-chloroethyl vinyl ether	0.008	0.010		-25.0	
2-chlorotoluene	0.209	0.214		-2.4	
2-hexanone	0.531	0.512		3.6	
4-chlorotoluene	0.239	0.211		11.7	
4-isopropyltoluene	0.796	0.762		4.3	
4-methyl-2-pentanone	0.07	0.067		4.3	
acetone	0.025	0.030		-20.0	
acrolein	0.019	0.021		-10.5	
acrylonitrile	0.03	0.037		-23.3	
benzene	0.635	0.580		8.7	
bromobenzene	1.73	1.365		21.2	
bromochloromethane	0.067	0.060		10.4	
bromochloropropane	1.00	1.000		0.0	
bromodichloromethane	0.137	0.125		8.8	
bromoform	0.525	0.404	0.10	23.0	
bromomethane	0.062	0.118		-90.3	
Carbon disulfide	0.504	0.502		0.4	
carbon tetrachloride	0.151	0.154		-2.0	

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: MSD1 Calibration Date: 07/02/05 Time: 8:55

Lab File ID: 0702102.D Init. Calib. Date: 06/27/05

EPA Sample No.: QCHK005 Init. Calib. Time: 13:33

Heated Purge: (Y/N) N

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

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
chlorobenzene	4.861	3.910	0.30	19.6	
chloroethane	0.150	0.167		-11.3	
chloroform	0.236	0.222		5.9	20.0
chloromethane	0.362	0.338	0.10	6.6	
cis-1,2-dichloroethene	0.191	0.164		14.1	
cis-1,3-dichloropropene	0.169	0.158		6.5	
dibromochloromethane	1.096	0.923		15.8	
dibromomethane	0.051	0.047		7.8	
dichlorodifluoromethane	0.146	0.175		-19.9	
DIPE	0.971	0.942		3.0	
ethylbenzene	1.070	0.901		15.8	20.0
fluorobenzene	1.000	1.000		0.0	
hexachlorobutadiene	0.090	0.084		6.7	
Iodomethane	0.103	0.191		-85.4	
isopropylbenzene	0.998	0.852		14.6	
m/p-xylene	0.414	0.355		14.3	
methylene chloride	0.151	0.133		11.9	
MTBE	0.304	0.301		1.0	
n-butylbenzene	0.604	0.573		5.1	
n-propyl benzene	1.130	1.015		10.2	
naphthalene	0.215	0.173		19.5	
o-xylene	0.383	0.323		15.7	
sec-butylbenzene	0.939	0.854		9.1	
styrene	0.567	0.461		18.7	
tert-butylbenzene	0.612	0.627		-2.5	
tetrachloroethene	2.092	1.641		21.6	
toluene	0.428	0.372		13.1	20.0
trans-1,2-dichloroethene	0.188	0.167		11.2	
trans-1,3-dichloropropene	0.110	0.106		3.6	
trans-1,4-Dichloro-2-butene	0.009	0.009*		0.0	
trichloroethene	0.173	0.154		11.0	
trichlorofluoromethane	0.165	0.204		-23.6	
Vinyl acetate	0.327	0.334		-2.1	
vinyl chloride	0.262	0.310		-18.3	20.0
1,2-dichloroethane-d4	0.142	0.160		-12.7	
4-bromofluorobenzene	3.34	3.194		4.3	
toluene-d8	0.691	0.694		-0.4	

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: 07/07/05 Time: 18:32

Lab File ID: 0707327.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	1.889		-9.6	
1,1,1-trichloroethane	0.445	0.523		-17.5	
1,1,2,2-tetrachloroethane	2.52	2.666	0.30	-5.8	
1,1,2-trichloroethane	1.56	1.621		-4.1	
1,1-dichloroethane	0.568	0.650	0.10	-14.4	
1,1-dichloroethene	0.241	0.291		-20.7	20.0
1,1-dichloropropene	0.443	0.516		-16.5	
1,2,3-trichlorobenzene	0.409	0.411		-0.5	
1,2,3-trichloropropane	5.32	6.236		-17.2	
1,2,4-trichlorobenzene	0.446	0.459		-2.9	
1,2,4-trimethylbenzene	1.52	1.745		-15.2	
1,2-dibromo-3-chloropropane	0.487	0.511		-4.9	
1,2-dibromoethane	1.86	1.963		-5.3	
1,2-dichlorobenzene	0.631	0.672		-6.5	
1,2-dichloroethane	0.367	0.384		-4.6	
1,2-dichloropropane	0.325	0.357		-9.8	20.0
1,3,5-trimethylbenzene	1.53	1.754		-14.9	
1,3-dichlorobenzene	0.710	0.765		-7.7	
1,3-dichloropropane	3.33	3.530		-6.0	
1,4-dichlorobenzene	0.718	0.763		-6.3	
2,2-dichloropropane	0.453	0.519		-14.6	
2-butanone	0.424	0.424		0.0	
2-chloroethyl vinyl ether	0.00	0.000*		0.0	
2-chlorotoluene	0.373	0.414		-11.0	
2-hexanone	5.53	5.548		-0.3	
4-chlorotoluene	0.387	0.416		-7.5	
4-isopropyltoluene	1.65	1.928		-17.1	
4-methyl-2-pentanone	0.968	0.962		0.6	
acetone	0.230	0.178		22.6	
acrolein	0.305	0.118		61.3	
acrylonitrile	1.22	1.244		-2.1	
benzene	1.32	1.481		-12.3	
bromobenzene	2.17	2.348		-8.2	
bromochloromethane	0.114	0.122		-7.0	
bromochloropropane	1.00	1.000		0.0	
bromodichloromethane	0.343	0.374		-9.0	
bromoform	1.14	1.226	0.10	-7.0	
bromomethane	0.09	0.093		-3.3	
Carbon disulfide	0.897	1.051		-17.2	
carbon tetrachloride	0.389	0.462		-18.8	

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: 07/07/05 Time: 18:32

Lab File ID: 0707327 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	7.172	0.30	-9.6	
chloroethane	0.162	0.000*		100.0	
chloroform	0.497	0.563		-13.3	20.0
chloromethane	0.323	0.363	0.10	-12.4	
cis-1,2-dichloroethene	0.316	0.351		-11.1	
cis-1,3-dichloropropene	0.429	0.460		-7.2	
dibromochloromethane	1.720	1.791		-4.1	
dibromomethane	0.151	0.158		-4.6	
dichlorodifluoromethane	0.221	0.258		-16.7	
DIPE	1.776	1.887		-6.2	
ethylbenzene	2.007	2.338		-16.5	20.0
fluorobenzene	1.000	1.000		0.0	
hexachlorobutadiene	0.185	0.216		-16.8	
Iodomethane	0.209	0.234		-12.0	
isopropylbenzene	1.886	2.187		-16.0	
m/p-xylene	0.740	0.839		-13.4	
methylene chloride	0.297	0.319		-7.4	
MTBE	1.065	1.127		-5.8	
n-butylbenzene	1.725	2.001		-16.0	
n-propyl benzene	2.355	2.824		-19.9	
naphthalene	1.218	1.169		4.0	
o-xylene	0.683	0.765		-12.0	
sec-butylbenzene	2.110	2.505		-18.7	
styrene	1.035	1.135		-9.7	
tert-butylbenzene	1.266	1.490		-17.7	
tetrachloroethene	2.260	2.603		-15.2	
toluene	0.796	0.913		-14.7	20.0
trans-1,2-dichloroethene	0.314	0.358		-14.0	
trans-1,3-dichloropropene	0.368	0.393		-6.8	
trans-1,4-Dichloro-2-butene	0.373	0.379		-1.6	
trichloroethene	0.324	0.365		-12.7	
trichlorofluoromethane	0.347	0.359		-3.5	
Vinyl acetate	0.131	0.065		50.4	
vinyl chloride	0.333	0.395		-18.6	20.0
1,2-dichloroethane-d4	0.313	0.308		1.6	
4-bromofluorobenzene	2.94	3.012		-2.2	
toluene-d8	0.721	0.730		-1.2	

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.

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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	

Paradigm Analytical Laboratories, INC.

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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: 07/07/05 Time: 6:02

Lab File ID: 0707303.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	1.590		7.8	
1,1,1-trichloroethane	0.445	0.400		10.1	
1,1,2,2-tetrachloroethane	2.52	2.755	0.30	-9.4	
1,1,2-trichloroethane	1.56	1.551		0.4	
1,1-dichloroethane	0.568	0.520	0.10	8.5	
1,1-dichloroethene	0.241	0.213		11.6	20.0
1,1-dichloropropene	0.443	0.389		12.2	
1,2,3-trichlorobenzene	0.409	0.397		2.9	
1,2,3-trichloropropane	5.32	6.828		-28.4	
1,2,4-trichlorobenzene	0.446	0.435		2.5	
1,2,4-trimethylbenzene	1.52	1.398		7.7	
1,2-dibromo-3-chloropropane	0.487	0.575		-18.1	
1,2-dibromoethane	1.86	1.929		-3.4	
1,2-dichlorobenzene	0.631	0.596		5.5	
1,2-dichloroethane	0.367	0.359		2.2	
1,2-dichloropropane	0.325	0.306		5.8	20.0
1,3,5-trimethylbenzene	1.53	1.388		9.1	
1,3-dichlorobenzene	0.710	0.660		7.0	
1,3-dichloropropane	3.33	3.322		0.3	
1,4-dichlorobenzene	0.718	0.672		6.4	
2,2-dichloropropane	0.453	0.407		10.2	
2-butanone	0.424	0.485		-14.4	
2-chloroethyl vinyl ether	0.00	0.000*		0.0	
2-chlorotoluene	0.373	0.334		10.5	
2-hexanone	5.53	6.363		-15.1	
4-chlorotoluene	0.387	0.352		9.0	
4-isopropyltoluene	1.65	1.515		8.0	
4-methyl-2-pentanone	0.968	1.068		-10.3	
acetone	0.230	0.206		10.4	
acrolein	0.305	0.424		-39.0	
acrylonitrile	1.22	1.460		-19.9	
benzene	1.32	1.176		10.8	
bromobenzene	2.17	2.037		6.2	
bromochloromethane	0.114	0.113		0.9	
bromochloropropane	1.00	1.000		0.0	
bromodichloromethane	0.343	0.332		3.2	
bromoform	1.14	1.251	0.10	-9.2	
bromomethane	0.09	0.074		17.8	
Carbon disulfide	0.897	0.785		12.5	
carbon tetrachloride	0.389	0.347		10.8	

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: 07/07/05 Time: 6:02

Lab File ID: 0707303.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	5.904	0.30	9.8	
chloroethane	0.162	0.000*		100.0	
chloroform	0.497	0.460		7.4	20.0
chloromethane	0.323	0.305	0.10	5.6	
cis-1,2-dichloroethene	0.316	0.288		8.9	
cis-1,3-dichloropropene	0.429	0.410		4.4	
dibromochloromethane	1.720	1.691		1.7	
dibromomethane	0.151	0.151		0.0	
dichlorodifluoromethane	0.221	0.206		6.8	
DIPE	1.776	1.600		9.9	
ethylbenzene	2.007	1.822		9.2	20.0
fluorobenzene	1.000	1.000		0.0	
hexachlorobutadiene	0.185	0.171		7.6	
Iodomethane	0.209	0.179		14.4	
isopropylbenzene	1.886	1.696		10.1	
m/p-xylene	0.740	0.664		10.3	
methylene chloride	0.297	0.274		7.7	
MTBE	1.065	1.071		-0.6	
n-butylbenzene	1.725	1.590		7.8	
n-propyl benzene	2.355	2.187		7.1	
naphthalene	1.218	1.201		1.4	
o-xylene	0.683	0.620		9.2	
sec-butylbenzene	2.110	1.921		9.0	
styrene	1.035	0.945		8.7	
tert-butylbenzene	1.266	1.138		10.1	
tetrachloroethene	2.260	2.011		11.0	
toluene	0.796	0.717		9.9	20.0
trans-1,2-dichloroethene	0.314	0.275		12.4	
trans-1,3-dichloropropene	0.368	0.373		-1.4	
trans-1,4-Dichloro-2-butene	0.373	0.416		-11.5	
trichloroethene	0.324	0.287		11.4	
trichlorofluoromethane	0.347	0.315		9.2	
Vinyl acetate	0.131	0.156		-19.1	
vinyl chloride	0.333	0.322		3.3	20.0
1,2-dichloroethane-d4	0.313	0.305		2.6	
4-bromofluorobenzene	2.94	3.070		-4.2	
toluene-d8	0.721	0.722		-0.1	

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: 07/12/05 Time: 8:45

Lab File ID: 0712302.D Init. Calib. Date: 06/24/05

EPA Sample No.: QCHK100 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	3.31	3.449		-4.2	
1,1,1-trichloroethane	0.838	0.893		-6.6	
1,1,2,2-tetrachloroethane	2.21	2.498	0.30	-13.1	
1,1,2-trichloroethane	1.92	2.073		-7.7	
1,1-dichloroethane	0.944	1.010	0.10	-7.0	
1,1-dichloroethene	0.493	0.490		0.6	20.0
1,1-dichloropropene	0.860	0.881		-2.4	
1,2,3-trichlorobenzene	0.325	0.285		12.3	
1,2,3-trichloropropane	0.219	0.210		4.1	
1,2,4-trichlorobenzene	0.448	0.392		12.5	
1,2,4-trimethylbenzene	2.62	2.556		2.4	
1,2-dibromo-3-chloropropane	0.046	0.047		-2.2	
1,2-dibromoethane	1.91	2.149		-12.6	
1,2-dichlorobenzene	0.752	0.732		2.7	
1,2-dichloroethane	0.332	0.382		-15.1	
1,2-dichloropropane	0.439	0.455		-3.6	20.0
1,3,5-trimethylbenzene	2.90	2.815		3.0	
1,3-dichlorobenzene	1.03	0.983		4.4	
1,3-dichloropropane	4.14	4.568		-10.3	
1,4-dichlorobenzene	0.943	0.921		2.3	
2,2-dichloropropane	0.865	0.921		-6.5	
2-butanone	0.288	0.321		-11.5	
2-chloroethyl vinyl ether	0.220	0.227		-3.2	
2-chlorotoluene	0.654	0.637		2.6	
2-hexanone	4.35	4.783		-9.9	
4-chlorotoluene	0.627	0.601		4.1	
4-isopropyltoluene	3.17	3.037		4.3	
4-methyl-2-pentanone	0.457	0.472		-3.3	
acetone	0.203	0.207		-2.0	
acrolein	0.016	0.019		-18.7	
acrylonitrile	0.054	0.068		-25.9	
benzene	2.19	2.189		0.1	
bromobenzene	3.56	3.674		-3.2	
bromochloromethane	0.126	0.137		-8.7	
bromochloropropane	1.00	1.000		0.0	
bromodichloromethane	0.428	0.449		-4.9	
bromoform	0.852	1.121	0.10	-31.6	
bromomethane	0.288	0.242		16.0	
Carbon disulfide	1.78	1.831		-2.8	
carbon tetrachloride	0.767	0.794		-3.5	

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: 07/12/05 Time: 8:45

Lab File ID: 0712302.D Init. Calib. Date: 06/24/05

EPA Sample No.: QCHK100 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	13.286	13.614	0.30	-2.5	
chloroethane	0.356	0.412		-15.7	
chloroform	0.769	0.821		-6.8	20.0
chloromethane	0.680	0.862	0.10	-26.8	
cis-1,2-dichloroethene	0.484	0.495		-2.3	
cis-1,3-dichloropropene	0.513	0.520		-1.4	
dibromochloromethane	2.303	2.505		-8.8	
dibromomethane	0.131	0.141		-7.6	
dichlorodifluoromethane	0.840	1.002		-19.3	
DIPE	2.676	2.968		-10.9	
ethylbenzene	4.176	4.121		1.3	20.0
fluorobenzene	1.000	1.000		0.0	
hexachlorobutadiene	0.257	0.276		-7.4	
Iodomethane	0.606	0.634		-4.6	
isopropylbenzene	3.995	3.868		3.2	
m/p-xylene	1.466	1.437		2.0	
methylene chloride	0.489	0.407		16.8	
MTBE	1.092	1.230		-12.6	
n-butylbenzene	3.159	3.052		3.4	
n-propyl benzene	4.912	4.736		3.6	
naphthalene	0.582	0.506		13.1	
o-xylene	1.260	1.231		2.3	
sec-butylbenzene	4.371	4.152		5.0	
styrene	1.634	1.618		1.0	
tert-butylbenzene	2.641	2.461		6.8	
tetrachloroethene	6.291	6.426		-2.1	
toluene	1.357	1.322		2.6	20.0
trans-1,2-dichloroethene	0.576	0.594		-3.1	
trans-1,3-dichloropropene	0.353	0.369		-4.5	
trans-1,4-Dichloro-2-butene	0.043	0.047		-9.3	
trichloroethene	0.579	0.587		-1.4	
trichlorofluoromethane	0.758	0.930		-22.7	
Vinyl acetate	0.042	0.047		-11.9	
vinyl chloride	0.776	0.920		-18.6	20.0
1,2-dichloroethane-d4	0.153	0.160		-4.6	
4-bromofluorobenzene	2.98	3.114		-4.5	
toluene-d8	0.720	0.708		1.7	

Paradigm Analytical Laboratories, INC.

8A

VOLATILE 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.: QCHK100 Date Analyzed: 07/12/05

Lab File ID (Standard): 0712302.D Time Analyzed: 08:45

Instrument ID: MSD3 Heated Purge: (Y/N) Y

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

		IS1 (BCP) AREA #	RT #	IS2 (FB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	71978	11.71	870841	8.49	531550	13.53
	UPPER LIMIT	143956	12.21	1741682	8.99	1063100	14.03
	LOWER LIMIT	35989	11.21	435421	7.99	265775	13.03
	EPA SAMPLE						
01	TRIP BLANK	67541	11.72	817472	8.5	485556	13.52
02	VBLK3071205C	74182	11.71	868113	8.49	525747	13.52
03	LCS3071205B	74977	11.71	866849	8.49	533401	13.53
04	G161-2048-7A	112629	11.72	1173249	8.5	774422	13.53
05	G161-2048-7B MS	91501	11.72	1049085	8.51	673458	13.54
06	G161-2048-7C MSD	79876	11.72	942331	8.52	574040	13.53
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IS1 (BCP) = Bromochloropropane
IS2 (FB) = Fluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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.

8A

VOLATILE 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.: QCHK005 Date Analyzed: 07/02/05

Lab File ID (Standard): 0702102.D Time Analyzed: 08:55

Instrument ID: MSD1 Heated Purge: (Y/N) N

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

		IS1 (BCP) AREA #	RT #	IS2 (FB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	227865	12	2358918	8.8	1714233	13.83
	UPPER LIMIT	455730	12.5	4717836	9.3	3428466	14.33
	LOWER LIMIT	113933	11.5	1179459	8.3	857117	13.33
	EPA SAMPLE						
01	NS1-5	258944	12.01	2321528	8.8	1713290	13.83
02	VBLK1070205B	218729	12	2327163	8.8	1710550	13.83
03	LCS1070205A	218922	12.01	2331526	8.8	1691666	13.83
04	G145-1111-4D	217437	12.01	2307296	8.8	1678589	13.83
05	G145-1111-4D MS	244801	12	2523211	8.81	1811911	13.83
06	G145-1111-4D MSD	238852	12	2484472	8.8	1776993	13.83
07	NS2-5	274980	12.01	2472285	8.81	1809659	13.83
08	NS4-5	248215	12.01	2524572	8.79	1796934	13.83
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* Values outside of QC limits

Paradigm Analytical Laboratories, INC.

8A

VOLATILE 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.: QCCHK100 Date Analyzed: 07/07/05

Lab File ID (Standard): 0707327.D Time Analyzed: 18:32

Instrument ID: MSD3 Heated Purge: (Y/N) Y

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

		IS1 (BCP) AREA #	RT #	IS2 (FB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	376647	11.72	2969441	8.51	2258785	13.54
	UPPER LIMIT	753294	12.22	5938882	9.01	4517570	14.04
	LOWER LIMIT	188324	11.22	1484721	8.01	1129393	13.04
	EPA SAMPLE						
01	NS1-12	395927	11.73	3010983	8.5	2296977	13.54
02	VBLK3070705D	375283	11.72	2938483	8.51	2205044	13.55
03	LCS3070705D	352858	11.73	2828459	8.5	2127566	13.54
04	G510-233-4B MS	370996	11.72	2852748	8.5	2213671	13.54
05	G510-233-4B MSD	374958	11.73	2829229	8.5	2184092	13.54
06	G510-233-4C	367472	11.72	2862103	8.51	2204268	13.53
07	NS2-10	397835	11.72	3017773	8.51	2326148	13.54
08	NS2-10 (DUP)	392699	11.73	3041110	8.51	2346297	13.54
09	NS2-15	381329	11.72	2990149	8.51	2311855	13.55
10	NS2-18	404478	11.73	3139446	8.51	2384846	13.54
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Paradigm Analytical Laboratories, INC.

8A

VOLATILE 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.: QCCHK100 Date Analyzed: 07/08/05

Lab File ID (Standard): 0708303.D Time Analyzed: 08:49

Instrument ID: MSD3 Heated Purge: (Y/N) Y

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

		IS1 (BCP) AREA #	RT #	IS2 (FB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	336989	11.73	2592770	8.5	1995860	13.54
	UPPER LIMIT	673978	12.23	5185540	9	3991720	14.04
	LOWER LIMIT	168495	11.23	1296385	8	997930	13.04
	EPA SAMPLE						
01	NS3-5	322048	11.72	2516148	8.51	1909515	13.54
02	VBLK3070805B	335753	11.72	2552271	8.51	1940756	13.54
03	LCS3070805B	345618	11.72	2638112	8.5	2014442	13.54
04	G161-2047-15A MSD	329156	11.72	2500022	8.5	1893613	13.54
05	G161-2047-15B MS	311385	11.72	2376262	8.49	1848104	13.54
06	NS3-10	325461	11.72	2494600	8.51	1891842	13.53
07	NS3-15	315941	11.72	2393297	8.5	1817570	13.54
08	NS3-18.5	312057	11.72	2405747	8.51	1825447	13.53
09	NS4-15	323156	11.73	2433775	8.5	1847356	13.54
10	NS4-20	339965	11.73	2656706	8.51	2038074	13.54
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RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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* Values outside of QC limits

Paradigm Analytical Laboratories, INC.

8A

VOLATILE 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.: QCCHK100 Date Analyzed: 07/07/05

Lab File ID (Standard): 0707303.D Time Analyzed: 06:02

Instrument ID: MSD3 Heated Purge: (Y/N) Y

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

		IS1 (BCP) AREA #	RT #	IS2 (FB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	424858	11.72	3357720	8.5	2559682	13.53
	UPPER LIMIT	849716	12.22	6715440	9	5119364	14.03
	LOWER LIMIT	212429	11.22	1678860	8	1279841	13.03
	EPA SAMPLE						
01	NS4-10	415313	11.73	3254781	8.5	2512809	13.54
02	VBLK1070705B	431606	11.72	3478118	8.5	2573469	13.53
03	LCS3070705B	401614	11.73	3179845	8.5	2390314	13.54
04	G161-2047-14A MS	398532	11.72	3071942	8.5	2342569	13.54
05	G161-2047-14A MSD	399095	11.72	3087109	8.5	2347618	13.53
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IS1 (BCP) = Bromochloropropane
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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 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: LCS1070205A
Sample wt/vol: 5 (g) — Lab File ID: 0702103.D
Level: (low/med) MED
% Moisture: not dec. 0% — Date Analyzed: 07/02/05 09:27
GC Column: DB-624 ID: 0.2 (mm) — Dilution Factor: 1
Soil Extract Volume: 5000 (µL) — Soil Aliquot Volume: 5000 (µL)

CAS NO.	COMPOUND	SPIKE AMT (µg/kg)	SAMP CONC (µg/kg)	% REC #	QC LIMITS
67-64-1	acetone	25.0	34.5	138	41.1-159
107-02-8	acrolein	125	116	93.1	NA-214
107-13-1	acrylonitrile	125	141	113	60.4-140
71-43-2	benzene	5.00	5.23	105	77.4-123
108-86-1	bromobenzene	5.00	4.57	91.4	60.2-140
74-97-5	bromochloromethane	5.00	5.08	102	69.2-131
75-27-4	bromodichloromethane	5.00	5.12	102	73.8-126
75-25-2	bromoform	5.00	4.54	90.8	57.3-143
74-83-9	bromomethane	5.00	8.80	176*	33.0-167
78-93-3	2-butanone	25.0	32.6	130	50.5-150
104-51-8	n-butylbenzene	5.00	5.34	107	71.3-129
135-98-8	sec-butylbenzene	5.00	5.28	106	72.2-128
98-06-6	tert-butylbenzene	5.00	5.89	118	75.0-125
75-15-0	Carbon disulfide	5.00	5.55	111	68.3-132
56-23-5	carbon tetrachloride	5.00	5.62	112	76.8-123
108-90-7	chlorobenzene	5.00	4.73	94.6	72.5-128
75-00-3	chloroethane	5.00	5.14	103	72.6-127
110-75-8	2-chloroethyl vinyl ether	12.5	17.9	143	6.49-194
67-66-3	chloroform	5.00	5.34	107	73.5-126
74-87-3	chloromethane	5.00	4.78	95.6	50.7-149
95-49-8	2-chlorotoluene	5.00	5.76	115	77.7-122
106-43-4	4-chlorotoluene	5.00	5.08	102	75.2-125
124-48-1	dibromochloromethane	5.00	4.82	96.4	65.0-135
96-12-8	1,2-dibromo-3-chloropropane	25.0	28.2	113	60.8-139
106-93-4	1,2-dibromomethane	5.00	4.84	96.8	69.7-130
74-95-3	dibromomethane	5.00	5.00	100	76.0-124
95-50-1	1,2-dichlorobenzene	5.00	4.72	94.4	73.0-127
541-73-1	1,3-dichlorobenzene	5.00	4.81	96.2	71.3-129
106-46-7	1,4-dichlorobenzene	5.00	4.77	95.4	72.2-128
110-57-6	trans-1,4-Dichloro-2-butene	25.0	26.2	105	48.0-152
75-71-8	dichlorodifluoromethane	5.00	5.47	109	80.7-119
75-34-3	1,1-dichloroethane	5.00	5.29	106	69.4-130
107-06-2	1,2-dichloroethane	5.00	5.72	114	67.4-133
75-35-4	1,1-dichloroethene	5.00	5.02	100	71.7-128
156-59-2	cis-1,2-dichloroethene	5.00	4.88	97.6	76.4-124
156-60-5	trans-1,2-dichloroethene	5.00	5.08	102	73.9-126
78-87-5	1,2-dichloropropane	5.00	5.09	102	73.0-127
142-28-9	1,3-dichloropropane	5.00	4.95	99.0	76.7-123
594-20-7	2,2-dichloropropane	5.00	5.59	112	41.4-159
563-58-6	1,1-dichloropropene	5.00	5.34	107	72.8-127
10061-01-5	cis-1,3-dichloropropene	5.00	5.30	106	65.6-134

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: LCS1070205A
Sample wt/vol: 5 (g) — Lab File ID: 0702103.D
Level: (low/med) MED
% Moisture: not dec. 0% — Date Analyzed: 07/02/05 09:27
GC Column: DB-624 ID: 0.2 (mm) — Dilution Factor: 1
Soil Extract Volume: 5000 (µL) — Soil Aliquot Volume: 5000 (µL)

CAS NO.	COMPOUND	SPIKE AMT (µg/kg)	SAMP CONC (µg/kg)	% REC #	QC LIMITS
10061-02-6	trans-1,3-dichloropropene	5.00	5.43	108	64.4-136
108-20-3	Diisopropyl ether	5.00	5.49	110	69.7-130
100-41-4	ethylbenzene	5.00	4.82	96.4	77.0-123
87-68-3	hexachlorobutadiene	5.00	4.92	98.4	57.4-142
591-78-6	2-hexanone	25.0	30.0	120	57.3-143
74-88-4	Iodomethane	5.00	7.63	152*	57.3-143
98-82-8	isopropylbenzene	5.00	4.94	98.8	76.5-123
99-87-6	4-isopropyltoluene	5.00	5.42	108	73.8-126
1634-04-4	Methyl-tert-butyl ether	5.00	5.54	111	67.9-132
75-09-2	methylene chloride	5.00	5.11	102	20.0-337
108-10-1	4-methyl-2-pentanone	25.0	27.8	111	62.3-138
91-20-3	naphthalene	5.00	4.94	98.8	59.0-141
103-65-1	n-propyl benzene	5.00	5.13	103	75.3-125
100-42-5	styrene	5.00	4.70	94.0	77.3-123
630-20-6	1,1,1,2-tetrachloroethane	5.00	4.80	96.0	67.3-133
79-34-5	1,1,2,2-tetrachloroethane	5.00	4.87	97.4	62.3-138
127-18-4	tetrachloroethene	5.00	4.61	92.2	56.0-144
108-88-3	toluene	5.00	4.93	98.6	75.9-124
87-61-6	1,2,3-trichlorobenzene	5.00	5.02	100	52.8-147
120-82-1	1,2,4-trichlorobenzene	5.00	5.07	101	54.4-146
71-55-6	1,1,1-trichloroethane	5.00	5.38	108	75.0-125
79-00-5	1,1,2-trichloroethane	5.00	4.89	97.8	73.9-126
79-01-6	trichloroethene	5.00	4.91	98.2	77.9-122
75-69-4	trichlorofluoromethane	5.00	5.63	113	82.7-117
96-18-4	1,2,3-trichloropropane	5.00	5.29	106	61.5-138
95-36-3	1,2,4-trimethylbenzene	5.00	5.33	107	73.8-126
108-67-8	1,3,5-trimethylbenzene	5.00	5.09	102	74.6-125
108-05-4	Vinyl acetate	12.5	14.5	116	5.00-NA
75-01-4	vinyl chloride	5.00	5.52	110	74.5-126
108-38-3	m/p-xylene	10.0	9.84	98.4	76.2-124
95-47-6	o-xylene	5.00	4.97	99.4	76.0-124

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: LCS3070705D
Sample wt/vol: 5 (g) Lab File ID: 0707329.D
Level: (low/med) LOW
% Moisture: not dec. 0% Date Analyzed: 07/07/05 19:34
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	144	144	50.8-149
107-02-8	acrolein	1000	2440	244*	NA-238
107-13-1	acrylonitrile	1000	1320	132	NA-212
71-43-2	benzene	100	109	109	77.6-122
108-86-1	bromobenzene	100	117	117	76.3-124
74-97-5	bromochloromethane	100	116	116	80.5-120
75-27-4	bromodichloromethane	100	113	113	77.4-122
75-25-2	bromoform	100	124	124*	81.8-118
74-83-9	bromomethane	100	101	101	31.5-168
78-93-3	2-butanone	100	140	140	56.5-144
104-51-8	n-butylbenzene	100	117	117	76.8-123
135-98-8	sec-butylbenzene	100	120	120	78.5-122
98-06-6	tert-butylbenzene	100	116	116	77.7-122
75-15-0	Carbon disulfide	100	111	111	74.3-126
56-23-5	carbon tetrachloride	100	115	115	68.0-132
108-90-7	chlorobenzene	100	115	115	75.3-125
75-00-3	chloroethane	100	74.5	74.5	10.0-260
110-75-8	2-chloroethyl vinyl ether	100	0.00	0.00	NA-1020
67-66-3	chloroform	100	111	111	74.7-125
74-87-3	chloromethane	100	98.3	98.3	78.6-121
95-49-8	2-chlorotoluene	100	111	111	77.8-122
106-43-4	4-chlorotoluene	100	111	111	77.2-123
124-48-1	dibromochloromethane	100	119	119	75.1-125
96-12-8	1,2-dibromo-3-chloropropane	500	130	26.0*	67.4-133
106-93-4	1,2-dibromomethane	100	124	124*	80.2-120
74-95-3	dibromomethane	100	120	120*	81.0-119
95-50-1	1,2-dichlorobenzene	100	113	113	80.1-120
541-73-1	1,3-dichlorobenzene	100	112	112	78.9-121
106-46-7	1,4-dichlorobenzene	100	111	111	78.8-121
110-57-6	trans-1,4-Dichloro-2-butene	500	125	24.9*	69.5-130
75-71-8	dichlorodifluoromethane	100	102	102	65.0-135
75-34-3	1,1-dichloroethane	100	108	108	74.2-126
107-06-2	1,2-dichloroethane	100	110	110	74.9-125
75-35-4	1,1-dichloroethene	100	111	111	78.5-121
156-59-2	cis-1,2-dichloroethene	100	113	113	77.6-122
156-60-5	trans-1,2-dichloroethene	100	113	113	78.5-121
78-87-5	1,2-dichloropropane	100	110	110	76.6-123
142-28-9	1,3-dichloropropane	100	118	118*	84.9-115
594-20-7	2,2-dichloropropane	100	107	107	68.6-131
563-58-6	1,1-dichloropropene	100	113	113	79.3-121
10061-01-5	cis-1,3-dichloropropene	100	113	113	75.8-124

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: LCS3070705D
Sample wt/vol: 5 (g) Lab File ID: 0707329.D
Level: (low/med) LOW
% Moisture: not dec. 0% Date Analyzed: 07/07/05 19:34
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	114	114	77.5-122
108-20-3	Diisopropyl ether	100	106	106	71.8-128
100-41-4	ethylbenzene	100	119	119	76.3-124
87-68-3	hexachlorobutadiene	100	123	123	73.5-126
591-78-6	2-hexanone	100	132	132	61.2-139
74-88-4	Iodomethane	100	89.4	89.4	37.0-163
98-82-8	isopropylbenzene	100	118	118	77.6-122
99-87-6	4-isopropyltoluene	100	117	117	78.1-122
1634-04-4	Methyl-tert-butyl ether	100	114	114	78.9-121
75-09-2	methylene chloride	100	112	112	57.9-142
108-10-1	4-methyl-2-pentanone	100	125	125	65.1-135
91-20-3	naphthalene	100	117	117	69.3-131
103-65-1	n-propyl benzene	100	123	123*	78.3-122
100-42-5	styrene	100	114	114	82.7-117
630-20-6	1,1,1,2-tetrachloroethane	100	114	114	73.0-127
79-34-5	1,1,2,2-tetrachloroethane	100	126	126*	78.4-122
127-18-4	tetrachloroethene	100	120	120	73.0-127
108-88-3	toluene	100	115	115	75.7-124
87-61-6	1,2,3-trichlorobenzene	100	119	119	76.5-124
120-82-1	1,2,4-trichlorobenzene	100	118	118	74.2-126
71-55-6	1,1,1-trichloroethane	100	113	113	70.5-130
79-00-5	1,1,2-trichloroethane	100	123	123*	84.2-116
79-01-6	trichloroethene	100	113	113	60.8-139
75-69-4	trichlorofluoromethane	100	75.8	75.8	10.0-232
96-18-4	1,2,3-trichloropropane	100	130	130*	74.4-126
95-36-3	1,2,4-trimethylbenzene	100	114	114	77.4-122
108-67-8	1,3,5-trimethylbenzene	100	114	114	77.6-122
108-05-4	Vinyl acetate	250	147	58.8	NA-NA
75-01-4	vinyl chloride	100	101	101	79.6-120
108-38-3	m/p-xylene	200	226	113	78.8-121
95-47-6	o-xylene	100	114	114	78.7-121

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: LCS3070805B
Sample wt/vol: 5 (g) Lab File ID: 0708305.D
Level: (low/med) LOW
% Moisture: not dec. 0% Date Analyzed: 07/08/05 09:51
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	121	121	50.8-149
107-02-8	acrolein	1000	80.9	8.09	NA-238
107-13-1	acrylonitrile	1000	108	10.8	NA-212
71-43-2	benzene	100	102	102	77.6-122
108-86-1	bromobenzene	100	101	101	76.3-124
74-97-5	bromochloromethane	100	105	105	80.5-120
75-27-4	bromodichloromethane	100	102	102	77.4-122
75-25-2	bromoform	100	116	116	81.8-118
74-83-9	bromomethane	100	90.2	90.2	31.5-168
78-93-3	2-butanone	100	125	125	56.5-144
104-51-8	n-butylbenzene	100	105	105	76.8-123
135-98-8	sec-butylbenzene	100	105	105	78.5-122
98-06-6	tert-butylbenzene	100	106	106	77.7-122
75-15-0	Carbon disulfide	100	103	103	74.3-126
56-23-5	carbon tetrachloride	100	102	102	68.0-132
108-90-7	chlorobenzene	100	99.1	99.1	75.3-125
75-00-3	chloroethane	100	37.1	37.1	10.0-260
110-75-8	2-chloroethyl vinyl ether	100	0.00	0.00	NA-1020
67-66-3	chloroform	100	104	104	74.7-125
74-87-3	chloromethane	100	94.7	94.7	78.6-121
95-49-8	2-chlorotoluene	100	103	103	77.8-122
106-43-4	4-chlorotoluene	100	101	101	77.2-123
124-48-1	dibromochloromethane	100	99.4	99.4	75.1-125
96-12-8	1,2-dibromo-3-chloropropane	500	117	23.5*	67.4-133
106-93-4	1,2-dibromomethane	100	104	104	80.2-120
74-95-3	dibromomethane	100	106	106	81.0-119
95-50-1	1,2-dichlorobenzene	100	104	104	80.1-120
541-73-1	1,3-dichlorobenzene	100	104	104	78.9-121
106-46-7	1,4-dichlorobenzene	100	102	102	78.8-121
110-57-6	trans-1,4-Dichloro-2-butene	500	114	22.9*	69.5-130
75-71-8	dichlorodifluoromethane	100	98.5	98.5	65.0-135
75-34-3	1,1-dichloroethane	100	104	104	74.2-126
107-06-2	1,2-dichloroethane	100	99.4	99.4	74.9-125
75-35-4	1,1-dichloroethene	100	106	106	78.5-121
156-59-2	cis-1,2-dichloroethene	100	105	105	77.6-122
156-60-5	trans-1,2-dichloroethene	100	105	105	78.5-121
78-87-5	1,2-dichloropropane	100	103	103	76.6-123
142-28-9	1,3-dichloropropane	100	102	102	84.9-115
594-20-7	2,2-dichloropropane	100	98.2	98.2	68.6-131
563-58-6	1,1-dichloropropene	100	104	104	79.3-121
10061-01-5	cis-1,3-dichloropropene	100	106	106	75.8-124

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: LCS3070805B
Sample wt/vol: 5 (g) Lab File ID: 0708305.D
Level: (low/med) LOW
% Moisture: not dec. 0% Date Analyzed: 07/08/05 09:51
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	106	106	77.5-122
108-20-3	Diisopropyl ether	100	100	100	71.8-128
100-41-4	ethylbenzene	100	105	105	76.3-124
87-68-3	hexachlorobutadiene	100	107	107	73.5-126
591-78-6	2-hexanone	100	112	112	61.2-139
74-88-4	Iodomethane	100	126	126	37.0-163
98-82-8	isopropylbenzene	100	103	103	77.6-122
99-87-6	4-isopropyltoluene	100	108	108	78.1-122
1634-04-4	Methyl-tert-butyl ether	100	106	106	78.9-121
75-09-2	methylene chloride	100	100	100	57.9-142
108-10-1	4-methyl-2-pentanone	100	110	110	65.1-135
91-20-3	naphthalene	100	122	122	69.3-131
103-65-1	n-propyl benzene	100	108	108	78.3-122
100-42-5	styrene	100	105	105	82.7-117
630-20-6	1,1,1,2-tetrachloroethane	100	98.2	98.2	73.0-127
79-34-5	1,1,2,2-tetrachloroethane	100	112	112	78.4-122
127-18-4	tetrachloroethene	100	101	101	73.0-127
108-88-3	toluene	100	106	106	75.7-124
87-61-6	1,2,3-trichlorobenzene	100	106	106	76.5-124
120-82-1	1,2,4-trichlorobenzene	100	105	105	74.2-126
71-55-6	1,1,1-trichloroethane	100	102	102	70.5-130
79-00-5	1,1,2-trichloroethane	100	102	102	84.2-116
79-01-6	trichloroethene	100	102	102	60.8-139
75-69-4	trichlorofluoromethane	100	94.3	94.3	10.0-232
96-18-4	1,2,3-trichloropropane	100	126	126*	74.4-126
95-36-3	1,2,4-trimethylbenzene	100	105	105	77.4-122
108-67-8	1,3,5-trimethylbenzene	100	105	105	77.6-122
108-05-4	Vinyl acetate	250	105	41.8	NA-NA
75-01-4	vinyl chloride	100	107	107	79.6-120
108-38-3	m/p-xylene	200	208	104	78.8-121
95-47-6	o-xylene	100	104	104	78.7-121

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: LCS3070705B
Sample wt/vol: 5 (g) Lab File ID: 0707305.D
Level: (low/med) LOW
% Moisture: not dec. 0% Date Analyzed: 07/07/05 07:04
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	150	150*	50.8-149
107-02-8	acrolein	1000	5720	572*	NA-238
107-13-1	acrylonitrile	1000	1380	138	NA-212
71-43-2	benzene	100	101	101	77.6-122
108-86-1	bromobenzene	100	108	108	76.3-124
74-97-5	bromochloromethane	100	109	109	80.5-120
75-27-4	bromodichloromethane	100	107	107	77.4-122
75-25-2	bromoform	100	124	124*	81.8-118
74-83-9	bromomethane	100	100	100	31.5-168
78-93-3	2-butanone	100	141	141	56.5-144
104-51-8	n-butylbenzene	100	108	108	76.8-123
135-98-8	sec-butylbenzene	100	108	108	78.5-122
98-06-6	tert-butylbenzene	100	105	105	77.7-122
75-15-0	Carbon disulfide	100	98.2	98.2	74.3-126
56-23-5	carbon tetrachloride	100	104	104	68.0-132
108-90-7	chlorobenzene	100	105	105	75.3-125
75-00-3	chloroethane	100	64.0	64.0	10.0-260
110-75-8	2-chloroethyl vinyl ether	100	0.00	0.00	NA-1020
67-66-3	chloroform	100	103	103	74.7-125
74-87-3	chloromethane	100	89.0	89.0	78.6-121
95-49-8	2-chlorotoluene	100	104	104	77.8-122
106-43-4	4-chlorotoluene	100	103	103	77.2-123
124-48-1	dibromochloromethane	100	114	114	75.1-125
96-12-8	1,2-dibromo-3-chloropropane	500	133	26.5*	67.4-133
106-93-4	1,2-dibromomethane	100	120	120*	80.2-120
74-95-3	dibromomethane	100	117	117	81.0-119
95-50-1	1,2-dichlorobenzene	100	106	106	80.1-120
541-73-1	1,3-dichlorobenzene	100	104	104	78.9-121
106-46-7	1,4-dichlorobenzene	100	104	104	78.8-121
110-57-6	trans-1,4-Dichloro-2-butene	500	128	25.6*	69.5-130
75-71-8	dichlorodifluoromethane	100	90.8	90.8	65.0-135
75-34-3	1,1-dichloroethane	100	100	100	74.2-126
107-06-2	1,2-dichloroethane	100	107	107	74.9-125
75-35-4	1,1-dichloroethene	100	103	103	78.5-121
156-59-2	cis-1,2-dichloroethene	100	105	105	77.6-122
156-60-5	trans-1,2-dichloroethene	100	105	105	78.5-121
78-87-5	1,2-dichloropropane	100	103	103	76.6-123
142-28-9	1,3-dichloropropane	100	113	113	84.9-115
594-20-7	2,2-dichloropropane	100	105	105	68.6-131
563-58-6	1,1-dichloropropene	100	102	102	79.3-121
10061-01-5	cis-1,3-dichloropropene	100	109	109	75.8-124

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: LCS3070705B
Sample wt/vol: 5 (g) Lab File ID: 0707305.D
Level: (low/med) LOW
% Moisture: not dec. 0% Date Analyzed: 07/07/05 07:04
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	110	110	77.5-122
108-20-3	Diisopropyl ether	100	98.1	98.1	71.8-128
100-41-4	ethylbenzene	100	108	108	76.3-124
87-68-3	hexachlorobutadiene	100	112	112	73.5-126
591-78-6	2-hexanone	100	131	131	61.2-139
74-88-4	Iodomethane	100	95.4	95.4	37.0-163
98-82-8	isopropylbenzene	100	108	108	77.6-122
99-87-6	4-isopropyltoluene	100	106	106	78.1-122
1634-04-4	Methyl-tert-butyl ether	100	110	110	78.9-121
75-09-2	methylene chloride	100	105	105	57.9-142
108-10-1	4-methyl-2-pentanone	100	124	124	65.1-135
91-20-3	naphthalene	100	121	121	69.3-131
103-65-1	n-propyl benzene	100	111	111	78.3-122
100-42-5	styrene	100	106	106	82.7-117
630-20-6	1,1,1,2-tetrachloroethane	100	104	104	73.0-127
79-34-5	1,1,2,2-tetrachloroethane	100	125	125*	78.4-122
127-18-4	tetrachloroethene	100	109	109	73.0-127
108-88-3	toluene	100	106	106	75.7-124
87-61-6	1,2,3-trichlorobenzene	100	115	115	76.5-124
120-82-1	1,2,4-trichlorobenzene	100	116	116	74.2-126
71-55-6	1,1,1-trichloroethane	100	102	102	70.5-130
79-00-5	1,1,2-trichloroethane	100	118	118*	84.2-116
79-01-6	trichloroethene	100	103	103	60.8-139
75-69-4	trichlorofluoromethane	100	74.9	74.9	10.0-232
96-18-4	1,2,3-trichloropropane	100	128	128*	74.4-126
95-36-3	1,2,4-trimethylbenzene	100	105	105	77.4-122
108-67-8	1,3,5-trimethylbenzene	100	104	104	77.6-122
108-05-4	Vinyl acetate	250	254	102	NA-NA
75-01-4	vinyl chloride	100	93.0	93.0	79.6-120
108-38-3	m/p-xylene	200	208	104	78.8-121
95-47-6	o-xylene	100	104	104	78.7-121

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: LCS3071205B
Sample wt/vol: 5 (g) Lab File ID: 0712304.D
Level: (low/med) LOW
% Moisture: not dec. 0% Date Analyzed: 07/12/05 09:46
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	145	145	50.8-149
107-02-8	acrolein	1000	1230	123	NA-238
107-13-1	acrylonitrile	1000	1340	134	NA-212
71-43-2	benzene	100	104	104	77.6-122
108-86-1	bromobenzene	100	107	107	76.3-124
74-97-5	bromochloromethane	100	113	113	80.5-120
75-27-4	bromodichloromethane	100	110	110	77.4-122
75-25-2	bromoform	100	104	104	81.8-118
74-83-9	bromomethane	100	91.5	91.5	31.5-168
78-93-3	2-butanone	100	131	131	56.5-144
104-51-8	n-butylbenzene	100	99.3	99.3	76.8-123
135-98-8	sec-butylbenzene	100	102	102	78.5-122
98-06-6	tert-butylbenzene	100	103	103	77.7-122
75-15-0	Carbon disulfide	100	106	106	74.3-126
56-23-5	carbon tetrachloride	100	110	110	68.0-132
108-90-7	chlorobenzene	100	108	108	75.3-125
75-00-3	chloroethane	100	118	118	10.0-260
110-75-8	2-chloroethyl vinyl ether	100	138	138	NA-1020
67-66-3	chloroform	100	110	110	74.7-125
74-87-3	chloromethane	100	116	116	78.6-121
95-49-8	2-chlorotoluene	100	107	107	77.8-122
106-43-4	4-chlorotoluene	100	107	107	77.2-123
124-48-1	dibromochloromethane	100	117	117	75.1-125
96-12-8	1,2-dibromo-3-chloropropane	500	576	115	67.4-133
106-93-4	1,2-dibromomethane	100	116	116	80.2-120
74-95-3	dibromomethane	100	119	119*	81.0-119
95-50-1	1,2-dichlorobenzene	100	107	107	80.1-120
541-73-1	1,3-dichlorobenzene	100	107	107	78.9-121
106-46-7	1,4-dichlorobenzene	100	107	107	78.8-121
110-57-6	trans-1,4-Dichloro-2-butene	500	578	116	69.5-130
75-71-8	dichlorodifluoromethane	100	114	114	65.0-135
75-34-3	1,1-dichloroethane	100	112	112	74.2-126
107-06-2	1,2-dichloroethane	100	122	122	74.9-125
75-35-4	1,1-dichloroethene	100	105	105	78.5-121
156-59-2	cis-1,2-dichloroethene	100	107	107	77.6-122
156-60-5	trans-1,2-dichloroethene	100	106	106	78.5-121
78-87-5	1,2-dichloropropane	100	108	108	76.6-123
142-28-9	1,3-dichloropropane	100	115	115*	84.9-115
594-20-7	2,2-dichloropropane	100	110	110	68.6-131
563-58-6	1,1-dichloropropene	100	107	107	79.3-121
10061-01-5	cis-1,3-dichloropropene	100	116	116	75.8-124

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: LCS3071205B
Sample wt/vol: 5 (g) Lab File ID: 0712304.D
Level: (low/med) LOW
% Moisture: not dec. 0% Date Analyzed: 07/12/05 09:46
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	116	116	77.5-122
108-20-3	Diisopropyl ether	100	113	113	71.8-128
100-41-4	ethylbenzene	100	109	109	76.3-124
87-68-3	hexachlorobutadiene	100	99.9	99.9	73.5-126
591-78-6	2-hexanone	100	119	119	61.2-139
74-88-4	Iodomethane	100	106	106	37.0-163
98-82-8	isopropylbenzene	100	106	106	77.6-122
99-87-6	4-isopropyltoluene	100	101	101	78.1-122
1634-04-4	Methyl-tert-butyl ether	100	117	117	78.9-121
75-09-2	methylene chloride	100	112	112	57.9-142
108-10-1	4-methyl-2-pentanone	100	126	126	65.1-135
91-20-3	naphthalene	100	118	118	69.3-131
103-65-1	n-propyl benzene	100	104	104	78.3-122
100-42-5	styrene	100	112	112	82.7-117
630-20-6	1,1,1,2-tetrachloroethane	100	110	110	73.0-127
79-34-5	1,1,2,2-tetrachloroethane	100	117	117	78.4-122
127-18-4	tetrachloroethene	100	103	103	73.0-127
108-88-3	toluene	100	102	102	75.7-124
87-61-6	1,2,3-trichlorobenzene	100	113	113	76.5-124
120-82-1	1,2,4-trichlorobenzene	100	92.8	92.8	74.2-126
71-55-6	1,1,1-trichloroethane	100	110	110	70.5-130
79-00-5	1,1,2-trichloroethane	100	113	113	84.2-116
79-01-6	trichloroethene	100	105	105	60.8-139
75-69-4	trichlorofluoromethane	100	126	126	10.0-232
96-18-4	1,2,3-trichloropropane	100	123	123	74.4-126
95-36-3	1,2,4-trimethylbenzene	100	104	104	77.4-122
108-67-8	1,3,5-trimethylbenzene	100	105	105	77.6-122
108-05-4	Vinyl acetate	250	278	111	NA-NA
75-01-4	vinyl chloride	100	114	114	79.6-120
108-38-3	m/p-xylene	200	221	110	78.8-121
95-47-6	o-xylene	100	110	110	78.7-121

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS1-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-1H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:45
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 96.11

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.296	1	7/8/2005
Acenaphthylene	BQL	0.296	1	7/8/2005
Anthracene	BQL	0.296	1	7/8/2005
Benzo[a]anthracene	**0.447**	0.296	1	7/8/2005
Benzo[a]pyrene	**1.19**	0.296	1	7/8/2005
Benzo[b]fluoranthene	**0.917**	0.296	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.296	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.296	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.296	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.296	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.296	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.296	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.296	1	7/8/2005
Butylbenzylphthalate	BQL	0.296	1	7/8/2005
2-Chloronaphthalene	BQL	0.296	1	7/8/2005
4-Chloroaniline	BQL	1.48	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.296	1	7/8/2005
Chrysene	**0.541**	0.296	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.296	1	7/8/2005
Dibenzofuran	BQL	0.296	1	7/8/2005
Di-n-Butylphthalate	BQL	0.296	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.296	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.296	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.296	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.592	1	7/8/2005
Diethylphthalate	BQL	0.296	1	7/8/2005
Dimethylphthalate	BQL	0.296	1	7/8/2005
Di-n-octylphthalate	BQL	0.296	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.296	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.296	1	7/8/2005
Diphenylamine *	BQL	0.296	1	7/8/2005
Fluoranthene	**0.450**	0.296	1	7/8/2005
Fluorene	BQL	0.296	1	7/8/2005
Hexachlorobenzene	BQL	0.296	1	7/8/2005
Hexachlorobutadiene	BQL	0.296	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.592	1	7/8/2005
Hexachloroethane	BQL	0.296	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.296	1	7/8/2005
Isophorone	BQL	0.296	1	7/8/2005
2-Methylnaphthalene	**0.745**	0.296	1	7/8/2005
Naphthalene	**2.72**	0.296	1	7/8/2005
2-Nitroaniline	BQL	0.296	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS1-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-1H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:45
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 96.11

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.48	1	7/8/2005
4-Nitroaniline	BQL	1.48	1	7/8/2005
Nitrobenzene	BQL	0.296	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.296	1	7/8/2005
Phenanthrene	BQL	0.296	1	7/8/2005
Pyrene	**0.917**	0.296	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.296	1	7/8/2005

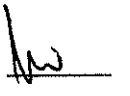
	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
Nitrobenzene-d5	10	10.7	107
4-Terphenyl-d14	10	11.2	112

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: NS1-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-2H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:50
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 93.73

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.326	1	7/8/2005
Acenaphthylene	BQL	0.326	1	7/8/2005
Anthracene	BQL	0.326	1	7/8/2005
Benzo[a]anthracene	BQL	0.326	1	7/8/2005
Benzo[a]pyrene	BQL	0.326	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.326	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.326	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.326	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.326	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.326	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.326	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.326	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.326	1	7/8/2005
Butylbenzylphthalate	BQL	0.326	1	7/8/2005
2-Chloronaphthalene	BQL	0.326	1	7/8/2005
4-Chloroaniline	BQL	1.63	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.326	1	7/8/2005
Chrysene	BQL	0.326	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.326	1	7/8/2005
Dibenzofuran	BQL	0.326	1	7/8/2005
Di-n-Butylphthalate	BQL	0.326	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.326	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.326	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.326	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.653	1	7/8/2005
Diethylphthalate	BQL	0.326	1	7/8/2005
Dimethylphthalate	BQL	0.326	1	7/8/2005
Di-n-octylphthalate	BQL	0.326	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.326	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.326	1	7/8/2005
Diphenylamine *	BQL	0.326	1	7/8/2005
Fluoranthene	BQL	0.326	1	7/8/2005
Fluorene	BQL	0.326	1	7/8/2005
Hexachlorobenzene	BQL	0.326	1	7/8/2005
Hexachlorobutadiene	BQL	0.326	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.653	1	7/8/2005
Hexachloroethane	BQL	0.326	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.326	1	7/8/2005
Isophorone	BQL	0.326	1	7/8/2005
2-Methylnaphthalene	BQL	0.326	1	7/8/2005
Naphthalene	BQL	0.326	1	7/8/2005
2-Nitroaniline	BQL	0.326	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS1-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-2H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:50
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 93.73

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.63	1	7/8/2005
4-Nitroaniline	BQL	1.63	1	7/8/2005
Nitrobenzene	BQL	0.326	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.326	1	7/8/2005
Phenanthrene	BQL	0.326	1	7/8/2005
Pyrene	BQL	0.326	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.326	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.1	101
Nitrobenzene-d5	10	10.3	103
4-Terphenyl-d14	10	13.5	135

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: NS1-12
Client Project ID: North State Milling
Lab Sample ID: G161-2047-3H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:52
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.28

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.329	1	7/8/2005
Acenaphthylene	BQL	0.329	1	7/8/2005
Anthracene	BQL	0.329	1	7/8/2005
Benzo[a]anthracene	BQL	0.329	1	7/8/2005
Benzo[a]pyrene	BQL	0.329	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.329	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.329	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.329	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.329	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.329	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.329	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.329	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.329	1	7/8/2005
Butylbenzylphthalate	BQL	0.329	1	7/8/2005
2-Chloronaphthalene	BQL	0.329	1	7/8/2005
4-Chloroaniline	BQL	1.65	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.329	1	7/8/2005
Chrysene	BQL	0.329	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.329	1	7/8/2005
Dibenzofuran	BQL	0.329	1	7/8/2005
Di-n-Butylphthalate	BQL	0.329	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.329	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.329	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.329	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.659	1	7/8/2005
Diethylphthalate	BQL	0.329	1	7/8/2005
Dimethylphthalate	BQL	0.329	1	7/8/2005
Di-n-octylphthalate	BQL	0.329	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.329	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.329	1	7/8/2005
Diphenylamine *	BQL	0.329	1	7/8/2005
Fluoranthene	BQL	0.329	1	7/8/2005
Fluorene	BQL	0.329	1	7/8/2005
Hexachlorobenzene	BQL	0.329	1	7/8/2005
Hexachlorobutadiene	BQL	0.329	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.659	1	7/8/2005
Hexachloroethane	BQL	0.329	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.329	1	7/8/2005
Isophorone	BQL	0.329	1	7/8/2005
2-Methylnaphthalene	BQL	0.329	1	7/8/2005
Naphthalene	BQL	0.329	1	7/8/2005
2-Nitroaniline	BQL	0.329	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS1-12
Client Project ID: North State Milling
Lab Sample ID: G161-2047-3H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:52
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.28

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.65	1	7/8/2005
4-Nitroaniline	BQL	1.65	1	7/8/2005
Nitrobenzene	BQL	0.329	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.329	1	7/8/2005
Phenanthrene	BQL	0.329	1	7/8/2005
Pyrene	BQL	0.329	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.329	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10	100
Nitrobenzene-d5	10	10.1	101
4-Terphenyl-d14	10	13.1	131

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: NS2-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-4H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:00
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 83.95

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.369	1	7/8/2005
Acenaphthylene	BQL	0.369	1	7/8/2005
Anthracene	BQL	0.369	1	7/8/2005
Benzo[a]anthracene	BQL	0.369	1	7/8/2005
Benzo[a]pyrene	BQL	0.369	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.369	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.369	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.369	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.369	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.369	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.369	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.369	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.369	1	7/8/2005
Butylbenzylphthalate	BQL	0.369	1	7/8/2005
2-Chloronaphthalene	BQL	0.369	1	7/8/2005
4-Chloroaniline	BQL	1.85	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.369	1	7/8/2005
Chrysene	BQL	0.369	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.369	1	7/8/2005
Dibenzofuran	BQL	0.369	1	7/8/2005
Di-n-Butylphthalate	BQL	0.369	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.369	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.369	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.369	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.738	1	7/8/2005
Diethylphthalate	BQL	0.369	1	7/8/2005
Dimethylphthalate	BQL	0.369	1	7/8/2005
Di-n-octylphthalate	BQL	0.369	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.369	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.369	1	7/8/2005
Diphenylamine *	BQL	0.369	1	7/8/2005
Fluoranthene	BQL	0.369	1	7/8/2005
Fluorene	BQL	0.369	1	7/8/2005
Hexachlorobenzene	BQL	0.369	1	7/8/2005
Hexachlorobutadiene	BQL	0.369	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.738	1	7/8/2005
Hexachloroethane	BQL	0.369	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.369	1	7/8/2005
Isophorone	BQL	0.369	1	7/8/2005
2-Methylnaphthalene	BQL	0.369	1	7/8/2005
Naphthalene	**0.827**	0.369	1	7/8/2005
2-Nitroaniline	BQL	0.369	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-4H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:00
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 83.95

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.85	1	7/8/2005
4-Nitroaniline	BQL	1.85	1	7/8/2005
Nitrobenzene	BQL	0.369	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.369	1	7/8/2005
Phenanthrene	BQL	0.369	1	7/8/2005
Pyrene	BQL	0.369	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.369	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
Nitrobenzene-d5	10	9.9	99
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 for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-5H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:05
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 92.8

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.327	1	7/8/2005
Acenaphthylene	BQL	0.327	1	7/8/2005
Anthracene	BQL	0.327	1	7/8/2005
Benzo[a]anthracene	BQL	0.327	1	7/8/2005
Benzo[a]pyrene	BQL	0.327	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.327	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.327	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.327	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.327	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.327	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.327	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.327	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.327	1	7/8/2005
Butylbenzylphthalate	BQL	0.327	1	7/8/2005
2-Chloronaphthalene	BQL	0.327	1	7/8/2005
4-Chloroaniline	BQL	1.64	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.327	1	7/8/2005
Chrysene	BQL	0.327	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.327	1	7/8/2005
Dibenzofuran	BQL	0.327	1	7/8/2005
Di-n-Butylphthalate	BQL	0.327	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.327	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.327	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.327	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.655	1	7/8/2005
Diethylphthalate	BQL	0.327	1	7/8/2005
Dimethylphthalate	BQL	0.327	1	7/8/2005
Di-n-octylphthalate	BQL	0.327	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.327	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.327	1	7/8/2005
Diphenylamine *	BQL	0.327	1	7/8/2005
Fluoranthene	BQL	0.327	1	7/8/2005
Fluorene	BQL	0.327	1	7/8/2005
Hexachlorobenzene	BQL	0.327	1	7/8/2005
Hexachlorobutadiene	BQL	0.327	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.655	1	7/8/2005
Hexachloroethane	BQL	0.327	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.327	1	7/8/2005
Isophorone	BQL	0.327	1	7/8/2005
2-Methylnaphthalene	BQL	0.327	1	7/8/2005
Naphthalene	BQL	0.327	1	7/8/2005
2-Nitroaniline	BQL	0.327	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-5H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:05
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 92.8

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.64	1	7/8/2005
4-Nitroaniline	BQL	1.64	1	7/8/2005
Nitrobenzene	BQL	0.327	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.327	1	7/8/2005
Phenanthrene	BQL	0.327	1	7/8/2005
Pyrene	BQL	0.327	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.327	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.7	97
Nitrobenzene-d5	10	10	100
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: NS2-10 (Dup)
Client Project ID: North State Milling
Lab Sample ID: G161-2047-6H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:05
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.09

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.342	1	7/8/2005
Acenaphthylene	BQL	0.342	1	7/8/2005
Anthracene	BQL	0.342	1	7/8/2005
Benzo[a]anthracene	BQL	0.342	1	7/8/2005
Benzo[a]pyrene	BQL	0.342	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.342	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.342	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.342	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.342	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.342	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.342	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.342	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.342	1	7/8/2005
Butylbenzylphthalate	BQL	0.342	1	7/8/2005
2-Chloronaphthalene	BQL	0.342	1	7/8/2005
4-Chloroaniline	BQL	1.71	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.342	1	7/8/2005
Chrysene	BQL	0.342	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.342	1	7/8/2005
Dibenzofuran	BQL	0.342	1	7/8/2005
Di-n-Butylphthalate	BQL	0.342	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.342	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.342	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.342	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.684	1	7/8/2005
Diethylphthalate	BQL	0.342	1	7/8/2005
Dimethylphthalate	BQL	0.342	1	7/8/2005
Di-n-octylphthalate	BQL	0.342	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.342	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.342	1	7/8/2005
Diphenylamine *	BQL	0.342	1	7/8/2005
Fluoranthene	BQL	0.342	1	7/8/2005
Fluorene	BQL	0.342	1	7/8/2005
Hexachlorobenzene	BQL	0.342	1	7/8/2005
Hexachlorobutadiene	BQL	0.342	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.684	1	7/8/2005
Hexachloroethane	BQL	0.342	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.342	1	7/8/2005
Isophorone	BQL	0.342	1	7/8/2005
2-Methylnaphthalene	BQL	0.342	1	7/8/2005
Naphthalene	BQL	0.342	1	7/8/2005
2-Nitroaniline	BQL	0.342	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-10 (Dup)
Client Project ID: North State Milling
Lab Sample ID: G161-2047-6H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:05
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.09

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.71	1	7/8/2005
4-Nitroaniline	BQL	1.71	1	7/8/2005
Nitrobenzene	BQL	0.342	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.342	1	7/8/2005
Phenanthrene	BQL	0.342	1	7/8/2005
Pyrene	BQL	0.342	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.342	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.9	99
Nitrobenzene-d5	10	9.9	99
4-Terphenyl-d14	10	13.7	137

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: NS2-15
Client Project ID: North State Milling
Lab Sample ID: G161-2047-7H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:07
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.99

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.339	1	7/8/2005
Acenaphthylene	BQL	0.339	1	7/8/2005
Anthracene	BQL	0.339	1	7/8/2005
Benzo[a]anthracene	BQL	0.339	1	7/8/2005
Benzo[a]pyrene	BQL	0.339	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.339	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.339	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.339	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.339	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.339	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.339	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.339	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.339	1	7/8/2005
Butylbenzylphthalate	BQL	0.339	1	7/8/2005
2-Chloronaphthalene	BQL	0.339	1	7/8/2005
4-Chloroaniline	BQL	1.70	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.339	1	7/8/2005
Chrysene	BQL	0.339	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.339	1	7/8/2005
Dibenzofuran	BQL	0.339	1	7/8/2005
Di-n-Butylphthalate	BQL	0.339	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.339	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.339	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.339	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.679	1	7/8/2005
Diethylphthalate	BQL	0.339	1	7/8/2005
Dimethylphthalate	BQL	0.339	1	7/8/2005
Di-n-octylphthalate	BQL	0.339	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.339	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.339	1	7/8/2005
Diphenylamine *	BQL	0.339	1	7/8/2005
Fluoranthene	BQL	0.339	1	7/8/2005
Fluorene	BQL	0.339	1	7/8/2005
Hexachlorobenzene	BQL	0.339	1	7/8/2005
Hexachlorobutadiene	BQL	0.339	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.679	1	7/8/2005
Hexachloroethane	BQL	0.339	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.339	1	7/8/2005
Isophorone	BQL	0.339	1	7/8/2005
2-Methylnaphthalene	BQL	0.339	1	7/8/2005
Naphthalene	BQL	0.339	1	7/8/2005
2-Nitroaniline	BQL	0.339	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-15
Client Project ID: North State Milling
Lab Sample ID: G161-2047-7H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:07
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.99

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.70	1	7/8/2005
4-Nitroaniline	BQL	1.70	1	7/8/2005
Nitrobenzene	BQL	0.339	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.339	1	7/8/2005
Phenanthrene	BQL	0.339	1	7/8/2005
Pyrene	BQL	0.339	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.339	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.9	99
Nitrobenzene-d5	10	9.8	98
4-Terphenyl-d14	10	13.8	138

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: NS2-18
Client Project ID: North State Milling
Lab Sample ID: G161-2047-8H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:10
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 88.02

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.349	1	7/8/2005
Acenaphthylene	BQL	0.349	1	7/8/2005
Anthracene	BQL	0.349	1	7/8/2005
Benzo[a]anthracene	BQL	0.349	1	7/8/2005
Benzo[a]pyrene	BQL	0.349	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.349	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.349	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.349	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.349	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.349	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.349	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.349	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.349	1	7/8/2005
Butylbenzylphthalate	BQL	0.349	1	7/8/2005
2-Chloronaphthalene	BQL	0.349	1	7/8/2005
4-Chloroaniline	BQL	1.75	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.349	1	7/8/2005
Chrysene	BQL	0.349	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.349	1	7/8/2005
Dibenzofuran	BQL	0.349	1	7/8/2005
Di-n-Butylphthalate	BQL	0.349	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.349	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.349	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.349	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.698	1	7/8/2005
Diethylphthalate	BQL	0.349	1	7/8/2005
Dimethylphthalate	BQL	0.349	1	7/8/2005
Di-n-octylphthalate	BQL	0.349	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.349	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.349	1	7/8/2005
Diphenylamine *	BQL	0.349	1	7/8/2005
Fluoranthene	BQL	0.349	1	7/8/2005
Fluorene	BQL	0.349	1	7/8/2005
Hexachlorobenzene	BQL	0.349	1	7/8/2005
Hexachlorobutadiene	BQL	0.349	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.698	1	7/8/2005
Hexachloroethane	BQL	0.349	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.349	1	7/8/2005
Isophorone	BQL	0.349	1	7/8/2005
2-Methylnaphthalene	BQL	0.349	1	7/8/2005
Naphthalene	BQL	0.349	1	7/8/2005
2-Nitroaniline	BQL	0.349	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-18
Client Project ID: North State Milling
Lab Sample ID: G161-2047-8H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:10
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 88.02

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.75	1	7/8/2005
4-Nitroaniline	BQL	1.75	1	7/8/2005
Nitrobenzene	BQL	0.349	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.349	1	7/8/2005
Phenanthrene	BQL	0.349	1	7/8/2005
Pyrene	BQL	0.349	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.349	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.2	102
Nitrobenzene-d5	10	10.4	104
4-Terphenyl-d14	10	13.3	133

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: NS3-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-9H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:27
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 86.96

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.341	1	7/9/2005
Acenaphthylene	BQL	0.341	1	7/9/2005
Anthracene	BQL	0.341	1	7/9/2005
Benzo[a]anthracene	BQL	0.341	1	7/9/2005
Benzo[a]pyrene	BQL	0.341	1	7/9/2005
Benzo[b]fluoranthene	BQL	0.341	1	7/9/2005
Benzo[g,h,i]perylene	BQL	0.341	1	7/9/2005
Benzo[k]fluoranthene	BQL	0.341	1	7/9/2005
Bis(2-chloroethoxy)methane	BQL	0.341	1	7/9/2005
Bis(2-chloroethyl)ether	BQL	0.341	1	7/9/2005
Bis(2-chloroisopropyl)ether	BQL	0.341	1	7/9/2005
Bis(2-ethylhexyl)phthalate	BQL	0.341	1	7/9/2005
4-bromophenyl phenyl ether	BQL	0.341	1	7/9/2005
Butylbenzylphthalate	BQL	0.341	1	7/9/2005
2-Chloronaphthalene	BQL	0.341	1	7/9/2005
4-Chloroaniline	BQL	1.70	1	7/9/2005
4-Chlorophenyl phenyl ether	BQL	0.341	1	7/9/2005
Chrysene	BQL	0.341	1	7/9/2005
Dibenzo[a,h]anthracene	BQL	0.341	1	7/9/2005
Dibenzofuran	BQL	0.341	1	7/9/2005
Di-n-Butylphthalate	BQL	0.341	1	7/9/2005
1,2-Dichlorobenzene	BQL	0.341	1	7/9/2005
1,3-Dichlorobenzene	BQL	0.341	1	7/9/2005
1,4-Dichlorobenzene	BQL	0.341	1	7/9/2005
3,3'-Dichlorobenzidine	BQL	0.681	1	7/9/2005
Diethylphthalate	BQL	0.341	1	7/9/2005
Dimethylphthalate	BQL	0.341	1	7/9/2005
Di-n-octylphthalate	BQL	0.341	1	7/9/2005
2,4-Dinitrotoluene	BQL	0.341	1	7/9/2005
2,6-Dinitrotoluene	BQL	0.341	1	7/9/2005
Diphenylamine *	BQL	0.341	1	7/9/2005
Fluoranthene	BQL	0.341	1	7/9/2005
Fluorene	BQL	0.341	1	7/9/2005
Hexachlorobenzene	BQL	0.341	1	7/9/2005
Hexachlorobutadiene	BQL	0.341	1	7/9/2005
Hexachlorocyclopentadiene	BQL	0.681	1	7/9/2005
Hexachloroethane	BQL	0.341	1	7/9/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.341	1	7/9/2005
Isophorone	BQL	0.341	1	7/9/2005
2-Methylnaphthalene	BQL	0.341	1	7/9/2005
Naphthalene	BQL	0.341	1	7/9/2005
2-Nitroaniline	BQL	0.341	1	7/9/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS3-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-9H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:27
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 86.96

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.70	1	7/9/2005
4-Nitroaniline	BQL	1.70	1	7/9/2005
Nitrobenzene	BQL	0.341	1	7/9/2005
N-Nitrosodi-n-propylamine	BQL	0.341	1	7/9/2005
Phenanthrene	BQL	0.341	1	7/9/2005
Pyrene	BQL	0.341	1	7/9/2005
1,2,4-Trichlorobenzene	BQL	0.341	1	7/9/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10	100
Nitrobenzene-d5	10	10.5	105
4-Terphenyl-d14	10	13.1	131

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: NS3-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-10J
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC /
Date Collected: 6/28/2005 10:30
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 94.38

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.323	1	7/9/2005
Acenaphthylene	BQL	0.323	1	7/9/2005
Anthracene	BQL	0.323	1	7/9/2005
Benzo[a]anthracene	BQL	0.323	1	7/9/2005
Benzo[a]pyrene	BQL	0.323	1	7/9/2005
Benzo[b]fluoranthene	BQL	0.323	1	7/9/2005
Benzo[g,h,i]perylene	BQL	0.323	1	7/9/2005
Benzo[k]fluoranthene	BQL	0.323	1	7/9/2005
Bis(2-chloroethoxy)methane	BQL	0.323	1	7/9/2005
Bis(2-chloroethyl)ether	BQL	0.323	1	7/9/2005
Bis(2-chloroisopropyl)ether	BQL	0.323	1	7/9/2005
Bis(2-ethylhexyl)phthalate	BQL	0.323	1	7/9/2005
4-bromophenyl phenyl ether	BQL	0.323	1	7/9/2005
Butylbenzylphthalate	BQL	0.323	1	7/9/2005
2-Chloronaphthalene	BQL	0.323	1	7/9/2005
4-Chloroaniline	BQL	1.61	1	7/9/2005
4-Chlorophenyl phenyl ether	BQL	0.323	1	7/9/2005
Chrysene	BQL	0.323	1	7/9/2005
Dibenzo[a,h]anthracene	BQL	0.323	1	7/9/2005
Dibenzofuran	BQL	0.323	1	7/9/2005
Di-n-Butylphthalate	BQL	0.323	1	7/9/2005
1,2-Dichlorobenzene	BQL	0.323	1	7/9/2005
1,3-Dichlorobenzene	BQL	0.323	1	7/9/2005
1,4-Dichlorobenzene	BQL	0.323	1	7/9/2005
3,3'-Dichlorobenzidine	BQL	0.646	1	7/9/2005
Diethylphthalate	BQL	0.323	1	7/9/2005
Dimethylphthalate	BQL	0.323	1	7/9/2005
Di-n-octylphthalate	BQL	0.323	1	7/9/2005
2,4-Dinitrotoluene	BQL	0.323	1	7/9/2005
2,6-Dinitrotoluene	BQL	0.323	1	7/9/2005
Diphenylamine *	BQL	0.323	1	7/9/2005
Fluoranthene	BQL	0.323	1	7/9/2005
Fluorene	BQL	0.323	1	7/9/2005
Hexachlorobenzene	BQL	0.323	1	7/9/2005
Hexachlorobutadiene	BQL	0.323	1	7/9/2005
Hexachlorocyclopentadiene	BQL	0.646	1	7/9/2005
Hexachloroethane	BQL	0.323	1	7/9/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.323	1	7/9/2005
Isophorone	BQL	0.323	1	7/9/2005
2-Methylnaphthalene	BQL	0.323	1	7/9/2005
Naphthalene	BQL	0.323	1	7/9/2005
2-Nitroaniline	BQL	0.323	1	7/9/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS3-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-10J
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:30
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 94.38

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.61	1	7/9/2005
4-Nitroaniline	BQL	1.61	1	7/9/2005
Nitrobenzene	BQL	0.323	1	7/9/2005
N-Nitrosodi-n-propylamine	BQL	0.323	1	7/9/2005
Phenanthrene	BQL	0.323	1	7/9/2005
Pyrene	BQL	0.323	1	7/9/2005
1,2,4-Trichlorobenzene	BQL	0.323	1	7/9/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.5	105
Nitrobenzene-d5	10	10.7	107
4-Terphenyl-d14	10	13.9	139

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: NS3-15
Client Project ID: North State Milling
Lab Sample ID: G161-2047-11H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:35
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 96.01

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.319	1	7/9/2005
Acenaphthylene	BQL	0.319	1	7/9/2005
Anthracene	BQL	0.319	1	7/9/2005
Benzo[a]anthracene	BQL	0.319	1	7/9/2005
Benzo[a]pyrene	BQL	0.319	1	7/9/2005
Benzo[b]fluoranthene	BQL	0.319	1	7/9/2005
Benzo[g,h,i]perylene	BQL	0.319	1	7/9/2005
Benzo[k]fluoranthene	BQL	0.319	1	7/9/2005
Bis(2-chloroethoxy)methane	BQL	0.319	1	7/9/2005
Bis(2-chloroethyl)ether	BQL	0.319	1	7/9/2005
Bis(2-chloroisopropyl)ether	BQL	0.319	1	7/9/2005
Bis(2-ethylhexyl)phthalate	BQL	0.319	1	7/9/2005
4-bromophenyl phenyl ether	BQL	0.319	1	7/9/2005
Butylbenzylphthalate	BQL	0.319	1	7/9/2005
2-Chloronaphthalene	BQL	0.319	1	7/9/2005
4-Chloroaniline	BQL	1.59	1	7/9/2005
4-Chlorophenyl phenyl ether	BQL	0.319	1	7/9/2005
Chrysene	BQL	0.319	1	7/9/2005
Dibenzo[a,h]anthracene	BQL	0.319	1	7/9/2005
Dibenzofuran	BQL	0.319	1	7/9/2005
Di-n-Butylphthalate	BQL	0.319	1	7/9/2005
1,2-Dichlorobenzene	BQL	0.319	1	7/9/2005
1,3-Dichlorobenzene	BQL	0.319	1	7/9/2005
1,4-Dichlorobenzene	BQL	0.319	1	7/9/2005
3,3'-Dichlorobenzidine	BQL	0.638	1	7/9/2005
Diethylphthalate	BQL	0.319	1	7/9/2005
Dimethylphthalate	BQL	0.319	1	7/9/2005
Di-n-octylphthalate	BQL	0.319	1	7/9/2005
2,4-Dinitrotoluene	BQL	0.319	1	7/9/2005
2,6-Dinitrotoluene	BQL	0.319	1	7/9/2005
Diphenylamine *	BQL	0.319	1	7/9/2005
Fluoranthene	BQL	0.319	1	7/9/2005
Fluorene	BQL	0.319	1	7/9/2005
Hexachlorobenzene	BQL	0.319	1	7/9/2005
Hexachlorobutadiene	BQL	0.319	1	7/9/2005
Hexachlorocyclopentadiene	BQL	0.638	1	7/9/2005
Hexachloroethane	BQL	0.319	1	7/9/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.319	1	7/9/2005
Isophorone	BQL	0.319	1	7/9/2005
2-Methylnaphthalene	BQL	0.319	1	7/9/2005
Naphthalene	BQL	0.319	1	7/9/2005
2-Nitroaniline	BQL	0.319	1	7/9/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS3-15
Client Project ID: North State Milling
Lab Sample ID: G161-2047-11H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:35
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 96.01

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.59	1	7/9/2005
4-Nitroaniline	BQL	1.59	1	7/9/2005
Nitrobenzene	BQL	0.319	1	7/9/2005
N-Nitrosodi-n-propylamine	BQL	0.319	1	7/9/2005
Phenanthrene	BQL	0.319	1	7/9/2005
Pyrene	BQL	0.319	1	7/9/2005
1,2,4-Trichlorobenzene	BQL	0.319	1	7/9/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.4	104
Nitrobenzene-d5	10	9.9	99
4-Terphenyl-d14	10	13.4	134

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: NS3-18.5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-12I
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:40
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 94.05

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.320	1	7/9/2005
Acenaphthylene	BQL	0.320	1	7/9/2005
Anthracene	BQL	0.320	1	7/9/2005
Benzo[a]anthracene	BQL	0.320	1	7/9/2005
Benzo[a]pyrene	BQL	0.320	1	7/9/2005
Benzo[b]fluoranthene	BQL	0.320	1	7/9/2005
Benzo[g,h,i]perylene	BQL	0.320	1	7/9/2005
Benzo[k]fluoranthene	BQL	0.320	1	7/9/2005
Bis(2-chloroethoxy)methane	BQL	0.320	1	7/9/2005
Bis(2-chloroethyl)ether	BQL	0.320	1	7/9/2005
Bis(2-chloroisopropyl)ether	BQL	0.320	1	7/9/2005
Bis(2-ethylhexyl)phthalate	BQL	0.320	1	7/9/2005
4-bromophenyl phenyl ether	BQL	0.320	1	7/9/2005
Butylbenzylphthalate	BQL	0.320	1	7/9/2005
2-Chloronaphthalene	BQL	0.320	1	7/9/2005
4-Chloroaniline	BQL	1.60	1	7/9/2005
4-Chlorophenyl phenyl ether	BQL	0.320	1	7/9/2005
Chrysene	BQL	0.320	1	7/9/2005
Dibenzo[a,h]anthracene	BQL	0.320	1	7/9/2005
Dibenzofuran	BQL	0.320	1	7/9/2005
Di-n-Butylphthalate	BQL	0.320	1	7/9/2005
1,2-Dichlorobenzene	BQL	0.320	1	7/9/2005
1,3-Dichlorobenzene	BQL	0.320	1	7/9/2005
1,4-Dichlorobenzene	BQL	0.320	1	7/9/2005
3,3'-Dichlorobenzidine	BQL	0.640	1	7/9/2005
Diethylphthalate	BQL	0.320	1	7/9/2005
Dimethylphthalate	BQL	0.320	1	7/9/2005
Di-n-octylphthalate	BQL	0.320	1	7/9/2005
2,4-Dinitrotoluene	BQL	0.320	1	7/9/2005
2,6-Dinitrotoluene	BQL	0.320	1	7/9/2005
Diphenylamine *	BQL	0.320	1	7/9/2005
Fluoranthene	BQL	0.320	1	7/9/2005
Fluorene	BQL	0.320	1	7/9/2005
Hexachlorobenzene	BQL	0.320	1	7/9/2005
Hexachlorobutadiene	BQL	0.320	1	7/9/2005
Hexachlorocyclopentadiene	BQL	0.640	1	7/9/2005
Hexachloroethane	BQL	0.320	1	7/9/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.320	1	7/9/2005
Isophorone	BQL	0.320	1	7/9/2005
2-Methylnaphthalene	BQL	0.320	1	7/9/2005
Naphthalene	BQL	0.320	1	7/9/2005
2-Nitroaniline	BQL	0.320	1	7/9/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS3-18.5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-12I
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:40
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 94.05

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.60	1	7/9/2005
4-Nitroaniline	BQL	1.60	1	7/9/2005
Nitrobenzene	BQL	0.320	1	7/9/2005
N-Nitrosodi-n-propylamine	BQL	0.320	1	7/9/2005
Phenanthrene	BQL	0.320	1	7/9/2005
Pyrene	BQL	0.320	1	7/9/2005
1,2,4-Trichlorobenzene	BQL	0.320	1	7/9/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.4	104
Nitrobenzene-d5	10	10.3	103
4-Terphenyl-d14	10	12.7	127

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: NS4-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-13H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:04
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 72.59

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	**2.54**	1.70	4	7/13/2005
Acenaphthylene	BQL	1.70	4	7/13/2005
Anthracene	BQL	1.70	4	7/13/2005
Benzo[a]anthracene	BQL	1.70	4	7/13/2005
Benzo[a]pyrene	BQL	1.70	4	7/13/2005
Benzo[b]fluoranthene	BQL	1.70	4	7/13/2005
Benzo[g,h,i]perylene	BQL	1.70	4	7/13/2005
Benzo[k]fluoranthene	BQL	1.70	4	7/13/2005
Bis(2-chloroethoxy)methane	BQL	1.70	4	7/13/2005
Bis(2-chloroethyl)ether	BQL	1.70	4	7/13/2005
Bis(2-chloroisopropyl)ether	BQL	1.70	4	7/13/2005
Bis(2-ethylhexyl)phthalate	BQL	1.70	4	7/13/2005
4-bromophenyl phenyl ether	BQL	1.70	4	7/13/2005
Butylbenzylphthalate	BQL	1.70	4	7/13/2005
2-Chloronaphthalene	BQL	1.70	4	7/13/2005
4-Chloroaniline	BQL	8.52	4	7/13/2005
4-Chlorophenyl phenyl ether	BQL	1.70	4	7/13/2005
Chrysene	BQL	1.70	4	7/13/2005
Dibenzo[a,h]anthracene	BQL	1.70	4	7/13/2005
Dibenzofuran	**1.91**	1.70	4	7/13/2005
Di-n-Butylphthalate	BQL	1.70	4	7/13/2005
1,2-Dichlorobenzene	BQL	1.70	4	7/13/2005
1,3-Dichlorobenzene	BQL	1.70	4	7/13/2005
1,4-Dichlorobenzene	BQL	1.70	4	7/13/2005
3,3'-Dichlorobenzidine	BQL	3.41	4	7/13/2005
Diethylphthalate	BQL	1.70	4	7/13/2005
Dimethylphthalate	BQL	1.70	4	7/13/2005
Di-n-octylphthalate	BQL	1.70	4	7/13/2005
2,4-Dinitrotoluene	BQL	1.70	4	7/13/2005
2,6-Dinitrotoluene	BQL	1.70	4	7/13/2005
Diphenylamine *	BQL	1.70	4	7/13/2005
Fluoranthene	BQL	1.70	4	7/13/2005
Fluorene	**4.33**	1.70	4	7/13/2005
Hexachlorobenzene	BQL	1.70	4	7/13/2005
Hexachlorobutadiene	BQL	1.70	4	7/13/2005
Hexachlorocyclopentadiene	BQL	3.41	4	7/13/2005
Hexachloroethane	BQL	1.70	4	7/13/2005
Indeno(1,2,3-c,d)pyrene	BQL	1.70	4	7/13/2005
Isophorone	BQL	1.70	4	7/13/2005
2-Methylnaphthalene	**31.8**	1.70	4	7/13/2005
Naphthalene	**3.82**	1.70	4	7/13/2005
2-Nitroaniline	BQL	1.70	4	7/13/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS4-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-13H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:04
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 72.59

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	8.52	4	7/13/2005
4-Nitroaniline	BQL	8.52	4	7/13/2005
Nitrobenzene	BQL	1.70	4	7/13/2005
N-Nitrosodi-n-propylamine	BQL	1.70	4	7/13/2005
Phenanthrene	**9.14**	1.70	4	7/13/2005
Pyrene	BQL	1.70	4	7/13/2005
1,2,4-Trichlorobenzene	BQL	1.70	4	7/13/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	2.3	93
Nitrobenzene-d5	10	1.9	77
4-Terphenyl-d14	10	2.4	94

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: NS4-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-14H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:06
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 74.43

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.417	1	7/11/2005
Acenaphthylene	BQL	0.417	1	7/11/2005
Anthracene	BQL	0.417	1	7/11/2005
Benzo[a]anthracene	BQL	0.417	1	7/11/2005
Benzo[a]pyrene	BQL	0.417	1	7/11/2005
Benzo[b]fluoranthene	BQL	0.417	1	7/11/2005
Benzo[g,h,i]perylene	BQL	0.417	1	7/11/2005
Benzo[k]fluoranthene	BQL	0.417	1	7/11/2005
Bis(2-chloroethoxy)methane	BQL	0.417	1	7/11/2005
Bis(2-chloroethyl)ether	BQL	0.417	1	7/11/2005
Bis(2-chloroisopropyl)ether	BQL	0.417	1	7/11/2005
Bis(2-ethylhexyl)phthalate	BQL	0.417	1	7/11/2005
4-bromophenyl phenyl ether	BQL	0.417	1	7/11/2005
Butylbenzylphthalate	BQL	0.417	1	7/11/2005
2-Chloronaphthalene	BQL	0.417	1	7/11/2005
4-Chloroaniline	BQL	2.09	1	7/11/2005
4-Chlorophenyl phenyl ether	BQL	0.417	1	7/11/2005
Chrysene	BQL	0.417	1	7/11/2005
Dibenzo[a,h]anthracene	BQL	0.417	1	7/11/2005
Dibenzofuran	BQL	0.417	1	7/11/2005
Di-n-Butylphthalate	BQL	0.417	1	7/11/2005
1,2-Dichlorobenzene	BQL	0.417	1	7/11/2005
1,3-Dichlorobenzene	BQL	0.417	1	7/11/2005
1,4-Dichlorobenzene	BQL	0.417	1	7/11/2005
3,3'-Dichlorobenzidine	BQL	0.834	1	7/11/2005
Diethylphthalate	BQL	0.417	1	7/11/2005
Dimethylphthalate	BQL	0.417	1	7/11/2005
Di-n-octylphthalate	BQL	0.417	1	7/11/2005
2,4-Dinitrotoluene	BQL	0.417	1	7/11/2005
2,6-Dinitrotoluene	BQL	0.417	1	7/11/2005
Diphenylamine *	BQL	0.417	1	7/11/2005
Fluoranthene	BQL	0.417	1	7/11/2005
Fluorene	BQL	0.417	1	7/11/2005
Hexachlorobenzene	BQL	0.417	1	7/11/2005
Hexachlorobutadiene	BQL	0.417	1	7/11/2005
Hexachlorocyclopentadiene	BQL	0.834	1	7/11/2005
Hexachloroethane	BQL	0.417	1	7/11/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.417	1	7/11/2005
Isophorone	BQL	0.417	1	7/11/2005
2-Methylnaphthalene	BQL	0.417	1	7/11/2005
Naphthalene	BQL	0.417	1	7/11/2005
2-Nitroaniline	BQL	0.417	1	7/11/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS4-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-14H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:06
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 74.43

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	2.09	1	7/11/2005
4-Nitroaniline	BQL	2.09	1	7/11/2005
Nitrobenzene	BQL	0.417	1	7/11/2005
N-Nitrosodi-n-propylamine	BQL	0.417	1	7/11/2005
Phenanthrene	BQL	0.417	1	7/11/2005
Pyrene	BQL	0.417	1	7/11/2005
1,2,4-Trichlorobenzene	BQL	0.417	1	7/11/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.2	82
Nitrobenzene-d5	10	9.5	95
4-Terphenyl-d14	10	12.3	123

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: NS4-15
Client Project ID: North State Milling
Lab Sample ID: G161-2047-15H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:09
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 70.27

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.435	1	7/11/2005
Acenaphthylene	BQL	0.435	1	7/11/2005
Anthracene	BQL	0.435	1	7/11/2005
Benzo[a]anthracene	BQL	0.435	1	7/11/2005
Benzo[a]pyrene	BQL	0.435	1	7/11/2005
Benzo[b]fluoranthene	BQL	0.435	1	7/11/2005
Benzo[g,h,i]perylene	BQL	0.435	1	7/11/2005
Benzo[k]fluoranthene	BQL	0.435	1	7/11/2005
Bis(2-chloroethoxy)methane	BQL	0.435	1	7/11/2005
Bis(2-chloroethyl)ether	BQL	0.435	1	7/11/2005
Bis(2-chloroisopropyl)ether	BQL	0.435	1	7/11/2005
Bis(2-ethylhexyl)phthalate	BQL	0.435	1	7/11/2005
4-bromophenyl phenyl ether	BQL	0.435	1	7/11/2005
Butylbenzylphthalate	BQL	0.435	1	7/11/2005
2-Chloronaphthalene	BQL	0.435	1	7/11/2005
4-Chloroaniline	BQL	2.18	1	7/11/2005
4-Chlorophenyl phenyl ether	BQL	0.435	1	7/11/2005
Chrysene	BQL	0.435	1	7/11/2005
Dibenzo[a,h]anthracene	BQL	0.435	1	7/11/2005
Dibenzofuran	BQL	0.435	1	7/11/2005
Di-n-Butylphthalate	BQL	0.435	1	7/11/2005
1,2-Dichlorobenzene	BQL	0.435	1	7/11/2005
1,3-Dichlorobenzene	BQL	0.435	1	7/11/2005
1,4-Dichlorobenzene	BQL	0.435	1	7/11/2005
3,3'-Dichlorobenzidine	BQL	0.871	1	7/11/2005
Diethylphthalate	BQL	0.435	1	7/11/2005
Dimethylphthalate	BQL	0.435	1	7/11/2005
Di-n-octylphthalate	BQL	0.435	1	7/11/2005
2,4-Dinitrotoluene	BQL	0.435	1	7/11/2005
2,6-Dinitrotoluene	BQL	0.435	1	7/11/2005
Diphenylamine *	BQL	0.435	1	7/11/2005
Fluoranthene	BQL	0.435	1	7/11/2005
Fluorene	BQL	0.435	1	7/11/2005
Hexachlorobenzene	BQL	0.435	1	7/11/2005
Hexachlorobutadiene	BQL	0.435	1	7/11/2005
Hexachlorocyclopentadiene	BQL	0.871	1	7/11/2005
Hexachloroethane	BQL	0.435	1	7/11/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.435	1	7/11/2005
Isophorone	BQL	0.435	1	7/11/2005
2-Methylnaphthalene	**2.92**	0.435	1	7/11/2005
Naphthalene	**0.492**	0.435	1	7/11/2005
2-Nitroaniline	BQL	0.435	1	7/11/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS4-15
Client Project ID: North State Milling
Lab Sample ID: G161-2047-15H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:09
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 70.27

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	2.18	1	7/11/2005
4-Nitroaniline	BQL	2.18	1	7/11/2005
Nitrobenzene	BQL	0.435	1	7/11/2005
N-Nitrosodi-n-propylamine	BQL	0.435	1	7/11/2005
Phenanthrene	**0.901**	0.435	1	7/11/2005
Pyrene	BQL	0.435	1	7/11/2005
1,2,4-Trichlorobenzene	BQL	0.435	1	7/11/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
Nitrobenzene-d5	10	10	100
4-Terphenyl-d14	10	11.7	117

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: NS4-20
Client Project ID: North State Milling
Lab Sample ID: G161-2047-16H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:14
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 83.89

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.356	1	7/11/2005
Acenaphthylene	BQL	0.356	1	7/11/2005
Anthracene	BQL	0.356	1	7/11/2005
Benzo[a]anthracene	BQL	0.356	1	7/11/2005
Benzo[a]pyrene	BQL	0.356	1	7/11/2005
Benzo[b]fluoranthene	BQL	0.356	1	7/11/2005
Benzo[g,h,i]perylene	BQL	0.356	1	7/11/2005
Benzo[k]fluoranthene	BQL	0.356	1	7/11/2005
Bis(2-chloroethoxy)methane	BQL	0.356	1	7/11/2005
Bis(2-chloroethyl)ether	BQL	0.356	1	7/11/2005
Bis(2-chloroisopropyl)ether	BQL	0.356	1	7/11/2005
Bis(2-ethylhexyl)phthalate	BQL	0.356	1	7/11/2005
4-bromophenyl phenyl ether	BQL	0.356	1	7/11/2005
Butylbenzylphthalate	BQL	0.356	1	7/11/2005
2-Chloronaphthalene	BQL	0.356	1	7/11/2005
4-Chloroaniline	BQL	1.78	1	7/11/2005
4-Chlorophenyl phenyl ether	BQL	0.356	1	7/11/2005
Chrysene	BQL	0.356	1	7/11/2005
Dibenzo[a,h]anthracene	BQL	0.356	1	7/11/2005
Dibenzofuran	BQL	0.356	1	7/11/2005
Di-n-Butylphthalate	BQL	0.356	1	7/11/2005
1,2-Dichlorobenzene	BQL	0.356	1	7/11/2005
1,3-Dichlorobenzene	BQL	0.356	1	7/11/2005
1,4-Dichlorobenzene	BQL	0.356	1	7/11/2005
3,3'-Dichlorobenzidine	BQL	0.713	1	7/11/2005
Diethylphthalate	BQL	0.356	1	7/11/2005
Dimethylphthalate	BQL	0.356	1	7/11/2005
Di-n-octylphthalate	BQL	0.356	1	7/11/2005
2,4-Dinitrotoluene	BQL	0.356	1	7/11/2005
2,6-Dinitrotoluene	BQL	0.356	1	7/11/2005
Diphenylamine *	BQL	0.356	1	7/11/2005
Fluoranthene	BQL	0.356	1	7/11/2005
Fluorene	BQL	0.356	1	7/11/2005
Hexachlorobenzene	BQL	0.356	1	7/11/2005
Hexachlorobutadiene	BQL	0.356	1	7/11/2005
Hexachlorocyclopentadiene	BQL	0.713	1	7/11/2005
Hexachloroethane	BQL	0.356	1	7/11/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.356	1	7/11/2005
Isophorone	BQL	0.356	1	7/11/2005
2-Methylnaphthalene	BQL	0.356	1	7/11/2005
Naphthalene	BQL	0.356	1	7/11/2005
2-Nitroaniline	BQL	0.356	1	7/11/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS4-20
Client Project ID: North State Milling
Lab Sample ID: G161-2047-16H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 11:14
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 83.89

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.78	1	7/11/2005
4-Nitroaniline	BQL	1.78	1	7/11/2005
Nitrobenzene	BQL	0.356	1	7/11/2005
N-Nitrosodi-n-propylamine	BQL	0.356	1	7/11/2005
Phenanthrene	BQL	0.356	1	7/11/2005
Pyrene	BQL	0.356	1	7/11/2005
1,2,4-Trichlorobenzene	BQL	0.356	1	7/11/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.8	98
Nitrobenzene-d5	10	10.3	103
4-Terphenyl-d14	10	13.5	135

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: PB3187
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/7/2005
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: PB3187
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/7/2005
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	10.7	106
Nitrobenzene-d5	10	10.4	104
4-Terphenyl-d14	10	13.7	137

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By:

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	NS1-5	107	92	112				0
02	LCS3187	107	105	128				0
03	G161-2047-7I MS	107	108	146				0
04	G161-2047-7J MSD	111	107	141				0
05	PB3187	104	106	137				0
06	NS1-10	103	101	135				0
07	NS1-12	101	100	131				0
08	NS2-5	99	89	121				0
09	NS2-10	100	97	136				0
10	NS2-10 (DUP)	99	99	137				0
11	NS2-15	98	99	138				0
12	NS2-18	104	102	133				0
13	NS3-5	105	100	131				0
14	NS3-10	107	105	139				0
15	NS3-15	99	104	134				0
16	NS3-18.5	103	104	127				0
17	NS4-5	77	93	94				0
18	NS4-10	95	82	123				0
19	NS4-15	100	84	117				0
20	NS4-20	103	98	135				0
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(46-117)
S2 (FBP) = 2-Fluorobiphenyl	(42-116)
S3 (TPH) = Terphenyl-d14	(44-147)

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

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.: G161-2047-7H 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	3330	3290	98.8	326	335	103	3.77	30	60.0-105
Hexachlorocyclopentadiene	BQL	3330	3840	115	326	418	128	10.4	30	10.0-233
Hexachloroethane	BQL	3330	3430	103	326	353	108	4.73	30	41.0-115
Indeno(1,2,3-c,d)pyrene	BQL	3330	4110	124 *	326	412	126 *	2.08	30	60.0-113
Isophorone	BQL	3330	4140	124	326	420	128 *	3.40	30	80.0-127
1-Methylnaphthalene	BQL	3330	3600	108	326	356	109	0.828	30	34.0-118
2-Methylnaphthalene	BQL	3330	3210	96.5	326	326	99.9	3.46	30	51.0-114
2-Methylphenol	BQL	3330	3180	95.5	326	317	97.0	1.56	30	10.0-142
4-Methylphenol	BQL	3330	5630	169 *	326	556	170 *	0.648	30	13.0-121
N-Nitrosodi-n-propylamine	BQL	3330	3840	115	326	401	123 *	6.38	30	70.0-119
Diphenylamine	BQL	3330	5060	152 *	326	505	155 *	1.63	30	13.0-107
Naphthalene	BQL	3330	3570	107 *	326	365	112 *	4.11	30	65.0-103
2-Nitroaniline	BQL	3330	3730	112	326	370	113	1.06	30	49.0-124
3-Nitroaniline	BQL	3330	7610	229	326	790	242	5.57	30	10.0-331
4-Nitroaniline	BQL	3330	3170	95.2	326	277	85.0	11.3	30	17.0-159
Nitrobenzene	BQL	3330	3670	110	326	370	114 *	2.86	30	54.0-113
2-Nitrophenol	BQL	3330	3190	95.9	326	330	101	5.38	30	10.0-150
4-Nitrophenol	BQL	3330	3580	108	326	391	120	10.6	30	40.0-147
Pentachlorophenol	BQL	3330	2580	77.6	326	265	81.1	4.41	30	40.0-122
Phenanthrene	BQL	3330	3510	106	326	352	108 *	1.97	30	68.0-107
Phenol	BQL	3330	3420	103	326	345	106	2.59	30	40.0-127
Pyrene	BQL	3330	5230	157 *	326	507	155 *	1.15	30	56.0-123
1,2,4-Trichlorobenzene	BQL	3330	3380	102	326	350	107 *	5.56	30	65.0-105
2,4,5-Trichlorophenol	BQL	3330	3560	107	326	349	107	0.0936	30	42.0-126
2,4,6-Trichlorophenol	BQL	3330	3310	99.5	326	324	99.3	0.201	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: 56 out of 144 outside of limits

COMMENTS: _____

Paradigm Analytical Laboratories, INC.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB3187

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab File ID: 0708607.D Lab Sample ID: PB3187

Instrument ID: MSD6 Date Extracted: 07/07/05

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

Level: (low/med) LOW Time Analyzed: 17:19

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	NS1-5	G161-2047-1H	0708611.D	07/08 19:38
02	NS1-10	G161-2047-2H	0708612.D	07/08 20:12
03	NS1-12	G161-2047-3H	0708613.D	07/08 20:46
04	NS2-5	G161-2047-4H	0708614.D	07/08 21:22
05	NS2-10	G161-2047-5H	0708615.D	07/08 21:58
06	NS2-10 (DUP)	G161-2047-6H	0708616.D	07/08 22:33
07	NS2-15	G161-2047-7H	0708617.D	07/08 23:08
08	G161-2047-7H	G161-2047-7H	0708617.D	07/08 23:08
09	NS2-18	G161-2047-8H	0708618.D	07/08 23:43
10	NS3-5	G161-2047-9H	0708619.D	07/09 00:17
11	NS3-10	G161-2047-10J	0708620.D	07/09 00:52
12	NS3-15	G161-2047-11H	0708621.D	07/09 01:26
13	NS3-18.5	G161-2047-12I	0708622.D	07/09 02:01
14	NS4-10	G161-2047-14H	0711609.D	07/11 18:53
15	NS4-15	G161-2047-15H	0711610.D	07/11 19:28
16	NS4-20	G161-2047-16H	0711611.D	07/11 20:01
17	G161-2047-7I MS	G161-2047-7I MS	0711613.D	07/11 21:10
18	G161-2047-7J MSD	G161-2047-7J MSD	0711614.D	07/11 21:45
19	NS4-5	G161-2047-13H	0713711.D	07/13 13:37
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				

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: 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
09					
10					
11					
12					
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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: 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
09					
10					
11					
12					
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15					
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25					

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: 0708601.D DFTPP Injection Date: 07/08/05

Instrument ID: MSD6 DFTPP Injection Time: 14:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	46.1
68	Less than 2.0% of mass 69	0.4
69	Mass 69 relative abundance	51.4
70	Less than 2.0% of mass 69	0.6
127	40.0 - 60.0% of mass 198	50.1
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	20.5
365	Greater than 0.75% of mass 198	2.1
441	Present, but less than mass 443	88.5
442	40.0 - 100.0% of mass 198	51.0
443	17.0 - 23.0% of mass 442	18.2

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	SVCVS6	SVCVS6	0708602.D	07/08/05	14:29
02	LCS3187	LCS3187	0708606.D	07/08/05	16:46
03	PB3187	PB3187	0708607.D	07/08/05	17:19
04	G161-2047-1H	G161-2047-1H	0708611.D	07/08/05	19:38
05	G161-2047-2H	G161-2047-2H	0708612.D	07/08/05	20:12
06	G161-2047-3H	G161-2047-3H	0708613.D	07/08/05	20:46
07	G161-2047-4H	G161-2047-4H	0708614.D	07/08/05	21:22
08	G161-2047-5H	G161-2047-5H	0708615.D	07/08/05	21:58
09	G161-2047-6H	G161-2047-6H	0708616.D	07/08/05	22:33
10	G161-2047-7H	G161-2047-7H	0708617.D	07/08/05	23:08
11	G161-2047-7H	G161-2047-7H	0708617.D	07/08/05	23:08
12	G161-2047-8H	G161-2047-8H	0708618.D	07/08/05	23:43
13	G161-2047-9H	G161-2047-9H	0708619.D	07/09/05	00:17
14	G161-2047-10J	G161-2047-10J	0708620.D	07/09/05	00:52
15	G161-2047-11H	G161-2047-11H	0708621.D	07/09/05	01:26
16	G161-2047-12I	G161-2047-12I	0708622.D	07/09/05	02:01
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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	G161-2047-14H	G161-2047-14H	0711609.D	07/11/05	18:53
03	G161-2047-15H	G161-2047-15H	0711610.D	07/11/05	19:28
04	G161-2047-16H	G161-2047-16H	0711611.D	07/11/05	20:01
05	G161-2047-7I MS	G161-2047-7I MS	0711613.D	07/11/05	21:10
06	G161-2047-7J MSD	G161-2047-7J MSD	0711614.D	07/11/05	21:45
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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: 0713701.D DFTPP Injection Date: 07/13/05

Instrument ID: MSD7 DFTPP Injection Time: 08:06

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	32.3
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	30.4
70	Less than 2.0% of mass 69	0.4
127	40.0 - 60.0% of mass 198	44.1
197	Less than 1.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	23.7
365	Greater than 0.75% of mass 198	2.7
441	Present, but less than mass 443	74.8
442	40.0 - 100.0% of mass 198	95.3
443	17.0 - 23.0% of mass 442	19.1

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	0713702.D	07/13/05	08:29
02	G161-2047-13H	G161-2047-13H	0713711.D	07/13/05	13:37
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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

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
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

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

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

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

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

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: 07/08/05 Time: 14:29

Lab File ID: 0708602.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	1.272		-5.1	
1,3-Dichlorobenzene	1.31	1.363		-4.4	
1,4-Dichlorobenzene	1.34	1.403		-4.6	20.0
1,4-Dichlorobenzene-D4	1.00	1.000		0.0	
1-Methylnaphthalene	0.981	1.035		-5.5	
2,4,5-Trichlorophenol	0.369	0.408		-10.6	
2,4,6-Trichlorophenol	0.354	0.370		-4.5	20.0
2,4-Dichlorophenol	0.265	0.280		-5.7	20.0
2,4-Dimethylphenol	0.262	0.265		-1.1	
2,4-Dinitrophenol	0.149	0.155	0.050	-4.0	
2,4-Dinitrotoluene	0.325	0.342		-5.2	
2,6-Dinitrotoluene	0.257	0.269		-4.7	
2-Chloronaphthalene	0.986	1.046		-6.1	
2-Chlorophenol	1.32	1.370		-3.6	
2-Methylnaphthalene	0.622	0.655		-5.3	
2-Methylphenol	1.10	1.125		-2.6	
2-Nitroaniline	0.364	0.386		-6.0	
2-Nitrophenol	0.183	0.180		1.6	20.0
3-, 4-Methylphenol	1.59	1.647		-3.6	
3-Nitroaniline	0.103	0.047#		54.4	
4,6-Dinitro-2-methylphenol	0.145	0.135		6.9	
4-bromophenyl phenyl ether	0.203	0.213		-4.9	
4-Chloro-3-methylphenol	0.313	0.347		-10.9	20.0
4-Chloroaniline	0.148	0.113		23.6	
4-Chlorophenyl phenyl ether	0.549	0.570		-3.8	
4-Nitroaniline	0.139	0.136		2.2	
4-Nitrophenol	0.168	0.183	0.050	-8.9	
Acenaphthene	0.883	0.925		-4.8	20.0
Acenaphthene-d10	1.00	1.000		0.0	
Acenaphthylene	1.28	1.399		-9.0	
Aldrin	0.173	0.161		6.9	
alpha-BHC	0.158	0.153		3.2	
Anthracene	0.923	0.987		-6.9	
Benzoic Acid	0.177	0.180		-1.7	
Benzo[a]anthracene	1.08	1.115		-3.2	
Benzo[a]pyrene	0.961	1.127		-17.3	20.0
Benzo[b]fluoranthene	1.21	1.339		-10.5	
Benzo[k]fluoranthene	1.36	1.511		-11.0	
Benzyl Alcohol	0.919	0.969		-5.4	

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: 07/08/05 Time: 14:29

Lab File ID: 0708602.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	0.124		6.1	
Bis(2-chloroethoxy)methane	0.385	0.398		-3.4	
Bis(2-chloroethyl)ether	1.397	1.540		-10.2	
Bis(2-chloroisopropyl)ether	1.644	1.748		-6.3	
Bis(2-ethylhexyl)phthalate	0.918	0.983		-7.1	
Butylbenzylphthalate	0.709	0.805		-13.5	
Carbazole	0.725	0.340		53.1	
Chrysene	1.055	1.084		-2.7	
Chrysene-D12	1.000	1.000		0.0	
delta-BHC	0.128	0.123		3.9	
Di-n-Butylphthalate	1.189	1.181		0.7	
Di-n-octylphthalate	2.178	2.542		-16.7	20.0
Dibenzofuran	1.431	1.521		-6.3	
Dibenzo[a,h]anthracene	0.399	0.693		-73.7	
Dieldrin	0.223	0.197		11.7	
Diethylphthalate	1.079	1.090		-1.0	
Dimethylphthalate	1.167	1.234		-5.7	
Diphenylamine	0.417	0.380		8.9	
Endosulfan I	0.043	0.043#		0.0	
Endosulfan II	0.000	0.000#		0.0	
Endosulfan Sulfate	0.054	0.046#		14.8	
Endrin	0.038	0.037#		2.6	
Endrin Aldehyde	0.000	0.000#		0.0	
Endrin Ketone	0.040	0.032#		20.0	
Fluoranthene	1.042	1.063		-2.0	20.0
Fluorene	1.063	1.137		-7.0	
gamma-BHC	0.135	0.130		3.7	
Heptachlor	0.150	0.147		2.0	
Heptachlor Epoxide	0.052	0.051		1.9	
Hexachlorobenzene	0.200	0.192		4.0	
Hexachlorobutadiene	0.177	0.181		-2.3	20.0
Hexachlorocyclopentadiene	0.141	0.136	0.050	3.5	
Hexachloroethane	0.531	0.545		-2.6	
Indeno(1,2,3-c,d)pyrene	0.409	0.670		-63.8	
Isophorone	0.582	0.583		-0.2	
Methoxychlor	0.626	0.565		9.7	
N-Nitrosodi-n-propylamine	0.834	0.862		-3.4	
N-Nitrosodimethylamine	0.668	0.751		-12.4	
Naphthalene	0.872	0.905		-3.8	
Naphthalene-D8	1.000	1.000		0.0	

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: 07/08/05 Time: 14:29

Lab File ID: 0708602.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	0.414		-5.1	
Pentachlorophenol	0.147	0.140		4.8	20.0
Perylene-D12	1.000	1.000		0.0	
Phenanthrene	0.990	1.026		-3.6	
Phenanthrene-D10	1.000	1.000		0.0	
Phenol	1.797	1.929		-7.3	20.0
Pyrene	1.500	1.822		-21.5	
Pyridine	0.785	0.804		-2.4	
2,4,6-Tribromophenol	0.117	0.127		-8.5	
2-Fluorobiphenyl	1.12	1.163		-3.7	
2-Fluorophenol	1.02	1.048		-3.0	
4-Terphenyl-d14	1.00	1.226		-22.6	
Nitrobenzene-d5	0.142	0.150		-5.6	
Phenol-d6	1.59	1.700		-7.1	

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
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.

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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
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	

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
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	

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: 07/13/05 Time: 8:29

Lab File ID: 0713702.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	0.266		-6.8	
1,2-Dichlorobenzene	1.21	1.308		-7.7	
1,3-Dichlorobenzene	1.30	1.382		-6.7	
1,4-Dichlorobenzene	1.36	1.460		-7.3	20.0
1,4-Dichlorobenzene-D4	1.00	1.000		0.0	
1-Methylnaphthalene	1.12	1.165		-4.1	
2,4,5-Trichlorophenol	0.353	0.372		-5.4	
2,4,6-Trichlorophenol	0.323	0.334		-3.4	20.0
2,4-Dichlorophenol	0.228	0.232		-1.8	20.0
2,4-Dimethylphenol	0.250	0.245		2.0	
2,4-Dinitrophenol	0.134	0.133	0.050	0.7	
2,4-Dinitrotoluene	0.311	0.321		-3.2	
2,6-Dinitrotoluene	0.239	0.254		-6.3	
2-Chloronaphthalene	0.975	1.039		-6.6	
2-Chlorophenol	1.23	1.284		-4.3	
2-Methylnaphthalene	0.614	0.640		-4.2	
2-Methylphenol	0.911	0.992		-8.9	
2-Nitroaniline	0.265	0.267		-0.8	
2-Nitrophenol	0.166	0.171		-3.0	20.0
3-, 4-Methylphenol	1.29	1.342		-3.8	
3-Nitroaniline	0.056	0.027		51.8	
4,6-Dinitro-2-methylphenol	0.102	0.118		-15.7	
4-bromophenyl phenyl ether	0.170	0.191		-12.4	
4-Chloro-3-methylphenol	0.230	0.237		-3.0	20.0
4-Chloroaniline	0.091	0.092		-1.1	
4-Chlorophenyl phenyl ether	0.513	0.535		-4.3	
4-Nitroaniline	0.107	0.091		15.0	
4-Nitrophenol	0.091	0.081	0.050	11.0	
Acenaphthene	0.990	1.059		-7.0	20.0
Acenaphthene-d10	1.00	1.000		0.0	
Acenaphthylene	1.43	1.585		-10.5	
Aldrin	0.125	0.142		-13.6	
alpha-BHC	0.119	0.139		-16.8	
Anthracene	0.966	1.034		-7.0	
Azobenzene	0.683	0.732		-7.2	
Benzoic Acid	0.141	0.109		22.7	
Benzo[a]anthracene	1.17	1.221		-4.1	
Benzo[a]pyrene	1.04	1.102		-5.9	20.0
Benzo[b]fluoranthene	1.29	1.255		2.6	
Benzo[k]fluoranthene	1.39	1.523		-9.6	

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: 07/13/05 Time: 8:29

Lab File ID: 0713702.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	0.787		-7.4	
beta-BHC	0.102	0.118		-15.7	
Bis(2-chloroethoxy)methane	0.318	0.334		-5.0	
Bis(2-chloroethyl)ether	1.212	1.112		8.3	
Bis(2-chloroisopropyl)ether	1.735	1.963		-13.1	
Bis(2-ethylhexyl)phthalate	1.163	1.175		-1.0	
Butylbenzylphthalate	0.822	0.833		-1.3	
Carbazole	0.388	0.000#		100.0	
Chrysene	1.098	1.135		-3.4	
Chrysene-D12	1.000	1.000		0.0	
delta-BHC	0.095	0.109		-14.7	
Di-n-Butylphthalate	1.169	1.325		-13.3	
Di-n-octylphthalate	2.715	2.798		-3.1	20.0
Dibenzofuran	1.477	1.505		-1.9	
Dibenzo[a,h]anthracene	0.583	0.544		6.7	
Dieldrin	0.166	0.184		-10.8	
Diethylphthalate	1.094	1.167		-6.7	
Dimethylphthalate	1.113	1.174		-5.5	
Diphenylamine	0.350	0.386		-10.3	
Endosulfan I	0.031	0.037		-19.4	
Endosulfan II	0.000	0.000#		0.0	
Endosulfan Sulfate	0.046	0.052		-13.0	
Endrin	0.029	0.035		-20.7	
Endrin Aldehyde	0.000	0.000#		0.0	
Endrin Ketone	0.038	0.039		-2.6	
Fluoranthene	0.927	1.012		-9.2	20.0
Fluorene	1.081	1.119		-3.5	
gamma-BHC	0.106	0.121		-14.2	
Heptachlor	0.122	0.146		-19.7	
Heptachlor Epoxide	0.052	0.058		-11.5	
Hexachlorobenzene	0.176	0.198		-12.5	
Hexachlorobutadiene	0.123	0.136		-10.6	20.0
Hexachlorocyclopentadiene	0.072	0.068	0.050	5.6	
Hexachloroethane	0.430	0.498		-15.8	
Indeno(1,2,3-c,d)pyrene	0.595	0.480		19.3	
Isophorone	0.430	0.454		-5.6	
Methoxychlor	0.471	0.608		-29.1	
N-Nitrosodi-n-propylamine	0.628	0.689		-9.7	
N-Nitrosodimethylamine	0.579	0.625		-7.9	
Naphthalene	0.806	0.857		-6.3	

Paradigm Analytical Laboratories, INC.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

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Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Instrument ID: MSD7 Calibration Date: 07/13/05 Time: 8:29

Lab File ID: 0713702.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	0.292		-6.2	
Pentachlorophenol	0.095	0.088		7.4	20.0
Perylene-D12	1.000	1.000		0.0	
Phenanthrene	1.006	1.078		-7.2	
Phenanthrene-D10	1.000	1.000		0.0	
Phenol	1.560	1.437		7.9	20.0
Pyrene	1.476	1.576		-6.8	
Pyridine	0.777	0.733		5.7	
2,4,6-Tribromophenol	0.123	0.122		0.8	
2-Fluorobiphenyl	1.11	1.173		-6.1	
2-Fluorophenol	0.921	0.981		-6.5	
4-Terphenyl-d14	1.00	1.004		-0.4	
Nitrobenzene-d5	0.128	0.132		-3.1	
Phenol-d6	1.35	1.390		-2.7	

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): 0708602.D Time Analyzed: 14:29

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	190008	7.17	759114	9.1	431689	11.88
	UPPER LIMIT	380016	7.67	1518228	9.6	863378	12.38
	LOWER LIMIT	95004	6.67	379557	8.6	215845	11.38
	EPA SAMPLE						
01	G161-2047-7H	161883	7.18	634514	9.1	356017	11.88
02	LCS3187	168686	7.18	688025	9.1	389033	11.89
03	PB3187	185462	7.17	739147	9.1	403400	11.88
04	G161-2047-1H	149019	7.18	567524	9.1	325439	11.89
05	G161-2047-2H	183540	7.18	719520	9.1	404974	11.89
06	G161-2047-3H	150877	7.17	595152	9.1	341331	11.89
07	G161-2047-4H	158647	7.18	624047	9.1	353572	11.89
08	G161-2047-5H	178041	7.18	700834	9.1	390954	11.89
09	G161-2047-6H	174270	7.18	697928	9.1	383909	11.89
10	G161-2047-7H	161883	7.18	634514	9.1	356017	11.88
11	G161-2047-8H	174615	7.18	685772	9.1	377913	11.89
12	G161-2047-9H	164809	7.18	637540	9.1	360977	11.88
13	G161-2047-10J	166748	7.18	665459	9.1	366809	11.88
14	G161-2047-11H	169659	7.17	673559	9.1	370374	11.89
15	G161-2047-12I	172578	7.17	673346	9.1	371566	11.89
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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): 0708602.D Time Analyzed: 14:29
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	656771	14.26	372494	18.51	200806	20.85
	UPPER LIMIT	1313542	14.76	744988	19.01	401612	21.35
	LOWER LIMIT	328386	13.76	186247	18.01	100403	20.35
	EPA SAMPLE						
01	G161-2047-7H	542635	14.27	261433	18.51	141467	20.86
02	LCS3187	597715	14.27	318087	18.52	169938	20.86
03	PB3187	602979	14.27	278646	18.51	141104	20.85
04	G161-2047-1H	483171	14.27	265542	18.51	170214	20.86
05	G161-2047-2H	627952	14.26	287277	18.51	160182	20.85
06	G161-2047-3H	535106	14.26	283890	18.51	166657	20.86
07	G161-2047-4H	559920	14.27	288365	18.51	163974	20.86
08	G161-2047-5H	604513	14.27	272608	18.51	145324	20.86
09	G161-2047-6H	590398	14.26	268593	18.51	155070	20.86
10	G161-2047-7H	542635	14.27	261433	18.51	141467	20.86
11	G161-2047-8H	586328	14.27	296256	18.51	177297	20.86
12	G161-2047-9H	557697	14.26	290018	18.51	160538	20.86
13	G161-2047-10J	557314	14.27	265790	18.51	143730	20.86
14	G161-2047-11H	573663	14.26	276383	18.51	164469	20.86
15	G161-2047-12I	569594	14.26	296894	18.51	180205	20.86
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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.

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	G161-2047-7I MS	145338	7.18	582595	9.1	321636	11.89
02	G161-2047-7J MSD	157992	7.18	634374	9.1	359063	11.89
03	G161-2047-14H	166038	7.18	652187	9.1	348608	11.88
04	G161-2047-15H	164073	7.17	611914	9.1	335956	11.89
05	G161-2047-16H	170105	7.17	661175	9.1	357784	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

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	G161-2047-7I MS	481252		14.27		222938		18.52		129570		20.86	
02	G161-2047-7J MSD	529250		14.27		240887		18.51		141863		20.86	
03	G161-2047-14H	510340		14.27		239876		18.51		141895		20.86	
04	G161-2047-15H	482877		14.27		236229		18.51		142366		20.86	
05	G161-2047-16H	540178		14.27		252203		18.51		147149		20.86	
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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.

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: 07/13/05

Lab File ID (Standard): 0713702.D Time Analyzed: 08:29

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	241962	6.25	975897	8.16	482481	10.92
	UPPER LIMIT	483924	6.75	1951794	8.66	964962	11.42
	LOWER LIMIT	120981	5.75	487949	7.66	241241	10.42
	EPA SAMPLE						
01	G161-2047-13H	171310	6.25	696861	8.16	357558	10.93
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24							
25							
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

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: 07/13/05
Lab File ID (Standard): 0713702.D Time Analyzed: 08:29
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	734074	13.28	469051	17.51	300197	19.63
	UPPER LIMIT	1468148	13.78	938102	18.01	600394	20.13
	LOWER LIMIT	367037	12.78	234526	17.01	150099	19.13
	EPA SAMPLE						
01	G161-2047-13H	558504	13.29	359231	17.51	235634	19.64
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
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22							
23							
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25							
26							
27							
28							
29							
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) SOIL Lab Sample ID: LCS3187
Sample wt/vol: 32 (g) Lab File ID: 0708606.D
Level: (low/med) LOW
% Moisture: 0% Decanted:(Y/N) N Date Analyzed: 07/08/05 16:46
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	3300	106	48.9-117
208-96-8	Acenaphthylene	3125	3780	121	66.7-146
120-12-7	Anthracene	3125	3440	110	49.0-114
56-55-3	Benzo[a]anthracene	3125	3560	114	43.2-120
50-32-8	Benzo[a]pyrene	3125	4020	129*	54.1-122
205-99-2	Benzo[b]fluoranthene	3125	3800	121*	46.1-120
191-24-2	Benzo[g,h,i]perylene	3125	3540	113	51.2-119
207-08-9	Benzo[k]fluoranthene	3125	3540	113	55.8-124
65-85-0	Benzoic Acid	3125	2460	78.6*	10.0-68.7
100-51-6	Benzyl Alcohol	3125	3070	98.2	48.9-111
111-91-1	Bis(2-chloroethoxy)methane	3125	3240	104	55.0-113
111-44-4	Bis(2-chloroethyl)ether	3125	2890	92.6	50.9-106
108-60-1	Bis(2-chloroisopropyl)ether	3125	3220	103	46.6-126
117-81-7	Bis(2-ethylhexyl)phthalate	3125	3530	113	26.4-140
101-55-3	4-bromophenyl phenyl ether	3125	3230	103	50.2-112
85-68-7	Butylbenzylphthalate	3125	3810	122	35.7-136
106-47-8	4-Chloroaniline	3125	4190	134*	10.0-201
59-50-7	4-Chloro-3-methylphenol	3125	3320	106	49.4-117
91-58-7	2-Chloronaphthalene	3125	3300	106	52.2-118
95-57-8	2-Chlorophenol	3125	3090	99.0	51.5-110
7005-72-3	4-Chlorophenyl phenyl ether	3125	3290	105	48.4-120
218-01-9	Chrysene	3125	3560	114	49.7-121
84-74-2	Di-n-Butylphthalate	3125	3200	102	43.8-125
117-84-0	Di-n-octylphthalate	3125	3780	121	18.7-137
53-70-3	Dibenzo[a,h]anthracene	3125	4210	135*	49.4-116
132-64-9	Dibenzofuran	3125	3080	98.5	40.8-122
95-50-1	1,2-Dichlorobenzene	3125	3280	105	53.6-112
541-73-1	1,3-Dichlorobenzene	3125	3230	103	55.9-110
106-46-7	1,4-Dichlorobenzene	3125	3270	105*	51.1-100
91-94-1	3,3'-Dichlorobenzidine	3125	5300	169	34.0-189
120-83-2	2,4-Dichlorophenol	3125	3200	102	50.1-114
84-66-2	Diethylphthalate	3125	3410	109	50.4-116
105-67-9	2,4-Dimethylphenol	3125	3180	102	41.5-116
131-11-3	Dimethylphthalate	3125	3310	106	49.5-111
534-52-1	4,6-Dinitro-2-methylphenol	3125	2970	95.0	39.2-10.0
51-28-5	2,4-Dinitrophenol	3125	3060	98.0	12.2-100
121-14-2	2,4-Dinitrotoluene	3125	3490	112	51.1-120
606-20-2	2,6-Dinitrotoluene	3125	3420	109	51.7-116
206-44-0	Fluoranthene	3125	3190	102	49.8-120
86-73-7	Fluorene	3125	3410	109	46.3-120
118-74-1	Hexachlorobenzene	3125	3010	96.3	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: LCS3187
Sample wt/vol: 32 (g) Lab File ID: 0708606.D
Level: (low/med) LOW
% Moisture: 0% Decanted:(Y/N) N Date Analyzed: 07/08/05 16:46
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	3130	100	53.0-107
77-47-4	Hexachlorocyclopentadiene	3125	4570	146*	10.0-239
67-72-1	Hexachloroethane	3125	3260	104	53.6-112
193-39-5	Indeno(1,2,3-c,d)pyrene	3125	3820	122*	46.5-112
78-59-1	Isophorone	3125	3800	122	63.4-136
90-12-0	1-Methylnaphthalene	3125	3230	104	27.5-125
91-57-6	2-Methylnaphthalene	3125	2990	95.6	44.3-117
95-48-7	2-Methylphenol	3125	3200	102	50.4-114
108-39-4	4-Methylphenol	6250	5560	88.9	39.0-107
621-64-7	N-Nitrosodi-n-propylamine	3125	3670	117	53.1-128
86-30-6	Diphenylamine	3125	4470	143*	29.2-102
91-20-3	Naphthalene	3125	3250	104	53.3-112
88-74-4	2-Nitroaniline	3125	3320	106	39.6-132
99-09-2	3-Nitroaniline	3125	6510	208*	10.0-368
100-01-6	4-Nitroaniline	3125	3010	96.2	35.5-146
98-95-3	Nitrobenzene	3125	3280	105	53.2-111
88-75-5	2-Nitrophenol	3125	2960	94.9	48.3-110
100-02-7	4-Nitrophenol	3125	3850	123*	39.5-118
87-86-5	Pentachlorophenol	3125	2520	80.8	38.8-99.4
85-01-8	Phenanthrene	3125	3110	99.4	46.5-124
108-95-2	Phenol	3125	3130	100	51.2-116
129-00-0	Pyrene	3125	4220	135*	38.0-132
120-82-1	1,2,4-Trichlorobenzene	3125	3170	102	55.1-111
95-95-4	2,4,5-Trichlorophenol	3125	3320	106	47.4-117
88-06-2	2,4,6-Trichlorophenol	3125	3170	102	47.4-114

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS1-5
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	96
Dilution Factor	1
C_5-C_8 Aliphatics**	180 (mg/Kg)
C_9-C_{12} Aliphatics**	72 (mg/Kg)
C_9-C_{10} Aromatics**	79 (mg/Kg)
Surrogate % Recovery - PID	410***
Surrogate % Recovery - FID	480***

* = 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.

***= High surrogate recovery due to matrix interference

Lab Info: G161-2047-1B

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS1-10
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/07/05
Dry Weight	94
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	94
Surrogate % Recovery - FID	89

* = 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: G161-2047-2E

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS1-12
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	91
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	120
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: G161-2047-3E

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-5
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	84
Dilution Factor	1
C_5-C_8 Aliphatics**	70 (mg/Kg)
C_9-C_{12} Aliphatics**	40 (mg/Kg)
C_9-C_{10} Aromatics**	33 (mg/Kg)
Surrogate % Recovery - PID	220***
Surrogate % Recovery - FID	250***

* = 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

***= High surrogate recovery due to matrix interference

Lab Info: G161-2047-4C

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-10
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	93
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	120
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: G161-2047-5C

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-10 (Dup)
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	91
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	110
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: G161-2047-6A

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-15
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	92
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	120
Surrogate % Recovery - FID	97

* = 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: G161-2047-7D

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-18
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	88
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	110
Surrogate % Recovery - FID	87

* = 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: G161-2047-8D

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-5
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	87
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	110
Surrogate % Recovery - FID	86

* = 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: G161-2047-9B

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-10
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	94
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	110
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: G161-2047-10E

Reviewed By: [illegible]

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-15
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	96
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	110
Surrogate % Recovery - FID	87

* = 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: G161-2047-11E

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-18.5
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	94
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	110
Surrogate % Recovery - FID	83

* = 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: G161-2047-12C

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS4-5
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	73
Dilution Factor	1
C_5-C_8 Aliphatics**	< 10 (mg/Kg)
C_9-C_{12} Aliphatics**	43 (mg/Kg)
C_9-C_{10} Aromatics**	69 (mg/Kg)
Surrogate % Recovery - PID	260***
Surrogate % Recovery - FID	190***

* = 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.

***= High surrogate recovery due to matrix interference

Lab Info: G161-2047-13C

Reviewed By: [illegible]

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS4-10
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	74
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	120
Surrogate % Recovery - FID	100

* = 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: G161-2047-14A

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS4-15
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/06/05
Dry Weight	70
Dilution Factor	1
C_5-C_8 Aliphatics**	< 10 (mg/Kg)
C_9-C_{12} Aliphatics**	23 (mg/Kg)
C_9-C_{10} Aromatics**	27 (mg/Kg)
Surrogate % Recovery - PID	190***
Surrogate % Recovery - FID	120

* = 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.

***= High surrogate recovery due to matrix interference

Lab Info: G161-2047-15D

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS4-20
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	84
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	110
Surrogate % Recovery - FID	90

* = 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: G161-2047-16D

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: 07/05/05

Calibration Check

Range	Levels (µg/L)	(mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	12.8
C_9-C_{12} Aliphatics	500	50	-17.8
C_9-C_{10} Aromatics	500	50	-3.8

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

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: 07/06/05

Calibration Check

Range	Levels (µg/L)	(mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	15.2
C_9-C_{12} Aliphatics	500	50	-8.8
C_9-C_{10} Aromatics	500	50	-4.4

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 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: 07/07/05

Calibration Check

Range	Levels (µg/L)	(mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	17.9
C_9-C_{12} Aliphatics	500	50	-5.1
C_9-C_{10} Aromatics	500	50	0.8

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

Paradigm Analytical Laboratories, INC.

2D

Soil VPH System Monitoring Compound Recovery

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

	EPA SAMPLE NO.	LAB SAMPLE ID	S1 (BFB-PID)	S2 (BFB-FID)
01	NS4-20	G161-2047-16D	110	90
02	NS1-5	G161-2047-1B	410 #	480 #
03	NS1-10	G161-2047-2E	94	89
04	NS1-12	G161-2047-3E	120	93
05	NS2-5	G161-2047-4C	220 #	250 #
06	NS2-10	G161-2047-5C	120	110
07	NS2-10 (Dup)	G161-2047-6A	110	85
08	NS2-15	G161-2047-7D	120	97
09	NS2-18	G161-2047-8D	110	87
10	NS3-5	G161-2047-9B	110	86
11	NS3-10	G161-2047-10E	110	85
12	NS3-15	G161-2047-11E	110	87
13	NS3-18.5	G161-2047-12C	110	83
14	NS4-5	G161-2047-13C	260 #	190 #
15	NS4-10	G161-2047-14A	120	100
16	NS4-15	G161-2047-15D	190 #	120
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				

	QC LIMITS
S1 (BFB_PID) = 4-Bromofluorobenzene	(70-130)
S2 (BFB-FID) = 4-Bromofluorobenzene	(70-130)

Paradigm Analytical Laboratories, INC.

4C

VPH METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK4070505A

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab Sample ID: VBLK4070505A Lab File ID: 006F0101.D

Date Analyzed: 2005-07-05 Instrument ID: GC4

Time Analyzed: 09:32 GC Column:

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

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	NS4-20	G161-2047-16D	030F0101.D	2005-07-05 19:37
02	NS4-20	G161-2047-16D	031F0101.D	2005-07-05 20:03
03	NS1-5	G161-2047-1B	032F0101.D	2005-07-05 20:28
04	NS1-10	G161-2047-2E	033F0101.D	2005-07-05 20:53
05	NS1-10	G161-2047-2E	034F0101.D	2005-07-05 21:18
06	NS1-10	G161-2047-2E	035F0101.D	2005-07-05 21:44
07	NS1-12	G161-2047-3E	037F0101.D	2005-07-05 22:34
08	NS2-5	G161-2047-4C	038F0101.D	2005-07-05 22:59
09	NS2-10	G161-2047-5C	039F0101.D	2005-07-05 23:24
10	NS2-10 (Dup)	G161-2047-6A	040F0101.D	2005-07-05 23:50
11	NS2-15	G161-2047-7D	041F0101.D	2005-07-06 00:15
12	NS2-18	G161-2047-8D	042F0101.D	2005-07-06 00:40
13	NS3-5	G161-2047-9B	043F0101.D	2005-07-06 01:05
14	NS3-10	G161-2047-10E	044F0101.D	2005-07-06 01:30
15	NS3-15	G161-2047-11E	045F0101.D	2005-07-06 01:56
16	NS3-18.5	G161-2047-12C	046F0101.D	2005-07-06 02:21
17	NS4-5	G161-2047-13C	047F0101.D	2005-07-06 02:46
18	NS4-10	G161-2047-14A	048F0101.D	2005-07-06 03:11
19	NS4-15	G161-2047-15D	049F0101.D	2005-07-06 03:36
20	Trip Blank	G161-2047-17B	050F0101.D	2005-07-06 04:01
21	NS2-10 (Dup)	G161-2047-6A	051F0101.D	2005-07-06 04:26
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				

COMMENTS:

Paradigm Analytical Laboratories, INC.

4C

VPH METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK4070705A

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab Sample ID: VBLK4070705A Lab File ID: 009F0101.D

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

Time Analyzed: 11:13 GC Column:

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

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	NS1-10	G161-2047-2E	017F0101.D	2005-07-07 14:35
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
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34				
35				
36				

COMMENTS: _____

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	07/05/05
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	100
Surrogate % Recovery - FID	100

* = 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: vblk4070505a

Reviewed By: _____

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	07/07/05
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	91
Surrogate % Recovery - FID	91

* = 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: vblk4070705a

Reviewed By: _____

LCS Results for VPH
by MDEP-VPH

Client Sample ID:	LCS	Date Analyzed:	7/5/2005
Client Project ID:		Analyzed By:	DCS
Lab Sample ID:	vlcs4070505a	Date Collected:	
Lab Project ID:		Date Received:	
Matrix:	Water	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			
C_9-C_{10} Aromatics		5			
Gasoline	40	34	84	70	130

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit

MS/MSD Results for VPH
by MDEP-VPH

Client Sample ID:	Batch QC	Date Analyzed:	7/5/2005
Client Project ID:		Analyzed By:	DCS
Lab Sample ID:	QC4070505a	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	20	20
C_9-C_{12} Aliphatics	BQL	8.7	8.4
C_9-C_{10} Aromatics	BQL	5.6	5.4

		Total	%Rec	Total	%Rec	RPD
Gasoline	BQL	34	86%	34	85%	1.5

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit

LCS Results for VPH
by MDEP-VPH

Client Sample ID:	LCS	Date Analyzed:	7/7/2005
Client Project ID:		Analyzed By:	DCS
Lab Sample ID:	vlcs4070705a	Date Collected:	
Lab Project ID:		Date Received:	
Matrix:	Water	Dilution:	1.0

Compound	Spike mg/kg	LCS mg/kg	Percent Recovery	Recovery Limits Low	High
C_5-C_8 Aliphatics		21			
C_9-C_{12} Aliphatics		8.7			
C_9-C_{10} Aromatics		5			
Gasoline	40	35	87	70	130

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit

MS/MSD Results for VPH
by MDEP-VPH

Client Sample ID:	Batch QC	Date Analyzed:	7/7/2005)
Client Project ID:		Analyzed By:	DCS
Lab Sample ID:	QC4070705a	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	29	39	42
C_9-C_{12} Aliphatics	2.8	6.6	7.4
C_9-C_{10} Aromatics	0.76	3.2	3.9

		Total	%Rec	Total	%Rec	RPD
Gasoline	32.6	49	41%	53	52%	24.3

Reviewed By: [signature]

Comments:
BQL = Below Quantitation Limit

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name. ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS1-5
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/07/05
Dry Weight	96.1
Dilution Factor	1:1
C_9-C_{18} Aliphatics*	16 (mg/Kg)
C_{19}-C_{36} Aliphatics*	32 (mg/Kg)
C_{11}-C_{22} Aromatics*	22 (mg/Kg)
Aliphatic Surrogate % Recovery	98
Aromatic Surrogate % Recovery	79
Fractionation Surrogate 1 % Recovery	56

Comments:

* = Excludes any surrogates or internal standards.

Lab info: G161-2047-1G

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-5
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	84
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	110
Aromatic Surrogate % Recovery	100

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-4G

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-10
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	92.8
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-5G

Reviewed By: [illegible]

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-10 (Dup)
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	91.1
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-6G

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results .	
Sample Identification	NS2-15
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	92
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-7G

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-18
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	88
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-8G

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-5
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	87
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-9G

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-10
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/07/05
Dry Weight	94.4
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-10G

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-15
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/07/05
Dry Weight	96
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	100
Aromatic Surrogate % Recovery	100

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-11G

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS3-18.5
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/07/05
Dry Weight	94.1
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	98
Aromatic Surrogate % Recovery	100

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-12G

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS4-5
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/07/05
Dry Weight	72.6
Dilution Factor	4.1
C_9-C_{18} Aliphatics*	2400 (mg/Kg)
C_{19}-C_{36} Aliphatics*	45 (mg/Kg)
C_{11}-C_{22} Aromatics*	1100 (mg/Kg)
Aliphatic Surrogate % Recovery	104
Aromatic Surrogate % Recovery	110
Fractionation Surrogate 1 % Recovery	64

Comments:

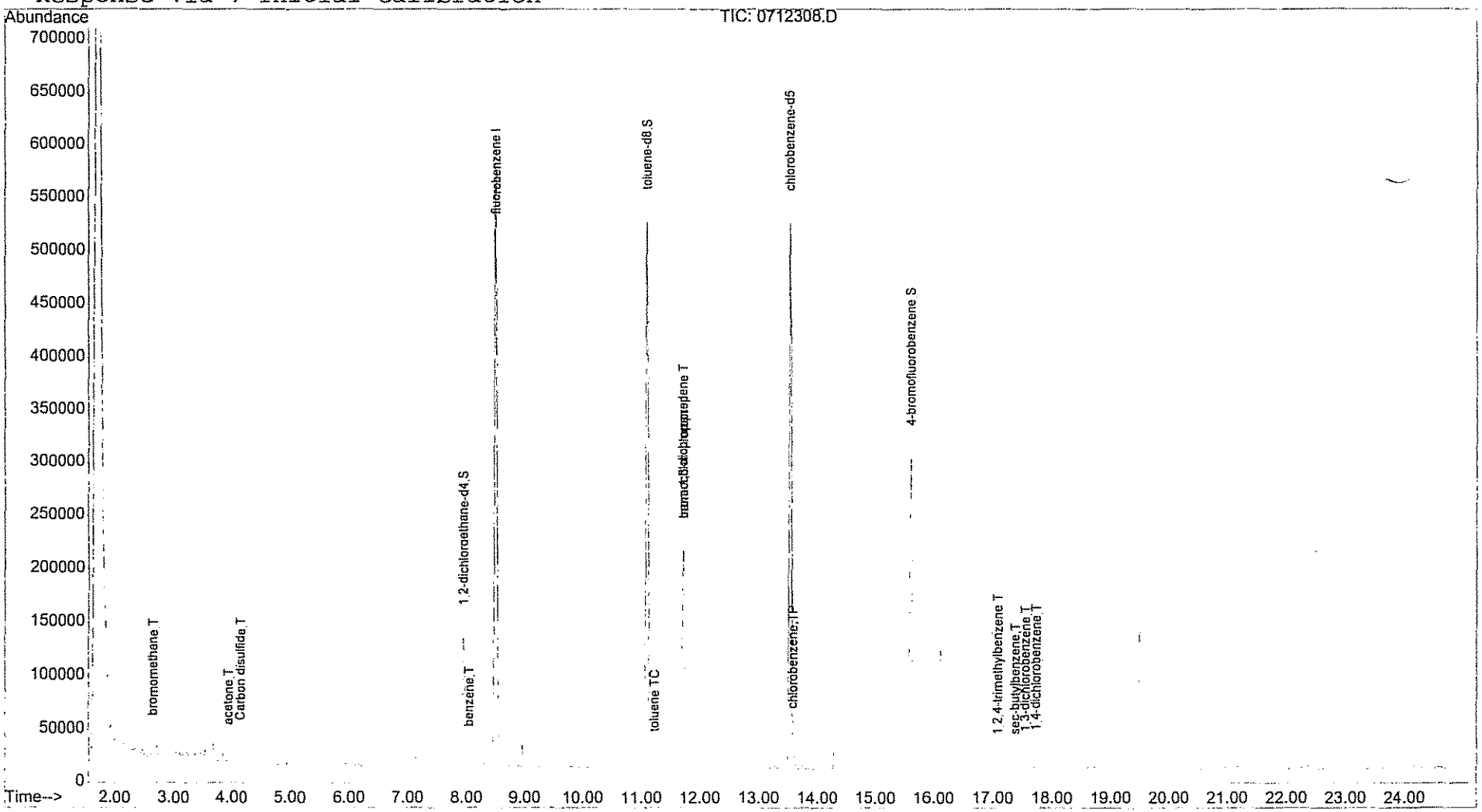
* = Excludes any surrogates or internal standards

Lab info: G161-2047-13G

Reviewed By:

Data File : C:\HPCHEM\1\DATA\3071205\0712308.D Vial: 8
Acq On : 12 Jul 2005 12:17 pm Operator: JTF
Sample : g161-2047-17a Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 7:22 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3071305\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 13 15:18:45 2005
Response via : Initial Calibration

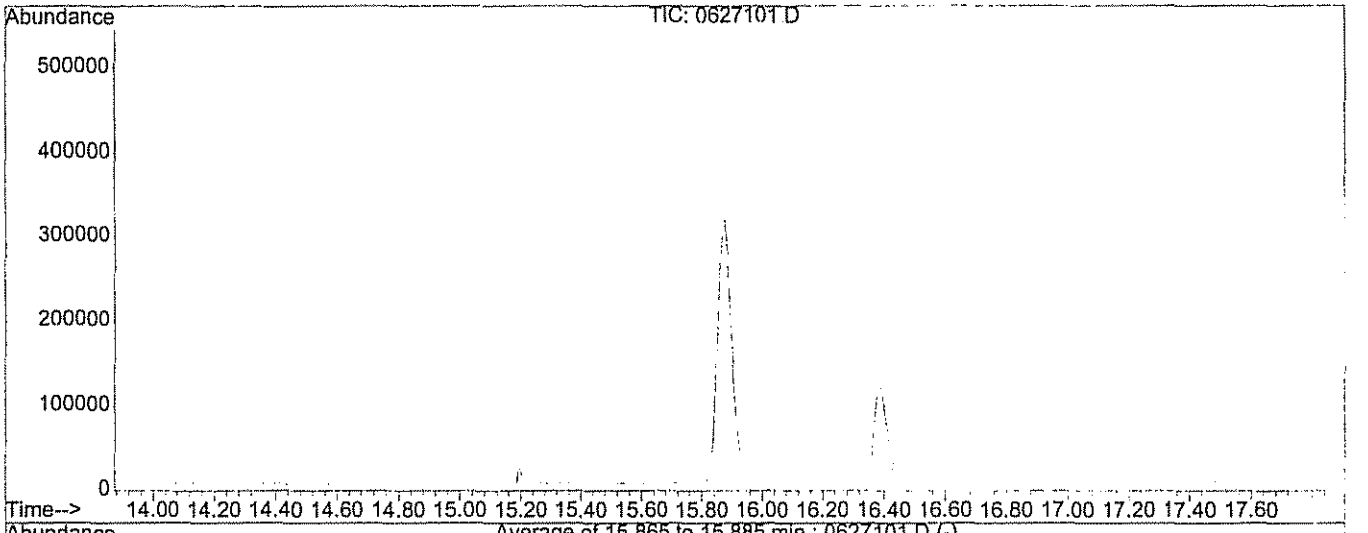


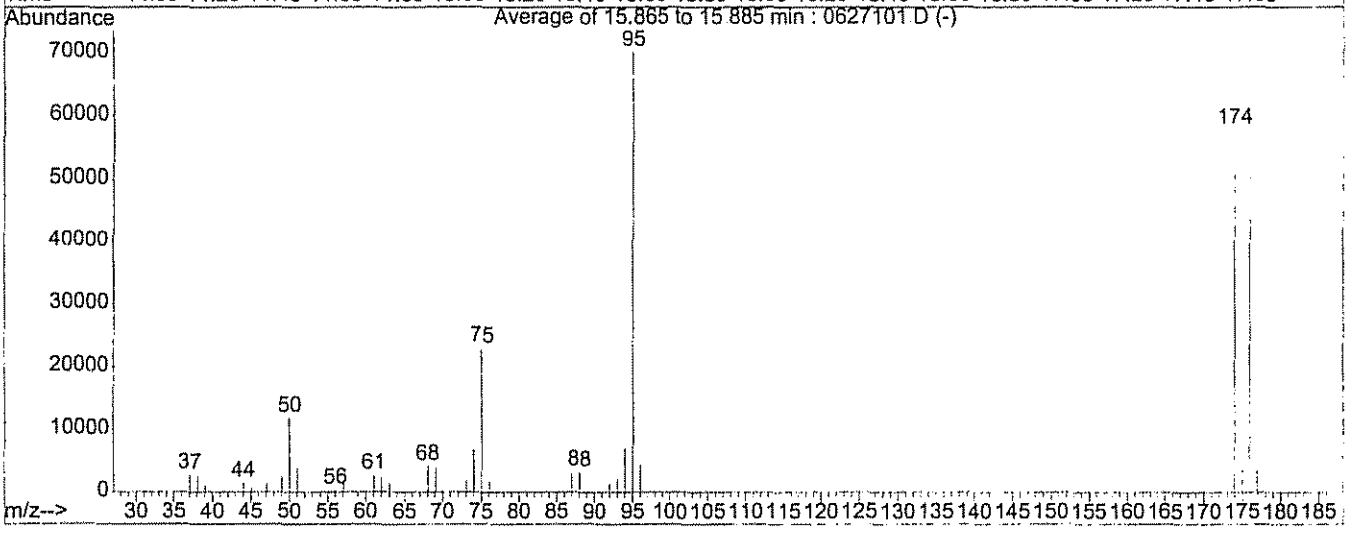
8260 Calibration Raw Data

BFB

Data File : K:\1\DATA\1062705\0627101.D
Acq On : 27 Jun 2005 9:07 am
Sample : bfb 50ng
Misc :
MS Integration Params: rteint.p
Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX

Vial: 1
Operator: jtf
Inst : MSD1
Multiplr: 1.00





Spectrum Information: Average of 15.865 to 15.885 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.9	11864	PASS
75	95	30	60	32.6	22915	PASS
95	95	100	100	100.0	70203	PASS
96	95	5	9	6.3	4441	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.3	57768	PASS
175	174	5	9	7.2	4137	PASS
176	174	95	101	98.0	56619	PASS
177	176	5	9	6.7	3773	PASS

0627101.D 6210D.M Wed Jul 13 16:32:00 2005 X

Response Factor Report MSD1

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration)

Calibration Files
4 =0627108.D 3 =0627106.D 1 =0627104.D
2 =0627105.D 6 =0627107.D 7 =0627109.D

		Compound	4	3	1	2	6	7	Avg	%RSD
1)	I	fluorobenzene	----------ISTD----------							
2)	T	dichlorodifluoromet	0.149	0.139	0.176	0.133	0.152	0.127	0.146	12.07
3)	TP	chloromethane	0.305	0.347	0.463	0.352	0.342		0.362	16.50
4)	TC	vinyl chloride	0.262	0.247	0.336	0.236	0.264	0.226	0.262	14.88
5)	T	bromomethane		0.070	0.029	0.056	0.082	0.070	0.062	32.92
6)	T	chloroethane	0.140	0.138	0.188	0.134	0.147		0.150	14.76
7)	T	trichlorofluorometh	0.170	0.162	0.202	0.149	0.171	0.140	0.165	12.90
8)	T	acrolein	0.020	0.019	0.025	0.017	0.020	0.016	0.019	15.94
9)	TC	1,1-dichloroethene	0.157	0.164	0.138	0.163	0.150	0.143	0.152	7.05
10)	T	acetone		0.025	0.031	0.024	0.023	0.021	0.025	14.27
11)	T	methylene chloride	0.153	0.158	0.143	0.164	0.148	0.139	0.151	6.23
12)	T	trans-1,2-dichloroe	0.198	0.200	0.156	0.207	0.189	0.178	0.188	9.87
13)	T	acrylonitrile	0.031	0.029	0.038	0.026	0.031	0.027	0.030	14.37
14)	TP	1,1-dichloroethane	0.370	0.382	0.334	0.383	0.356	0.341	0.361	5.76
15)	T	2,2-dichloropropane	0.178	0.193	0.163	0.200	0.176	0.158	0.178	9.19
16)	T	cis-1,2-dichloroeth	0.197	0.201	0.173	0.206	0.190	0.179	0.191	6.85
17)	T	2-butanone	0.036	0.037	0.035	0.037	0.034	0.033	0.035	5.06
18)	T	bromochloromethane	0.072	0.073	0.051	0.072	0.069	0.065	0.067	12.23
19)	TC	chloroform	0.242	0.249	0.217	0.253	0.231	0.222	0.236	6.22
20)	T	1,1,1-trichloroetha	0.200	0.202	0.174	0.209	0.195	0.181	0.193	6.93
21)	T	carbon tetrachlorid	0.156	0.159	0.130	0.165	0.153	0.145	0.151	8.15
22)	T	1,1-dichloropropene	0.207	0.210	0.173	0.219	0.202	0.186	0.200	8.39
23)	S	1,2-dichloroethane-	0.140	0.140	0.145	0.143	0.142	0.141	0.142	1.31
24)	T	benzene	0.649	0.670	0.577	0.687	0.633	0.596	0.635	6.67
25)	T	1,2-dichloroethane	0.136	0.139	0.113	0.141	0.131	0.123	0.130	8.20
26)	T	trichloroethene	0.178	0.184	0.149	0.189	0.177	0.160	0.173	8.93
27)	TC	1,2-dichloropropane	0.193	0.204	0.193	0.210	0.186	0.176	0.194	6.33
28)	T	dibromomethane	0.055	0.056	0.038	0.055	0.051	0.050	0.051	13.09
29)	T	bromodichloromethan	0.141	0.145	0.129	0.146	0.135	0.128	0.137	5.91
30)	T	2-chloroethyl vinyl	0.008	0.009		0.006	0.007	0.011	0.008	26.59
31)	T	cis-1,3-dichloropro	0.174	0.186	0.141	0.187	0.168	0.161	0.169	10.24
32)	T	4-methyl-2-pentanon	0.072	0.071	0.075	0.070	0.067	0.067	0.070	4.41
33)	S	toluene-d8	0.692	0.684	0.690	0.687	0.695	0.695	0.691	0.65
34)	TC	toluene	0.442	0.447	0.383	0.463	0.427	0.409	0.428	6.75
35)	T	Iodomethane	0.176	0.066	0.005	0.047	0.123	0.203	0.103	74.64
36)	T	trans-1,3-dichlorop	0.115	0.118	0.093	0.118	0.112	0.107	0.110	8.49
37)	T	Vinyl acetate	0.329	0.340	0.310	0.345	0.308		0.327	5.19
38)	T	Carbon disulfide	0.518	0.531	0.447	0.555	0.507	0.467	0.504	8.03
39)	I	bromochloropropane	----------ISTD----------							
40)	T	1,1,2-trichloroetha		0.785	0.602	0.773	0.707	0.690	0.711	10.36
41)	T	tetrachloroethene	2.142	2.160	1.896	2.262	2.081	2.012	2.092	6.09
42)	T	1,3-dichloropropane		1.644	1.448	1.627	1.509	1.438	1.533	6.34

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report MSD1

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration

Calibration Files
4 =0627108.D 3 =0627106.D 1 =0627104.D
2 =0627105.D 6 =0627107.D 7 =0627109.D

		Compound	4	3	1	2	6	7	Avg	%RSD
43)	T	2-hexanone	0.549	0.534	0.574	0.502	0.504	0.524	0.531	5.18
44)	T	dibromochloromethan	1.142	1.169	0.886	1.206	1.094	1.080	1.096	10.31
45)	T	1,2-dibromoethane	0.889	0.899	0.697	0.890	0.848	0.831	0.842	9.01
46)	TP	chlorobenzene	5.010	5.099	4.354	5.198	4.773	4.729	4.861	6.34
47)	T	1,1,1,2-tetrachloro	1.569	1.611	1.356	1.632	1.514	1.471	1.526	6.71
48)	TP	bromoform	0.563	0.567	0.424	0.529	0.535	0.530	0.525	9.93
49)	S	4-bromofluorobenzen	3.378	3.315	3.324	3.267	3.340	3.404	3.338	1.45
50)	T	bromobenzene	1.843	1.839	1.435	1.808	1.761	1.707	1.732	8.92
51)	TP	1,1,2,2-tetrachloro		0.885	0.746	0.886	0.829	0.803	0.830	7.12
52)	T	1,2,3-trichloroprop	1.355	1.337	1.051	1.277	1.259	1.315	1.266	8.80
53)		chlorobenzene-d5	----------ISTD----------							
54)	TC	ethylbenzene	1.107	1.127	0.930	1.133	1.074	1.048	1.070	7.06
55)	T	m/p-xylene	0.432	0.440	0.350	0.442	0.418	0.399	0.414	8.41
56)	T	styrene	0.605	0.601	0.470	0.596	0.570	0.562	0.567	8.99
57)	T	o-xylene	0.402	0.412	0.320	0.405	0.386	0.371	0.383	8.91
58)	T	isopropylbenzene	1.045	1.037	0.869	1.062	0.994	0.980	0.998	7.06
59)	T	n-propyl benzene	1.185	1.175	0.962	1.191	1.138	1.130	1.130	7.60
60)	T	2-chlorotoluene	0.213	0.213	0.170	0.242	0.225	0.194	0.209	11.90
61)	T	4-chlorotoluene	0.253	0.254	0.201	0.253	0.241	0.233	0.239	8.57
62)	T	1,3,5-trimethylbenz	0.767	0.763	0.617	0.762	0.730	0.711	0.725	7.90
63)	T	tert-butylbenzene	0.634	0.634	0.536	0.653	0.624	0.588	0.612	6.97
64)	T	1,2,4-trimethylbenz	0.738	0.706	0.548	0.695	0.687	0.684	0.676	9.72
65)	T	sec-butylbenzene	0.995	0.977	0.797	0.979	0.942	0.945	0.939	7.72
66)	T	1,3-dichlorobenzene	0.495	0.494	0.390	0.483	0.469	0.458	0.465	8.49
67)	T	4-isopropyltoluene	0.862	0.830	0.664	0.814	0.793	0.814	0.796	8.62
68)	T	1,4-dichlorobenzene	0.481	0.480	0.397	0.468	0.452	0.445	0.454	6.89
69)	T	1,2-dichlorobenzene	0.387	0.392	0.302	0.384	0.367	0.354	0.364	9.25
70)	T	n-butylbenzene	0.662	0.626	0.499	0.594	0.618	0.625	0.604	9.25
71)	T	1,2-dibromo-3-chlor	0.012	0.012	0.009	0.011	0.011	0.011	0.011	8.95
72)	T	1,2,4-trichlorobenz	0.184	0.177	0.135	0.163	0.171	0.178	0.168	10.46
73)	T	hexachlorobutadiene	0.097	0.093	0.076	0.090	0.091	0.092	0.090	8.19
74)	T	naphthalene	0.236	0.221	0.191	0.201	0.217	0.224	0.215	7.52
75)	T	trans-1,4-Dichloro-	0.011	0.010	0.004	0.008	0.009	0.010	0.009	29.81
76)	T	1,2,3-trichlorobenz	0.138	0.130	0.099	0.117	0.127	0.130	0.123	11.09
77)	T	MTBE	0.314	0.330	0.270	0.328	0.299	0.286	0.304	7.87
78)	T	DIPE	0.982	1.028	0.893	1.051	0.955	0.916	0.971	6.39

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data File : K:\1\DATA\1062705\0627103.D
Acq On : 27 Jun 2005 10:54 am
Sample : vstd0.5
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 11:19 2005

Vial: 3
Operator: jtf
Inst : MSD1
Multiplr: 1.00
Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 20 07:39:17 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.76	96	2658101	10.00	ppb	-0.03
39) bromochloropropane	11.97	79	227894	10.00	ppb	-0.02
53) chlorobenzene-d5	13.79	117	1787132	10.00	ppb	-0.03
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	8.20	65	358975	8.91	ppb	-0.02
Spiked Amount 10.000			Recovery	=	89.10%	
33) toluene-d8	11.35	98	1815388	9.95	ppb	-0.03
Spiked Amount 10.000			Recovery	=	99.50%	
49) 4-bromofluorobenzene	15.87	95	733983	10.59	ppb	-0.02
Spiked Amount 10.000			Recovery	=	105.90%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	2.04	85	12656	0.27	ppb	#	42
3) chloromethane	2.22	50	44954	0.33	ppb		99
4) vinyl chloride	2.38	62	24855	0.28	ppb		80
5) bromomethane	2.79	94	5569	0.22	ppb		89
6) chloroethane	2.93	64	12382	0.28	ppb	#	45
7) trichlorofluoromethane	3.31	101	13793	0.27	ppb		78
8) acrolein	3.88	56	46833	8.27	ppb		90
9) 1,1-dichloroethene	4.06	96	22464	0.32	ppb	#	76
10) acetone	4.15	43	28942	2.26	ppb	#	82
11) methylene chloride	4.84	84	20143	0.45	ppb	#	58
12) trans-1,2-dichloroethene	5.28	96	27589	0.50	ppb	#	75
13) acrylonitrile	5.21	53	69538	7.22	ppb		99
14) 1,1-dichloroethane	5.96	63	50588	0.42	ppb		97
15) 2,2-dichloropropane	6.90	77	26282	0.48	ppb		91
16) cis-1,2-dichloroethene	6.91	96	27259	0.51	ppb	#	76
17) 2-butanone	6.95	43	28410	1.76	ppb	#	74
18) bromochloromethane	7.27	128	8306	0.48	ppb	#	48
19) chloroform	7.42	83	33338	0.47	ppb		94
20) 1,1,1-trichloroethane	7.71	97	27391	0.49	ppb		91
21) carbon tetrachloride	8.00	117	21175	0.50	ppb		99
22) 1,1-dichloropropene	7.98	75	28554	0.44	ppb		93
24) benzene	8.31	78	93840	0.46	ppb		97
25) 1,2-dichloroethane	8.31	62	16477	0.40	ppb		74
26) trichloroethene	9.36	95	25518	0.49	ppb		95
27) 1,2-dichloropropane	9.70	63	28650	0.45	ppb		98
28) dibromomethane	9.89	93	5291	0.35	ppb	#	84
29) bromodichloromethane	10.14	83	19409	0.50	ppb		82
31) cis-1,3-dichloropropene	10.90	75	21864	0.42	ppb		84
32) 4-methyl-2-pentanone	11.18	43	55130	1.89	ppb	#	79

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

Quantitation Report (QT Reviewed)

Data File : K:\1\DATA\1062705\0627103.D
Acq On : 27 Jun 2005 10:54 am
Sample : vstd0.5
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 11:19 2005

Vial: 3
Operator: jtf
Inst : MSD1
Multiplr: 1.00

Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 20 07:39:17 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
34)	toluene	11.47	92	61648	0.47	ppb		99
35)	Iodomethane	4.27	142	3512	1.52	ppb	#	44
36)	trans-1,3-dichloropropene	11.84	75	15687	0.48	ppb		91
37)	Vinyl acetate	6.07	43	117799	0.80	ppb	#	91
38)	Carbon disulfide	4.41	76	73608	0.44	ppb	#	93
40)	1,1,2-trichloroethane	12.13	83	8534	0.51	ppb	#	85
41)	tetrachloroethene	12.40	166	26741	0.55	ppb		92
42)	1,3-dichloropropane	12.41	76	19411	0.52	ppb		98
43)	2-hexanone	12.57	43	39513	1.95	ppb	#	77
44)	dibromochloromethane	12.79	129	13760	0.64	ppb		100
45)	1,2-dibromoethane	12.98	107	10684	0.58	ppb		91
46)	chlorobenzene	13.84	112	64465	0.58	ppb		98
47)	1,1,1,2-tetrachloroethane	13.99	131	19503	0.65	ppb		94
48)	bromoform	15.26	173	6282	0.59	ppb		87
50)	bromobenzene	16.13	156	21993	0.58	ppb		90
51)	1,1,2,2-tetrachloroethane	16.14	83	11223	0.57	ppb		89
52)	1,2,3-trichloropropane	16.24	75	15341	0.59	ppb		83
54)	ethylbenzene	14.06	91	104732	0.44	ppb		98
55)	m/p-xylene	14.27	106	86219	0.98	ppb		89
56)	styrene	14.99	104	55415	0.47	ppb		100
57)	o-xylene	14.96	106	40160	0.50	ppb		89
58)	isopropylbenzene	15.63	105	102985	0.49	ppb		95
59)	n-propyl benzene	16.35	91	117898	0.46	ppb		94
60)	2-chlorotoluene	16.49	126	20152	0.45	ppb		84
61)	4-chlorotoluene	16.69	126	25391	0.56	ppb	#	79
62)	1,3,5-trimethylbenzene	16.68	105	74200	0.48	ppb		89
63)	tert-butylbenzene	17.27	119	64442	0.50	ppb		86
64)	1,2,4-trimethylbenzene	17.35	105	70671	0.49	ppb		90
65)	sec-butylbenzene	17.66	105	92968	0.45	ppb		85
66)	1,3-dichlorobenzene	17.83	146	48051	0.57	ppb		99
67)	4-isopropyltoluene	17.94	119	84546	0.56	ppb		92
68)	1,4-dichlorobenzene	18.00	146	46408	0.57	ppb		92
69)	1,2-dichlorobenzene	18.66	146	37347	0.58	ppb		97
70)	n-butylbenzene	18.69	91	64531	0.45	ppb		90
71)	1,2-dibromo-3-chloropropan	20.06	75	5624	8.69	ppb		96
72)	1,2,4-trichlorobenzene	21.62	180	16043	1.72	ppb		99
73)	hexachlorobutadiene	21.97	225	9291	1.50	ppb		91
74)	naphthalene	22.05	128	20933	1.94	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.24	89	3860	8.77	ppb	#	28
76)	1,2,3-trichlorobenzene	22.50	180	11662	1.74	ppb		97
77)	MTBE	5.31	73	26866	0.43	ppb		90

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

Quantitation Report (QT Reviewed)

Data File : K:\1\DATA\1062705\0627103.D
Acq On : 27 Jun 2005 10:54 am
Sample : vstd0.5
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 11:19 2005

Vial: 3
Operator: jtf
Inst : MSD1
Multiplr: 1.00
Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 20 07:39:17 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

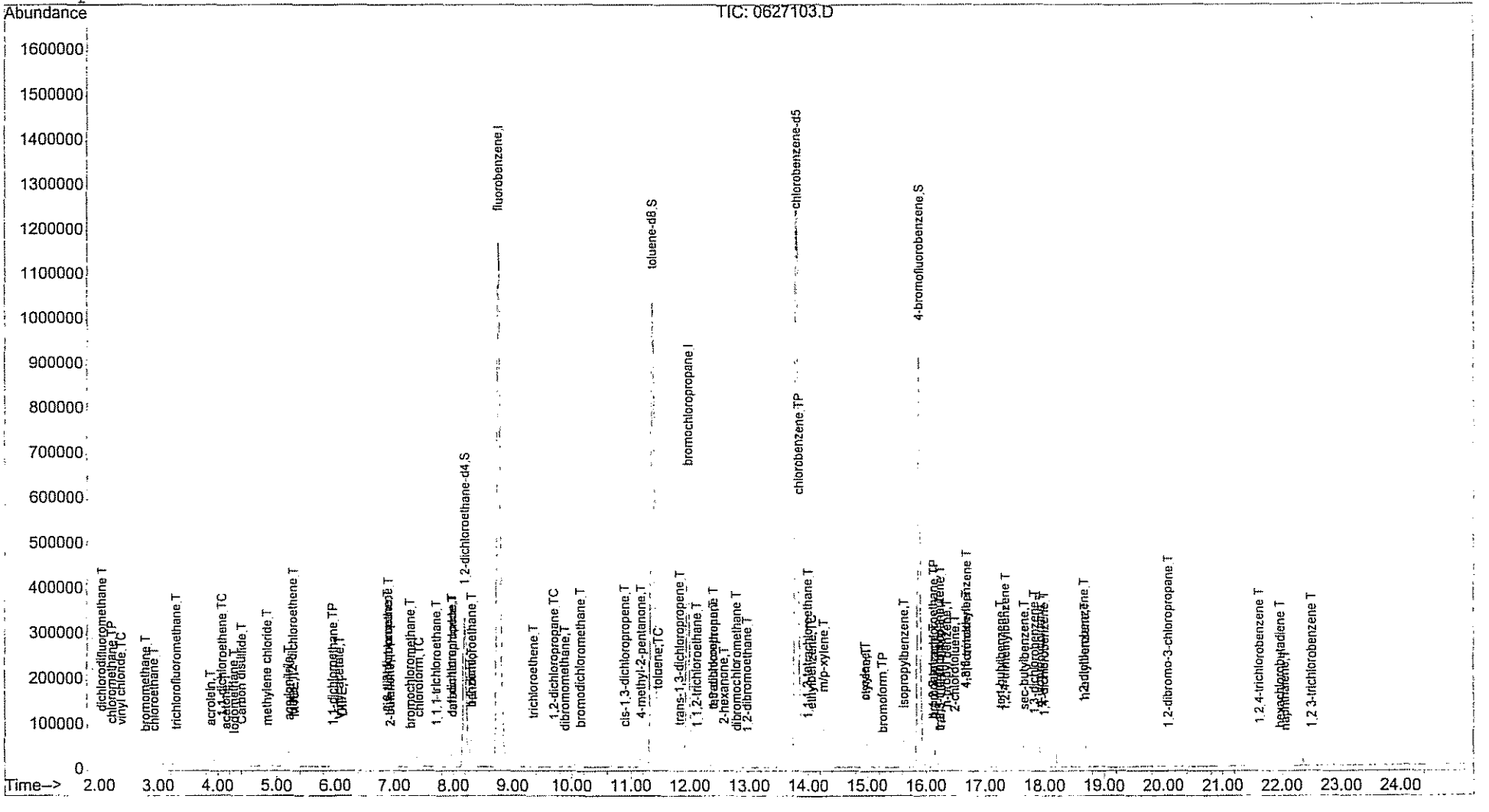
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78) DIPE	6.13	45	98252	0.32 ppb	87

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

Quantitation Report

Data File : K:\1\DATA\1062705\0627103.D Vial: 3
Acq On : 27 Jun 2005 10:54 am Operator: jtf
Sample : vstd0.5 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 27 11:19 2005 Quant Results File: 6210D.RES

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627104.D
Acq On : 27 Jun 2005 11:25 am
Sample : vstd0.5
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005

Vial: 4
Operator: jtf
Inst : MSD1
Multiplr: 1.00

Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.76	96	2621965	10.00	ppb	-0.02
39) bromochloropropane	11.98	79	232775	10.00	ppb	0.00
53) chlorobenzene-d5	13.80	117	1826615	10.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	8.20	65	379989	10.21	ppb	0.00
Spiked Amount 10.000			Recovery	=	102.10%	
33) toluene-d8	11.36	98	1810356	10.00	ppb	0.00
Spiked Amount 10.000			Recovery	=	100.00%	
49) 4-bromofluorobenzene	15.87	95	773820	9.96	ppb	0.00
Spiked Amount 10.000			Recovery	=	99.60%	
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.03	85	23127	0.60	ppb	96
3) chloromethane	2.23	50	60760	0.21	ppb	93
4) vinyl chloride	2.38	62	43995	0.64	ppb	77
5) bromomethane	2.79	94	3834	Below Cal	#	3
6) chloroethane	2.94	64	24685	0.63	ppb	92
7) trichlorofluoromethane	3.30	101	26427	0.61	ppb	93
8) acrolein	3.88	56	82086	Below Cal		97
9) 1,1-dichloroethene	4.06	96	18031	0.45	ppb	97
10) acetone	4.14	43	20273	3.09	ppb #	63
11) methylene chloride	4.83	84	18711	0.47	ppb	92
12) trans-1,2-dichloroethene	5.28	96	20446	0.42	ppb	92
13) acrylonitrile	5.22	53	125192	15.77	ppb	100
14) 1,1-dichloroethane	5.95	63	43722	0.46	ppb	92
15) 2,2-dichloropropane	6.89	77	21346	0.46	ppb	95
16) cis-1,2-dichloroethene	6.90	96	22618	0.45	ppb	98
17) 2-butanone	6.94	43	22807	2.46	ppb #	60
18) bromochloromethane	7.27	128	6703	0.38	ppb #	80
19) chloroform	7.41	83	28417	0.46	ppb	90
20) 1,1,1-trichloroethane	7.71	97	22769	0.45	ppb	94
21) carbon tetrachloride	7.98	117	17044	0.43	ppb	95
22) 1,1-dichloropropene	7.98	75	22737	0.43	ppb	93
24) benzene	8.31	78	75680	0.45	ppb	97
25) 1,2-dichloroethane	8.32	62	14826	0.43	ppb	68
26) trichloroethene	9.36	95	19512	0.43	ppb	98
27) 1,2-dichloropropane	9.69	63	25250	0.50	ppb	94
28) dibromomethane	9.88	93	5025	0.38	ppb #	82
29) bromodichloromethane	10.15	83	16866	0.47	ppb	88
31) cis-1,3-dichloropropene	10.90	75	18426	0.41	ppb	89
32) 4-methyl-2-pentanone	11.17	43	48945	2.66	ppb #	90

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627104.D Vial: 4
Acq On : 27 Jun 2005 11:25 am Operator: jtf
Sample : vstd0.5 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005 Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
34)	toluene	11.46	92	50187	0.45 ppb		92
35)	Iodomethane	4.29	142	691	2.45 ppb	#	45
36)	trans-1,3-dichloropropene	11.83	75	12234	0.42 ppb		89
37)	Vinyl acetate	6.06	43	101649	1.19 ppb		95
38)	Carbon disulfide	4.40	76	58561	0.44 ppb	#	93
40)	1,1,2-trichloroethane	12.13	83	7003	0.42 ppb		93
41)	tetrachloroethene	12.40	166	22065	0.45 ppb		95
42)	1,3-dichloropropane	12.42	76	16857	0.47 ppb		89
43)	2-hexanone	12.58	43	33420	2.70 ppb	#	95
44)	dibromochloromethane	12.78	129	10313	0.40 ppb		89
45)	1,2-dibromoethane	12.97	107	8115	0.41 ppb		98
46)	chlorobenzene	13.85	112	50675	0.45 ppb		94
47)	1,1,1,2-tetrachloroethane	13.98	131	15783	0.44 ppb		89
48)	bromoform	15.26	173	4931	0.40 ppb		86
50)	bromobenzene	16.13	156	16696	0.41 ppb		99
51)	1,1,2,2-tetrachloroethane	16.14	83	8682	0.45 ppb		95
52)	1,2,3-trichloropropane	16.24	75	12227	0.41 ppb		98
54)	ethylbenzene	14.05	91	84958	0.43 ppb		97
55)	m/p-xylene	14.27	106	64012	0.85 ppb		95
56)	styrene	14.98	104	42886	0.41 ppb		100
57)	o-xylene	14.96	106	29204	0.42 ppb		94
58)	isopropylbenzene	15.63	105	79362	0.44 ppb		98
59)	n-propyl benzene	16.35	91	87889	0.43 ppb		98
60)	2-chlorotoluene	16.49	126	18098	0.47 ppb		97
61)	4-chlorotoluene	16.69	126	18395	0.42 ppb	#	97
62)	1,3,5-trimethylbenzene	16.68	105	56378	0.43 ppb		100
63)	tert-butylbenzene	17.26	119	53865	0.48 ppb		99
64)	1,2,4-trimethylbenzene	17.35	105	50078	0.41 ppb		98
65)	sec-butylbenzene	17.66	105	74050	0.43 ppb		94
66)	1,3-dichlorobenzene	17.83	146	35594	0.42 ppb		96
67)	4-isopropyltoluene	17.94	119	60666	0.42 ppb		95
68)	1,4-dichlorobenzene	18.00	146	36281	0.44 ppb		92
69)	1,2-dichlorobenzene	18.66	146	27574	0.41 ppb		95
70)	n-butylbenzene	18.69	91	45553	0.41 ppb		99
71)	1,2-dibromo-3-chloropropan	20.06	75	4177	2.08 ppb	#	89
72)	1,2,4-trichlorobenzene	21.62	180	12347	0.40 ppb		89
73)	hexachlorobutadiene	21.97	225	6910	0.42 ppb	#	44
74)	naphthalene	22.05	128	17487	0.44 ppb		100
75)	trans-1,4-Dichloro-2-buten	16.24	89	1673	3.22 ppb	#	26
76)	1,2,3-trichlorobenzene	22.51	180	9034	0.40 ppb	#	74
77)	MTBE	5.31	73	24641	0.44 ppb		90

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627104.D
Acq On : 27 Jun 2005 11:25 am
Sample : vstd0.5
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005

Vial: 4
Operator: jtf
Inst : MSD1
Multiplr: 1.00

Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78) DIPE	6.12	45	81513	0.46 ppb	80

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

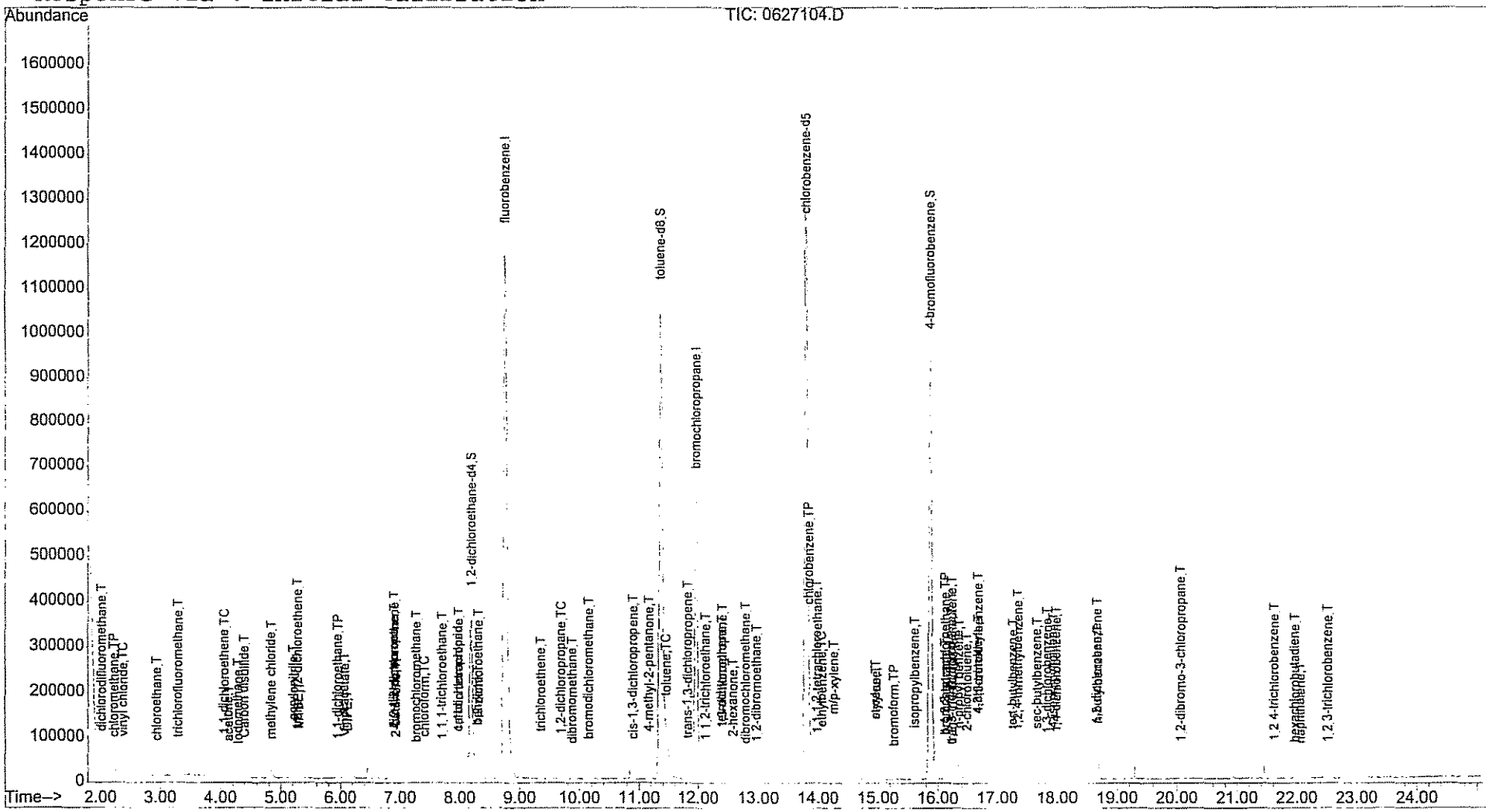
Quantitation Report

Data File : K:\1\DATA\1062705\0627104.D
Acq On : 27 Jun 2005 11:25 am
Sample : vstd0.5
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005

Vial: 4
Operator: jtf
Inst : MSD1
Multiplr: 1.00

Quant Results File: 6210D.RES

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627105.D Vial: 5
Acq On : 27 Jun 2005 11:57 am Operator: jtf
Sample : vstd2 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005 Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 16:14:16 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.76	96	2649885	10.00	ppb	-0.01
39) bromochloropropane	11.97	79	234119	10.00	ppb	-0.01
53) chlorobenzene-d5	13.80	117	1825958	10.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	8.19	65	378748	10.07	ppb	0.00
Spiked Amount 10.000			Recovery	=	100.70%	
33) toluene-d8	11.36	98	1820485	9.95	ppb	0.00
Spiked Amount 10.000			Recovery	=	99.50%	
49) 4-bromofluorobenzene	15.87	95	764760	9.79	ppb	0.00
Spiked Amount 10.000			Recovery	=	97.90%	
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.02	85	70230	1.81	ppb	96
3) chloromethane	2.23	50	186417	1.77	ppb	95
4) vinyl chloride	2.40	62	125189	1.80	ppb	92
5) bromomethane	2.77	94	29764	1.39	ppb	87
6) chloroethane	2.94	64	71255	1.80	ppb	98
7) trichlorofluoromethane	3.30	101	78745	1.80	ppb	99
8) acrolein	3.86	56	222983	23.02	ppb	99
9) 1,1-dichloroethene	4.07	96	86229	2.14	ppb	97
10) acetone	4.15	43	64501	9.72	ppb	95
11) methylene chloride	4.85	84	86945	2.17	ppb	95
12) trans-1,2-dichloroethene	5.29	96	109569	2.20	ppb	98
13) acrylonitrile	5.21	53	350421	43.67	ppb	99
14) 1,1-dichloroethane	5.96	63	202985	2.12	ppb	98
15) 2,2-dichloropropane	6.89	77	106102	2.25	ppb	97
16) cis-1,2-dichloroethene	6.89	96	109375	2.16	ppb	99
17) 2-butanone	6.93	43	98006	10.48	ppb	94
18) bromochloromethane	7.27	128	37913	2.14	ppb	88
19) chloroform	7.42	83	134010	2.15	ppb	97
20) 1,1,1-trichloroethane	7.72	97	110765	2.16	ppb	96
21) carbon tetrachloride	8.00	117	87264	2.18	ppb	95
22) 1,1-dichloropropene	7.98	75	115988	2.19	ppb	95
24) benzene	8.31	78	364180	2.16	ppb	100
25) 1,2-dichloroethane	8.32	62	74549	2.16	ppb	99
26) trichloroethene	9.36	95	100338	2.19	ppb	97
27) 1,2-dichloropropane	9.70	63	111184	2.17	ppb	98
28) dibromomethane	9.89	93	29225	2.17	ppb	92
29) bromodichloromethane	10.15	83	77549	2.13	ppb	99
30) 2-chloroethyl vinyl ether	10.68	106	7564	3.49	ppb	89
31) cis-1,3-dichloropropene	10.90	75	99119	2.21	ppb	98

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627105.D
Acq On : 27 Jun 2005 11:57 am
Sample : vstd2
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005

Vial: 5
Operator: jtf
Inst : MSD1
Multiplr: 1.00

Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 16:14:16 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	11.17	43	185733	9.98	ppb	#	91
34)	toluene	11.47	92	245493	2.16	ppb		94
35)	Iodomethane	4.30	142	24816	2.88	ppb	#	87
36)	trans-1,3-dichloropropene	11.83	75	62273	2.13	ppb		97
37)	Vinyl acetate	6.07	43	457604	5.29	ppb		100
38)	Carbon disulfide	4.40	76	294203	2.20	ppb		99
40)	1,1,2-trichloroethane	12.13	83	36203	2.17	ppb		94
41)	tetrachloroethene	12.40	166	105933	2.16	ppb		99
42)	1,3-dichloropropane	12.41	76	76161	2.12	ppb		99
43)	2-hexanone	12.58	43	117597	9.46	ppb		96
44)	dibromochloromethane	12.79	129	56481	2.20	ppb		99
45)	1,2-dibromoethane	12.97	107	41651	2.11	ppb		87
46)	chlorobenzene	13.85	112	243368	2.14	ppb		97
47)	1,1,1,2-tetrachloroethane	13.99	131	76433	2.14	ppb		99
48)	bromoform	15.27	173	24750	2.02	ppb		100
50)	bromobenzene	16.12	156	84646	2.09	ppb		98
51)	1,1,2,2-tetrachloroethane	16.13	83	41495	2.14	ppb		97
52)	1,2,3-trichloropropane	16.23	75	59790	2.02	ppb		90
54)	ethylbenzene	14.06	91	413593	2.12	ppb		98
55)	m/p-xylene	14.26	106	322613	4.27	ppb		100
56)	styrene	14.98	104	217516	2.10	ppb		100
57)	o-xylene	14.95	106	147980	2.12	ppb		99
58)	isopropylbenzene	15.62	105	387743	2.13	ppb		99
59)	n-propyl benzene	16.36	91	434878	2.11	ppb		100
60)	2-chlorotoluene	16.49	126	92026	2.41	ppb		90
61)	4-chlorotoluene	16.68	126	92520	2.12	ppb		97
62)	1,3,5-trimethylbenzene	16.68	105	278287	2.10	ppb		99
63)	tert-butylbenzene	17.26	119	254267	2.28	ppb		99
64)	1,2,4-trimethylbenzene	17.34	105	253713	2.05	ppb		96
65)	sec-butylbenzene	17.66	105	362029	2.11	ppb		99
66)	1,3-dichlorobenzene	17.83	146	176570	2.08	ppb		98
67)	4-isopropyltoluene	17.93	119	297291	2.04	ppb		99
68)	1,4-dichlorobenzene	17.99	146	170885	2.06	ppb		99
69)	1,2-dichlorobenzene	18.66	146	140054	2.11	ppb		98
70)	n-butylbenzene	18.68	91	216841	1.97	ppb		96
71)	1,2-dibromo-3-chloropropan	20.07	75	20019	9.99	ppb		97
72)	1,2,4-trichlorobenzene	21.61	180	59647	1.94	ppb		94
73)	hexachlorobutadiene	21.97	225	32901	2.01	ppb		96
74)	naphthalene	22.05	128	73508	1.87	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.23	89	15382	10.32	ppb		99
76)	1,2,3-trichlorobenzene	22.51	180	42679	1.90	ppb		96

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627105.D Vial: 5
Acq On : 27 Jun 2005 11:57 am Operator: jtf
Sample : vstd2 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005 Quant Results File: 6210D.RES

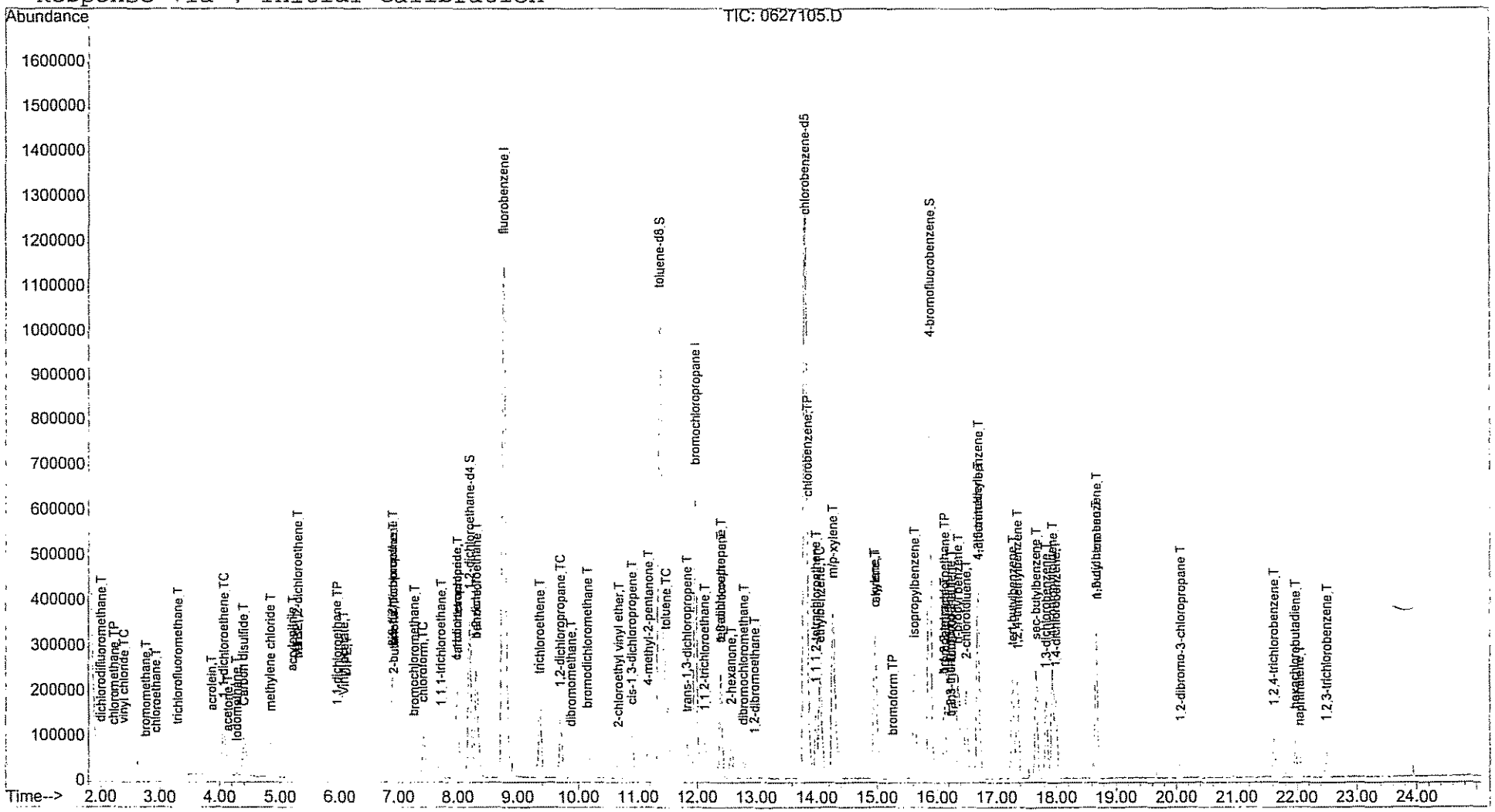
Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 16:14:16 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.30	73	119934	2.16 ppb	96
78) DIPE	6.13	45	383763	2.17 ppb	89

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

Data File : K:\1\DATA\1062705\0627105.D Vial: 5
Acq On : 27 Jun 2005 11:57 am Operator: jtf
Sample : vstd2 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005 Quant Results File: 6210D.RES

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627106.D
Acq On : 27 Jun 2005 12:29 pm
Sample : vstd5
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005

Vial: 6
Operator: jtf
Inst : MSD1
Multiplr: 1.00
Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 16:14:16 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.77	96	2671566	10.00	ppb	0.00
39) bromochloropropane	11.98	79	237291	10.00	ppb	0.00
53) chlorobenzene-d5	13.80	117	1844147	10.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	8.20	65	374354	9.87	ppb	0.00
Spiked Amount 10.000			Recovery	=	98.70%	
33) toluene-d8	11.37	98	1827450	9.90	ppb	0.00
Spiked Amount 10.000			Recovery	=	99.00%	
49) 4-bromofluorobenzene	15.87	95	786516	9.93	ppb	0.00
Spiked Amount 10.000			Recovery	=	99.30%	
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.02	85	185482	4.75	ppb	99
3) chloromethane	2.23	50	462995	5.17	ppb	96
4) vinyl chloride	2.38	62	330156	4.72	ppb	97
5) bromomethane	2.79	94	94097	4.83	ppb	89
6) chloroethane	2.94	64	184605	4.62	ppb	96
7) trichlorofluoromethane	3.31	101	215879	4.88	ppb	92
8) acrolein	3.88	56	623800	113.58	ppb	99
9) 1,1-dichloroethene	4.07	96	218450	5.37	ppb	98
10) acetone	4.14	43	167792	25.09	ppb	99
11) methylene chloride	4.84	84	211427	5.24	ppb	96
12) trans-1,2-dichloroethene	5.29	96	267278	5.32	ppb	96
13) acrylonitrile	5.22	53	953410	117.86	ppb	99
14) 1,1-dichloroethane	5.96	63	509677	5.28	ppb	99
15) 2,2-dichloropropane	6.90	77	257638	5.42	ppb	98
16) cis-1,2-dichloroethene	6.90	96	268954	5.27	ppb	99
17) 2-butanone	6.93	43	248912	26.39	ppb	98
18) bromochloromethane	7.27	128	97092	5.43	ppb	97
19) chloroform	7.42	83	332168	5.28	ppb	97
20) 1,1,1-trichloroethane	7.72	97	269225	5.21	ppb	96
21) carbon tetrachloride	7.99	117	212112	5.25	ppb	97
22) 1,1-dichloropropene	7.98	75	280272	5.26	ppb	98
24) benzene	8.31	78	894758	5.27	ppb	97
25) 1,2-dichloroethane	8.33	62	185902	5.33	ppb	97
26) trichloroethene	9.36	95	246061	5.33	ppb	98
27) 1,2-dichloropropane	9.70	63	272799	5.27	ppb	98
28) dibromomethane	9.89	93	74793	5.50	ppb	99
29) bromodichloromethane	10.16	83	193799	5.29	ppb	98
30) 2-chloroethyl vinyl ether	10.68	106	30695	14.03	ppb	96
31) cis-1,3-dichloropropene	10.90	75	248011	5.48	ppb	99

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627106.D
Acq On : 27 Jun 2005 12:29 pm
Sample : vstd5
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005

Vial: 6
Operator: jtf
Inst : MSD1
Multiplr: 1.00
Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 16:14:16 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32) 4-methyl-2-pentanone	11.17	43	477519	25.46 ppb	99
34) toluene	11.47	92	596571	5.21 ppb	98
35) Iodomethane	4.28	142	88543	4.01 ppb	95
36) trans-1,3-dichloropropene	11.83	75	157427	5.34 ppb	97
37) Vinyl acetate	6.06	43	1136527	13.03 ppb	99
38) Carbon disulfide	4.40	76	708670	5.26 ppb	100
40) 1,1,2-trichloroethane	12.13	83	93136	5.52 ppb	92
41) tetrachloroethene	12.40	166	256333	5.16 ppb	98
42) 1,3-dichloropropane	12.41	76	195094	5.36 ppb	100
43) 2-hexanone	12.58	43	316544	25.12 ppb	98
44) dibromochloromethane	12.79	129	138639	5.33 ppb	95
45) 1,2-dibromoethane	12.97	107	106673	5.34 ppb	99
46) chlorobenzene	13.85	112	604994	5.25 ppb	98
47) 1,1,1,2-tetrachloroethane	13.99	131	191136	5.28 ppb	98
48) bromoform	15.27	173	67263	5.40 ppb	92
50) bromobenzene	16.13	156	218148	5.31 ppb	98
51) 1,1,2,2-tetrachloroethane	16.14	83	104960	5.33 ppb	100
52) 1,2,3-trichloropropane	16.23	75	158687	5.28 ppb	98
54) ethylbenzene	14.06	91	1038736	5.27 ppb	99
55) m/p-xylene	14.27	106	811248	10.64 ppb	96
56) styrene	14.98	104	554459	5.30 ppb	100
57) o-xylene	14.96	106	379440	5.38 ppb	100
58) isopropylbenzene	15.62	105	956191	5.20 ppb	99
59) n-propyl benzene	16.35	91	1082981	5.20 ppb	99
60) 2-chlorotoluene	16.48	126	225159	5.83 ppb	94
61) 4-chlorotoluene	16.69	126	234646	5.31 ppb	99
62) 1,3,5-trimethylbenzene	16.68	105	703926	5.26 ppb	99
63) tert-butylbenzene	17.26	119	641979	5.69 ppb	98
64) 1,2,4-trimethylbenzene	17.35	105	650712	5.22 ppb	97
65) sec-butylbenzene	17.66	105	922130	5.32 ppb	99
66) 1,3-dichlorobenzene	17.83	146	455550	5.31 ppb	99
67) 4-isopropyltoluene	17.94	119	765391	5.21 ppb	98
68) 1,4-dichlorobenzene	18.00	146	442524	5.29 ppb	98
69) 1,2-dichlorobenzene	18.67	146	361438	5.38 ppb	100
70) n-butylbenzene	18.68	91	577176	5.18 ppb	99
71) 1,2-dibromo-3-chloropropan	20.07	75	53096	26.24 ppb	98
72) 1,2,4-trichlorobenzene	21.62	180	162982	5.26 ppb	98
73) hexachlorobutadiene	21.96	225	85412	5.15 ppb	94
74) naphthalene	22.04	128	203630	5.13 ppb	100
75) trans-1,4-Dichloro-2-buten	16.24	89	45160	25.49 ppb	95
76) 1,2,3-trichlorobenzene	22.50	180	119611	5.26 ppb	94

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627106.D
Acq On : 27 Jun 2005 12:29 pm
Sample : vstd5
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005

Vial: 6
Operator: jtf
Inst : MSD1
Multiplr: 1.00

Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 16:14:16 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.31	73	304009	5.41 ppb	96
78) DIPE	6.13	45	947973	5.30 ppb	93

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

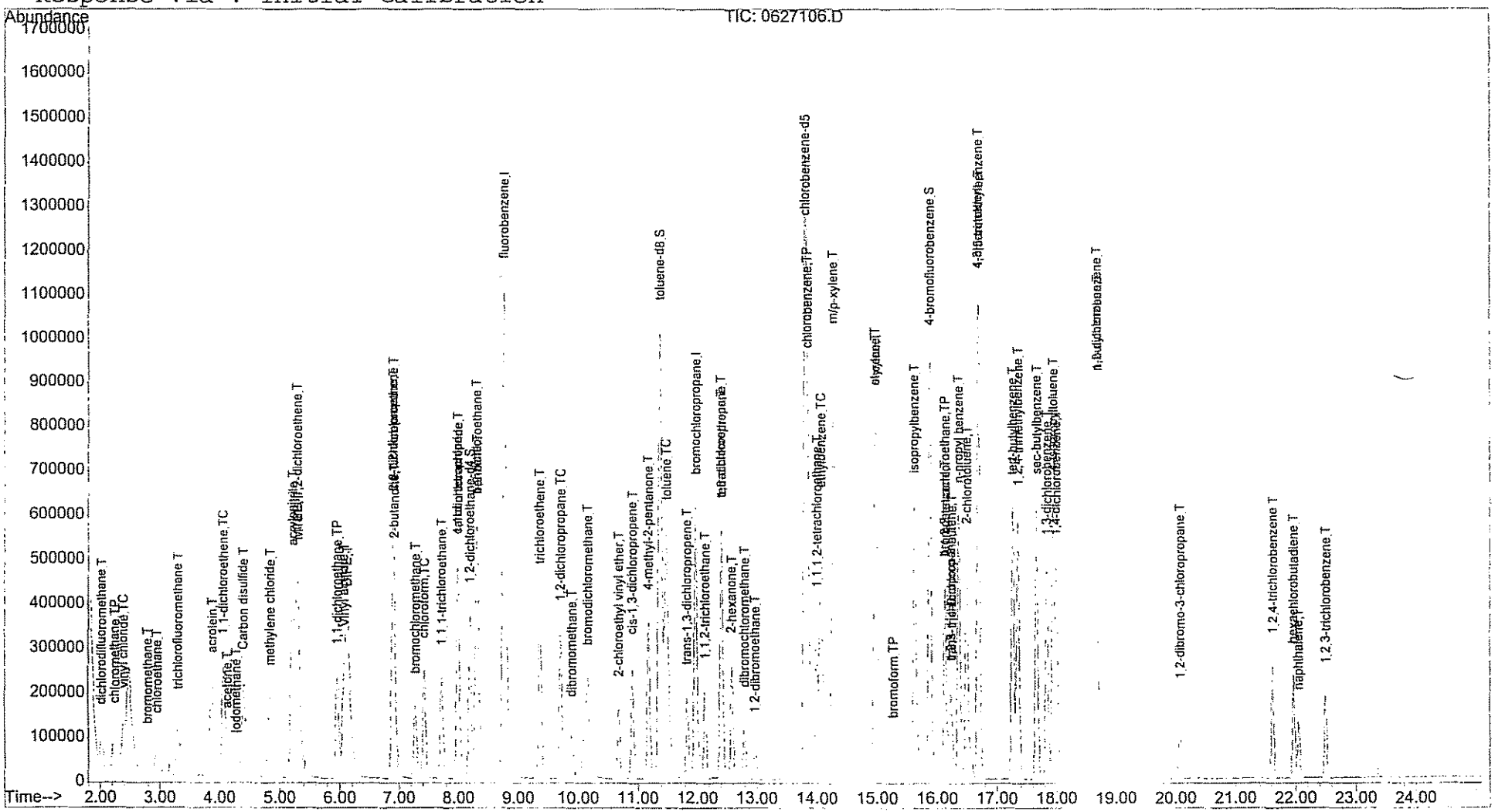
Quantitation Report

Data File : K:\1\DATA\1062705\0627106.D
Acq On : 27 Jun 2005 12:29 pm
Sample : vstd5
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005

Vial: 6
Operator: jtf
Inst : MSD1
Multiplr: 1.00

Quant Results File: 6210D.RES

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627107.D Vial: 7
Acq On : 27 Jun 2005 1:01 pm Operator: jtf
Sample : vstd10 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005 Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 16:14:16 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.76	96	2664104	10.00	ppb	-0.01
39) bromochloropropane	11.97	79	236638	10.00	ppb	-0.01
53) chlorobenzene-d5	13.80	117	1854498	10.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	8.19	65	379308	10.03	ppb	0.00
Spiked Amount 10.000			Recovery	=	100.30%	
33) toluene-d8	11.36	98	1852309	10.07	ppb	0.00
Spiked Amount 10.000			Recovery	=	100.70%	
49) 4-bromofluorobenzene	15.87	95	790414	10.01	ppb	0.00
Spiked Amount 10.000			Recovery	=	100.10%	
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.01	85	405185	10.41	ppb	100
3) chloromethane	2.25	50	910158	10.73	ppb	99
4) vinyl chloride	2.39	62	704640	10.10	ppb	98
5) bromomethane	2.80	94	218825	11.55	ppb	99
6) chloroethane	2.95	64	391108	9.81	ppb	97
7) trichlorofluoromethane	3.30	101	454798	10.32	ppb	98
8) acrolein	3.87	56	1299749	267.82	ppb	99
9) 1,1-dichloroethene	4.06	96	398832	9.84	ppb	98
10) acetone	4.13	43	311126	46.65	ppb	98
11) methylene chloride	4.84	84	395121	9.83	ppb	99
12) trans-1,2-dichloroethene	5.29	96	503517	10.06	ppb	97
13) acrylonitrile	5.21	53	2053810	254.61	ppb	99
14) 1,1-dichloroethane	5.96	63	948564	9.86	ppb	99
15) 2,2-dichloropropane	6.90	77	469818	9.91	ppb	98
16) cis-1,2-dichloroethene	6.90	96	506523	9.95	ppb	99
17) 2-butanone	6.92	43	457826	48.67	ppb	100
18) bromochloromethane	7.27	128	184444	10.35	ppb	97
19) chloroform	7.42	83	615918	9.82	ppb	97
20) 1,1,1-trichloroethane	7.72	97	520572	10.11	ppb	98
21) carbon tetrachloride	7.99	117	407371	10.12	ppb	100
22) 1,1-dichloropropene	7.99	75	536991	10.10	ppb	99
24) benzene	8.31	78	1685836	9.96	ppb	97
25) 1,2-dichloroethane	8.32	62	348131	10.01	ppb	97
26) trichloroethene	9.36	95	471323	10.23	ppb	98
27) 1,2-dichloropropane	9.71	63	495540	9.61	ppb	96
28) dibromomethane	9.89	93	136298	10.04	ppb	97
29) bromodichloromethane	10.16	83	360121	9.85	ppb	100
30) 2-chloroethyl vinyl ether	10.67	106	47468	21.76	ppb	96
31) cis-1,3-dichloropropene	10.91	75	448699	9.94	ppb	96

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627107.D
Acq On : 27 Jun 2005 1:01 pm
Sample : vstd10
Misc :
MS Integration Params: rteint.p)
Quant Time: Jun 27 16:15 2005

Vial: 7
Operator: jtf
Inst : MSD1
Multiplr: 1.00
Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 16:14:16 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	11.17	43	890340	47.60	ppb		98
34)	toluene	11.47	92	1138290	9.97	ppb		96
35)	Iodomethane	4.31	142	327236	8.28	ppb		97
36)	trans-1,3-dichloropropene	11.83	75	297859	10.13	ppb		98
37)	Vinyl acetate	6.07	43	2053344	23.60	ppb		99
38)	Carbon disulfide	4.41	76	1350774	10.06	ppb		100
40)	1,1,2-trichloroethane	12.13	83	167275	9.94	ppb		99
41)	tetrachloroethene	12.40	166	492500	9.95	ppb		98
42)	1,3-dichloropropane	12.41	76	357127	9.84	ppb		100
43)	2-hexanone	12.58	43	596493	47.46	ppb		100
44)	dibromochloromethane	12.79	129	258961	9.98	ppb		96
45)	1,2-dibromoethane	12.98	107	200557	10.06	ppb		99
46)	chlorobenzene	13.85	112	1129515	9.82	ppb		99
47)	1,1,1,2-tetrachloroethane	13.99	131	358386	9.93	ppb		100
48)	bromoform	15.27	173	126629	10.20	ppb		98
50)	bromobenzene	16.12	156	416764	10.17	ppb		99
51)	1,1,2,2-tetrachloroethane	16.13	83	196181	9.99	ppb		97
52)	1,2,3-trichloropropane	16.23	75	298000	9.95	ppb		100
54)	ethylbenzene	14.06	91	1991897	10.04	ppb		100
55)	m/p-xylene	14.27	106	1549143	20.20	ppb		98
56)	styrene	14.98	104	1056593	10.04	ppb		100
57)	o-xylene	14.96	106	716378	10.10	ppb		99
58)	isopropylbenzene	15.62	105	1843981	9.96	ppb		98
59)	n-propyl benzene	16.36	91	2111016	10.07	ppb		100
60)	2-chlorotoluene	16.49	126	433617	11.16	ppb		91
61)	4-chlorotoluene	16.69	126	447748	10.09	ppb		99
62)	1,3,5-trimethylbenzene	16.69	105	1354290	10.07	ppb		100
63)	tert-butylbenzene	17.27	119	1235898	10.89	ppb		99
64)	1,2,4-trimethylbenzene	17.35	105	1273427	10.15	ppb		98
65)	sec-butylbenzene	17.66	105	1772534	10.18	ppb		97
66)	1,3-dichlorobenzene	17.84	146	868871	10.08	ppb		99
67)	4-isopropyltoluene	17.93	119	1469938	9.96	ppb		97
68)	1,4-dichlorobenzene	17.99	146	838685	9.97	ppb		99
69)	1,2-dichlorobenzene	18.66	146	680790	10.08	ppb		99
70)	n-butylbenzene	18.67	91	1146328	10.24	ppb		99
71)	1,2-dibromo-3-chloropropan	20.07	75	103425	50.83	ppb	#	66
72)	1,2,4-trichlorobenzene	21.61	180	316330	10.15	ppb		98
73)	hexachlorobutadiene	21.97	225	169162	10.15	ppb		99
74)	naphthalene	22.05	128	403147	10.10	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.24	89	86704	46.52	ppb		95
76)	1,2,3-trichlorobenzene	22.50	180	234619	10.26	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627107.D Vial: 7
Acq On : 27 Jun 2005 1:01 pm Operator: jtf
Sample : vstd10 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005 Quant Results File: 6210D.RES

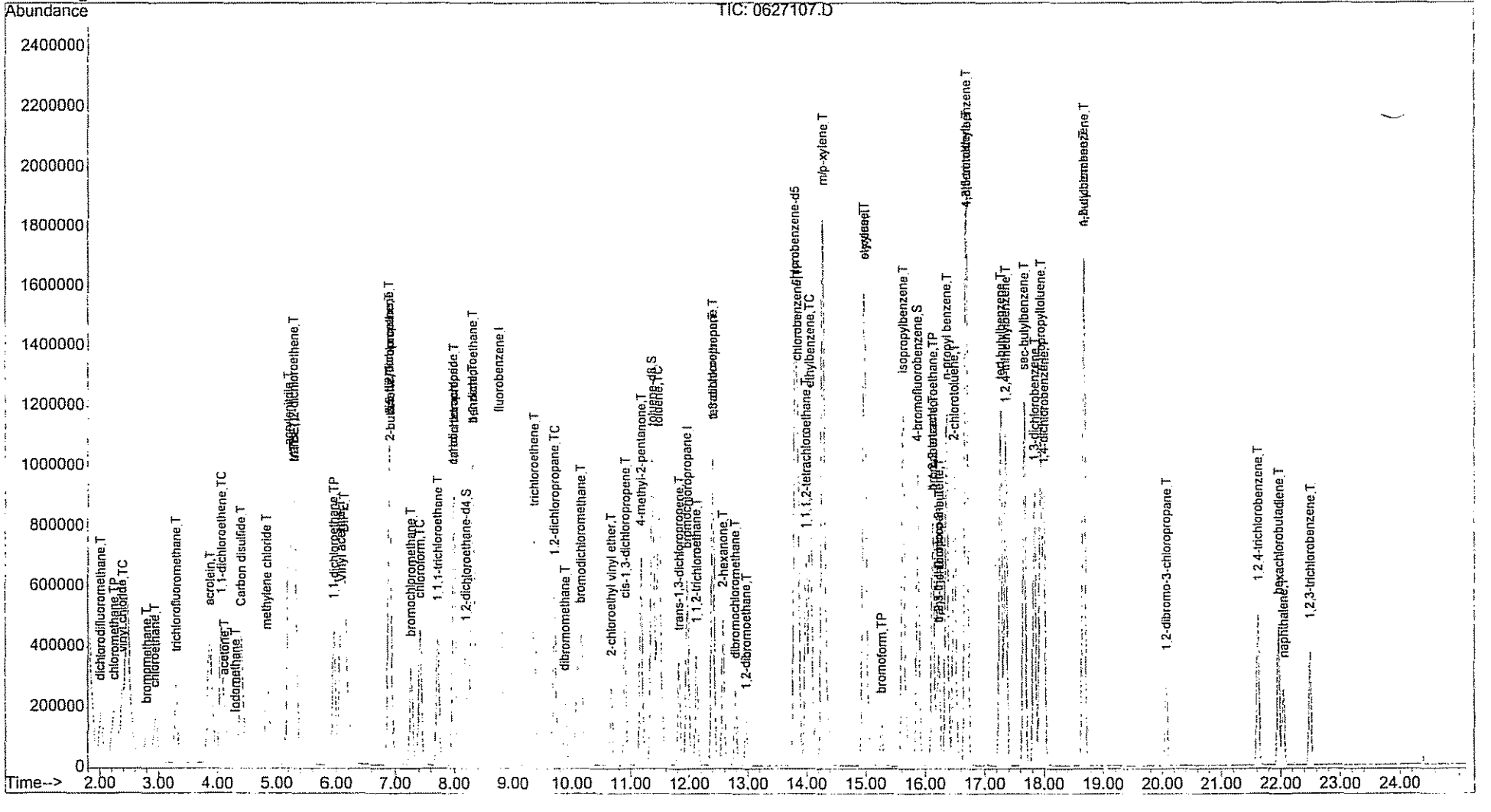
Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 16:14:16 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.31	73	555385	9.84 ppb	99
78) DIPE	6.13	45	1770834	9.84 ppb	91

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

Data File : K:\1\DATA\1062705\0627107.D Vial: 7
Acq On : 27 Jun 2005 1:01 pm Operator: jtf
Sample : vstd10 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005 Quant Results File: 6210D.RES

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627108.D Vial: 8
Acq On : 27 Jun 2005 1:33 pm Operator: jtf
Sample : vstd20 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005 Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 16:14:16 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.77	96	2675713	10.00	ppb	0.00
39) bromochloropropane	11.98	79	238164	10.00	ppb	0.00
53) chlorobenzene-d5	13.80	117	1876619	10.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	8.20	65	374690	9.87	ppb	0.00
Spiked Amount 10.000			Recovery = 98.70%			
33) toluene-d8	11.37	98	1851531	10.02	ppb	0.00
Spiked Amount 10.000			Recovery = 100.20%			
49) 4-bromofluorobenzene	15.87	95	804516	10.12	ppb	0.00
Spiked Amount 10.000			Recovery = 101.20%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.02	85	799933	20.46	ppb	98
3) chloromethane	2.26	50	1634424	19.62	ppb	100
4) vinyl chloride	2.38	62	1402904	20.02	ppb	97
5) bromomethane	2.79	94	475204	25.24	ppb	99
6) chloroethane	2.94	64	750994	18.76	ppb	100
7) trichlorofluoromethane	3.30	101	909963	20.55	ppb	98
8) acrolein	3.88	56	2648011	572.06	ppb	98
9) 1,1-dichloroethene	4.07	96	839778	20.63	ppb	97
10) acetone	4.14	43	582793	87.00	ppb	96
11) methylene chloride	4.83	84	818501	20.27	ppb	95
12) trans-1,2-dichloroethene	5.29	96	1057569	21.04	ppb	99
13) acrylonitrile	5.22	53	4150252	512.27	ppb	100
14) 1,1-dichloroethane	5.96	63	1982334	20.52	ppb	100
15) 2,2-dichloropropane	6.91	77	951304	19.97	ppb	99
16) cis-1,2-dichloroethene	6.90	96	1053542	20.61	ppb	99
17) 2-butanone	6.93	43	960784	101.70	ppb	100
18) bromochloromethane	7.27	128	383222	21.41	ppb	95
19) chloroform	7.42	83	1294496	20.54	ppb	99
20) 1,1,1-trichloroethane	7.71	97	1067769	20.64	ppb	97
21) carbon tetrachloride	7.99	117	835372	20.65	ppb	99
22) 1,1-dichloropropene	7.99	75	1109647	20.78	ppb	98
24) benzene	8.31	78	3473748	20.43	ppb	99
25) 1,2-dichloroethane	8.32	62	729638	20.90	ppb	100
26) trichloroethene	9.37	95	954866	20.64	ppb	98
27) 1,2-dichloropropane	9.70	63	1033917	19.96	ppb	100
28) dibromomethane	9.88	93	295612	21.69	ppb	93
29) bromodichloromethane	10.16	83	752934	20.50	ppb	98
30) 2-chloroethyl vinyl ether	10.68	106	100677	45.95	ppb	99
31) cis-1,3-dichloropropene	10.90	75	933472	20.58	ppb	98

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627108.D
Acq On : 27 Jun 2005 1:33 pm
Sample : vstd20
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005

Vial: 8
Operator: jtf
Inst : MSD1
Multiplr: 1.00

Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 16:14:16 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	11.17	43	1914561	101.92	ppb		98
34)	toluene	11.47	92	2362927	20.62	ppb		99
35)	Iodomethane	4.29	142	939504	19.14	ppb		98
36)	trans-1,3-dichloropropene	11.84	75	617564	20.90	ppb		98
37)	Vinyl acetate	6.07	43	4397134	50.32	ppb		99
38)	Carbon disulfide	4.41	76	2770525	20.55	ppb		99
40)	1,1,2-trichloroethane	12.13	83	355523	20.98	ppb		97
41)	tetrachloroethene	12.40	166	1020079	20.47	ppb		99
42)	1,3-dichloropropane	12.41	76	753021	20.62	ppb		98
43)	2-hexanone	12.58	43	1306461	103.28	ppb		99
44)	dibromochloromethane	12.79	129	543743	20.83	ppb		100
45)	1,2-dibromoethane	12.98	107	423252	21.10	ppb		99
46)	chlorobenzene	13.84	112	2386427	20.62	ppb		98
47)	1,1,1,2-tetrachloroethane	13.99	131	747206	20.57	ppb		98
48)	bromoform	15.27	173	267943	21.45	ppb		98
50)	bromobenzene	16.13	156	877748	21.28	ppb		99
51)	1,1,2,2-tetrachloroethane	16.14	83	421372	21.32	ppb		100
52)	1,2,3-trichloropropane	16.24	75	645426	21.41	ppb		97
54)	ethylbenzene	14.06	91	4155395	20.70	ppb		99
55)	m/p-xylene	14.28	106	3246247	41.82	ppb		97
56)	styrene	14.99	104	2272115	21.35	ppb		100
57)	o-xylene	14.96	106	1507844	21.00	ppb		99
58)	isopropylbenzene	15.63	105	3923628	20.95	ppb		100
59)	n-propyl benzene	16.35	91	4449946	20.98	ppb		99
60)	2-chlorotoluene	16.49	126	910804	23.17	ppb		95
61)	4-chlorotoluene	16.69	126	949931	21.14	ppb		100
62)	1,3,5-trimethylbenzene	16.68	105	2877274	21.15	ppb		99
63)	tert-butylbenzene	17.26	119	2607315	22.71	ppb		99
64)	1,2,4-trimethylbenzene	17.35	105	2770960	21.83	ppb		99
65)	sec-butylbenzene	17.66	105	3826157	21.71	ppb		99
66)	1,3-dichlorobenzene	17.83	146	1857023	21.29	ppb		99
67)	4-isopropyltoluene	17.94	119	3235012	21.65	ppb		98
68)	1,4-dichlorobenzene	18.00	146	1804179	21.18	ppb		100
69)	1,2-dichlorobenzene	18.66	146	1453866	21.27	ppb		99
70)	n-butylbenzene	18.68	91	2483333	21.92	ppb		100
71)	1,2-dibromo-3-chloropropan	20.06	75	226152	109.85	ppb	#	84
72)	1,2,4-trichlorobenzene	21.62	180	692424	21.96	ppb		100
73)	hexachlorobutadiene	21.97	225	364636	21.62	ppb		99
74)	naphthalene	22.05	128	885844	21.93	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.24	89	201697	103.87	ppb		100
76)	1,2,3-trichlorobenzene	22.50	180	516195	22.32	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627108.D Vial: 8
Acq On : 27 Jun 2005 1:33 pm Operator: jtf
Sample : vstd20 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005 Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 16:14:16 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77) MTBE	5.31	73	1177616	20.61	ppb	97
78) DIPE	6.13	45	3684428	20.23	ppb	92

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

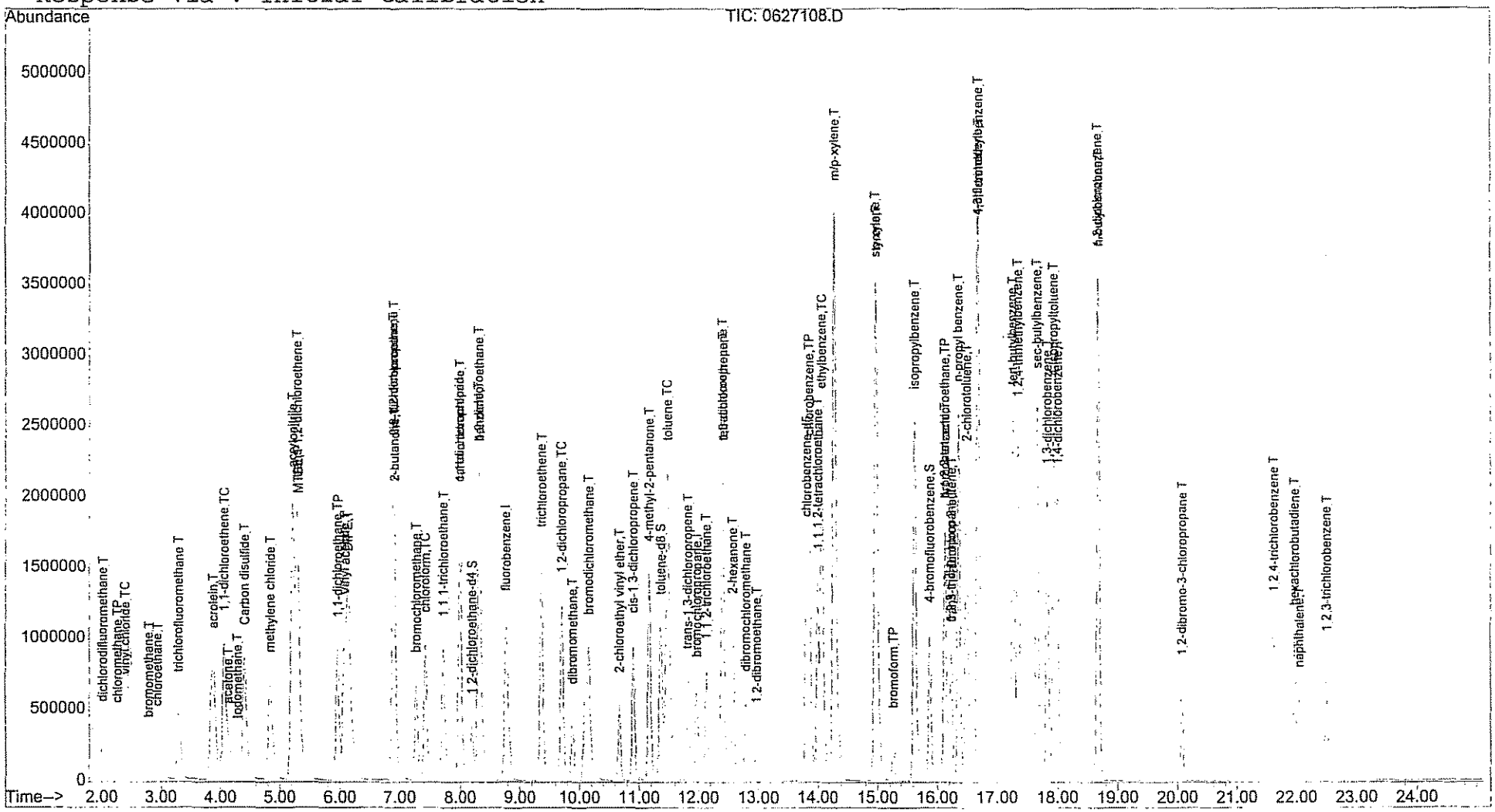
Quantitation Report

Data File : K:\1\DATA\1062705\0627108.D
Acq On : 27 Jun 2005 1:33 pm
Sample : vstd20
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 16:15 2005

Vial: 8
Operator: jtf
Inst : MSD1
Multiplr: 1.00

Quant Results File: 6210D.RES

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627109.D
Acq On : 27 Jun 2005 2:05 pm
Sample : vstd50
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 14:58 2005

Vial: 9
Operator: jtf
Inst : MSD1
Multiplr: 1.00
Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.78	96	2735658	10.00	ppb	0.00
39) bromochloropropane	11.98	79	237632	10.00	ppb	0.00
53) chlorobenzene-d5	13.80	117	1889956	10.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	8.20	65	386553	9.95	ppb	0.00
Spiked Amount 10.000			Recovery = 99.50%			
33) toluene-d8	11.36	98	1901657	10.06	ppb	0.00
Spiked Amount 10.000			Recovery = 100.60%			
49) 4-bromofluorobenzene	15.87	95	808826	10.20	ppb	0.00
Spiked Amount 10.000			Recovery = 102.00%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.02	85	1741556	43.57	ppb	100
3) chloromethane	2.27	50	3327537	39.63	ppb	100
4) vinyl chloride	2.38	62	3093086	43.16	ppb	100
5) bromomethane	2.78	94	953439	49.74	ppb	100
6) chloroethane	2.93	64	1368959	33.45	ppb	100
7) trichlorofluoromethane	3.30	101	1920686	42.42	ppb	100
8) acrolein	3.88	56	5630897	1220.05	ppb	100
9) 1,1-dichloroethene	4.06	96	1949689	46.84	ppb	100
10) acetone	4.14	43	1465196	213.94	ppb	100
11) methylene chloride	4.84	84	1904195	46.12	ppb	100
12) trans-1,2-dichloroethene	5.29	96	2434415	47.36	ppb	100
13) acrylonitrile	5.21	53	9102129	1098.87	ppb	100
14) 1,1-dichloroethane	5.96	63	4669614	47.29	ppb	100
15) 2,2-dichloropropane	6.91	77	2164228	44.43	ppb	100
16) cis-1,2-dichloroethene	6.90	96	2452305	46.91	ppb	100
17) 2-butanone	6.93	43	2223743	230.23	ppb	100
18) bromochloromethane	7.27	128	891105	48.70	ppb	100
19) chloroform	7.42	83	3034301	47.09	ppb	100
20) 1,1,1-trichloroethane	7.71	97	2474196	46.78	ppb	100
21) carbon tetrachloride	7.99	117	1976554	47.80	ppb	100
22) 1,1-dichloropropene	8.00	75	2548323	46.68	ppb	100
24) benzene	8.32	78	8152796	46.90	ppb	100
25) 1,2-dichloroethane	8.32	62	1681519	47.11	ppb	100
26) trichloroethene	9.37	95	2187395	46.24	ppb	100
27) 1,2-dichloropropane	9.71	63	2404123	45.39	ppb	100
28) dibromomethane	9.89	93	680438	48.83	ppb	100
29) bromodichloromethane	10.16	83	1744164	46.46	ppb	100
30) 2-chloroethyl vinyl ether	10.68	106	389441	129.13	ppb	100
31) cis-1,3-dichloropropene	10.91	75	2200375	47.45	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627109.D Vial: 9
Acq On : 27 Jun 2005 2:05 pm Operator: jtf
Sample : vstd50 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 27 14:58 2005 Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32)	4-methyl-2-pentanone	11.18	43	4553177	237.08 ppb	100
34)	toluene	11.47	92	5590105	47.70 ppb	100
35)	Iodomethane	4.29	142	2775406	50.69 ppb	100
36)	trans-1,3-dichloropropene	11.84	75	1458151	48.27 ppb	100
37)	Vinyl acetate	6.07	43	9802536	109.73 ppb	100
38)	Carbon disulfide	4.41	76	6383494	46.30 ppb	100
40)	1,1,2-trichloroethane	12.13	83	820010	48.51 ppb	100
41)	tetrachloroethene	12.41	166	2391024	48.09 ppb	100
42)	1,3-dichloropropane	12.42	76	1709011	46.90 ppb	100
43)	2-hexanone	12.58	43	3111892	246.56 ppb	100
44)	dibromochloromethane	12.79	129	1283277	49.27 ppb	100
45)	1,2-dibromoethane	12.98	107	987374	49.34 ppb	100
46)	chlorobenzene	13.85	112	5618914	48.65 ppb	100
47)	1,1,1,2-tetrachloroethane	13.99	131	1747374	48.20 ppb	100
48)	bromoform	15.27	173	630087	50.55 ppb	100
50)	bromobenzene	16.13	156	2028116	49.28 ppb	100
51)	1,1,2,2-tetrachloroethane	16.14	83	953765	48.37 ppb	100
52)	1,2,3-trichloropropane	16.24	75	1552612	51.62 ppb	100
54)	ethylbenzene	14.06	91	9899674	48.97 ppb	100
55)	m/p-xylene	14.28	106	7548179	96.56 ppb	100
56)	styrene	14.99	104	5306934	49.51 ppb	100
57)	o-xylene	14.96	106	3506586	48.49 ppb	100
58)	isopropylbenzene	15.63	105	9258992	49.09 ppb	100
59)	n-propyl benzene	16.36	91	10678602	49.99 ppb	100
60)	2-chlorotoluene	16.49	126	2133166	53.88 ppb	97
61)	4-chlorotoluene	16.69	126	2198267	48.59 ppb	100
62)	1,3,5-trimethylbenzene	16.69	105	6718163	49.02 ppb	100
63)	tert-butylbenzene	17.27	119	6122546	52.96 ppb	100
64)	1,2,4-trimethylbenzene	17.35	105	6473593	50.64 ppb	100
65)	sec-butylbenzene	17.66	105	9143977	51.51 ppb	100
66)	1,3-dichlorobenzene	17.83	146	4331507	49.31 ppb	100
67)	4-isopropyltoluene	17.94	119	7692321	51.12 ppb	100
68)	1,4-dichlorobenzene	18.00	146	4204006	49.01 ppb	100
69)	1,2-dichlorobenzene	18.67	146	3342516	48.55 ppb	100
70)	n-butylbenzene	18.69	91	5902932	51.73 ppb	100
71)	1,2-dibromo-3-chloropropan	20.07	75	519413	250.51 ppb	100
72)	1,2,4-trichlorobenzene	21.62	180	1678004	52.85 ppb	100
73)	hexachlorobutadiene	21.97	225	873085	51.41 ppb	100
74)	naphthalene	22.05	128	2119187	52.10 ppb	100
75)	trans-1,4-Dichloro-2-buten	16.24	89	503369	253.91 ppb	100
76)	1,2,3-trichlorobenzene	22.50	180	1228456	52.73 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1062705\0627109.D
Acq On : 27 Jun 2005 2:05 pm
Sample : vstd50
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 14:58 2005

Vial: 9
Operator: jtf
Inst : MSD1
Multiplr: 1.00
Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1062705\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

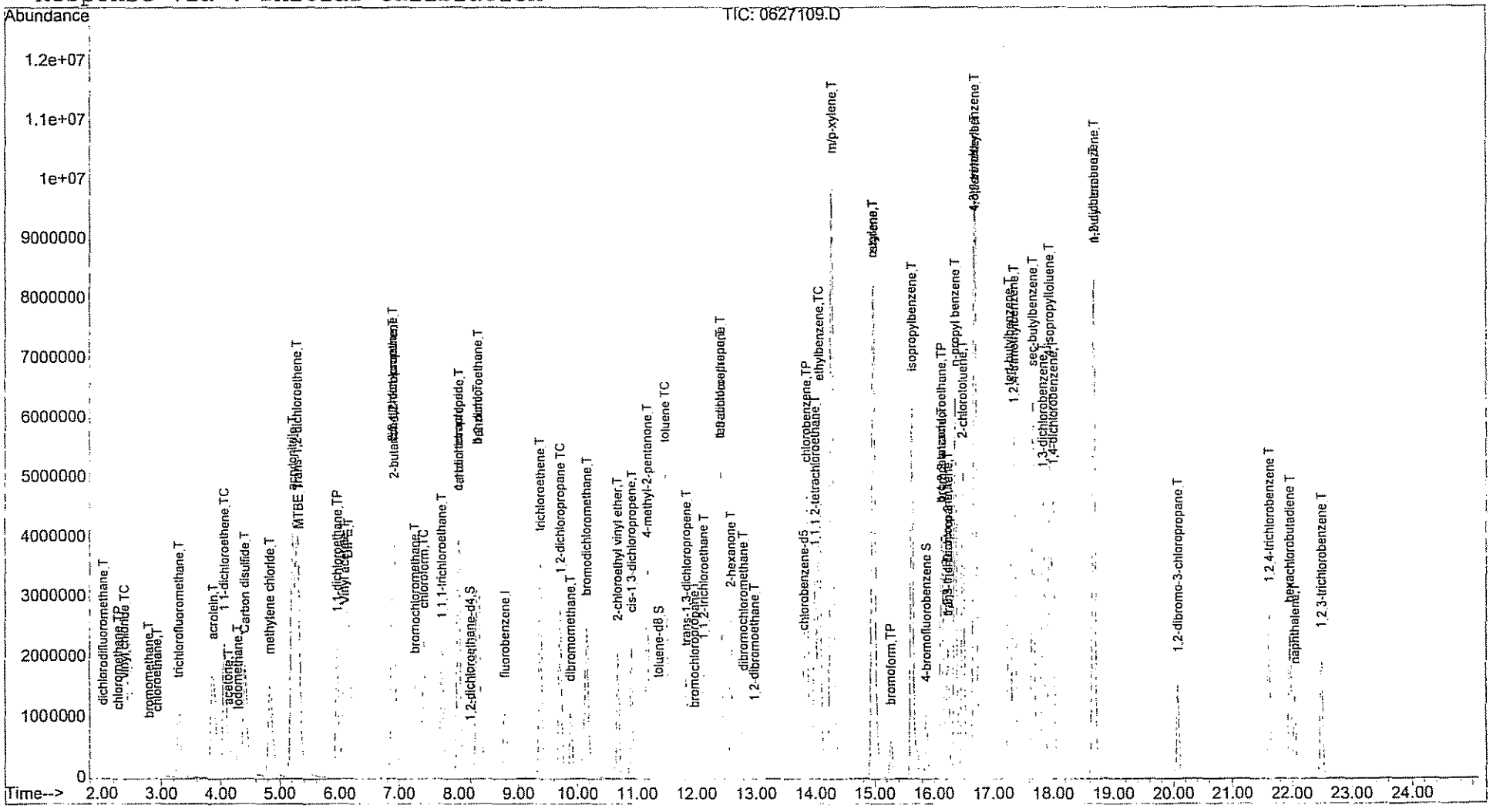
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.32	73	2700071	46.92 ppb	100
78) DIPE	6.14	45	8652551	47.17 ppb	100

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

Data File : K:\1\DATA\1062705\0627109.D
Acq On : 27 Jun 2005 2:05 pm
Sample : vstd50
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 27 14:58 2005

Vial: 9
Operator: jtf
Inst : MSD1
Multiplr: 1.00
Quant Results File: 6210D.RES

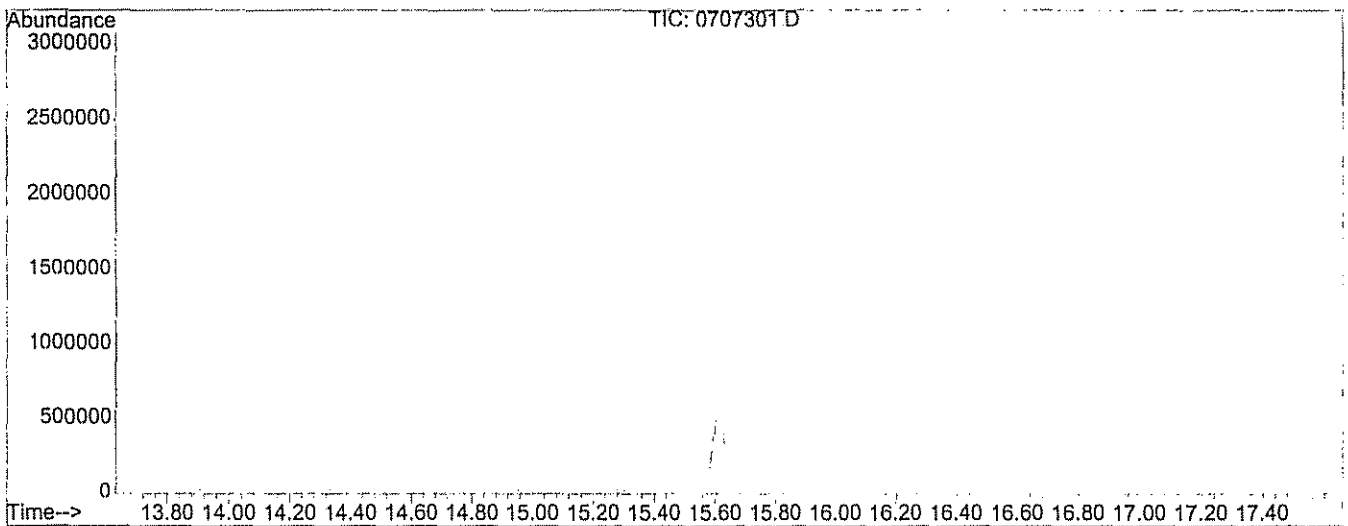
Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration

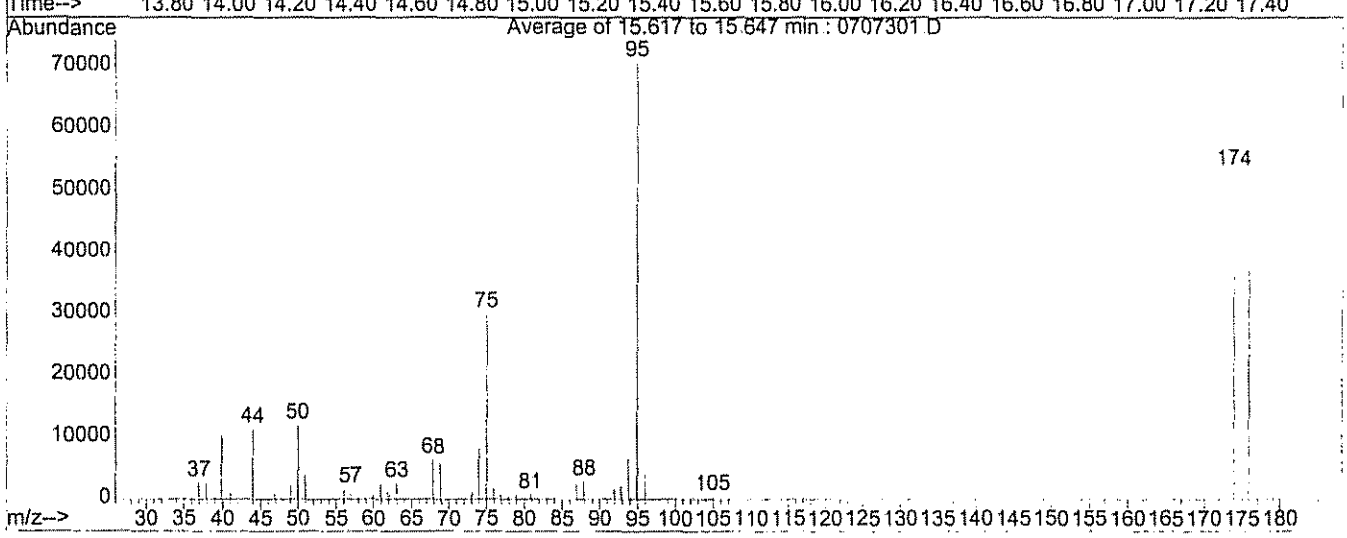


BFB

Data File : G:\1\DATA\3070705\0707301.D
Acq On : 7 Jul 2005 4:55 am
Sample : 50 ng bfb
Misc :
MS Integration Params: rteint.p
Method : G:\1\DATA\3070705\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX

Vial: 1
Operator: RNP
Inst : MSD3
Multiplr: 1.00





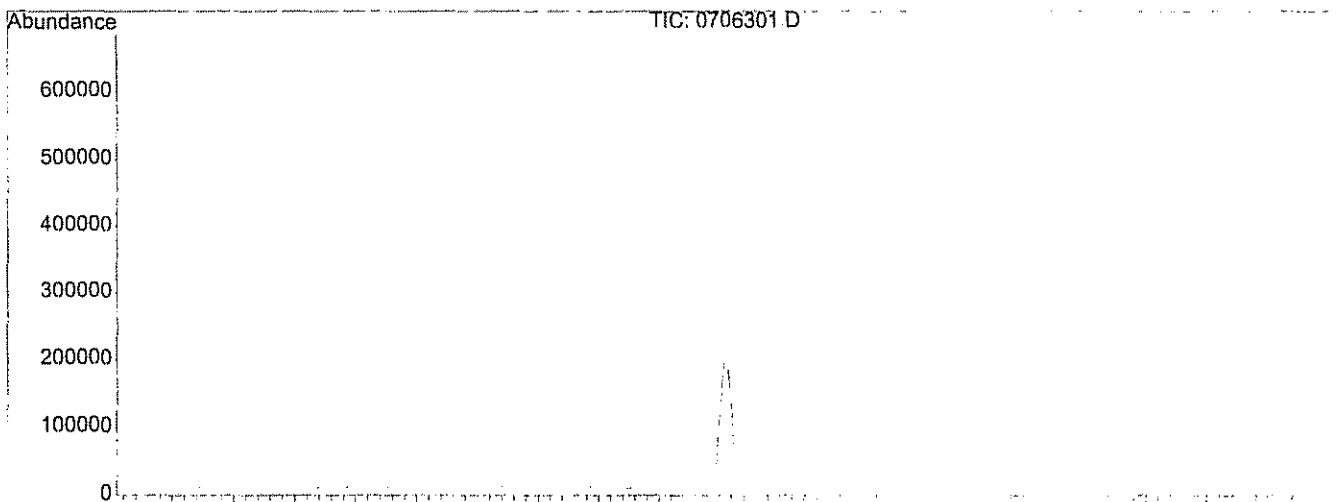
Spectrum Information: Average of 15.617 to 15.647 min.

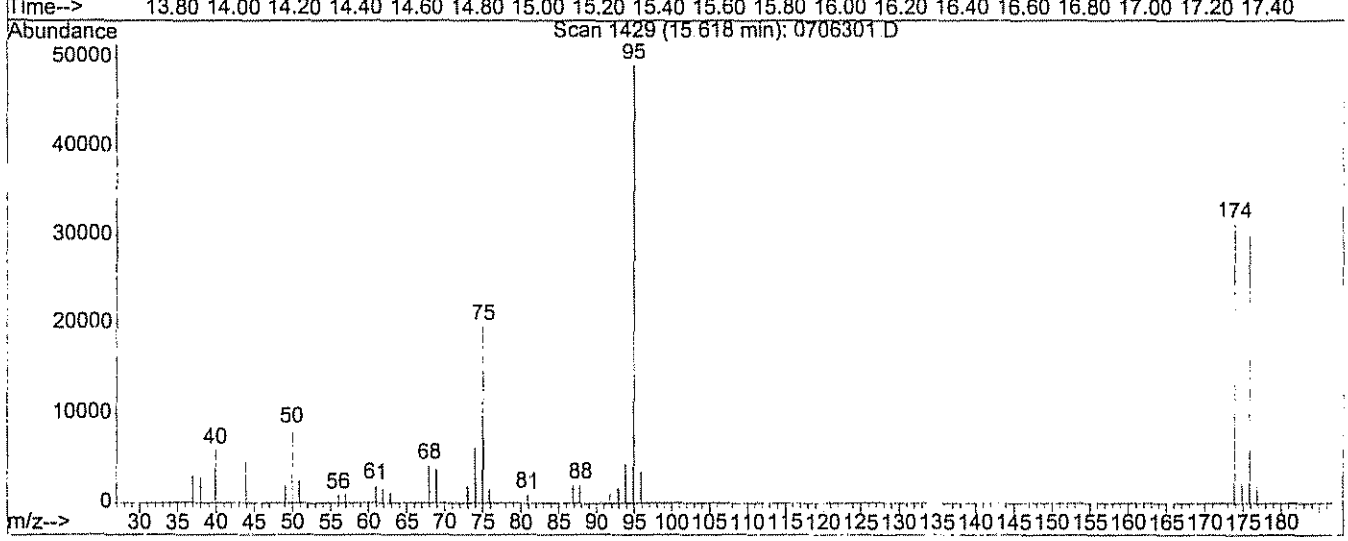
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.0	12040	PASS
75	95	30	60	42.5	30027	PASS
95	95	100	100	100.0	70714	PASS
96	95	5	9	5.8	4067	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	75.1	53128	PASS
175	174	5	9	6.5	3478	PASS
176	174	95	101	96.0	51008	PASS
177	176	5	9	5.6	2864	PASS

0707301.D 8260SSC.M Thu Jul 14 07:35:48 2005 X

BFB

Data File : G:\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 : G:\1\DATA\3070705\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 Thu Jul 14 07:36:31 2005 X

Response Factor Report MSD3

Method : G:\1\DATA\3070705\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

Calibration Files
1 =0706314.D 2 =0706315.D 3 =0706316.D
4 =0706320.D 5 =0706317.D 6 =0706321.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	I	fluorobenzene	----------ISTD----------							
2)	T	dichlorodifluoromet	0.170	0.208	0.237	0.222	0.245	0.220	0.221	10.61
3)	TP	chloromethane	0.244	0.285	0.331	0.358	0.354	0.322	0.323	12.29
4)	TC	vinyl chloride	0.245	0.316	0.349	0.330	0.367	0.329	0.333	12.22
5)	T	bromomethane	0.112	0.102	0.098	0.078	0.078	0.082	0.090	13.36
6)	T	chloroethane	0.136	0.168	0.180	0.159	0.166		0.162	10.01
7)	T	trichlorofluorometh	0.265	0.337	0.375	0.341	0.401	0.343	0.347	12.45
8)	T	acrolein	0.411	0.331	0.330	0.519	0.168	0.418	0.305	47.80
9)	TC	1,1-dichloroethene	0.264	0.236	0.263	0.204	0.257	0.223	0.241	8.55
10)	T	acetone	0.448	0.276	0.228	0.227	0.174	0.187	0.230	42.37
11)	T	methylene chloride	0.356	0.314	0.302	0.252	0.309	0.291	0.297	10.70
12)	T	trans-1,2-dichloroe	0.340	0.322	0.324	0.258	0.342	0.293	0.314	8.77
13)	T	acrylonitrile	1.136	1.220	1.144	1.583	1.113	1.420	1.218	15.36
14)	TP	1,1-dichloroethane	0.591	0.576	0.604	0.474	0.616	0.546	0.568	7.79
15)	T	2,2-dichloropropane	0.498	0.464	0.478	0.373	0.502	0.425	0.453	9.46
16)	T	cis-1,2-dichloroeth	0.361	0.321	0.332	0.254	0.341	0.304	0.316	10.12
17)	T	2-butanone	0.551	0.441	0.385	0.449	0.378	0.453	0.424	15.13
18)	T	bromochloromethane	0.124	0.111	0.117	0.102	0.117	0.119	0.114	6.46
19)	TC	chloroform	0.554	0.498	0.513	0.418	0.525	0.487	0.497	7.97
20)	T	1,1,1-trichloroetha	0.462	0.439	0.467	0.360	0.493	0.419	0.445	9.13
21)	T	carbon tetrachlorid	0.411	0.378	0.418	0.311	0.427	0.365	0.389	9.67
22)	T	1,1-dichloropropene	0.485	0.437	0.467	0.357	0.483	0.408	0.443	9.67
23)	S	1,2-dichloroethane-	0.314	0.317	0.318	0.314	0.322	0.301	0.313	2.27
24)	T	benzene	1.514	1.369	1.361	1.078	1.401	1.222	1.319	9.79
25)	T	1,2-dichloroethane	0.425	0.384	0.365	0.328	0.383	0.379	0.367	9.02
26)	T	trichloroethene	0.366	0.327	0.337	0.263	0.351	0.301	0.324	9.68
27)	TC	1,2-dichloropropane	0.346	0.338	0.331	0.274	0.355	0.320	0.325	7.79
28)	T	dibromomethane	0.186	0.156	0.146	0.136	0.150	0.160	0.151	11.65
29)	T	bromodichloromethan	0.387	0.344	0.345	0.290	0.365	0.349	0.343	8.28
30)	T	2-chloroethyl vinyl							0.000	-1.00
31)	T	cis-1,3-dichloropro	0.493	0.432	0.420	0.375	0.454	0.438	0.429	8.19
32)	T	4-methyl-2-pentanon	1.255	0.997	0.864	0.992	0.923	1.033	0.968	14.46
33)	S	toluene-d8	0.728	0.719	0.714	0.722	0.714	0.731	0.721	1.15
34)	TC	toluene	0.876	0.809	0.800	0.665	0.858	0.754	0.796	8.16
35)	T	Iodomethane	0.226	0.204	0.223	0.178	0.234	0.213	0.209	10.16
36)	T	trans-1,3-dichlorop	0.423	0.363	0.361	0.330	0.383	0.385	0.368	7.89
37)	T	Vinyl acetate	0.193	0.142	0.137	0.155	0.103	0.155	0.131	30.48
38)	T	Carbon disulfide	0.986	0.907	0.949	0.722	0.976	0.806	0.897	10.05
39)	I	bromochloropropane	----------ISTD----------							
40)	T	1,1,2-trichloroetha	1.869	1.661	1.469	1.431	1.591	1.611	1.557	10.35
41)	T	tetrachloroethene	2.423	2.299	2.415	1.786	2.439	2.143	2.260	9.53
42)	T	1,3-dichloropropane	3.912	3.423	3.232	3.047	3.438	3.488	3.331	9.09

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report MSD3

Method : G:\1\DATA\3070705\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

Calibration Files
1 =0706314.D 2 =0706315.D 3 =0706316.D
4 =0706320.D 5 =0706317.D 6 =0706321.D

		Compound	1	2	3	4	5	6	Avg	%RSD
43)	T	2-hexanone	6.915	5.802	4.946	5.644	5.222	6.018	5.530	13.11
44)	T	dibromochloromethan	2.024	1.725	1.677	1.543	1.776	1.819	1.720	9.10
45)	T	1,2-dibromoethane	2.251	1.879	1.780	1.737	1.880	2.002	1.865	10.20
46)	TP	chlorobenzene	7.608	6.574	6.761	5.393	6.894	6.290	6.542	9.56
47)	T	1,1,1,2-tetrachloro	2.007	1.740	1.745	1.481	1.799	1.702	1.724	8.65
48)	TP	bromoform	1.297	1.217	1.029	1.077	1.137	1.276	1.146	9.40
49)	S	4-bromofluorobenzen	2.890	2.890	2.931	2.857	2.933	3.007	2.946	2.41
50)	T	bromobenzene	2.552	2.170	2.168	1.873	2.304	2.148	2.171	9.22
51)	TP	1,1,2,2-tetrachloro	3.073	2.545	2.325	2.448	2.481	2.737	2.519	11.14
52)	T	1,2,3-trichloroprop	7.069	0.247	5.473	6.031	5.969	6.797	5.319	40.27
53)		chlorobenzene-d5	----------ISTD----------							
54)	TC	ethylbenzene	2.255	2.004	2.078	1.677	2.183	1.908	2.007	8.89
55)	T	m/p-xylene	0.835	0.720	0.767	0.613	0.800	0.699	0.740	9.10
56)	T	styrene	1.183	1.056	1.027	0.889	1.102	1.001	1.035	8.22
57)	T	o-xylene	0.754	0.682	0.693	0.582	0.730	0.655	0.683	7.49
58)	T	isopropylbenzene	2.125	1.833	1.931	1.576	2.058	1.785	1.886	8.95
59)	T	n-propyl benzene	2.680	2.313	2.429	1.997	2.580	2.277	2.355	9.91
60)	T	2-chlorotoluene	0.422	0.375	0.376	0.313	0.403	0.358	0.373	8.57
61)	T	4-chlorotoluene	0.452	0.389	0.396	0.339	0.410	0.367	0.387	8.83
62)	T	1,3,5-trimethylbenz	1.687	1.480	1.559	1.283	1.626	1.467	1.527	7.97
63)	T	tert-butylbenzene	1.423	1.228	1.293	1.050	1.356	1.209	1.266	8.74
64)	T	1,2,4-trimethylbenz	1.709	1.462	1.453	1.297	1.624	1.471	1.515	8.24
65)	T	sec-butylbenzene	2.448	2.056	2.167	1.779	2.264	2.013	2.110	9.53
66)	T	1,3-dichlorobenzene	0.829	0.706	0.705	0.623	0.752	0.695	0.710	8.42
67)	T	4-isopropyltoluene	1.887	1.527	1.681	1.393	1.753	1.591	1.646	8.98
68)	T	1,4-dichlorobenzene	0.858	0.727	0.701	0.624	0.749	0.713	0.718	9.40
69)	T	1,2-dichlorobenzene	0.749	0.639	0.626	0.542	0.659	0.637	0.631	9.55
70)	T	n-butylbenzene	2.000	1.655	1.775	1.428	1.823	1.645	1.725	9.48
71)	T	1,2-dibromo-3-chlor	0.614	0.493	0.430	0.507	0.460	0.530	0.487	13.09
72)	T	1,2,4-trichlorobenz	0.575	0.433	0.414	0.406	0.448	0.449	0.446	12.15
73)	T	hexachlorobutadiene	0.219	0.174	0.187	0.167	0.186	0.176	0.185	8.59
74)	T	naphthalene	1.676	1.226	1.051	1.201	1.183	1.251	1.218	16.48
75)	T	trans-1,4-Dichloro-	0.448	0.381	0.334	0.376	0.373	0.407	0.373	11.20
76)	T	1,2,3-trichlorobenz	0.541	0.408	0.372	0.380	0.402	0.412	0.409	13.61
77)	T	MTBE	1.229	1.099	1.001	0.985	1.114	1.121	1.065	8.54
78)	T	DIPE	2.034	1.803	1.774	1.517	1.939	1.720	1.776	8.85

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706314.D
Acq On : 6 Jul 2005 3:52 pm
Sample : VSTD005
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 16:17 2005

Vial: 14
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	8.51	96	3800164	50.00	ppb		0.00
39) bromochloropropane	11.73	79	478891	50.00	ppb		0.00
53) chlorobenzene-d5	13.54	117	2800423	50.00	ppb		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane-d4	7.97	65	1191909	50.72	ppb		0.00
Spiked Amount 50.000			Recovery	=	101.44%		
33) toluene-d8	11.10	98	2765441	50.06	ppb		0.00
Spiked Amount 50.000			Recovery	=	100.12%		
49) 4-bromofluorobenzene	15.61	95	1383772	48.29	ppb		0.00
Spiked Amount 50.000			Recovery	=	96.58%		
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.90	85	64760	3.13	ppb	#	86
3) chloromethane	2.12	50	92753	3.19	ppb	#	93
4) vinyl chloride	2.24	62	93074	3.02	ppb	#	86
5) bromomethane	2.64	94	42415	1.83	ppb		92
6) chloroethane	2.77	64	51738	Below Cal			98
7) trichlorofluoromethane	3.11	101	100525	3.19	ppb		99
8) acrolein	3.71	56	156161	Below Cal		#	67
9) 1,1-dichloroethene	3.84	96	100383	5.08	ppb		89
10) acetone	3.94	43	170239	8.47	ppb		99
11) methylene chloride	4.60	84	135420	5.90	ppb		92
12) trans-1,2-dichloroethene	5.05	96	129394	5.12	ppb		95
13) acrylonitrile	5.02	53	431599	57.38	ppb		90
14) 1,1-dichloroethane	5.72	63	224760	4.74	ppb		94
15) 2,2-dichloropropane	6.64	77	189318	5.32	ppb		99
16) cis-1,2-dichloroethene	6.66	96	137315	5.53	ppb		84
17) 2-butanone	6.71	43	209512	8.82	ppb	#	100
18) bromochloromethane	7.04	128	46967	5.41	ppb	#	74
19) chloroform	7.19	83	210702	5.23	ppb		89
20) 1,1,1-trichloroethane	7.45	97	175671	4.74	ppb	#	83
21) carbon tetrachloride	7.72	117	156225	4.86	ppb		98
22) 1,1-dichloropropene	7.72	75	184475	5.08	ppb		96
24) benzene	8.05	78	575428	5.32	ppb		97
25) 1,2-dichloroethane	8.08	62	161333	5.76	ppb		97
26) trichloroethene	9.10	95	139070	5.29	ppb		86
27) 1,2-dichloropropane	9.45	63	131319	5.01	ppb	#	100
28) dibromomethane	9.65	93	70858	6.61	ppb	#	89
29) bromodichloromethane	9.92	83	146980	5.44	ppb	#	87
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.67	75	187231	5.63	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706314.D
Acq On : 6 Jul 2005 3:52 pm
Sample : VSTD005
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 16:17 2005

Vial: 14
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	477107	7.90	ppb	#	98
34)	toluene	11.21	92	332938	5.22	ppb		97
35)	Iodomethane	4.06	142	85845	4.76	ppb		99
36)	trans-1,3-dichloropropene	11.59	75	160828	5.71	ppb		93
37)	Vinyl acetate	5.84	86	73478	16.67	ppb	#	1
38)	Carbon disulfide	4.16	76	374830	4.97	ppb		99
40)	1,1,2-trichloroethane	11.90	83	89491	6.46	ppb	#	88
41)	tetrachloroethene	12.13	166	116027	5.18	ppb		92
42)	1,3-dichloropropane	12.17	76	187364	6.07	ppb		88
43)	2-hexanone	12.35	43	331152	7.94	ppb	#	97
44)	dibromochloromethane	12.56	129	96921	6.08	ppb		87
45)	1,2-dibromoethane	12.73	107	107815	6.58	ppb	#	77
46)	chlorobenzene	13.59	112	364357	5.69	ppb		99
47)	1,1,1,2-tetrachloroethane	13.74	131	96094	5.60	ppb		91
48)	bromoform	15.02	173	62119	7.33	ppb	#	100
50)	bromobenzene	15.87	156	122216	5.83	ppb	#	77
51)	1,1,2,2-tetrachloroethane	15.90	83	147170	6.89	ppb	#	66
52)	1,2,3-trichloropropane	16.00	75	338545	8.83	ppb	#	10
54)	ethylbenzene	13.80	91	631412	5.35	ppb		99
55)	m/p-xylene	14.01	106	467731	10.52	ppb		92
56)	styrene	14.72	104	331365	5.49	ppb		100
57)	o-xylene	14.70	106	211125	5.21	ppb		93
58)	isopropylbenzene	15.36	105	595068	5.32	ppb		99
59)	n-propyl benzene	16.09	91	750413	5.39	ppb		96
60)	2-chlorotoluene	16.23	126	118075	5.32	ppb		92
61)	4-chlorotoluene	16.42	126	126511	5.63	ppb		84
62)	1,3,5-trimethylbenzene	16.42	105	472352	5.13	ppb		98
63)	tert-butylbenzene	16.99	119	398450	5.23	ppb		96
64)	1,2,4-trimethylbenzene	17.08	105	478677	5.23	ppb		88
65)	sec-butylbenzene	17.39	105	685446	5.47	ppb		100
66)	1,3-dichlorobenzene	17.57	146	232154	5.55	ppb		95
67)	4-isopropyltoluene	17.67	119	528393	5.33	ppb		93
68)	1,4-dichlorobenzene	17.73	146	240233	5.75	ppb		96
69)	1,2-dichlorobenzene	18.39	146	209752	5.80	ppb		90
70)	n-butylbenzene	18.41	91	559950	5.45	ppb	#	90
71)	1,2-dibromo-3-chloropropan	19.81	75	171949	7.65	ppb	#	50
72)	1,2,4-trichlorobenzene	21.34	180	161099	6.72	ppb		85
73)	hexachlorobutadiene	21.69	225	61238	5.73	ppb		94
74)	naphthalene	21.78	128	469444	8.12	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.01	89	125556	7.10	ppb	#	75
76)	1,2,3-trichlorobenzene	22.23	180	151466	7.10	ppb		92

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706314.D
Acq On : 6 Jul 2005 3:52 pm
Sample : VSTD005
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 16:17 2005

Vial: 14
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
77) MTBE	5.08	73	344292	5.74 ppb		99
78) DIPE	5.88	45	569511	5.38 ppb	#	76

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

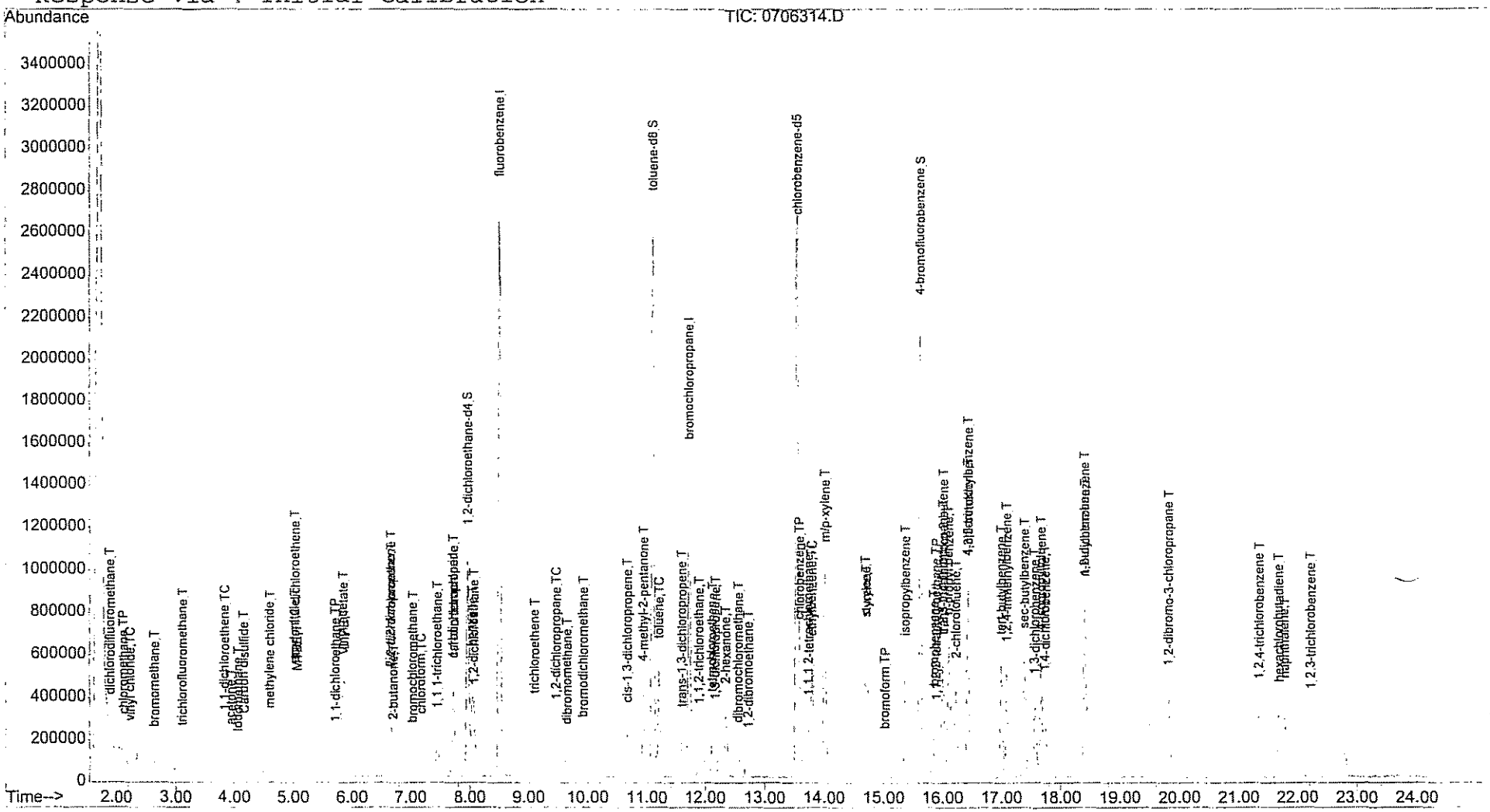
Quantitation Report

Data File : G:\1\DATA\3070605\0706314.D
Acq On : 6 Jul 2005 3:52 pm
Sample : VSTD005
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 16:17 2005

Vial: 14
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706315.D Vial: 15
Acq On : 6 Jul 2005 4:23 pm Operator: RNP
Sample : VSTD010 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 16:48 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	8.51	96	3573926	50.00	ppb		0.00
39) bromochloropropane	11.72	79	450384	50.00	ppb		-0.02
53) chlorobenzene-d5	13.54	117	2705269	50.00	ppb		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane-d4	7.97	65	1133943	51.31	ppb		0.00
Spiked Amount 50.000			Recovery	=	102.62%		
33) toluene-d8	11.10	98	2568178	49.43	ppb		0.00
Spiked Amount 50.000			Recovery	=	98.86%		
49) 4-bromofluorobenzene	15.61	95	1301582	48.30	ppb		0.00
Spiked Amount 50.000			Recovery	=	96.60%		
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.90	85	148964	7.66	ppb		92
3) chloromethane	2.12	50	203619	7.45	ppb	#	90
4) vinyl chloride	2.24	62	225851	7.80	ppb	#	89
5) bromomethane	2.63	94	72744	6.98	ppb		91
6) chloroethane	2.77	64	120363	Below Cal			91
7) trichlorofluoromethane	3.11	101	240774	8.12	ppb		95
8) acrolein	3.71	56	236355	40.00	ppb	#	65
9) 1,1-dichloroethene	3.84	96	168364	9.06	ppb		82
10) acetone	3.95	43	197292	12.86	ppb		95
11) methylene chloride	4.60	84	224403	10.39	ppb		98
12) trans-1,2-dichloroethene	5.04	96	229918	9.68	ppb		91
13) acrylonitrile	5.01	53	871733	123.22	ppb		92
14) 1,1-dichloroethane	5.73	63	411421	9.23	ppb	#	87
15) 2,2-dichloropropane	6.64	77	331356	9.90	ppb		96
16) cis-1,2-dichloroethene	6.65	96	229108	9.81	ppb		91
17) 2-butanone	6.71	43	315491	14.13	ppb	#	100
18) bromochloromethane	7.03	128	79372	9.72	ppb	#	81
19) chloroform	7.19	83	355893	9.40	ppb		86
20) 1,1,1-trichloroethane	7.45	97	313700	9.01	ppb	#	88
21) carbon tetrachloride	7.72	117	269855	8.93	ppb		94
22) 1,1-dichloropropene	7.72	75	312011	9.14	ppb		96
24) benzene	8.05	78	978608	9.63	ppb		100
25) 1,2-dichloroethane	8.09	62	274748	10.42	ppb		96
26) trichloroethene	9.10	95	233777	9.46	ppb	#	83
27) 1,2-dichloropropane	9.45	63	241830	9.81	ppb	#	100
28) dibromomethane	9.65	93	111581	11.07	ppb	#	95
29) bromodichloromethane	9.93	83	245593	9.67	ppb	#	85
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.67	75	309068	9.89	ppb		97

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706315.D
Acq On : 6 Jul 2005 4:23 pm
Sample : VSTD010
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 16:48 2005

Vial: 15
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	712680	12.55	ppb	#	94
34)	toluene	11.21	92	578468	9.64	ppb		98
35)	Iodomethane	4.05	142	145785	8.60	ppb		88
36)	trans-1,3-dichloropropene	11.60	75	259731	9.80	ppb		96
37)	Vinyl acetate	5.85	86	101152	24.40	ppb	#	1
38)	Carbon disulfide	4.15	76	648576	9.14	ppb	#	95
40)	1,1,2-trichloroethane	11.90	83	149634	11.48	ppb	#	72
41)	tetrachloroethene	12.13	166	207048	9.82	ppb		90
42)	1,3-dichloropropane	12.17	76	308356	10.62	ppb	#	85
43)	2-hexanone	12.35	43	522649	13.32	ppb	#	96
44)	dibromochloromethane	12.55	129	155418	10.37	ppb		90
45)	1,2-dibromoethane	12.73	107	169232	10.98	ppb	#	79
46)	chlorobenzene	13.58	112	592182	9.82	ppb		98
47)	1,1,1,2-tetrachloroethane	13.74	131	156700	9.72	ppb		93
48)	bromoform	15.03	173	109623	12.55	ppb	#	100
50)	bromobenzene	15.87	156	195462	9.91	ppb		87
51)	1,1,2,2-tetrachloroethane	15.90	83	229220	11.40	ppb	#	59
52)	1,2,3-trichloropropane	16.12	75	22262	2.51	ppb	#	54
54)	ethylbenzene	13.79	91	1084234	9.51	ppb		98
55)	m/p-xylene	14.01	106	779153	18.14	ppb		93
56)	styrene	14.73	104	571322	9.80	ppb		100
57)	o-xylene	14.69	106	368913	9.43	ppb		99
58)	isopropylbenzene	15.36	105	991774	9.18	ppb		99
59)	n-propyl benzene	16.09	91	1251694	9.30	ppb		97
60)	2-chlorotoluene	16.23	126	202661	9.44	ppb		91
61)	4-chlorotoluene	16.42	126	210296	9.69	ppb		89
62)	1,3,5-trimethylbenzene	16.42	105	800788	9.00	ppb		98
63)	tert-butylbenzene	16.99	119	664336	9.02	ppb		96
64)	1,2,4-trimethylbenzene	17.08	105	791060	8.95	ppb		89
65)	sec-butylbenzene	17.39	105	1112301	9.18	ppb		100
66)	1,3-dichlorobenzene	17.57	146	382017	9.46	ppb		92
67)	4-isopropyltoluene	17.67	119	826341	8.63	ppb		96
68)	1,4-dichlorobenzene	17.73	146	393259	9.74	ppb		90
69)	1,2-dichlorobenzene	18.39	146	345864	9.89	ppb		91
70)	n-butylbenzene	18.41	91	895594	9.02	ppb		95
71)	1,2-dibromo-3-chloropropan	19.81	75	266870	12.29	ppb	#	55
72)	1,2,4-trichlorobenzene	21.34	180	234248	10.11	ppb		84
73)	hexachlorobutadiene	21.68	225	94025	9.11	ppb		97
74)	naphthalene	21.78	128	663135	11.87	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.01	89	205897	12.06	ppb	#	65
76)	1,2,3-trichlorobenzene	22.22	180	220576	10.70	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706315.D
Acq On : 6 Jul 2005 4:23 pm
Sample : VSTD010
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 16:48 2005

Vial: 15
Operator: RNP
Inst : MSD3
Multiplr: 1.00

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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77) MTBE	5.08	73	594701	10.26	ppb		99
78) DIPE	5.88	45	975624	9.54	ppb	#	83

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

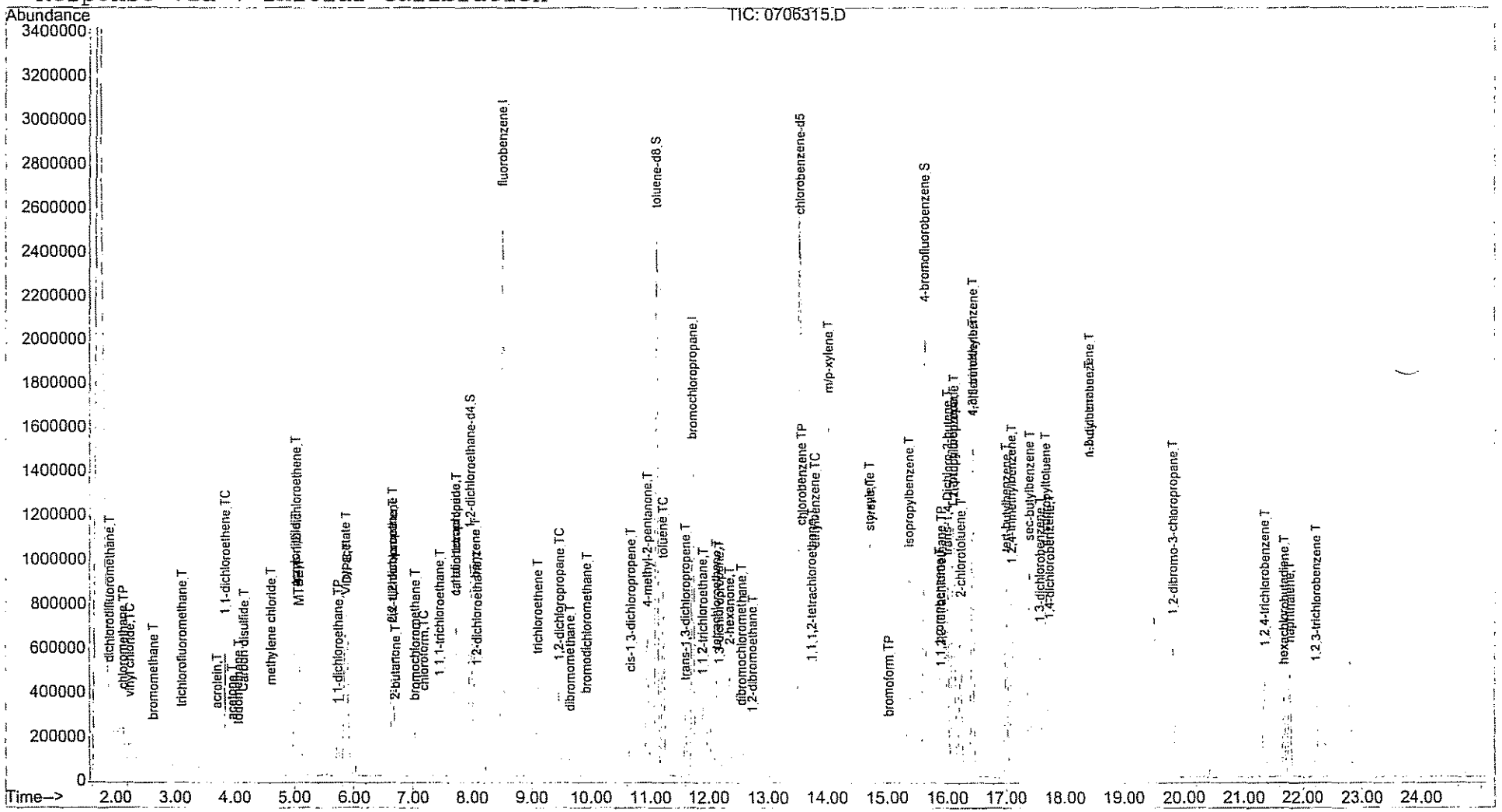
Quantitation Report

Data File : G:\1\DATA\3070605\0706315.D
Acq On : 6 Jul 2005 4:23 pm
Sample : VSTD010
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 16:48 2005

Vial: 15
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706316.D Vial: 16
Acq On : 6 Jul 2005 4:54 pm Operator: RNP
Sample : VSTD020 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 17:19 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	8.51	96	3331353	50.00	ppb		0.00
39) bromochloropropane	11.73	79	417762	50.00	ppb		0.00
53) chlorobenzene-d5	13.54	117	2514366	50.00	ppb		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane-d4	7.96	65	1058816	51.39	ppb		0.00
Spiked Amount 50.000			Recovery	=	102.78%		
33) toluene-d8	11.10	98	2378613	49.11	ppb		0.00
Spiked Amount 50.000			Recovery	=	98.22%		
49) 4-bromofluorobenzene	15.61	95	1224651	48.99	ppb		0.00
Spiked Amount 50.000			Recovery	=	97.98%		
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.90	85	316255	17.44	ppb	#	83
3) chloromethane	2.12	50	440427	17.29	ppb	#	88
4) vinyl chloride	2.24	62	465605	17.26	ppb	#	88
5) bromomethane	2.62	94	130219	17.48	ppb		92
6) chloroethane	2.76	64	239763	6.28	ppb		91
7) trichlorofluoromethane	3.11	101	500173	18.10	ppb		98
8) acrolein	3.70	56	439741	578.89	ppb	#	61
9) 1,1-dichloroethene	3.83	96	349948	20.21	ppb		85
10) acetone	3.94	43	303251	28.01	ppb		98
11) methylene chloride	4.61	84	402063	19.98	ppb		99
12) trans-1,2-dichloroethene	5.05	96	432291	19.52	ppb		98
13) acrylonitrile	5.02	53	1523981	231.11	ppb		91
14) 1,1-dichloroethane	5.72	63	804672	19.37	ppb		96
15) 2,2-dichloropropane	6.64	77	637205	20.42	ppb		96
16) cis-1,2-dichloroethene	6.66	96	441826	20.29	ppb		86
17) 2-butanone	6.71	43	513258	24.66	ppb	#	100
18) bromochloromethane	7.04	128	156369	20.54	ppb		80
19) chloroform	7.19	83	683734	19.37	ppb		93
20) 1,1,1-trichloroethane	7.45	97	622241	19.17	ppb	#	84
21) carbon tetrachloride	7.72	117	556351	19.76	ppb		98
22) 1,1-dichloropropene	7.72	75	622421	19.56	ppb	#	94
24) benzene	8.05	78	1812934	19.13	ppb		98
25) 1,2-dichloroethane	8.08	62	486012	19.78	ppb		100
26) trichloroethene	9.11	95	448730	19.48	ppb		85
27) 1,2-dichloropropane	9.46	63	441390	19.20	ppb	#	100
28) dibromomethane	9.65	93	194738	20.72	ppb	#	93
29) bromodichloromethane	9.93	83	459346	19.40	ppb	#	84
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.67	75	560190	19.23	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706316.D Vial: 16
Acq On : 6 Jul 2005 4:54 pm Operator: RNP
Sample : VSTD020 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p)
Quant Time: Jul 6 17:19 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	1151661	21.76	ppb	#	96
34)	toluene	11.21	92	1065403	19.06	ppb		97
35)	Iodomethane	4.05	142	297193	18.81	ppb		88
36)	trans-1,3-dichloropropene	11.60	75	480505	19.46	ppb		96
37)	Vinyl acetate	5.84	86	182295	47.17	ppb	#	1
38)	Carbon disulfide	4.15	76	1265197	19.13	ppb	#	97
40)	1,1,2-trichloroethane	11.91	83	245489	20.31	ppb	#	79
41)	tetrachloroethene	12.13	166	403518	20.63	ppb		89
42)	1,3-dichloropropane	12.17	76	540132	20.06	ppb	#	82
43)	2-hexanone	12.35	43	826518	22.71	ppb	#	97
44)	dibromochloromethane	12.56	129	280287	20.15	ppb		95
45)	1,2-dibromoethane	12.74	107	297397	20.79	ppb	#	77
46)	chlorobenzene	13.59	112	1129810	20.21	ppb		99
47)	1,1,1,2-tetrachloroethane	13.75	131	291630	19.49	ppb		95
48)	bromoform	15.03	173	171895	20.28	ppb	#	100
50)	bromobenzene	15.86	156	362268	19.80	ppb		97
51)	1,1,2,2-tetrachloroethane	15.91	83	388472	20.84	ppb	#	67
52)	1,2,3-trichloropropane	16.01	75	914590	23.06	ppb	#	9
54)	ethylbenzene	13.80	91	2089660	19.71	ppb		98
55)	m/p-xylene	14.01	106	1542079	38.63	ppb		90
56)	styrene	14.73	104	1033345	19.07	ppb		100
57)	o-xylene	14.70	106	696783	19.16	ppb		98
58)	isopropylbenzene	15.36	105	1941948	19.35	ppb		99
59)	n-propyl benzene	16.10	91	2443196	19.54	ppb		98
60)	2-chlorotoluene	16.23	126	378643	18.99	ppb		96
61)	4-chlorotoluene	16.42	126	397926	19.73	ppb		87
62)	1,3,5-trimethylbenzene	16.42	105	1567738	18.95	ppb		96
63)	tert-butylbenzene	16.99	119	1300283	19.00	ppb		96
64)	1,2,4-trimethylbenzene	17.08	105	1461406	17.80	ppb		93
65)	sec-butylbenzene	17.40	105	2179053	19.35	ppb		98
66)	1,3-dichlorobenzene	17.57	146	709146	18.89	ppb		95
67)	4-isopropyltoluene	17.67	119	1690741	18.99	ppb		93
68)	1,4-dichlorobenzene	17.73	146	705080	18.78	ppb		92
69)	1,2-dichlorobenzene	18.39	146	629266	19.37	ppb		93
70)	n-butylbenzene	18.41	91	1785380	19.34	ppb		98
71)	1,2-dibromo-3-chloropropan	19.82	75	432365	21.42	ppb	#	48
72)	1,2,4-trichlorobenzene	21.34	180	415999	19.31	ppb	#	81
73)	hexachlorobutadiene	21.68	225	187641	19.56	ppb		94
74)	naphthalene	21.78	128	1057370	20.36	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.01	89	336327	21.19	ppb	#	73
76)	1,2,3-trichlorobenzene	22.23	180	374380	19.54	ppb		92

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706316.D
Acq On : 6 Jul 2005 4:54 pm
Sample : VSTD020
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 17:19 2005

Vial: 16
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

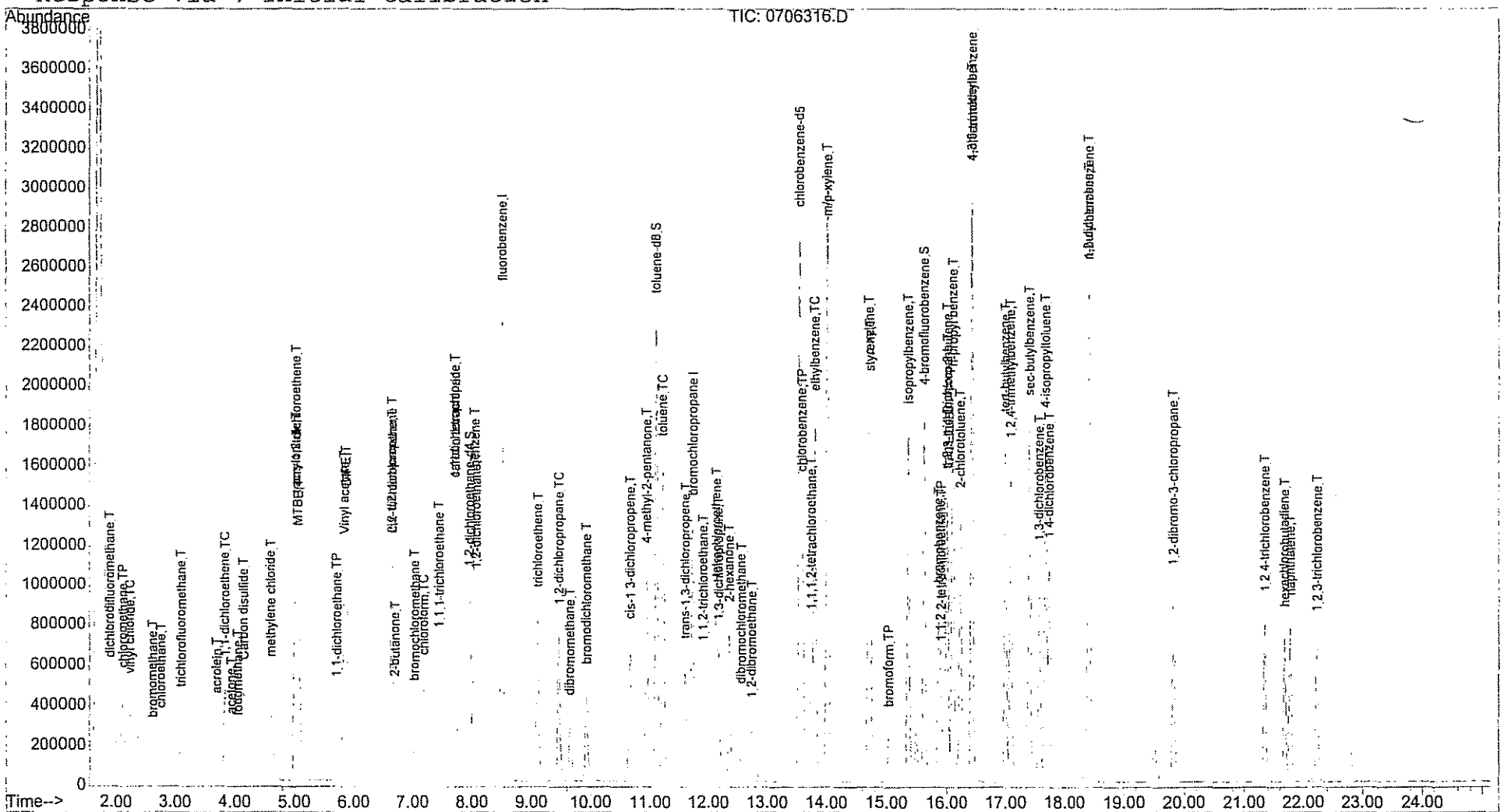
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77)	MTBE	5.08	73	1006511	18.68	ppb		97
78)	DIPE	5.88	45	1783884	18.78	ppb	#	87

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

Data File : G:\1\DATA\3070605\0706316.D Vial: 16
Acq On : 6 Jul 2005 4:54 pm Operator: RNP
Sample : VSTD020 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 17:19 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706317.D Vial: 17
Acq On : 6 Jul 2005 5:26 pm Operator: RNP
Sample : VSTD050 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 17:51 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.51	96	3345684	50.00	ppb	0.00
39) bromochloropropane	11.73	79	420741	50.00	ppb	0.00
53) chlorobenzene-d5	13.54	117	2487883	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.97	65	1075951	52.00	ppb	0.00
Spiked Amount 50.000			Recovery = 104.00%			
33) toluene-d8	11.10	98	2389368	49.13	ppb	0.00
Spiked Amount 50.000			Recovery = 98.26%			
49) 4-bromofluorobenzene	15.61	95	1234224	49.03	ppb	0.00
Spiked Amount 50.000			Recovery = 98.06%			

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.90	85	821016	45.08	ppb	#	80
3) chloromethane	2.12	50	1184766	46.30	ppb	#	89
4) vinyl chloride	2.24	62	1226388	45.27	ppb	#	89
5) bromomethane	2.61	94	262569	39.55	ppb		96
6) chloroethane	2.74	64	554197	88.98	ppb	#	89
7) trichlorofluoromethane	3.10	101	1341484	48.35	ppb		96
8) acrolein	3.70	56	563626	877.21	ppb	#	58
9) 1,1-dichloroethene	3.82	96	859573	49.43	ppb		87
10) acetone	3.95	43	580811	62.91	ppb		96
11) methylene chloride	4.60	84	1032997	51.10	ppb		91
12) trans-1,2-dichloroethene	5.05	96	1144031	51.43	ppb		93
13) acrylonitrile	5.01	53	3722733	562.12	ppb		91
14) 1,1-dichloroethane	5.72	63	2060409	49.40	ppb	#	95
15) 2,2-dichloropropane	6.64	77	1678078	53.54	ppb		93
16) cis-1,2-dichloroethene	6.65	96	1140597	52.16	ppb		93
17) 2-butanone	6.70	43	1265235	60.52	ppb	#	100
18) bromochloromethane	7.03	128	393076	51.42	ppb	#	75
19) chloroform	7.19	83	1757051	49.57	ppb		91
20) 1,1,1-trichloroethane	7.45	97	1649909	50.61	ppb	#	89
21) carbon tetrachloride	7.72	117	1429465	50.56	ppb		97
22) 1,1-dichloropropene	7.72	75	1616384	50.57	ppb	#	95
24) benzene	8.04	78	4686881	49.25	ppb		99
25) 1,2-dichloroethane	8.08	62	1280573	51.90	ppb		98
26) trichloroethene	9.10	95	1172907	50.69	ppb		85
27) 1,2-dichloropropane	9.45	63	1186795	51.41	ppb	#	100
28) dibromomethane	9.65	93	500942	53.07	ppb	#	96
29) bromodichloromethane	9.93	83	1221618	51.36	ppb	#	86
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.66	75	1520063	51.95	ppb		95

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706317.D Vial: 17
Acq On : 6 Jul 2005 5:26 pm Operator: RNP
Sample : VSTD050 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 17:51 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) fluorobenzene	8.51	96	3345684	50.00 ppb	0.00
39) bromochloropropane	11.73	79	420741	50.00 ppb	0.00
53) chlorobenzene-d5	13.54	117	2487883	50.00 ppb	0.00
System Monitoring Compounds					
23) 1,2-dichloroethane-d4	7.97	65	1075951	52.00 ppb	0.00
Spiked Amount 50.000			Recovery	= 104.00%	
33) toluene-d8	11.10	98	2389368	49.13 ppb	0.00
Spiked Amount 50.000			Recovery	= 98.26%	
49) 4-bromofluorobenzene	15.61	95	1234224	49.03 ppb	0.00
Spiked Amount 50.000			Recovery	= 98.06%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.90	85	821016	45.08 ppb #	80
3) chloromethane	2.12	50	1184766	46.30 ppb #	89
4) vinyl chloride	2.24	62	1226388	45.27 ppb #	89
5) bromomethane	2.61	94	262569	39.55 ppb	96
6) chloroethane	2.74	64	554197	88.98 ppb #	89
7) trichlorofluoromethane	3.10	101	1341484	48.35 ppb	96
8) acrolein	3.70	56	563626	877.21 ppb #	58
9) 1,1-dichloroethene	3.82	96	859573	49.43 ppb	87
10) acetone	3.95	43	580811	62.91 ppb	96
11) methylene chloride	4.60	84	1032997	51.10 ppb	91
12) trans-1,2-dichloroethene	5.05	96	1144031	51.43 ppb	93
13) acrylonitrile	5.01	53	3722733	562.12 ppb	91
14) 1,1-dichloroethane	5.72	63	2060409	49.40 ppb #	95
15) 2,2-dichloropropane	6.64	77	1678078	53.54 ppb	93
16) cis-1,2-dichloroethene	6.65	96	1140597	52.16 ppb	93
17) 2-butanone	6.70	43	1265235	60.52 ppb #	100
18) bromochloromethane	7.03	128	393076	51.42 ppb #	75
19) chloroform	7.19	83	1757051	49.57 ppb	91
20) 1,1,1-trichloroethane	7.45	97	1649909	50.61 ppb #	89
21) carbon tetrachloride	7.72	117	1429465	50.56 ppb	97
22) 1,1-dichloropropene	7.72	75	1616384	50.57 ppb #	95
24) benzene	8.04	78	4686881	49.25 ppb	99
25) 1,2-dichloroethane	8.08	62	1280573	51.90 ppb	98
26) trichloroethene	9.10	95	1172907	50.69 ppb	85
27) 1,2-dichloropropane	9.45	63	1186795	51.41 ppb #	100
28) dibromomethane	9.65	93	500942	53.07 ppb #	96
29) bromodichloromethane	9.93	83	1221618	51.36 ppb #	86
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.	
31) cis-1,3-dichloropropene	10.66	75	1520063	51.95 ppb	95

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706317.D Vial: 17
Acq On : 6 Jul 2005 5:26 pm Operator: RNP
Sample : VSTD050 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 17:51 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	3087701	58.10 ppb	#	96
34)	toluene	11.21	92	2870332	51.12 ppb		98
35)	Iodomethane	4.04	142	782792	49.33 ppb		96
36)	trans-1,3-dichloropropene	11.59	75	1282263	51.70 ppb		95
37)	Vinyl acetate	5.84	86	345840	89.11 ppb	#	1
38)	Carbon disulfide	4.14	76	3267048	49.18 ppb	#	96
40)	1,1,2-trichloroethane	11.90	83	669266	54.98 ppb	#	78
41)	tetrachloroethene	12.13	166	1026054	52.09 ppb		90
42)	1,3-dichloropropane	12.17	76	1446716	53.36 ppb	#	83
43)	2-hexanone	12.35	43	2197212	59.94 ppb	#	96
44)	dibromochloromethane	12.56	129	747036	53.33 ppb		94
45)	1,2-dibromoethane	12.73	107	791192	54.93 ppb	#	78
46)	chlorobenzene	13.59	112	2900534	51.51 ppb		99
47)	1,1,1,2-tetrachloroethane	13.74	131	756796	50.23 ppb		97
48)	bromoform	15.02	173	478592	53.64 ppb	#	100
50)	bromobenzene	15.86	156	969308	52.61 ppb		92
51)	1,1,2,2-tetrachloroethane	15.90	83	1044046	55.61 ppb	#	64
52)	1,2,3-trichloropropane	16.00	75	2511523	59.36 ppb	#	6
54)	ethylbenzene	13.80	91	5430979	51.78 ppb		99
55)	m/p-xylene	14.01	106	3981190	100.80 ppb		94
56)	styrene	14.73	104	2741305	51.13 ppb		100
57)	o-xylene	14.70	106	1816079	50.47 ppb		97
58)	isopropylbenzene	15.36	105	5119405	51.55 ppb		99
59)	n-propyl benzene	16.09	91	6417543	51.87 ppb		97
60)	2-chlorotoluene	16.23	126	1002581	50.80 ppb		96
61)	4-chlorotoluene	16.42	126	1020457	51.15 ppb		89
62)	1,3,5-trimethylbenzene	16.42	105	4046418	49.44 ppb		98
63)	tert-butylbenzene	16.99	119	3374083	49.82 ppb		95
64)	1,2,4-trimethylbenzene	17.08	105	4041132	49.73 ppb		93
65)	sec-butylbenzene	17.39	105	5632145	50.56 ppb		100
66)	1,3-dichlorobenzene	17.57	146	1871390	50.38 ppb		98
67)	4-isopropyltoluene	17.67	119	4361178	49.51 ppb		93
68)	1,4-dichlorobenzene	17.73	146	1864099	50.19 ppb		95
69)	1,2-dichlorobenzene	18.39	146	1639438	51.00 ppb		92
70)	n-butylbenzene	18.41	91	4535244	49.66 ppb		96
71)	1,2-dibromo-3-chloropropan	19.81	75	1143456	57.24 ppb	#	50
72)	1,2,4-trichlorobenzene	21.34	180	1113851	52.26 ppb	#	82
73)	hexachlorobutadiene	21.68	225	462227	48.69 ppb		97
74)	naphthalene	21.78	128	2942225	57.27 ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	929215	59.18 ppb	#	79
76)	1,2,3-trichlorobenzene	22.22	180	1000555	52.78 ppb		94

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706317.D Vial: 17
Acq On : 6 Jul 2005 5:26 pm Operator: RNP
Sample : VSTD050 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 17:51 2005 Quant Results File: 8260SSC.RES

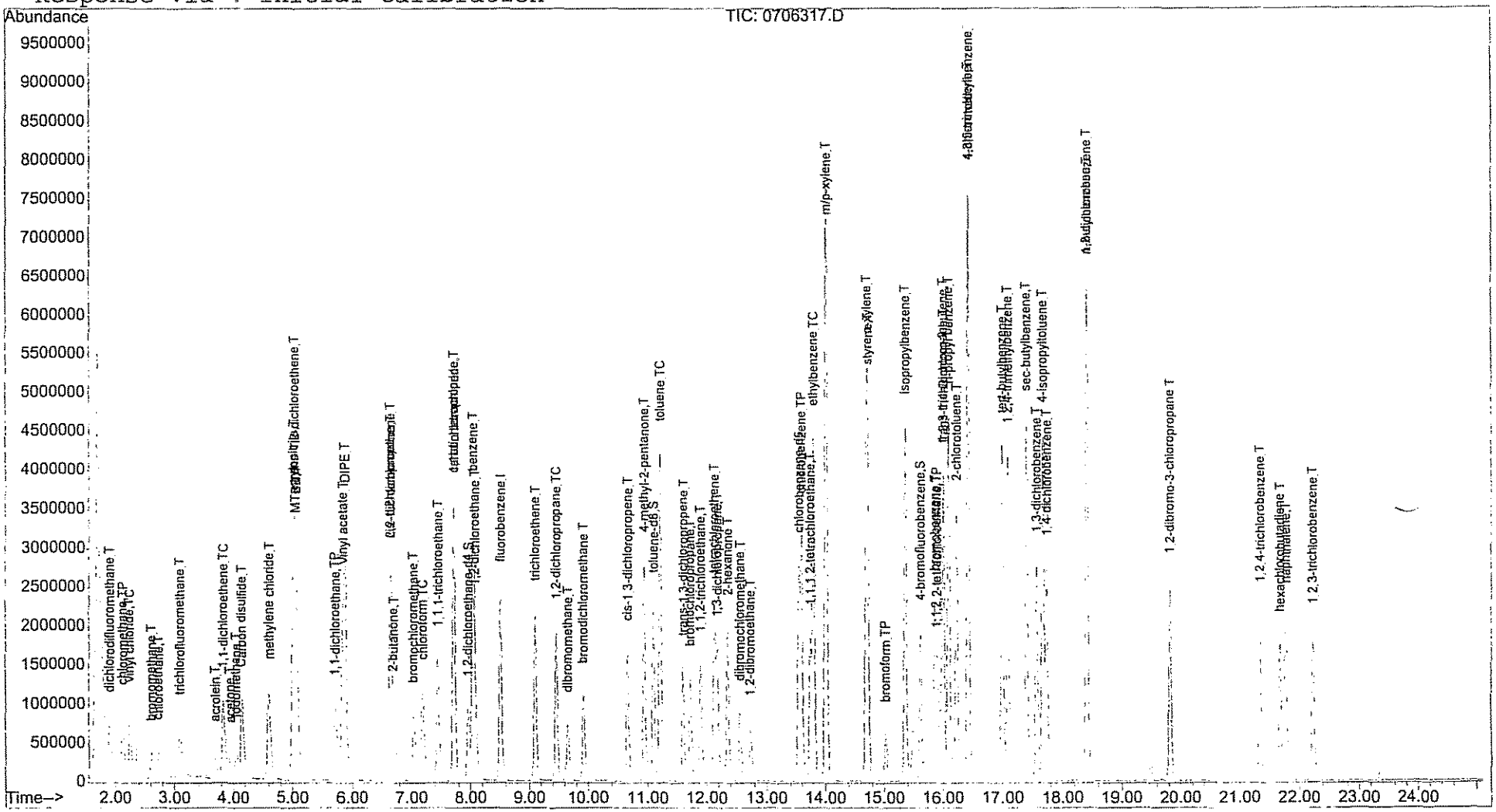
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.07	73	2770941	51.98 ppb	98
78) DIPE	5.88	45	4824388	51.32 ppb	98

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

Data File : G:\1\DATA\3070605\0706317.D Vial: 17
Acq On : 6 Jul 2005 5:26 pm Operator: RNP
Sample : VSTD050 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 17:51 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706318.D Vial: 18
Acq On : 6 Jul 2005 5:58 pm Operator: RNP
Sample : VSTD100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 18:23 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	3382199	50.00	ppb	-0.01
39) bromochloropropane	11.73	79	429312	50.00	ppb	-0.01
53) chlorobenzene-d5	13.54	117	2599412	50.00	ppb	-0.01
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.96	65	1072665	51.28	ppb	0.00
Spiked Amount 50.000			Recovery	=	102.56%	
33) toluene-d8	11.09	98	2466212	50.16	ppb	-0.01
Spiked Amount 50.000			Recovery	=	100.32%	
49) 4-bromofluorobenzene	15.62	95	1317260	51.28	ppb	0.00
Spiked Amount 50.000			Recovery	=	102.56%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.89	85	1587617	86.23	ppb	#	89
3) chloromethane	2.11	50	2347881	90.76	ppb	#	83
4) vinyl chloride	2.24	62	2442549	89.19	ppb		91
5) bromomethane	2.61	94	587582	92.93	ppb		100
6) chloroethane	2.72	64	456332	61.86	ppb	#	84
7) trichlorofluoromethane	3.05	101	2506180	89.35	ppb		97
8) acrolein	3.69	56	890661	1653.41	ppb	#	58
9) 1,1-dichloroethene	3.81	96	1642178	93.42	ppb		89
10) acetone	3.96	43	1058809	121.86	ppb		97
11) methylene chloride	4.59	84	1953023	95.57	ppb		90
12) trans-1,2-dichloroethene	5.03	96	2161472	96.12	ppb		97
13) acrylonitrile	5.01	53	7294283	1089.52	ppb		92
14) 1,1-dichloroethane	5.71	63	3926232	93.11	ppb		94
15) 2,2-dichloropropane	6.63	77	3088074	97.46	ppb		93
16) cis-1,2-dichloroethene	6.65	96	2139195	96.76	ppb		90
17) 2-butanone	6.71	43	2552886	120.79	ppb	#	100
18) bromochloromethane	7.03	128	762739	98.69	ppb		86
19) chloroform	7.18	83	3397195	94.80	ppb		95
20) 1,1,1-trichloroethane	7.44	97	3123463	94.77	ppb		91
21) carbon tetrachloride	7.70	117	2724486	95.32	ppb		100
22) 1,1-dichloropropene	7.71	75	3068177	94.95	ppb	#	95
24) benzene	8.04	78	8860951	92.12	ppb		98
25) 1,2-dichloroethane	8.08	62	2330322	93.43	ppb		99
26) trichloroethene	9.09	95	2189394	93.59	ppb	#	86
27) 1,2-dichloropropane	9.46	63	2200083	94.28	ppb	#	100
28) dibromomethane	9.65	93	953631	99.93	ppb	#	99
29) bromodichloromethane	9.92	83	2296784	95.53	ppb	#	81
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.66	75	2846641	96.23	ppb		97

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706318.D
Acq On : 6 Jul 2005 5:58 pm
Sample : VSTD100
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 18:23 2005

Vial: 18
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	5933780	110.44	ppb	#	97
34)	toluene	11.20	92	5451346	96.04	ppb		99
35)	Iodomethane	4.03	142	1455798	90.76	ppb		89
36)	trans-1,3-dichloropropene	11.60	75	2420434	96.54	ppb		100
37)	Vinyl acetate	5.83	86	574090	146.33	ppb	#	1
38)	Carbon disulfide	4.13	76	6260289	93.23	ppb	#	95
40)	1,1,2-trichloroethane	11.89	83	1253711	100.93	ppb	#	79
41)	tetrachloroethene	12.13	166	1945960	96.82	ppb		94
42)	1,3-dichloropropane	12.17	76	2698483	97.53	ppb	#	85
43)	2-hexanone	12.35	43	4325721	115.65	ppb	#	96
44)	dibromochloromethane	12.55	129	1401754	98.08	ppb		95
45)	1,2-dibromoethane	12.73	107	1491761	101.49	ppb	#	77
46)	chlorobenzene	13.59	112	5560257	96.78	ppb		100
47)	1,1,1,2-tetrachloroethane	13.75	131	1455033	94.64	ppb		95
48)	bromoform	15.03	173	964718	104.62	ppb	#	100
50)	bromobenzene	15.87	156	1841398	97.95	ppb		91
51)	1,1,2,2-tetrachloroethane	15.91	83	2050815	107.05	ppb	#	62
52)	1,2,3-trichloropropane	16.00	75	4931015	112.34	ppb	#	8
54)	ethylbenzene	13.80	91	10535709	96.13	ppb		100
55)	m/p-xylene	14.01	106	7663598	185.70	ppb		96
56)	styrene	14.72	104	5301126	94.63	ppb		100
57)	o-xylene	14.69	106	3550515	94.43	ppb		98
58)	isopropylbenzene	15.35	105	9978006	96.16	ppb		99
59)	n-propyl benzene	16.09	91	12876906	99.61	ppb		95
60)	2-chlorotoluene	16.23	126	1925445	93.38	ppb		98
61)	4-chlorotoluene	16.43	126	1955897	93.83	ppb		94
62)	1,3,5-trimethylbenzene	16.42	105	8031667	93.92	ppb		96
63)	tert-butylbenzene	17.00	119	6644212	93.89	ppb		94
64)	1,2,4-trimethylbenzene	17.09	105	7999742	94.23	ppb		93
65)	sec-butylbenzene	17.39	105	11286693	96.97	ppb		99
66)	1,3-dichlorobenzene	17.57	146	3583763	92.33	ppb		97
67)	4-isopropyltoluene	17.67	119	8652675	94.01	ppb		94
68)	1,4-dichlorobenzene	17.73	146	3621309	93.32	ppb		95
69)	1,2-dichlorobenzene	18.40	146	3158834	94.04	ppb		93
70)	n-butylbenzene	18.41	91	9086402	95.23	ppb		99
71)	1,2-dibromo-3-chloropropan	19.82	75	2292257	109.83	ppb	#	44
72)	1,2,4-trichlorobenzene	21.34	180	2198584	98.73	ppb		83
73)	hexachlorobutadiene	21.68	225	936638	94.42	ppb		99
74)	naphthalene	21.77	128	5755896	107.23	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	1785392	108.82	ppb	#	77
76)	1,2,3-trichlorobenzene	22.22	180	1974482	99.69	ppb		94

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706318.D Vial: 18
Acq On : 6 Jul 2005 5:58 pm Operator: RNP
Sample : VSTD100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 18:23 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.07	73	5209172	93.52 ppb	98
78) DIPE	5.87	45	8946972	91.10 ppb	99

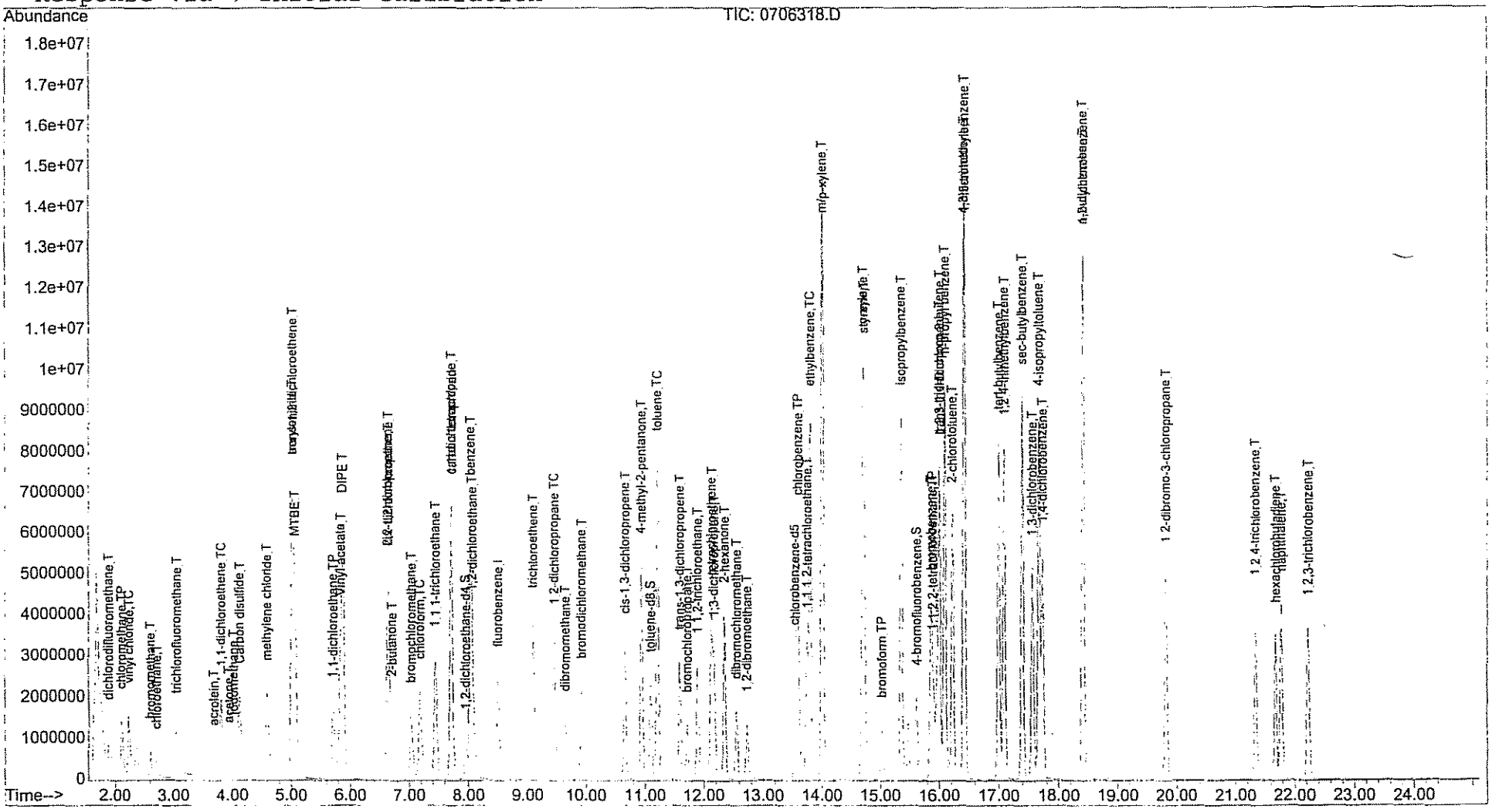
(#) = qualifier out of range (m) = manual integration

Data File : G:\1\DATA\3070605\0706318.D
Acq On : 6 Jul 2005 5:58 pm
Sample : VSTD100
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 18:23 2005

Vial: 18
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070605\0706319.D
Acq On : 6 Jul 2005 6:29 pm
Sample : VSTD200
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 18:54 2005

Vial: 19
Operator: RNP
Inst : MSD3
Multiplr: 1.00

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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	3392404	50.00	ppb	-0.01
39) bromochloropropane	11.72	79	427464	50.00	ppb	-0.01
53) chlorobenzene-d5	13.54	117	2542172	50.00	ppb	-0.01
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.96	65	1030536	49.12	ppb	0.00
Spiked Amount 50.000			Recovery = 98.24%			
33) toluene-d8	11.09	98	2402895	48.72	ppb	-0.01
Spiked Amount 50.000			Recovery = 97.44%			
49) 4-bromofluorobenzene	15.62	95	1279121	50.01	ppb	0.00
Spiked Amount 50.000			Recovery = 100.02%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.89	85	3120039	168.95	ppb #	86
3) chloromethane	2.11	50	4712392	181.62	ppb #	85
4) vinyl chloride	2.24	62	5018588	182.69	ppb	90
5) bromomethane	2.61	94	1187899	191.80	ppb	96
6) chloroethane	2.71	64	779143	145.51	ppb #	83
7) trichlorofluoromethane	0.00	101	0	N.D.		
8) acrolein	3.70	56	1818871	3885.48	ppb #	59
9) 1,1-dichloroethene	3.78	96	3273887	185.69	ppb	90
10) acetone	3.98	43	2015355	240.65	ppb	96
11) methylene chloride	4.58	84	3601429	175.71	ppb	94
12) trans-1,2-dichloroethene	5.01	96	4198491	186.14	ppb	96
13) acrylonitrile	5.02	53	14255522	2122.89	ppb	92
14) 1,1-dichloroethane	5.70	63	7571540	179.02	ppb	93
15) 2,2-dichloropropane	6.63	77	5830778	183.46	ppb	95
16) cis-1,2-dichloroethene	6.65	96	4076355	183.83	ppb	87
17) 2-butanone	6.72	43	4794858	226.19	ppb #	100
18) bromochloromethane	7.02	128	1428946	184.34	ppb	82
19) chloroform	7.18	83	6507026	181.03	ppb	90
20) 1,1,1-trichloroethane	7.44	97	6220077	188.16	ppb	91
21) carbon tetrachloride	7.70	117	5475784	191.00	ppb	99
22) 1,1-dichloropropene	7.71	75	6166675	190.27	ppb #	95
24) benzene	8.04	78	17654512	182.98	ppb	98
25) 1,2-dichloroethane	8.08	62	4429724	177.07	ppb	96
26) trichloroethene	9.09	95	4359024	185.78	ppb #	88
27) 1,2-dichloropropane	9.45	63	4169996	178.16	ppb #	100
28) dibromomethane	9.64	93	1760871	183.97	ppb #	98
29) bromodichloromethane	9.92	83	4379250	181.59	ppb #	82
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.		
31) cis-1,3-dichloropropene	10.66	75	5444428	183.50	ppb	97

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070605\0706319.D
Acq On : 6 Jul 2005 6:29 pm
Sample : VSTD200
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 18:54 2005

Vial: 19
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.95	43	10872306	201.76	ppb	#	97
34)	toluene	11.20	92	10823481	190.10	ppb		95
35)	Iodomethane	4.01	142	2408689	149.71	ppb		89
36)	trans-1,3-dichloropropene	11.60	75	4624739	183.90	ppb		98
37)	Vinyl acetate	5.83	86	1028895	261.46	ppb	#	1
38)	Carbon disulfide	4.09	76	12292325	182.51	ppb	#	95
40)	1,1,2-trichloroethane	11.90	83	2334476	188.75	ppb	#	78
41)	tetrachloroethene	12.13	166	3947110	197.23	ppb		93
42)	1,3-dichloropropane	12.17	76	5071372	184.09	ppb	#	82
43)	2-hexanone	12.36	43	7963736	213.83	ppb	#	96
44)	dibromochloromethane	12.55	129	2666993	187.41	ppb		91
45)	1,2-dibromoethane	12.73	107	2826961	193.17	ppb	#	75
46)	chlorobenzene	13.59	112	10843779	189.56	ppb		99
47)	1,1,1,2-tetrachloroethane	13.74	131	2782349	181.75	ppb		96
48)	bromoform	15.03	173	1733516	187.71	ppb	#	100
50)	bromobenzene	15.87	156	3428689	183.16	ppb		98
51)	1,1,2,2-tetrachloroethane	15.90	83	3678730	192.85	ppb	#	64
52)	1,2,3-trichloropropane	16.00	75	8931211	202.69	ppb	#	8
54)	ethylbenzene	13.79	91	19592316	182.80	ppb		95
55)	m/p-xylene	14.01	106	15176611	376.04	ppb	#	64
56)	styrene	14.72	104	10204830	186.26	ppb		100
57)	o-xylene	14.69	106	6942865	188.82	ppb		95
58)	isopropylbenzene	15.35	105	18888237	186.13	ppb		99
59)	n-propyl benzene	16.09	91	21260318	168.16	ppb		97
60)	2-chlorotoluene	16.23	126	3700082	183.49	ppb		97
61)	4-chlorotoluene	16.43	126	3698920	181.44	ppb		99
62)	1,3,5-trimethylbenzene	16.43	105	15940684	190.60	ppb		95
63)	tert-butylbenzene	17.00	119	13120301	189.57	ppb		97
64)	1,2,4-trimethylbenzene	17.09	105	15932005	191.89	ppb		96
65)	sec-butylbenzene	17.39	105	20171326	177.21	ppb	#	90
66)	1,3-dichlorobenzene	17.57	146	6943861	182.93	ppb		96
67)	4-isopropyltoluene	17.67	119	17028406	189.18	ppb		97
68)	1,4-dichlorobenzene	17.73	146	6886169	181.46	ppb		93
69)	1,2-dichlorobenzene	18.40	146	5959733	181.42	ppb		95
70)	n-butylbenzene	18.41	91	17580927	188.41	ppb		96
71)	1,2-dibromo-3-chloropropan	19.82	75	4315762	211.44	ppb	#	46
72)	1,2,4-trichlorobenzene	21.34	180	4298247	197.36	ppb	#	82
73)	hexachlorobutadiene	21.68	225	1976996	203.79	ppb		100
74)	naphthalene	21.77	128	10645791	202.79	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.01	89	3239838	201.92	ppb	#	72
76)	1,2,3-trichlorobenzene	22.22	180	3814411	196.92	ppb		95

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070605\0706319.D Vial: 19
Acq On : 6 Jul 2005 6:29 pm Operator: RNP
Sample : VSTD200 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 18:54 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.08	73	9826223	180.39 ppb	98
78) DIPE	5.88	45	17261642	179.71 ppb	91

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

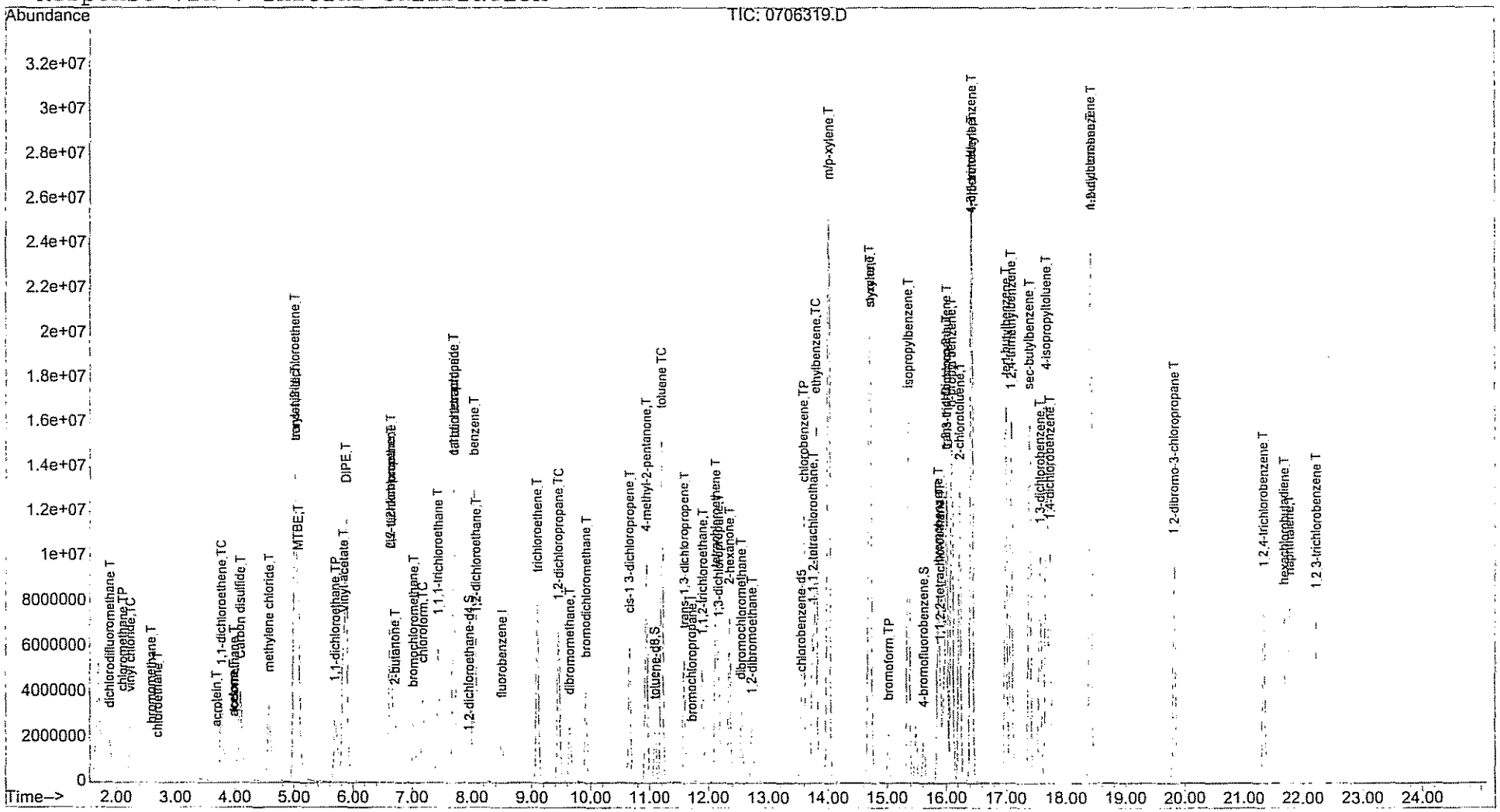
Quantitation Report

Data File : G:\1\DATA\3070605\0706319.D
Acq On : 6 Jul 2005 6:29 pm
Sample : VSTD200
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 18:54 2005

Vial: 19
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706320.D Vial: 20
Acq On : 6 Jul 2005 7:00 pm Operator: RNP
Sample : VSTD025 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 19:25 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	8.50	96	3639230	50.00	ppb		-0.01
39) bromochloropropane	11.73	79	468023	50.00	ppb		-0.01
53) chlorobenzene-d5	13.54	117	2706757	50.00	ppb		-0.01
System Monitoring Compounds							
23) 1,2-dichloroethane-d4	7.96	65	1143326	50.80	ppb		0.00
Spiked Amount 50.000			Recovery = 101.60%				
33) toluene-d8	11.10	98	2629001	49.69	ppb		-0.01
Spiked Amount 50.000			Recovery = 99.38%				
49) 4-bromofluorobenzene	15.61	95	1337166	47.75	ppb		-0.01
Spiked Amount 50.000			Recovery = 95.50%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.90	85	403924	20.39	ppb	#	83
3) chloromethane	2.11	50	650606	23.37	ppb	#	87
4) vinyl chloride	2.24	62	600927	20.39	ppb	#	84
5) bromomethane	2.61	94	141942	17.43	ppb		92
6) chloroethane	2.75	64	290113	13.12	ppb		95
7) trichlorofluoromethane	3.10	101	620459	20.56	ppb		94
8) acrolein	3.69	56	945094	1623.62	ppb	#	59
9) 1,1-dichloroethene	3.83	96	371178	19.62	ppb		86
10) acetone	3.95	43	412594	37.45	ppb		98
11) methylene chloride	4.60	84	458929	20.87	ppb		98
12) trans-1,2-dichloroethene	5.04	96	469358	19.40	ppb		95
13) acrylonitrile	5.01	53	2880837	399.91	ppb		92
14) 1,1-dichloroethane	5.71	63	862832	19.02	ppb		94
15) 2,2-dichloropropane	6.64	77	678681	19.91	ppb		91
16) cis-1,2-dichloroethene	6.66	96	462154	19.43	ppb		91
17) 2-butanone	6.71	43	817645	35.96	ppb	#	100
18) bromochloromethane	7.03	128	184929	22.24	ppb		87
19) chloroform	7.18	83	761166	19.74	ppb		93
20) 1,1,1-trichloroethane	7.45	97	654505	18.46	ppb	#	88
21) carbon tetrachloride	7.71	117	566433	18.42	ppb		98
22) 1,1-dichloropropene	7.71	75	649896	18.69	ppb		95
24) benzene	8.05	78	1961759	18.95	ppb		99
25) 1,2-dichloroethane	8.09	62	597412	22.26	ppb		98
26) trichloroethene	9.10	95	478667	19.02	ppb	#	78
27) 1,2-dichloropropane	9.46	63	498307	19.85	ppb	#	100
28) dibromomethane	9.65	93	247922	24.15	ppb	#	93
29) bromodichloromethane	9.92	83	528430	20.43	ppb	#	80
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.66	75	681665	21.42	ppb		100

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706320.D
Acq On : 6 Jul 2005 7:00 pm
Sample : VSTD025
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 19:25 2005

Vial: 20
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	1804367	31.21	ppb	#	97
34)	toluene	11.21	92	1209410	19.80	ppb		98
35)	Iodomethane	4.06	142	323469	18.74	ppb		95
36)	trans-1,3-dichloropropene	11.60	75	601025	22.28	ppb		99
37)	Vinyl acetate	5.83	86	281508	66.69	ppb	#	1
38)	Carbon disulfide	4.15	76	1313958	18.19	ppb	#	95
40)	1,1,2-trichloroethane	11.90	83	334923	24.73	ppb	#	81
41)	tetrachloroethene	12.13	166	417954	19.07	ppb		90
42)	1,3-dichloropropane	12.17	76	713142	23.64	ppb	#	82
43)	2-hexanone	12.35	43	1320847	32.39	ppb	#	95
44)	dibromochloromethane	12.55	129	361190	23.18	ppb		91
45)	1,2-dibromoethane	12.73	107	406440	25.37	ppb	#	79
46)	chlorobenzene	13.59	112	1261989	20.15	ppb		99
47)	1,1,1,2-tetrachloroethane	13.74	131	346589	20.68	ppb		95
48)	bromoform	15.03	173	252091	26.12	ppb	#	100
50)	bromobenzene	15.87	156	438281	21.38	ppb		93
51)	1,1,2,2-tetrachloroethane	15.90	83	572890	27.43	ppb	#	67
52)	1,2,3-trichloropropane	16.00	75	1411229	31.00	ppb	#	8
54)	ethylbenzene	13.80	91	2269231	19.88	ppb		97
55)	m/p-xylene	14.00	106	1658235	38.59	ppb		91
56)	styrene	14.72	104	1202909	20.62	ppb		100
57)	o-xylene	14.69	106	787673	20.12	ppb		100
58)	isopropylbenzene	15.35	105	2132951	19.74	ppb		100
59)	n-propyl benzene	16.09	91	2703061	20.08	ppb		96
60)	2-chlorotoluene	16.22	126	424226	19.76	ppb		93
61)	4-chlorotoluene	16.42	126	458921	21.14	ppb		88
62)	1,3,5-trimethylbenzene	16.42	105	1736964	19.51	ppb		97
63)	tert-butylbenzene	16.99	119	1420974	19.28	ppb		99
64)	1,2,4-trimethylbenzene	17.09	105	1755346	19.86	ppb		89
65)	sec-butylbenzene	17.39	105	2407100	19.86	ppb		99
66)	1,3-dichlorobenzene	17.56	146	842617	20.85	ppb		94
67)	4-isopropyltoluene	17.67	119	1884802	19.67	ppb		95
68)	1,4-dichlorobenzene	17.73	146	844509	20.90	ppb		90
69)	1,2-dichlorobenzene	18.40	146	733033	20.96	ppb		92
70)	n-butylbenzene	18.41	91	1933162	19.46	ppb		95
71)	1,2-dibromo-3-chloropropan	19.82	75	686365	31.58	ppb	#	45
72)	1,2,4-trichlorobenzene	21.34	180	549919	23.72	ppb		84
73)	hexachlorobutadiene	21.68	225	226538	21.93	ppb		97
74)	naphthalene	21.77	128	1626039	29.09	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	508836	29.78	ppb	#	69
76)	1,2,3-trichlorobenzene	22.22	180	513977	24.92	ppb		86

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070605\0706320.D
Acq On : 6 Jul 2005 7:00 pm
Sample : VSTD025
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 19:25 2005

Vial: 20
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77) MTBE	5.07	73	1333185	22.99	ppb		98
78) DIPE	5.87	45	2053410	20.08	ppb	#	79

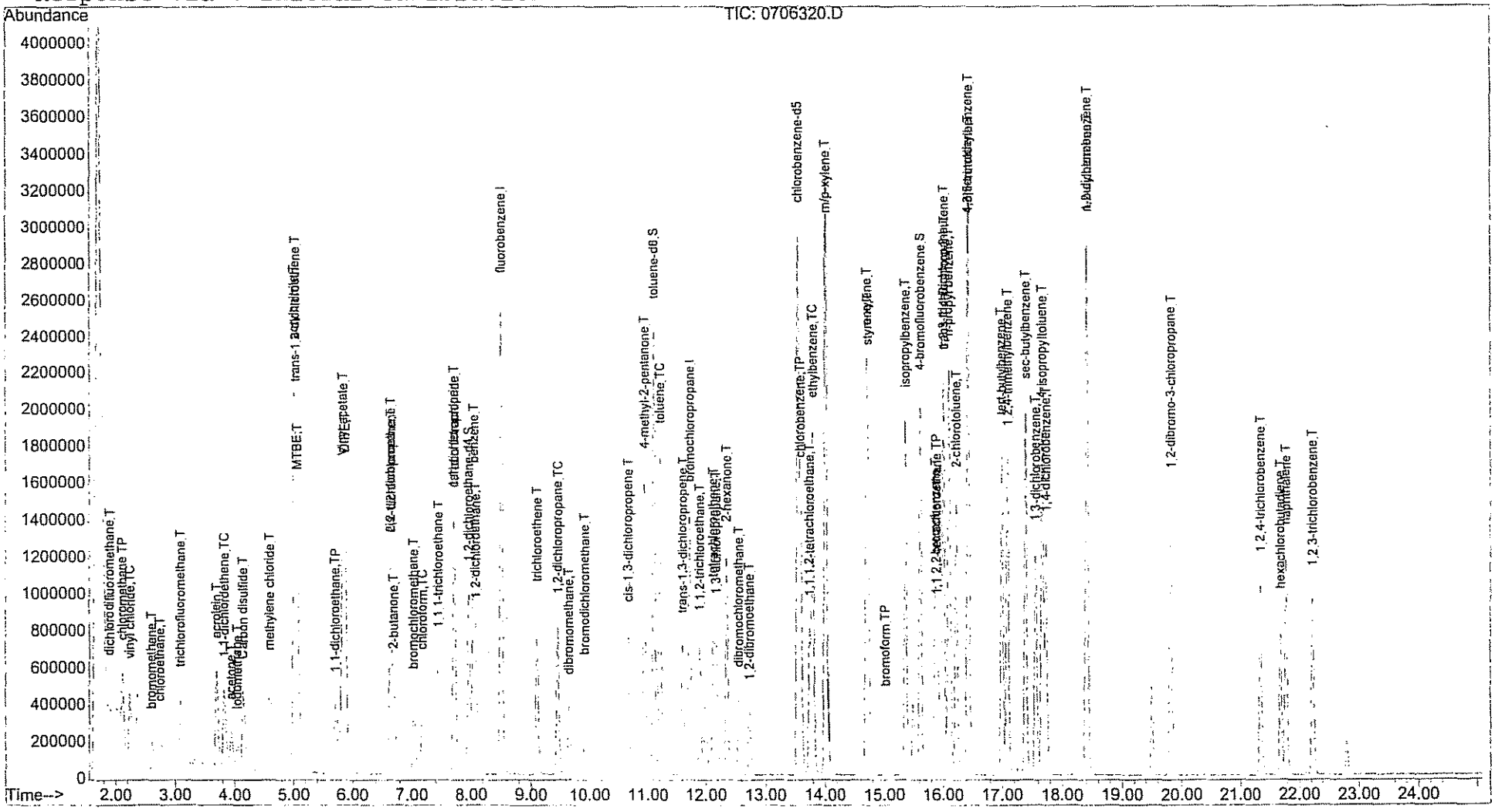
(#) = qualifier out of range (m) = manual integration

Data File : G:\1\DATA\3070605\0706320.D
Acq On : 6 Jul 2005 7:00 pm
Sample : VSTD025
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 19:25 2005

Vial: 20
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070605\0706321.D Vial: 21
Acq On : 6 Jul 2005 7:32 pm Operator: RNP
Sample : VSTD075 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 19:57 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	8.50	96	3474524	50.00	ppb		0.00
39) bromochloropropane	11.72	79	438982	50.00	ppb		-0.02
53) chlorobenzene-d5	13.54	117	2643964	50.00	ppb		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane-d4	7.95	65	1046882	48.72	ppb		0.00
Spiked Amount 50.000			Recovery	=	97.44%		
33) toluene-d8	11.10	98	2540904	50.30	ppb		0.00
Spiked Amount 50.000			Recovery	=	100.60%		
49) 4-bromofluorobenzene	15.61	95	1319971	50.25	ppb		0.00
Spiked Amount 50.000			Recovery	=	100.50%		
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.89	85	1144735	60.52	ppb	#	87
3) chloromethane	2.12	50	1678923	63.18	ppb	#	86
4) vinyl chloride	2.23	62	1715262	60.97	ppb	#	90
5) bromomethane	2.61	94	426403	64.35	ppb		100
6) chloroethane	2.72	64	339717	29.06	ppb	#	83
7) trichlorofluoromethane	3.05	101	1788547	62.07	ppb		95
8) acrolein	3.69	56	2179289	4630.48	ppb	#	58
9) 1,1-dichloroethene	3.81	96	1162489	64.38	ppb		90
10) acetone	3.95	43	972927	107.89	ppb		95
11) methylene chloride	4.59	84	1515886	72.21	ppb		95
12) trans-1,2-dichloroethene	5.03	96	1526265	66.07	ppb		93
13) acrylonitrile	5.01	53	7398937	1075.79	ppb		91
14) 1,1-dichloroethane	5.71	63	2848199	65.75	ppb		93
15) 2,2-dichloropropane	6.63	77	2215884	68.07	ppb		95
16) cis-1,2-dichloroethene	6.65	96	1585764	69.82	ppb		90
17) 2-butanone	6.71	43	2358796	108.64	ppb	#	100
18) bromochloromethane	7.02	128	619397	78.02	ppb	#	79
19) chloroform	7.18	83	2535907	68.88	ppb		96
20) 1,1,1-trichloroethane	7.44	97	2183464	64.49	ppb	#	88
21) carbon tetrachloride	7.70	117	1900866	64.74	ppb		100
22) 1,1-dichloropropene	7.71	75	2127307	64.09	ppb	#	94
24) benzene	8.04	78	6368173	64.44	ppb		100
25) 1,2-dichloroethane	8.08	62	1976528	77.14	ppb		98
26) trichloroethene	9.09	95	1571027	65.37	ppb		88
27) 1,2-dichloropropane	9.45	63	1668411	69.60	ppb	#	100
28) dibromomethane	9.65	93	833824	85.06	ppb	#	96
29) bromodichloromethane	9.92	83	1818320	73.62	ppb	#	83
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.66	75	2282419	75.11	ppb		99

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070605\0706321.D
Acq On : 6 Jul 2005 7:32 pm
Sample : VSTD075
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 19:57 2005

Vial: 21
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	5385490	97.58	ppb	#	97
34)	toluene	11.20	92	3931599	67.42	ppb		97
35)	Iodomethane	4.03	142	1108483	67.27	ppb		94
36)	trans-1,3-dichloropropene	11.60	75	2004884	77.84	ppb		100
37)	Vinyl acetate	5.83	86	808377	200.57	ppb	#	1
38)	Carbon disulfide	4.13	76	4199734	60.88	ppb	#	95
40)	1,1,2-trichloroethane	11.89	83	1060692	83.51	ppb	#	74
41)	tetrachloroethene	12.12	166	1411432	68.68	ppb		92
42)	1,3-dichloropropane	12.17	76	2296769	81.19	ppb	#	84
43)	2-hexanone	12.35	43	3962630	103.61	ppb	#	96
44)	dibromochloromethane	12.55	129	1197634	81.95	ppb		91
45)	1,2-dibromoethane	12.73	107	1318134	87.71	ppb	#	76
46)	chlorobenzene	13.59	112	4141504	70.50	ppb		99
47)	1,1,1,2-tetrachloroethane	13.74	131	1120435	71.27	ppb		96
48)	bromoform	15.03	173	840346	89.33	ppb	#	100
50)	bromobenzene	15.86	156	1414704	73.59	ppb		95
51)	1,1,2,2-tetrachloroethane	15.91	83	1802244	92.00	ppb	#	62
52)	1,2,3-trichloropropane	16.01	75	4475633	99.95	ppb	#	9
54)	ethylbenzene	13.80	91	7565913	67.87	ppb		99
55)	m/p-xylene	14.00	106	5546122	132.13	ppb		96
56)	styrene	14.72	104	3970043	69.67	ppb		100
57)	o-xylene	14.69	106	2598711	67.95	ppb		99
58)	isopropylbenzene	15.35	105	7079804	67.08	ppb		99
59)	n-propyl benzene	16.09	91	9031117	68.68	ppb		96
60)	2-chlorotoluene	16.22	126	1419469	67.68	ppb		96
61)	4-chlorotoluene	16.42	126	1455179	68.63	ppb		93
62)	1,3,5-trimethylbenzene	16.42	105	5817047	66.87	ppb		96
63)	tert-butylbenzene	16.99	119	4793015	66.59	ppb		95
64)	1,2,4-trimethylbenzene	17.08	105	5832611	67.54	ppb		93
65)	sec-butylbenzene	17.40	105	7983085	67.43	ppb		100
66)	1,3-dichlorobenzene	17.56	146	2754776	69.78	ppb		95
67)	4-isopropyltoluene	17.67	119	6310910	67.41	ppb		92
68)	1,4-dichlorobenzene	17.73	146	2828232	71.66	ppb		93
69)	1,2-dichlorobenzene	18.39	146	2526191	73.94	ppb		93
70)	n-butylbenzene	18.41	91	6522485	67.21	ppb		99
71)	1,2-dibromo-3-chloropropan	19.81	75	2102700	99.05	ppb	#	50
72)	1,2,4-trichlorobenzene	21.34	180	1780917	78.63	ppb		85
73)	hexachlorobutadiene	21.68	225	696122	68.99	ppb		94
74)	naphthalene	21.77	128	4961044	90.86	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.01	89	1612937	96.66	ppb	#	74
76)	1,2,3-trichlorobenzene	22.23	180	1633037	81.06	ppb		93

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070605\0706321.D Vial: 21
Acq On : 6 Jul 2005 7:32 pm Operator: RNP
Sample : VSTD075 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 6 19:57 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.07	73	4444090	78.44 ppb	97
78) DIPE	5.87	45	6822217	68.29 ppb	93

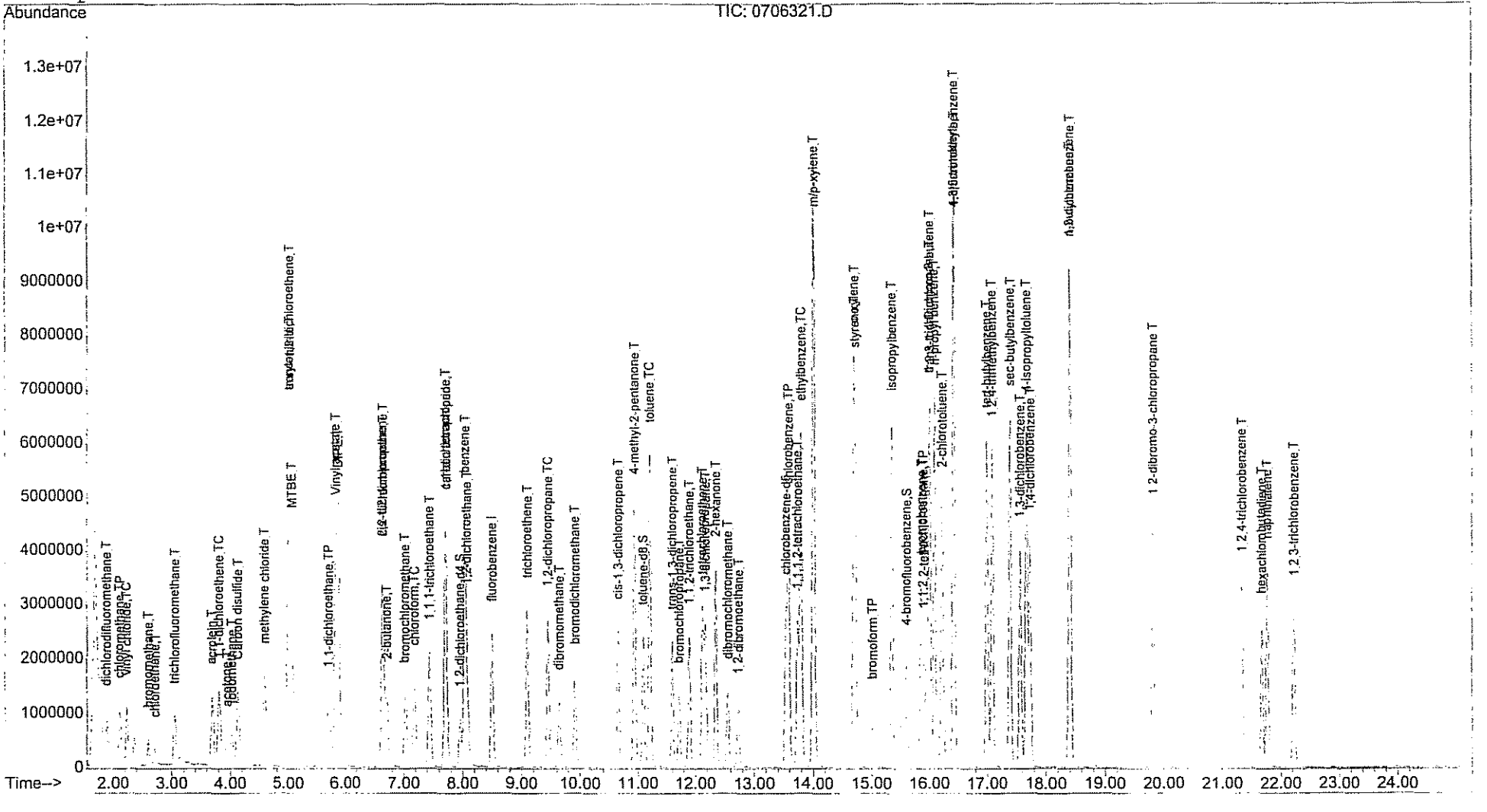
(#) = qualifier out of range (m) = manual integration

Data File : G:\1\DATA\3070605\0706321.D
Acq On : 6 Jul 2005 7:32 pm
Sample : VSTD075
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 6 19:57 2005

Vial: 21
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

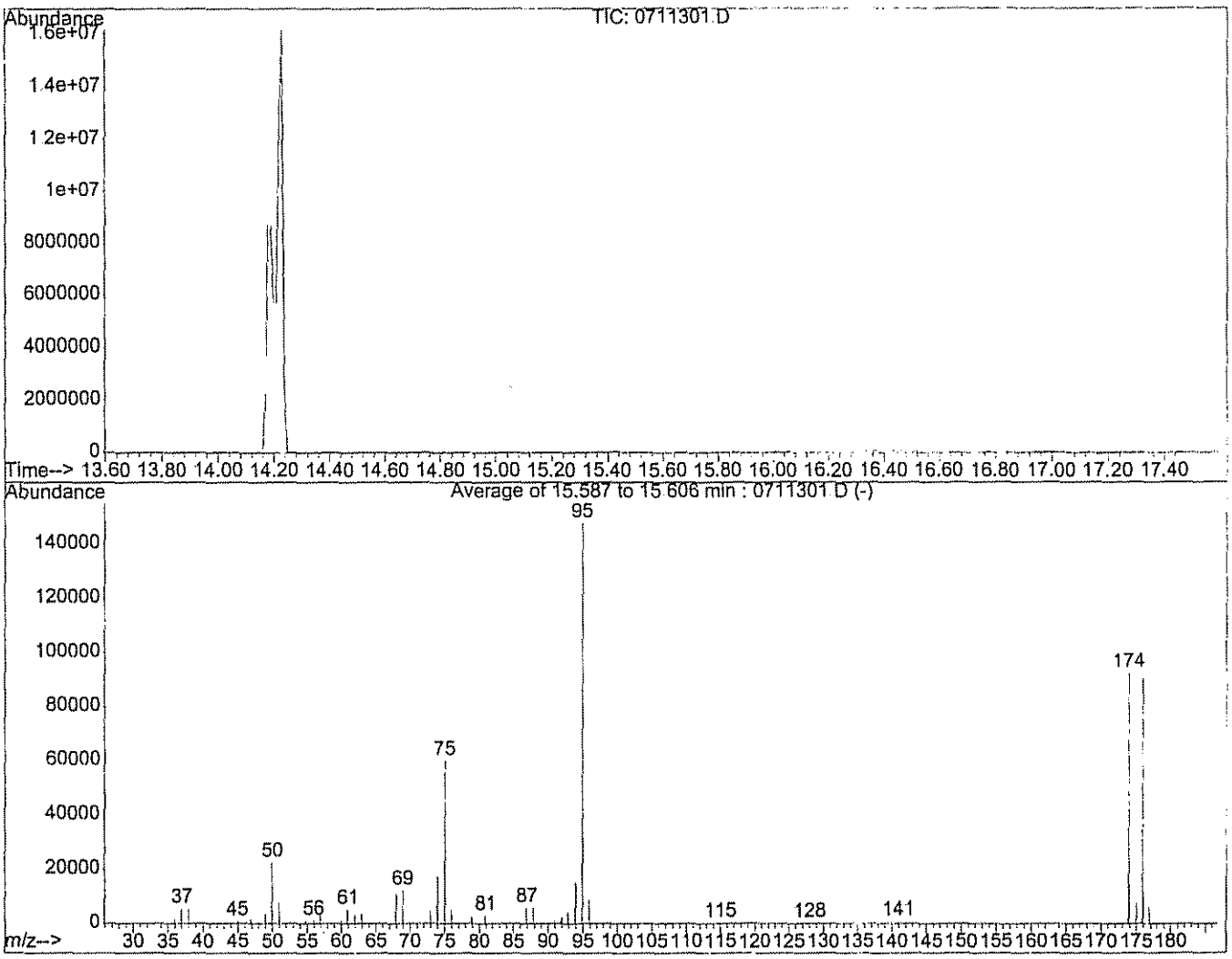
Method : G:\1\DATA\3070705\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration



BFB

Data File : G:\1\DATA\3071105\0711301.D
Acq On : 11 Jul 2005 10:05 am
Sample : bfb 50ng
Misc :
MS Integration Params: rteint.p
Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX

Vial: 1
Operator: JTF
Inst : MSD3
Multiplr: 1.00



Spectrum Information: Average of 15.587 to 15.606 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.3	22661	PASS
75	95	30	60	40.6	60053	PASS
95	95	100	100	100.0	147941	PASS
96	95	5	9	6.1	9061	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	62.4	92355	PASS
175	174	5	9	7.9	7313	PASS
176	174	95	101	97.6	90141	PASS
177	176	5	9	6.9	6262	PASS

0711301.D 8260SSC.M Thu Jul 14 07:47:18 2005 X

Response Factor Report MSD3

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration

Calibration Files
5 =0711311.D 4 =0711310.D 3 =0711309.D
2 =0711308.D 1 =0711306.D 6 =0711307.D

		Compound	5	4	3	2	1	6	Avg	%RSD
1)	I	fluorobenzene	----------ISTD----------							
2)	T	dichlorodifluoromet	0.887	0.969	0.961	0.826	0.663	0.736	0.840	14.66
3)	TP	chloromethane	0.750	0.762	0.739	0.658	0.547	0.628	0.680	12.47
4)	TC	vinyl chloride	0.823	0.882	0.859	0.742	0.660	0.691	0.776	11.84
5)	T	bromomethane		0.286	0.315	0.285	0.242	0.312	0.288	10.18
6)	T	chloroethane	0.336	0.396	0.392	0.355	0.328	0.326	0.356	8.89
7)	T	trichlorofluorometh	0.805	0.884	0.864	0.738	0.617	0.639	0.758	14.89
8)	T	acrolein	0.017	0.017	0.016	0.018	0.016	0.015	0.016	5.82
9)	TC	1,1-dichloroethene	0.459	0.509	0.463	0.435	0.526	0.565	0.493	9.91
10)	T	acetone	0.173		0.178	0.161	0.320	0.185	0.203	32.31
11)	T	methylene chloride	0.365	0.394	0.382	0.422	0.772	0.597	0.489	33.26
12)	T	trans-1,2-dichloroe	0.541	0.599	0.555	0.516	0.607	0.637	0.576	7.91
13)	T	acrylonitrile	0.059	0.059	0.054	0.057	0.050	0.048	0.054	8.69
14)	TP	1,1-dichloroethane	0.888	0.966	0.890	0.858	1.026	1.032	0.944	8.00
15)	T	2,2-dichloropropane	0.825	0.874	0.821	0.773	0.935	0.962	0.865	8.40
16)	T	cis-1,2-dichloroeth	0.451	0.485	0.450	0.439	0.559	0.520	0.484	9.79
17)	T	2-butanone	0.270		0.263	0.226	0.439	0.244	0.288	29.83
18)	T	bromochloromethane	0.119	0.125	0.117	0.118	0.150	0.129	0.126	9.78
19)	TC	chloroform	0.720	0.768	0.706	0.685	0.901	0.833	0.769	10.85
20)	T	1,1,1-trichloroetha	0.788	0.884	0.812	0.759	0.870	0.914	0.838	7.21
21)	T	carbon tetrachlorid	0.725	0.808	0.736	0.689	0.815	0.827	0.767	7.49
22)	T	1,1-dichloropropene	0.798	0.890	0.826	0.772	0.922	0.950	0.860	8.30
23)	S	1,2-dichloroethane-	0.147	0.153	0.148	0.159	0.161	0.148	0.153	3.93
24)	T	benzene	1.987	2.143	2.013	1.948	2.636	2.424	2.192	12.69
25)	T	1,2-dichloroethane	0.317	0.333	0.304	0.302	0.404	0.332	0.332	11.31
26)	T	trichloroethene	0.535	0.581	0.560	0.525	0.653	0.619	0.579	8.57
27)	TC	1,2-dichloropropane	0.398	0.425	0.399	0.394	0.549	0.470	0.439	13.84
28)	T	dibromomethane	0.123	0.127	0.113	0.124	0.170	0.129	0.131	15.26
29)	T	bromodichloromethan	0.393	0.416	0.381	0.382	0.544	0.451	0.428	14.68
30)	T	2-chloroethyl vinyl		0.220	0.243	0.240	0.187	0.209	0.220	10.55
31)	T	cis-1,3-dichloropro	0.470	0.485	0.446	0.455	0.704	0.520	0.513	18.92
32)	T	4-methyl-2-pentanon	0.397	0.413	0.384	0.396	0.729	0.421	0.457	29.37
33)	S	toluene-d8	0.743	0.709	0.714	0.722	0.719	0.714	0.720	1.69
34)	TC	toluene	1.252	1.327	1.234	1.184	1.694	1.454	1.357	13.99
35)	T	Iodomethane	0.579	0.631	0.588	0.538	0.636	0.663	0.606	7.54
36)	T	trans-1,3-dichlorop	0.328	0.329	0.302	0.315	0.492	0.353	0.353	19.83
37)	T	Vinyl acetate	0.042	0.044	0.032	0.039	0.049	0.044	0.042	13.28
38)	T	Carbon disulfide	1.652	1.822	1.737	1.585	1.851	2.042	1.781	9.11
39)	I	bromochloropropane	----------ISTD----------							
40)	T	1,1,2-trichloroetha	1.827		1.715	1.687	2.544	1.853	1.925	18.34
41)	T	tetrachloroethene	6.212	6.372	6.030	5.523	6.768	6.839	6.291	7.78
42)	T	1,3-dichloropropane	3.960	3.895	3.635	3.626	5.441	4.289	4.141	16.47

(#) = Out of Range

Response Factor Report MSD3

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration

Calibration Files
5 =0711311.D 4 =0711310.D 3 =0711309.D
2 =0711308.D 1 =0711306.D 6 =0711307.D

		Compound	5	4	3	2	1	6	Avg	%RSD
43)	T	2-hexanone	4.224		3.844	3.389	6.496	3.801	4.351	28.39
44)	T	dibromochloromethan	2.216	2.193	2.015	1.855	3.295	2.244	2.303	22.07
45)	T	1,2-dibromoethane	1.881	1.839	1.687	1.634	2.440	1.973	1.909	15.12
46)	TP	chlorobenzene	1.267	1.249	1.182	1.150	1.705	1.418	1.329	E1 15.5
47)	T	1,1,1,2-tetrachloro	3.109	3.101	2.947	2.886	4.427	3.382	3.309	17.36
48)	TP	bromoform	1.151	1.127	1.025	0.962	0.813	0.036	0.852	49.06
49)	S	4-bromofluorobenzen	3.148	2.906	2.929	3.049	2.838	3.007	2.979	3.74
50)	T	bromobenzene	3.412	3.225	3.097	3.045	4.949	3.624	3.559	20.06
51)	TP	1,1,2,2-tetrachloro	2.146	2.091	1.876	1.959	3.099	2.079	2.208	20.25
52)	T	1,2,3-trichloroprop	0.173	0.193	0.186	0.141	0.330	0.292	0.219	34.00
53)		chlorobenzene-d5	----------ISTD----------							
54)	TC	ethylbenzene	3.808	4.080	3.769	3.507	5.591	4.300	4.176	17.84
55)	T	m/p-xylene	1.314	1.413	1.319	1.254	1.980	1.516	1.466	18.28
56)	T	styrene	1.466	1.525	1.426	1.394	2.316	1.680	1.634	21.35
57)	T	o-xylene	1.117	1.191	1.131	1.061	1.748	1.310	1.260	20.14
58)	T	isopropylbenzene	3.619	3.882	3.545	3.353	5.572	4.000	3.995	20.20
59)	T	n-propyl benzene	4.540	4.617	4.351	4.066	6.969	4.931	4.912	21.33
60)	T	2-chlorotoluene	0.589	0.606	0.573	0.555	0.954	0.647	0.654	22.98
61)	T	4-chlorotoluene	0.561	0.567	0.538	0.542	0.896	0.654	0.627	22.15
62)	T	1,3,5-trimethylbenz	2.649	2.703	2.537	2.446	4.142	2.933	2.902	21.71
63)	T	tert-butylbenzene	2.389	2.480	2.315	2.212	3.807	2.645	2.641	22.34
64)	T	1,2,4-trimethylbenz	2.399	2.376	2.273	2.173	3.829	2.664	2.619	23.49
65)	T	sec-butylbenzene	4.057	4.101	3.855	3.606	6.263	4.345	4.371	21.95
66)	T	1,3-dichlorobenzene	0.919	0.886	0.860	0.864	1.590	1.048	1.028	27.62
67)	T	4-isopropyltoluene	2.942	2.901	2.768	2.659	4.590	3.189	3.175	22.56
68)	T	1,4-dichlorobenzene	0.857	0.820	0.801	0.794	1.415	0.974	0.943	25.47
69)	T	1,2-dichlorobenzene	0.670	0.655	0.630	0.632	1.153	0.774	0.752	27.02
70)	T	n-butylbenzene	3.023	2.821	2.656	2.591	4.708	3.157	3.159	24.95
71)	T	1,2-dibromo-3-chlor	0.041	0.038	0.037	0.041	0.076	0.045	0.046	32.05
72)	T	1,2,4-trichlorobenz	0.403		0.320	0.372	0.692	0.454	0.448	32.24
73)	T	hexachlorobutadiene	0.289	0.254	0.251	0.261	0.189	0.297	0.257	14.92
74)	T	naphthalene		0.397	0.418	0.488	0.970	0.636	0.582	40.62
75)	T	trans-1,4-Dichloro-	0.041	0.040	0.038	0.038	0.062	0.039	0.043	21.89
76)	T	1,2,3-trichlorobenz		0.235	0.236	0.282	0.525	0.346	0.325	37.16
77)	T	MTBE	1.005	1.094	1.017	1.011	1.263	1.163	1.092	9.50
78)	T	DIPE	2.456	2.749	2.474	2.407	3.149	2.820	2.676	10.72

(#) = Out of Range

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071105\0711306.D
Acq On : 11 Jul 2005 1:16 pm
Sample : vstd5
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 6
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	8.49	96	1262711	50.00	ppb		0.00
39) bromochloropropane	11.71	79	121829	50.00	ppb		0.00
53) chlorobenzene-d5	13.53	117	808023	50.00	ppb		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane-d4	7.95	65	202997	52.66	ppb		0.00
Spiked Amount 50.000			Recovery	=	105.32%		
33) toluene-d8	11.08	98	907485	49.91	ppb		0.00
Spiked Amount 50.000			Recovery	=	99.82%		
49) 4-bromofluorobenzene	15.60	95	345751	47.63	ppb		0.00
Spiked Amount 50.000			Recovery	=	95.26%		
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.89	85	83738	3.29	ppb		100
3) chloromethane	2.10	50	69032	5.12	ppb		99
4) vinyl chloride	2.23	62	83302	4.17	ppb		98
5) bromomethane	2.64	94	30577	4.20	ppb		91
6) chloroethane	2.77	64	41381	1.51	ppb		91
7) trichlorofluoromethane	3.10	101	77880	4.07	ppb		100
8) acrolein	3.68	56	20373	48.96	ppb	#	49
9) 1,1-dichloroethene	3.83	96	66394	5.33	ppb		94
10) acetone	3.93	43	40384	7.89	ppb		100
11) methylene chloride	4.59	84	97436	5.16	ppb		88
12) trans-1,2-dichloroethene	5.03	96	76645	5.27	ppb		90
13) acrylonitrile	4.99	53	63309	46.06	ppb		97
14) 1,1-dichloroethane	5.70	63	129616	5.44	ppb		96
15) 2,2-dichloropropane	6.62	77	118020	5.40	ppb		94
16) cis-1,2-dichloroethene	6.64	96	70613	5.78	ppb		95
17) 2-butanone	6.69	43	55386	8.63	ppb		96
18) bromochloromethane	7.02	128	18887	5.92	ppb		89
19) chloroform	7.17	83	113741	5.86	ppb		99
20) 1,1,1-trichloroethane	7.43	97	109889	5.19	ppb		97
21) carbon tetrachloride	7.70	117	102961	5.32	ppb		89
22) 1,1-dichloropropene	7.71	75	116360	5.36	ppb		98
24) benzene	8.03	78	332903	6.01	ppb		99
25) 1,2-dichloroethane	8.07	62	50964	6.08	ppb		99
26) trichloroethene	9.09	95	82417	5.64	ppb		97
27) 1,2-dichloropropane	9.44	63	69318	6.25	ppb	#	90
28) dibromomethane	9.64	93	21515	6.74	ppb		81
29) bromodichloromethane	9.91	83	68669	6.36	ppb		92
30) 2-chloroethyl vinyl ether	10.44	106	23600	4.25	ppb		99
31) cis-1,3-dichloropropene	10.65	75	88908	6.85	ppb		97

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071105\0711306.D Vial: 6
Acq On : 11 Jul 2005 1:16 pm Operator: JTF
Sample : vstd5 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.92	43	92074	7.77	ppb	#	91
34)	toluene	11.20	92	213947	6.24	ppb		98
35)	Iodomethane	4.04	142	80335	5.25	ppb		99
36)	trans-1,3-dichloropropene	11.58	75	62070	7.50	ppb		98
37)	Vinyl acetate	5.82	86	15392	14.64	ppb		86
38)	Carbon disulfide	4.14	76	233775	5.20	ppb		97
40)	1,1,2-trichloroethane	11.89	83	30996	7.40	ppb		97
41)	tetrachloroethene	12.11	166	82452	5.38	ppb		94
42)	1,3-dichloropropane	12.16	76	66287	7.50	ppb		99
43)	2-hexanone	12.33	43	79141	9.19	ppb	#	96
44)	dibromochloromethane	12.54	129	40141	8.52	ppb		88
45)	1,2-dibromoethane	12.72	107	29729	7.81	ppb		95
46)	chlorobenzene	13.57	112	207753	7.16	ppb		96
47)	1,1,1,2-tetrachloroethane	13.72	131	53938	7.17	ppb		98
48)	bromoform	15.01	173	9901	8.69	ppb	#	31
50)	bromobenzene	15.85	156	60297	8.42	ppb		85
51)	1,1,2,2-tetrachloroethane	15.88	83	37755	8.59	ppb	#	94
52)	1,2,3-trichloropropane	16.06	75	4023	5.51	ppb	#	1
54)	ethylbenzene	13.78	91	451738	6.15	ppb		99
55)	m/p-xylene	13.99	106	319964	11.73	ppb		98
56)	styrene	14.70	104	187163	6.81	ppb		100
57)	o-xylene	14.68	106	141230	6.06	ppb		97
58)	isopropylbenzene	15.34	105	450227	6.53	ppb		97
59)	n-propyl benzene	16.08	91	563136	7.45	ppb		100
60)	2-chlorotoluene	16.21	126	77087	7.25	ppb		97
61)	4-chlorotoluene	16.40	126	72434	7.12	ppb		89
62)	1,3,5-trimethylbenzene	16.40	105	334674	7.33	ppb		99
63)	tert-butylbenzene	16.98	119	304992	7.07	ppb		98
64)	1,2,4-trimethylbenzene	17.06	105	309385	7.92	ppb		96
65)	sec-butylbenzene	17.38	105	506055	7.70	ppb		98
66)	1,3-dichlorobenzene	17.56	146	128441	8.49	ppb		99
67)	4-isopropyltoluene	17.66	119	370881	7.97	ppb		96
68)	1,4-dichlorobenzene	17.71	146	114298	8.39	ppb		98
69)	1,2-dichlorobenzene	18.38	146	93172	8.26	ppb		96
70)	n-butylbenzene	18.40	91	380399	9.43	ppb		93
71)	1,2-dibromo-3-chloropropan	19.80	75	30600	47.68	ppb		89
72)	1,2,4-trichlorobenzene	21.32	180	55893	9.77	ppb		82
73)	hexachlorobutadiene	21.66	225	15232	3.67	ppb		96
74)	naphthalene	21.76	128	78345	5.92	ppb		100
75)	trans-1,4-Dichloro-2-buten	15.98	89	25038	42.01	ppb		84
76)	1,2,3-trichlorobenzene	22.21	180	42413	6.19	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071105\0711306.D Vial: 6
Acq On : 11 Jul 2005 1:16 pm Operator: JTF
Sample : vstd5 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77) MTBE	5.06	73	102022	5.78	ppb	#	88
78) DIPE	5.86	45	254465	5.88	ppb		98

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

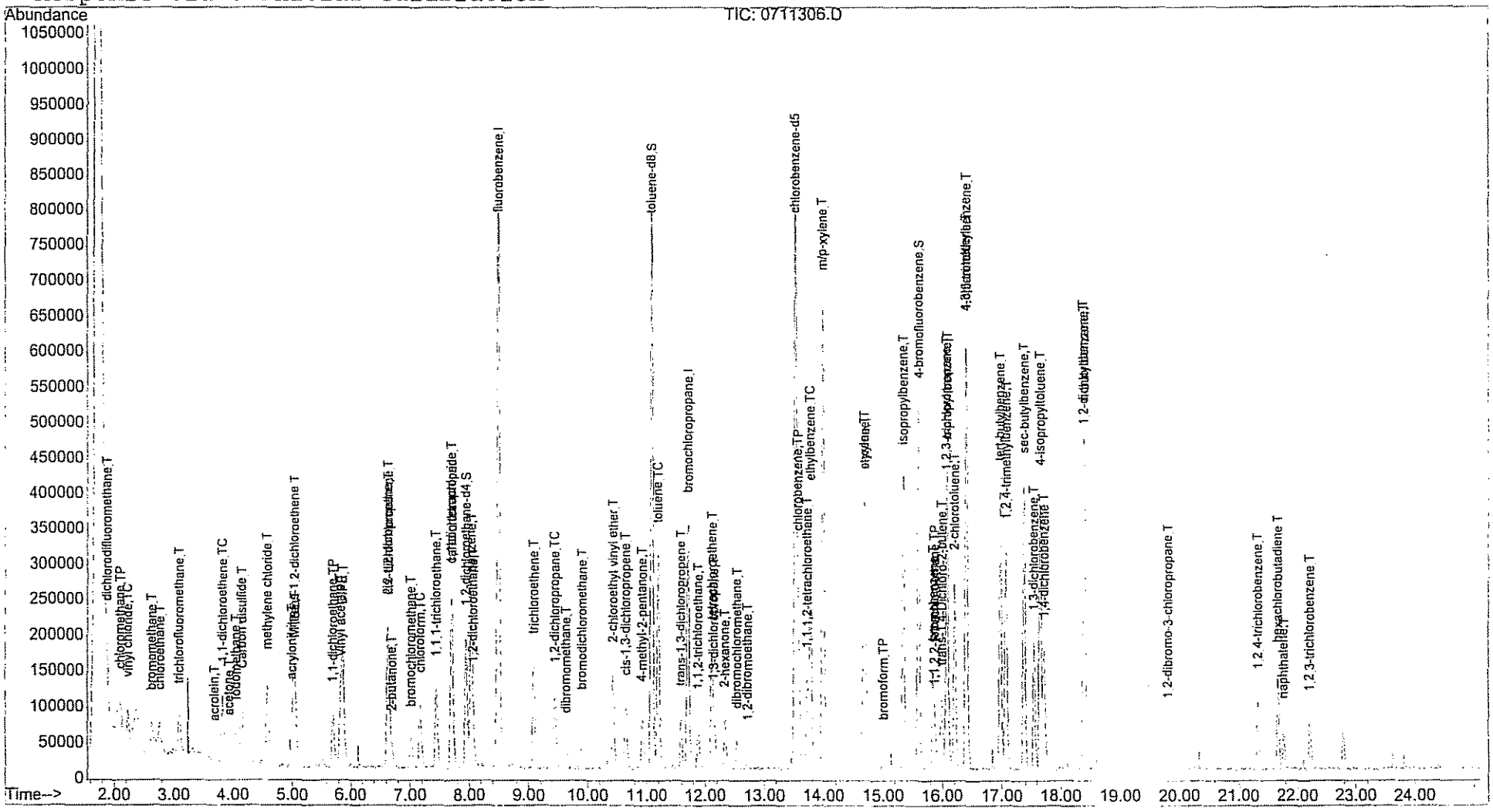
Quantitation Report

Data File : G:\1\DATA\3071105\0711306.D
Acq On : 11 Jul 2005 1:16 pm
Sample : vstd5
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 6
Operator: JTF
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071105\0711307.D
Acq On : 11 Jul 2005 1:47 pm
Sample : vstd10
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 7
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.49	96	1067591	50.00	ppb	0.00
39) bromochloropropane	11.70	79	92768	50.00	ppb	-0.01
53) chlorobenzene-d5	13.53	117	667827	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.95	65	157822	48.43	ppb	0.00
Spiked Amount 50.000			Recovery	=	96.86%	
33) toluene-d8	11.08	98	762073	49.57	ppb	0.00
Spiked Amount 50.000			Recovery	=	99.14%	
49) 4-bromofluorobenzene	15.60	95	278976	50.47	ppb	0.00
Spiked Amount 50.000			Recovery	=	100.94%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.90	85	157125	7.77	ppb		95
3) chloromethane	2.10	50	133990	9.79	ppb	#	97
4) vinyl chloride	2.23	62	147506	8.49	ppb		98
5) bromomethane	2.64	94	66632	10.83	ppb		88
6) chloroethane	2.76	64	69645	6.25	ppb		93
7) trichlorofluoromethane	3.10	101	136538	8.44	ppb		91
8) acrolein	3.69	56	32535	92.48	ppb		84
9) 1,1-dichloroethene	3.82	96	120710	11.47	ppb		98
10) acetone	3.94	43	39421	9.33	ppb		97
11) methylene chloride	4.59	84	127573	11.08	ppb		94
12) trans-1,2-dichloroethene	5.03	96	135942	11.05	ppb		90
13) acrylonitrile	4.99	53	101952	87.73	ppb		96
14) 1,1-dichloroethane	5.70	63	220426	10.94	ppb		96
15) 2,2-dichloropropane	6.63	77	205380	11.12	ppb		99
16) cis-1,2-dichloroethene	6.64	96	111022	10.74	ppb		95
17) 2-butanone	6.70	43	52033	9.54	ppb		100
18) bromochloromethane	7.02	128	27558	10.22	ppb		86
19) chloroform	7.17	83	177903	10.84	ppb		93
20) 1,1,1-trichloroethane	7.44	97	195157	10.91	ppb		98
21) carbon tetrachloride	7.70	117	176646	10.79	ppb		100
22) 1,1-dichloropropene	7.70	75	202893	11.05	ppb		94
24) benzene	8.04	78	517564	11.06	ppb		99
25) 1,2-dichloroethane	8.07	62	70843	10.00	ppb	#	95
26) trichloroethene	9.08	95	132214	10.70	ppb		95
27) 1,2-dichloropropane	9.45	63	100274	10.69	ppb	#	97
28) dibromomethane	9.62	93	27474	10.26	ppb	#	35
29) bromodichloromethane	9.91	83	96383	10.55	ppb		97
30) 2-chloroethyl vinyl ether	10.42	106	44618	9.51	ppb		97
31) cis-1,3-dichloropropene	10.65	75	111033	10.42	ppb		97

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071105\0711307.D Vial: 7
Acq On : 11 Jul 2005 1:47 pm Operator: JTF
Sample : vstd10 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.93	43	89797	9.18	ppb	#	90
34)	toluene	11.19	92	310478	10.71	ppb		93
35)	Iodomethane	4.05	142	141531	10.94	ppb		100
36)	trans-1,3-dichloropropene	11.59	75	75420	10.79	ppb		90
37)	Vinyl acetate	5.82	86	23241	26.15	ppb		80
38)	Carbon disulfide	4.14	76	435953	11.46	ppb		98
40)	1,1,2-trichloroethane	11.88	83	34385	10.58	ppb	#	74
41)	tetrachloroethene	12.11	166	126891	10.87	ppb		97
42)	1,3-dichloropropane	12.16	76	79571	11.47	ppb		90
43)	2-hexanone	12.34	43	70520	10.50	ppb		95
44)	dibromochloromethane	12.54	129	41629	11.21	ppb		93
45)	1,2-dibromoethane	12.71	107	36613	11.82	ppb		90
46)	chlorobenzene	13.58	112	263094	11.64	ppb		97
47)	1,1,1,2-tetrachloroethane	13.73	131	62753	10.94	ppb		91
48)	bromoform	15.02	173	12982	11.17	ppb	#	85
50)	bromobenzene	15.84	156	67229	11.81	ppb		96
51)	1,1,2,2-tetrachloroethane	15.88	83	38571	11.06	ppb	#	91
52)	1,2,3-trichloropropane	16.09	75	5426	12.89	ppb	#	6
54)	ethylbenzene	13.78	91	574358	10.08	ppb		99
55)	m/p-xylene	13.99	106	404936	19.72	ppb		99
56)	styrene	14.71	104	224348	10.37	ppb		100
57)	o-xylene	14.68	106	174904	9.96	ppb		95
58)	isopropylbenzene	15.34	105	534277	9.87	ppb		98
59)	n-propyl benzene	16.08	91	658564	10.64	ppb		99
60)	2-chlorotoluene	16.21	126	86474	10.14	ppb		91
61)	4-chlorotoluene	16.41	126	87363	10.82	ppb		96
62)	1,3,5-trimethylbenzene	16.41	105	391733	10.59	ppb		99
63)	tert-butylbenzene	16.98	119	353347	10.25	ppb		95
64)	1,2,4-trimethylbenzene	17.07	105	355873	11.06	ppb		97
65)	sec-butylbenzene	17.38	105	580388	10.69	ppb		99
66)	1,3-dichlorobenzene	17.55	146	140005	11.28	ppb		98
67)	4-isopropyltoluene	17.65	119	425948	11.03	ppb		96
68)	1,4-dichlorobenzene	17.72	146	130061	11.53	ppb		96
69)	1,2-dichlorobenzene	18.38	146	103335	11.23	ppb		94
70)	n-butylbenzene	18.40	91	421630	12.11	ppb		94
71)	1,2-dibromo-3-chloropropan	19.80	75	30305	57.04	ppb		87
72)	1,2,4-trichlorobenzene	21.33	180	60622	12.46	ppb		87
73)	hexachlorobutadiene	21.66	225	39626	11.56	ppb		91
74)	naphthalene	21.76	128	84902	10.01	ppb		100
75)	trans-1,4-Dichloro-2-buten	15.99	89	26078	51.83	ppb	#	71
76)	1,2,3-trichlorobenzene	22.20	180	46197	9.98	ppb		91

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071105\0711307.D
Acq On : 11 Jul 2005 1:47 pm
Sample : vstd10
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 7
Operator: JTF
Inst : MSD3
Multiplr: 1.00
Quant Results File: 8260SSC.RES

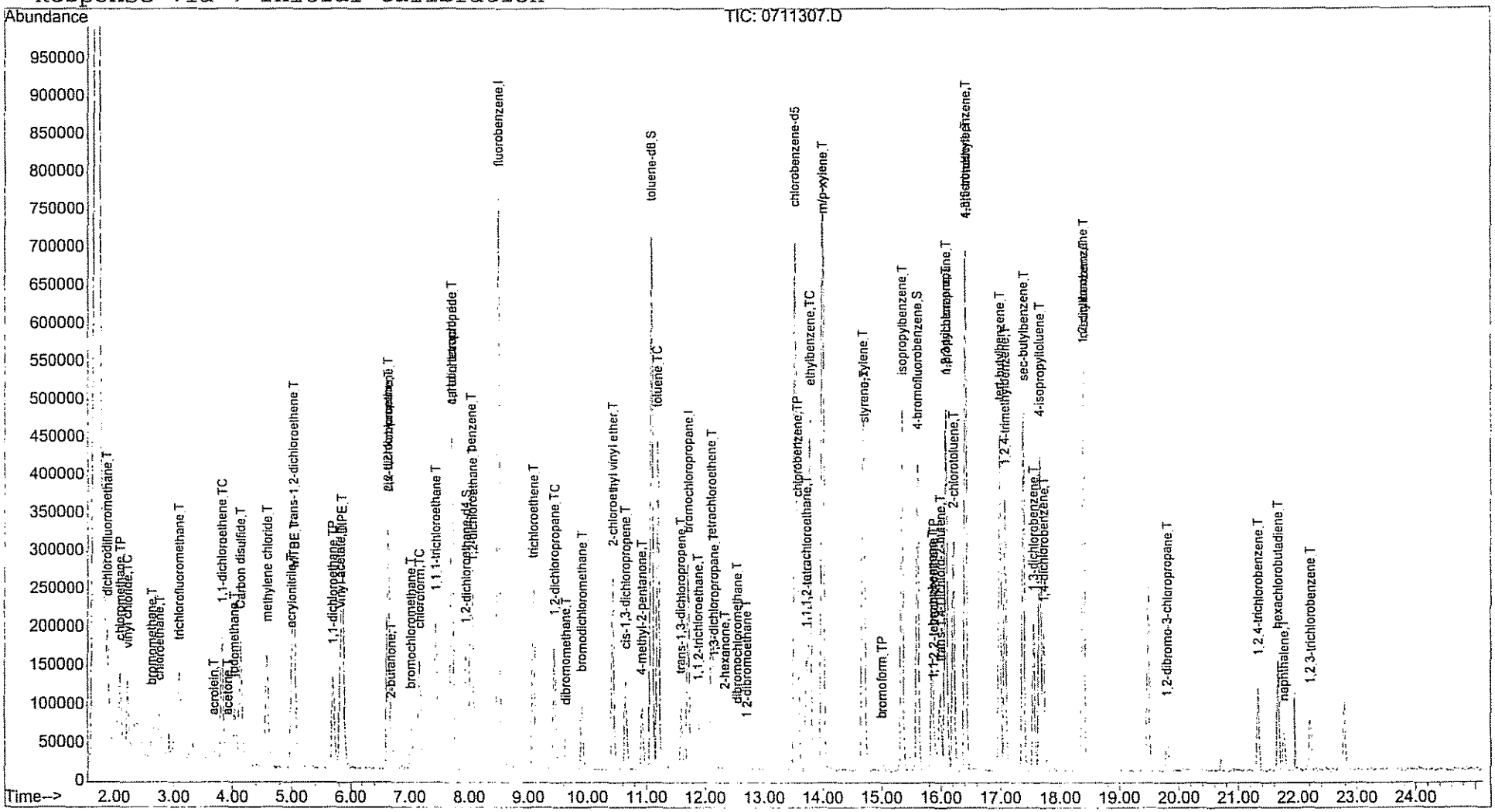
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.06	73	155326	10.65 ppb	98
78) DIPE	5.86	45	376645	10.54 ppb	95

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

Data File : G:\1\DATA\3071105\0711307.D Vial: 7
Acq On : 11 Jul 2005 1:47 pm Operator: JTF
Sample : vstd10 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071105\0711308.D Vial: 8
Acq On : 11 Jul 2005 2:18 pm Operator: JTF
Sample : vstd20 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.49	96	1224962	50.00	ppb	0.00
39) bromochloropropane	11.72	79	108902	50.00	ppb	0.00
53) chlorobenzene-d5	13.53	117	776504	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.95	65	194449	52.00	ppb	0.00
Spiked Amount 50.000			Recovery	=	104.00%	
33) toluene-d8	11.09	98	884663	50.15	ppb	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
49) 4-bromofluorobenzene	15.60	95	331989	51.16	ppb	0.00
Spiked Amount 50.000			Recovery	=	102.32%	
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.89	85	404798	17.92	ppb	100
3) chloromethane	2.11	50	322475	18.86	ppb	100
4) vinyl chloride	2.23	62	363740	17.98	ppb	100
5) bromomethane	2.64	94	139424	19.76	ppb	100
6) chloroethane	2.77	64	174017	17.47	ppb	100
7) trichlorofluoromethane	3.10	101	361444	19.47	ppb	100
8) acrolein	3.68	56	87320	216.31	ppb	100
9) 1,1-dichloroethene	3.83	96	213386	17.67	ppb	100
10) acetone	3.93	43	78864	17.31	ppb	100
11) methylene chloride	4.59	84	206636	17.96	ppb	100
12) trans-1,2-dichloroethene	5.02	96	253021	17.93	ppb	100
13) acrylonitrile	4.99	53	279201	209.38	ppb	100
14) 1,1-dichloroethane	5.70	63	420585	18.20	ppb	100
15) 2,2-dichloropropane	6.63	77	378561	17.87	ppb	100
16) cis-1,2-dichloroethene	6.64	96	215068	18.14	ppb	100
17) 2-butanone	6.70	43	110510	17.22	ppb	100
18) bromochloromethane	7.01	128	57820	18.68	ppb	100
19) chloroform	7.17	83	335733	17.82	ppb	100
20) 1,1,1-trichloroethane	7.44	97	372130	18.13	ppb	100
21) carbon tetrachloride	7.70	117	337511	17.97	ppb	100
22) 1,1-dichloropropene	7.70	75	378462	17.97	ppb	100
24) benzene	8.03	78	954388	17.77	ppb	100
25) 1,2-dichloroethane	8.07	62	148198	18.23	ppb	100
26) trichloroethene	9.09	95	257195	18.14	ppb	100
27) 1,2-dichloropropane	9.44	63	192964	17.93	ppb	100
28) dibromomethane	9.64	93	60543	19.86	ppb	100
29) bromodichloromethane	9.91	83	187052	17.85	ppb	100
30) 2-chloroethyl vinyl ether	10.43	106	117706	21.86	ppb	100
31) cis-1,3-dichloropropene	10.65	75	222911	18.73	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071105\0711308.D
Acq On : 11 Jul 2005 2:18 pm
Sample : vstd20
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 8
Operator: JTF
Inst : MSD3
Multiplr: 1.00

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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32)	4-methyl-2-pentanone	10.93	43	194219	18.60 ppb	100
34)	toluene	11.19	92	580015	17.44 ppb	100
35)	Iodomethane	4.05	142	263648	17.76 ppb	100
36)	trans-1,3-dichloropropene	11.59	75	154267	19.25 ppb	100
37)	Vinyl acetate	5.82	86	48081	47.15 ppb	100
38)	Carbon disulfide	4.15	76	776693	17.80 ppb	100
40)	1,1,2-trichloroethane	11.88	83	73508	18.92 ppb	100
41)	tetrachloroethene	12.11	166	240577	17.56 ppb	100
42)	1,3-dichloropropane	12.16	76	157965	18.97 ppb	100
43)	2-hexanone	12.34	43	147646	17.53 ppb	100
44)	dibromochloromethane	12.53	129	80784	17.82 ppb	100
45)	1,2-dibromoethane	12.71	107	71182	18.70 ppb	100
46)	chlorobenzene	13.58	112	501054	18.63 ppb	100
47)	1,1,1,2-tetrachloroethane	13.73	131	125703	18.65 ppb	100
48)	bromoform	15.01	173	41884	21.52 ppb	100
50)	bromobenzene	15.85	156	132639	19.09 ppb	100
51)	1,1,2,2-tetrachloroethane	15.89	83	85356	19.65 ppb	100
52)	1,2,3-trichloropropane	16.08	75	6127	12.24 ppb	100
54)	ethylbenzene	13.79	91	1089345	17.18 ppb	100
55)	m/p-xylene	13.99	106	778919	34.78 ppb	100
56)	styrene	14.70	104	432867	17.94 ppb	100
57)	o-xylene	14.68	106	329598	17.23 ppb	100
58)	isopropylbenzene	15.34	105	1041327	17.31 ppb	100
59)	n-propyl benzene	16.07	91	1262919	17.70 ppb	100
60)	2-chlorotoluene	16.21	126	172305	18.00 ppb	100
61)	4-chlorotoluene	16.41	126	168494	18.55 ppb	100
62)	1,3,5-trimethylbenzene	16.41	105	759600	18.00 ppb	100
63)	tert-butylbenzene	16.98	119	687041	17.70 ppb	100
64)	1,2,4-trimethylbenzene	17.07	105	674995	18.11 ppb	100
65)	sec-butylbenzene	17.37	105	1120073	17.77 ppb	100
66)	1,3-dichlorobenzene	17.55	146	268372	18.77 ppb	100
67)	4-isopropyltoluene	17.65	119	825826	18.30 ppb	100
68)	1,4-dichlorobenzene	17.72	146	246582	18.78 ppb	100
69)	1,2-dichlorobenzene	18.38	146	196340	18.62 ppb	100
70)	n-butylbenzene	18.40	91	804840	18.86 ppb	100
71)	1,2-dibromo-3-chloropropan	19.80	75	63456	102.33 ppb	100
72)	1,2,4-trichlorobenzene	21.33	180	115671	19.71 ppb	100
73)	hexachlorobutadiene	21.66	225	81076	20.35 ppb	100
74)	naphthalene	21.76	128	151423	19.22 ppb	100
75)	trans-1,4-Dichloro-2-buten	15.98	89	58471	95.99 ppb	100
76)	1,2,3-trichlorobenzene	22.21	180	87693	19.93 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071105\0711308.D Vial: 8
Acq On : 11 Jul 2005 2:18 pm Operator: JTF
Sample : vstd20 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.06	73	314003	18.51 ppb	100
78) DIPE	5.86	45	747743	17.99 ppb	100

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

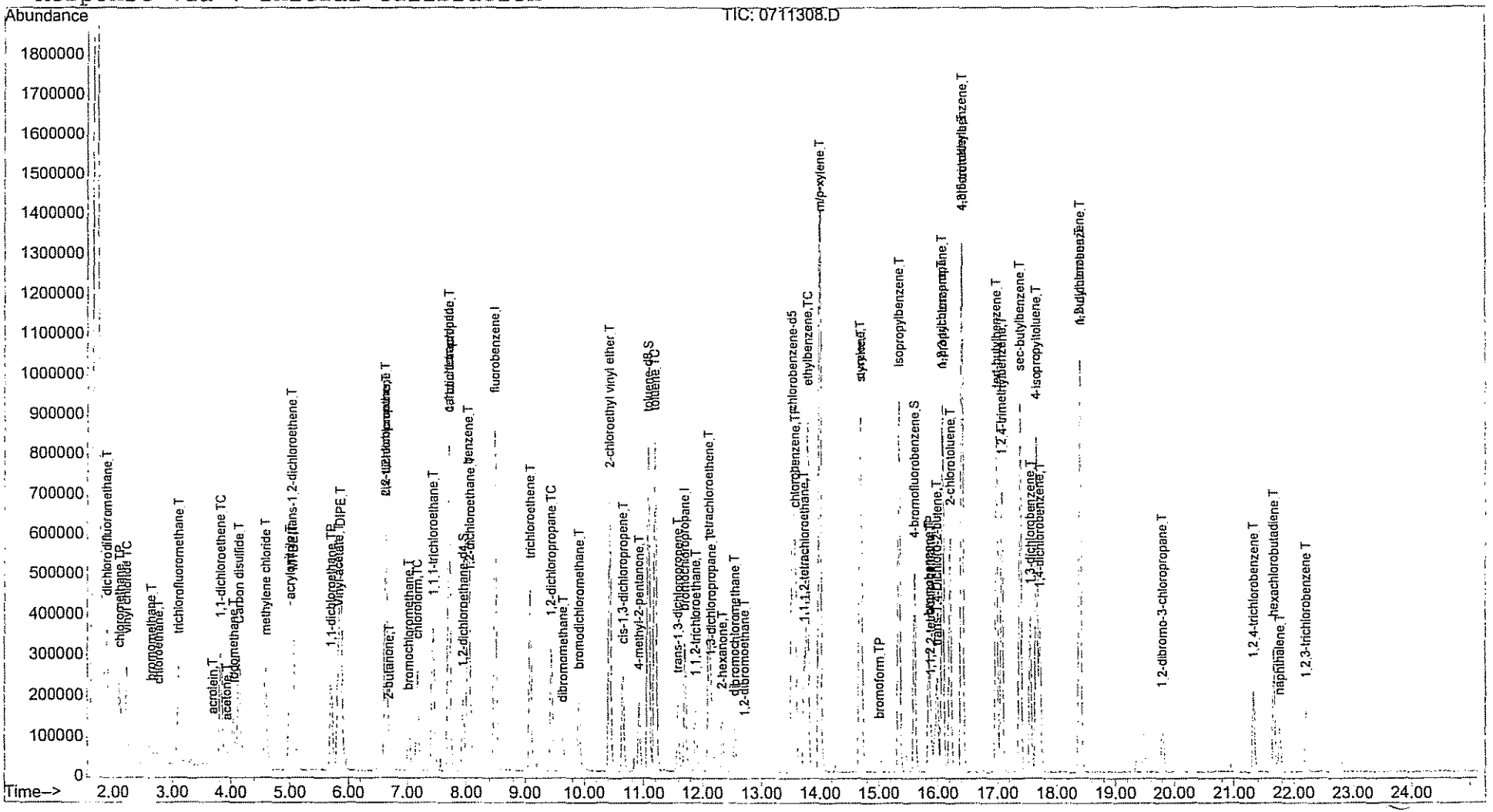
Quantitation Report

Data File : G:\1\DATA\3071105\0711308.D
Acq On : 11 Jul 2005 2:18 pm
Sample : vstd20
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 8
Operator: JTF
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3071105\0711309.D
Acq On : 11 Jul 2005 2:49 pm
Sample : vstd50
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 9
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.49	96	1096991	50.00	ppb	0.00
39) bromochloropropane	11.72	79	95123	50.00	ppb	0.00
53) chlorobenzene-d5	13.53	117	675707	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.95	65	162843	48.63	ppb	0.00
Spiked Amount 50.000			Recovery = 97.26%			
33) toluene-d8	11.08	98	782870	49.56	ppb	0.00
Spiked Amount 50.000			Recovery = 99.12%			
49) 4-bromofluorobenzene	15.60	95	278613	49.15	ppb	0.00
Spiked Amount 50.000			Recovery = 98.30%			

Target Compounds						Qvalue
2) dichlorodifluoromethane	1.90	85	1054137	52.85	ppb	98
3) chloromethane	2.10	50	810698	50.21	ppb	99
4) vinyl chloride	2.23	62	942535	51.61	ppb	99
5) bromomethane	2.63	94	345853	54.73	ppb	86
6) chloroethane	2.76	64	430366	54.03	ppb	97
7) trichlorofluoromethane	3.10	101	948190	57.03	ppb	96
8) acrolein	3.69	56	172425	476.96	ppb	98
9) 1,1-dichloroethene	3.83	96	508243	46.99	ppb	98
10) acetone	3.93	43	195175	50.32	ppb	95
11) methylene chloride	4.59	84	419142	47.80	ppb	99
12) trans-1,2-dichloroethene	5.03	96	608801	48.18	ppb	94
13) acrylonitrile	4.99	53	589306	493.50	ppb	99
14) 1,1-dichloroethane	5.71	63	976470	47.17	ppb	98
15) 2,2-dichloropropane	6.63	77	900777	47.47	ppb	99
16) cis-1,2-dichloroethene	6.65	96	494012	46.52	ppb	95
17) 2-butanone	6.70	43	288181	49.20	ppb	94
18) bromochloromethane	7.02	128	128181	46.25	ppb	94
19) chloroform	7.17	83	774499	45.91	ppb	96
20) 1,1,1-trichloroethane	7.44	97	890403	48.43	ppb	97
21) carbon tetrachloride	7.70	117	807819	48.02	ppb	91
22) 1,1-dichloropropene	7.71	75	906397	48.05	ppb	99
24) benzene	8.04	78	2208733	45.93	ppb	99
25) 1,2-dichloroethane	8.08	62	333174	45.76	ppb	96
26) trichloroethene	9.09	95	614218	48.38	ppb	97
27) 1,2-dichloropropane	9.45	63	438056	45.46	ppb #	98
28) dibromomethane	9.64	93	124368	45.77	ppb	90
29) bromodichloromethane	9.91	83	417775	44.52	ppb	99
30) 2-chloroethyl vinyl ether	10.43	106	266411	55.26	ppb	94
31) cis-1,3-dichloropropene	10.65	75	488941	46.84	ppb	98

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3071105\0711309.D
Acq On : 11 Jul 2005 2:49 pm
Sample : vstd50
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 9
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.93	43	421195	47.10	ppb		98
34)	toluene	11.19	92	1353632	45.45	ppb		97
35)	Iodomethane	4.05	142	645251	48.54	ppb		99
36)	trans-1,3-dichloropropene	11.59	75	330883	46.15	ppb		96
37)	Vinyl acetate	5.83	86	88695	97.13	ppb		95
38)	Carbon disulfide	4.14	76	1905292	48.75	ppb		98
40)	1,1,2-trichloroethane	11.88	83	163156	47.43	ppb		95
41)	tetrachloroethene	12.12	166	573638	47.93	ppb		94
42)	1,3-dichloropropane	12.16	76	345741	46.63	ppb		96
43)	2-hexanone	12.34	43	365646	46.89	ppb		97
44)	dibromochloromethane	12.54	129	191672	46.53	ppb		99
45)	1,2-dibromoethane	12.72	107	160498	46.18	ppb	#	90
46)	chlorobenzene	13.58	112	1124511	47.22	ppb		99
47)	1,1,1,2-tetrachloroethane	13.73	131	280299	47.56	ppb		96
48)	bromoform	15.01	173	97536	48.62	ppb		95
50)	bromobenzene	15.85	156	294627	46.83	ppb		97
51)	1,1,2,2-tetrachloroethane	15.89	83	178448	45.13	ppb		97
52)	1,2,3-trichloropropane	16.07	75	17670	49.77	ppb		96
54)	ethylbenzene	13.79	91	2546504	48.11	ppb		100
55)	m/p-xylene	13.99	106	1782835	96.86	ppb		98
56)	styrene	14.71	104	963600	47.60	ppb		100
57)	o-xylene	14.68	106	763967	48.81	ppb		97
58)	isopropylbenzene	15.34	105	2395239	47.63	ppb		98
59)	n-propyl benzene	16.08	91	2940989	47.75	ppb		100
60)	2-chlorotoluene	16.21	126	387262	47.87	ppb		96
61)	4-chlorotoluene	16.41	126	363677	47.37	ppb		92
62)	1,3,5-trimethylbenzene	16.41	105	1714301	47.48	ppb		100
63)	tert-butylbenzene	16.98	119	1564265	47.65	ppb		99
64)	1,2,4-trimethylbenzene	17.07	105	1535634	47.51	ppb		97
65)	sec-butylbenzene	17.38	105	2605133	47.53	ppb		98
66)	1,3-dichlorobenzene	17.55	146	581204	47.09	ppb		97
67)	4-isopropyltoluene	17.66	119	1870375	47.40	ppb		98
68)	1,4-dichlorobenzene	17.72	146	540952	47.28	ppb		96
69)	1,2-dichlorobenzene	18.38	146	425512	47.01	ppb		93
70)	n-butylbenzene	18.40	91	1794704	45.86	ppb		95
71)	1,2-dibromo-3-chloropropan	19.80	75	123437	228.17	ppb		92
72)	1,2,4-trichlorobenzene	21.33	180	216274	41.02	ppb		93
73)	hexachlorobutadiene	21.66	225	169283	48.82	ppb		99
74)	naphthalene	21.76	128	282577	49.48	ppb		100
75)	trans-1,4-Dichloro-2-buten	15.99	89	127800	234.66	ppb		96
76)	1,2,3-trichlorobenzene	22.21	180	159420	47.88	ppb		91

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3071105\0711309.D
Acq On : 11 Jul 2005 2:49 pm
Sample : vstd50
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 9
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.06	73	687179	46.56 ppb	97
78) DIPE	5.87	45	1671834	46.23 ppb	95

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

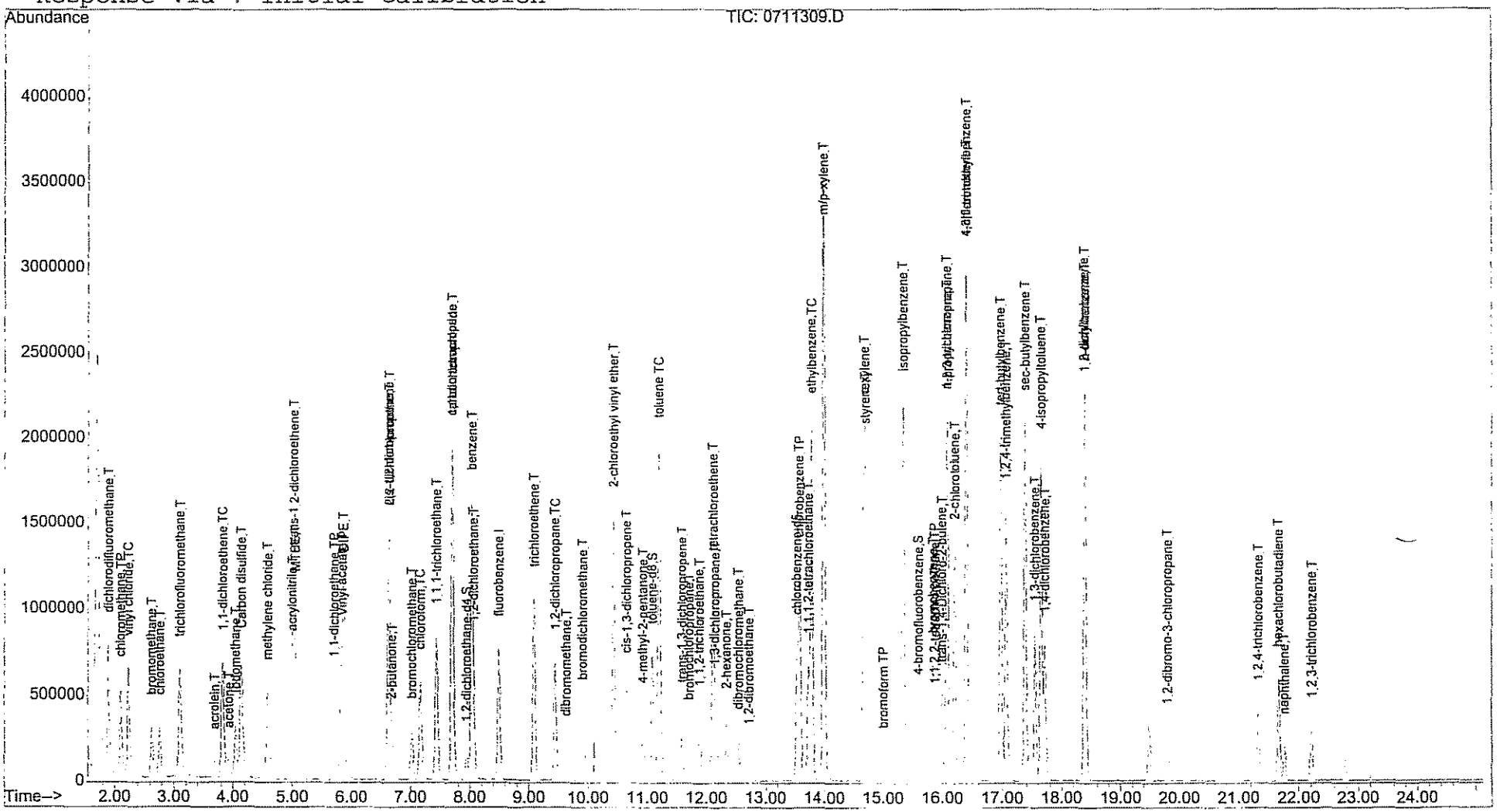
Quantitation Report

Data File : G:\1\DATA\3071105\0711309.D
Acq On : 11 Jul 2005 2:49 pm
Sample : vstd50
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 9
Operator: JTF
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3071105\0711310.D
Acq On : 11 Jul 2005 3:20 pm
Sample : vstd100
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 10
Operator: JTF
Inst : MSD3
Multiplr: 1.00
Quant Results File: 8260SSC.RES

Quant Method : C:\HPCHEM\i...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	1068367	50.00	ppb	0.00
39) bromochloropropane	11.71	79	94539	50.00	ppb	0.00
53) chlorobenzene-d5	13.53	117	657674	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.95	65	163833	50.24	ppb	0.00
Spiked Amount 50.000			Recovery =	100.48%		
33) toluene-d8	11.09	98	756975	49.21	ppb	0.00
Spiked Amount 50.000			Recovery =	98.42%		
49) 4-bromofluorobenzene	15.61	95	274731	48.77	ppb	0.00
Spiked Amount 50.000			Recovery =	97.54%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.89	85	2071507	107.04	ppb	100
3) chloromethane	2.10	50	1627658	101.90	ppb	98
4) vinyl chloride	2.23	62	1884223	105.70	ppb	97
5) bromomethane	2.61	94	591331	96.08	ppb	95
6) chloroethane	2.75	64	846331	112.44	ppb	100
7) trichlorofluoromethane	3.10	101	1887836	116.59	ppb	96
8) acrolein	3.69	56	359108	1019.97	ppb	96
9) 1,1-dichloroethene	3.83	96	1088255	103.30	ppb	95
10) acetone	3.93	43	168114	44.34	ppb	90
11) methylene chloride	4.59	84	842304	104.61	ppb	96
12) trans-1,2-dichloroethene	5.03	96	1280209	104.03	ppb	96
13) acrylonitrile	5.00	53	1254834	1078.98	ppb	99
14) 1,1-dichloroethane	5.71	63	2063489	102.36	ppb	97
15) 2,2-dichloropropane	6.63	77	1867376	101.05	ppb	98
16) cis-1,2-dichloroethene	6.64	96	1036212	100.20	ppb	96
17) 2-butanone	6.69	43	397939	69.55	ppb #	92
18) bromochloromethane	7.02	128	268094	99.33	ppb	95
19) chloroform	7.17	83	1641224	99.89	ppb	98
20) 1,1,1-trichloroethane	7.44	97	1888887	105.49	ppb	95
21) carbon tetrachloride	7.70	117	1726273	105.37	ppb	95
22) 1,1-dichloropropene	7.71	75	1902008	103.53	ppb	99
24) benzene	8.03	78	4578936	97.76	ppb	99
25) 1,2-dichloroethane	8.07	62	711294	100.32	ppb	100
26) trichloroethene	9.09	95	1240498	100.33	ppb	95
27) 1,2-dichloropropane	9.44	63	908796	96.83	ppb	99
28) dibromomethane	9.63	93	271266	102.71	ppb	94
29) bromodichloromethane	9.91	83	887999	97.17	ppb	97
30) 2-chloroethyl vinyl ether	10.43	106	586876	125.00	ppb	94
31) cis-1,3-dichloropropene	10.65	75	1035495	102.62	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3071105\0711310.D
Acq On : 11 Jul 2005 3:20 pm
Sample : vstd100
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 10
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32)	4-methyl-2-pentanone	10.92	43	882797	103.04	ppb	100
34)	toluene	11.20	92	2835224	97.75	ppb	99
35)	Iodomethane	4.04	142	1348365	104.15	ppb	91
36)	trans-1,3-dichloropropene	11.58	75	703372	100.76	ppb	98
37)	Vinyl acetate	5.83	86	235799	265.13	ppb	80
38)	Carbon disulfide	4.14	76	3892224	102.26	ppb	98
40)	1,1,2-trichloroethane	11.89	83	349184	101.64	ppb	94
41)	tetrachloroethene	12.12	166	1204818	101.29	ppb	95
42)	1,3-dichloropropane	12.16	76	736377	99.24	ppb	98
43)	2-hexanone	12.33	43	566073	72.18	ppb	97
44)	dibromochloromethane	12.54	129	414592	99.99	ppb	99
45)	1,2-dibromoethane	12.72	107	347775	99.12	ppb	93
46)	chlorobenzene	13.57	112	2361786	99.33	ppb	96
47)	1,1,1,2-tetrachloroethane	13.73	131	586328	100.06	ppb	97
48)	bromoform	15.01	173	213093	100.59	ppb	96
50)	bromobenzene	15.85	156	609747	96.31	ppb	96
51)	1,1,2,2-tetrachloroethane	15.89	83	395361	98.93	ppb	95
52)	1,2,3-trichloropropane	16.08	75	36497	107.83	ppb	79
54)	ethylbenzene	13.78	91	5366750	105.52	ppb	99
55)	m/p-xylene	14.00	106	3717531	211.27	ppb	97
56)	styrene	14.71	104	2005872	103.07	ppb	100
57)	o-xylene	14.69	106	1566689	104.78	ppb	100
58)	isopropylbenzene	15.35	105	5106583	105.68	ppb	100
59)	n-propyl benzene	16.08	91	6073483	101.56	ppb	99
60)	2-chlorotoluene	16.21	126	796534	102.13	ppb	94
61)	4-chlorotoluene	16.41	126	746137	100.86	ppb	94
62)	1,3,5-trimethylbenzene	16.40	105	3554984	101.72	ppb	99
63)	tert-butylbenzene	16.99	119	3217044	101.60	ppb	99
64)	1,2,4-trimethylbenzene	17.07	105	3125089	99.45	ppb	99
65)	sec-butylbenzene	17.38	105	5394686	101.15	ppb	99
66)	1,3-dichlorobenzene	17.56	146	1165891	97.34	ppb	98
67)	4-isopropyltoluene	17.66	119	3815536	99.21	ppb	98
68)	1,4-dichlorobenzene	17.71	146	1078119	96.77	ppb	96
69)	1,2-dichlorobenzene	18.38	146	861929	98.30	ppb	97
70)	n-butylbenzene	18.39	91	3709987	95.61	ppb	95
71)	1,2-dibromo-3-chloropropan	19.80	75	248245	470.95	ppb	95
72)	1,2,4-trichlorobenzene	21.32	180	424738	81.59	ppb	89
73)	hexachlorobutadiene	21.67	225	334406	99.08	ppb	100
74)	naphthalene	21.76	128	521806	100.37	ppb	100
75)	trans-1,4-Dichloro-2-buten	15.99	89	264165	493.56	ppb	94
76)	1,2,3-trichlorobenzene	22.21	180	308906	101.01	ppb	95

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3071105\0711310.D Vial: 10
Acq On : 11 Jul 2005 3:20 pm Operator: JTF
Sample : vstd100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
77) MTBE	5.06	73	1439570	100.21 ppb	#	96
78) DIPE	5.87	45	3615576	102.72 ppb		94

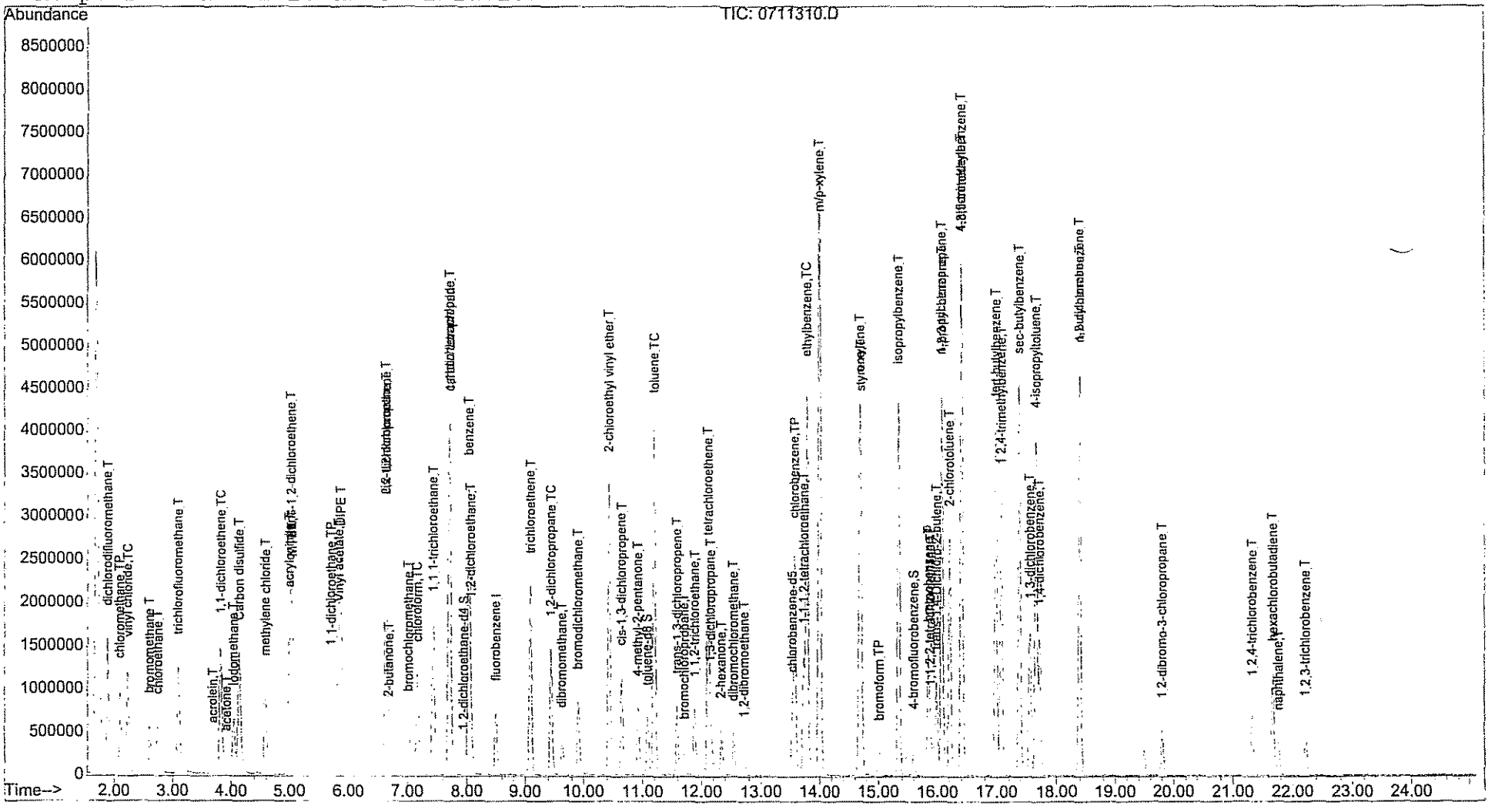
(#) = qualifier out of range (m) = manual integration

Data File : G:\1\DATA\3071105\0711310.D
Acq On : 11 Jul 2005 3:20 pm
Sample : vstd100
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 10
Operator: JTF
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3071105\0711311.D
Acq On : 11 Jul 2005 3:51 pm
Sample : vstd200
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 11
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.49	96	1037342	50.00	ppb	0.00
39) bromochloropropane	11.71	79	86793	50.00	ppb	0.00
53) chlorobenzene-d5	13.53	117	659748	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.95	65	152135	48.04	ppb	0.00
Spiked Amount 50.000			Recovery	=	96.08%	
33) toluene-d8	11.08	98	770702	51.60	ppb	0.00
Spiked Amount 50.000			Recovery	=	103.20%	
49) 4-bromofluorobenzene	15.61	95	273235	52.83	ppb	0.00
Spiked Amount 50.000			Recovery	=	105.66%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.88	85	3679477	196.13	ppb		98
3) chloromethane	2.10	50	3110963	199.12	ppb		98
4) vinyl chloride	2.23	62	3413856	197.04	ppb		99
5) bromomethane	2.59	94	788541	131.95	ppb		95
6) chloroethane	2.72	64	1396029	193.30	ppb		96
7) trichlorofluoromethane	3.08	101	3340959	212.50	ppb		95
8) acrolein	3.68	56	711484	2081.26	ppb		99
9) 1,1-dichloroethene	3.81	96	1904126	186.16	ppb		96
10) acetone	3.92	43	719162	200.15	ppb		90
11) methylene chloride	4.59	84	1513541	198.39	ppb		97
12) trans-1,2-dichloroethene	5.02	96	2246632	188.02	ppb		94
13) acrylonitrile	4.99	53	2458708	2177.36	ppb		100
14) 1,1-dichloroethane	5.70	63	3684399	188.22	ppb		97
15) 2,2-dichloropropane	6.63	77	3422816	190.76	ppb		99
16) cis-1,2-dichloroethene	6.64	96	1869705	186.20	ppb		97
17) 2-butanone	6.69	43	1118708	200.41	ppb		92
18) bromochloromethane	7.02	128	493515	188.32	ppb		95
19) chloroform	7.17	83	2989491	187.39	ppb		99
20) 1,1,1-trichloroethane	7.43	97	3271615	188.18	ppb		98
21) carbon tetrachloride	7.70	117	3006400	189.00	ppb		95
22) 1,1-dichloropropene	7.70	75	3312997	185.72	ppb		97
24) benzene	8.04	78	8245832	181.32	ppb		100
25) 1,2-dichloroethane	8.06	62	1313663	190.81	ppb		99
26) trichloroethene	9.09	95	2218698	184.81	ppb		95
27) 1,2-dichloropropane	9.44	63	1653300	181.42	ppb	#	98
28) dibromomethane	9.63	93	511584	199.66	ppb		91
29) bromodichloromethane	9.91	83	1630092	183.70	ppb		100
30) 2-chloroethyl vinyl ether	10.43	106	1128086	247.45	ppb		96
31) cis-1,3-dichloropropene	10.65	75	1948960	199.54	ppb		96

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3071105\0711311.D
Acq On : 11 Jul 2005 3:51 pm
Sample : vstd200
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 11
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32)	4-methyl-2-pentanone	10.92	43	1646984	199.32 ppb		99
34)	toluene	11.20	92	5194142	184.43 ppb		100
35)	Iodomethane	4.03	142	2402140	191.10 ppb		93
36)	trans-1,3-dichloropropene	11.58	75	1359097	200.55 ppb		96
37)	Vinyl acetate	5.82	86	432614	500.98 ppb		99
38)	Carbon disulfide	4.13	76	6853447	185.44 ppb		98
40)	1,1,2-trichloroethane	11.88	83	634188	200.66 ppb		93
41)	tetrachloroethene	12.12	166	2156596	197.49 ppb		94
42)	1,3-dichloropropane	12.17	76	1374741	201.19 ppb		97
43)	2-hexanone	12.33	43	1466389	200.90 ppb		99
44)	dibromochloromethane	12.54	129	769184	200.95 ppb		95
45)	1,2-dibromoethane	12.72	107	653104	201.36 ppb	#	89
46)	chlorobenzene	13.58	112	4397618	201.03 ppb		98
47)	1,1,1,2-tetrachloroethane	13.72	131	1079425	200.61 ppb		94
48)	bromoform	15.01	173	399657	200.03 ppb		89
50)	bromobenzene	15.85	156	1184591	202.56 ppb		93
51)	1,1,2,2-tetrachloroethane	15.89	83	745127	201.65 ppb		97
52)	1,2,3-trichloropropane	16.08	75	60140	196.76 ppb	#	61
54)	ethylbenzene	13.78	91	10048275	197.96 ppb		99
55)	m/p-xylene	13.99	106	6933603	395.64 ppb		96
56)	styrene	14.71	104	3869373	199.21 ppb		100
57)	o-xylene	14.68	106	2949029	198.16 ppb		100
58)	isopropylbenzene	15.34	105	9549947	197.99 ppb		100
59)	n-propyl benzene	16.08	91	11980274	199.93 ppb		98
60)	2-chlorotoluene	16.22	126	1538425	197.44 ppb		91
61)	4-chlorotoluene	16.40	126	1479589	200.28 ppb		93
62)	1,3,5-trimethylbenzene	16.40	105	6990571	199.88 ppb		99
63)	tert-butylbenzene	16.99	119	6220111	196.60 ppb		97
64)	1,2,4-trimethylbenzene	17.07	105	6331705	200.96 ppb		96
65)	sec-butylbenzene	17.38	105	10707497	200.16 ppb		99
66)	1,3-dichlorobenzene	17.56	146	2424053	202.03 ppb		98
67)	4-isopropyltoluene	17.66	119	7763535	201.09 ppb		99
68)	1,4-dichlorobenzene	17.72	146	2260942	202.26 ppb		98
69)	1,2-dichlorobenzene	18.39	146	1769317	201.59 ppb		96
70)	n-butylbenzene	18.40	91	7977017	203.13 ppb		94
71)	1,2-dibromo-3-chloropropan	19.81	75	539032	1018.83 ppb		94
72)	1,2,4-trichlorobenzene	21.32	180	1064105	202.03 ppb		91
73)	hexachlorobutadiene	21.67	225	761575	224.94 ppb		98
74)	naphthalene	21.76	128	1298946	259.77 ppb		100
75)	trans-1,4-Dichloro-2-buten	15.99	89	543038	1006.94 ppb		98
76)	1,2,3-trichlorobenzene	22.21	180	771147	259.92 ppb		92

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3071105\0711311.D
Acq On : 11 Jul 2005 3:51 pm
Sample : vstd200
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 11
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.06	73	2652600	184.06 ppb	97
78) DIPE	5.86	45	6482175	183.58 ppb	98

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

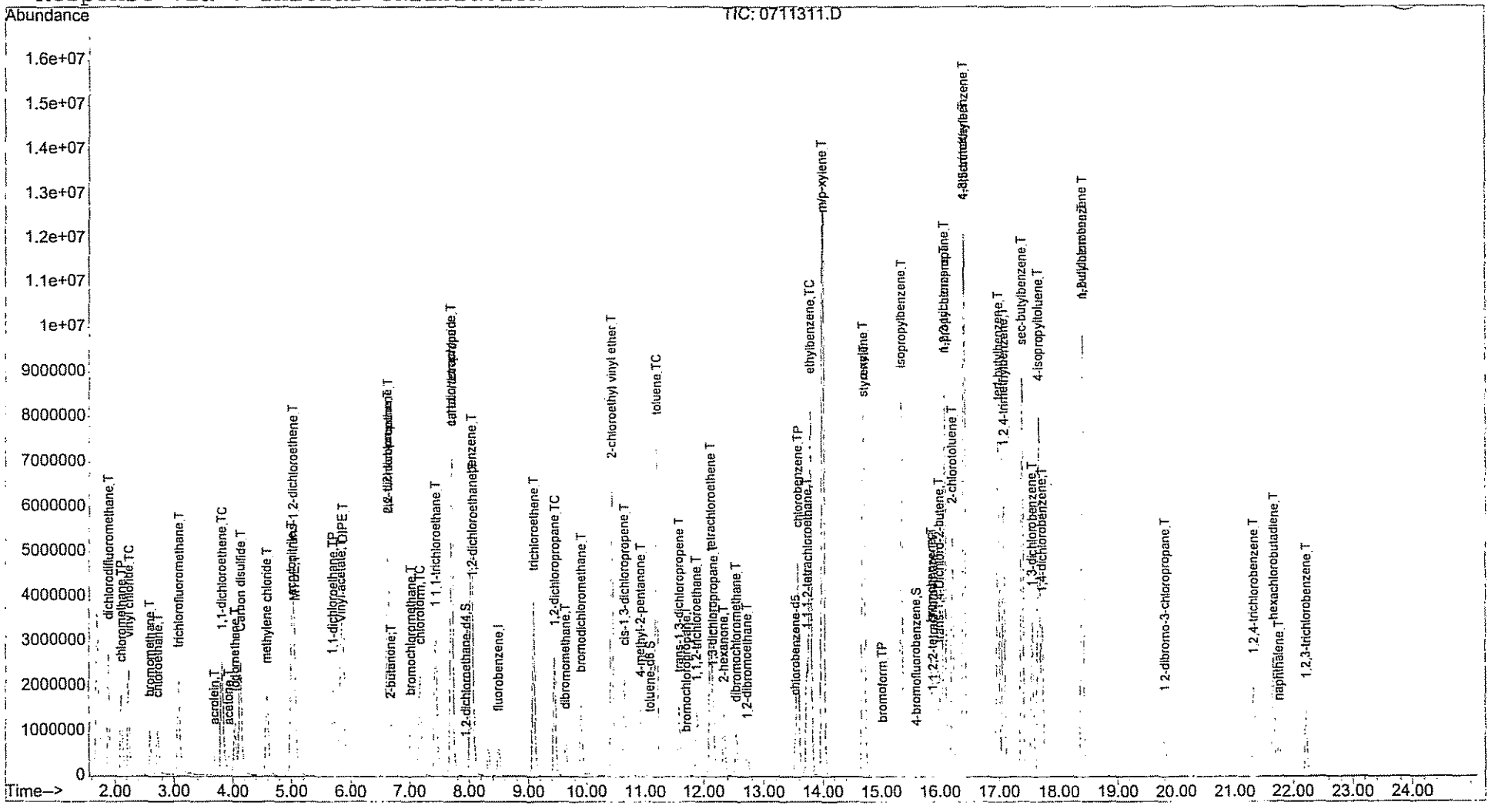
Quantitation Report

Data File : G:\1\DATA\3071105\0711311.D
Acq On : 11 Jul 2005 3:51 pm
Sample : vstd200
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 11 16:21 2005

Vial: 11
Operator: JTF
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration

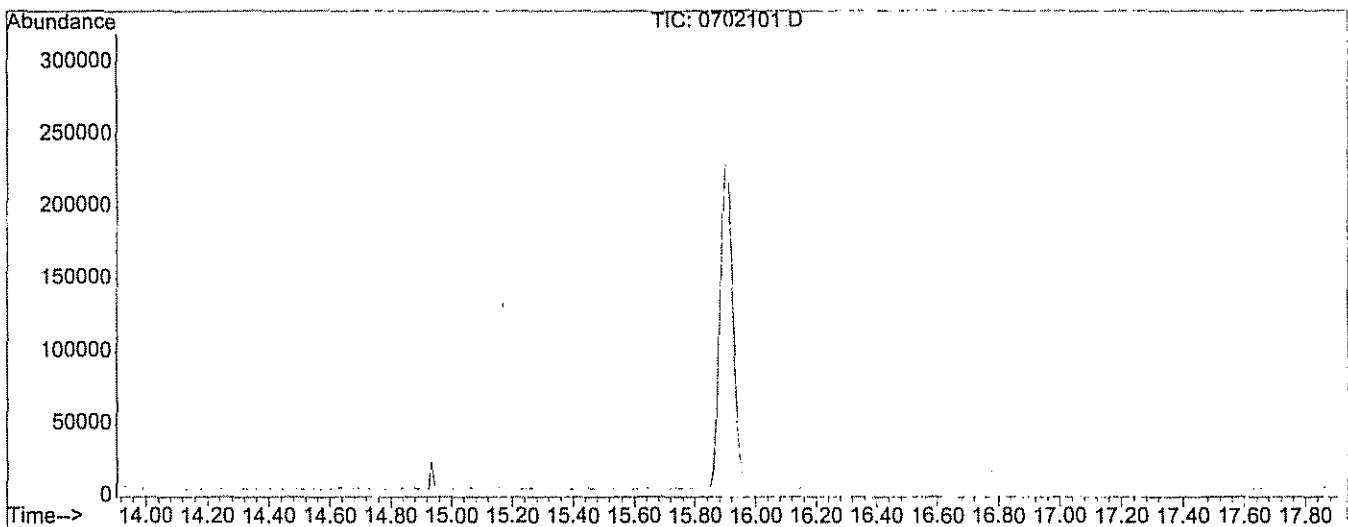


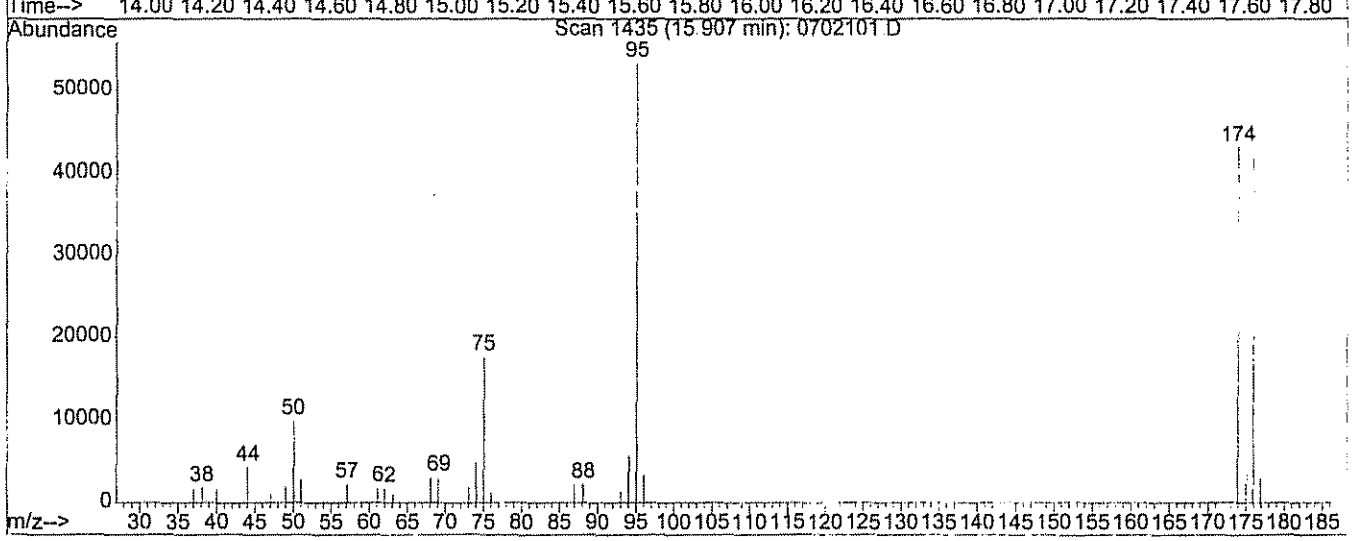
8260 CVS Raw Data

BFB

Data File : K:\1\DATA\1070205\0702101.D
Acq On : 2 Jul 2005 8:22 am
Sample : bfb 50ng
Misc :
MS Integration Params: rteint.p
Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX

Vial: 1
Operator: jtf
Inst : MSD1
Multiplr: 1.00





Spectrum Information: Scan 1435

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	9938	PASS
75	95	30	60	33.2	17704	PASS
95	95	100	100	100.0	53248	PASS
96	95	5	9	6.3	3349	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	81.1	43160	PASS
175	174	5	9	8.1	3498	PASS
176	174	95	101	97.2	41944	PASS
177	176	5	9	7.1	2963	PASS

0702101.D 6210D.M Wed Jul 13 16:33:09 2005 X

Evaluate Continuing Calibration Report

Data File : K:\1\DATA\1070205\0702102.D
Acq On : 2 Jul 2005 8:55 am
Sample : qchk005
Misc :
MS Integration Params: rteint.p

Vial: 2
Operator: jtf
Inst : MSD1
Multiplr: 1.00

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Single 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	88	0.02
2	T	dichlorodifluoromethane	0.146	0.175	-19.9	112	0.02
3	TP	chloromethane	0.362	0.338	6.6	86	0.02
4	TC	vinyl chloride	0.262	0.310	-18.3	111	0.02
5	T	bromomethane	0.062	0.118	-90.3#	148	0.04
6	T	chloroethane	0.150	0.167	-11.3	107	0.03
7	T	trichlorofluoromethane	0.165	0.204	-23.6	111	0.03
8	T	acrolein	0.019	0.021	-10.5	98	0.03
9	TC	1,1-dichloroethene	0.152	0.134	11.8	72	0.03
10	T	acetone	0.025	0.030	-20.0	107	0.02
11	T	methylene chloride	0.151	0.133	11.9	74	0.03
12	T	trans-1,2-dichloroethene	0.188	0.167	11.2	74	0.03
13	T	acrylonitrile	0.030	0.037	-23.3	115	0.03
14	TP	1,1-dichloroethane	0.361	0.334	7.5	77	0.02
15	T	2,2-dichloropropane	0.178	0.181	-1.7	83	0.02
16	T	cis-1,2-dichloroethene	0.191	0.164	14.1	72	0.03
17	T	2-butanone	0.035	0.043	-22.9	101	0.03
18	T	bromochloromethane	0.067	0.060	10.4	73	0.03
19	TC	chloroform	0.236	0.222	5.9	79	0.03
20	T	1,1,1-trichloroethane	0.193	0.183	5.2	80	0.03
21	T	carbon tetrachloride	0.151	0.154	-2.0	86	0.03
22	T	1,1-dichloropropene	0.200	0.190	5.0	80	0.02
23	S	1,2-dichloroethane-d4	0.142	0.160	-12.7	101	0.03
24	T	benzene	0.635	0.580	8.7	76	0.02
25	T	1,2-dichloroethane	0.130	0.131	-0.8	83	0.03
26	T	trichloroethene	0.173	0.154	11.0	74	0.03
27	TC	1,2-dichloropropane	0.194	0.172	11.3	74	0.02
28	T	dibromomethane	0.051	0.047	7.8	74	0.03
29	T	bromodichloromethane	0.137	0.125	8.8	76	0.03
30	T	2-chloroethyl vinyl ether	0.008	0.010	-25.0	95	0.03
31	T	cis-1,3-dichloropropene	0.169	0.158	6.5	75	0.03
32	T	4-methyl-2-pentanone	0.070	0.067	4.3	82	0.02
33	S	toluene-d8	0.691	0.694	-0.4	90	0.03
34	TC	toluene	0.428	0.372	13.1	73	0.03
35	T	Iodomethane	0.103	0.191	-85.4#	254#	0.03
36	T	trans-1,3-dichloropropene	0.110	0.106	3.6	79	0.02
37	T	Vinyl acetate	0.327	0.334	-2.1	87	0.03
38	T	Carbon disulfide	0.504	0.502	0.4	83	0.03
39	I	bromochloropropane	1.000	1.000	0.0	96	0.02
40	T	1,1,2-trichloroethane	0.711	0.585	17.7	72	0.03

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : K:\1\DATA\1070205\0702102.D Vial: 2
Acq On : 2 Jul 2005 8:55 am Operator: jtf
Sample : qchk005 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Single 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)
41	T	tetrachloroethene	2.092	1.641	21.6	73	0.02
42	T	1,3-dichloropropane	1.533	1.299	15.3	76	0.02
43	T	2-hexanone	0.531	0.512	3.6	92	0.03
44	T	dibromochloromethane	1.096	0.923	15.8	76	0.03
45	T	1,2-dibromoethane	0.842	0.688	18.3	73	0.03
46	TP	chlorobenzene	4.861	3.910	19.6	74	0.03
47	T	1,1,1,2-tetrachloroethane	1.526	1.249	18.2	74	0.03
48	TP	bromoform	0.525	0.404	23.0	68	0.03
49	S	4-bromofluorobenzene	3.338	3.194	4.3	93	0.03
50	T	bromobenzene	1.732	1.365	21.2	71	0.03
51	TP	1,1,2,2-tetrachloroethane	0.830	0.704	15.2	76	0.02
52	T	1,2,3-trichloropropane	1.266	1.137	10.2	82	0.02
53		chlorobenzene-d5	1.000	1.000	0.0	93	0.04
54	TC	ethylbenzene	1.070	0.901	15.8	74	0.03
55	T	m/p-xylene	0.414	0.355	14.3	75	0.02
56	T	styrene	0.567	0.461	18.7	71	0.02
57	T	o-xylene	0.383	0.323	15.7	73	0.03
58	T	isopropylbenzene	0.998	0.852	14.6	76	0.03
59	T	n-propyl benzene	1.130	1.015	10.2	80	0.02
60	T	2-chlorotoluene	0.209	0.214	-2.4	93	0.03
61	T	4-chlorotoluene	0.239	0.211	11.7	77	0.03
62	T	1,3,5-trimethylbenzene	0.725	0.641	11.6	78	0.02
63	T	tert-butylbenzene	0.612	0.627	-2.5	92	0.02
64	T	1,2,4-trimethylbenzene	0.676	0.624	7.7	82	0.03
65	T	sec-butylbenzene	0.939	0.854	9.1	81	0.03
66	T	1,3-dichlorobenzene	0.465	0.385	17.2	72	0.03
67	T	4-isopropyltoluene	0.796	0.762	4.3	85	0.03
68	T	1,4-dichlorobenzene	0.454	0.378	16.7	73	0.03
69	T	1,2-dichlorobenzene	0.364	0.303	16.8	72	0.02
70	T	n-butylbenzene	0.604	0.573	5.1	85	0.02
71	T	1,2-dibromo-3-chloropropane	0.011	0.011	0.0	87	0.02
72	T	1,2,4-trichlorobenzene	0.168	0.142	15.5	75	0.02
73	T	hexachlorobutadiene	0.090	0.084	6.7	85	0.02
74	T	naphthalene	0.215	0.173	19.5	73	0.02
75	T	trans-1,4-Dichloro-2-butene	0.009	0.009	0.0	83	0.03
76	T	1,2,3-trichlorobenzene	0.123	0.104	15.4	74	0.03
77	T	MTBE	0.304	0.301	1.0	85	0.02
78	T	DIPE	0.971	0.942	3.0	85	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702102.D
Acq On : 2 Jul 2005 8:55 am
Sample : qchk005
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 2 9:20 2005

Vial: 2
Operator: jtf
Inst : MSD1
Multiplr: 1.00

Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.80	96	2358918	10.00	ppb	0.02
39) bromochloropropane	12.00	79	227865	10.00	ppb	0.02
53) chlorobenzene-d5	13.83	117	1714233	10.00	ppb	0.04
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	8.23	65	378317	11.30	ppb	0.03
Spiked Amount 10.000			Recovery	=	113.00%	
33) toluene-d8	11.39	98	1637762	10.05	ppb	0.03
Spiked Amount 10.000			Recovery	=	100.50%	
49) 4-bromofluorobenzene	15.90	95	727836	9.57	ppb	0.03
Spiked Amount 10.000			Recovery	=	95.70%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	2.04	85	206852	6.00	ppb		97
3) chloromethane	2.29	50	398439	5.02	ppb		100
4) vinyl chloride	2.40	62	365948	5.92	ppb		99
5) bromomethane	2.82	94	139319	8.25	ppb		99
6) chloroethane	2.96	64	197261	5.59	ppb		97
7) trichlorofluoromethane	3.33	101	240466	6.16	ppb		99
8) acrolein	3.91	56	608205	128.33	ppb		98
9) 1,1-dichloroethene	4.09	96	158062	4.40	ppb		91
10) acetone	4.16	43	179689	30.43	ppb		99
11) methylene chloride	4.87	84	156728	4.40	ppb		91
12) trans-1,2-dichloroethene	5.32	96	197060	4.45	ppb		92
13) acrylonitrile	5.24	53	1098425	153.79	ppb		99
14) 1,1-dichloroethane	5.98	63	394280	4.63	ppb		98
15) 2,2-dichloropropane	6.93	77	213787	5.09	ppb		94
16) cis-1,2-dichloroethene	6.93	96	193782	4.30	ppb	#	88
17) 2-butanone	6.96	43	251051	30.14	ppb		95
18) bromochloromethane	7.30	128	71007	4.50	ppb		97
19) chloroform	7.45	83	261581	4.71	ppb		99
20) 1,1,1-trichloroethane	7.74	97	215319	4.72	ppb		97
21) carbon tetrachloride	8.02	117	181462	5.09	ppb		99
22) 1,1-dichloropropene	8.02	75	223977	4.76	ppb		98
24) benzene	8.34	78	684294	4.57	ppb		98
25) 1,2-dichloroethane	8.35	62	154219	5.01	ppb		95
26) trichloroethene	9.40	95	181449	4.45	ppb		95
27) 1,2-dichloropropane	9.73	63	202983	4.44	ppb		96
28) dibromomethane	9.92	93	55261	4.60	ppb		91
29) bromodichloromethane	10.19	83	146928	4.54	ppb		98
30) 2-chloroethyl vinyl ether	10.71	106	29050	17.69	ppb		93
31) cis-1,3-dichloropropene	10.94	75	186755	4.67	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702102.D Vial: 2
Acq On : 2 Jul 2005 8:55 am Operator: jtf
Sample : qchk005 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 9:20 2005 Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	11.20	43	393004	23.73	ppb		97
34)	toluene	11.50	92	438376	4.34	ppb		99
35)	Iodomethane	4.32	142	224974	6.97	ppb	#	89
36)	trans-1,3-dichloropropene	11.86	75	125072	4.80	ppb		87
37)	Vinyl acetate	6.10	43	984030	12.77	ppb		98
38)	Carbon disulfide	4.44	76	591707	4.98	ppb		100
40)	1,1,2-trichloroethane	12.16	83	66601	4.11	ppb		98
41)	tetrachloroethene	12.43	166	186984	3.92	ppb		95
42)	1,3-dichloropropane	12.44	76	148000	4.24	ppb		99
43)	2-hexanone	12.61	43	291944	24.12	ppb		97
44)	dibromochloromethane	12.82	129	105122	4.21	ppb		100
45)	1,2-dibromoethane	13.01	107	78381	4.08	ppb		92
46)	chlorobenzene	13.88	112	445518	4.02	ppb		97
47)	1,1,1,2-tetrachloroethane	14.02	131	142344	4.09	ppb		98
48)	bromoform	15.30	173	45974	3.85	ppb		100
50)	bromobenzene	16.16	156	155485	3.94	ppb		94
51)	1,1,2,2-tetrachloroethane	16.16	83	80218	4.24	ppb		96
52)	1,2,3-trichloropropane	16.25	75	129562	4.49	ppb		99
54)	ethylbenzene	14.09	91	772540	4.21	ppb		100
55)	m/p-xylene	14.30	106	609350	8.59	ppb		99
56)	styrene	15.01	104	394973	4.06	ppb		100
57)	o-xylene	14.99	106	277154	4.23	ppb		96
58)	isopropylbenzene	15.65	105	730137	4.27	ppb		99
59)	n-propyl benzene	16.38	91	870285	4.49	ppb		100
60)	2-chlorotoluene	16.52	126	183153	5.10	ppb		96
61)	4-chlorotoluene	16.72	126	180617	4.40	ppb		98
62)	1,3,5-trimethylbenzene	16.71	105	549531	4.42	ppb		100
63)	tert-butylbenzene	17.29	119	537207	5.12	ppb		98
64)	1,2,4-trimethylbenzene	17.38	105	534662	4.61	ppb		100
65)	sec-butylbenzene	17.69	105	731795	4.54	ppb		98
66)	1,3-dichlorobenzene	17.86	146	330146	4.14	ppb		98
67)	4-isopropyltoluene	17.97	119	652854	4.78	ppb		99
68)	1,4-dichlorobenzene	18.03	146	324153	4.17	ppb		99
69)	1,2-dichlorobenzene	18.69	146	259335	4.15	ppb		96
70)	n-butylbenzene	18.70	91	491461	4.75	ppb		100
71)	1,2-dibromo-3-chloropropan	20.09	75	46415	24.68	ppb	#	71
72)	1,2,4-trichlorobenzene	21.64	180	122073	4.24	ppb		93
73)	hexachlorobutadiene	21.99	225	72187	4.69	ppb		97
74)	naphthalene	22.07	128	148447	4.02	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.26	89	37483	23.01	ppb		91
76)	1,2,3-trichlorobenzene	22.53	180	88875	4.21	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702102.D Vial: 2
Acq On : 2 Jul 2005 8:55 am Operator: jtf
Sample : qchk005 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p)
Quant Time: Jul 2 9:20 2005 Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

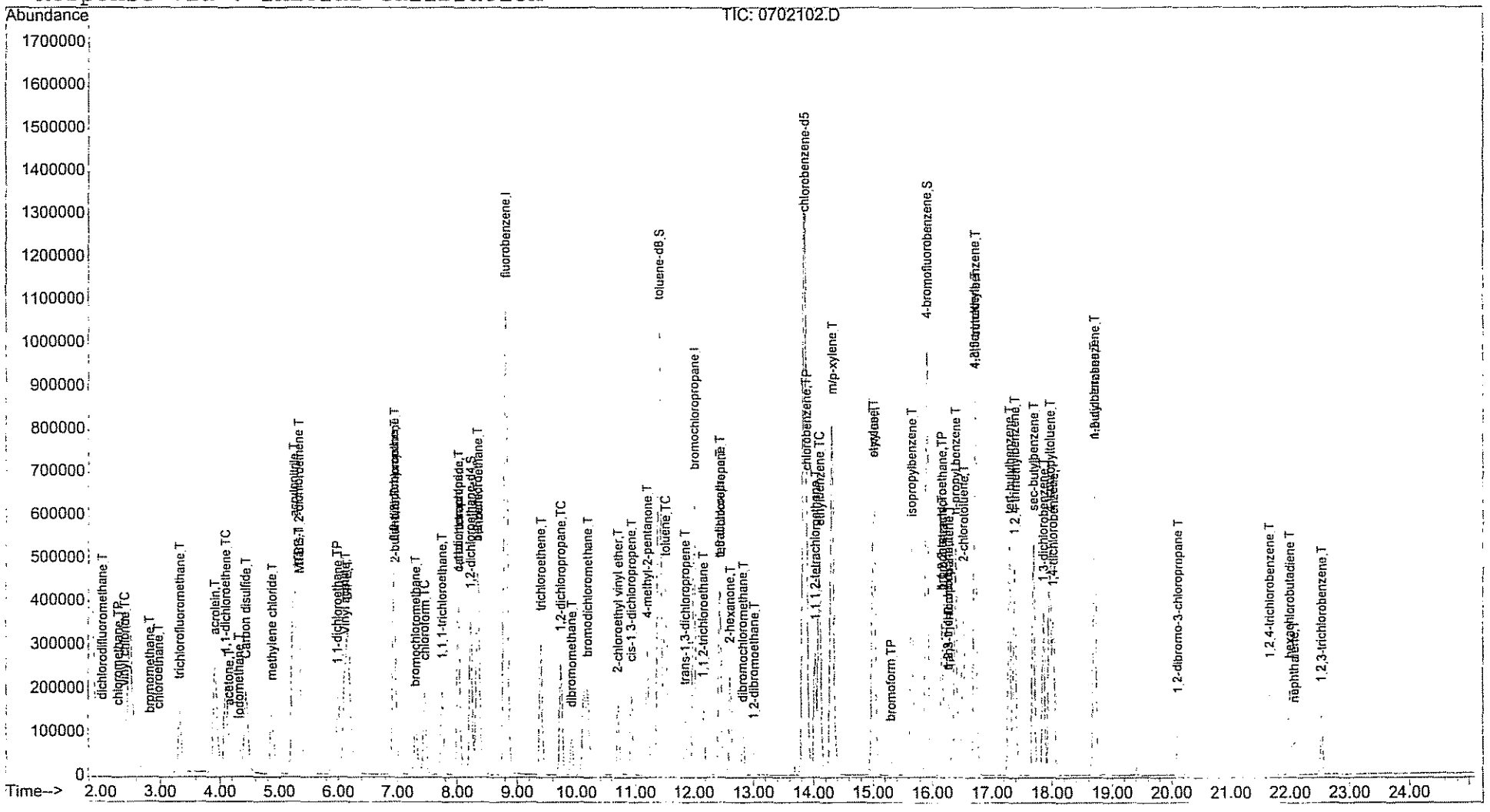
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	MTBE	5.34	73	257840	4.94 ppb	98
78)	DIPE	6.16	45	807513	4.85 ppb	92

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

Quantitation Report

Data File : K:\1\DATA\1070205\0702102.D Vial: 2
Acq On : 2 Jul 2005 8:55 am Operator: jtf
Sample : qchk005 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 9:20 2005 Quant Results File: 6210D.RES

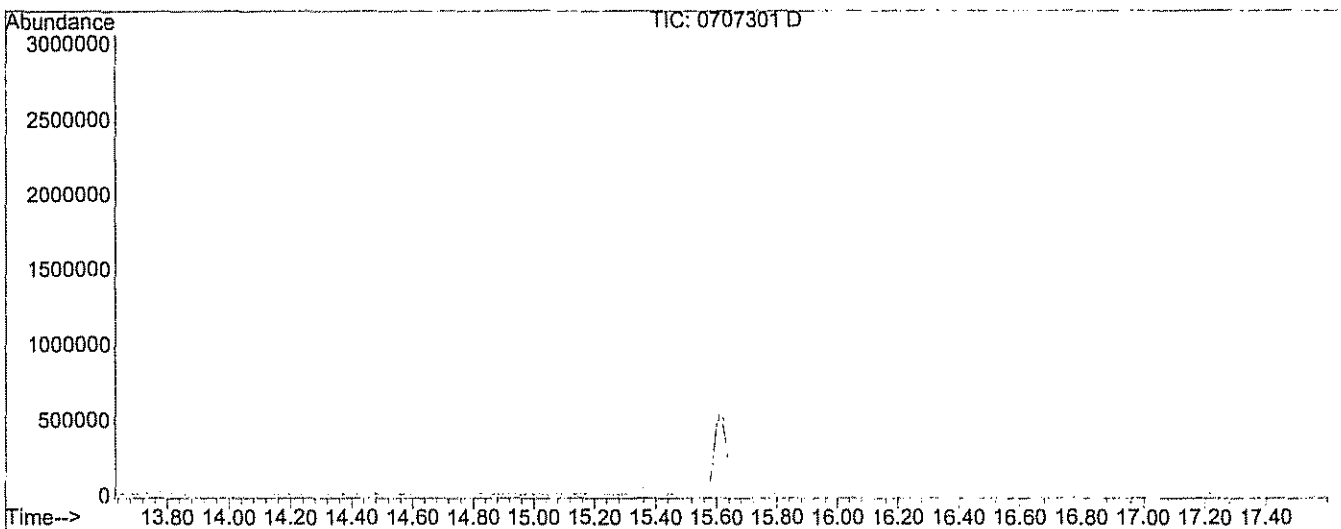
Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration

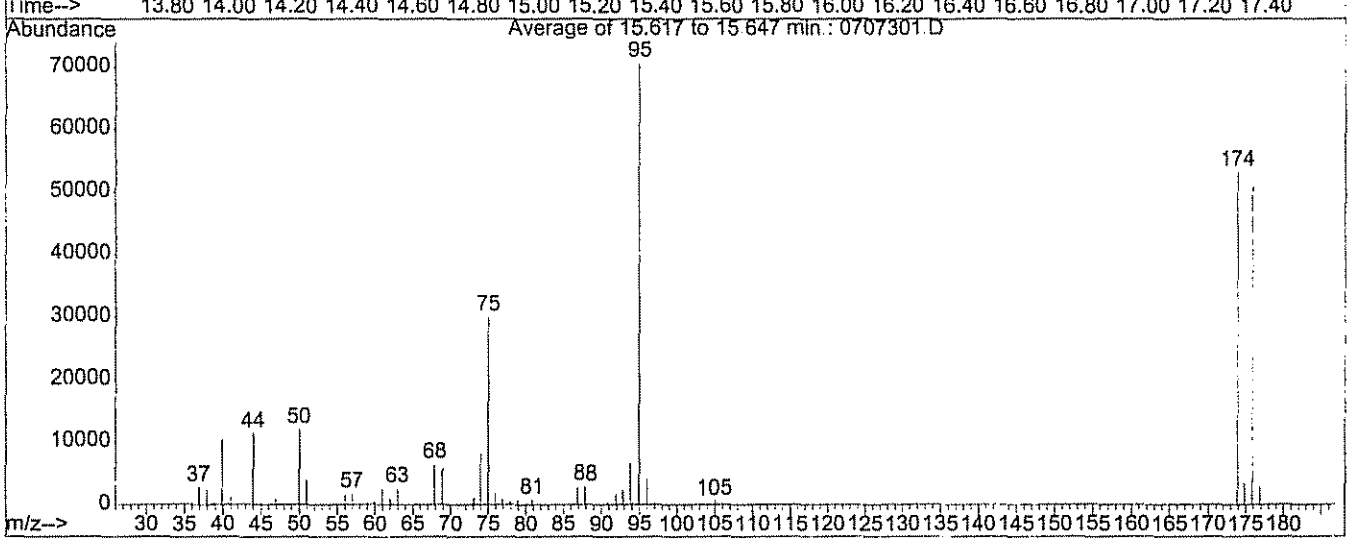


BFB

Data File : G:\1\DATA\3070705\0707301.D
Acq On : 7 Jul 2005 4:55 am
Sample : 50 ng bfb
Misc :
MS Integration Params: rteint.p
Method : G:\1\DATA\3070705\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX

Vial: 1
Operator: RNP
Inst : MSD3
Multiplr: 1.00





Spectrum Information: Average of 15.617 to 15.647 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.0	12040	PASS
75	95	30	60	42.5	30027	PASS
95	95	100	100	100.0	70714	PASS
96	95	5	9	5.8	4067	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	75.1	53128	PASS
175	174	5	9	6.5	3478	PASS
176	174	95	101	96.0	51008	PASS
177	176	5	9	5.6	2864	PASS

0707301.D 8260SSC.M Thu Jul 14 07:39:47 2005 X

Evaluate Continuing Calibration Report

Data File : G:\1\DATA\3070705\0707302.D
Acq On : 7 Jul 2005 5:31 am
Sample : QCCHK020
Misc :
MS Integration Params: rteint.p

Vial: 2
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Method : G:\1\DATA\3070705\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	104	-0.01
2	T	dichlorodifluoromethane	0.221	0.204	7.7	96	0.00
3	TP	chloromethane	0.323	0.289	10.5	84	0.00
4	TC	vinyl chloride	0.333	0.308	7.5	97	0.00
5	T	bromomethane	0.090	0.075	16.7	100	-0.02
6	T	chloroethane	0.162	0.152	6.2	99	-0.03
7	T	trichlorofluoromethane	0.347	0.325	6.3	99	0.00
8	T	acrolein	0.305	0.456	-49.5#	91	0.00
9	TC	1,1-dichloroethene	0.241	0.183	24.1#	93	-0.01
10	T	acetone	0.230	0.203	11.7	93	0.00
11	T	methylene chloride	0.297	0.240	19.2	99	0.00
12	T	trans-1,2-dichloroethene	0.314	0.245	22.0	99	0.00
13	T	acrylonitrile	1.218	1.370	-12.5	90	0.00
14	TP	1,1-dichloroethane	0.568	0.455	19.9	100	0.00
15	T	2,2-dichloropropane	0.453	0.369	18.5	103	-0.01
16	T	cis-1,2-dichloroethene	0.316	0.255	19.3	104	0.00
17	T	2-butanone	0.424	0.409	3.5	95	0.00
18	T	bromochloromethane	0.114	0.096	15.8	98	0.00
19	TC	chloroform	0.497	0.399	19.7	99	0.00
20	T	1,1,1-trichloroethane	0.445	0.346	22.2	100	0.00
21	T	carbon tetrachloride	0.389	0.299	23.1	100	-0.01
22	T	1,1-dichloropropene	0.443	0.338	23.7	99	0.00
23	S	1,2-dichloroethane-d4	0.313	0.310	1.0	103	0.00
24	T	benzene	1.319	1.040	21.2	101	0.00
25	T	1,2-dichloroethane	0.367	0.302	17.7	96	0.00
26	T	trichloroethene	0.324	0.252	22.2	100	0.00
27	TC	1,2-dichloropropane	0.325	0.269	17.2	102	0.00
28	T	dibromomethane	0.151	0.133	11.9	102	-0.01
29	T	bromodichloromethane	0.343	0.279	18.7	100	-0.01
30	T	2-chloroethyl vinyl ether	0.000	0.000	0.0	0#	-10.44#
31	T	cis-1,3-dichloropropene	0.429	0.362	15.6	101	0.00
32	T	4-methyl-2-pentanone	0.968	0.912	5.8	96	0.00
33	S	toluene-d8	0.721	0.723	-0.3	104	-0.01
34	TC	toluene	0.796	0.628	21.1#	98	-0.01
35	T	Iodomethane	0.209	0.176	15.8	103	-0.01
36	T	trans-1,3-dichloropropene	0.368	0.310	15.8	98	0.00
37	T	Vinyl acetate	0.131	0.147	-12.2	99	0.00
38	T	Carbon disulfide	0.897	0.698	22.2	101	-0.01
39	I	bromochloropropane	1.000	1.000	0.0	102	-0.01
40	T	1,1,2-trichloroethane	1.557	1.355	13.0	97	0.00
41	T	tetrachloroethene	2.260	1.756	22.3	100	0.00
42	T	1,3-dichloropropane	3.331	2.856	14.3	96	0.00
43	T	2-hexanone	5.530	5.366	3.0	97	-0.01
44	T	dibromochloromethane	1.720	1.416	17.7	94	0.00

45	T	1,2-dibromoethane	1.865	1.664	10.8	98	0.00
46	TP	chlorobenzene	6.542	5.153	21.2	98	0.00
47	T	1,1,1,2-tetrachloroethane	1.724	1.425	17.3	98	0.00
48	TP	bromoform	1.146	0.895	21.9	85	0.00
49	S	4-bromofluorobenzene	2.946	2.931	0.5	105	-0.01
50	T	bromobenzene	2.171	1.734	20.1	94	0.00
51	TP	1,1,2,2-tetrachloroethane	2.519	2.319	7.9	97	0.00
52	T	1,2,3-trichloropropane	5.319	5.719	-7.5	97	-0.09
53		chlorobenzene-d5	1.000	1.000	0.0	105	-0.01
54	TC	ethylbenzene	2.007	1.583	21.1#	99	-0.01
55	T	m/p-xylene	0.740	0.581	21.5	99	0.00
56	T	styrene	1.035	0.831	19.7	98	0.00
57	T	o-xylene	0.683	0.542	20.6	97	0.00
58	T	isopropylbenzene	1.886	1.465	22.3	97	0.00
59	T	n-propyl benzene	2.355	1.882	20.1	99	0.00
60	T	2-chlorotoluene	0.373	0.291	22.0	97	-0.01
61	T	4-chlorotoluene	0.387	0.315	18.6	97	0.00
62	T	1,3,5-trimethylbenzene	1.527	1.212	20.6	99	0.00
63	T	tert-butylbenzene	1.266	0.977	22.8	97	0.00
64	T	1,2,4-trimethylbenzene	1.515	1.200	20.8	97	0.00
65	T	sec-butylbenzene	2.110	1.664	21.1	98	0.00
66	T	1,3-dichlorobenzene	0.710	0.564	20.6	95	0.00
67	T	4-isopropyltoluene	1.646	1.306	20.7	98	0.00
68	T	1,4-dichlorobenzene	0.718	0.581	19.1	97	-0.01
69	T	1,2-dichlorobenzene	0.631	0.515	18.4	99	0.00
70	T	n-butylbenzene	1.725	1.365	20.9	100	0.00
71	T	1,2-dibromo-3-chloropropane	0.487	0.467	4.1	96	0.00
72	T	1,2,4-trichlorobenzene	0.446	0.360	19.3	93	0.00
73	T	hexachlorobutadiene	0.185	0.141	23.8	88	0.00
74	T	naphthalene	1.218	1.039	14.7	90	-0.01
75	T	trans-1,4-Dichloro-2-butene	0.373	0.350	6.2	98	0.00
76	T	1,2,3-trichlorobenzene	0.409	0.325	20.5	90	0.00
77	T	MTBE	1.065	0.919	13.7	98	0.00
78	T	DIPE	1.776	1.441	18.9	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 3

0706320.D 8260SSC.M Thu Jul 14 07:40:05 2005 X

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707302.D Vial: 2
Acq On : 7 Jul 2005 5:31 am Operator: RNP
Sample : QCCHK020 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 6:02 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	3792260	50.00	ppb	-0.01
39) bromochloropropane	11.73	79	477609	50.00	ppb	-0.01
53) chlorobenzene-d5	13.54	117	2831452	50.00	ppb	-0.01
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.96	65	1177233	49.54	ppb	0.00
Spiked Amount 50.000			Recovery = 99.08%			
33) toluene-d8	11.10	98	2743235	50.19	ppb	-0.01
Spiked Amount 50.000			Recovery = 100.38%			
49) 4-bromofluorobenzene	15.61	95	1400046	49.75	ppb	-0.01
Spiked Amount 50.000			Recovery = 99.50%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.90	85	386842	23.08	ppb #	87
3) chloromethane	2.11	50	548598	22.36	ppb #	85
4) vinyl chloride	2.24	62	584078	23.10	ppb	90
5) bromomethane	2.62	94	141481	20.62	ppb	94
6) chloroethane	2.75	64	288020	22.91	ppb #	88
7) trichlorofluoromethane	3.10	101	615615	23.36	ppb	96
8) acrolein	3.70	56	864012	46.56	ppb #	61
9) 1,1-dichloroethene	3.83	96	346525	18.94	ppb	91
10) acetone	3.94	43	385654	22.90	ppb	98
11) methylene chloride	4.60	84	454925	20.18	ppb	96
12) trans-1,2-dichloroethene	5.04	96	464330	19.53	ppb	94
13) acrylonitrile	5.01	53	2598335	28.13	ppb	90
14) 1,1-dichloroethane	5.72	63	863004	20.02	ppb	95
15) 2,2-dichloropropane	6.64	77	699920	20.36	ppb	95
16) cis-1,2-dichloroethene	6.66	96	482792	20.13	ppb	88
17) 2-butanone	6.71	43	775993	23.22	ppb #	100
18) bromochloromethane	7.03	128	181201	21.05	ppb	89
19) chloroform	7.18	83	756366	20.06	ppb	92
20) 1,1,1-trichloroethane	7.45	97	656651	19.46	ppb	89
21) carbon tetrachloride	7.71	117	567442	19.21	ppb	93
22) 1,1-dichloropropene	7.72	75	641434	19.08	ppb #	93
24) benzene	8.05	78	1971891	19.70	ppb	100
25) 1,2-dichloroethane	8.09	62	573508	20.61	ppb	99
26) trichloroethene	9.10	95	477070	19.43	ppb #	79
27) 1,2-dichloropropane	9.46	63	509527	20.70	ppb #	100
28) dibromomethane	9.65	93	251943	22.05	ppb #	95
29) bromodichloromethane	9.92	83	529549	20.37	ppb #	79
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.		
31) cis-1,3-dichloropropene	10.66	75	686083	21.07	ppb	97

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707302.D Vial: 2
Acq On : 7 Jul 2005 5:31 am Operator: RNP
Sample : QCCHK020 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 6:02 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
32) 4-methyl-2-pentanone	10.94	43	1729916	23.57 ppb	#	96
34) toluene	11.20	92	1191220	19.74 ppb		97
35) Iodomethane	4.05	142	332909	21.03 ppb		96
36) trans-1,3-dichloropropene	11.60	75	587183	21.04 ppb		98
37) Vinyl acetate	5.83	86	279277	42.11 ppb	#	1
38) Carbon disulfide	4.15	76	1322659	19.43 ppb		98
40) 1,1,2-trichloroethane	11.90	83	323506	21.75 ppb	#	81
41) tetrachloroethene	12.13	166	419277	19.42 ppb		93
42) 1,3-dichloropropane	12.17	76	682047	21.43 ppb	#	84
43) 2-hexanone	12.35	43	1281431	24.26 ppb	#	94
44) dibromochloromethane	12.55	129	338200	20.59 ppb		93
45) 1,2-dibromoethane	12.73	107	397254	22.30 ppb	#	79
46) chlorobenzene	13.59	112	1230530	19.69 ppb		99
47) 1,1,1,2-tetrachloroethane	13.74	131	340306	20.66 ppb		95
48) bromoform	15.03	173	213831	17.45 ppb	#	100
50) bromobenzene	15.87	156	414100	19.97 ppb		90
51) 1,1,2,2-tetrachloroethane	15.91	83	553756	23.02 ppb	#	64
52) 1,2,3-trichloropropane	16.00	75	1365690	23.82 ppb	#	8
54) ethylbenzene	13.80	91	2241004	19.72 ppb		98
55) m/p-xylene	14.00	106	1644902	39.27 ppb		94
56) styrene	14.72	104	1176677	20.07 ppb		100
57) o-xylene	14.69	106	767510	19.85 ppb		98
58) isopropylbenzene	15.35	105	2073871	19.42 ppb		100
59) n-propyl benzene	16.09	91	2664133	19.97 ppb		96
60) 2-chlorotoluene	16.22	126	411832	19.52 ppb		97
61) 4-chlorotoluene	16.42	126	445620	20.36 ppb		88
62) 1,3,5-trimethylbenzene	16.42	105	1716489	19.85 ppb		97
63) tert-butylbenzene	17.00	119	1383407	19.30 ppb		95
64) 1,2,4-trimethylbenzene	17.09	105	1698711	19.80 ppb		91
65) sec-butylbenzene	17.39	105	2355768	19.72 ppb		100
66) 1,3-dichlorobenzene	17.57	146	797881	19.84 ppb		95
67) 4-isopropyltoluene	17.67	119	1849638	19.84 ppb		93
68) 1,4-dichlorobenzene	17.73	146	822989	20.23 ppb		95
69) 1,2-dichlorobenzene	18.40	146	729300	20.42 ppb		95
70) n-butylbenzene	18.41	91	1932007	19.77 ppb		96
71) 1,2-dibromo-3-chloropropan	19.82	75	661042	23.95 ppb	#	44
72) 1,2,4-trichlorobenzene	21.34	180	509527	20.16 ppb	#	75
73) hexachlorobutadiene	21.68	225	199944	19.06 ppb		93
74) naphthalene	21.77	128	1470755	20.36 ppb		100
75) trans-1,4-Dichloro-2-buten	16.00	89	496180	23.51 ppb	#	72
76) 1,2,3-trichlorobenzene	22.22	180	460260	19.89 ppb		87

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707302.D Vial: 2
Acq On : 7 Jul 2005 5:31 am Operator: RNP
Sample : QCCHK020 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 6:02 2005 Quant Results File: 8260SSC.RES

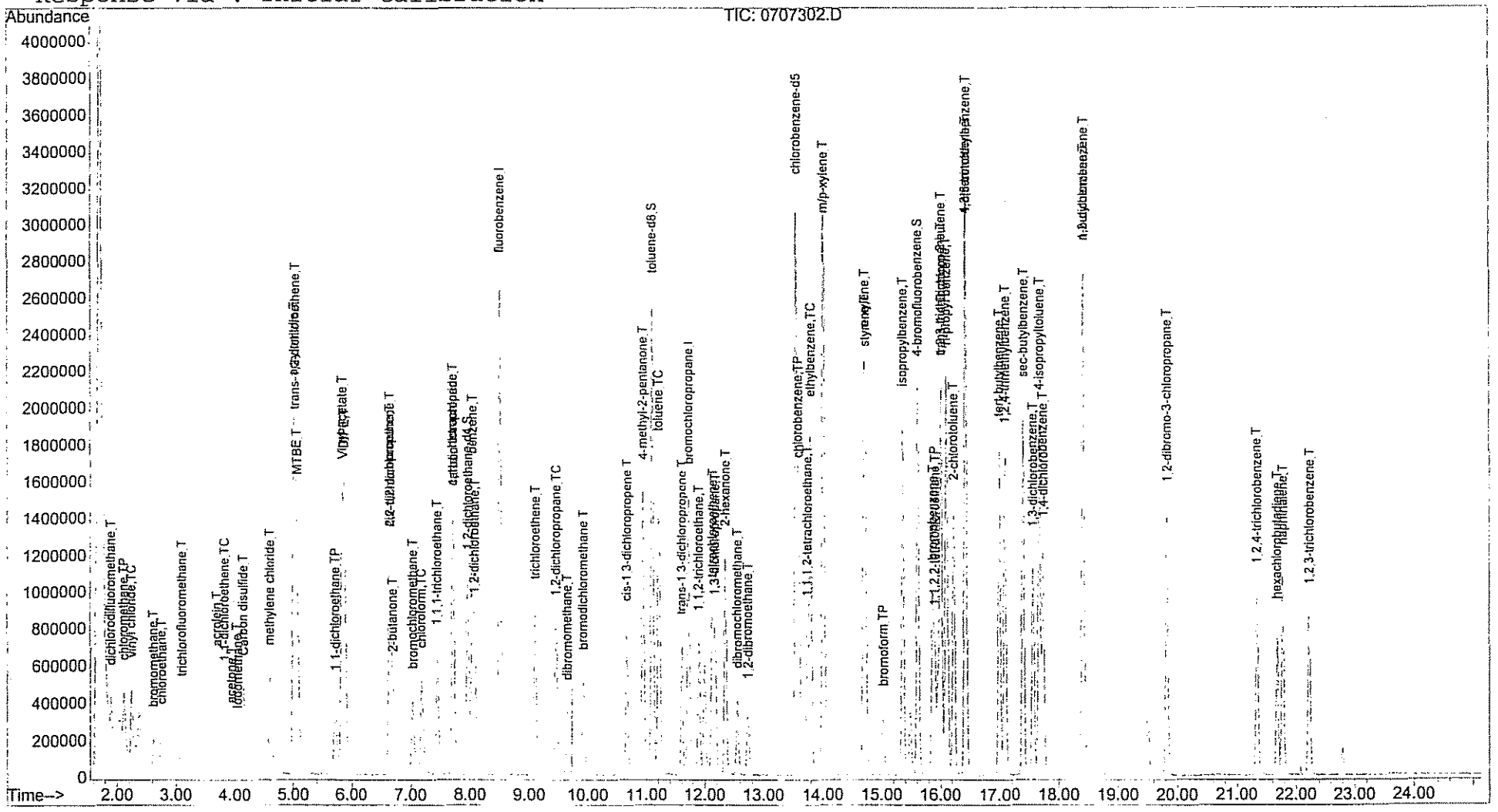
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.07	73	1300487	21.57 ppb	98
78) DIPE	5.88	45	2040645	20.29 ppb	97

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

Data File : G:\1\DATA\3070705\0707302.D Vial: 2
Acq On : 7 Jul 2005 5:31 am Operator: RNP
Sample : QCCHK020 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 6:02 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Evaluate Continuing Calibration Report

Data File : G:\1\DATA\3070705\0707303.D Vial: 3
Acq On : 7 Jul 2005 6:02 am Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : G:\1\DATA\3070705\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	99	-0.02
2	T	dichlorodifluoromethane	0.221	0.206	6.8	87	0.00
3	TP	chloromethane	0.323	0.305	5.6	87	0.00
4	TC	vinyl chloride	0.333	0.322	3.3	89	0.00
5	T	bromomethane	0.090	0.074	17.8	85	-0.03
6	T	chloroethane	0.162	0.000	100.0#	0#	-0.06
7	T	trichlorofluoromethane	0.347	0.315	9.2	84	-0.08
8	T	acrolein	0.305	0.424	-39.0#	320#	0.00
9	TC	1,1-dichloroethene	0.241	0.213	11.6	87	-0.04
10	T	acetone	0.230	0.206	10.4	130	0.03
11	T	methylene chloride	0.297	0.274	7.7	94	-0.02
12	T	trans-1,2-dichloroethene	0.314	0.275	12.4	86	-0.02
13	T	acrylonitrile	1.218	1.460	-19.9	134	0.00
14	TP	1,1-dichloroethane	0.568	0.520	8.5	89	-0.02
15	T	2,2-dichloropropane	0.453	0.407	10.2	89	-0.02
16	T	cis-1,2-dichloroethene	0.316	0.288	8.9	91	-0.01
17	T	2-butanone	0.424	0.485	-14.4	128	0.00
18	T	bromochloromethane	0.114	0.113	0.9	99	-0.02
19	TC	chloroform	0.497	0.460	7.4	91	-0.01
20	T	1,1,1-trichloroethane	0.445	0.400	10.1	86	-0.01
21	T	carbon tetrachloride	0.389	0.347	10.8	86	-0.02
22	T	1,1-dichloropropene	0.443	0.389	12.2	85	-0.02
23	S	1,2-dichloroethane-d4	0.313	0.305	2.6	95	0.00
24	T	benzene	1.319	1.176	10.8	89	-0.02
25	T	1,2-dichloroethane	0.367	0.359	2.2	104	-0.01
26	T	trichloroethene	0.324	0.287	11.4	88	-0.01
27	TC	1,2-dichloropropane	0.325	0.306	5.8	93	-0.01
28	T	dibromomethane	0.151	0.151	0.0	106	-0.02
29	T	bromodichloromethane	0.343	0.332	3.2	97	-0.01
30	T	2-chloroethyl vinyl ether	0.000	0.000	0.0	0#	-10.44#
31	T	cis-1,3-dichloropropene	0.429	0.410	4.4	97	-0.01
32	T	4-methyl-2-pentanone	0.968	1.068	-10.3	121	0.00
33	S	toluene-d8	0.721	0.722	-0.1	98	-0.02
34	TC	toluene	0.796	0.717	9.9	88	-0.02
35	T	Iodomethane	0.209	0.179	14.4	83	-0.03
36	T	trans-1,3-dichloropropene	0.368	0.373	-1.4	104	0.00
37	T	Vinyl acetate	0.131	0.156	-19.1	182#	0.00
38	T	Carbon disulfide	0.897	0.785	12.5	84	-0.04
39	I	bromochloropropane	1.000	1.000	0.0	99	-0.02
40	T	1,1,2-trichloroethane	1.557	1.551	0.4	105	-0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : G:\1\DATA\3070705\0707303.D Vial: 3
Acq On : 7 Jul 2005 6:02 am Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : G:\1\DATA\3070705\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)
41	T	tetrachloroethene	2.260	2.011	11.0	88	-0.02
42	T	1,3-dichloropropane	3.331	3.322	0.3	105	-0.01
43	T	2-hexanone	5.530	6.363	-15.1	125	-0.01
44	T	dibromochloromethane	1.720	1.691	1.7	102	0.00
45	T	1,2-dibromoethane	1.865	1.929	-3.4	110	0.00
46	TP	chlorobenzene	6.542	5.904	9.8	90	0.00
47	T	1,1,1,2-tetrachloroethane	1.724	1.590	7.8	93	0.00
48	TP	bromoform	1.146	1.251	-9.2	110	-0.01
49	S	4-bromofluorobenzene	2.946	3.070	-4.2	99	-0.02
50	T	bromobenzene	2.171	2.037	6.2	94	0.00
51	TP	1,1,2,2-tetrachloroethane	2.519	2.755	-9.4	114	0.00
52	T	1,2,3-trichloropropane	5.319	6.828	-28.4#	118	-0.09
53		chlorobenzene-d5	1.000	1.000	0.0	98	-0.02
54	TC	ethylbenzene	2.007	1.822	9.2	89	-0.02
55	T	m/p-xylene	0.740	0.664	10.3	89	-0.01
56	T	styrene	1.035	0.945	8.7	91	-0.01
57	T	o-xylene	0.683	0.620	9.2	89	-0.01
58	T	isopropylbenzene	1.886	1.696	10.1	87	-0.01
59	T	n-propyl benzene	2.355	2.187	7.1	87	0.00
60	T	2-chlorotoluene	0.373	0.334	10.5	89	-0.02
61	T	4-chlorotoluene	0.387	0.352	9.0	92	-0.01
62	T	1,3,5-trimethylbenzene	1.527	1.388	9.1	88	-0.01
63	T	tert-butylbenzene	1.266	1.138	10.1	88	0.00
64	T	1,2,4-trimethylbenzene	1.515	1.398	7.7	89	0.00
65	T	sec-butylbenzene	2.110	1.921	9.0	87	0.00
66	T	1,3-dichlorobenzene	0.710	0.660	7.0	94	0.00
67	T	4-isopropyltoluene	1.646	1.515	8.0	90	0.00
68	T	1,4-dichlorobenzene	0.718	0.672	6.4	95	-0.02
69	T	1,2-dichlorobenzene	0.631	0.596	5.5	97	-0.01
70	T	n-butylbenzene	1.725	1.590	7.8	90	-0.01
71	T	1,2-dibromo-3-chloropropane	0.487	0.575	-18.1	129	-0.01
72	T	1,2,4-trichlorobenzene	0.446	0.435	2.5	101	-0.01
73	T	hexachlorobutadiene	0.185	0.171	7.6	93	0.00
74	T	naphthalene	1.218	1.201	1.4	107	-0.01
75	T	trans-1,4-Dichloro-2-butene	0.373	0.416	-11.5	119	0.00
76	T	1,2,3-trichlorobenzene	0.409	0.397	2.9	103	-0.01
77	T	MTBE	1.065	1.071	-0.6	105	0.00
78	T	DIPE	1.776	1.600	9.9	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070705\0707303.D
Acq On : 7 Jul 2005 6:02 am
Sample : QCCHK100
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 6:36 2005

Vial: 3
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	3357720	50.00	ppb	-0.02
39) bromochloropropane	11.72	79	424858	50.00	ppb	-0.02
53) chlorobenzene-d5	13.53	117	2559682	50.00	ppb	-0.02
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.96	65	1023330	49.28	ppb	0.00
Spiked Amount 50.000			Recovery = 98.56%			
33) toluene-d8	11.09	98	2425192	49.68	ppb	-0.02
Spiked Amount 50.000			Recovery = 99.36%			
49) 4-bromofluorobenzene	15.61	95	1304495	51.32	ppb	-0.02
Spiked Amount 50.000			Recovery = 102.64%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.89	85	1385692	75.81	ppb #	82
3) chloromethane	2.11	50	2047500	79.73	ppb #	86
4) vinyl chloride	2.24	62	2164528	79.61	ppb #	88
5) bromomethane	2.60	94	496635	78.46	ppb	98
6) chloroethane	2.71	64	389040	45.04	ppb	92
7) trichlorofluoromethane	3.03	101	2116353m	76.00	ppb	
8) acrolein	3.70	56	2850049	6443.36	ppb #	59
9) 1,1-dichloroethene	3.80	96	1430593	81.98	ppb	93
10) acetone	3.96	43	1380335	163.30	ppb	95
11) methylene chloride	4.58	84	1837828	90.59	ppb	91
12) trans-1,2-dichloroethene	5.02	96	1848992	82.82	ppb	94
13) acrylonitrile	5.02	53	9807433	1475.58	ppb	91
14) 1,1-dichloroethane	5.71	63	3493332	83.45	ppb	94
15) 2,2-dichloropropane	6.62	77	2734249	86.92	ppb	93
16) cis-1,2-dichloroethene	6.64	96	1936762	88.24	ppb	88
17) 2-butanone	6.71	43	3256580	155.21	ppb #	100
18) bromochloromethane	7.02	128	758463	98.86	ppb	83
19) chloroform	7.18	83	3088449	86.81	ppb	94
20) 1,1,1-trichloroethane	7.44	97	2682900	82.00	ppb	92
21) carbon tetrachloride	7.70	117	2333031	82.22	ppb	100
22) 1,1-dichloropropene	7.71	75	2615465	81.53	ppb #	95
24) benzene	8.03	78	7900699	82.73	ppb	99
25) 1,2-dichloroethane	8.07	62	2412473	97.43	ppb	99
26) trichloroethene	9.09	95	1927468	83.00	ppb	87
27) 1,2-dichloropropane	9.44	63	2052446	88.60	ppb #	100
28) dibromomethane	9.64	93	1014520	107.09	ppb #	99
29) bromodichloromethane	9.92	83	2228358	93.36	ppb #	82
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.		
31) cis-1,3-dichloropropene	10.66	75	2752546	93.73	ppb	97

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070705\0707303.D Vial: 3
Acq On : 7 Jul 2005 6:02 am Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 6:36 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	7175010	134.52	ppb	#	96
34)	toluene	11.20	92	4814862	85.44	ppb		98
35)	Iodomethane	4.02	142	1205042	75.67	ppb	#	87
36)	trans-1,3-dichloropropene	11.59	75	2506574	100.70	ppb		98
37)	Vinyl acetate	5.83	86	1047422	268.92	ppb	#	1
38)	Carbon disulfide	4.11	76	5269761	79.05	ppb	#	96
40)	1,1,2-trichloroethane	11.89	83	1317582	107.19	ppb	#	80
41)	tetrachloroethene	12.12	166	1709175	85.93	ppb		92
42)	1,3-dichloropropane	12.16	76	2823038	103.11	ppb	#	83
43)	2-hexanone	12.34	43	5406843	146.07	ppb	#	95
44)	dibromochloromethane	12.55	129	1436501	101.56	ppb		91
45)	1,2-dibromoethane	12.73	107	1639402	112.71	ppb	#	78
46)	chlorobenzene	13.58	112	5016637	88.23	ppb		99
47)	1,1,1,2-tetrachloroethane	13.73	131	1350971	88.79	ppb		98
48)	bromoform	15.02	173	1062991	116.33	ppb	#	100
50)	bromobenzene	15.86	156	1731115	93.04	ppb		91
51)	1,1,2,2-tetrachloroethane	15.90	83	2340743	123.46	ppb	#	60
52)	1,2,3-trichloropropane	16.00	75	5801600	133.18	ppb	#	10
54)	ethylbenzene	13.79	91	9326809	86.42	ppb		99
55)	m/p-xylene	14.00	106	6799110	167.31	ppb		96
56)	styrene	14.72	104	4837287	87.69	ppb		100
57)	o-xylene	14.69	106	3172842	85.70	ppb		98
58)	isopropylbenzene	15.35	105	8681521	84.97	ppb		98
59)	n-propyl benzene	16.09	91	11193545	87.93	ppb		95
60)	2-chlorotoluene	16.22	126	1708816	84.16	ppb		99
61)	4-chlorotoluene	16.41	126	1804075	87.89	ppb		90
62)	1,3,5-trimethylbenzene	16.41	105	7107009	84.39	ppb		96
63)	tert-butylbenzene	17.00	119	5825787	83.60	ppb		96
64)	1,2,4-trimethylbenzene	17.08	105	7157790	85.62	ppb		94
65)	sec-butylbenzene	17.39	105	9832816	85.79	ppb		99
66)	1,3-dichlorobenzene	17.57	146	3380119	88.44	ppb		96
67)	4-isopropyltoluene	17.67	119	7756159	85.58	ppb		93
68)	1,4-dichlorobenzene	17.72	146	3438974	90.00	ppb		92
69)	1,2-dichlorobenzene	18.39	146	3051314	92.25	ppb		93
70)	n-butylbenzene	18.40	91	8139023	86.63	ppb		100
71)	1,2-dibromo-3-chloropropan	19.81	75	2945617	143.32	ppb	#	46
72)	1,2,4-trichlorobenzene	21.33	180	2225083	101.47	ppb		83
73)	hexachlorobutadiene	21.68	225	873562	89.43	ppb		94
74)	naphthalene	21.77	128	6146673	116.28	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	2129715	131.83	ppb	#	73
76)	1,2,3-trichlorobenzene	22.22	180	2032153	104.20	ppb		91

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070705\0707303.D Vial: 3
Acq On : 7 Jul 2005 6:02 am Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p)
Quant Time: Jul 7 6:36 2005 Quant Results File: 8260SSC.RES

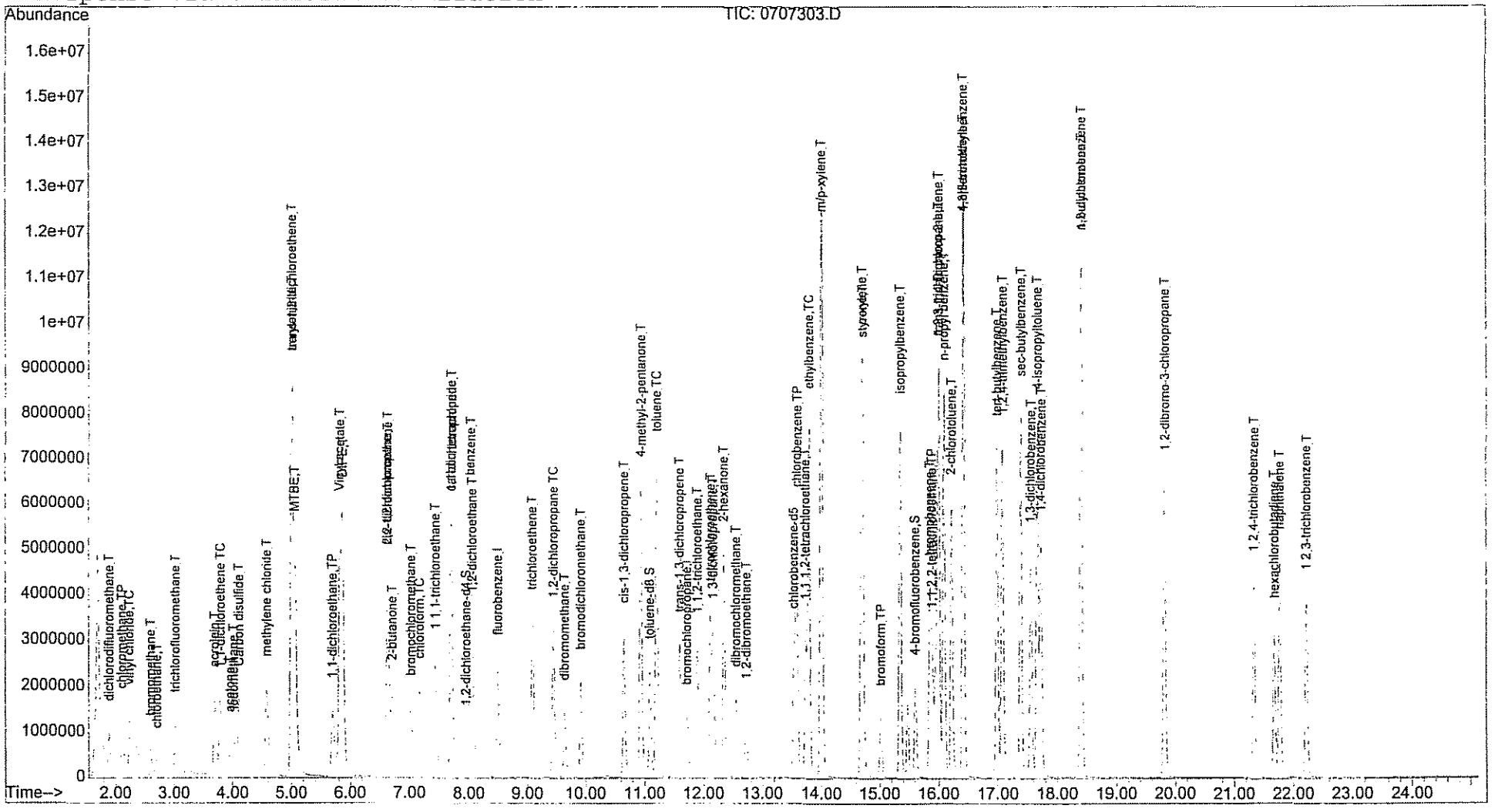
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.07	73	5484192	99.99 ppb	98
78) DIPE	5.88	45	8192864	84.71 ppb	98

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

Data File : G:\1\DATA\3070705\0707303.D Vial: 3
Acq On : 7 Jul 2005 6:02 am Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 6:36 2005 Quant Results File: 8260SSC.RES

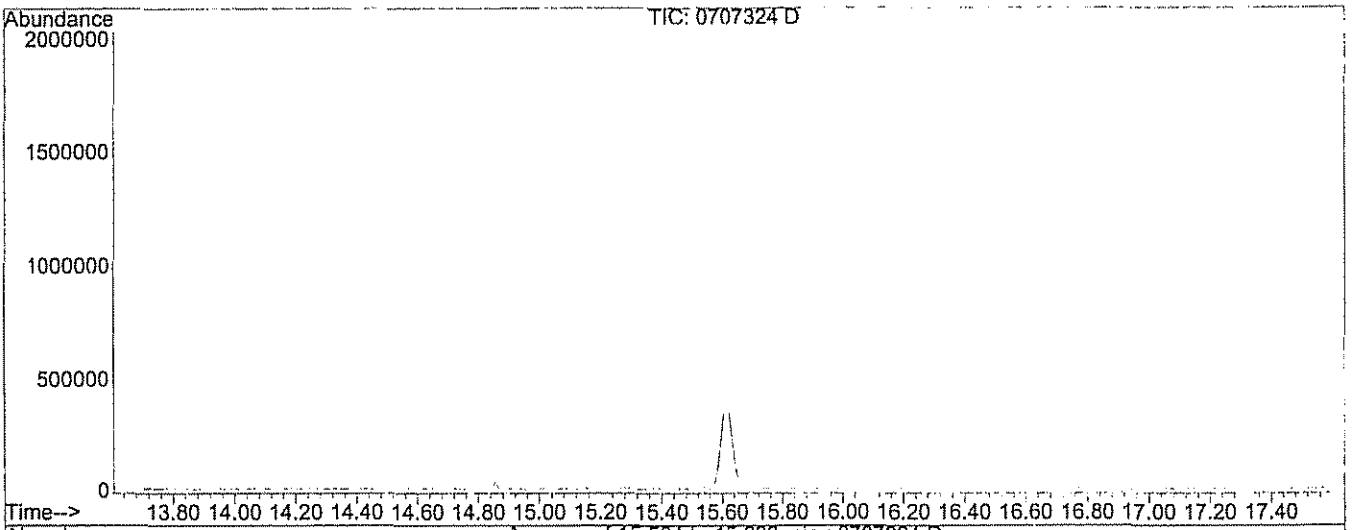
Method : G:\1\DATA\3070705\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration

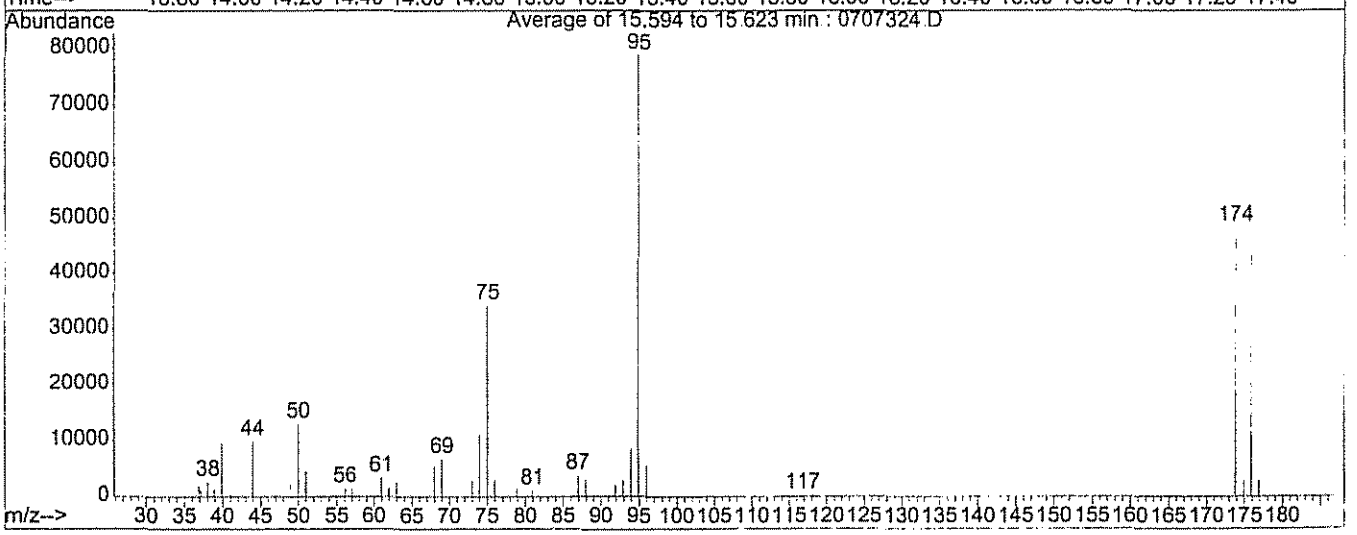


BFB

Data File : G:\1\DATA\3070705\0707324.D
Acq On : 7 Jul 2005 5:00 pm
Sample : 50 g bfb
Misc :
MS Integration Params: rteint.p
Method : G:\1\DATA\3070705\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX

Vial: 24
Operator: RNP
Inst : MSD3
Multiplr: 1.00





Spectrum Information: Average of 15.594 to 15.623 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	12957	PASS
75	95	30	60	43.4	34252	PASS
95	95	100	100	100.0	78844	PASS
96	95	5	9	7.2	5665	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	61.3	48328	PASS
175	174	5	9	5.9	2858	PASS
176	174	95	101	98.6	47642	PASS
177	176	5	9	6.1	2888	PASS

0707324.D 8260SSC.M Thu Jul 14 07:42:17 2005 X

Evaluate Continuing Calibration Report

Data File : G:\1\DATA\3070705\0707325.D Vial: 25
Acq On : 7 Jul 2005 5:30 pm Operator: RNP
Sample : QCCHK025 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : G:\1\DATA\3070705\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	79	0.00
2	T	dichlorodifluoromethane	0.221	0.289	-30.8#	103	0.00
3	TP	chloromethane	0.323	0.386	-19.5	86	0.01
4	TC	vinyl chloride	0.333	0.427	-28.2#	102	0.00
5	T	bromomethane	0.090	0.109	-21.1	110	-0.01
6	T	chloroethane	0.162	0.207	-27.8#	103	-0.01
7	T	trichlorofluoromethane	0.347	0.471	-35.7#	109	0.00
8	T	acrolein	0.305	0.212	30.5#	32#	0.01
9	TC	1,1-dichloroethene	0.241	0.264	-9.5	102	0.00
10	T	acetone	0.230	0.230	0.0	80	0.00
11	T	methylene chloride	0.297	0.290	2.4	91	0.00
12	T	trans-1,2-dichloroethene	0.314	0.338	-7.6	104	0.00
13	T	acrylonitrile	1.218	1.488	-22.2	74	0.00
14	TP	1,1-dichloroethane	0.568	0.595	-4.8	99	0.00
15	T	2,2-dichloropropane	0.453	0.492	-8.6	104	0.00
16	T	cis-1,2-dichloroethene	0.316	0.325	-2.8	101	0.00
17	T	2-butanone	0.424	0.436	-2.8	77	0.00
18	T	bromochloromethane	0.114	0.113	0.9	88	0.00
19	TC	chloroform	0.497	0.514	-3.4	97	0.00
20	T	1,1,1-trichloroethane	0.445	0.495	-11.2	109	0.00
21	T	carbon tetrachloride	0.389	0.428	-10.0	109	0.00
22	T	1,1-dichloropropene	0.443	0.479	-8.1	106	0.00
23	S	1,2-dichloroethane-d4	0.313	0.331	-5.8	83	0.00
24	T	benzene	1.319	1.376	-4.3	101	-0.01
25	T	1,2-dichloroethane	0.367	0.359	2.2	87	0.00
26	T	trichloroethene	0.324	0.339	-4.6	102	0.00
27	TC	1,2-dichloropropane	0.325	0.335	-3.1	97	0.00
28	T	dibromomethane	0.151	0.145	4.0	84	0.00
29	T	bromodichloromethane	0.343	0.338	1.5	92	-0.02
30	T	2-chloroethyl vinyl ether	0.000	0.000	0.0	0#	-10.44#
31	T	cis-1,3-dichloropropene	0.429	0.434	-1.2	92	0.00
32	T	4-methyl-2-pentanone	0.968	0.972	-0.4	78	0.00
33	S	toluene-d8	0.721	0.746	-3.5	82	0.00
34	TC	toluene	0.796	0.855	-7.4	102	0.00
35	T	Iodomethane	0.209	0.222	-6.2	99	0.00
36	T	trans-1,3-dichloropropene	0.368	0.359	2.4	86	0.00
37	T	Vinyl acetate	0.131	0.081	38.2#	42#	0.00
38	T	Carbon disulfide	0.897	0.951	-6.0	104	0.00
39	I	bromochloropropane	1.000	1.000	0.0	79	-0.02
40	T	1,1,2-trichloroethane	1.557	1.497	3.9	83	0.00
41	T	tetrachloroethene	2.260	2.446	-8.2	109	0.00
42	T	1,3-dichloropropane	3.331	3.231	3.0	84	0.00
43	T	2-hexanone	5.530	5.583	-1.0	78	-0.02
44	T	dibromochloromethane	1.720	1.626	5.5	84	0.00

45	T	1,2-dibromoethane	1.865	1.759	5.7	80	0.00
46	TP	chlorobenzene	6.542	6.622	-1.2	97	0.00
47	T	1,1,1,2-tetrachloroethane	1.724	1.741	-1.0	93	0.00
48	TP	bromoform	1.146	1.063	7.2	78	-0.01
49	S	4-bromofluorobenzene	2.946	2.921	0.8	81	0.00
50	T	bromobenzene	2.171	2.161	0.5	92	0.00
51	TP	1,1,2,2-tetrachloroethane	2.519	2.502	0.7	81	0.00
52	T	1,2,3-trichloropropane	5.319	5.804	-9.1	76	-0.09
53		chlorobenzene-d5	1.000	1.000	0.0	82	-0.02
54	TC	ethylbenzene	2.007	2.118	-5.5	104	-0.02
55	T	m/p-xylene	0.740	0.773	-4.5	104	0.00
56	T	styrene	1.035	1.028	0.7	95	-0.01
57	T	o-xylene	0.683	0.704	-3.1	100	-0.01
58	T	isopropylbenzene	1.886	1.961	-4.0	102	0.00
59	T	n-propyl benzene	2.355	2.494	-5.9	103	0.00
60	T	2-chlorotoluene	0.373	0.375	-0.5	98	0.00
61	T	4-chlorotoluene	0.387	0.383	1.0	93	0.00
62	T	1,3,5-trimethylbenzene	1.527	1.564	-2.4	100	0.00
63	T	tert-butylbenzene	1.266	1.312	-3.6	103	0.00
64	T	1,2,4-trimethylbenzene	1.515	1.551	-2.4	98	0.00
65	T	sec-butylbenzene	2.110	2.224	-5.4	103	0.00
66	T	1,3-dichlorobenzene	0.710	0.694	2.3	92	0.00
67	T	4-isopropyltoluene	1.646	1.730	-5.1	102	0.00
68	T	1,4-dichlorobenzene	0.718	0.719	-0.1	95	0.00
69	T	1,2-dichlorobenzene	0.631	0.611	3.2	93	-0.01
70	T	n-butylbenzene	1.725	1.765	-2.3	102	0.00
71	T	1,2-dibromo-3-chloropropane	0.487	0.485	0.4	79	-0.01
72	T	1,2,4-trichlorobenzene	0.446	0.409	8.3	83	0.00
73	T	hexachlorobutadiene	0.185	0.193	-4.3	95	0.00
74	T	naphthalene	1.218	1.013	16.8	69	-0.02
75	T	trans-1,4-Dichloro-2-butene	0.373	0.344	7.8	75	0.00
76	T	1,2,3-trichlorobenzene	0.409	0.376	8.1	82	-0.01
77	T	MTBE	1.065	1.020	4.2	85	0.00
78	T	DIPE	1.776	1.758	1.0	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1

0706320.D 8260SSC.M Thu Jul 14 07:42:39 2005 X

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707325.D
Acq On : 7 Jul 2005 5:30 pm
Sample : QCCHK025
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 17:55 2005

Vial: 25
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	8.51	96	2881135	50.00	ppb		0.00
39) bromochloropropane	11.72	79	371104	50.00	ppb		-0.02
53) chlorobenzene-d5	13.53	117	2227215	50.00	ppb		-0.02
System Monitoring Compounds							
23) 1,2-dichloroethane-d4	7.97	65	953836	53.53	ppb		0.00
Spiked Amount 50.000			Recovery	=	107.06%		
33) toluene-d8	11.10	98	2148633	51.30	ppb		0.00
Spiked Amount 50.000			Recovery	=	102.60%		
49) 4-bromofluorobenzene	15.61	95	1084055	48.82	ppb		0.00
Spiked Amount 50.000			Recovery	=	97.64%		
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.90	85	416168	26.53	ppb		93
3) chloromethane	2.12	50	556754	25.27	ppb	#	84
4) vinyl chloride	2.24	62	615495	26.38	ppb	#	89
5) bromomethane	2.62	94	156542	26.02	ppb		95
6) chloroethane	2.76	64	297921	34.03	ppb	#	87
7) trichlorofluoromethane	3.11	101	677986	28.38	ppb		90
8) acrolein	3.71	56	305823	367.37	ppb	#	60
9) 1,1-dichloroethene	3.83	96	379912	25.37	ppb		90
10) acetone	3.94	43	330652	38.04	ppb		99
11) methylene chloride	4.60	84	417413	23.98	ppb		89
12) trans-1,2-dichloroethene	5.05	96	487458	25.45	ppb		89
13) acrylonitrile	5.01	53	2144082	375.95	ppb		91
14) 1,1-dichloroethane	5.72	63	857713	23.88	ppb	#	92
15) 2,2-dichloropropane	6.64	77	708839	26.26	ppb		95
16) cis-1,2-dichloroethene	6.65	96	468357	24.87	ppb		88
17) 2-butanone	6.71	43	627637	34.86	ppb	#	100
18) bromochloromethane	7.04	128	162329	24.66	ppb	#	82
19) chloroform	7.19	83	740954	24.27	ppb		93
20) 1,1,1-trichloroethane	7.45	97	712511	25.38	ppb		89
21) carbon tetrachloride	7.72	117	616912	25.34	ppb		99
22) 1,1-dichloropropene	7.72	75	690740	25.09	ppb	#	93
24) benzene	8.04	78	1982927	24.20	ppb		95
25) 1,2-dichloroethane	8.08	62	517336	24.35	ppb		98
26) trichloroethene	9.10	95	488519	24.52	ppb		90
27) 1,2-dichloropropane	9.45	63	482005	24.25	ppb	#	100
28) dibromomethane	9.65	93	209468	25.77	ppb	#	94
29) bromodichloromethane	9.92	83	486909	23.77	ppb	#	82
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.67	75	624555	24.79	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707325.D Vial: 25
Acq On : 7 Jul 2005 5:30 pm Operator: RNP
Sample : QCCHK025 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 17:55 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	1400000	30.59	ppb	#	96
34)	toluene	11.21	92	1231058	25.46	ppb		99
35)	Iodomethane	4.05	142	320273	23.44	ppb		93
36)	trans-1,3-dichloropropene	11.59	75	517121	24.21	ppb		92
37)	Vinyl acetate	5.84	86	117061	35.03	ppb	#	1
38)	Carbon disulfide	4.15	76	1370264	23.96	ppb	#	95
40)	1,1,2-trichloroethane	11.90	83	277861	25.88	ppb	#	80
41)	tetrachloroethene	12.13	166	453862	26.12	ppb		89
42)	1,3-dichloropropane	12.17	76	599500	25.07	ppb	#	84
43)	2-hexanone	12.34	43	1035976	32.04	ppb	#	96
44)	dibromochloromethane	12.55	129	301676	24.42	ppb		94
45)	1,2-dibromoethane	12.73	107	326409	25.69	ppb	#	77
46)	chlorobenzene	13.58	112	1228771	24.74	ppb		98
47)	1,1,1,2-tetrachloroethane	13.74	131	323002	24.30	ppb		97
48)	bromoform	15.02	173	197230	25.79	ppb	#	100
50)	bromobenzene	15.86	156	401050	24.68	ppb		97
51)	1,1,2,2-tetrachloroethane	15.90	83	464232	28.03	ppb	#	62
52)	1,2,3-trichloropropane	16.00	75	1076982	29.91	ppb	#	9
54)	ethylbenzene	13.79	91	2359026	25.12	ppb		99
55)	m/p-xylene	14.01	106	1721630	48.69	ppb		94
56)	styrene	14.72	104	1145033	23.86	ppb		100
57)	o-xylene	14.69	106	784312	24.35	ppb		99
58)	isopropylbenzene	15.36	105	2183914	24.56	ppb		100
59)	n-propyl benzene	16.09	91	2777619	25.08	ppb		97
60)	2-chlorotoluene	16.23	126	417642	23.64	ppb		99
61)	4-chlorotoluene	16.42	126	426810	23.90	ppb		94
62)	1,3,5-trimethylbenzene	16.42	105	1741192	23.76	ppb		97
63)	tert-butylbenzene	16.99	119	1461504	24.10	ppb		96
64)	1,2,4-trimethylbenzene	17.08	105	1727644	23.75	ppb		92
65)	sec-butylbenzene	17.39	105	2476801	24.84	ppb		99
66)	1,3-dichlorobenzene	17.57	146	772891	23.24	ppb		93
67)	4-isopropyltoluene	17.67	119	1926039	24.42	ppb		94
68)	1,4-dichlorobenzene	17.73	146	800792	24.09	ppb		89
69)	1,2-dichlorobenzene	18.39	146	680425	23.64	ppb		92
70)	n-butylbenzene	18.41	91	1965560	24.04	ppb		97
71)	1,2-dibromo-3-chloropropan	19.81	75	539819	30.19	ppb	#	57
72)	1,2,4-trichlorobenzene	21.34	180	455389	23.87	ppb	#	79
73)	hexachlorobutadiene	21.68	225	214764	25.27	ppb		98
74)	naphthalene	21.77	128	1127939	24.52	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	383197	27.26	ppb	#	69
76)	1,2,3-trichlorobenzene	22.22	180	419227	24.70	ppb		93

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707325.D
Acq On : 7 Jul 2005 5:30 pm
Sample : QCCHK025
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 17:55 2005

Vial: 25
Operator: RNP
Inst : MSD3
Multiplr: 1.00
Quant Results File: 8260SSC.RES

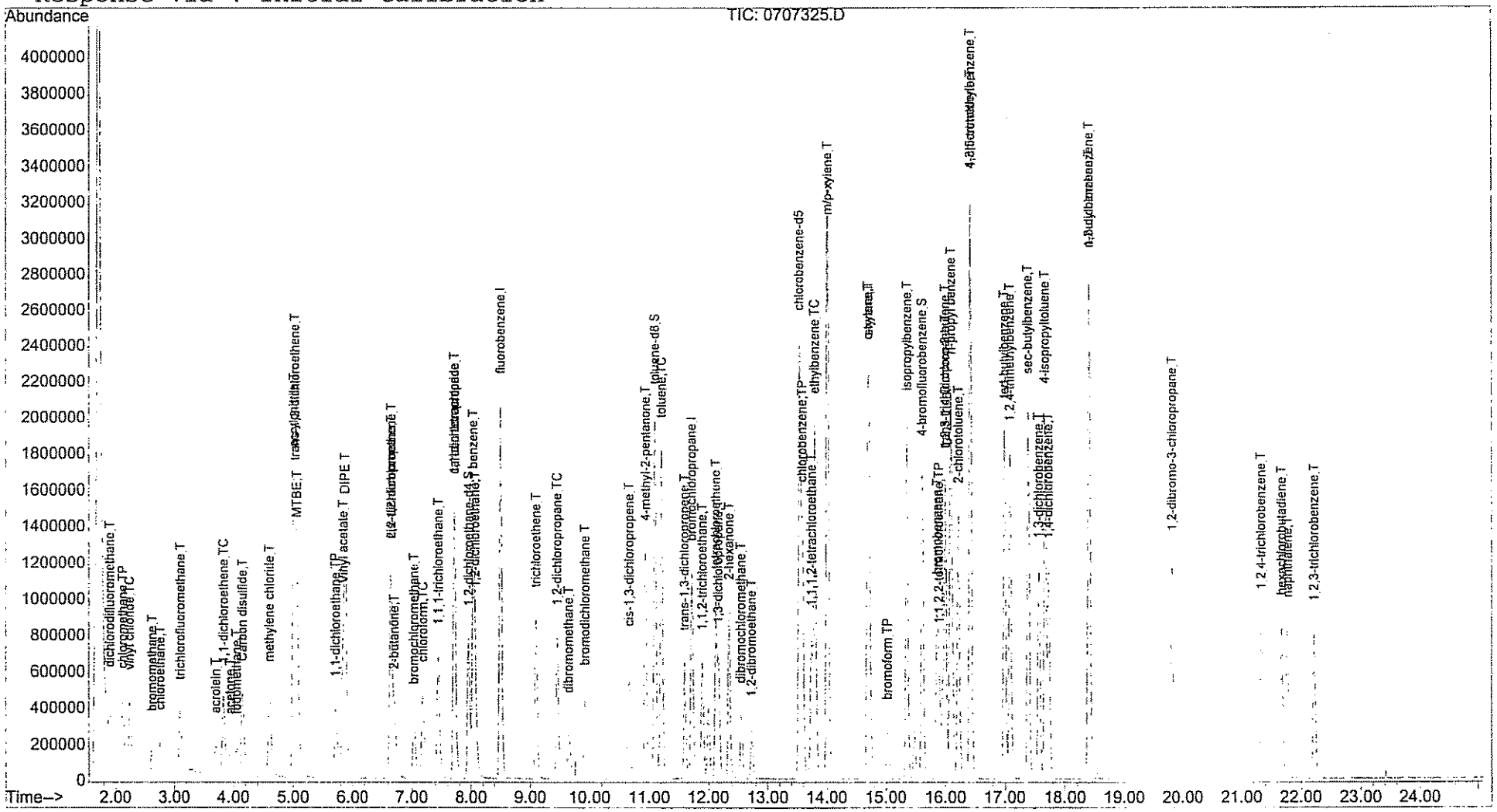
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.08	73	1136136	23.81 ppb	96
78) DIPE	5.88	45	1958024	23.27 ppb	94

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

Data File : G:\1\DATA\3070705\0707325.D Vial: 25
Acq On : 7 Jul 2005 5:30 pm Operator: RNP
Sample : QCCHK025 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 17:55 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Evaluate Continuing Calibration Report

Data File : G:\1\DATA\3070705\0707326.D Vial: 26
Acq On : 7 Jul 2005 6:01 pm Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : G:\1\DATA\3070705\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	86	0.00
2	T	dichlorodifluoromethane	0.221	0.263	-19.0	96	0.00
3	TP	chloromethane	0.323	0.360	-11.5	89	0.01
4	TC	vinyl chloride	0.333	0.395	-18.6	94	0.00
5	T	bromomethane	0.090	0.092	-2.2	91	-0.03
6	T	chloroethane	0.162	0.000	100.0#	0#	-0.05
7	T	trichlorofluoromethane	0.347	0.420	-21.0	97	-0.05
8	T	acrolein	0.305	0.143	53.1#	93	0.00
9	TC	1,1-dichloroethene	0.241	0.280	-16.2	99	-0.03
10	T	acetone	0.230	0.163	29.1#	90	0.01
11	T	methylene chloride	0.297	0.297	0.0	88	0.00
12	T	trans-1,2-dichloroethene	0.314	0.351	-11.8	94	0.00
13	T	acrylonitrile	1.218	1.147	5.8	91	0.00
14	TP	1,1-dichloroethane	0.568	0.622	-9.5	92	-0.02
15	T	2,2-dichloropropane	0.453	0.504	-11.3	95	-0.02
16	T	cis-1,2-dichloroethene	0.316	0.337	-6.6	91	0.00
17	T	2-butanone	0.424	0.384	9.4	87	0.00
18	T	bromochloromethane	0.114	0.113	0.9	86	-0.01
19	TC	chloroform	0.497	0.537	-8.0	92	0.00
20	T	1,1,1-trichloroethane	0.445	0.510	-14.6	95	-0.01
21	T	carbon tetrachloride	0.389	0.450	-15.7	96	-0.02
22	T	1,1-dichloropropene	0.443	0.498	-12.4	94	-0.02
23	S	1,2-dichloroethane-d4	0.313	0.298	4.8	81	0.00
24	T	benzene	1.319	1.412	-7.1	93	-0.02
25	T	1,2-dichloroethane	0.367	0.354	3.5	88	0.00
26	T	trichloroethene	0.324	0.355	-9.6	94	0.00
27	TC	1,2-dichloropropane	0.325	0.344	-5.8	91	0.00
28	T	dibromomethane	0.151	0.144	4.6	88	0.00
29	T	bromodichloromethane	0.343	0.352	-2.6	89	-0.02
30	T	2-chloroethyl vinyl ether	0.000	0.000	0.0	0#	-10.44#
31	T	cis-1,3-dichloropropene	0.429	0.441	-2.8	90	-0.01
32	T	4-methyl-2-pentanone	0.968	0.865	10.6	85	0.00
33	S	toluene-d8	0.721	0.735	-1.9	87	0.00
34	TC	toluene	0.796	0.889	-11.7	95	0.00
35	T	Iodomethane	0.209	0.223	-6.7	89	-0.03
36	T	trans-1,3-dichloropropene	0.368	0.366	0.5	88	0.00
37	T	Vinyl acetate	0.131	0.074	43.5#	75	0.00
38	T	Carbon disulfide	0.897	1.021	-13.8	95	-0.03
39	I	bromochloropropane	1.000	1.000	0.0	84	0.00
40	T	1,1,2-trichloroethane	1.557	1.522	2.2	88	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : G:\1\DATA\3070705\0707326.D Vial: 26
Acq On : 7 Jul 2005 6:01 pm Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : G:\1\DATA\3070705\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)
41	T	tetrachloroethene	2.260	2.605	-15.3	97	0.00
42	T	1,3-dichloropropane	3.331	3.291	1.2	88	0.00
43	T	2-hexanone	5.530	4.943	10.6	83	0.00
44	T	dibromochloromethane	1.720	1.698	1.3	88	0.00
45	T	1,2-dibromoethane	1.865	1.819	2.5	88	0.00
46	TP	chlorobenzene	6.542	6.961	-6.4	91	0.00
47	T	1,1,1,2-tetrachloroethane	1.724	1.816	-5.3	90	0.00
48	TP	bromoform	1.146	1.132	1.2	85	-0.02
49	S	4-bromofluorobenzene	2.946	3.124	-6.0	86	0.00
50	T	bromobenzene	2.171	2.291	-5.5	90	0.00
51	TP	1,1,2,2-tetrachloroethane	2.519	2.430	3.5	86	0.00
52	T	1,2,3-trichloropropane	5.319	5.709	-7.3	84	-0.08
53		chlorobenzene-d5	1.000	1.000	0.0	85	0.00
54	TC	ethylbenzene	2.007	2.278	-13.5	96	-0.02
55	T	m/p-xylene	0.740	0.812	-9.7	94	0.00
56	T	styrene	1.035	1.087	-5.0	91	-0.01
57	T	o-xylene	0.683	0.741	-8.5	93	0.00
58	T	isopropylbenzene	1.886	2.128	-12.8	95	0.00
59	T	n-propyl benzene	2.355	2.736	-16.2	94	0.00
60	T	2-chlorotoluene	0.373	0.404	-8.3	93	0.00
61	T	4-chlorotoluene	0.387	0.401	-3.6	91	0.00
62	T	1,3,5-trimethylbenzene	1.527	1.704	-11.6	94	0.00
63	T	tert-butylbenzene	1.266	1.426	-12.6	95	0.00
64	T	1,2,4-trimethylbenzene	1.515	1.670	-10.2	93	0.00
65	T	sec-butylbenzene	2.110	2.423	-14.8	95	0.00
66	T	1,3-dichlorobenzene	0.710	0.734	-3.4	91	0.00
67	T	4-isopropyltoluene	1.646	1.854	-12.6	95	0.00
68	T	1,4-dichlorobenzene	0.718	0.732	-1.9	90	0.00
69	T	1,2-dichlorobenzene	0.631	0.629	0.3	88	-0.01
70	T	n-butylbenzene	1.725	1.954	-13.3	95	0.00
71	T	1,2-dibromo-3-chloropropane	0.487	0.445	8.6	86	-0.02
72	T	1,2,4-trichlorobenzene	0.446	0.439	1.6	89	0.00
73	T	hexachlorobutadiene	0.185	0.208	-12.4	99	0.00
74	T	naphthalene	1.218	1.052	13.6	81	0.00
75	T	trans-1,4-Dichloro-2-butene	0.373	0.337	9.7	84	0.00
76	T	1,2,3-trichlorobenzene	0.409	0.382	6.6	86	-0.01
77	T	MTBE	1.065	1.026	3.7	87	0.00
78	T	DIPE	1.776	1.782	-0.3	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070705\0707326.D Vial: 26
Acq On : 7 Jul 2005 6:01 pm Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 19:15 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	2904979	50.00	ppb	0.00
39) bromochloropropane	11.73	79	362038	50.00	ppb	0.00
53) chlorobenzene-d5	13.54	117	2220568	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.96	65	865412	47.54	ppb	0.00
Spiked Amount 50.000			Recovery = 95.08%			
33) toluene-d8	11.10	98	2134838	50.98	ppb	0.00
Spiked Amount 50.000			Recovery = 101.96%			
49) 4-bromofluorobenzene	15.61	95	1130980	53.02	ppb	0.00
Spiked Amount 50.000			Recovery = 106.04%			

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.89	85	1527229	118.96	ppb	#	83
3) chloromethane	2.12	50	2093117	111.38	ppb	#	84
4) vinyl chloride	2.24	62	2296440	118.56	ppb	#	87
5) bromomethane	2.60	94	536218	102.01	ppb		95
6) chloroethane	2.72	64	447612	46.36	ppb		91
7) trichlorofluoromethane	3.06	101	2440929	120.91	ppb		96
8) acrolein	3.70	56	831429	70.76	ppb	#	59
9) 1,1-dichloroethene	3.81	96	1629029	116.20	ppb		90
10) acetone	3.95	43	948227	102.54	ppb		95
11) methylene chloride	4.59	84	1728415	100.08	ppb		93
12) trans-1,2-dichloroethene	5.04	96	2038110	111.89	ppb		94
13) acrylonitrile	5.02	53	6662881	94.16	ppb		91
14) 1,1-dichloroethane	5.71	63	3615824	109.52	ppb		95
15) 2,2-dichloropropane	6.63	77	2926721	111.14	ppb		94
16) cis-1,2-dichloroethene	6.65	96	1955778	106.47	ppb		86
17) 2-butanone	6.71	43	2231493	103.13	ppb	#	100
18) bromochloromethane	7.03	128	654308	99.22	ppb	#	79
19) chloroform	7.19	83	3119556	108.00	ppb		90
20) 1,1,1-trichloroethane	7.44	97	2960696	114.51	ppb	#	89
21) carbon tetrachloride	7.71	117	2612491	115.46	ppb		98
22) 1,1-dichloropropene	7.71	75	2892340	112.33	ppb	#	95
24) benzene	8.04	78	8204943	107.03	ppb		99
25) 1,2-dichloroethane	8.08	62	2054199	96.38	ppb		98
26) trichloroethene	9.10	95	2062285	109.65	ppb		87
27) 1,2-dichloropropane	9.45	63	2001098	106.13	ppb	#	100
28) dibromomethane	9.65	93	835230	95.41	ppb	#	98
29) bromodichloromethane	9.92	83	2046306	102.77	ppb	#	80
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.66	75	2560954	102.68	ppb		97

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070705\0707326.D Vial: 26
Acq On : 7 Jul 2005 6:01 pm Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 19:15 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
32)	4-methyl-2-pentanone	10.94	43	5023644	89.34	ppb	#	97
34)	toluene	11.21	92	5165428	111.74	ppb		95
35)	Iodomethane	4.03	142	1294407	106.72	ppb		89
36)	trans-1,3-dichloropropene	11.59	75	2124593	99.37	ppb		97
37)	Vinyl acetate	5.84	86	430734	84.79	ppb	#	1
38)	Carbon disulfide	4.13	76	5929619	113.73	ppb	#	96
40)	1,1,2-trichloroethane	11.90	83	1102011	97.74	ppb	#	80
41)	tetrachloroethene	12.12	166	1885945	115.25	ppb		92
42)	1,3-dichloropropane	12.17	76	2383255	98.80	ppb	#	83
43)	2-hexanone	12.35	43	3578969	89.37	ppb	#	94
44)	dibromochloromethane	12.56	129	1229134	98.72	ppb		88
45)	1,2-dibromoethane	12.73	107	1317337	97.55	ppb	#	84
46)	chlorobenzene	13.58	112	5040000	106.40	ppb		98
47)	1,1,1,2-tetrachloroethane	13.74	131	1314598	105.29	ppb		98
48)	bromoform	15.02	173	819774	105.88	ppb	#	100
50)	bromobenzene	15.86	156	1658755	105.54	ppb		95
51)	1,1,2,2-tetrachloroethane	15.90	83	1759177	96.46	ppb	#	62
52)	1,2,3-trichloropropane	16.01	75	4133463	103.48	ppb	#	9
54)	ethylbenzene	13.79	91	10118463	113.51	ppb		100
55)	m/p-xylene	14.01	106	7208131	219.44	ppb		98
56)	styrene	14.72	104	4826660	104.99	ppb		100
57)	o-xylene	14.70	106	3292094	108.58	ppb		96
58)	isopropylbenzene	15.36	105	9452760	112.88	ppb		98
59)	n-propyl benzene	16.10	91	12152594	116.17	ppb		95
60)	2-chlorotoluene	16.23	126	1795259	108.47	ppb		100
61)	4-chlorotoluene	16.42	126	1780047	103.69	ppb		97
62)	1,3,5-trimethylbenzene	16.42	105	7568574	111.62	ppb		96
63)	tert-butylbenzene	16.99	119	6331291	112.62	ppb		95
64)	1,2,4-trimethylbenzene	17.08	105	7417803	110.23	ppb		95
65)	sec-butylbenzene	17.40	105	10762627	114.85	ppb		100
66)	1,3-dichlorobenzene	17.57	146	3259717	103.35	ppb		96
67)	4-isopropyltoluene	17.66	119	8233598	112.61	ppb		94
68)	1,4-dichlorobenzene	17.73	146	3252680	101.97	ppb		92
69)	1,2-dichlorobenzene	18.39	146	2792641	99.71	ppb		93
70)	n-butylbenzene	18.41	91	8676694	113.24	ppb		99
71)	1,2-dibromo-3-chloropropan	19.81	75	1976860	91.32	ppb	#	50
72)	1,2,4-trichlorobenzene	21.34	180	1951602	98.46	ppb	#	80
73)	hexachlorobutadiene	21.68	225	925614	112.48	ppb		98
74)	naphthalene	21.78	128	4672820	96.11	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.01	89	1498618	90.54	ppb	#	74
76)	1,2,3-trichlorobenzene	22.22	180	1697207	93.51	ppb		91

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

Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3070705\0707326.D Vial: 26
Acq On : 7 Jul 2005 6:01 pm Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 19:15 2005 Quant Results File: 8260SSC.RES

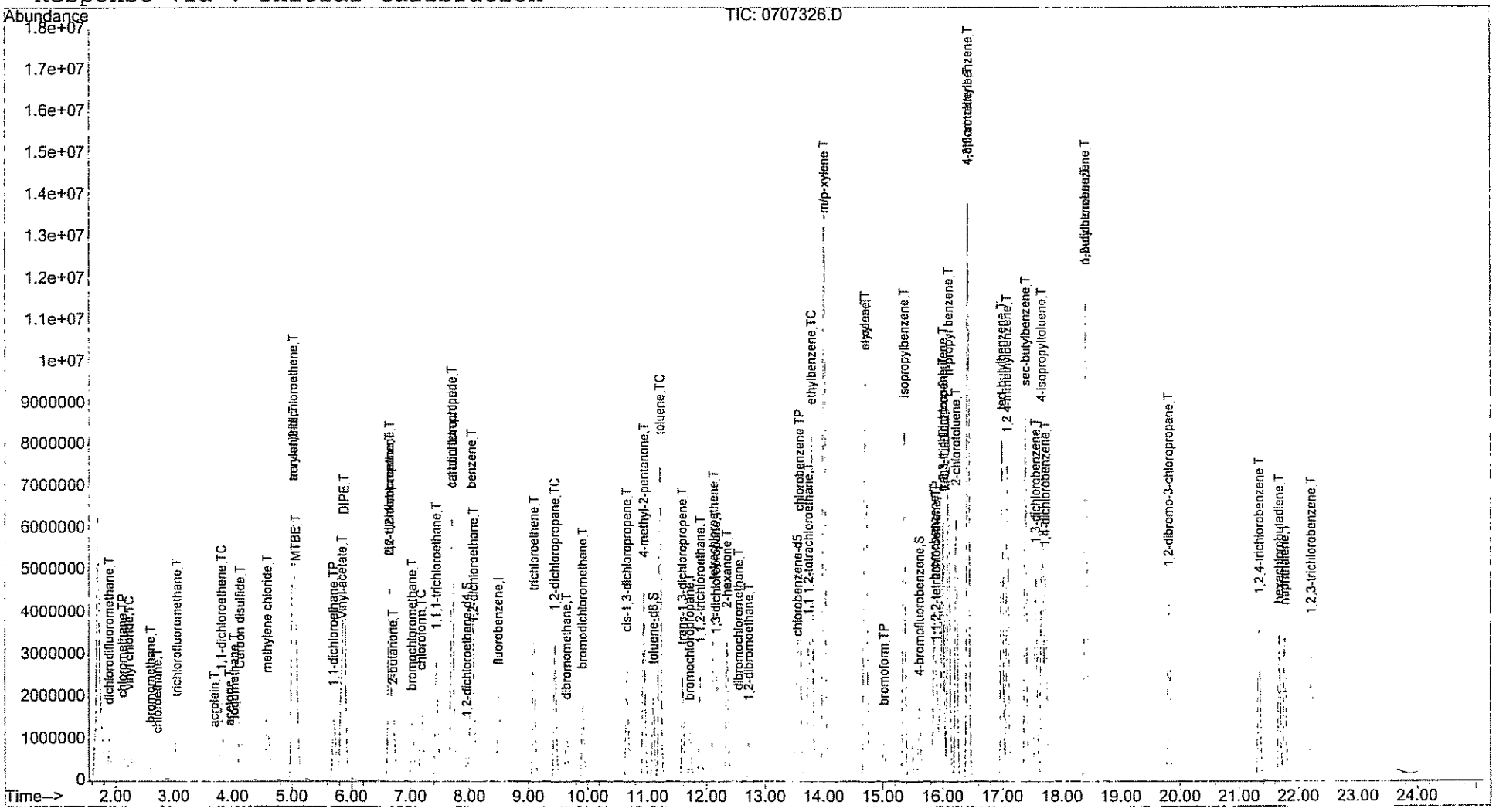
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.08	73	4555108	96.34 ppb	98
78) DIPE	5.88	45	7916260	100.38 ppb	93

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

Data File : G:\1\DATA\3070705\0707326.D Vial: 26
Acq On : 7 Jul 2005 6:01 pm Operator: RNP
Sample : QCCHK100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 19:15 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Evaluate Continuing Calibration Report

Data File : G:\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 : G:\1\DATA\3070705\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

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : G:\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 : G:\1\DATA\3070705\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)
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
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

Quantitation Report (Not Reviewed)

Data File : G:\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
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.66	75	2245327	100.86	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070805\0708303.D
Acq On : 8 Jul 2005 8:49 am
Sample : QCCHK100
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 9:14 2005

Vial: 3
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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
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
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

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070805\0708303.D
Acq On : 8 Jul 2005 8:49 am
Sample : QCCHK100
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 9:14 2005

Vial: 3
Operator: RNP
Inst : MSD3
Multiplr: 1.00
Quant Results File: 8260SSC.RES

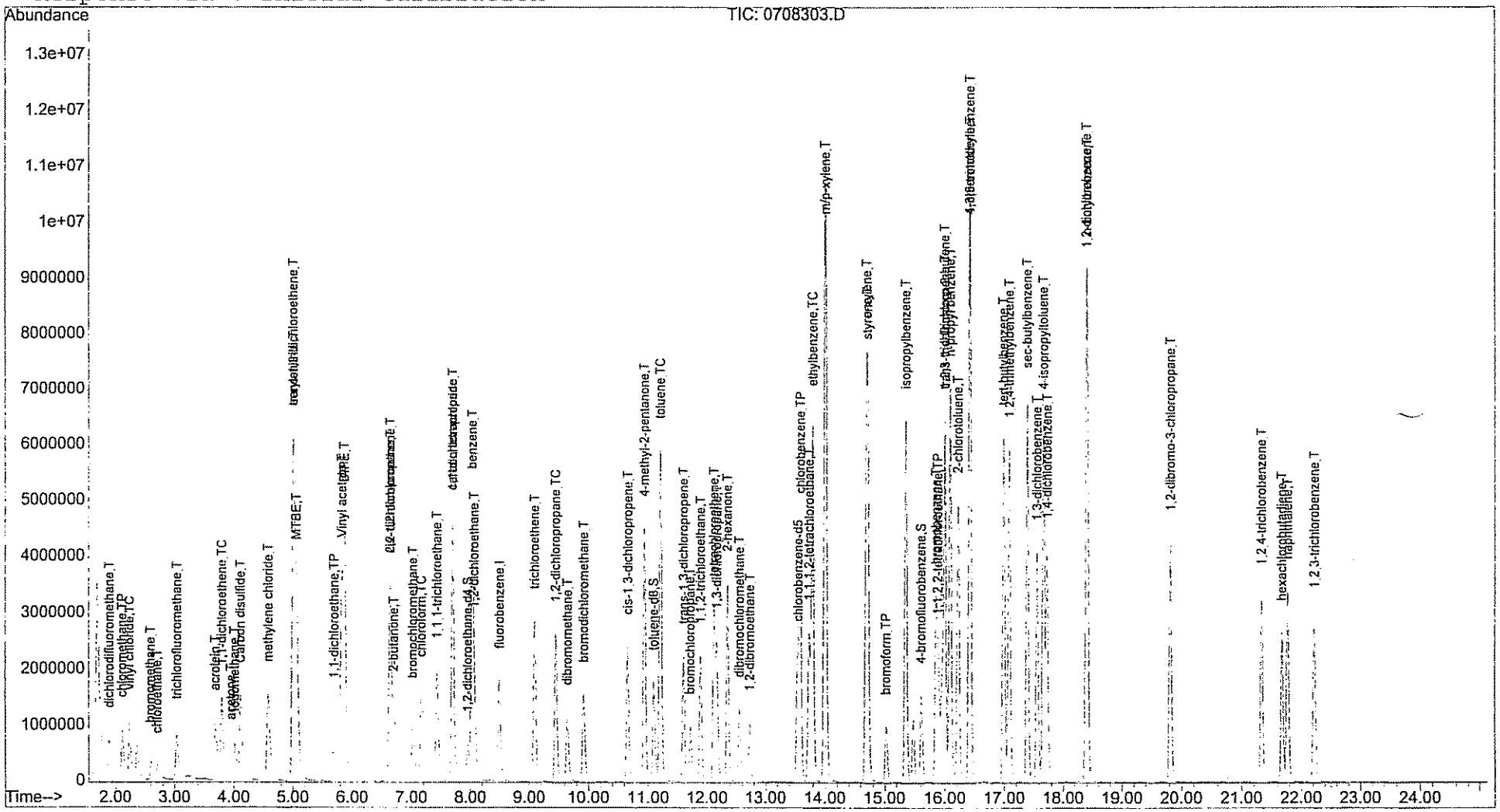
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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

Data File : G:\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

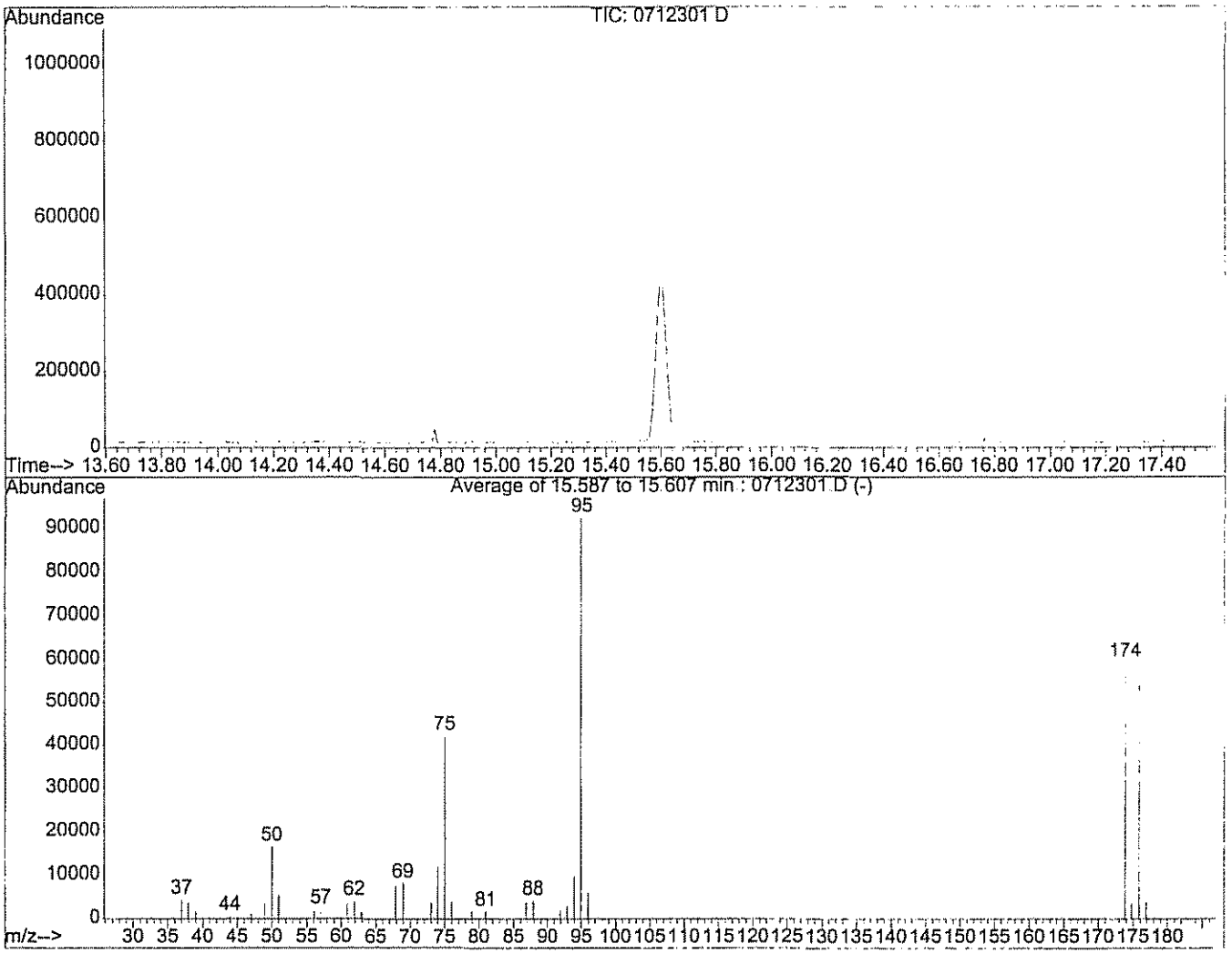
Method : G:\1\DATA\3070705\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration



BFB

Data File : G:\1\DATA\3071205\0712301.D
Acq On : 12 Jul 2005 8:14 am
Sample : bfb 50ng
Misc :
MS Integration Params: rteint.p
Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX

Vial: 1
Operator: JTF
Inst : MSD3
Multiplr: 1.00



Spectrum Information: Average of 15.587 to 15.607 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.9	16552	PASS
75	95	30	60	45.8	42352	PASS
95	95	100	100	100.0	92507	PASS
96	95	5	9	6.7	6175	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	64.0	59213	PASS
175	174	5	9	7.4	4371	PASS
176	174	95	101	97.2	57555	PASS
177	176	5	9	7.1	4102	PASS

0712301.D 8260SSC.M Thu Jul 14 07:48:17 2005 X

Evaluate Continuing Calibration Report

Data File : G:\1\DATA\3071205\0712302.D Vial: 2
Acq On : 12 Jul 2005 8:45 am Operator: JTF
Sample : qchk100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 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	82	0.00
2	T	dichlorodifluoromethane	0.840	1.002	-19.3	84	0.00
3	TP	chloromethane	0.680	0.862	-26.8#	92	0.00
4	TC	vinyl chloride	0.776	0.920	-18.6	85	0.00
5	T	bromomethane	0.288	0.242	16.0	69	-0.03
6	T	chloroethane	0.356	0.412	-15.7	85	-0.02
7	T	trichlorofluoromethane	0.758	0.930	-22.7	86	-0.01
8	T	acrolein	0.016	0.019	-18.7	91	0.00
9	TC	1,1-dichloroethene	0.493	0.490	0.6	78	-0.01
10	T	acetone	0.203	0.207	-2.0	0#	0.00
11	T	methylene chloride	0.489	0.407	16.8	84	0.00
12	T	trans-1,2-dichloroethene	0.576	0.594	-3.1	81	0.00
13	T	acrylonitrile	0.054	0.068	-25.9#	94	0.00
14	TP	1,1-dichloroethane	0.944	1.010	-7.0	85	0.00
15	T	2,2-dichloropropane	0.865	0.921	-6.5	86	0.00
16	T	cis-1,2-dichloroethene	0.484	0.495	-2.3	83	0.00
17	T	2-butanone	0.288	0.321	-11.5	0#	-0.01
18	T	bromochloromethane	0.126	0.137	-8.7	89	0.00
19	TC	chloroform	0.769	0.821	-6.8	87	0.00
20	T	1,1,1-trichloroethane	0.838	0.893	-6.6	82	0.00
21	T	carbon tetrachloride	0.767	0.794	-3.5	80	0.00
22	T	1,1-dichloropropene	0.860	0.881	-2.4	81	0.00
23	S	1,2-dichloroethane-d4	0.153	0.160	-4.6	85	0.00
24	T	benzene	2.192	2.189	0.1	83	0.00
25	T	1,2-dichloroethane	0.332	0.382	-15.1	94	0.00
26	T	trichloroethene	0.579	0.587	-1.4	82	0.00
27	TC	1,2-dichloropropane	0.439	0.455	-3.6	87	0.00
28	T	dibromomethane	0.131	0.141	-7.6	90	0.00
29	T	bromodichloromethane	0.428	0.449	-4.9	88	0.00
30	T	2-chloroethyl vinyl ether	0.220	0.227	-3.2	84	0.00
31	T	cis-1,3-dichloropropene	0.513	0.520	-1.4	87	0.00
32	T	4-methyl-2-pentanone	0.457	0.472	-3.3	93	0.00
33	S	toluene-d8	0.720	0.708	1.7	81	0.00
34	TC	toluene	1.357	1.322	2.6	81	0.00
35	T	Iodomethane	0.606	0.634	-4.6	82	0.00
36	T	trans-1,3-dichloropropene	0.353	0.369	-4.5	91	0.00
37	T	Vinyl acetate	0.042	0.047	-11.9	86	0.00
38	T	Carbon disulfide	1.781	1.831	-2.8	82	-0.01
39	I	bromochloropropane	1.000	1.000	0.0	76	0.00
40	T	1,1,2-trichloroethane	1.925	2.073	-7.7	0#	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : G:\1\DATA\3071205\0712302.D Vial: 2
Acq On : 12 Jul 2005 8:45 am Operator: JTF
Sample : qchk100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 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)
41	T	tetrachloroethene	6.291	6.426	-2.1	77	0.00
42	T	1,3-dichloropropane	4.141	4.568	-10.3	89	0.00
43	T	2-hexanone	4.351	4.783	-9.9	0#	0.00
44	T	dibromochloromethane	2.303	2.505	-8.8	87	0.00
45	T	1,2-dibromoethane	1.909	2.149	-12.6	89	0.00
46	TP	chlorobenzene	13.286	13.614	-2.5	83	0.00
47	T	1,1,1,2-tetrachloroethane	3.309	3.449	-4.2	85	0.00
48	TP	bromoform	0.852	1.121	-31.6#	76	0.00
49	S	4-bromofluorobenzene	2.979	3.114	-4.5	82	0.00
50	T	bromobenzene	3.559	3.674	-3.2	87	0.00
51	TP	1,1,2,2-tetrachloroethane	2.208	2.498	-13.1	91	0.00
52	T	1,2,3-trichloropropane	0.219	0.210	4.1	83	0.00
53		chlorobenzene-d5	1.000	1.000	0.0	81	0.00
54	TC	ethylbenzene	4.176	4.121	1.3	82	0.00
55	T	m/p-xylene	1.466	1.437	2.0	82	0.00
56	T	styrene	1.634	1.618	1.0	86	0.00
57	T	o-xylene	1.260	1.231	2.3	84	0.00
58	T	isopropylbenzene	3.995	3.868	3.2	81	0.00
59	T	n-propyl benzene	4.912	4.736	3.6	83	0.00
60	T	2-chlorotoluene	0.654	0.637	2.6	85	0.00
61	T	4-chlorotoluene	0.627	0.601	4.1	86	0.00
62	T	1,3,5-trimethylbenzene	2.902	2.815	3.0	84	0.00
63	T	tert-butylbenzene	2.641	2.461	6.8	80	0.00
64	T	1,2,4-trimethylbenzene	2.619	2.556	2.4	87	0.00
65	T	sec-butylbenzene	4.371	4.152	5.0	82	0.00
66	T	1,3-dichlorobenzene	1.028	0.983	4.4	90	0.00
67	T	4-isopropyltoluene	3.175	3.037	4.3	85	0.00
68	T	1,4-dichlorobenzene	0.943	0.921	2.3	91	0.00
69	T	1,2-dichlorobenzene	0.752	0.732	2.7	90	0.00
70	T	n-butylbenzene	3.159	3.052	3.4	87	0.00
71	T	1,2-dibromo-3-chloropropane	0.046	0.047	-2.2	101	0.00
72	T	1,2,4-trichlorobenzene	0.448	0.392	12.5	0#	0.00
73	T	hexachlorobutadiene	0.257	0.276	-7.4	88	0.00
74	T	naphthalene	0.582	0.506	13.1	103	0.00
75	T	trans-1,4-Dichloro-2-butene	0.043	0.047	-9.3	95	0.00
76	T	1,2,3-trichlorobenzene	0.325	0.285	12.3	98	0.00
77	T	MTBE	1.092	1.230	-12.6	91	0.00
78	T	DIPE	2.676	2.968	-10.9	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071205\0712302.D Vial: 2
Acq On : 12 Jul 2005 8:45 am Operator: JTF
Sample : qchk100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p)
Quant Time: Jul 12 9:10 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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.49	96	870841	50.00	ppb	0.00
39) bromochloropropane	11.71	79	71978	50.00	ppb	0.00
53) chlorobenzene-d5	13.53	117	531550	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.95	65	139402	52.44	ppb	0.00
Spiked Amount 50.000			Recovery	=	104.88%	
33) toluene-d8	11.08	98	616440	49.16	ppb	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
49) 4-bromofluorobenzene	15.60	95	224128	52.25	ppb	0.00
Spiked Amount 50.000			Recovery	=	104.50%	
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.88	85	1744661	110.61	ppb	99
3) chloromethane	2.10	50	1502084	115.17	ppb	96
4) vinyl chloride	2.23	62	1602191	110.26	ppb	98
5) bromomethane	2.60	94	421579	84.04	ppb	95
6) chloroethane	2.74	64	717433	117.06	ppb	97
7) trichlorofluoromethane	3.09	101	1619090	122.67	ppb	91
8) acrolein	3.69	56	327951	1142.75	ppb	97
9) 1,1-dichloroethene	3.82	96	853380	99.38	ppb	88
10) acetone	3.92	43	359756	118.70	ppb	91
11) methylene chloride	4.58	84	709018	108.22	ppb	96
12) trans-1,2-dichloroethene	5.03	96	1033772	103.06	ppb	98
13) acrylonitrile	4.99	53	1176712	1241.30	ppb	99
14) 1,1-dichloroethane	5.70	63	1759956	107.10	ppb	98
15) 2,2-dichloropropane	6.62	77	1604631	106.53	ppb	97
16) cis-1,2-dichloroethene	6.63	96	861846	102.24	ppb	93
17) 2-butanone	6.68	43	559312	119.56	ppb	95
18) bromochloromethane	7.02	128	238285	108.31	ppb	94
19) chloroform	7.17	83	1429799	106.76	ppb	100
20) 1,1,1-trichloroethane	7.43	97	1555562	106.58	ppb	94
21) carbon tetrachloride	7.70	117	1383008	103.57	ppb	94
22) 1,1-dichloropropene	7.70	75	1535183	102.51	ppb	96
24) benzene	8.03	78	3812820	99.87	ppb	100
25) 1,2-dichloroethane	8.06	62	666150	115.26	ppb	98
26) trichloroethene	9.09	95	1022605	101.46	ppb	98
27) 1,2-dichloropropane	9.44	63	792720	103.62	ppb	99
28) dibromomethane	9.63	93	245487	114.05	ppb	92
29) bromodichloromethane	9.91	83	782110	104.99	ppb	97
30) 2-chloroethyl vinyl ether	10.43	106	495205	129.40	ppb	95
31) cis-1,3-dichloropropene	10.65	75	904862	110.06	ppb	98

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071205\0712302.D Vial: 2
Acq On : 12 Jul 2005 8:45 am Operator: JTF
Sample : qchk100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:10 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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32) 4-methyl-2-pentanone	10.92	43	821548	117.84 ppb		99
34) toluene	11.19	92	2302592	97.39 ppb		97
35) Iodomethane	4.04	142	1103990	104.62 ppb		92
36) trans-1,3-dichloropropene	11.58	75	642436	112.91 ppb		95
37) Vinyl acetate	5.82	86	203481	280.69 ppb		100
38) Carbon disulfide	4.13	76	3188778	102.78 ppb		98
40) 1,1,2-trichloroethane	11.88	83	298484	114.07 ppb		88
41) tetrachloroethene	12.12	166	925075	102.15 ppb		98
42) 1,3-dichloropropane	12.16	76	657574	116.30 ppb		97
43) 2-hexanone	12.33	43	688519	114.41 ppb		99
44) dibromochloromethane	12.54	129	360544	114.05 ppb		97
45) 1,2-dibromoethane	12.72	107	309406	115.60 ppb		97
46) chlorobenzene	13.57	112	1959868	108.22 ppb		95
47) 1,1,1,2-tetrachloroethane	13.72	131	496478	111.28 ppb		95
48) bromoform	15.00	173	161416	100.11 ppb		90
50) bromobenzene	15.85	156	528882	109.56 ppb		97
51) 1,1,2,2-tetrachloroethane	15.88	83	359619	117.92 ppb		95
52) 1,2,3-trichloropropane	16.08	75	30290	117.90 ppb	#	60
54) ethylbenzene	13.78	91	4381324	106.60 ppb		99
55) m/p-xylene	13.99	106	3055708	214.92 ppb		97
56) styrene	14.71	104	1719685	109.39 ppb		100
57) o-xylene	14.68	106	1308838	108.37 ppb		99
58) isopropylbenzene	15.34	105	4111743	105.28 ppb		100
59) n-propyl benzene	16.08	91	5034978	104.18 ppb		98
60) 2-chlorotoluene	16.21	126	677600	107.54 ppb		95
61) 4-chlorotoluene	16.40	126	638650	106.87 ppb		90
62) 1,3,5-trimethylbenzene	16.40	105	2992385	105.96 ppb		99
63) tert-butylbenzene	16.98	119	2616344	102.24 ppb		96
64) 1,2,4-trimethylbenzene	17.07	105	2717289	107.00 ppb		97
65) sec-butylbenzene	17.38	105	4413851	102.40 ppb		100
66) 1,3-dichlorobenzene	17.55	146	1045446	108.02 ppb		97
67) 4-isopropyltoluene	17.66	119	3229091	103.88 ppb		98
68) 1,4-dichlorobenzene	17.71	146	979162	108.74 ppb		98
69) 1,2-dichlorobenzene	18.38	146	778588	109.91 ppb		97
70) n-butylbenzene	18.39	91	3245095	103.35 ppb		96
71) 1,2-dibromo-3-chloropropan	19.80	75	251909	591.17 ppb		91
72) 1,2,4-trichlorobenzene	21.32	180	416422	98.73 ppb		89
73) hexachlorobutadiene	21.67	225	293284	107.51 ppb		99
74) naphthalene	21.76	128	538240	130.09 ppb		100
75) trans-1,4-Dichloro-2-buten	15.99	89	250960	579.40 ppb		97
76) 1,2,3-trichlorobenzene	22.21	180	303144	123.88 ppb		99

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071205\0712302.D Vial: 2
Acq On : 12 Jul 2005 8:45 am Operator: JTF
Sample : qchk100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:10 2005 Quant Results File: 8260SSC.RES

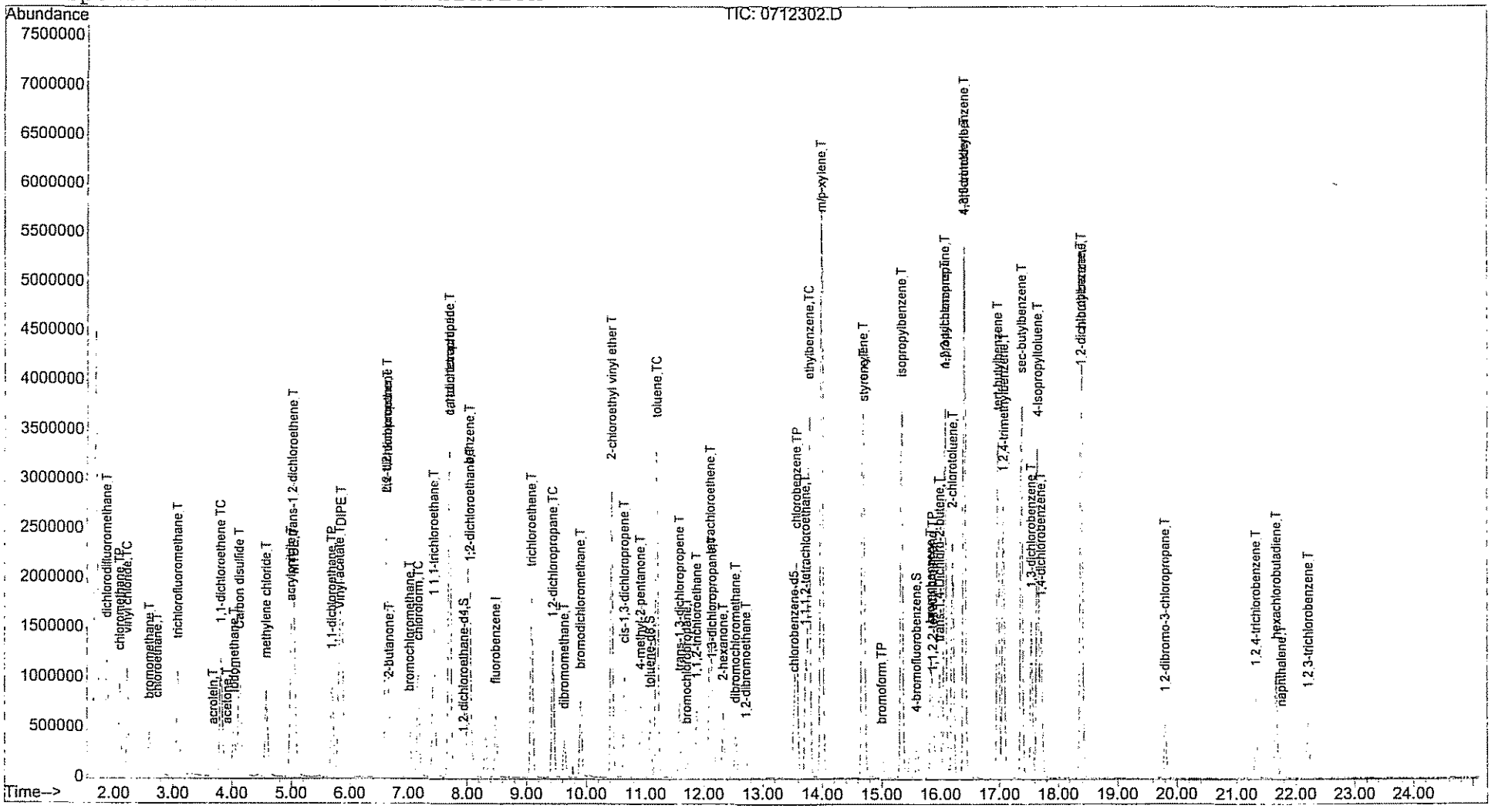
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.06	73	1307275	112.59 ppb	96
78) DIPE	5.86	45	3155484	110.92 ppb	99

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

Data File : G:\1\DATA\3071205\0712302.D Vial: 2
Acq On : 12 Jul 2005 8:45 am Operator: JTF
Sample : qchk100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:10 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration



8260 QC, Blanks Raw Data

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702103.D
Acq On : 2 Jul 2005 9:27 am
Sample : LCS1070205a
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 2 9:52 2005

Vial: 3
Operator: jtf
Inst : MSD1
Multiplr: 1.00
Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	8.80	96	2331526	10.00	ppb		0.02
39) bromochloropropane	12.01	79	218922	10.00	ppb		0.02
53) chlorobenzene-d5	13.83	117	1691666	10.00	ppb		0.03
System Monitoring Compounds							
23) 1,2-dichloroethane-d4	8.23	65	368399	11.13	ppb		0.03
Spiked Amount 10.000			Recovery	=	111.30%		
33) toluene-d8	11.40	98	1633118	10.14	ppb		0.03
Spiked Amount 10.000			Recovery	=	101.40%		
49) 4-bromofluorobenzene	15.90	95	717872	9.82	ppb		0.03
Spiked Amount 10.000			Recovery	=	98.20%		
Target Compounds							Qvalue
2) dichlorodifluoromethane	2.03	85	186460	5.47	ppb		99
3) chloromethane	2.28	50	376259	4.78	ppb		99
4) vinyl chloride	2.40	62	337364	5.52	ppb		98
5) bromomethane	2.83	94	146768	8.80	ppb		97
6) chloroethane	2.97	64	179287	5.14	ppb		100
7) trichlorofluoromethane	3.33	101	217060	5.63	ppb		98
8) acrolein	3.92	56	555149	116.37	ppb		99
9) 1,1-dichloroethene	4.09	96	178223	5.02	ppb		91
10) acetone	4.16	43	201395	34.50	ppb		96
11) methylene chloride	4.86	84	179972	5.11	ppb		93
12) trans-1,2-dichloroethene	5.31	96	222350	5.08	ppb		94
13) acrylonitrile	5.25	53	994048	140.81	ppb		100
14) 1,1-dichloroethane	5.99	63	444986	5.29	ppb		99
15) 2,2-dichloropropane	6.93	77	232143	5.59	ppb		99
16) cis-1,2-dichloroethene	6.93	96	217459	4.88	ppb	#	88
17) 2-butanone	6.96	43	268174	32.58	ppb		96
18) bromochloromethane	7.30	128	79182	5.08	ppb		96
19) chloroform	7.45	83	293357	5.34	ppb		99
20) 1,1,1-trichloroethane	7.75	97	242695	5.38	ppb		99
21) carbon tetrachloride	8.02	117	198191	5.62	ppb		99
22) 1,1-dichloropropene	8.02	75	248345	5.34	ppb		97
24) benzene	8.35	78	775397	5.23	ppb		97
25) 1,2-dichloroethane	8.35	62	173914	5.72	ppb		95
26) trichloroethene	9.40	95	197840	4.91	ppb		98
27) 1,2-dichloropropane	9.73	63	229750	5.09	ppb		95
28) dibromomethane	9.91	93	59340	5.00	ppb	#	87
29) bromodichloromethane	10.20	83	163952	5.12	ppb		96
30) 2-chloroethyl vinyl ether	10.71	106	29258	17.89	ppb		94
31) cis-1,3-dichloropropene	10.93	75	209382	5.30	ppb		99

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702103.D
Acq On : 2 Jul 2005 9:27 am
Sample : LCS1070205a
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 2 9:52 2005

Vial: 3
Operator: jtf
Inst : MSD1
Multiplr: 1.00
Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	11.20	43	455583	27.83	ppb		98
34)	toluene	11.50	92	491896	4.93	ppb		99
35)	Iodomethane	4.32	142	254363	7.63	ppb		92
36)	trans-1,3-dichloropropene	11.87	75	139857	5.43	ppb		94
37)	Vinyl acetate	6.10	43	1101258	14.46	ppb		100
38)	Carbon disulfide	4.43	76	652074	5.55	ppb		99
40)	1,1,2-trichloroethane	12.16	83	76195	4.89	ppb		92
41)	tetrachloroethene	12.43	166	211124	4.61	ppb		96
42)	1,3-dichloropropane	12.44	76	166228	4.95	ppb		97
43)	2-hexanone	12.61	43	348410	29.96	ppb		96
44)	dibromochloromethane	12.82	129	115644	4.82	ppb		99
45)	1,2-dibromoethane	13.00	107	89306	4.84	ppb		99
46)	chlorobenzene	13.88	112	503554	4.73	ppb		95
47)	1,1,1,2-tetrachloroethane	14.02	131	160280	4.80	ppb		97
48)	bromoform	15.30	173	52143	4.54	ppb		98
50)	bromobenzene	16.15	156	173267	4.57	ppb		91
51)	1,1,2,2-tetrachloroethane	16.16	83	88454	4.87	ppb		98
52)	1,2,3-trichloropropane	16.27	75	146456	5.29	ppb		98
54)	ethylbenzene	14.09	91	872468	4.82	ppb		99
55)	m/p-xylene	14.30	106	688254	9.84	ppb		99
56)	styrene	15.01	104	450732	4.70	ppb		100
57)	o-xylene	14.99	106	321611	4.97	ppb		99
58)	isopropylbenzene	15.65	105	833812	4.94	ppb		100
59)	n-propyl benzene	16.38	91	979883	5.13	ppb		100
60)	2-chlorotoluene	16.52	126	204053	5.76	ppb		96
61)	4-chlorotoluene	16.72	126	205796	5.08	ppb		98
62)	1,3,5-trimethylbenzene	16.71	105	624744	5.09	ppb		100
63)	tert-butylbenzene	17.29	119	609058	5.89	ppb		96
64)	1,2,4-trimethylbenzene	17.38	105	609706	5.33	ppb		98
65)	sec-butylbenzene	17.69	105	839236	5.28	ppb		100
66)	1,3-dichlorobenzene	17.86	146	378089	4.81	ppb		98
67)	4-isopropyltoluene	17.96	119	729367	5.42	ppb		99
68)	1,4-dichlorobenzene	18.03	146	366212	4.77	ppb		97
69)	1,2-dichlorobenzene	18.69	146	290873	4.72	ppb		97
70)	n-butylbenzene	18.71	91	545895	5.34	ppb		98
71)	1,2-dibromo-3-chloropropan	20.09	75	52299	28.18	ppb	#	72
72)	1,2,4-trichlorobenzene	21.64	180	144035	5.07	ppb		98
73)	hexachlorobutadiene	21.99	225	74817	4.92	ppb		97
74)	naphthalene	22.07	128	179738	4.94	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.27	89	42653	26.17	ppb		86
76)	1,2,3-trichlorobenzene	22.52	180	104623	5.02	ppb		99

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702103.D Vial: 3
Acq On : 2 Jul 2005 9:27 am Operator: jtf
Sample : LCS1070205a Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 9:52 2005 Quant Results File: 6210D.RES

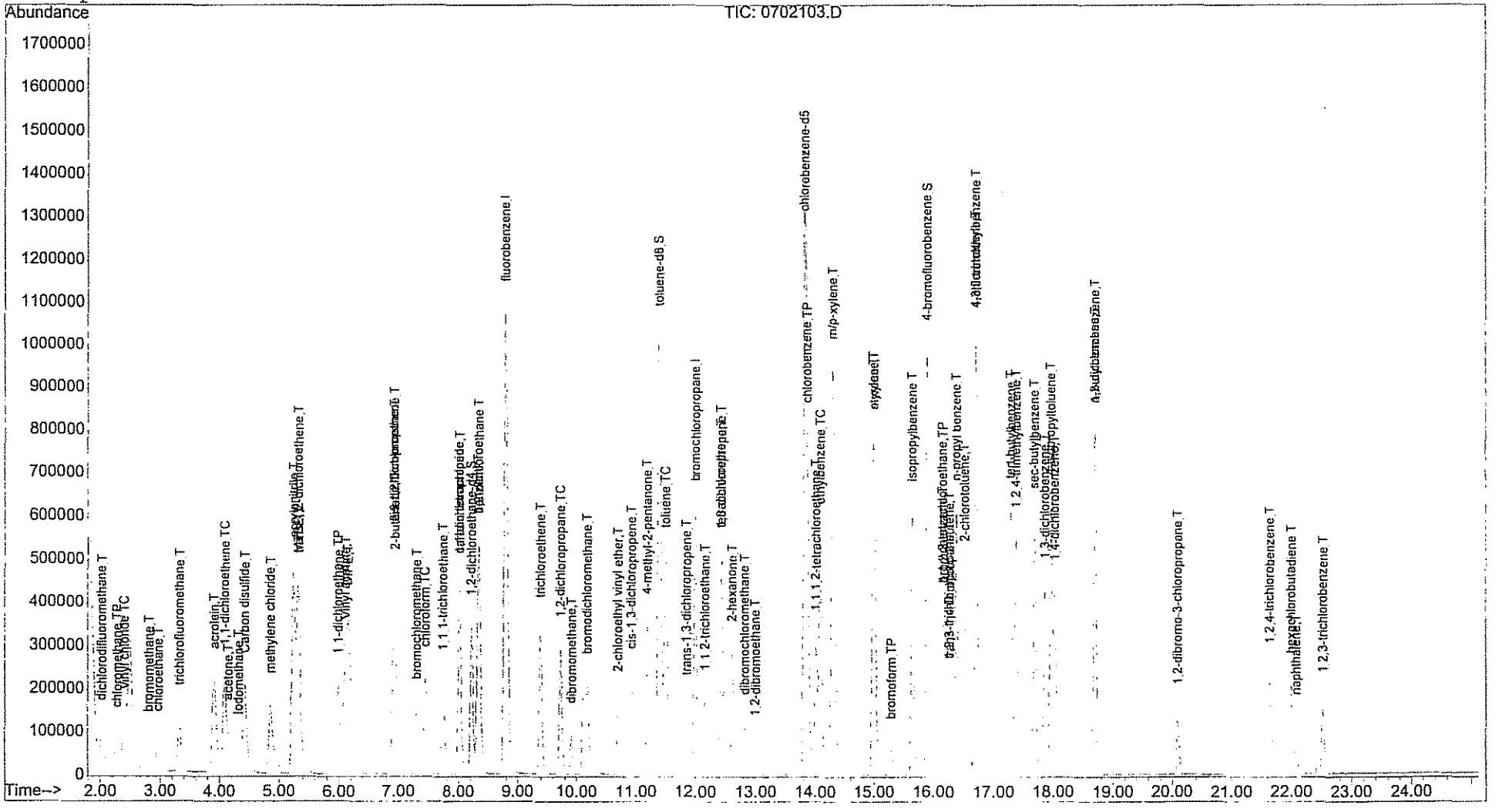
Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.33	73	285261	5.54 ppb	99
78) DIPE	6.16	45	900898	5.49 ppb	92

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

Data File : K:\1\DATA\1070205\0702103.D Vial: 3
Acq On : 2 Jul 2005 9:27 am Operator: jtf
Sample : LCS1070205a Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 9:52 2005 Quant Results File: 6210D.RES

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702104.D
Acq On : 2 Jul 2005 9:59 am
Sample : LCS1070205b
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 2 10:24 2005

Vial: 4
Operator: jtf
Inst : MSD1
Multiplr: 1.00
Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.80	96	2323092	10.00	ppb	0.02
39) bromochloropropane	12.00	79	219631	10.00	ppb	0.02
53) chlorobenzene-d5	13.82	117	1713173	10.00	ppb	0.03
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	8.23	65	363587	11.03	ppb	0.03
Spiked Amount 10.000			Recovery	=	110.30%	
33) toluene-d8	11.39	98	1636814	10.20	ppb	0.03
Spiked Amount 10.000			Recovery	=	102.00%	
49) 4-bromofluorobenzene	15.90	95	735622	10.03	ppb	0.03
Spiked Amount 10.000			Recovery	=	100.30%	
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.03	85	176380	5.20	ppb	98
3) chloromethane	2.28	50	338163	4.25	ppb	98
4) vinyl chloride	2.41	62	313326	5.15	ppb	99
5) bromomethane	2.82	94	142189	8.55	ppb	100
6) chloroethane	2.96	64	165213	4.75	ppb	99
7) trichlorofluoromethane	3.33	101	196330	5.11	ppb	100
8) acrolein	3.91	56	502324	103.11	ppb	99
9) 1,1-dichloroethene	4.09	96	187321	5.30	ppb	89
10) acetone	4.16	43	214520	36.89	ppb	98
11) methylene chloride	4.87	84	184265	5.26	ppb	96
12) trans-1,2-dichloroethene	5.32	96	230761	5.29	ppb	92
13) acrylonitrile	5.24	53	921637	131.03	ppb	99
14) 1,1-dichloroethane	5.99	63	456855	5.45	ppb	98
15) 2,2-dichloropropane	6.94	77	238827	5.77	ppb	95
16) cis-1,2-dichloroethene	6.93	96	228996	5.16	ppb	91
17) 2-butanone	6.96	43	287736	35.08	ppb	97
18) bromochloromethane	7.30	128	81204	5.23	ppb	94
19) chloroform	7.45	83	304255	5.56	ppb	100
20) 1,1,1-trichloroethane	7.75	97	252566	5.62	ppb	98
21) carbon tetrachloride	8.02	117	214452	6.11	ppb	95
22) 1,1-dichloropropene	8.02	75	265101	5.72	ppb	95
24) benzene	8.34	78	794651	5.38	ppb	99
25) 1,2-dichloroethane	8.35	62	176694	5.83	ppb	93
26) trichloroethene	9.40	95	207620	5.17	ppb	99
27) 1,2-dichloropropane	9.74	63	238798	5.31	ppb	95
28) dibromomethane	9.92	93	62065	5.25	ppb	93
29) bromodichloromethane	10.19	83	172315	5.40	ppb	99
30) 2-chloroethyl vinyl ether	10.71	106	29924	18.18	ppb	89
31) cis-1,3-dichloropropene	10.93	75	216777	5.51	ppb	99

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702104.D
Acq On : 2 Jul 2005 9:59 am
Sample : LCS1070205b
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 2 10:24 2005

Vial: 4
Operator: jtf
Inst : MSD1
Multiplr: 1.00
Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	11.20	43	487701	29.90	ppb		98
34)	toluene	11.50	92	516361	5.19	ppb		97
35)	Iodomethane	4.33	142	267422	7.91	ppb		98
36)	trans-1,3-dichloropropene	11.87	75	147432	5.75	ppb		97
37)	Vinyl acetate	6.10	43	1136381	14.98	ppb		99
38)	Carbon disulfide	4.44	76	681838	5.82	ppb		99
40)	1,1,2-trichloroethane	12.15	83	79275	5.07	ppb		90
41)	tetrachloroethene	12.43	166	219715	4.78	ppb		98
42)	1,3-dichloropropane	12.44	76	170531	5.06	ppb		98
43)	2-hexanone	12.60	43	371544	31.85	ppb		99
44)	dibromochloromethane	12.82	129	120519	5.01	ppb		98
45)	1,2-dibromoethane	13.01	107	91750	4.96	ppb		96
46)	chlorobenzene	13.87	112	519604	4.87	ppb		96
47)	1,1,1,2-tetrachloroethane	14.02	131	167374	5.00	ppb		97
48)	bromoform	15.30	173	53295	4.63	ppb		94
50)	bromobenzene	16.16	156	180305	4.74	ppb		90
51)	1,1,2,2-tetrachloroethane	16.16	83	93913	5.15	ppb		99
52)	1,2,3-trichloropropane	16.26	75	157687	5.67	ppb		98
54)	ethylbenzene	14.09	91	912996	4.98	ppb		99
55)	m/p-xylene	14.30	106	714614	10.09	ppb		99
56)	styrene	15.01	104	470676	4.84	ppb		100
57)	o-xylene	14.99	106	329235	5.02	ppb		98
58)	isopropylbenzene	15.65	105	862486	5.05	ppb		100
59)	n-propyl benzene	16.38	91	1014262	5.24	ppb		100
60)	2-chlorotoluene	16.52	126	209668	5.84	ppb		96
61)	4-chlorotoluene	16.72	126	215015	5.24	ppb		99
62)	1,3,5-trimethylbenzene	16.71	105	651755	5.25	ppb		100
63)	tert-butylbenzene	17.29	119	632319	6.03	ppb		99
64)	1,2,4-trimethylbenzene	17.38	105	635686	5.49	ppb		98
65)	sec-butylbenzene	17.69	105	883796	5.49	ppb		98
66)	1,3-dichlorobenzene	17.86	146	389812	4.90	ppb		97
67)	4-isopropyltoluene	17.97	119	763884	5.60	ppb		98
68)	1,4-dichlorobenzene	18.03	146	378948	4.87	ppb		96
69)	1,2-dichlorobenzene	18.69	146	305034	4.89	ppb		95
70)	n-butylbenzene	18.70	91	582466	5.63	ppb		100
71)	1,2-dibromo-3-chloropropan	20.09	75	55160	29.35	ppb	#	68
72)	1,2,4-trichlorobenzene	21.65	180	153293	5.33	ppb		95
73)	hexachlorobutadiene	21.99	225	78876	5.12	ppb		96
74)	naphthalene	22.08	128	193412	5.25	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.26	89	45450	27.42	ppb		94
76)	1,2,3-trichlorobenzene	22.53	180	114701	5.43	ppb		97

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702104.D Vial: 4
Acq On : 2 Jul 2005 9:59 am Operator: jtf
Sample : LCS1070205b Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 10:24 2005 Quant Results File: 6210D.RES

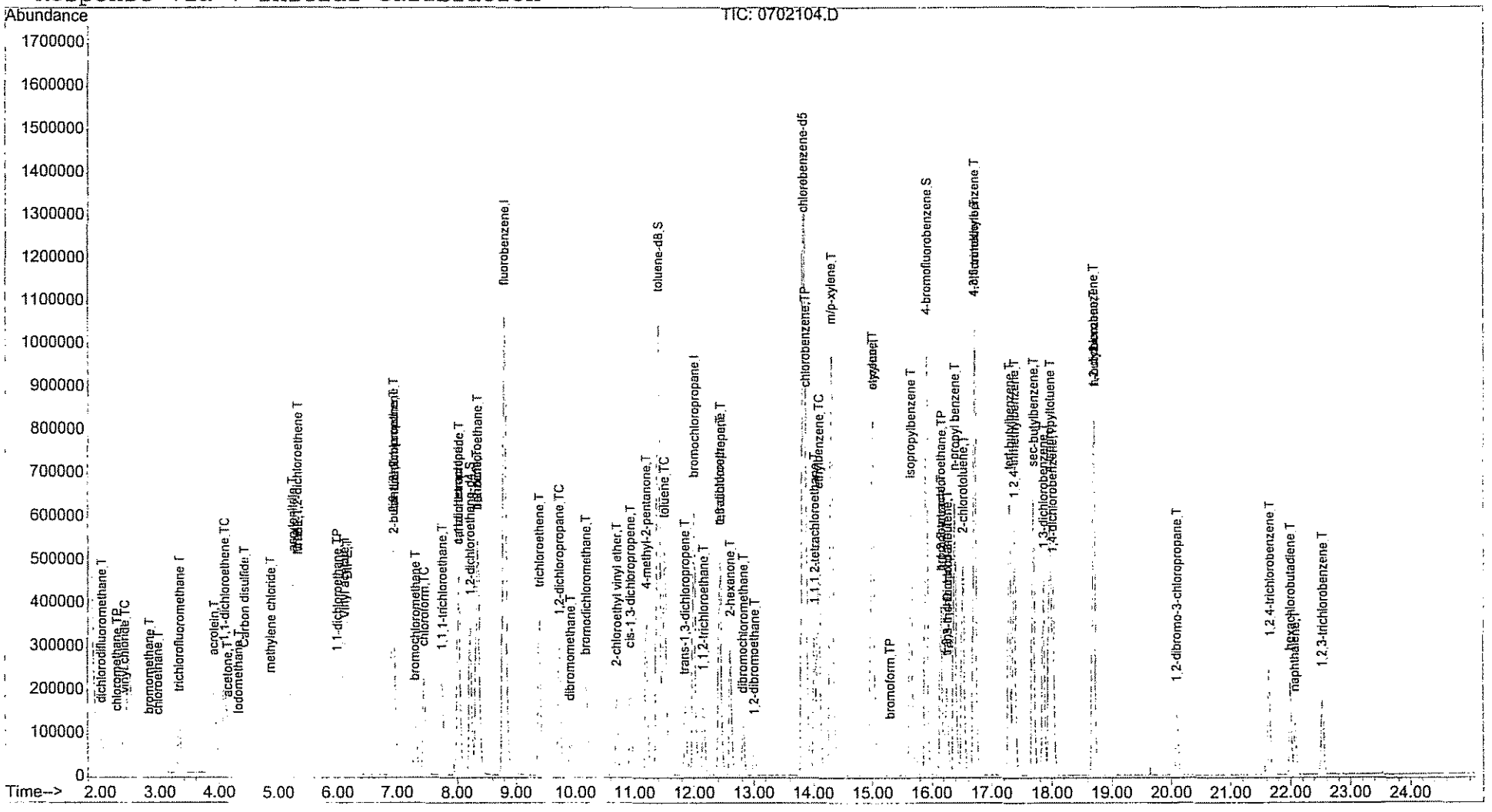
Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.34	73	295530	5.67 ppb	99
78) DIPE	6.16	45	937761	5.64 ppb	89

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

Data File : K:\1\DATA\1070205\0702104.D Vial: 4
Acq On : 2 Jul 2005 9:59 am Operator: jtf
Sample : LCS1070205b Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 10:24 2005 Quant Results File: 6210D.RES

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702106.D Vial: 6
Acq On : 2 Jul 2005 11:03 am Operator: jtf
Sample : VBLK1070205b Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 11:28 2005 Quant Results File: 6210D.RES

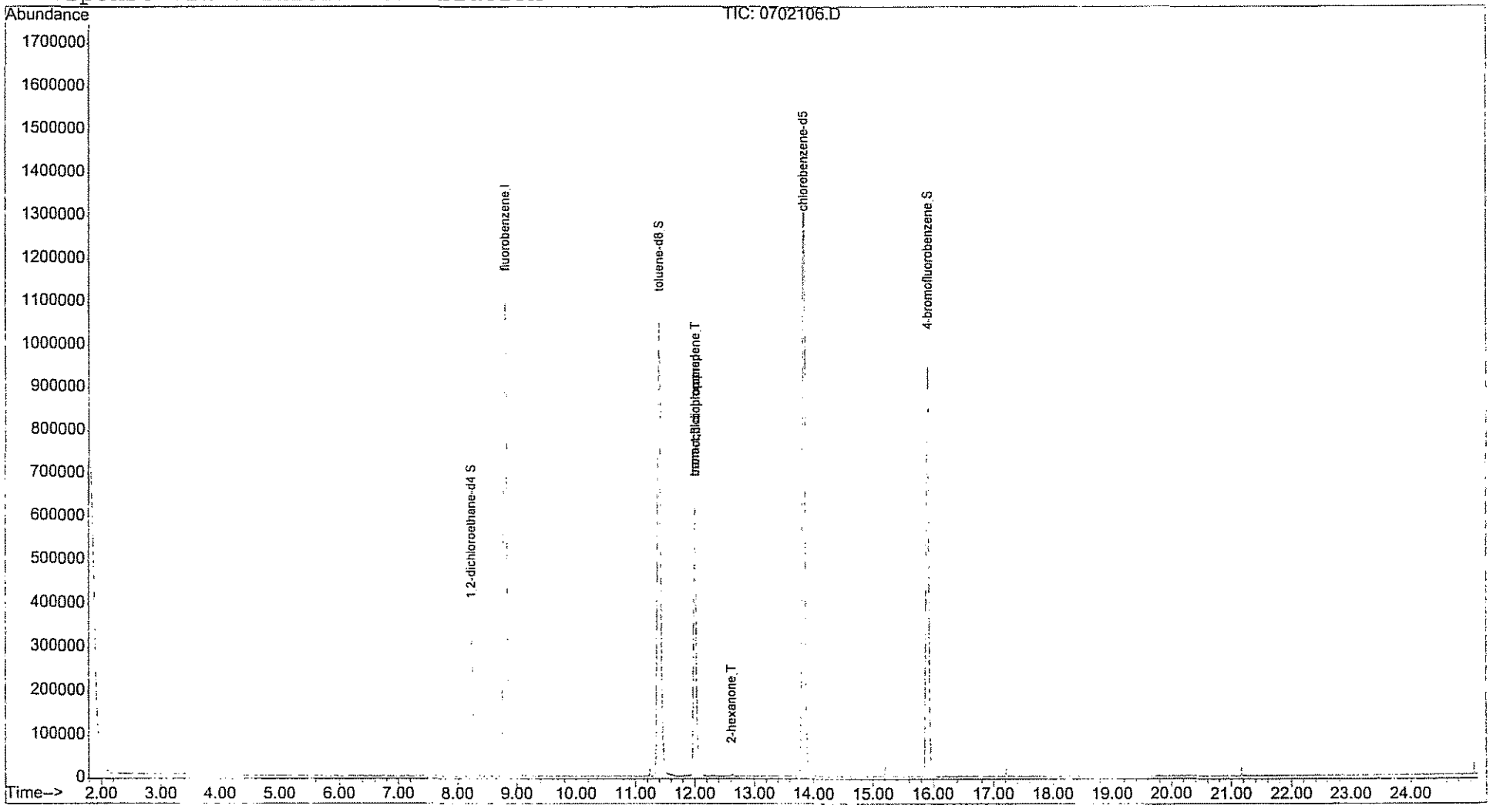
Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.80	96	2327163	10.00	ppb	0.02
39) bromochloropropane	12.00	79	218729	10.00	ppb	0.02
53) chlorobenzene-d5	13.83	117	1710550	10.00	ppb	0.03
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	8.23	65	369648	11.19	ppb	0.03
Spiked Amount 10.000			Recovery	=	111.90%	
33) toluene-d8	11.39	98	1628161	10.13	ppb	0.03
Spiked Amount 10.000			Recovery	=	101.30%	
49) 4-bromofluorobenzene	15.90	95	723578	9.91	ppb	0.03
Spiked Amount 10.000			Recovery	=	99.10%	
Target Compounds						Qvalue
36) trans-1,3-dichloropropene	12.00	75	7335	0.29	ppb #	41
43) 2-hexanone	12.62	43	6572	0.57	ppb #	69

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

Data File : K:\1\DATA\1070205\0702106.D Vial: 6
Acq On : 2 Jul 2005 11:03 am Operator: jtf
Sample : VBLK1070205b Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 11:28 2005 Quant Results File: 6210D.RES

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : K:\1\DATA\1070205\0702116.D Vial: 16
Acq On : 2 Jul 2005 4:22 pm Operator: jtf
Sample : G161-2047-4d x100 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 3 13:03 2005 Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) fluorobenzene	8.81	96	2472285	10.00 ppb	0.03
39) bromochloropropane	12.01	79	274980	10.00 ppb	0.03
53) chlorobenzene-d5	13.83	117	1809659	10.00 ppb	0.04
System Monitoring Compounds					
23) 1,2-dichloroethane-d4	8.23	65	394464	11.24 ppb	0.03
Spiked Amount 10.000			Recovery	= 112.40%	
33) toluene-d8	11.39	98	1817006	10.64 ppb	0.03
Spiked Amount 10.000			Recovery	= 106.40%	
49) 4-bromofluorobenzene	15.90	95	795106	8.66 ppb	0.03
Spiked Amount 10.000			Recovery	= 86.60%	

Target Compounds					Qvalue
5) bromomethane	2.81	94	2267	Below Cal #	3
8) acrolein	3.91	56	1976	Below Cal #	1
11) methylene chloride	4.85	84	5305	0.14 ppb #	81
24) benzene	8.34	78	262016	1.67 ppb	99
27) 1,2-dichloropropane	9.72	63	14748	0.31 ppb	56
34) toluene	11.50	92	27689	0.26 ppb	91
35) Iodomethane	4.30	142	4331	2.52 ppb #	45
36) trans-1,3-dichloropropene	12.00	75	8171	0.30 ppb #	41
54) ethylbenzene	14.09	91	306955	1.59 ppb	100
55) m/p-xylene	14.31	106	137982	1.84 ppb	93
58) isopropylbenzene	15.66	105	465916	2.58 ppb	100
59) n-propyl benzene	16.39	91	1163278	5.69 ppb	99
60) 2-chlorotoluene	16.23	126	4777	0.13 ppb #	1
62) 1,3,5-trimethylbenzene	16.72	105	87748	0.67 ppb	99
63) tert-butylbenzene	17.30	119	28595	0.26 ppb	82
64) 1,2,4-trimethylbenzene	17.39	105	34957	0.29 ppb	91
65) sec-butylbenzene	17.69	105	157381	0.93 ppb	99
67) 4-isopropyltoluene	17.97	119	148913	1.03 ppb	98
70) n-butylbenzene	18.71	91	244891	2.24 ppb	74
74) naphthalene	22.08	128	679481	17.45 ppb	100

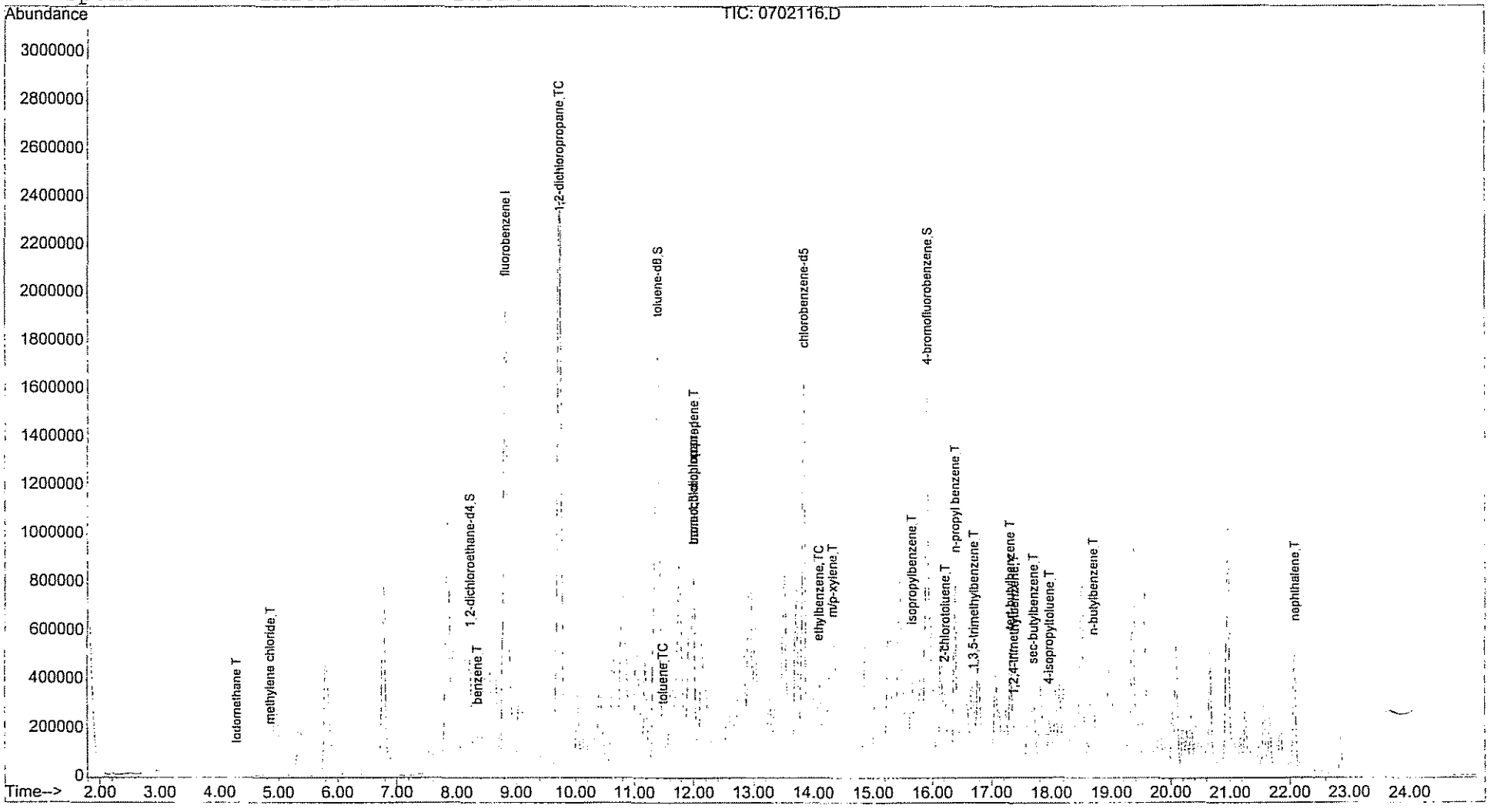
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : K:\1\DATA\1070205\0702116.D
Acq On : 2 Jul 2005 4:22 pm
Sample : G161-2047-4d x100
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 3 13:03 2005

Vial: 16
Operator: jtf
Inst : MSD1
Multiplr: 1.00
Quant Results File: 6210D.RES

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702122.D Vial: 22
Acq On : 2 Jul 2005 7:33 pm Operator: jtf
Sample : G145-1111-4d ms x500 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 19:59 2005 Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.81	96	2523211	10.00	ppb	0.03
39) bromochloropropane	12.00	79	244801	10.00	ppb	0.02
53) chlorobenzene-d5	13.83	117	1811911	10.00	ppb	0.04
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	8.23	65	401311	11.20	ppb	0.03
Spiked Amount 10.000			Recovery	=	112.00%	
33) toluene-d8	11.39	98	1770315	10.16	ppb	0.03
Spiked Amount 10.000			Recovery	=	101.60%	
49) 4-bromofluorobenzene	15.90	95	801940	9.81	ppb	0.03
Spiked Amount 10.000			Recovery	=	98.10%	
Target Compounds						Qvalue
2) dichlorodifluoromethane	2.04	85	202809	5.50	ppb	98
3) chloromethane	2.28	50	385853	4.50	ppb	98
4) vinyl chloride	2.40	62	375605	5.68	ppb	97
5) bromomethane	2.81	94	115267	6.33	ppb	100
6) chloroethane	2.96	64	189088	5.01	ppb	99
7) trichlorofluoromethane	3.32	101	227162	5.44	ppb	98
8) acrolein	3.92	56	472642	85.58	ppb	98
9) 1,1-dichloroethene	4.09	96	176214	4.59	ppb	90
10) acetone	4.17	43	232775	36.85	ppb	96
11) methylene chloride	4.86	84	177196	4.65	ppb	97
12) trans-1,2-dichloroethene	5.32	96	213275	4.50	ppb	92
13) acrylonitrile	5.24	53	1097502	143.65	ppb	99
14) 1,1-dichloroethane	5.99	63	431199	4.73	ppb	100
15) 2,2-dichloropropane	6.94	77	170046	3.79	ppb	96
16) cis-1,2-dichloroethene	6.93	96	211490	4.39	ppb	94
17) 2-butanone	6.97	43	293658	32.96	ppb	98
18) bromochloromethane	7.31	128	76132	4.51	ppb	96
19) chloroform	7.45	83	287775	4.84	ppb	98
20) 1,1,1-trichloroethane	7.74	97	229904	4.71	ppb	98
21) carbon tetrachloride	8.02	117	190181	4.99	ppb	98
22) 1,1-dichloropropene	8.02	75	248242	4.93	ppb	93
24) benzene	8.35	78	768716	4.79	ppb	99
25) 1,2-dichloroethane	8.35	62	165347	5.02	ppb	99
26) trichloroethene	9.40	95	226904	5.20	ppb	98
27) 1,2-dichloropropane	9.74	63	219414	4.49	ppb	96
28) dibromomethane	9.92	93	58302	4.54	ppb	95
29) bromodichloromethane	10.19	83	163476	4.72	ppb	97
30) 2-chloroethyl vinyl ether	10.71	106	63522	28.71	ppb	98
31) cis-1,3-dichloropropene	10.93	75	202074	4.72	ppb	94

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702122.D
Acq On : 2 Jul 2005 7:33 pm
Sample : G145-1111-4d ms x500
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 2 19:59 2005

Vial: 22
Operator: jtf
Inst : MSD1
Multiplr: 1.00
Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	11.21	43	464988	26.25	ppb		99
34)	toluene	11.50	92	506120	4.68	ppb		99
35)	Iodomethane	4.33	142	224144	6.66	ppb		92
36)	trans-1,3-dichloropropene	11.87	75	135936	4.88	ppb		92
37)	Vinyl acetate	6.16	43	569490	6.91	ppb	#	80
38)	Carbon disulfide	4.43	76	641753	5.05	ppb		99
40)	1,1,2-trichloroethane	12.16	83	76945	4.42	ppb		97
41)	tetrachloroethene	12.43	166	200157	3.91	ppb		96
42)	1,3-dichloropropane	12.45	76	167084	4.45	ppb		97
43)	2-hexanone	12.61	43	380015	29.23	ppb		97
44)	dibromochloromethane	12.82	129	107706	4.01	ppb		100
45)	1,2-dibromoethane	13.01	107	84603	4.10	ppb		97
46)	chlorobenzene	13.88	112	482217	4.05	ppb		96
47)	1,1,1,2-tetrachloroethane	14.02	131	153114	4.10	ppb		99
48)	bromoform	15.30	173	48714	3.79	ppb		97
50)	bromobenzene	16.16	156	166595	3.93	ppb		88
51)	1,1,2,2-tetrachloroethane	16.17	83	77891	3.83	ppb		96
52)	1,2,3-trichloropropane	16.27	75	143580	4.63	ppb		92
54)	ethylbenzene	14.09	91	1000197	5.16	ppb		100
55)	m/p-xylene	14.31	106	1296941	17.31	ppb		99
56)	styrene	15.02	104	438564	4.27	ppb		100
57)	o-xylene	14.99	106	328981	4.75	ppb		96
58)	isopropylbenzene	15.66	105	1207501	6.68	ppb		99
59)	n-propyl benzene	16.39	91	2196238	10.73	ppb		100
60)	2-chlorotoluene	16.52	126	193590	5.10	ppb	#	1
61)	4-chlorotoluene	16.72	126	195700	4.51	ppb	#	41
62)	1,3,5-trimethylbenzene	16.72	105	3155442	24.02	ppb		99
63)	tert-butylbenzene	17.30	119	585023	5.28	ppb		99
64)	1,2,4-trimethylbenzene	17.39	105	6509510	53.12	ppb		99
65)	sec-butylbenzene	17.69	105	865037	5.08	ppb		100
66)	1,3-dichlorobenzene	17.87	146	350093	4.16	ppb		96
67)	4-isopropyltoluene	17.97	119	749751	5.20	ppb		98
68)	1,4-dichlorobenzene	18.03	146	342129	4.16	ppb		97
69)	1,2-dichlorobenzene	18.70	146	276960	4.20	ppb		97
70)	n-butylbenzene	18.71	91	669541	6.12	ppb		74
71)	1,2-dibromo-3-chloropropan	20.10	75	50109	25.21	ppb	#	75
72)	1,2,4-trichlorobenzene	21.65	180	133563	4.39	ppb		98
73)	hexachlorobutadiene	22.00	225	64720	3.98	ppb		96
74)	naphthalene	22.08	128	188173	4.83	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.27	89	38439	22.40	ppb		89
76)	1,2,3-trichlorobenzene	22.53	180	98351	4.40	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702122.D Vial: 22
Acq On : 2 Jul 2005 7:33 pm Operator: jtf
Sample : G145-1111-4d ms x500 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 19:59 2005 Quant Results File: 6210D.RES

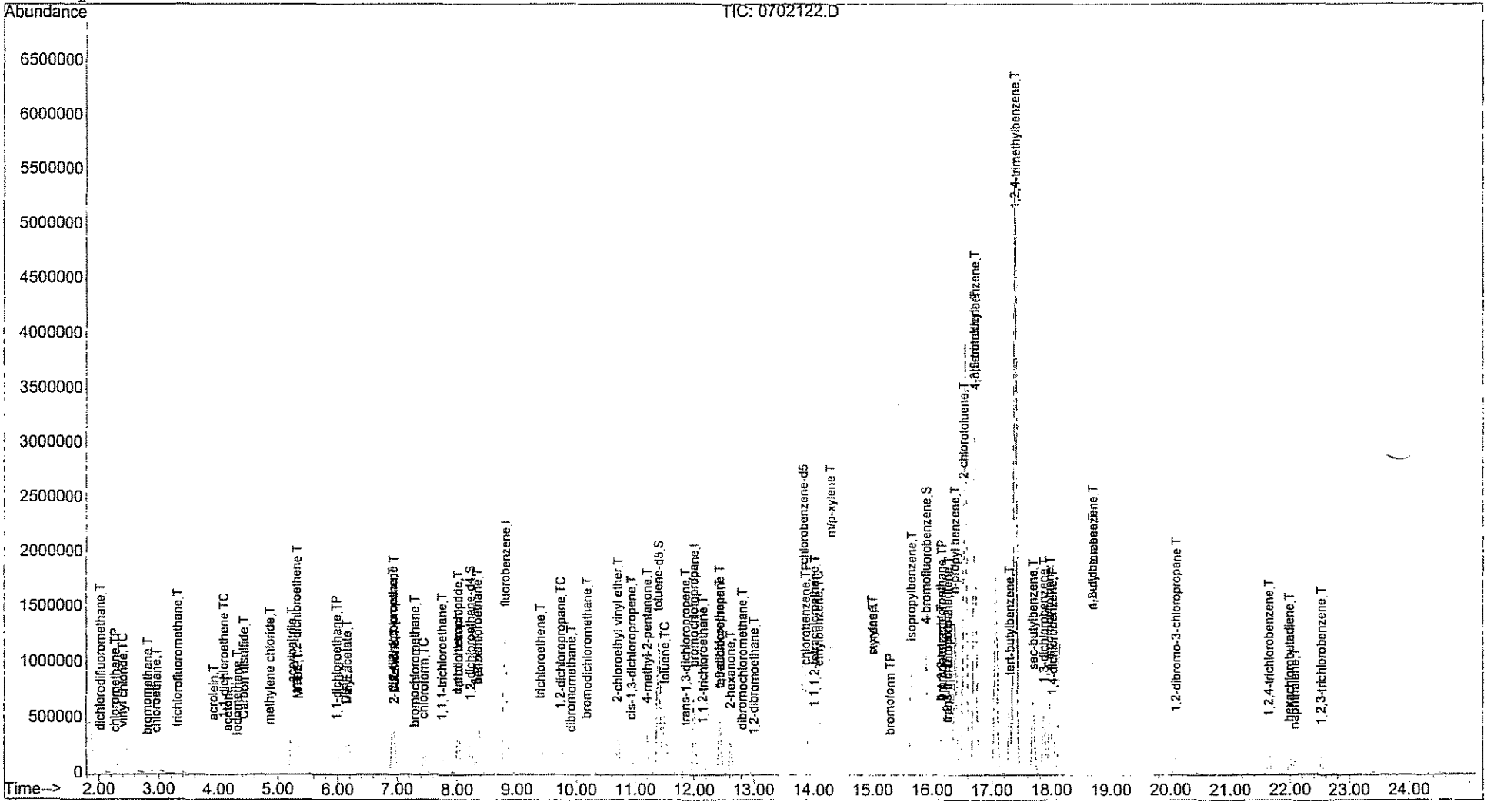
Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.35	73	287302	5.21 ppb	97
78) DIPE	6.17	45	870832	4.95 ppb	94

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

Data File : K:\1\DATA\1070205\0702122.D Vial: 22
Acq On : 2 Jul 2005 7:33 pm Operator: jtf
Sample : G145-1111-4d ms x500 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 19:59 2005 Quant Results File: 6210D.RES

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702123.D Vial: 23
Acq On : 2 Jul 2005 8:05 pm Operator: jtf
Sample : G145-1111-4d msd x500 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 20:31 2005 Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.80	96	2484472	10.00	ppb	0.02
39) bromochloropropane	12.00	79	238852	10.00	ppb	0.01
53) chlorobenzene-d5	13.83	117	1776993	10.00	ppb	0.03
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	8.23	65	401012	11.37	ppb	0.03
Spiked Amount 10.000			Recovery	=	113.70%	
33) toluene-d8	11.40	98	1746783	10.18	ppb	0.03
Spiked Amount 10.000			Recovery	=	101.80%	
49) 4-bromofluorobenzene	15.90	95	778499	9.76	ppb	0.03
Spiked Amount 10.000			Recovery	=	97.60%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	2.03	85	197877	5.45	ppb		98
3) chloromethane	2.29	50	410245	4.90	ppb		97
4) vinyl chloride	2.40	62	375667	5.77	ppb		100
5) bromomethane	2.82	94	126131	7.06	ppb		97
6) chloroethane	2.96	64	189367	5.09	ppb		99
7) trichlorofluoromethane	3.32	101	225173	5.48	ppb		97
8) acrolein	3.91	56	465068	85.50	ppb		99
9) 1,1-dichloroethene	4.09	96	194513	5.15	ppb	#	88
10) acetone	4.17	43	249521	40.12	ppb		97
11) methylene chloride	4.86	84	195754	5.22	ppb		95
12) trans-1,2-dichloroethene	5.33	96	236777	5.07	ppb		91
13) acrylonitrile	5.24	53	1074808	142.88	ppb		99
14) 1,1-dichloroethane	5.99	63	477993	5.33	ppb		99
15) 2,2-dichloropropane	6.93	77	188085	4.25	ppb		97
16) cis-1,2-dichloroethene	6.93	96	236727	4.99	ppb		96
17) 2-butanone	6.96	43	315225	35.94	ppb		99
18) bromochloromethane	7.31	128	82366	4.96	ppb		99
19) chloroform	7.45	83	314476	5.37	ppb		100
20) 1,1,1-trichloroethane	7.75	97	255961	5.33	ppb		98
21) carbon tetrachloride	8.02	117	207339	5.52	ppb		99
22) 1,1-dichloropropene	8.02	75	273137	5.51	ppb		97
24) benzene	8.35	78	841493	5.33	ppb		97
25) 1,2-dichloroethane	8.36	62	179819	5.55	ppb		94
26) trichloroethene	9.39	95	247974	5.77	ppb		98
27) 1,2-dichloropropane	9.74	63	247750	5.15	ppb		100
28) dibromomethane	9.92	93	65802	5.20	ppb		94
29) bromodichloromethane	10.19	83	179647	5.27	ppb		97
30) 2-chloroethyl vinyl ether	10.71	106	69826	31.23	ppb		94
31) cis-1,3-dichloropropene	10.94	75	222199	5.28	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702123.D
Acq On : 2 Jul 2005 8:05 pm
Sample : G145-1111-4d msd x500
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 2 20:31 2005

Vial: 23
Operator: jtf
Inst : MSD1
Multiplr: 1.00
Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	11.20	43	522729	29.97	ppb		99
34)	toluene	11.51	92	549532	5.16	ppb		98
35)	Iodomethane	4.32	142	274927	7.70	ppb		95
36)	trans-1,3-dichloropropene	11.86	75	147639	5.38	ppb		93
37)	Vinyl acetate	6.16	43	611605	7.54	ppb	#	80
38)	Carbon disulfide	4.43	76	716832	5.73	ppb		99
40)	1,1,2-trichloroethane	12.17	83	81010	4.77	ppb		97
41)	tetrachloroethene	12.43	166	219324	4.39	ppb		96
42)	1,3-dichloropropane	12.44	76	183329	5.01	ppb		98
43)	2-hexanone	12.61	43	430415	33.93	ppb		97
44)	dibromochloromethane	12.83	129	120971	4.62	ppb		96
45)	1,2-dibromoethane	13.00	107	93741	4.66	ppb		97
46)	chlorobenzene	13.88	112	534684	4.61	ppb		95
47)	1,1,1,2-tetrachloroethane	14.02	131	173097	4.75	ppb		98
48)	bromoform	15.29	173	53431	4.26	ppb		98
50)	bromobenzene	16.16	156	179063	4.33	ppb		92
51)	1,1,2,2-tetrachloroethane	16.16	83	83039	4.19	ppb		96
52)	1,2,3-trichloropropane	16.26	75	157801	5.22	ppb		97
54)	ethylbenzene	14.08	91	1085843	5.71	ppb		99
55)	m/p-xylene	14.30	106	1361537	18.53	ppb		100
56)	styrene	15.01	104	484276	4.80	ppb		100
57)	o-xylene	14.99	106	353054	5.19	ppb		97
58)	isopropylbenzene	15.65	105	1293997	7.30	ppb		99
59)	n-propyl benzene	16.39	91	2282313	11.36	ppb		100
60)	2-chlorotoluene	16.52	126	210997	5.67	ppb	#	1
61)	4-chlorotoluene	16.71	126	214047	5.03	ppb	#	44
62)	1,3,5-trimethylbenzene	16.71	105	3214223	24.95	ppb		99
63)	tert-butylbenzene	17.29	119	636207	5.85	ppb		96
64)	1,2,4-trimethylbenzene	17.38	105	6658544	55.40	ppb		99
65)	sec-butylbenzene	17.69	105	953946	5.72	ppb		100
66)	1,3-dichlorobenzene	17.86	146	386196	4.68	ppb		95
67)	4-isopropyltoluene	17.96	119	840794	5.94	ppb		98
68)	1,4-dichlorobenzene	18.02	146	377146	4.68	ppb		97
69)	1,2-dichlorobenzene	18.69	146	304461	4.70	ppb		95
70)	n-butylbenzene	18.71	91	723171	6.74	ppb		84
71)	1,2-dibromo-3-chloropropan	20.10	75	57111	29.29	ppb	#	71
72)	1,2,4-trichlorobenzene	21.64	180	153268	5.13	ppb		99
73)	hexachlorobutadiene	22.00	225	74250	4.65	ppb		100
74)	naphthalene	22.07	128	207602	5.43	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.27	89	44510	26.02	ppb		87
76)	1,2,3-trichlorobenzene	22.53	180	112631	5.14	ppb		99

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

Quantitation Report (Not Reviewed)

Data File : K:\1\DATA\1070205\0702123.D Vial: 23
Acq On : 2 Jul 2005 8:05 pm Operator: jtf
Sample : G145-1111-4d msd x500 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 20:31 2005 Quant Results File: 6210D.RES

Quant Method : D:\HPCHEM\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration
DataAcq Meth : 6210D

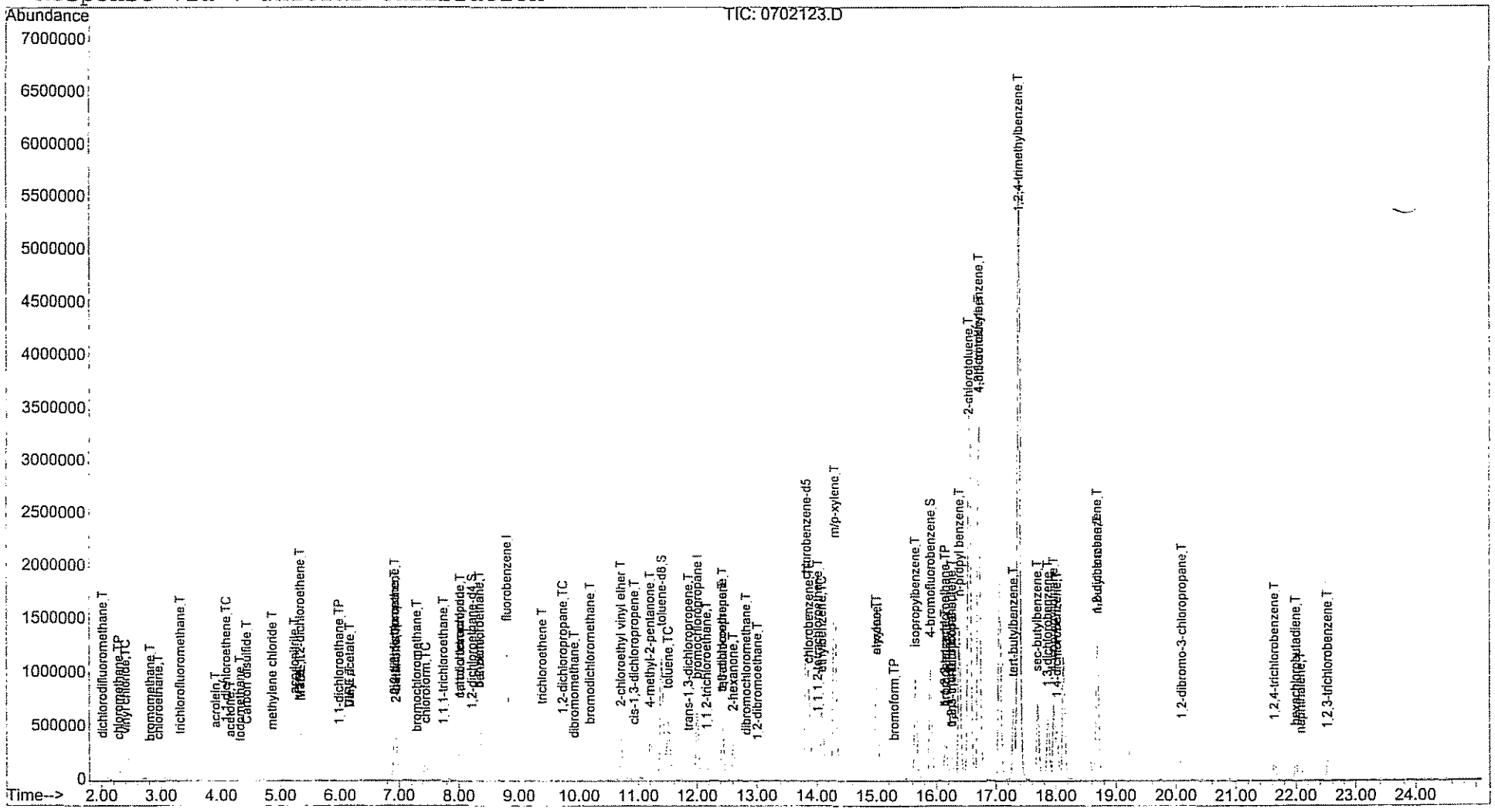
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.35	73	313769	5.80 ppb	99
78) DIPE	6.16	45	963490	5.59 ppb	96

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

Quantitation Report

Data File : K:\1\DATA\1070205\0702123.D Vial: 23
Acq On : 2 Jul 2005 8:05 pm Operator: jtf
Sample : G145-1111-4d msd x500 Inst : MSD1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 20:31 2005 Quant Results File: 6210D.RES

Method : K:\1\DATA\1070205\6210D.M (RTE Integrator)
Title : water for 8260/8240/624/App.II/App.IX
Last Update : Mon Jun 27 14:51:42 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707304.D
Acq On : 7 Jul 2005 6:33 am
Sample : LCS3070705a
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 6:58 2005

Vial: 4
Operator: RNP
Inst : MSD3
Multiplr: 1.00

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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.49	96	3308874	50.00	ppb	-0.02
39) bromochloropropane	11.72	79	416943	50.00	ppb	-0.02
53) chlorobenzene-d5	13.54	117	2527099	50.00	ppb	-0.01
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.96	65	1007198	49.22	ppb	0.00
Spiked Amount 50.000			Recovery = 98.44%			
33) toluene-d8	11.09	98	2422957	50.37	ppb	-0.01
Spiked Amount 50.000			Recovery = 100.74%			
49) 4-bromofluorobenzene	15.61	95	1277899	51.22	ppb	-0.01
Spiked Amount 50.000			Recovery = 102.44%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.90	85	1446181	80.29	ppb #	86
3) chloromethane	2.11	50	2153686	85.10	ppb #	85
4) vinyl chloride	2.24	62	2280316	85.11	ppb #	89
5) bromomethane	2.61	94	565975	91.43	ppb	92
6) chloroethane	2.72	64	397967	48.93	ppb #	85
7) trichlorofluoromethane	3.04	101	1888316	68.82	ppb	97
8) acrolein	3.69	56	2105977	4706.10	ppb #	59
9) 1,1-dichloroethene	3.80	96	1523955	88.62	ppb	90
10) acetone	3.96	43	1228276	146.44	ppb	94
11) methylene chloride	4.59	84	1868126	93.44	ppb	92
12) trans-1,2-dichloroethene	5.02	96	1976532	89.84	ppb	94
13) acrylonitrile	5.01	53	9011668	1375.87	ppb	90
14) 1,1-dichloroethane	5.70	63	3640748	88.25	ppb	93
15) 2,2-dichloropropane	6.63	77	2852745	92.02	ppb	97
16) cis-1,2-dichloroethene	6.65	96	2030375	93.87	ppb	88
17) 2-butanone	6.71	43	2960759	143.20	ppb #	100
18) bromochloromethane	7.02	128	770397	101.89	ppb	83
19) chloroform	7.18	83	3241980	92.47	ppb	94
20) 1,1,1-trichloroethane	7.44	97	2866765	88.91	ppb	90
21) carbon tetrachloride	7.70	117	2481383	88.74	ppb	99
22) 1,1-dichloropropene	7.70	75	2791328	88.30	ppb #	95
24) benzene	8.04	78	8274555	87.93	ppb	99
25) 1,2-dichloroethane	8.08	62	2400017	98.36	ppb	98
26) trichloroethene	9.09	95	2056330	89.85	ppb	86
27) 1,2-dichloropropane	9.45	63	2115591	92.67	ppb #	100
28) dibromomethane	9.64	93	1031407	110.48	ppb #	98
29) bromodichloromethane	9.91	83	2242868	95.35	ppb #	80
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.		
31) cis-1,3-dichloropropene	10.65	75	2827435	97.70	ppb	96

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707304.D
Acq On : 7 Jul 2005 6:33 am
Sample : LCS3070705a
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 6:58 2005

Vial: 4
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	6666160	126.83	ppb	#	95
34)	toluene	11.20	92	5076798	91.42	ppb		96
35)	Iodomethane	4.03	142	1296155	82.60	ppb		90
36)	trans-1,3-dichloropropene	11.59	75	2439090	99.44	ppb		98
37)	Vinyl acetate	5.83	86	840992	219.11	ppb	#	1
38)	Carbon disulfide	4.12	76	5657346	86.12	ppb	#	96
40)	1,1,2-trichloroethane	11.89	83	1307533	108.39	ppb	#	78
41)	tetrachloroethene	12.12	166	1855957	95.08	ppb		94
42)	1,3-dichloropropane	12.17	76	2830840	105.35	ppb	#	84
43)	2-hexanone	12.35	43	4976264	136.99	ppb	#	95
44)	dibromochloromethane	12.55	129	1448882	104.38	ppb		87
45)	1,2-dibromoethane	12.72	107	1627399	114.01	ppb	#	78
46)	chlorobenzene	13.58	112	5286481	94.74	ppb		99
47)	1,1,1,2-tetrachloroethane	13.74	131	1408866	94.35	ppb		93
48)	bromoform	15.03	173	1040485	116.03	ppb	#	100
50)	bromobenzene	15.86	156	1793618	98.23	ppb		96
51)	1,1,2,2-tetrachloroethane	15.90	83	2296449	123.42	ppb	#	62
52)	1,2,3-trichloropropane	16.00	75	5571765	130.37	ppb	#	10
54)	ethylbenzene	13.80	91	9914601	93.06	ppb		100
55)	m/p-xylene	14.00	106	7197425	179.40	ppb		97
56)	styrene	14.72	104	5076386	93.21	ppb		100
57)	o-xylene	14.69	106	3337866	91.32	ppb		97
58)	isopropylbenzene	15.35	105	9194788	91.15	ppb		99
59)	n-propyl benzene	16.09	91	11984336	95.36	ppb		95
60)	2-chlorotoluene	16.22	126	1805768	90.09	ppb		99
61)	4-chlorotoluene	16.42	126	1887578	93.14	ppb		92
62)	1,3,5-trimethylbenzene	16.42	105	7530148	90.57	ppb		96
63)	tert-butylbenzene	16.99	119	6265936	91.08	ppb		98
64)	1,2,4-trimethylbenzene	17.08	105	7591127	91.97	ppb		95
65)	sec-butylbenzene	17.39	105	10596836	93.65	ppb		99
66)	1,3-dichlorobenzene	17.56	146	3523057	93.36	ppb		96
67)	4-isopropyltoluene	17.67	119	8285303	92.60	ppb		93
68)	1,4-dichlorobenzene	17.73	146	3540815	93.86	ppb		94
69)	1,2-dichlorobenzene	18.39	146	3189941	97.69	ppb		95
70)	n-butylbenzene	18.41	91	8722188	94.03	ppb		97
71)	1,2-dibromo-3-chloropropan	19.81	75	2712385	133.68	ppb	#	48
72)	1,2,4-trichlorobenzene	21.34	180	2274446	105.06	ppb	#	81
73)	hexachlorobutadiene	21.68	225	944458	97.94	ppb		97
74)	naphthalene	21.77	128	6243890	119.65	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	2040144	127.91	ppb	#	76
76)	1,2,3-trichlorobenzene	22.22	180	2087964	108.44	ppb		95

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707304.D
Acq On : 7 Jul 2005 6:33 am
Sample : LCS3070705a
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 6:58 2005

Vial: 4
Operator: RNP
Inst : MSD3
Multiplr: 1.00

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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.07	73	5431879	100.31 ppb	97
78) DIPE	5.87	45	8325694	87.20 ppb	97

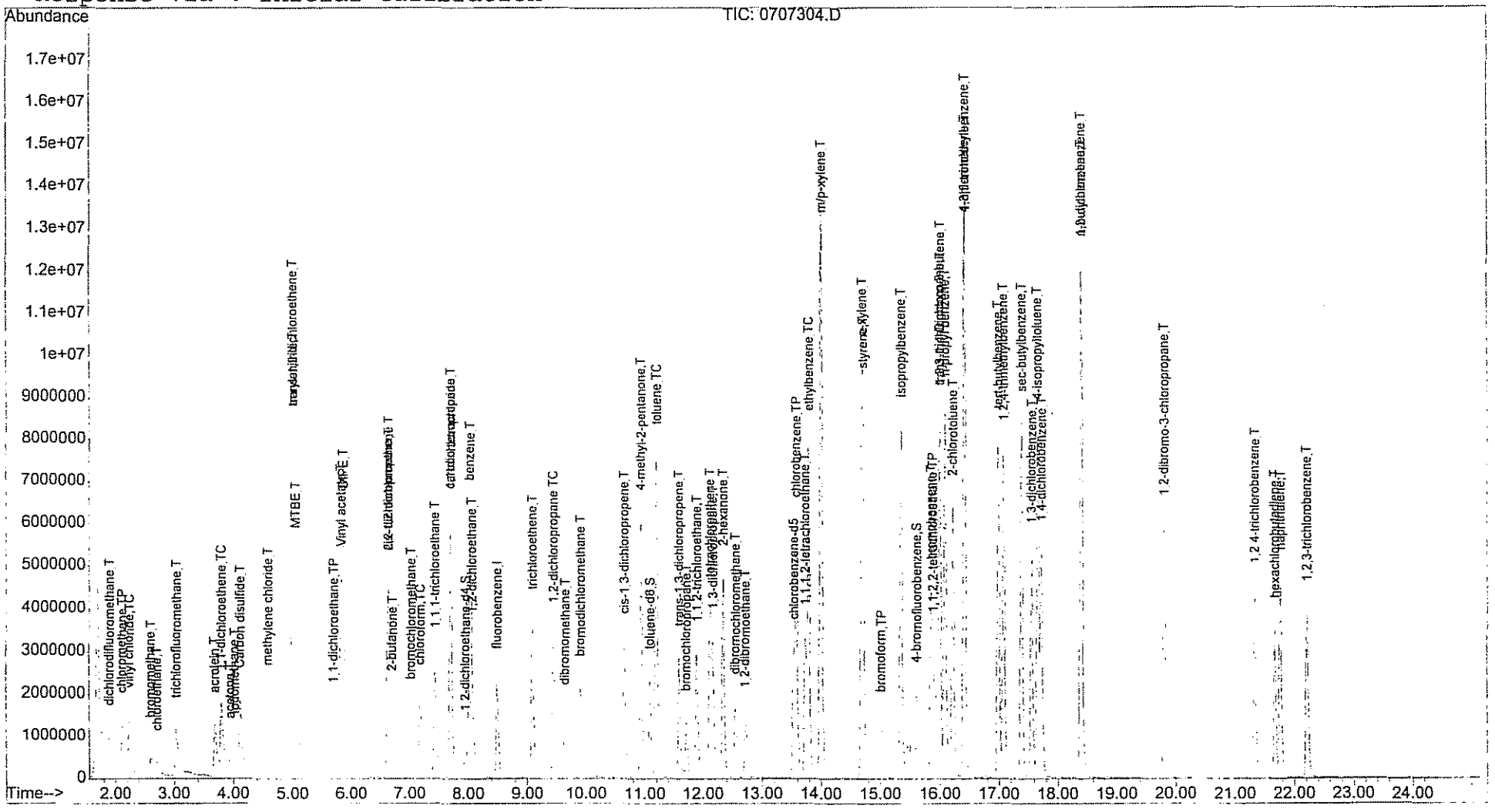
(#) = qualifier out of range (m) = manual integration

Data File : G:\1\DATA\3070705\0707304.D
Acq On : 7 Jul 2005 6:33 am
Sample : LCS3070705a
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 6:58 2005

Vial: 4
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707305.D
Acq On : 7 Jul 2005 7:04 am
Sample : LCS3070705b
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 7:29 2005

Vial: 5
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	3179845	50.00	ppb	-0.01
39) bromochloropropane	11.73	79	401614	50.00	ppb	-0.01
53) chlorobenzene-d5	13.54	117	2390314	50.00	ppb	-0.01
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.96	65	936821	47.64	ppb	0.00
Spiked Amount 50.000			Recovery = 95.28%			
33) toluene-d8	11.09	98	2317672	50.14	ppb	-0.01
Spiked Amount 50.000			Recovery = 100.28%			
49) 4-bromofluorobenzene	15.61	95	1217742	50.68	ppb	-0.01
Spiked Amount 50.000			Recovery = 101.36%			

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.90	85	1571733	90.80	ppb	#	86
3) chloromethane	2.11	50	2164943	89.02	ppb	#	85
4) vinyl chloride	2.24	62	2393977	92.98	ppb	#	89
5) bromomethane	2.61	94	594238	100.30	ppb		96
6) chloroethane	2.72	64	436908	64.05	ppb	#	87
7) trichlorofluoromethane	3.04	101	1974761	74.89	ppb		96
8) acrolein	3.70	56	2417314	5718.43	ppb	#	60
9) 1,1-dichloroethene	3.80	96	1706187	103.24	ppb		88
10) acetone	3.96	43	1207768	150.08	ppb		96
11) methylene chloride	4.59	84	2019324	105.10	ppb		93
12) trans-1,2-dichloroethene	5.02	96	2220095	105.01	ppb		97
13) acrylonitrile	5.01	53	8702634	1382.60	ppb		91
14) 1,1-dichloroethane	5.70	63	3980064	100.39	ppb		93
15) 2,2-dichloropropane	6.63	77	3142131	105.47	ppb		95
16) cis-1,2-dichloroethene	6.65	96	2188421	105.29	ppb		88
17) 2-butanone	6.72	43	2811267	141.48	ppb	#	100
18) bromochloromethane	7.03	128	791609	108.95	ppb		86
19) chloroform	7.18	83	3481883	103.35	ppb		92
20) 1,1,1-trichloroethane	7.44	97	3176274	102.51	ppb	#	87
21) carbon tetrachloride	7.70	117	2805019	104.38	ppb		99
22) 1,1-dichloropropene	7.71	75	3092760	101.80	ppb	#	92
24) benzene	8.04	78	9098301	100.60	ppb		98
25) 1,2-dichloroethane	8.08	62	2519485	107.44	ppb		99
26) trichloroethene	9.09	95	2270953	103.26	ppb		89
27) 1,2-dichloropropane	9.45	63	2269036	103.42	ppb	#	100
28) dibromomethane	9.65	93	1052037	117.26	ppb	#	98
29) bromodichloromethane	9.92	83	2425981	107.32	ppb	#	79
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.66	75	3024024	108.74	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707305.D
Acq On : 7 Jul 2005 7:04 am
Sample : LCS3070705b
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 7:29 2005

Vial: 5
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	6271587	124.16	ppb	#	95
34)	toluene	11.20	92	5663452	106.12	ppb		99
35)	Iodomethane	4.03	142	1439073	95.42	ppb	#	86
36)	trans-1,3-dichloropropene	11.60	75	2595169	110.09	ppb		99
37)	Vinyl acetate	5.83	86	938725	254.50	ppb	#	1
38)	Carbon disulfide	4.11	76	6200276	98.21	ppb	#	95
40)	1,1,2-trichloroethane	11.89	83	1370856	117.97	ppb	#	82
41)	tetrachloroethene	12.12	166	2056324	109.37	ppb		92
42)	1,3-dichloropropane	12.17	76	2935289	113.41	ppb	#	84
43)	2-hexanone	12.35	43	4570212	130.61	ppb	#	94
44)	dibromochloromethane	12.55	129	1522731	113.89	ppb		90
45)	1,2-dibromoethane	12.72	107	1651041	120.08	ppb	#	80
46)	chlorobenzene	13.59	112	5663673	105.38	ppb		99
47)	1,1,1,2-tetrachloroethane	13.74	131	1492596	103.78	ppb		98
48)	bromoform	15.02	173	1068426	123.61	ppb	#	100
50)	bromobenzene	15.86	156	1897944	107.92	ppb		97
51)	1,1,2,2-tetrachloroethane	15.89	83	2239160	124.94	ppb	#	59
52)	1,2,3-trichloropropane	16.00	75	5284398	128.40	ppb	#	8
54)	ethylbenzene	13.80	91	10923605	108.39	ppb		100
55)	m/p-xylene	14.00	106	7886158	207.81	ppb		96
56)	styrene	14.72	104	5443760	105.67	ppb		100
57)	o-xylene	14.69	106	3591520	103.88	ppb		95
58)	isopropylbenzene	15.35	105	10260989	107.54	ppb		98
59)	n-propyl benzene	16.09	91	13166965	110.76	ppb		94
60)	2-chlorotoluene	16.22	126	1971646	103.99	ppb		99
61)	4-chlorotoluene	16.42	126	1970801	102.81	ppb		96
62)	1,3,5-trimethylbenzene	16.42	105	8178896	104.01	ppb		96
63)	tert-butylbenzene	16.99	119	6807097	104.60	ppb		94
64)	1,2,4-trimethylbenzene	17.08	105	8183729	104.83	ppb		95
65)	sec-butylbenzene	17.39	105	11613053	108.50	ppb		98
66)	1,3-dichlorobenzene	17.56	146	3716115	104.12	ppb		97
67)	4-isopropyltoluene	17.67	119	8996451	106.30	ppb		93
68)	1,4-dichlorobenzene	17.73	146	3703090	103.78	ppb		93
69)	1,2-dichlorobenzene	18.39	146	3274936	106.03	ppb		91
70)	n-butylbenzene	18.41	91	9497027	108.24	ppb		99
71)	1,2-dibromo-3-chloropropan	19.81	75	2547325	132.73	ppb	#	53
72)	1,2,4-trichlorobenzene	21.34	180	2367601	115.62	ppb	#	81
73)	hexachlorobutadiene	21.68	225	1017493	111.55	ppb		92
74)	naphthalene	21.77	128	5963013	120.80	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	1930521	127.96	ppb	#	73
76)	1,2,3-trichlorobenzene	22.22	180	2098549	115.22	ppb		94

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707305.D
Acq On : 7 Jul 2005 7:04 am
Sample : LCS3070705b
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 7:29 2005

Vial: 5
Operator: RNP
Inst : MSD3
Multiplr: 1.00
Quant Results File: 8260SSC.RES

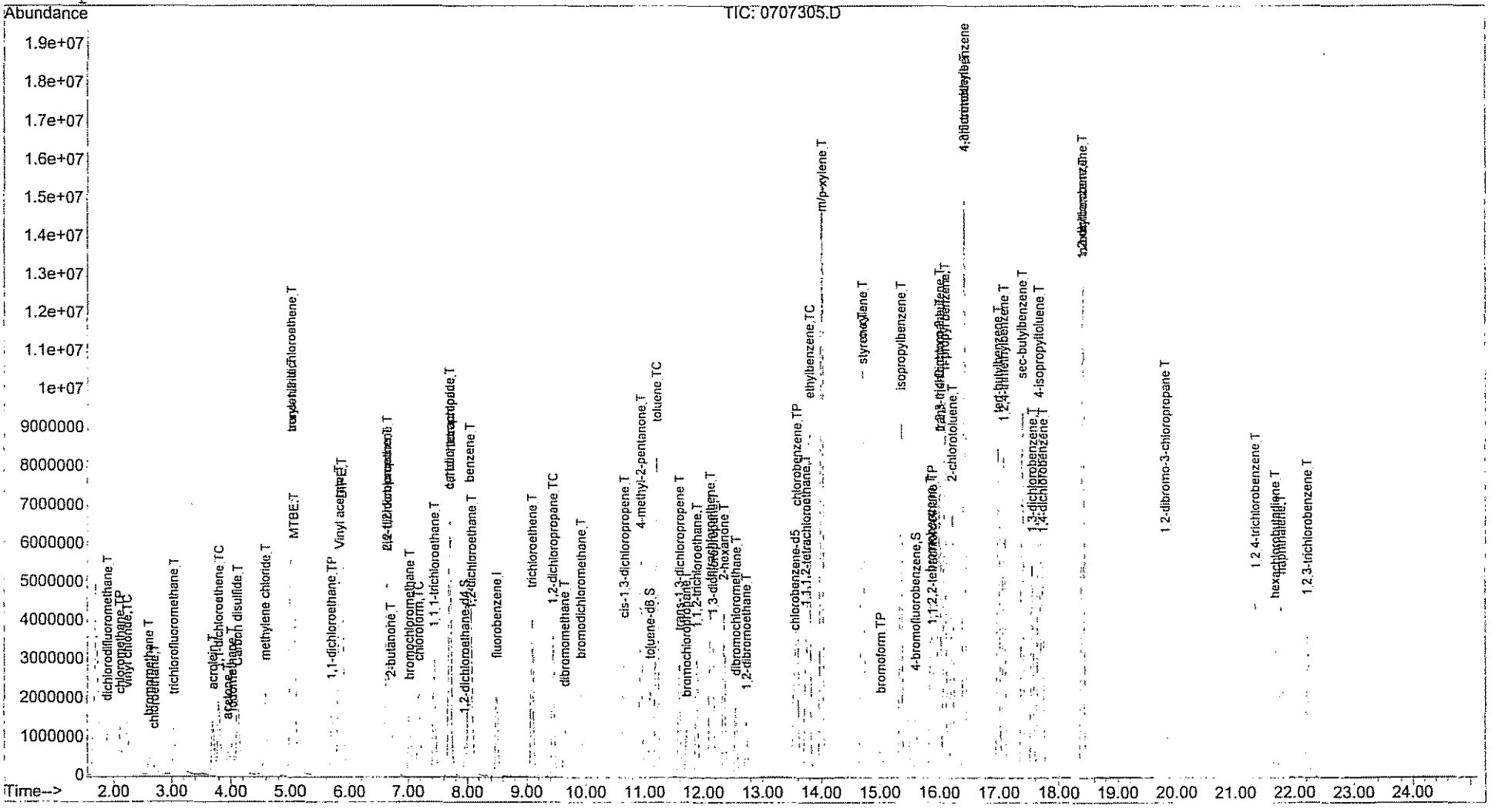
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.07	73	5626455	109.85 ppb	98
78) DIPE	5.88	45	8862319	98.13 ppb	94

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

Data File : G:\1\DATA\3070705\0707305.D Vial: 5
Acq On : 7 Jul 2005 7:04 am Operator: RNP
Sample : LCS3070705b Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 7:29 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707307.D
Acq On : 7 Jul 2005 8:08 am
Sample : VBLK1070705b
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 8:33 2005

Vial: 7
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) fluorobenzene	8.50	96	3478118	50.00 ppb	0.00
39) bromochloropropane	11.72	79	431606	50.00 ppb	-0.02
53) chlorobenzene-d5	13.53	117	2573469	50.00 ppb	-0.02
System Monitoring Compounds					
23) 1,2-dichloroethane-d4	7.96	65	1053117	48.96 ppb	0.00
Spiked Amount 50.000			Recovery = 97.92%		
33) toluene-d8	11.10	98	2516584	49.77 ppb	0.00
Spiked Amount 50.000			Recovery = 99.54%		
49) 4-bromofluorobenzene	15.61	95	1253557	48.54 ppb	0.00
Spiked Amount 50.000			Recovery = 97.08%		

Target Compounds					Qvalue
2) dichlorodifluoromethane	1.90	85	592	0.03 ppb #	51
3) chloromethane	2.14	50	1347	0.05 ppb #	41
4) vinyl chloride	0.00	62	0	N.D.	
5) bromomethane	2.70	94	1037	Below Cal #	2
6) chloroethane	0.00	64	0	N.D.	
7) trichlorofluoromethane	0.00	101	0	N.D.	
8) acrolein	3.75	56	10194	Below Cal #	12
9) 1,1-dichloroethene	0.00	96	0	N.D.	
10) acetone	3.94	43	75241	Below Cal	100
11) methylene chloride	4.59	84	1583	0.08 ppb #	51
12) trans-1,2-dichloroethene	0.00	96	0	N.D.	
13) acrylonitrile	5.00	53	12037	1.75 ppb #	81
14) 1,1-dichloroethane	0.00	63	0	N.D.	
15) 2,2-dichloropropane	0.00	77	0	N.D.	
16) cis-1,2-dichloroethene	0.00	96	0	N.D.	
17) 2-butanone	6.71	43	4555	0.21 ppb #	100
18) bromochloromethane	0.00	128	0	N.D.	
19) chloroform	0.00	83	0	N.D.	
20) 1,1,1-trichloroethane	0.00	97	0	N.D.	
21) carbon tetrachloride	0.00	117	0	N.D.	
22) 1,1-dichloropropene	0.00	75	0	N.D.	
24) benzene	8.05	78	31871	0.32 ppb #	86
25) 1,2-dichloroethane	0.00	62	0	N.D.	
26) trichloroethene	0.00	95	0	N.D.	
27) 1,2-dichloropropane	0.00	63	0	N.D.	
28) dibromomethane	0.00	93	0	N.D.	
29) bromodichloromethane	0.00	83	0	N.D.	
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.	
31) cis-1,3-dichloropropene	0.00	75	0	N.D.	

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707307.D
Acq On : 7 Jul 2005 8:08 am
Sample : VBLK1070705b
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 8:33 2005

Vial: 7
Operator: RNP
Inst : MSD3
Multiplr: 1.00

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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32)	4-methyl-2-pentanone	10.93	43	647	0.01 ppb	#	38
34)	toluene	11.20	92	6948	0.12 ppb		84
35)	Iodomethane	0.00	142	0	N.D.		
36)	trans-1,3-dichloropropene	11.73	75	19197	0.74 ppb	#	50
37)	Vinyl acetate	0.00	86	0	N.D.		
38)	Carbon disulfide	4.16	76	608	0.01 ppb	#	80
40)	1,1,2-trichloroethane	0.00	83	0	N.D.		
41)	tetrachloroethene	0.00	166	0	N.D.		
42)	1,3-dichloropropane	12.17	76	1232	0.04 ppb	#	34
43)	2-hexanone	12.36	43	2995	0.08 ppb	#	26
44)	dibromochloromethane	0.00	129	0	N.D.		
45)	1,2-dibromoethane	0.00	107	0	N.D.		
46)	chlorobenzene	13.58	112	4263	0.07 ppb	#	78
47)	1,1,1,2-tetrachloroethane	0.00	131	0	N.D.		
48)	bromoform	0.00	173	0	N.D.		
50)	bromobenzene	15.86	156	687	0.04 ppb	#	29
51)	1,1,2,2-tetrachloroethane	0.00	83	0	N.D.		
52)	1,2,3-trichloropropane	16.10	75	5576	2.16 ppb	#	1
54)	ethylbenzene	13.81	91	4886	0.05 ppb	#	45
55)	m/p-xylene	13.99	106	2894	0.07 ppb	#	67
56)	styrene	14.72	104	2372	0.04 ppb		100
57)	o-xylene	14.69	106	719	0.02 ppb		98
58)	isopropylbenzene	0.00	105	0	N.D.		
59)	n-propyl benzene	16.08	91	8738	0.07 ppb	#	81
60)	2-chlorotoluene	16.11	126	949	0.05 ppb	#	1
61)	4-chlorotoluene	16.43	126	652	0.03 ppb	#	1
62)	1,3,5-trimethylbenzene	16.41	105	4085	0.05 ppb	#	52
63)	tert-butylbenzene	17.00	119	1669	0.02 ppb	#	12
64)	1,2,4-trimethylbenzene	17.09	105	6876	0.08 ppb	#	36
65)	sec-butylbenzene	17.39	105	4113	0.04 ppb	#	62
66)	1,3-dichlorobenzene	17.56	146	8041	0.21 ppb	#	67
67)	4-isopropyltoluene	17.67	119	5508	0.06 ppb	#	48
68)	1,4-dichlorobenzene	17.74	146	7764	0.20 ppb	#	74
69)	1,2-dichlorobenzene	18.39	146	3674	0.11 ppb	#	59
70)	n-butylbenzene	18.41	91	8374	0.09 ppb	#	71
71)	1,2-dibromo-3-chloropropan	19.81	75	3862	0.19 ppb	#	84
72)	1,2,4-trichlorobenzene	21.34	180	6505	0.30 ppb	#	72
73)	hexachlorobutadiene	21.68	225	681	0.07 ppb	#	45
74)	naphthalene	21.77	128	34521	0.65 ppb		100
75)	trans-1,4-Dichloro-2-buten	0.00	89	0	N.D.		
76)	1,2,3-trichlorobenzene	22.22	180	5784	0.29 ppb	#	5

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707307.D
Acq On : 7 Jul 2005 8:08 am
Sample : VBLK1070705b
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 8:33 2005

Vial: 7
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

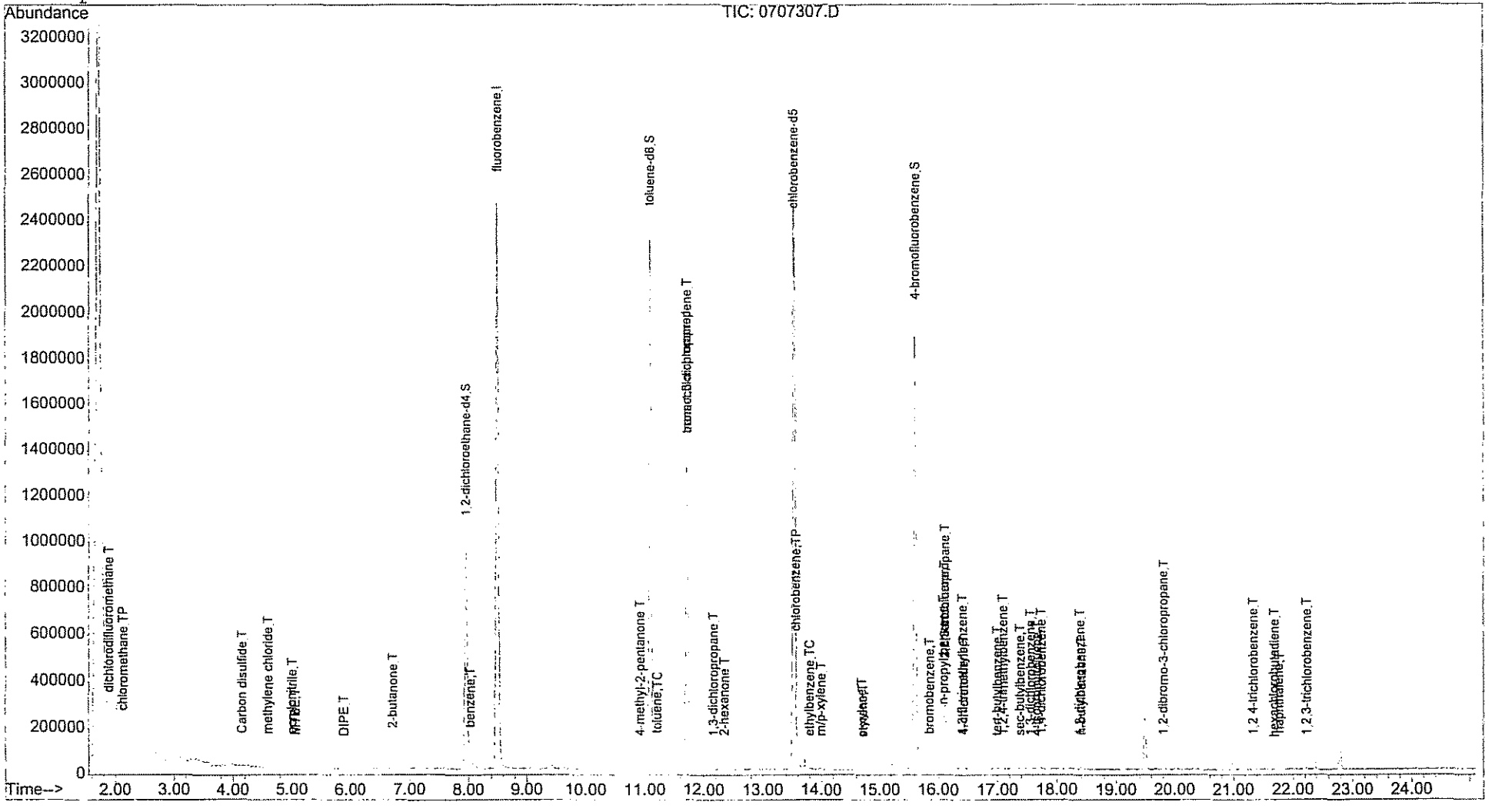
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
77) MTBE	5.06	73	759	0.01 ppb	#	50
78) DIPE	5.89	45	1999	0.02 ppb	#	34

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

Data File : G:\1\DATA\3070705\0707307.D Vial: 7
Acq On : 7 Jul 2005 8:08 am Operator: RNP
Sample : VBLK1070705b Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 8:33 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707314.D
Acq On : 7 Jul 2005 11:48 am
Sample : G161-2047-14a
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 12:13 2005

Vial: 14
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) fluorobenzene	8.50	96	3254781	50.00 ppb	-0.01
39) bromochloropropane	11.73	79	415313	50.00 ppb	-0.01
53) chlorobenzene-d5	13.54	117	2512809	50.00 ppb	-0.01
System Monitoring Compounds					
23) 1,2-dichloroethane-d4	7.96	65	1066075	52.96 ppb	0.00
Spiked Amount 50.000			Recovery	= 105.92%	
33) toluene-d8	11.10	98	2393389	50.58 ppb	-0.01
Spiked Amount 50.000			Recovery	= 101.16%	
49) 4-bromofluorobenzene	15.61	95	1211134	48.74 ppb	-0.01
Spiked Amount 50.000			Recovery	= 97.48%	

Target Compounds					Qvalue
2) dichlorodifluoromethane	0.00	85	0	N.D.	
3) chloromethane	0.00	50	0	N.D.	
4) vinyl chloride	0.00	62	0	N.D.	
5) bromomethane	2.67	94	2845	Below Cal #	2
6) chloroethane	0.00	64	0	N.D.	
7) trichlorofluoromethane	3.12	101	7036	0.26 ppb	96
8) acrolein	3.71	56	2934	Below Cal #	1
9) 1,1-dichloroethene	0.00	96	0	N.D.	
10) acetone	3.94	43	143273	8.14 ppb	95
11) methylene chloride	4.60	84	30090	1.53 ppb #	89
12) trans-1,2-dichloroethene	0.00	96	0	N.D.	
13) acrylonitrile	5.00	53	998	0.15 ppb	97
14) 1,1-dichloroethane	0.00	63	0	N.D.	
15) 2,2-dichloropropane	0.00	77	0	N.D.	
16) cis-1,2-dichloroethene	0.00	96	0	N.D.	
17) 2-butanone	6.72	43	18131	0.89 ppb #	100
18) bromochloromethane	0.00	128	0	N.D.	
19) chloroform	0.00	83	0	N.D.	
20) 1,1,1-trichloroethane	0.00	97	0	N.D.	
21) carbon tetrachloride	0.00	117	0	N.D.	
22) 1,1-dichloropropene	0.00	75	0	N.D.	
24) benzene	8.05	78	81947	0.89 ppb #	79
25) 1,2-dichloroethane	0.00	62	0	N.D.	
26) trichloroethene	0.00	95	0	N.D.	
27) 1,2-dichloropropane	0.00	63	0	N.D.	
28) dibromomethane	0.00	93	0	N.D.	
29) bromodichloromethane	0.00	83	0	N.D.	
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.	
31) cis-1,3-dichloropropene	0.00	75	0	N.D.	

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707314.D
Acq On : 7 Jul 2005 11:48 am
Sample : G161-2047-14a
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 12:13 2005

Vial: 14
Operator: RNP
Inst : MSD3
Multiplr: 1.00

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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	4582	0.09 ppb	#	38
34)	toluene	11.21	92	179127	3.28 ppb		97
35)	Iodomethane	0.00	142	0	N.D.		
36)	trans-1,3-dichloropropene	11.72	75	16604	0.69 ppb	#	50
37)	Vinyl acetate	0.00	86	0	N.D.		
38)	Carbon disulfide	4.16	76	127388	1.97 ppb	#	97
40)	1,1,2-trichloroethane	0.00	83	0	N.D.		
41)	tetrachloroethene	0.00	166	0	N.D.		
42)	1,3-dichloropropane	0.00	76	0	N.D.		
43)	2-hexanone	12.37	43	1383	0.04 ppb	#	26
44)	dibromochloromethane	0.00	129	0	N.D.		
45)	1,2-dibromoethane	0.00	107	0	N.D.		
46)	chlorobenzene	0.00	112	0	N.D.		
47)	1,1,1,2-tetrachloroethane	0.00	131	0	N.D.		
48)	bromoform	0.00	173	0	N.D.		
50)	bromobenzene	0.00	156	0	N.D.		
51)	1,1,2,2-tetrachloroethane	0.00	83	0	N.D.		
52)	1,2,3-trichloropropane	16.11	75	2251	2.09 ppb	#	1
54)	ethylbenzene	13.79	91	88642	0.84 ppb		98
55)	m/p-xylene	14.00	106	115794	2.90 ppb		93
56)	styrene	14.70	104	764	0.01 ppb		100
57)	o-xylene	14.69	106	63564	1.75 ppb		99
58)	isopropylbenzene	15.35	105	8991	0.09 ppb	#	64
59)	n-propyl benzene	16.08	91	21216	0.17 ppb	#	66
60)	2-chlorotoluene	0.00	126	0	N.D.		
61)	4-chlorotoluene	0.00	126	0	N.D.		
62)	1,3,5-trimethylbenzene	16.42	105	25967	0.31 ppb		88
63)	tert-butylbenzene	0.00	119	0	N.D.		
64)	1,2,4-trimethylbenzene	17.09	105	96009	1.17 ppb		98
65)	sec-butylbenzene	17.39	105	3654	0.03 ppb	#	62
66)	1,3-dichlorobenzene	17.73	146	1591	0.04 ppb	#	26
67)	4-isopropyltoluene	17.66	119	1661	0.02 ppb	#	48
68)	1,4-dichlorobenzene	17.73	146	1591	0.04 ppb	#	21
69)	1,2-dichlorobenzene	0.00	146	0	N.D.		
70)	n-butylbenzene	18.41	91	6036	0.07 ppb	#	57
71)	1,2-dibromo-3-chloropropan	19.50	75	1324	0.07 ppb	#	24
72)	1,2,4-trichlorobenzene	0.00	180	0	N.D.		
73)	hexachlorobutadiene	0.00	225	0	N.D.		
74)	naphthalene	21.77	128	62699	1.21 ppb		100
75)	trans-1,4-Dichloro-2-buten	0.00	89	0	N.D.		
76)	1,2,3-trichlorobenzene	0.00	180	0	N.D.		

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707314.D Vial: 14
Acq On : 7 Jul 2005 11:48 am Operator: RNP
Sample : G161-2047-14a Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 12:13 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

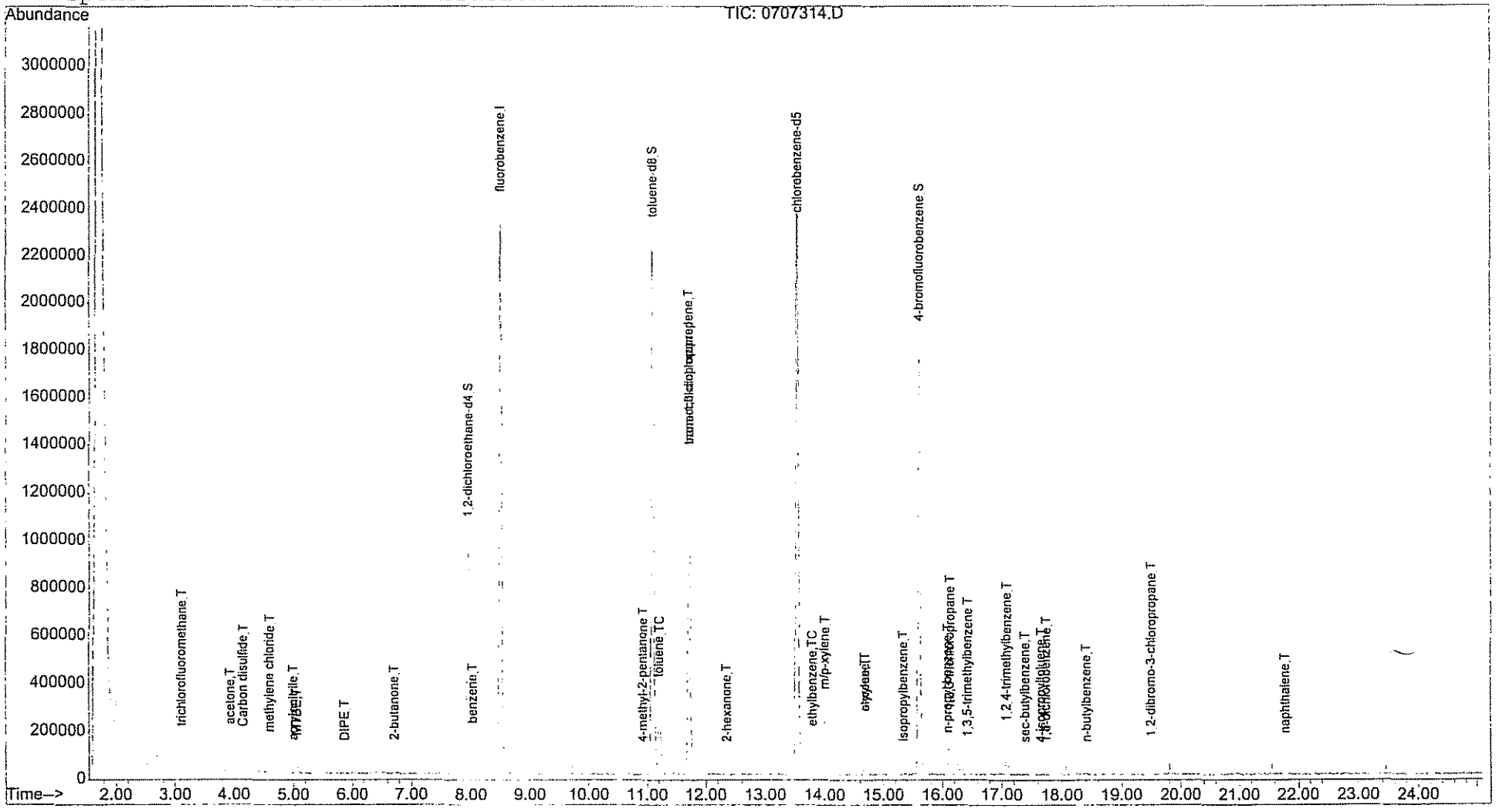
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
77) MTBE	5.07	73	31667	0.59 ppb	#	90
78) DIPE	5.87	45	2829	0.03 ppb	#	34

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

Data File : G:\1\DATA\3070705\0707314.D
Acq On : 7 Jul 2005 11:48 am
Sample : G161-2047-14a
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 12:13 2005

Vial: 14
Operator: RNP
Inst : MSD3
Multiplr: 1.00
Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707322.D
Acq On : 7 Jul 2005 3:57 pm
Sample : G161-2047-14ms
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 16:22 2005

Vial: 22
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	8.50	96	3071942	50.00	ppb		-0.01
39) bromochloropropane	11.72	79	398532	50.00	ppb		-0.02
53) chlorobenzene-d5	13.54	117	2342569	50.00	ppb		-0.01
System Monitoring Compounds							
23) 1,2-dichloroethane-d4	7.96	65	937630	49.36	ppb		0.00
Spiked Amount 50.000			Recovery	=	98.72%		
33) toluene-d8	11.09	98	2292035	51.32	ppb		-0.01
Spiked Amount 50.000			Recovery	=	102.64%		
49) 4-bromofluorobenzene	15.61	95	1222021	51.25	ppb		-0.01
Spiked Amount 50.000			Recovery	=	102.50%		
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.89	85	1431838	85.62	ppb	#	87
3) chloromethane	2.11	50	1900228	80.88	ppb	#	87
4) vinyl chloride	2.24	62	2108409	84.76	ppb	#	89
5) bromomethane	2.60	94	465073	80.41	ppb		93
6) chloroethane	2.71	64	345831	42.13	ppb	#	82
7) trichlorofluoromethane	0.00	101	0	N.D.			
8) acrolein	3.69	56	230680	113.30	ppb	#	54
9) 1,1-dichloroethene	3.79	96	1417161	88.76	ppb		88
10) acetone	3.97	43	1136437	145.90	ppb		94
11) methylene chloride	4.58	84	1513003	81.52	ppb		94
12) trans-1,2-dichloroethene	5.02	96	1534078	75.11	ppb		96
13) acrylonitrile	5.01	53	7424173	1220.92	ppb		91
14) 1,1-dichloroethane	5.70	63	3053971	79.74	ppb		93
15) 2,2-dichloropropane	6.63	77	2186724	75.98	ppb		96
16) cis-1,2-dichloroethene	6.65	96	1554792	77.43	ppb		84
17) 2-butanone	6.72	43	2331269	121.45	ppb	#	100
18) bromochloromethane	7.02	128	569494	81.13	ppb		83
19) chloroform	7.17	83	2557156	78.56	ppb		91
20) 1,1,1-trichloroethane	7.44	97	2498423	83.46	ppb		90
21) carbon tetrachloride	7.70	117	2165115	83.40	ppb		98
22) 1,1-dichloropropene	7.70	75	2226081	75.85	ppb	#	95
24) benzene	8.04	78	6339995	72.56	ppb		99
25) 1,2-dichloroethane	8.08	62	1769456	78.11	ppb		100
26) trichloroethene	9.09	95	1433249	67.46	ppb	#	86
27) 1,2-dichloropropane	9.45	63	1542893	72.80	ppb	#	100
28) dibromomethane	9.65	93	744177	85.86	ppb	#	99
29) bromodichloromethane	9.92	83	1643217	75.25	ppb	#	81
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.66	75	1592846	59.29	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707322.D
Acq On : 7 Jul 2005 3:57 pm
Sample : G161-2047-14ms
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 16:22 2005

Vial: 22
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	4801301	98.39	ppb	#	96
34)	toluene	11.20	92	3521038	68.29	ppb		98
35)	Iodomethane	4.02	142	1036347	71.13	ppb		91
36)	trans-1,3-dichloropropene	11.60	75	1303115	57.22	ppb		99
37)	Vinyl acetate	5.83	86	443827	124.55	ppb	#	1
38)	Carbon disulfide	4.11	76	4736899	77.67	ppb	#	94
40)	1,1,2-trichloroethane	11.89	83	952793	82.63	ppb	#	76
41)	tetrachloroethene	12.12	166	1130516	60.59	ppb		88
42)	1,3-dichloropropane	12.17	76	1990572	77.50	ppb	#	83
43)	2-hexanone	12.35	43	3250367	93.61	ppb	#	94
44)	dibromochloromethane	12.55	129	1024984	77.25	ppb		91
45)	1,2-dibromoethane	12.73	107	1104459	80.95	ppb	#	77
46)	chlorobenzene	13.59	112	3073075	57.62	ppb		99
47)	1,1,1,2-tetrachloroethane	13.74	131	951657	66.68	ppb		97
48)	bromoform	15.03	173	719362	84.31	ppb	#	100
50)	bromobenzene	15.87	156	986662	56.53	ppb		92
51)	1,1,2,2-tetrachloroethane	15.91	83	1675678	94.22	ppb	#	60
52)	1,2,3-trichloropropane	16.08	75	36173	2.91	ppb	#	1
54)	ethylbenzene	13.80	91	5647985	57.19	ppb		99
55)	m/p-xylene	14.00	106	4133787	111.15	ppb		96
56)	styrene	14.72	104	1926460	38.16	ppb		100
57)	o-xylene	14.69	106	2008189	59.27	ppb		98
58)	isopropylbenzene	15.35	105	5164401	55.23	ppb		99
59)	n-propyl benzene	16.09	91	5911102	50.74	ppb		95
60)	2-chlorotoluene	16.22	126	930301	50.07	ppb		99
61)	4-chlorotoluene	16.42	126	877379	46.70	ppb		95
62)	1,3,5-trimethylbenzene	16.42	105	3841448	49.84	ppb		97
63)	tert-butylbenzene	16.99	119	3403106	53.36	ppb		97
64)	1,2,4-trimethylbenzene	17.09	105	3697720	48.33	ppb		92
65)	sec-butylbenzene	17.39	105	5171800	49.31	ppb		99
66)	1,3-dichlorobenzene	17.56	146	1588394	45.41	ppb		94
67)	4-isopropyltoluene	17.67	119	3711009	44.74	ppb		93
68)	1,4-dichlorobenzene	17.73	146	1555221	44.47	ppb		95
69)	1,2-dichlorobenzene	18.39	146	1513147	49.99	ppb		91
70)	n-butylbenzene	18.41	91	3424876	39.83	ppb		97
71)	1,2-dibromo-3-chloropropan	19.81	75	1892170	100.60	ppb	#	53
72)	1,2,4-trichlorobenzene	21.34	180	739573	36.85	ppb	#	81
73)	hexachlorobutadiene	21.67	225	273285	30.57	ppb		97
74)	naphthalene	21.77	128	2938147	60.74	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	661734	44.76	ppb	#	65
76)	1,2,3-trichlorobenzene	22.22	180	745743	41.78	ppb		93

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707322.D Vial: 22
Acq On : 7 Jul 2005 3:57 pm Operator: RNP
Sample : G161-2047-14ms Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 16:22 2005 Quant Results File: 8260SSC.RES

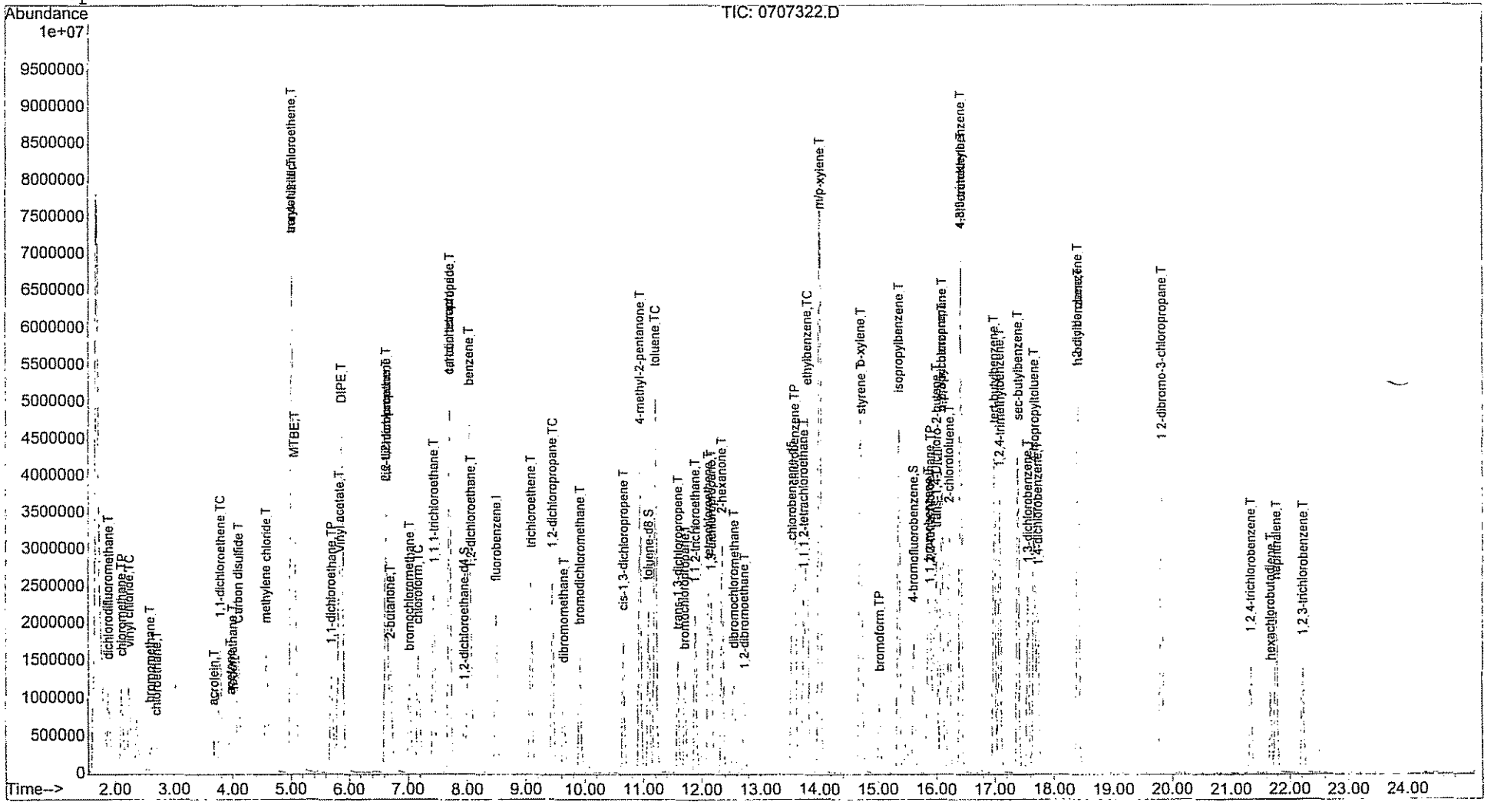
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.07	73	4245190	84.57 ppb	98
78) DIPE	5.88	45	6615747	74.75 ppb	91

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

Data File : G:\1\DATA\3070705\0707322.D Vial: 22
Acq On : 7 Jul 2005 3:57 pm Operator: RNP
Sample : G161-2047-14ms Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 16:22 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707323.D Vial: 23
Acq On : 7 Jul 2005 4:28 pm Operator: RNP
Sample : G161-2047-14msd Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 16:53 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	3087109	50.00	ppb	-0.02
39) bromochloropropane	11.72	79	399095	50.00	ppb	-0.02
53) chlorobenzene-d5	13.53	117	2347618	50.00	ppb	-0.02
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.95	65	955651	50.06	ppb	0.00
Spiked Amount 50.000			Recovery	=	100.12%	
33) toluene-d8	11.10	98	2274734	50.69	ppb	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
49) 4-bromofluorobenzene	15.61	95	1183188	49.55	ppb	0.00
Spiked Amount 50.000			Recovery	=	99.10%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.89	85	1382075	82.24	ppb	#	83
3) chloromethane	2.11	50	1527289	64.68	ppb	#	85
4) vinyl chloride	2.24	62	1573250	62.94	ppb	#	89
5) bromomethane	2.60	94	312007	52.21	ppb		99
6) chloroethane	2.71	64	272752	20.75	ppb	#	84
7) trichlorofluoromethane	3.04	101	1396878	54.56	ppb		97
8) acrolein	3.70	56	217239	74.66	ppb	#	58
9) 1,1-dichloroethene	3.80	96	726567	45.28	ppb		97
10) acetone	3.96	43	1129553	144.19	ppb		95
11) methylene chloride	4.58	84	879284	47.14	ppb		92
12) trans-1,2-dichloroethene	5.03	96	470837	22.94	ppb		97
13) acrylonitrile	5.01	53	7199112	1178.09	ppb		92
14) 1,1-dichloroethane	5.71	63	1536393	39.92	ppb	#	95
15) 2,2-dichloropropane	6.63	77	906891	31.36	ppb		95
16) cis-1,2-dichloroethene	6.64	96	565896	28.04	ppb		91
17) 2-butanone	6.71	43	2255779	116.94	ppb	#	100
18) bromochloromethane	7.03	128	277311	39.31	ppb		82
19) chloroform	7.18	83	1024289	31.32	ppb		93
20) 1,1,1-trichloroethane	7.44	97	900410	29.93	ppb		90
21) carbon tetrachloride	7.71	117	567793	21.76	ppb		97
22) 1,1-dichloropropene	7.71	75	370441	12.56	ppb	#	92
24) benzene	8.04	78	1558617	17.75	ppb		97
25) 1,2-dichloroethane	8.08	62	875678	38.47	ppb		99
26) trichloroethene	9.10	95	178598	8.36	ppb		87
27) 1,2-dichloropropane	9.45	63	514969	24.18	ppb	#	100
28) dibromomethane	9.64	93	317579	36.46	ppb	#	100
29) bromodichloromethane	9.92	83	516182	23.52	ppb	#	80
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.66	75	325554	12.06	ppb		95

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707323.D
Acq On : 7 Jul 2005 4:28 pm
Sample : G161-2047-14msd
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 16:53 2005

Vial: 23
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	3941565	80.38	ppb	#	96
34)	toluene	11.21	92	322786	6.23	ppb		99
35)	Iodomethane	4.02	142	615389	42.03	ppb		88
36)	trans-1,3-dichloropropene	11.59	75	269712	11.79	ppb		99
37)	Vinyl acetate	5.83	86	347742	97.11	ppb	#	1
38)	Carbon disulfide	4.12	76	1455164	23.74	ppb	#	96
40)	1,1,2-trichloroethane	11.90	83	345427	29.91	ppb	#	70
41)	tetrachloroethene	12.12	166	57629	3.08	ppb	#	83
42)	1,3-dichloropropane	12.17	76	626480	24.36	ppb	#	85
43)	2-hexanone	12.35	43	2602550	74.85	ppb	#	95
44)	dibromochloromethane	12.56	129	279375	21.03	ppb		88
45)	1,2-dibromoethane	12.73	107	326944	23.93	ppb	#	79
46)	chlorobenzene	13.58	112	220749	4.13	ppb		97
47)	1,1,1,2-tetrachloroethane	13.74	131	127791	8.94	ppb		95
48)	bromoform	15.02	173	190635	23.32	ppb	#	100
50)	bromobenzene	15.86	156	68858	3.94	ppb	#	78
51)	1,1,2,2-tetrachloroethane	15.90	83	562235	31.57	ppb	#	63
52)	1,2,3-trichloropropane	15.96	75	854906	22.61	ppb	#	12
54)	ethylbenzene	13.79	91	278326	2.81	ppb		99
55)	m/p-xylene	14.01	106	187561	5.03	ppb		96
56)	styrene	14.72	104	31466	0.62	ppb		100
57)	o-xylene	14.70	106	102515	3.02	ppb		92
58)	isopropylbenzene	15.36	105	202082	2.16	ppb		96
59)	n-propyl benzene	16.10	91	215587	1.85	ppb		100
60)	2-chlorotoluene	16.23	126	43261	2.32	ppb		91
61)	4-chlorotoluene	16.43	126	39128	2.08	ppb		98
62)	1,3,5-trimethylbenzene	16.42	105	152790	1.98	ppb		98
63)	tert-butylbenzene	16.99	119	132825	2.08	ppb		99
64)	1,2,4-trimethylbenzene	17.08	105	170285	2.22	ppb		96
65)	sec-butylbenzene	17.40	105	199880	1.90	ppb		98
66)	1,3-dichlorobenzene	17.57	146	88175	2.52	ppb		97
67)	4-isopropyltoluene	17.66	119	143005	1.72	ppb		93
68)	1,4-dichlorobenzene	17.73	146	89580	2.56	ppb		96
69)	1,2-dichlorobenzene	18.39	146	100245	3.30	ppb		89
70)	n-butylbenzene	18.41	91	150028	1.74	ppb		95
71)	1,2-dibromo-3-chloropropan	19.81	75	810216	42.98	ppb	#	50
72)	1,2,4-trichlorobenzene	21.34	180	69491	3.46	ppb	#	75
73)	hexachlorobutadiene	21.68	225	17999	2.01	ppb	#	45
74)	naphthalene	21.77	128	470699	9.71	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.01	89	192599	13.00	ppb	#	80
76)	1,2,3-trichlorobenzene	22.23	180	81500	4.56	ppb		85

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707323.D Vial: 23
Acq On : 7 Jul 2005 4:28 pm Operator: RNP
Sample : G161-2047-14msd Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 16:53 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.08	73	3711759	73.79 ppb	97
78) DIPE	5.87	45	4438311	50.04 ppb	95

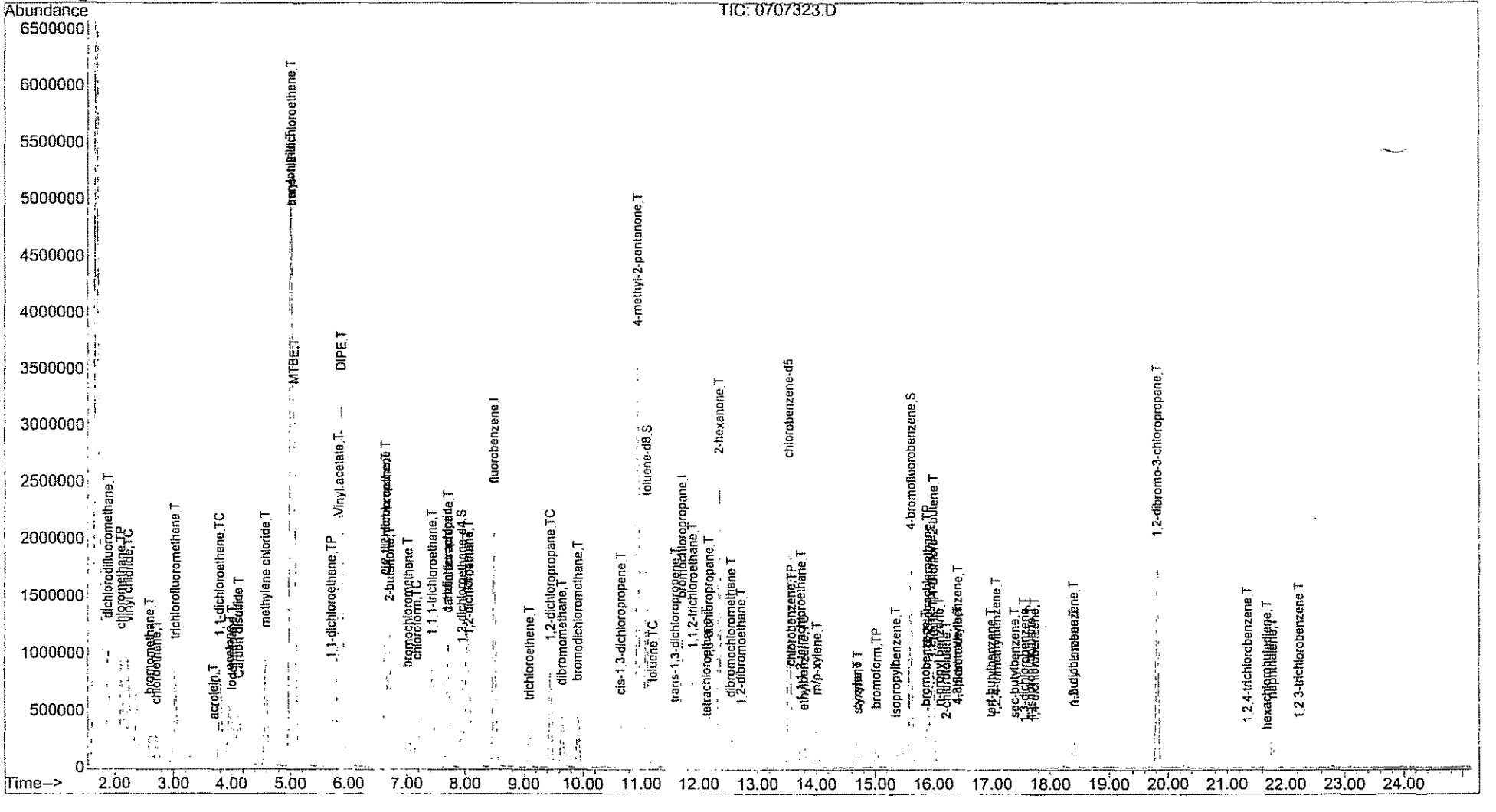
(#) = qualifier out of range (m) = manual integration

Data File : G:\1\DATA\3070705\0707323.D
Acq On : 7 Jul 2005 4:28 pm
Sample : G161-2047-14msd
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 16:53 2005

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

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707328.D
Acq On : 7 Jul 2005 7:04 pm
Sample : LCS3070705c
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 19:29 2005

Vial: 28
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	2805025	50.00	ppb	-0.02
39) bromochloropropane	11.72	79	355472	50.00	ppb	-0.02
53) chlorobenzene-d5	13.54	117	2137892	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.95	65	848425	48.91	ppb	0.00
Spiked Amount 50.000			Recovery = 97.82%			
33) toluene-d8	11.10	98	2063579	50.60	ppb	0.00
Spiked Amount 50.000			Recovery = 101.20%			
49) 4-bromofluorobenzene	15.61	95	1081826	50.86	ppb	0.00
Spiked Amount 50.000			Recovery = 101.72%			

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.89	85	1530841	100.25	ppb	#	84
3) chloromethane	2.11	50	2103774	98.06	ppb	#	84
4) vinyl chloride	2.24	62	2419729	106.53	ppb	#	88
5) bromomethane	2.60	94	525859	100.63	ppb		98
6) chloroethane	2.71	64	415670	73.57	ppb	#	88
7) trichlorofluoromethane	3.04	101	2222216	95.53	ppb		98
8) acrolein	3.70	56	1030233	2503.82	ppb	#	59
9) 1,1-dichloroethene	3.79	96	1630627	111.85	ppb		87
10) acetone	3.96	43	995849	139.60	ppb		95
11) methylene chloride	4.58	84	1801849	106.32	ppb		93
12) trans-1,2-dichloroethene	5.03	96	2042983	109.54	ppb		97
13) acrylonitrile	5.02	53	7105554	1279.72	ppb		92
14) 1,1-dichloroethane	5.71	63	3727984	106.60	ppb		95
15) 2,2-dichloropropane	6.63	77	2984169	113.56	ppb		95
16) cis-1,2-dichloroethene	6.65	96	1998323	108.99	ppb		88
17) 2-butanone	6.71	43	2337156	133.34	ppb	#	100
18) bromochloromethane	7.03	128	682542	106.49	ppb		83
19) chloroform	7.19	83	3182481	107.08	ppb		93
20) 1,1,1-trichloroethane	7.44	97	3042649	111.31	ppb		90
21) carbon tetrachloride	7.71	117	2709683	114.31	ppb		100
22) 1,1-dichloropropene	7.71	75	3007445	112.22	ppb		95
24) benzene	8.04	78	8401477	105.31	ppb		99
25) 1,2-dichloroethane	8.08	62	2163260	104.58	ppb		98
26) trichloroethene	9.10	95	2103629	108.43	ppb		87
27) 1,2-dichloropropane	9.45	63	1994246	103.05	ppb	#	100
28) dibromomethane	9.64	93	885605	111.90	ppb	#	98
29) bromodichloromethane	9.92	83	2100430	105.33	ppb	#	82
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.66	75	2632376	107.30	ppb		97

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707328.D
Acq On : 7 Jul 2005 7:04 pm
Sample : LCS3070705c
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 19:29 2005

Vial: 28
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	5133489	115.21	ppb	#	95
34)	toluene	11.21	92	5223029	110.95	ppb		99
35)	Iodomethane	4.02	142	1332581	100.17	ppb		90
36)	trans-1,3-dichloropropene	11.59	75	2204163	106.00	ppb		98
37)	Vinyl acetate	5.84	86	443980	136.45	ppb	#	1
38)	Carbon disulfide	4.11	76	6065909	108.92	ppb	#	95
40)	1,1,2-trichloroethane	11.90	83	1159095	112.70	ppb	#	78
41)	tetrachloroethene	12.12	166	1934241	116.23	ppb		92
42)	1,3-dichloropropane	12.17	76	2468936	107.77	ppb	#	84
43)	2-hexanone	12.35	43	3788705	122.33	ppb	#	95
44)	dibromochloromethane	12.56	129	1252302	105.82	ppb		92
45)	1,2-dibromoethane	12.73	107	1352148	111.10	ppb	#	77
46)	chlorobenzene	13.59	112	5136668	107.98	ppb		100
47)	1,1,1,2-tetrachloroethane	13.74	131	1348085	105.90	ppb		96
48)	bromoform	15.02	173	867910	113.56	ppb	#	100
50)	bromobenzene	15.86	156	1652878	106.18	ppb		95
51)	1,1,2,2-tetrachloroethane	15.90	83	1854971	116.94	ppb	#	60
52)	1,2,3-trichloropropane	16.01	75	4308143	118.43	ppb	#	9
54)	ethylbenzene	13.80	91	10193825	113.09	ppb		100
55)	m/p-xylene	14.01	106	7312457	215.45	ppb		98
56)	styrene	14.73	104	4901426	106.38	ppb		100
57)	o-xylene	14.70	106	3305614	106.90	ppb		94
58)	isopropylbenzene	15.36	105	9625528	112.79	ppb		99
59)	n-propyl benzene	16.10	91	12456609	117.16	ppb		95
60)	2-chlorotoluene	16.23	126	1800213	106.16	ppb		100
61)	4-chlorotoluene	16.42	126	1810298	105.59	ppb		96
62)	1,3,5-trimethylbenzene	16.42	105	7703483	109.53	ppb		96
63)	tert-butylbenzene	16.99	119	6585971	113.16	ppb		98
64)	1,2,4-trimethylbenzene	17.08	105	7610630	109.00	ppb		95
65)	sec-butylbenzene	17.40	105	11117282	116.13	ppb		99
66)	1,3-dichlorobenzene	17.57	146	3353940	105.06	ppb		97
67)	4-isopropyltoluene	17.67	119	8579071	113.33	ppb		93
68)	1,4-dichlorobenzene	17.73	146	3319841	104.02	ppb		94
69)	1,2-dichlorobenzene	18.39	146	2890827	104.64	ppb		92
70)	n-butylbenzene	18.41	91	8915025	113.61	ppb		100
71)	1,2-dibromo-3-chloropropan	19.81	75	2090926	121.81	ppb	#	49
72)	1,2,4-trichlorobenzene	21.34	180	2058567	112.40	ppb	#	80
73)	hexachlorobutadiene	21.68	225	1013197	124.19	ppb		96
74)	naphthalene	21.78	128	4953371	112.20	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.01	89	1557536	115.43	ppb	#	76
76)	1,2,3-trichlorobenzene	22.22	180	1829451	112.31	ppb		93

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707328.D
Acq On : 7 Jul 2005 7:04 pm
Sample : LCS3070705c
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 19:29 2005

Vial: 28
Operator: RNP
Inst : MSD3
Multiplr: 1.00

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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.08	73	4751490	103.72 ppb	97
78) DIPE	5.87	45	8016092	99.24 ppb	93

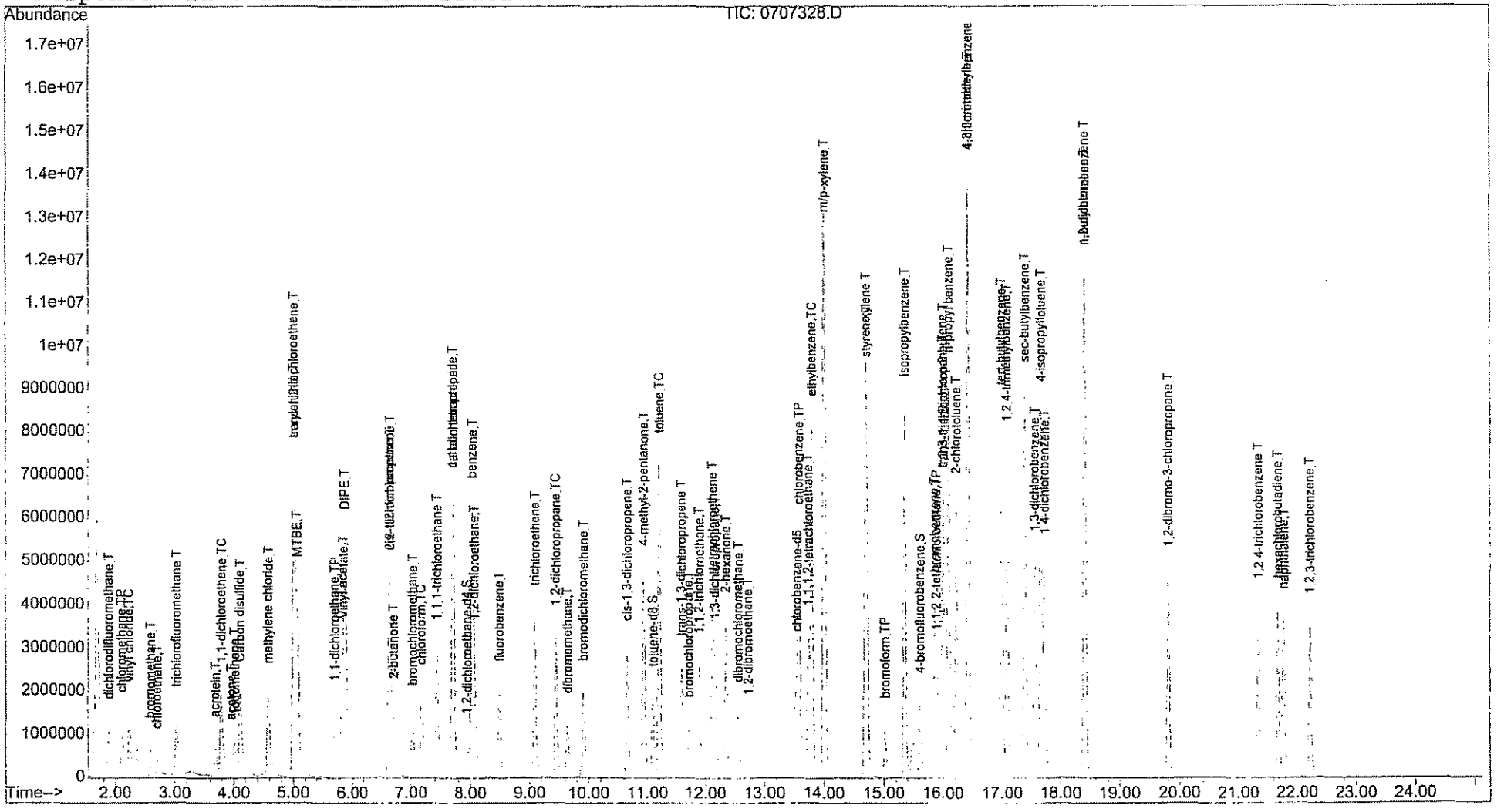
(#) = qualifier out of range (m) = manual integration

Data File : G:\1\DATA\3070705\0707328.D
Acq On : 7 Jul 2005 7:04 pm
Sample : LCS3070705c
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 19:29 2005

Vial: 28
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707329.D
Acq On : 7 Jul 2005 7:34 pm
Sample : LCS3070705d
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 20:00 2005

Vial: 29
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	2828459	50.00	ppb	-0.01
39) bromochloropropane	11.73	79	352858	50.00	ppb	-0.01
53) chlorobenzene-d5	13.54	117	2127566	50.00	ppb	-0.01
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.96	65	819841	46.87	ppb	0.00
Spiked Amount 50.000			Recovery = 93.74%			
33) toluene-d8	11.09	98	2069679	50.33	ppb	-0.01
Spiked Amount 50.000			Recovery = 100.66%			
49) 4-bromofluorobenzene	15.61	95	1100448	52.12	ppb	-0.01
Spiked Amount 50.000			Recovery = 104.24%			

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.89	85	1567715	101.82	ppb	#	85
3) chloromethane	2.11	50	2127649	98.35	ppb	#	85
4) vinyl chloride	2.24	62	2311648	100.93	ppb	#	88
5) bromomethane	2.61	94	534340	101.44	ppb		92
6) chloroethane	2.72	64	422164	74.52	ppb	#	85
7) trichlorofluoromethane	3.04	101	1776915	75.76	ppb		96
8) acrolein	3.69	56	1016202	2438.33	ppb	#	58
9) 1,1-dichloroethene	3.80	96	1638741	111.48	ppb		90
10) acetone	3.96	43	1032994	143.91	ppb		95
11) methylene chloride	4.59	84	1905836	111.52	ppb		96
12) trans-1,2-dichloroethene	5.02	96	2123064	112.89	ppb		97
13) acrylonitrile	5.01	53	7421956	1325.63	ppb		91
14) 1,1-dichloroethane	5.71	63	3819253	108.31	ppb		91
15) 2,2-dichloropropane	6.64	77	2844090	107.33	ppb		95
16) cis-1,2-dichloroethene	6.65	96	2093365	113.23	ppb		86
17) 2-butanone	6.71	43	2471337	139.83	ppb	#	100
18) bromochloromethane	7.03	128	751949	116.35	ppb		88
19) chloroform	7.18	83	3320990	110.82	ppb		90
20) 1,1,1-trichloroethane	7.44	97	3108844	112.79	ppb		91
21) carbon tetrachloride	7.70	117	2749377	115.02	ppb		95
22) 1,1-dichloropropene	7.71	75	3054028	113.02	ppb	#	94
24) benzene	8.04	78	8768808	109.00	ppb		99
25) 1,2-dichloroethane	8.08	62	2293227	109.94	ppb		98
26) trichloroethene	9.09	95	2204732	112.70	ppb		90
27) 1,2-dichloropropane	9.45	63	2140233	109.67	ppb	#	100
28) dibromomethane	9.65	93	956093	119.80	ppb	#	99
29) bromodichloromethane	9.92	83	2268667	112.83	ppb	#	81
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.66	75	2803235	113.32	ppb		97

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707329.D
Acq On : 7 Jul 2005 7:34 pm
Sample : LCS3070705d
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 20:00 2005

Vial: 29
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.94	43	5631555	125.34	ppb	#	96
34)	toluene	11.20	92	5453334	114.88	ppb		100
35)	Iodomethane	4.03	142	1199994	89.46	ppb		88
36)	trans-1,3-dichloropropene	11.60	75	2399218	114.42	ppb		99
37)	Vinyl acetate	5.83	86	482040	146.92	ppb	#	1
38)	Carbon disulfide	4.12	76	6211676	110.62	ppb	#	95
40)	1,1,2-trichloroethane	11.89	83	1259870	123.40	ppb	#	77
41)	tetrachloroethene	12.12	166	1989554	120.44	ppb		89
42)	1,3-dichloropropane	12.17	76	2690210	118.30	ppb	#	85
43)	2-hexanone	12.35	43	4056735	131.96	ppb	#	95
44)	dibromochloromethane	12.55	129	1396118	118.85	ppb		92
45)	1,2-dibromoethane	12.73	107	1504244	124.52	ppb	#	79
46)	chlorobenzene	13.59	112	5441188	115.23	ppb		99
47)	1,1,1,2-tetrachloroethane	13.74	131	1436477	113.68	ppb		96
48)	bromoform	15.03	173	942302	124.07	ppb	#	100
50)	bromobenzene	15.87	156	1815500	117.49	ppb		92
51)	1,1,2,2-tetrachloroethane	15.90	83	1982858	125.92	ppb	#	65
52)	1,2,3-trichloropropane	16.00	75	4705977	130.12	ppb	#	9
54)	ethylbenzene	13.80	91	10706804	119.36	ppb		100
55)	m/p-xylene	14.00	106	7616998	225.51	ppb		97
56)	styrene	14.72	104	5208389	113.59	ppb		100
57)	o-xylene	14.69	106	3508934	114.03	ppb		96
58)	isopropylbenzene	15.35	105	9998963	117.74	ppb		99
59)	n-propyl benzene	16.09	91	13001758	122.88	ppb		95
60)	2-chlorotoluene	16.22	126	1880666	111.44	ppb		98
61)	4-chlorotoluene	16.43	126	1895228	111.08	ppb		98
62)	1,3,5-trimethylbenzene	16.42	105	8002126	114.32	ppb		96
63)	tert-butylbenzene	17.00	119	6734978	116.28	ppb		94
64)	1,2,4-trimethylbenzene	17.09	105	7905279	113.77	ppb		95
65)	sec-butylbenzene	17.39	105	11412006	119.79	ppb		98
66)	1,3-dichlorobenzene	17.57	146	3561309	112.10	ppb		95
67)	4-isopropyltoluene	17.67	119	8849813	117.48	ppb		93
68)	1,4-dichlorobenzene	17.73	146	3523698	110.95	ppb		93
69)	1,2-dichlorobenzene	18.39	146	3098753	112.71	ppb		94
70)	n-butylbenzene	18.41	91	9112863	116.69	ppb		100
71)	1,2-dibromo-3-chloropropan	19.82	75	2224162	130.20	ppb	#	44
72)	1,2,4-trichlorobenzene	21.34	180	2156017	118.29	ppb		84
73)	hexachlorobutadiene	21.68	225	997411	122.85	ppb		96
74)	naphthalene	21.77	128	5153136	117.29	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	1675028	124.74	ppb	#	75
76)	1,2,3-trichlorobenzene	22.22	180	1931336	119.14	ppb		89

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707329.D
Acq On : 7 Jul 2005 7:34 pm
Sample : LCS3070705d
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 20:00 2005

Vial: 29
Operator: RNP
Inst : MSD3
Multiplr: 1.00
Quant Results File: 8260SSC.RES

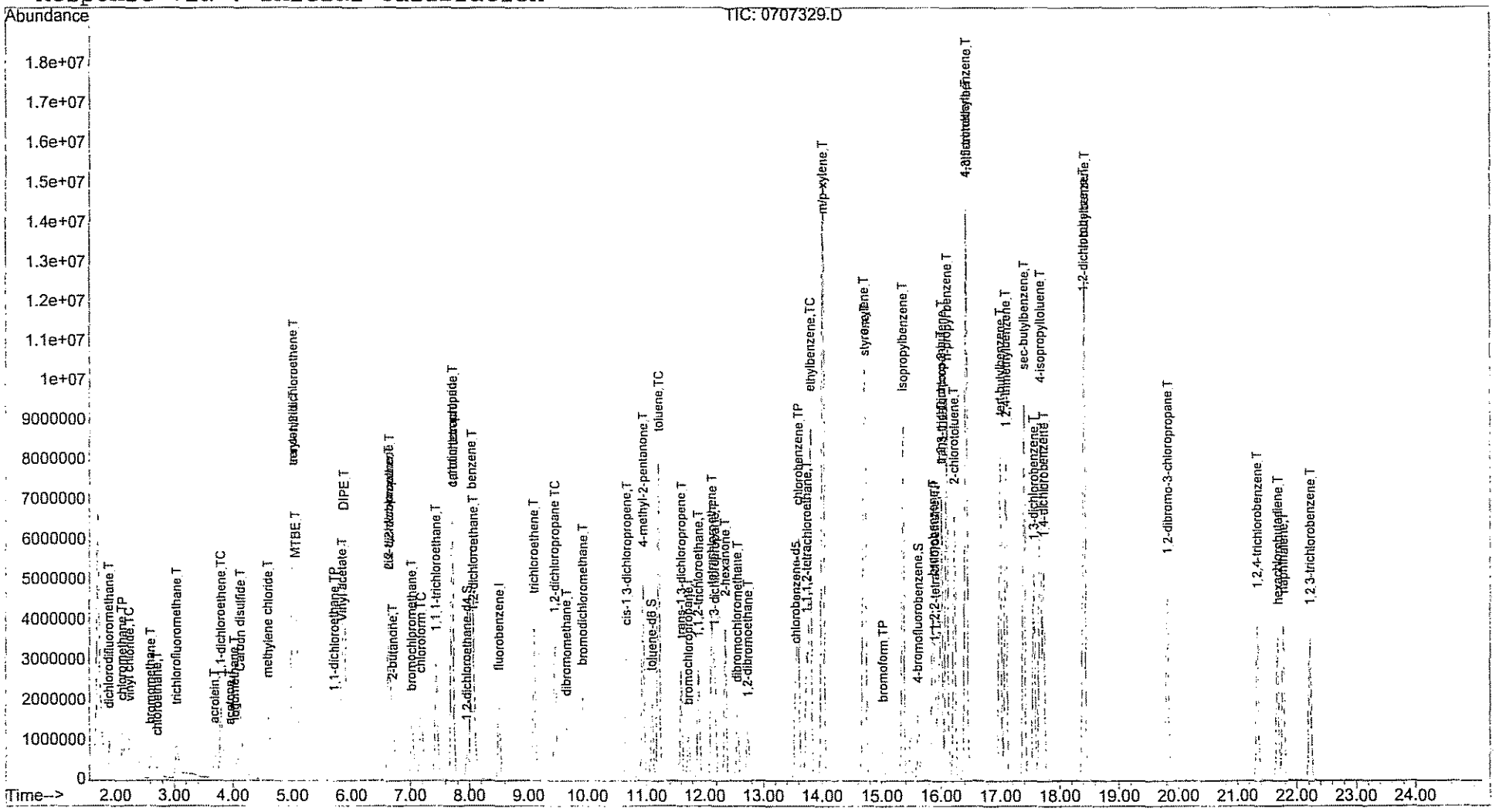
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.07	73	5185860	113.75 ppb	97
78) DIPE	5.87	45	8535457	106.18 ppb	95

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

Data File : G:\1\DATA\3070705\0707329.D Vial: 29
Acq On : 7 Jul 2005 7:34 pm Operator: RNP
Sample : LCS3070705d Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 20:00 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707331.D
Acq On : 7 Jul 2005 8:37 pm
Sample : VBLK3070705d
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 21:02 2005

Vial: 31
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.51	96	2938483	50.00	ppb	0.00
39) bromochloropropane	11.72	79	375283	50.00	ppb	-0.01
53) chlorobenzene-d5	13.55	117	2205044	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.97	65	964020	53.05	ppb	0.00
Spiked Amount 50.000			Recovery	=	106.10%	
33) toluene-d8	11.10	98	2139286	50.08	ppb	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
49) 4-bromofluorobenzene	15.62	95	1100223	49.00	ppb	0.00
Spiked Amount 50.000			Recovery	=	98.00%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	0.00	85	0	N.D.			
3) chloromethane	2.10	50	614	0.03	ppb	#	41
4) vinyl chloride	0.00	62	0	N.D.			
5) bromomethane	2.64	94	3207	Below Cal		#	2
6) chloroethane	2.74	64	1228	Below Cal		#	50
7) trichlorofluoromethane	0.00	101	0	N.D.			
8) acrolein	3.71	56	2989	Below Cal			97
9) 1,1-dichloroethene	0.00	96	0	N.D.			
10) acetone	3.95	43	68816	Below Cal			94
11) methylene chloride	4.60	84	7490	0.42	ppb	#	83
12) trans-1,2-dichloroethene	0.00	96	0	N.D.			
13) acrylonitrile	5.04	53	7755	1.33	ppb	#	73
14) 1,1-dichloroethane	0.00	63	0	N.D.			
15) 2,2-dichloropropane	0.00	77	0	N.D.			
16) cis-1,2-dichloroethene	0.00	96	0	N.D.			
17) 2-butanone	6.72	43	3045	0.17	ppb	#	100
18) bromochloromethane	0.00	128	0	N.D.			
19) chloroform	7.19	83	669	0.02	ppb	#	22
20) 1,1,1-trichloroethane	0.00	97	0	N.D.			
21) carbon tetrachloride	0.00	117	0	N.D.			
22) 1,1-dichloropropene	0.00	75	0	N.D.			
24) benzene	8.04	78	19672	0.24	ppb	#	88
25) 1,2-dichloroethane	0.00	62	0	N.D.			
26) trichloroethene	0.00	95	0	N.D.			
27) 1,2-dichloropropane	0.00	63	0	N.D.			
28) dibromomethane	0.00	93	0	N.D.			
29) bromodichloromethane	0.00	83	0	N.D.			
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	0.00	75	0	N.D.			

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707331.D
Acq On : 7 Jul 2005 8:37 pm
Sample : VBLK3070705d
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 21:02 2005

Vial: 31
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32)	4-methyl-2-pentanone	10.93	43	608	0.01 ppb	#	38
34)	toluene	11.22	92	5691	0.12 ppb	#	42
35)	Iodomethane	0.00	142	0	N.D.		
36)	trans-1,3-dichloropropene	11.73	75	17573	0.81 ppb	#	50
37)	Vinyl acetate	0.00	86	0	N.D.		
38)	Carbon disulfide	4.16	76	1535	0.03 ppb	#	76
40)	1,1,2-trichloroethane	0.00	83	0	N.D.		
41)	tetrachloroethene	0.00	166	0	N.D.		
42)	1,3-dichloropropane	12.18	76	1628	0.07 ppb	#	34
43)	2-hexanone	12.36	43	2038	0.06 ppb	#	26
44)	dibromochloromethane	0.00	129	0	N.D.		
45)	1,2-dibromoethane	0.00	107	0	N.D.		
46)	chlorobenzene	13.60	112	4427	0.09 ppb	#	29
47)	1,1,1,2-tetrachloroethane	0.00	131	0	N.D.		
48)	bromoform	0.00	173	0	N.D.		
50)	bromobenzene	15.87	156	606	0.04 ppb	#	1
51)	1,1,2,2-tetrachloroethane	0.00	83	0	N.D.		
52)	1,2,3-trichloropropane	16.03	75	4845	2.16 ppb	#	1
54)	ethylbenzene	13.80	91	4032	0.04 ppb	#	45
55)	m/p-xylene	14.02	106	2108	0.06 ppb	#	9
56)	styrene	14.76	104	4612	0.10 ppb		100
57)	o-xylene	0.00	106	0	N.D.		
58)	isopropylbenzene	15.37	105	2656	0.03 ppb	#	50
59)	n-propyl benzene	16.10	91	8072	0.07 ppb	#	53
60)	2-chlorotoluene	0.00	126	0	N.D.		
61)	4-chlorotoluene	0.00	126	0	N.D.		
62)	1,3,5-trimethylbenzene	16.42	105	796	0.01 ppb	#	38
63)	tert-butylbenzene	0.00	119	0	N.D.		
64)	1,2,4-trimethylbenzene	17.08	105	5158	0.07 ppb	#	69
65)	sec-butylbenzene	17.39	105	3714	0.04 ppb	#	62
66)	1,3-dichlorobenzene	17.57	146	6243	0.19 ppb	#	60
67)	4-isopropyltoluene	17.68	119	5319	0.07 ppb	#	48
68)	1,4-dichlorobenzene	17.74	146	5609	0.17 ppb	#	60
69)	1,2-dichlorobenzene	18.40	146	2343	0.08 ppb	#	26
70)	n-butylbenzene	18.41	91	8175	0.10 ppb	#	57
71)	1,2-dibromo-3-chloropropan	19.81	75	1278	0.07 ppb	#	51
72)	1,2,4-trichlorobenzene	21.34	180	7755	0.41 ppb		90
73)	hexachlorobutadiene	0.00	225	0	N.D.		
74)	naphthalene	21.79	128	35500	0.78 ppb		100
75)	trans-1,4-Dichloro-2-buten	0.00	89	0	N.D.		
76)	1,2,3-trichlorobenzene	22.24	180	2110	0.13 ppb	#	48

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707331.D Vial: 31
Acq On : 7 Jul 2005 8:37 pm Operator: RNP
Sample : VBLK3070705d Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 21:02 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

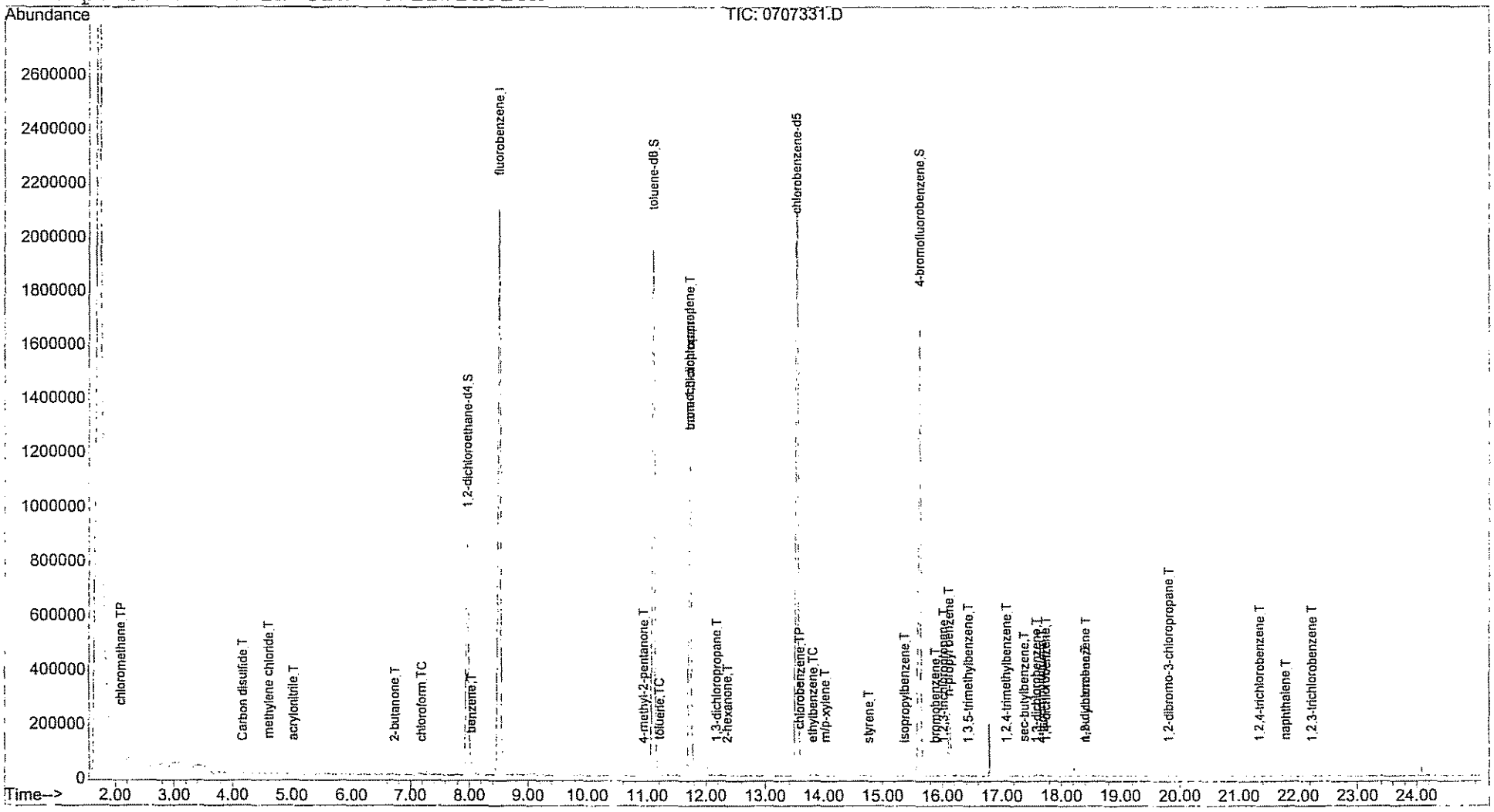
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	0.00	73	0	N.D.	
78) DIPE	0.00	45	0	N.D.	

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

Data File : G:\1\DATA\3070705\0707331.D
Acq On : 7 Jul 2005 8:37 pm
Sample : VBLK3070705d
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 21:02 2005

Vial: 31
Operator: RNP
Inst : MSD3
Multiplr: 1.00
Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707336.D
Acq On : 7 Jul 2005 11:14 pm
Sample : G510-233-4c
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 23:39 2005

Vial: 36
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) fluorobenzene	8.51	96	2862103	50.00 ppb	0.00
39) bromochloropropane	11.72	79	367472	50.00 ppb	-0.02
53) chlorobenzene-d5	13.53	117	2204268	50.00 ppb	-0.02
System Monitoring Compounds					
23) 1,2-dichloroethane-d4	7.96	65	829031	46.84 ppb	0.00
Spiked Amount 50.000			Recovery	= 93.68%	
33) toluene-d8	11.10	98	2116558	50.87 ppb	0.00
Spiked Amount 50.000			Recovery	= 101.74%	
49) 4-bromofluorobenzene	15.61	95	1085975	49.39 ppb	0.00
Spiked Amount 50.000			Recovery	= 98.78%	

Target Compounds					Qvalue
2) dichlorodifluoromethane	1.93	85	594	0.04 ppb #	51
3) chloromethane	0.00	50	0	N.D.	
4) vinyl chloride	0.00	62	0	N.D.	
5) bromomethane	2.63	94	3208	Below Cal #	2
6) chloroethane	0.00	64	0	N.D.	
7) trichlorofluoromethane	3.11	101	3401	0.14 ppb	83
8) acrolein	3.70	56	1642	Below Cal #	6
9) 1,1-dichloroethene	0.00	96	0	N.D.	
10) acetone	3.95	43	113678	6.32 ppb	99
11) methylene chloride	4.60	84	152449	8.82 ppb	90
12) trans-1,2-dichloroethene	0.00	96	0	N.D.	
13) acrylonitrile	5.01	53	1221	0.22 ppb #	50
14) 1,1-dichloroethane	0.00	63	0	N.D.	
15) 2,2-dichloropropane	0.00	77	0	N.D.	
16) cis-1,2-dichloroethene	0.00	96	0	N.D.	
17) 2-butanone	6.71	43	24869	1.39 ppb #	100
18) bromochloromethane	0.00	128	0	N.D.	
19) chloroform	0.00	83	0	N.D.	
20) 1,1,1-trichloroethane	0.00	97	0	N.D.	
21) carbon tetrachloride	0.00	117	0	N.D.	
22) 1,1-dichloropropene	0.00	75	0	N.D.	
24) benzene	8.05	78	30848	0.38 ppb	98
25) 1,2-dichloroethane	0.00	62	0	N.D.	
26) trichloroethene	0.00	95	0	N.D.	
27) 1,2-dichloropropane	0.00	63	0	N.D.	
28) dibromomethane	0.00	93	0	N.D.	
29) bromodichloromethane	0.00	83	0	N.D.	
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.	
31) cis-1,3-dichloropropene	0.00	75	0	N.D.	

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707336.D
Acq On : 7 Jul 2005 11:14 pm
Sample : G510-233-4c
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 23:39 2005

Vial: 36
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32)	4-methyl-2-pentanone	10.93	43	598	0.01 ppb	#	38
34)	toluene	11.21	92	36901	0.77 ppb		86
35)	Iodomethane	0.00	142	0	N.D.		
36)	trans-1,3-dichloropropene	11.73	75	14186	0.67 ppb	#	50
37)	Vinyl acetate	0.00	86	0	N.D.		
38)	Carbon disulfide	4.16	76	5023	0.09 ppb	#	1
40)	1,1,2-trichloroethane	0.00	83	0	N.D.		
41)	tetrachloroethene	0.00	166	0	N.D.		
42)	1,3-dichloropropane	0.00	76	0	N.D.		
43)	2-hexanone	12.34	43	2174	0.07 ppb	#	26
44)	dibromochloromethane	0.00	129	0	N.D.		
45)	1,2-dibromoethane	0.00	107	0	N.D.		
46)	chlorobenzene	0.00	112	0	N.D.		
47)	1,1,1,2-tetrachloroethane	0.00	131	0	N.D.		
48)	bromoform	0.00	173	0	N.D.		
50)	bromobenzene	0.00	156	0	N.D.		
51)	1,1,2,2-tetrachloroethane	0.00	83	0	N.D.		
52)	1,2,3-trichloropropane	16.12	75	6571	2.21 ppb	#	1
54)	ethylbenzene	13.79	91	10068	0.11 ppb	#	74
55)	m/p-xylene	14.01	106	13914	0.40 ppb		99
56)	styrene	0.00	104	0	N.D.		
57)	o-xylene	14.69	106	2524	0.08 ppb	#	14
58)	isopropylbenzene	15.34	105	846	0.01 ppb	#	50
59)	n-propyl benzene	16.09	91	9115	0.08 ppb	#	60
60)	2-chlorotoluene	16.11	126	768	0.04 ppb	#	1
61)	4-chlorotoluene	0.00	126	0	N.D.		
62)	1,3,5-trimethylbenzene	16.42	105	9502	0.13 ppb	#	73
63)	tert-butylbenzene	0.00	119	0	N.D.		
64)	1,2,4-trimethylbenzene	17.07	105	37964	0.53 ppb		89
65)	sec-butylbenzene	17.39	105	4206	0.04 ppb	#	62
66)	1,3-dichlorobenzene	17.56	146	1319	0.04 ppb	#	26
67)	4-isopropyltoluene	17.67	119	4351	0.06 ppb	#	48
68)	1,4-dichlorobenzene	17.73	146	2286	0.07 ppb	#	30
69)	1,2-dichlorobenzene	0.00	146	0	N.D.		
70)	n-butylbenzene	18.41	91	5383	0.07 ppb	#	57
71)	1,2-dibromo-3-chloropropan	19.50	75	7871	0.44 ppb	#	24
72)	1,2,4-trichlorobenzene	21.33	180	731	0.04 ppb		85
73)	hexachlorobutadiene	0.00	225	0	N.D.		
74)	naphthalene	21.77	128	53145	1.17 ppb		100
75)	trans-1,4-Dichloro-2-buten	0.00	89	0	N.D.		
76)	1,2,3-trichlorobenzene	22.22	180	615	0.04 ppb	#	5

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707336.D
Acq On : 7 Jul 2005 11:14 pm
Sample : G510-233-4c
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 23:39 2005

Vial: 36
Operator: RNP
Inst : MSD3
Multiplr: 1.00

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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.09	73	9834	0.21 ppb #	88
78) DIPE	5.89	45	620	0.01 ppb #	34

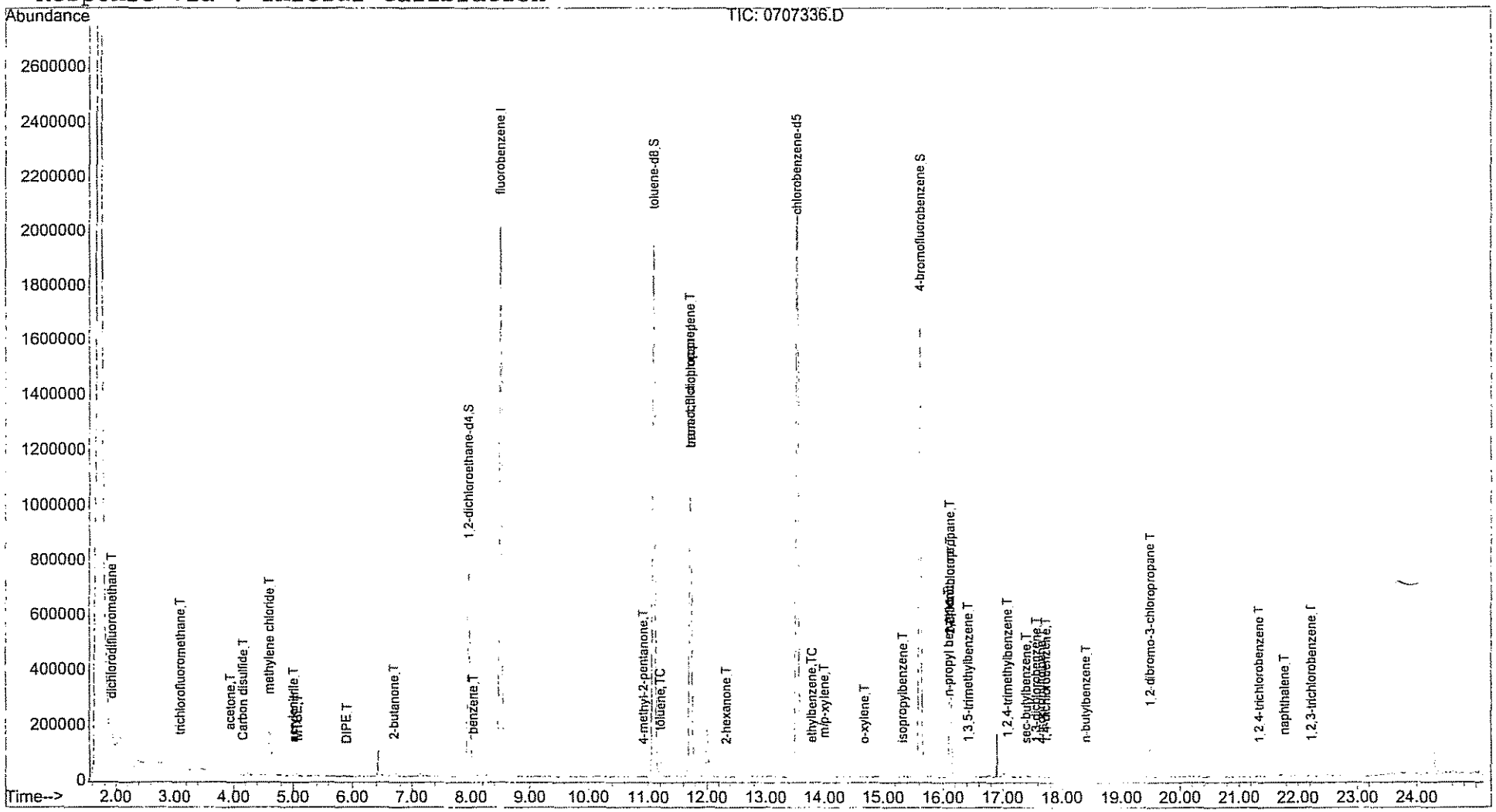
(#) = qualifier out of range (m) = manual integration

Data File : G:\1\DATA\3070705\0707336.D
Acq On : 7 Jul 2005 11:14 pm
Sample : G510-233-4c
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 7 23:39 2005

Vial: 36
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707345.D
Acq On : 8 Jul 2005 3:56 am
Sample : G510-233-4b ms
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 4:21 2005

Vial: 45
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	2852748	50.00	ppb	-0.02
39) bromochloropropane	11.72	79	370996	50.00	ppb	-0.02
53) chlorobenzene-d5	13.54	117	2213671	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.96	65	814360	46.16	ppb	0.00
Spiked Amount 50.000			Recovery	=	92.32%	
33) toluene-d8	11.10	98	2147860	51.79	ppb	0.00
Spiked Amount 50.000			Recovery	=	103.58%	
49) 4-bromofluorobenzene	15.61	95	1116998	50.32	ppb	0.00
Spiked Amount 50.000			Recovery	=	100.64%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.89	85	1285826	82.80	ppb	#	84
3) chloromethane	2.11	50	1896161	86.90	ppb	#	86
4) vinyl chloride	2.24	62	2079293	90.01	ppb	#	86
5) bromomethane	2.60	94	468492	87.60	ppb		96
6) chloroethane	2.71	64	324968	43.31	ppb	#	86
7) trichlorofluoromethane	0.00	101	0	N.D.			
8) acrolein	3.70	56	365597	547.44	ppb	#	62
9) 1,1-dichloroethene	3.79	96	1335921	90.10	ppb		91
10) acetone	3.96	43	1252045	175.05	ppb		92
11) methylene chloride	4.57	84	1787162	103.69	ppb		97
12) trans-1,2-dichloroethene	5.02	96	1539703	81.18	ppb		98
13) acrylonitrile	5.02	53	9018565	1597.08	ppb		91
14) 1,1-dichloroethane	5.71	63	3243148	91.19	ppb		93
15) 2,2-dichloropropane	6.63	77	2249010	84.15	ppb		97
16) cis-1,2-dichloroethene	6.65	96	1659008	88.97	ppb		82
17) 2-butanone	6.71	43	3037007	170.37	ppb	#	100
18) bromochloromethane	7.03	128	696675	106.88	ppb		88
19) chloroform	7.19	83	2722383	90.07	ppb		96
20) 1,1,1-trichloroethane	7.44	97	2273615	81.79	ppb		91
21) carbon tetrachloride	7.71	117	1851870	76.81	ppb		99
22) 1,1-dichloropropene	7.71	75	1901228	69.76	ppb	#	92
24) benzene	8.04	78	6189934	76.29	ppb		100
25) 1,2-dichloroethane	8.08	62	2075476	98.66	ppb		99
26) trichloroethene	9.10	95	1231840	62.43	ppb	#	84
27) 1,2-dichloropropane	9.45	63	1689142	85.82	ppb	#	100
28) dibromomethane	9.64	93	894347	111.11	ppb	#	98
29) bromodichloromethane	9.93	83	1745946	86.09	ppb	#	82
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.66	75	1934408	77.53	ppb		96

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707345.D
Acq On : 8 Jul 2005 3:56 am
Sample : G510-233-4b ms
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 4:21 2005

Vial: 45
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.95	43	6609188	145.85	ppb	#	95
34)	toluene	11.21	92	2697911	56.35	ppb		98
35)	Iodomethane	4.01	142	1381790	102.13	ppb		92
36)	trans-1,3-dichloropropene	11.59	75	1638846	77.49	ppb		97
37)	Vinyl acetate	5.83	86	154300	46.63	ppb	#	1
38)	Carbon disulfide	4.10	76	4370114	77.16	ppb	#	96
40)	1,1,2-trichloroethane	11.90	83	1101061	102.58	ppb	#	77
41)	tetrachloroethene	12.13	166	743366	42.80	ppb		91
42)	1,3-dichloropropane	12.17	76	2236971	93.56	ppb	#	82
43)	2-hexanone	12.35	43	4654126	143.99	ppb	#	93
44)	dibromochloromethane	12.56	129	1096259	88.76	ppb		93
45)	1,2-dibromoethane	12.73	107	1249563	98.38	ppb	#	76
46)	chlorobenzene	13.59	112	2189745	44.10	ppb		99
47)	1,1,1,2-tetrachloroethane	13.74	131	846003	63.68	ppb		92
48)	bromoform	15.02	173	829812	104.14	ppb	#	100
50)	bromobenzene	15.86	156	700344	43.11	ppb		95
51)	1,1,2,2-tetrachloroethane	15.90	83	1930231	116.59	ppb	#	62
52)	1,2,3-trichloropropane	16.01	75	4119938	108.69	ppb	#	12
54)	ethylbenzene	13.80	91	3414783	36.59	ppb		99
55)	m/p-xylene	14.01	106	2311693	65.78	ppb		92
56)	styrene	14.73	104	1767230	37.04	ppb		100
57)	o-xylene	14.70	106	1200157	37.48	ppb		98
58)	isopropylbenzene	15.36	105	2586200	29.27	ppb		99
59)	n-propyl benzene	16.10	91	2508466	22.79	ppb		96
60)	2-chlorotoluene	16.23	126	501287	28.55	ppb		98
61)	4-chlorotoluene	16.42	126	459524	25.89	ppb		88
62)	1,3,5-trimethylbenzene	16.42	105	1745080	23.96	ppb		98
63)	tert-butylbenzene	16.99	119	1559313	25.87	ppb		96
64)	1,2,4-trimethylbenzene	17.08	105	1693935	23.43	ppb		94
65)	sec-butylbenzene	17.40	105	2071053	20.89	ppb		98
66)	1,3-dichlorobenzene	17.57	146	924869	27.98	ppb		95
67)	4-isopropyltoluene	17.67	119	1428438	18.22	ppb		92
68)	1,4-dichlorobenzene	17.73	146	901247	27.27	ppb		94
69)	1,2-dichlorobenzene	18.39	146	1000561	34.98	ppb		91
70)	n-butylbenzene	18.41	91	1104394	13.59	ppb		97
71)	1,2-dibromo-3-chloropropan	19.81	75	2241275	126.10	ppb	#	50
72)	1,2,4-trichlorobenzene	21.34	180	535091	28.22	ppb	#	81
73)	hexachlorobutadiene	21.69	225	113133	13.39	ppb		95
74)	naphthalene	21.78	128	2980467	65.20	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.01	89	1363166	97.57	ppb	#	76
76)	1,2,3-trichlorobenzene	22.23	180	607088	35.99	ppb		97

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707345.D
Acq On : 8 Jul 2005 3:56 am
Sample : G510-233-4b ms
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 4:21 2005

Vial: 45
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
77) MTBE	5.08	73	5756610	121.36 ppb		97
78) DIPE	5.88	45	8172316	97.71 ppb	#	87

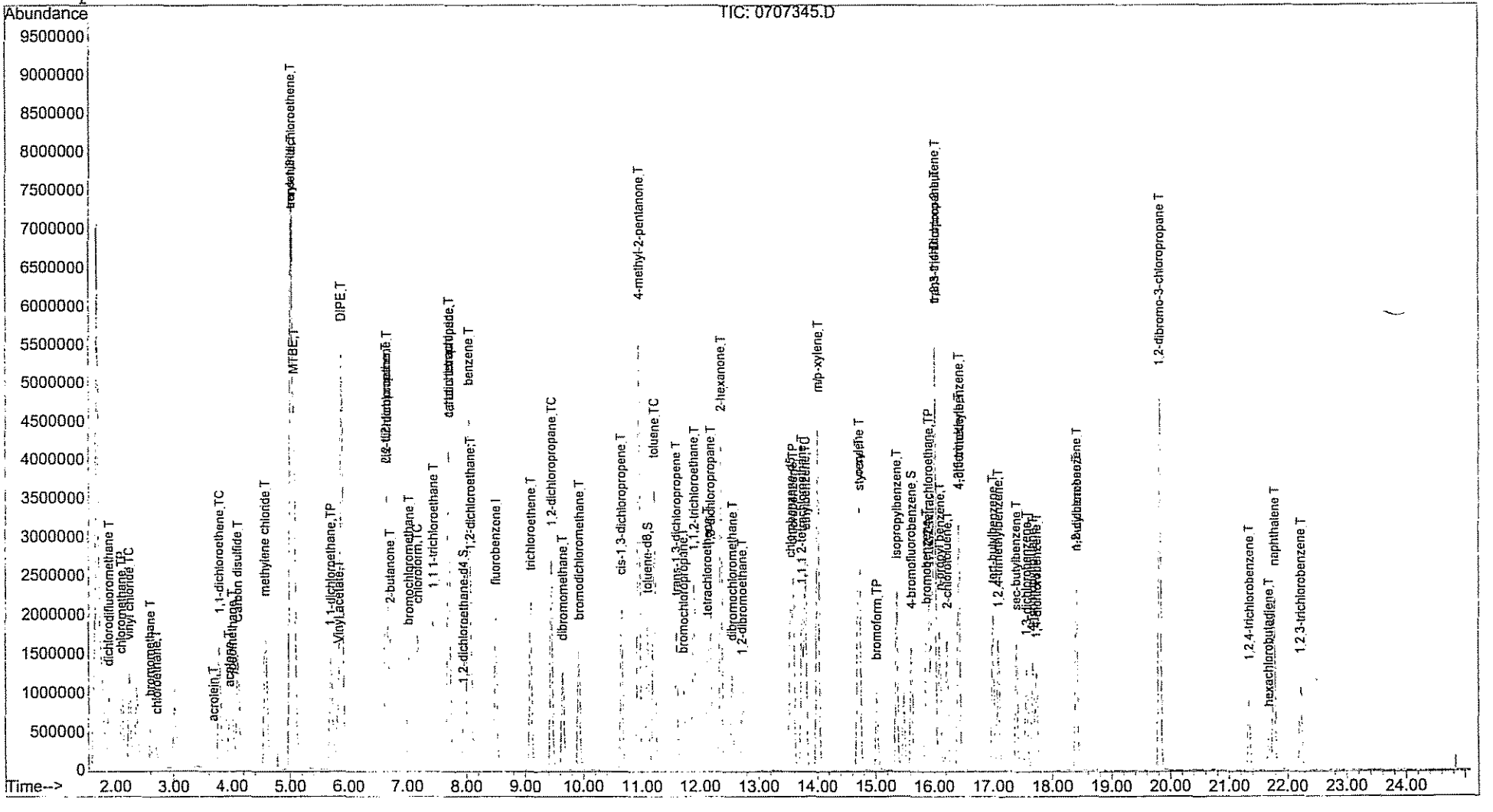
(#) = qualifier out of range (m) = manual integration

Data File : G:\1\DATA\3070705\0707345.D
Acq On : 8 Jul 2005 3:56 am
Sample : G510-233-4b ms
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 4:21 2005

Vial: 45
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707346.D Vial: 46
Acq On : 8 Jul 2005 4:27 am Operator: RNP
Sample : G510-233-4b msd Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 4:52 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	2829229	50.00	ppb	-0.01
39) bromochloropropane	11.73	79	374958	50.00	ppb	-0.01
53) chlorobenzene-d5	13.54	117	2184092	50.00	ppb	-0.01
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.96	65	805941	46.06	ppb	0.00
Spiked Amount 50.000			Recovery = 92.12%			
33) toluene-d8	11.10	98	2125355	51.67	ppb	-0.01
Spiked Amount 50.000			Recovery = 103.34%			
49) 4-bromofluorobenzene	15.62	95	1076348	47.98	ppb	0.00
Spiked Amount 50.000			Recovery = 95.96%			

Target Compounds						Qvalue
2) dichlorodifluoromethane	1.89	85	1338432	86.90	ppb #	84
3) chloromethane	2.11	50	1986034	91.78	ppb #	85
4) vinyl chloride	2.24	62	2204542	96.23	ppb #	90
5) bromomethane	2.60	94	505760	95.75	ppb	92
6) chloroethane	2.71	64	335018	47.29	ppb #	89
7) trichlorofluoromethane	0.00	101	0	N.D.		
8) acrolein	3.69	56	378379	593.11	ppb #	60
9) 1,1-dichloroethene	3.78	96	1302132	88.56	ppb	92
10) acetone	3.97	43	1341729	189.99	ppb	93
11) methylene chloride	4.58	84	1742191	101.92	ppb	97
12) trans-1,2-dichloroethene	5.01	96	1516719	80.63	ppb	96
13) acrylonitrile	5.02	53	9513038	1698.65	ppb	93
14) 1,1-dichloroethane	5.70	63	3118500	88.41	ppb	93
15) 2,2-dichloropropane	6.63	77	2069441	78.07	ppb	96
16) cis-1,2-dichloroethene	6.65	96	1617955	87.49	ppb	85
17) 2-butanone	6.72	43	3087936	174.67	ppb #	100
18) bromochloromethane	7.02	128	689653	106.68	ppb	82
19) chloroform	7.18	83	2690464	89.75	ppb	92
20) 1,1,1-trichloroethane	7.44	97	2211925	80.23	ppb	92
21) carbon tetrachloride	7.70	117	1803561	75.43	ppb	100
22) 1,1-dichloropropene	7.70	75	1884306	69.71	ppb	96
24) benzene	8.04	78	6069987	75.43	ppb	100
25) 1,2-dichloroethane	8.08	62	2031458	97.37	ppb	99
26) trichloroethene	9.09	95	1250195	63.89	ppb	88
27) 1,2-dichloropropane	9.45	63	1660703	85.08	ppb #	100
28) dibromomethane	9.65	93	885701	110.95	ppb #	97
29) bromodichloromethane	9.92	83	1740541	86.54	ppb #	82
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.		
31) cis-1,3-dichloropropene	10.66	75	1920105	77.60	ppb	98

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707346.D Vial: 46
Acq On : 8 Jul 2005 4:27 am Operator: RNP
Sample : G510-233-4b msd Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 4:52 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 : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.95	43	6705729	149.21	ppb	#	95
34)	toluene	11.20	92	2755521	58.03	ppb		98
35)	Iodomethane	4.01	142	1343456	100.12	ppb		90
36)	trans-1,3-dichloropropene	11.60	75	1646354	78.50	ppb		99
37)	Vinyl acetate	5.83	86	143739	43.80	ppb	#	1
38)	Carbon disulfide	4.10	76	4329341	77.08	ppb	#	96
40)	1,1,2-trichloroethane	11.90	83	1128532	104.02	ppb	#	80
41)	tetrachloroethene	12.12	166	788248	44.90	ppb		92
42)	1,3-dichloropropane	12.17	76	2249312	93.08	ppb	#	83
43)	2-hexanone	12.36	43	4660651	142.67	ppb	#	93
44)	dibromochloromethane	12.55	129	1135270	90.95	ppb		91
45)	1,2-dibromoethane	12.73	107	1270590	98.98	ppb	#	75
46)	chlorobenzene	13.59	112	2356129	46.95	ppb		98
47)	1,1,1,2-tetrachloroethane	13.75	131	861286	64.14	ppb		97
48)	bromoform	15.03	173	818957	101.73	ppb	#	100
50)	bromobenzene	15.87	156	747406	45.52	ppb		91
51)	1,1,2,2-tetrachloroethane	15.91	83	1955522	116.87	ppb	#	63
52)	1,2,3-trichloropropane	16.00	75	4124661	107.68	ppb	#	14
54)	ethylbenzene	13.80	91	3756505	40.79	ppb		99
55)	m/p-xylene	14.01	106	2578716	74.37	ppb		93
56)	styrene	14.72	104	1899627	40.36	ppb		100
57)	o-xylene	14.69	106	1330029	42.10	ppb		98
58)	isopropylbenzene	15.35	105	2955793	33.90	ppb		100
59)	n-propyl benzene	16.09	91	2955015	27.21	ppb		97
60)	2-chlorotoluene	16.23	126	548990	31.69	ppb		97
61)	4-chlorotoluene	16.43	126	509697	29.10	ppb		94
62)	1,3,5-trimethylbenzene	16.42	105	2044410	28.45	ppb		97
63)	tert-butylbenzene	17.00	119	1818587	30.58	ppb		93
64)	1,2,4-trimethylbenzene	17.09	105	2018268	28.29	ppb		92
65)	sec-butylbenzene	17.39	105	2482555	25.38	ppb		100
66)	1,3-dichlorobenzene	17.57	146	1012487	31.05	ppb		97
67)	4-isopropyltoluene	17.67	119	1748725	22.61	ppb		94
68)	1,4-dichlorobenzene	17.73	146	1000007	30.67	ppb		97
69)	1,2-dichlorobenzene	18.40	146	1125386	39.88	ppb		90
70)	n-butylbenzene	18.41	91	1421971	17.74	ppb		97
71)	1,2-dibromo-3-chloropropan	19.82	75	2317360	132.15	ppb	#	40
72)	1,2,4-trichlorobenzene	21.34	180	575662	30.77	ppb		82
73)	hexachlorobutadiene	21.68	225	140316	16.84	ppb		91
74)	naphthalene	21.77	128	3019124	66.94	ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	1365520	99.06	ppb	#	79
76)	1,2,3-trichlorobenzene	22.22	180	642245	38.59	ppb		93

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070705\0707346.D
Acq On : 8 Jul 2005 4:27 am
Sample : G510-233-4b msd
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 4:52 2005

Vial: 46
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

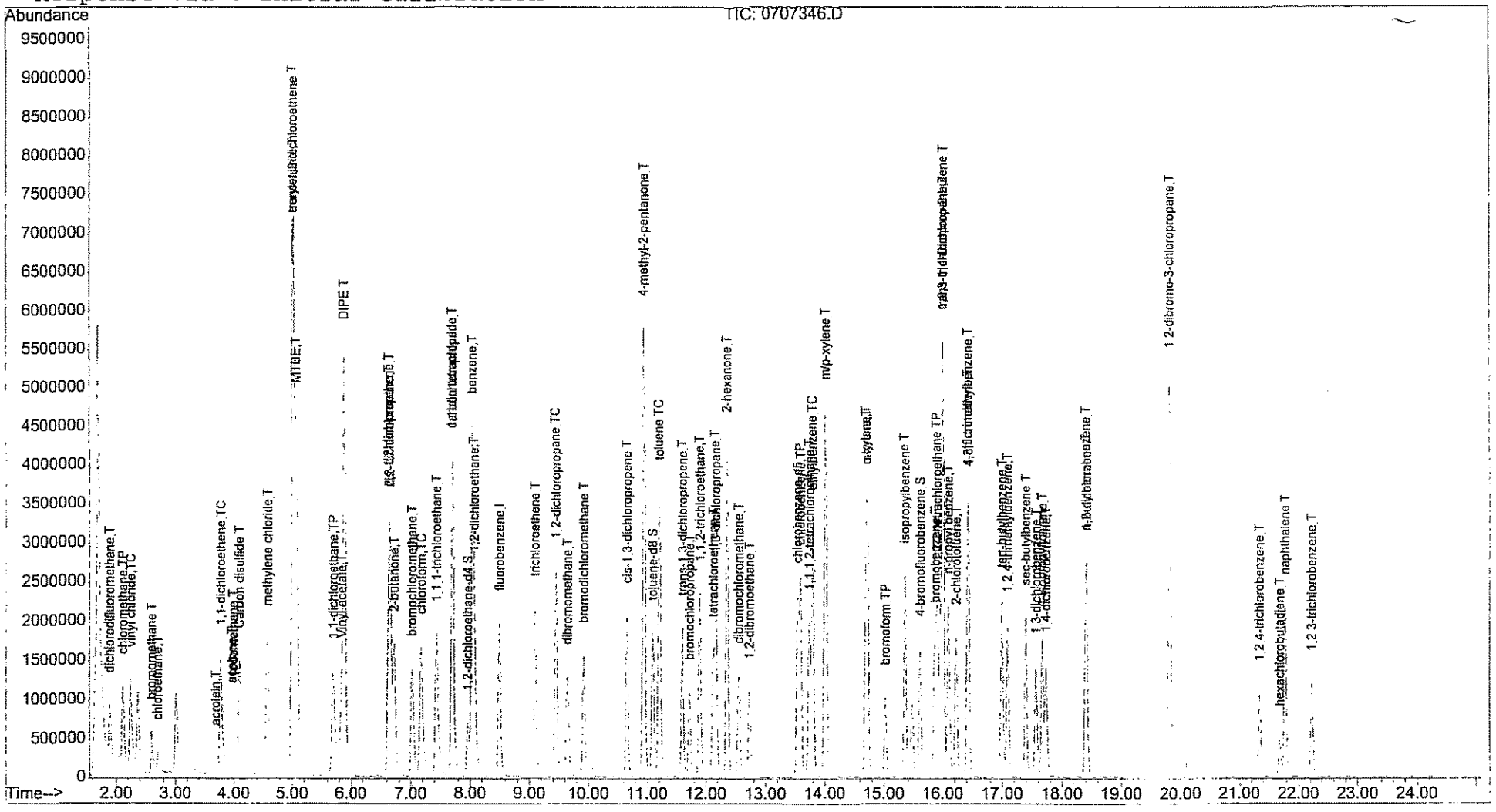
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Wed Jul 06 13:49:34 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	MTBE	5.08	73	5756587	123.00 ppb	97
78)	DIPE	5.88	45	8033264	97.35 ppb	87

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

Data File : G:\1\DATA\3070705\0707346.D Vial: 46
Acq On : 8 Jul 2005 4:27 am Operator: RNP
Sample : G510-233-4b msd Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 4:52 2005 Quant Results File: 8260SSC.RES

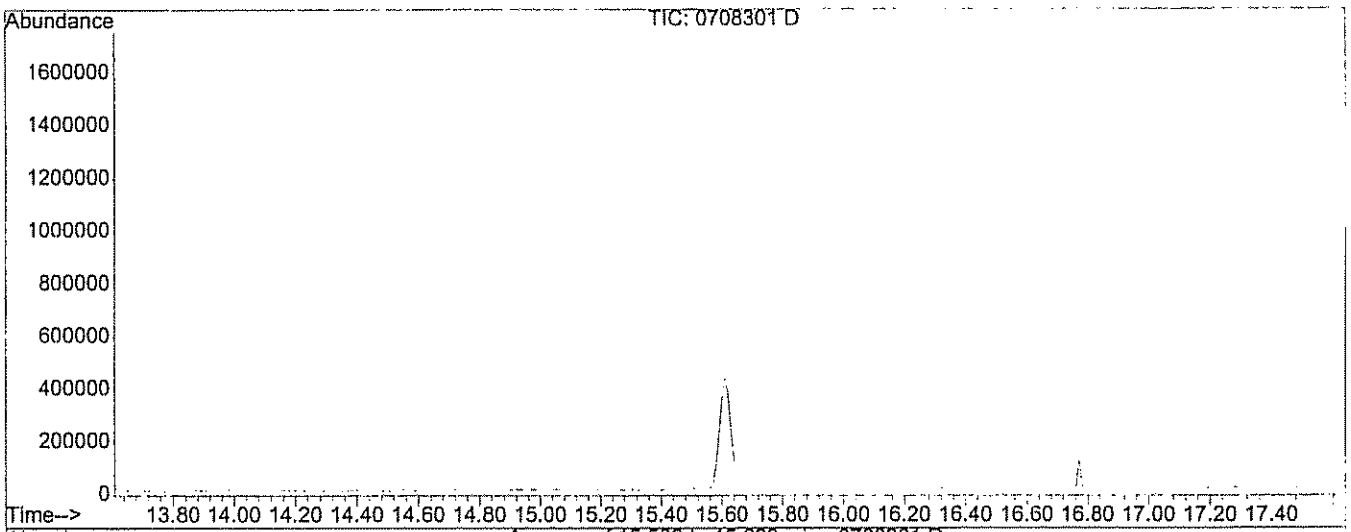
Method : G:\1\DATA\3070705\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration

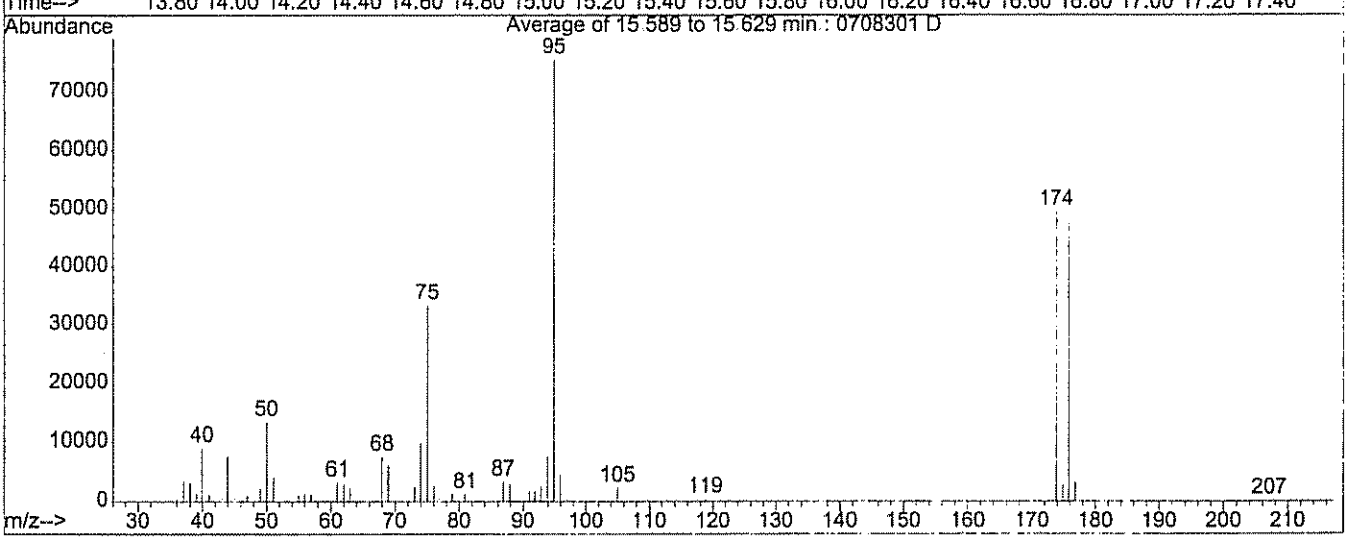


BFB

Data File : G:\1\DATA\3070805\0708301.D
Acq On : 8 Jul 2005 7:46 am
Sample : 50 ng bfb
Misc :
MS Integration Params: rteint.p
Method : G:\1\DATA\3070705\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX

Vial: 1
Operator: RNP
Inst : MSD3
Multiplr: 1.00





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

0708301.D 8260SSC.M Thu Jul 14 07:44:56 2005 X

Evaluate Continuing Calibration Report

Data File : G:\1\DATA\3070805\0708302.D Vial: 2
Acq On : 8 Jul 2005 8:18 am Operator: RNP
Sample : QCCHK025 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : G:\1\DATA\3070705\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	78	-0.02
2	T	dichlorodifluoromethane	0.221	0.182	17.6	64	0.00
3	TP	chloromethane	0.323	0.263	18.6	57	0.01
4	TC	vinyl chloride	0.333	0.284	14.7	67	0.00
5	T	bromomethane	0.090	0.087	3.3	87	-0.03
6	T	chloroethane	0.162	0.143	11.7	69	-0.03
7	T	trichlorofluoromethane	0.347	0.280	19.3	64	0.00
8	T	acrolein	0.305	0.365	-19.7	55	0.00
9	TC	1,1-dichloroethene	0.241	0.232	3.7	88	0.00
10	T	acetone	0.230	0.230	0.0	79	0.00
11	T	methylene chloride	0.297	0.281	5.4	86	0.00
12	T	trans-1,2-dichloroethene	0.314	0.301	4.1	91	0.00
13	T	acrylonitrile	1.218	1.220	-0.2	60	0.00
14	TP	1,1-dichloroethane	0.568	0.537	5.5	88	0.00
15	T	2,2-dichloropropane	0.453	0.416	8.2	86	0.00
16	T	cis-1,2-dichloroethene	0.316	0.302	4.4	92	0.00
17	T	2-butanone	0.424	0.454	-7.1	78	-0.02
18	T	bromochloromethane	0.114	0.114	0.0	87	-0.01
19	TC	chloroform	0.497	0.465	6.4	86	0.00
20	T	1,1,1-trichloroethane	0.445	0.401	9.9	87	0.00
21	T	carbon tetrachloride	0.389	0.360	7.5	90	-0.02
22	T	1,1-dichloropropene	0.443	0.416	6.1	90	0.00
23	S	1,2-dichloroethane-d4	0.313	0.302	3.5	75	0.00
24	T	benzene	1.319	1.255	4.9	90	-0.02
25	T	1,2-dichloroethane	0.367	0.336	8.4	79	0.00
26	T	trichloroethene	0.324	0.303	6.5	89	0.00
27	TC	1,2-dichloropropane	0.325	0.315	3.1	89	0.00
28	T	dibromomethane	0.151	0.151	0.0	86	0.00
29	T	bromodichloromethane	0.343	0.317	7.6	85	-0.02
30	T	2-chloroethyl vinyl ether	0.000	0.000	0.0	0#	-10.44#
31	T	cis-1,3-dichloropropene	0.429	0.423	1.4	88	-0.02
32	T	4-methyl-2-pentanone	0.968	1.010	-4.3	79	-0.02
33	S	toluene-d8	0.721	0.734	-1.8	79	0.00
34	TC	toluene	0.796	0.769	3.4	90	0.00
35	T	Iodomethane	0.209	0.233	-11.5	102	0.00
36	T	trans-1,3-dichloropropene	0.368	0.354	3.8	83	0.00
37	T	Vinyl acetate	0.131	0.156	-19.1	78	0.00
38	T	Carbon disulfide	0.897	0.837	6.7	90	0.00
39	I	bromochloropropane	1.000	1.000	0.0	79	-0.02
40	T	1,1,2-trichloroethane	1.557	1.560	-0.2	86	-0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : G:\1\DATA\3070805\0708302.D Vial: 2
Acq On : 8 Jul 2005 8:18 am Operator: RNP
Sample : QCCHK025 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : G:\1\DATA\3070705\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)
41	T	tetrachloroethene	2.260	2.099	7.1	93	0.00
42	T	1,3-dichloropropane	3.331	3.251	2.4	84	0.00
43	T	2-hexanone	5.530	5.757	-4.1	80	-0.02
44	T	dibromochloromethane	1.720	1.592	7.4	81	0.00
45	T	1,2-dibromoethane	1.865	1.814	2.7	82	0.00
46	TP	chlorobenzene	6.542	5.980	8.6	87	0.00
47	T	1,1,1,2-tetrachloroethane	1.724	1.584	8.1	84	0.00
48	TP	bromoform	1.146	1.127	1.7	82	-0.02
49	S	4-bromofluorobenzene	2.946	2.892	1.8	80	0.00
50	T	bromobenzene	2.171	1.966	9.4	83	0.00
51	TP	1,1,2,2-tetrachloroethane	2.519	2.572	-2.1	83	0.00
52	T	1,2,3-trichloropropane	5.319	6.200	-16.6	81	-0.09
53		chlorobenzene-d5	1.000	1.000	0.0	79	-0.02
54	TC	ethylbenzene	2.007	1.903	5.2	90	-0.02
55	T	m/p-xylene	0.740	0.699	5.5	91	-0.02
56	T	styrene	1.035	0.976	5.7	87	-0.01
57	T	o-xylene	0.683	0.639	6.4	87	-0.02
58	T	isopropylbenzene	1.886	1.744	7.5	88	-0.01
59	T	n-propyl benzene	2.355	2.231	5.3	89	0.00
60	T	2-chlorotoluene	0.373	0.350	6.2	89	0.00
61	T	4-chlorotoluene	0.387	0.364	5.9	85	0.00
62	T	1,3,5-trimethylbenzene	1.527	1.404	8.1	87	-0.02
63	T	tert-butylbenzene	1.266	1.163	8.1	88	0.00
64	T	1,2,4-trimethylbenzene	1.515	1.427	5.8	87	0.00
65	T	sec-butylbenzene	2.110	1.952	7.5	87	0.00
66	T	1,3-dichlorobenzene	0.710	0.645	9.2	82	-0.02
67	T	4-isopropyltoluene	1.646	1.531	7.0	87	0.00
68	T	1,4-dichlorobenzene	0.718	0.655	8.8	83	-0.02
69	T	1,2-dichlorobenzene	0.631	0.585	7.3	86	-0.01
70	T	n-butylbenzene	1.725	1.594	7.6	89	-0.02
71	T	1,2-dibromo-3-chloropropane	0.487	0.506	-3.9	79	-0.02
72	T	1,2,4-trichlorobenzene	0.446	0.416	6.7	81	-0.02
73	T	hexachlorobutadiene	0.185	0.160	13.5	76	0.00
74	T	naphthalene	1.218	1.117	8.3	74	-0.02
75	T	trans-1,4-Dichloro-2-butene	0.373	0.380	-1.9	80	0.00
76	T	1,2,3-trichlorobenzene	0.409	0.380	7.1	79	-0.02
77	T	MTBE	1.065	1.034	2.9	83	0.00
78	T	DIPE	1.776	1.634	8.0	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070805\0708302.D Vial: 2
Acq On : 8 Jul 2005 8:18 am Operator: RNP
Sample : QCCHK025 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 8:44 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	2822473	50.00 ppb	-0.02
39) bromochloropropane	11.72	79	369111	50.00 ppb	-0.02
53) chlorobenzene-d5	13.53	117	2148662	50.00 ppb	-0.02
System Monitoring Compounds					
23) 1,2-dichloroethane-d4	7.95	65	852357	48.19 ppb	0.00
Spiked Amount 50.000			Recovery =	96.38%	
33) toluene-d8	11.10	98	2072120	50.93 ppb	0.00
Spiked Amount 50.000			Recovery =	101.86%	
49) 4-bromofluorobenzene	15.61	95	1067328	49.07 ppb	0.00
Spiked Amount 50.000			Recovery =	98.14%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.90	85	256970	20.60 ppb #	81
3) chloromethane	2.12	50	370837	20.31 ppb #	86
4) vinyl chloride	2.25	62	401287	21.32 ppb #	86
5) bromomethane	2.61	94	123225	24.13 ppb	95
6) chloroethane	2.75	64	201541	21.54 ppb	91
7) trichlorofluoromethane	3.10	101	395063	20.14 ppb	99
8) acrolein	3.70	56	515320	27.81 ppb #	60
9) 1,1-dichloroethene	3.83	96	326863	24.00 ppb	94
10) acetone	3.94	43	324722	27.63 ppb	97
11) methylene chloride	4.60	84	396008	23.60 ppb	93
12) trans-1,2-dichloroethene	5.04	96	425344	24.03 ppb	96
13) acrylonitrile	5.01	53	1722266	25.05 ppb	91
14) 1,1-dichloroethane	5.72	63	757784	23.62 ppb #	93
15) 2,2-dichloropropane	6.64	77	586806	22.94 ppb	99
16) cis-1,2-dichloroethene	6.65	96	426236	23.88 ppb	84
17) 2-butanone	6.70	43	641340	26.42 ppb #	100
18) bromochloromethane	7.03	128	160419	25.04 ppb #	81
19) chloroform	7.19	83	655878	23.37 ppb	90
20) 1,1,1-trichloroethane	7.45	97	566281	22.54 ppb	89
21) carbon tetrachloride	7.71	117	508195	23.12 ppb	99
22) 1,1-dichloropropene	7.72	75	587523	23.48 ppb #	94
24) benzene	8.04	78	1771614	23.79 ppb	99
25) 1,2-dichloroethane	8.08	62	474352	22.91 ppb	99
26) trichloroethene	9.10	95	427195	23.38 ppb #	84
27) 1,2-dichloropropane	9.45	63	445205	24.30 ppb #	100
28) dibromomethane	9.65	93	213562	25.11 ppb #	96
29) bromodichloromethane	9.92	83	447486	23.13 ppb #	85
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.	
31) cis-1,3-dichloropropene	10.66	75	596577	24.62 ppb	94

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070805\0708302.D
Acq On : 8 Jul 2005 8:18 am
Sample : QCCHK025
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 8:44 2005

Vial: 2
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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
32)	4-methyl-2-pentanone	10.93	43	1425427	26.09 ppb	#	94
34)	toluene	11.21	92	1085758	24.17 ppb		97
35)	Iodomethane	4.05	142	328809	27.90 ppb		94
36)	trans-1,3-dichloropropene	11.59	75	500248	24.08 ppb		96
37)	Vinyl acetate	5.83	86	220607	44.69 ppb	#	1
38)	Carbon disulfide	4.15	76	1181182	23.32 ppb	#	94
40)	1,1,2-trichloroethane	11.89	83	287948	25.05 ppb	#	85
41)	tetrachloroethene	12.12	166	387460	23.22 ppb		97
42)	1,3-dichloropropane	12.17	76	600022	24.40 ppb	#	84
43)	2-hexanone	12.34	43	1062465	26.02 ppb	#	94
44)	dibromochloromethane	12.55	129	293837	23.15 ppb		87
45)	1,2-dibromoethane	12.73	107	334768	24.32 ppb	#	78
46)	chlorobenzene	13.58	112	1103586	22.85 ppb		98
47)	1,1,1,2-tetrachloroethane	13.73	131	292406	22.97 ppb		91
48)	bromoform	15.02	173	207975	23.08 ppb	#	100
50)	bromobenzene	15.86	156	362762	22.64 ppb		94
51)	1,1,2,2-tetrachloroethane	15.90	83	474586	25.52 ppb	#	58
52)	1,2,3-trichloropropane	16.00	75	1144155	26.06 ppb	#	11
54)	ethylbenzene	13.79	91	2044200	23.70 ppb		98
55)	m/p-xylene	14.00	106	1500881	47.22 ppb		92
56)	styrene	14.72	104	1049017	23.58 ppb		100
57)	o-xylene	14.69	106	686917	23.41 ppb		95
58)	isopropylbenzene	15.35	105	1873762	23.12 ppb		100
59)	n-propyl benzene	16.09	91	2396598	23.68 ppb		96
60)	2-chlorotoluene	16.23	126	375581	23.45 ppb		93
61)	4-chlorotoluene	16.42	126	391278	23.56 ppb		84
62)	1,3,5-trimethylbenzene	16.41	105	1508661	22.99 ppb		98
63)	tert-butylbenzene	16.99	119	1248922	22.96 ppb		96
64)	1,2,4-trimethylbenzene	17.08	105	1532788	23.54 ppb		95
65)	sec-butylbenzene	17.39	105	2097535	23.13 ppb		99
66)	1,3-dichlorobenzene	17.56	146	693075	22.71 ppb		94
67)	4-isopropyltoluene	17.66	119	1645332	23.26 ppb		93
68)	1,4-dichlorobenzene	17.72	146	703235	22.78 ppb		97
69)	1,2-dichlorobenzene	18.39	146	628944	23.21 ppb		93
70)	n-butylbenzene	18.40	91	1712195	23.09 ppb		100
71)	1,2-dibromo-3-chloropropan	19.81	75	543104	25.93 ppb	#	40
72)	1,2,4-trichlorobenzene	21.33	180	446473	23.28 ppb	#	79
73)	hexachlorobutadiene	21.68	225	172403	21.65 ppb		98
74)	naphthalene	21.77	128	1200355	22.24 ppb		100
75)	trans-1,4-Dichloro-2-buten	16.00	89	408206	25.49 ppb	#	78
76)	1,2,3-trichlorobenzene	22.22	180	408040	23.23 ppb		94

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070805\0708302.D
Acq On : 8 Jul 2005 8:18 am
Sample : QCCHK025
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 8:44 2005

Vial: 2
Operator: RNP
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

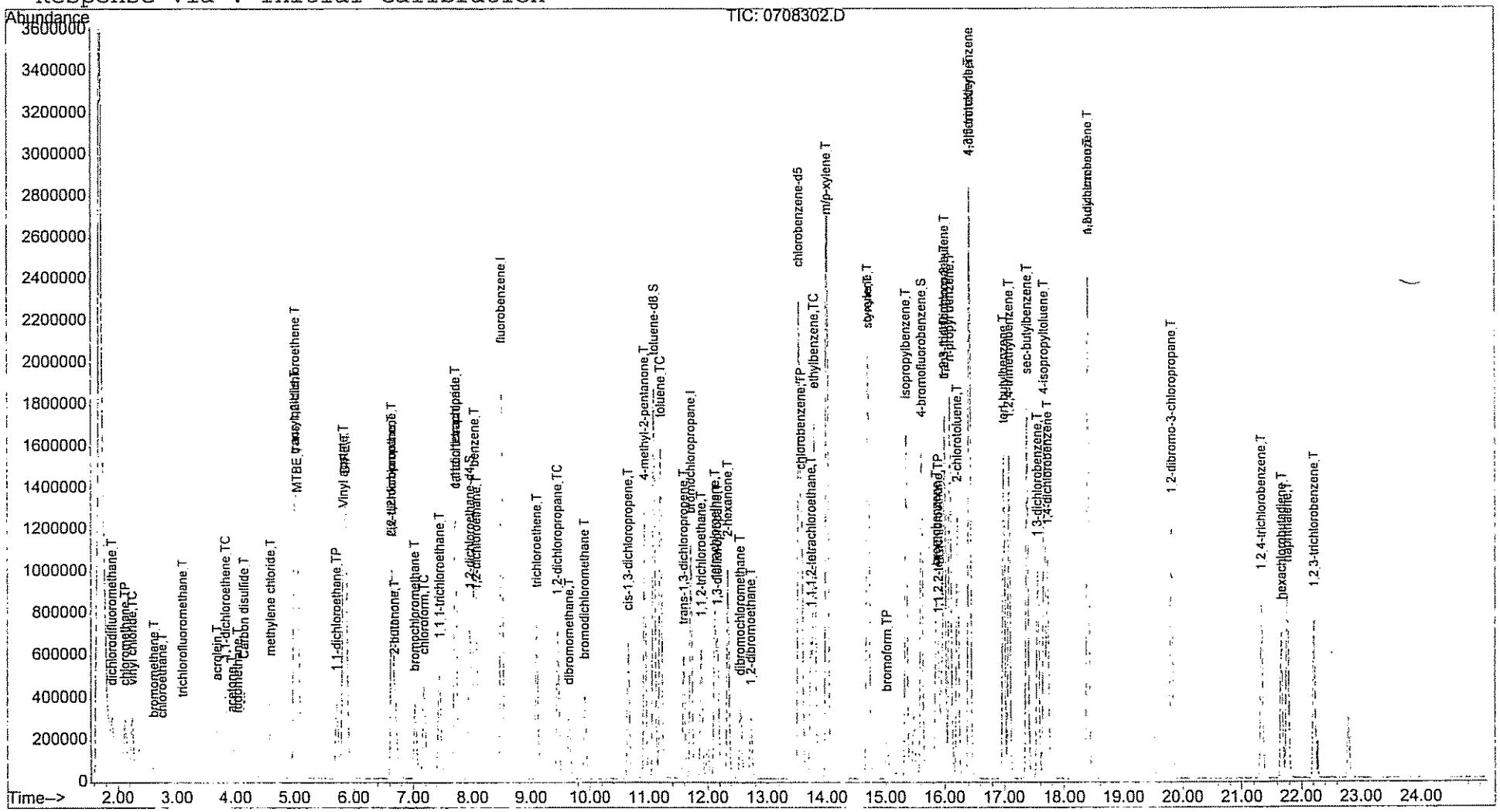
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
77) MTBE	5.07	73	1111086	24.29 ppb		97
78) DIPE	5.87	45	1755847	23.01 ppb	#	91

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

Data File : G:\1\DATA\3070805\0708302.D Vial: 2
Acq On : 8 Jul 2005 8:18 am Operator: RNP
Sample : QCCHK025 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 8 8:44 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070805\0708304.D
Acq On : 8 Jul 2005 9:20 am
Sample : LCS3070805a
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 9:45 2005

Vial: 4
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.		
31) cis-1,3-dichloropropene	10.66	75	2261898	98.77 ppb		97

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070805\0708304.D
Acq On : 8 Jul 2005 9:20 am
Sample : LCS3070805a
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 9:45 2005

Vial: 4
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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
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
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

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

Quantitation Report (Not Reviewed)

Data File : G:\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

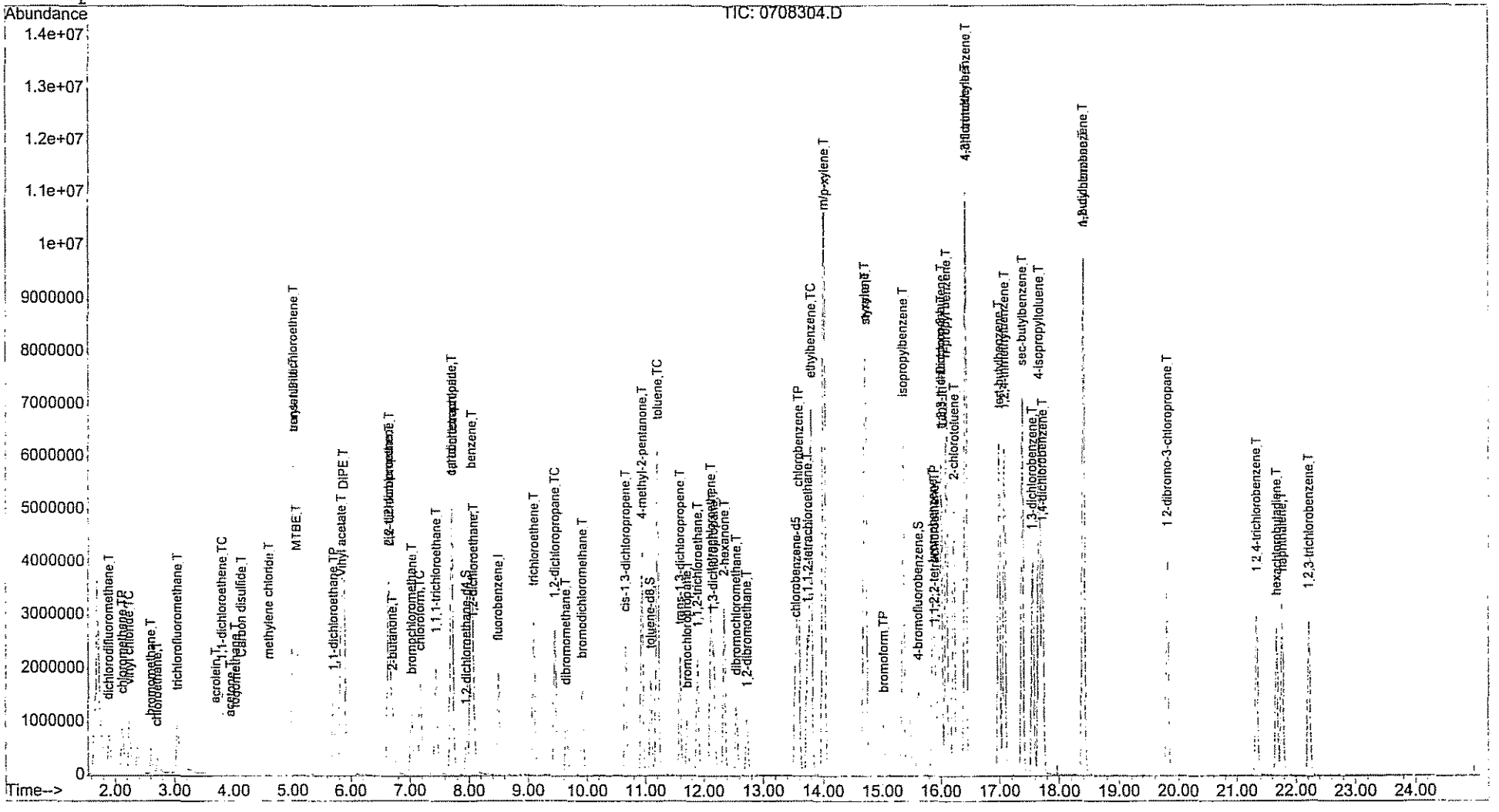
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.08	73	4043076	92.88 ppb	96
78) DIPE	5.87	45	6681409	92.03 ppb	94

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

Quantitation Report

Data File : G:\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 : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\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
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.65	75	2401315	106.01	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070805\0708305.D
Acq On : 8 Jul 2005 9:51 am
Sample : LCS3070805b
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 10:16 2005

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

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
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
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

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

Quantitation Report (Not Reviewed)

Data File : G:\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

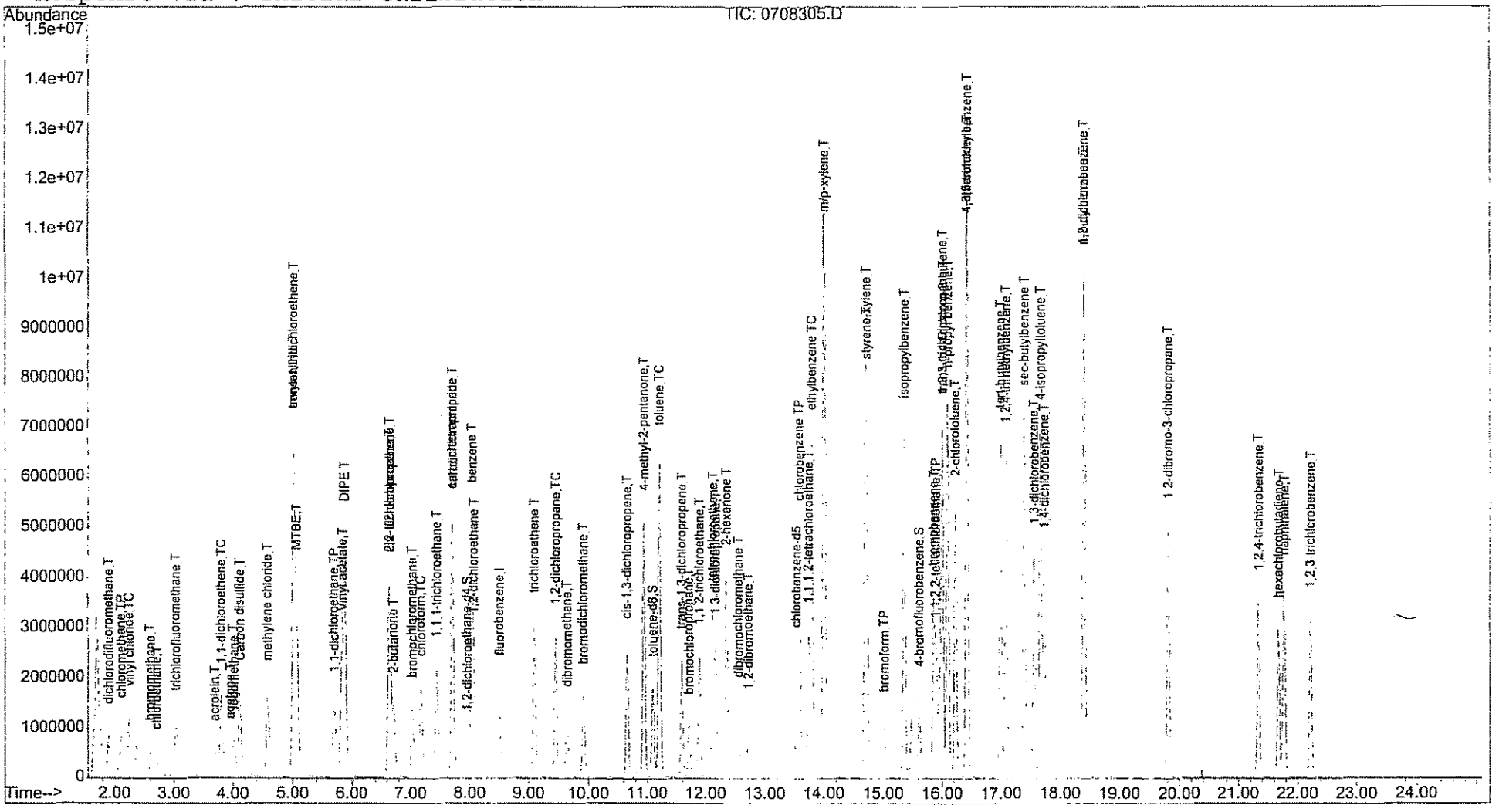
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
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

Data File : G:\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 : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070805\0708307.D
Acq On : 8 Jul 2005 10:54 am
Sample : VBLK3070805b
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 11:19 2005

Vial: 7
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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
2) dichlorodifluoromethane	0.00	85	0	N.D.		
3) chloromethane	0.00	50	0	N.D.		
4) vinyl chloride	0.00	62	0	N.D.		
5) bromomethane	2.63	94	3218	0.70 ppb	#	2
6) chloroethane	0.00	64	0	N.D.		
7) trichlorofluoromethane	0.00	101	0	N.D.		
8) acrolein	3.70	56	1418	Below Cal		84
9) 1,1-dichloroethene	0.00	96	0	N.D.		
10) acetone	3.95	43	57438	Below Cal		97
11) methylene chloride	4.61	84	1413	0.09 ppb	#	54
12) trans-1,2-dichloroethene	0.00	96	0	N.D.		
13) acrylonitrile	5.02	53	7408	0.12 ppb	#	78
14) 1,1-dichloroethane	0.00	63	0	N.D.		
15) 2,2-dichloropropane	0.00	77	0	N.D.		
16) cis-1,2-dichloroethene	0.00	96	0	N.D.		
17) 2-butanone	6.74	43	2354	Below Cal	#	100
18) bromochloromethane	0.00	128	0	N.D.		
19) chloroform	0.00	83	0	N.D.		
20) 1,1,1-trichloroethane	0.00	97	0	N.D.		
21) carbon tetrachloride	0.00	117	0	N.D.		
22) 1,1-dichloropropene	0.00	75	0	N.D.		
24) benzene	8.05	78	17468	0.26 ppb	#	84
25) 1,2-dichloroethane	0.00	62	0	N.D.		
26) trichloroethene	0.00	95	0	N.D.		
27) 1,2-dichloropropane	0.00	63	0	N.D.		
28) dibromomethane	0.00	93	0	N.D.		
29) bromodichloromethane	0.00	83	0	N.D.		
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.		
31) cis-1,3-dichloropropene	0.00	75	0	N.D.		

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070805\0708307.D
Acq On : 8 Jul 2005 10:54 am
Sample : VBLK3070805b
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 11:19 2005

Vial: 7
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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
32)	4-methyl-2-pentanone	10.93	43	2068	0.04 ppb	#	38
34)	toluene	11.42	92	1883	0.05 ppb		88
35)	Iodomethane	0.00	142	0	N.D.		
36)	trans-1,3-dichloropropene	11.71	75	13015	0.69 ppb	#	50
37)	Vinyl acetate	0.00	86	0	N.D.		
38)	Carbon disulfide	4.16	76	772	0.02 ppb	#	76
40)	1,1,2-trichloroethane	0.00	83	0	N.D.		
41)	tetrachloroethene	0.00	166	0	N.D.		
42)	1,3-dichloropropane	12.17	76	693	0.03 ppb	#	34
43)	2-hexanone	12.34	43	4062	0.11 ppb	#	26
44)	dibromochloromethane	0.00	129	0	N.D.		
45)	1,2-dibromoethane	0.00	107	0	N.D.		
46)	chlorobenzene	13.58	112	592	0.01 ppb	#	1
47)	1,1,1,2-tetrachloroethane	0.00	131	0	N.D.		
48)	bromoform	0.00	173	0	N.D.		
50)	bromobenzene	0.00	156	0	N.D.		
51)	1,1,2,2-tetrachloroethane	0.00	83	0	N.D.		
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
57)	o-xylene	0.00	106	0	N.D.		
58)	isopropylbenzene	15.60	105	767	0.01 ppb	#	50
59)	n-propyl benzene	16.10	91	4378	0.05 ppb	#	53
60)	2-chlorotoluene	0.00	126	0	N.D.		
61)	4-chlorotoluene	0.00	126	0	N.D.		
62)	1,3,5-trimethylbenzene	16.42	105	664	0.01 ppb	#	28
63)	tert-butylbenzene	0.00	119	0	N.D.		
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
73)	hexachlorobutadiene	0.00	225	0	N.D.		
74)	naphthalene	21.78	128	31677	Below Cal		100
75)	trans-1,4-Dichloro-2-buten	0.00	89	0	N.D.		
76)	1,2,3-trichlorobenzene	22.23	180	6038	0.38 ppb		100

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

Quantitation Report (Not Reviewed)

Data File : G:\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

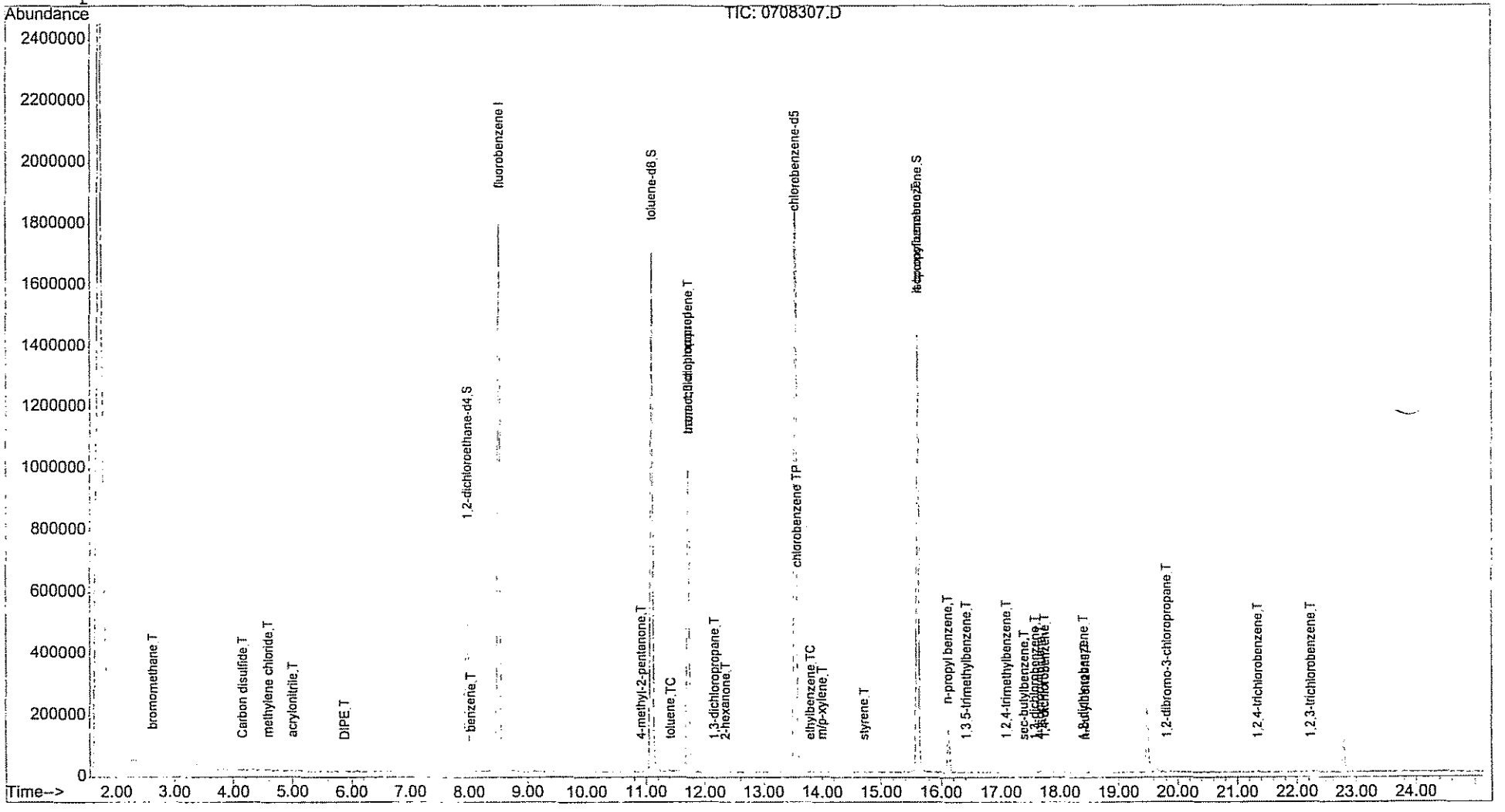
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	0.00	73	0	N.D.	
78) DIPE	5.89	45	629	0.01 ppb	# 34

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

Data File : G:\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 : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070805\0708322.D
Acq On : 8 Jul 2005 6:42 pm
Sample : G161-2047-15b ms
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 19:07 2005

Vial: 22
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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	0.00	101	0	N.D.			
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
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.			
31) cis-1,3-dichloropropene	10.65	75	2243174	109.95	ppb		95

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3070805\0708322.D
Acq On : 8 Jul 2005 6:42 pm
Sample : G161-2047-15b ms
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 8 19:07 2005

Vial: 22
Operator: RNP
Inst : MSD3
Multiplr: 1.00
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
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
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

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

Quantitation Report (Not Reviewed)

Data File : G:\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 8 19:07 2005 Quant Results File: 8260SSC.RES

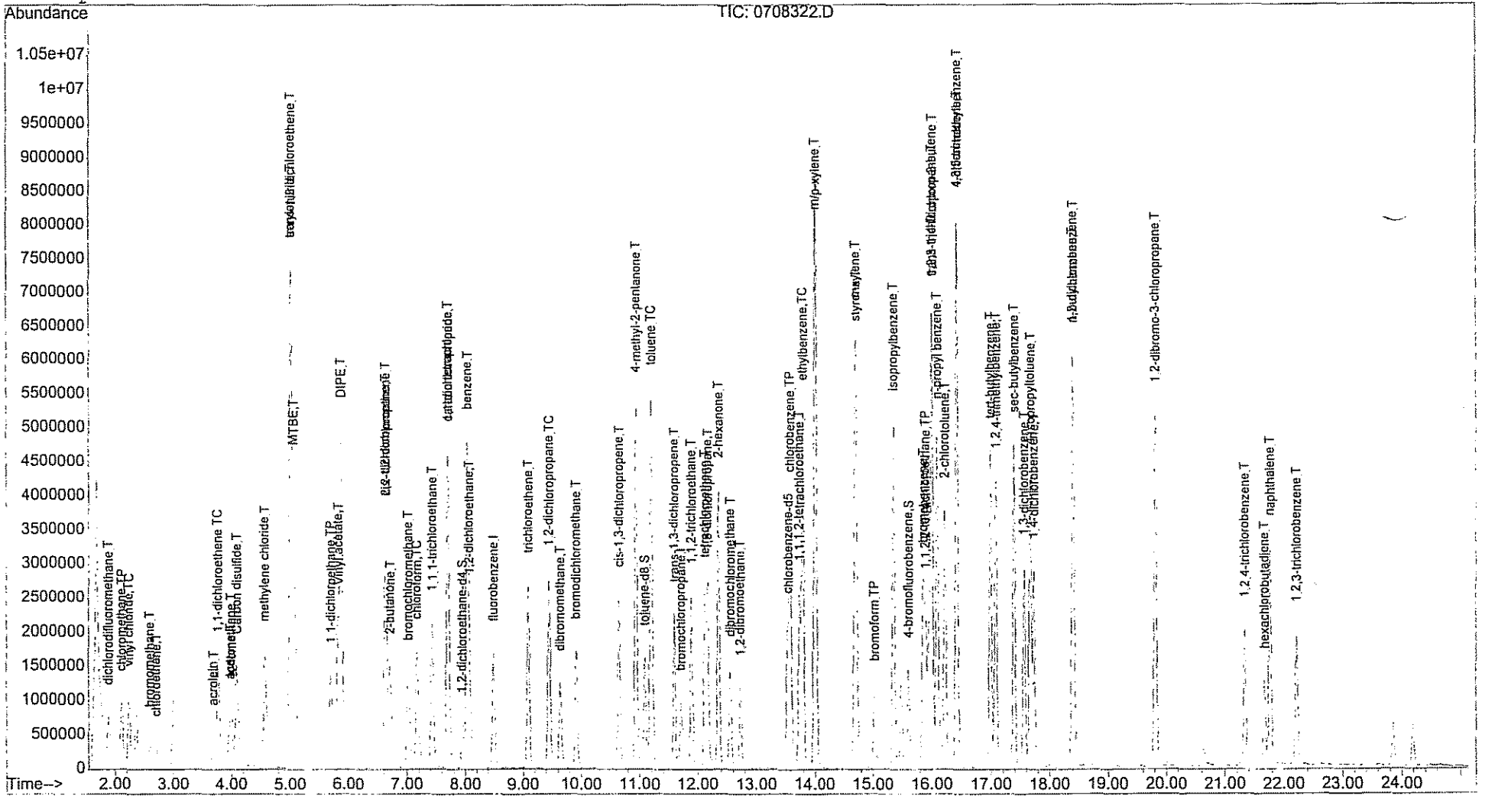
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Thu Jul 07 04:51:32 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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

Data File : G:\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 8 19:07 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\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 8 19:38 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	0.00	101	0	N.D.	
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
30) 2-chloroethyl vinyl ether	0.00	106	0	N.D.	
31) cis-1,3-dichloropropene	10.66	75	2347998	109.39 ppb	97

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

Quantitation Report (Not Reviewed)

Data File : G:\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 8 19:38 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
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
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

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

Quantitation Report (Not Reviewed)

Data File : G:\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 8 19:38 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

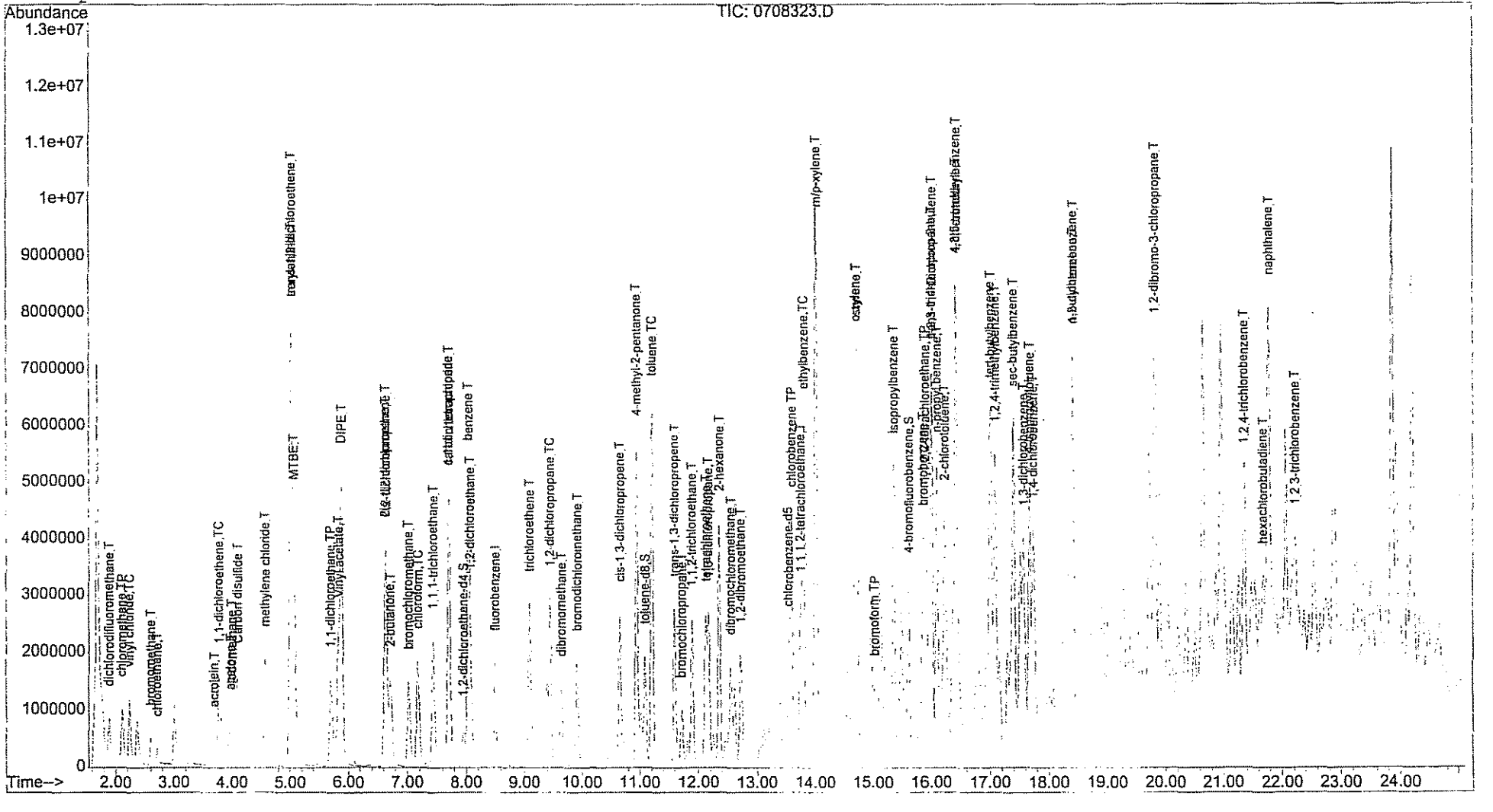
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.08	73	5133973	127.33 ppb	99
78) DIPE	5.88	45	7319409	108.84 ppb	91

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

Quantitation Report

Data File : G:\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 8 19:38 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3070705\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



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071205\0712303.D Vial: 3
Acq On : 12 Jul 2005 9:16 am Operator: JTF
Sample : lcs3071105a Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:41 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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.49	96	778971	50.00	ppb	0.00
39) bromochloropropane	11.71	79	65606	50.00	ppb	0.00
53) chlorobenzene-d5	13.52	117	464171	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.94	65	128337	53.97	ppb	0.00
Spiked Amount 50.000			Recovery	=	107.94%	
33) toluene-d8	11.08	98	548091	48.86	ppb	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
49) 4-bromofluorobenzene	15.59	95	193521	49.50	ppb	0.00
Spiked Amount 50.000			Recovery	=	99.00%	
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.89	85	1610892	114.19	ppb	97
3) chloromethane	2.10	50	1344833	115.27	ppb	96
4) vinyl chloride	2.23	62	1494781	114.99	ppb	98
5) bromomethane	2.61	94	440560	98.18	ppb	94
6) chloroethane	2.75	64	653849	119.33	ppb	98
7) trichlorofluoromethane	3.08	101	1485386	125.81	ppb	97
8) acrolein	3.69	56	298823	1164.06	ppb	98
9) 1,1-dichloroethene	3.81	96	799503	104.09	ppb	88
10) acetone	3.92	43	307177	113.24	ppb	90
11) methylene chloride	4.58	84	632268	107.87	ppb	98
12) trans-1,2-dichloroethene	5.03	96	941483	104.93	ppb	97
13) acrylonitrile	5.00	53	1112804	1312.33	ppb	99
14) 1,1-dichloroethane	5.70	63	1609588	109.50	ppb	96
15) 2,2-dichloropropane	6.62	77	1497967	111.18	ppb	99
16) cis-1,2-dichloroethene	6.64	96	795606	105.51	ppb	99
17) 2-butanone	6.69	43	461608	110.35	ppb	94
18) bromochloromethane	7.02	128	206081	104.72	ppb	98
19) chloroform	7.17	83	1289301	107.62	ppb	99
20) 1,1,1-trichloroethane	7.43	97	1416244	108.48	ppb	98
21) carbon tetrachloride	7.70	117	1275701	106.80	ppb	95
22) 1,1-dichloropropene	7.71	75	1418169	105.87	ppb	97
24) benzene	8.03	78	3459173	101.29	ppb	99
25) 1,2-dichloroethane	8.06	62	586494	113.44	ppb	98
26) trichloroethene	9.09	95	932988	103.49	ppb	97
27) 1,2-dichloropropane	9.44	63	711606	103.99	ppb	100
28) dibromomethane	9.63	93	215967	112.17	ppb	89
29) bromodichloromethane	9.91	83	694540	104.23	ppb	94
30) 2-chloroethyl vinyl ether	10.43	106	446732	130.50	ppb	99
31) cis-1,3-dichloropropene	10.65	75	795631	108.18	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071205\0712303.D
Acq On : 12 Jul 2005 9:16 am
Sample : lcs3071105a
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 12 9:41 2005

Vial: 3
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32)	4-methyl-2-pentanone	10.92	43	697149	111.72 ppb		98
34)	toluene	11.20	92	2052917	97.07 ppb		98
35)	Iodomethane	4.04	142	985657	104.42 ppb		90
36)	trans-1,3-dichloropropene	11.58	75	553297	108.71 ppb		95
37)	Vinyl acetate	5.81	86	176289	271.86 ppb		86
38)	Carbon disulfide	4.14	76	2897307	104.40 ppb		98
40)	1,1,2-trichloroethane	11.88	83	255905	107.32 ppb		90
41)	tetrachloroethene	12.11	166	862317	104.47 ppb		97
42)	1,3-dichloropropane	12.16	76	563750	109.42 ppb		93
43)	2-hexanone	12.33	43	550938	100.62 ppb		99
44)	dibromochloromethane	12.54	129	318659	110.62 ppb		97
45)	1,2-dibromoethane	12.72	107	263622	108.15 ppb	#	89
46)	chlorobenzene	13.57	112	1730898	104.88 ppb		94
47)	1,1,1,2-tetrachloroethane	13.72	131	435093	106.99 ppb		96
48)	bromoform	15.01	173	151122	102.69 ppb		98
50)	bromobenzene	15.85	156	438208	99.70 ppb		97
51)	1,1,2,2-tetrachloroethane	15.89	83	289768	104.40 ppb		99
52)	1,2,3-trichloropropane	16.08	75	31147	133.53 ppb		91
54)	ethylbenzene	13.78	91	3852602	107.35 ppb		100
55)	m/p-xylene	13.99	106	2675088	215.47 ppb		97
56)	styrene	14.71	104	1454802	105.94 ppb		100
57)	o-xylene	14.68	106	1122575	106.41 ppb		100
58)	isopropylbenzene	15.34	105	3569306	104.65 ppb		100
59)	n-propyl benzene	16.08	91	4234040	100.31 ppb		99
60)	2-chlorotoluene	16.20	126	569420	103.46 ppb		94
61)	4-chlorotoluene	16.41	126	531911	101.89 ppb		90
62)	1,3,5-trimethylbenzene	16.40	105	2483335	100.68 ppb		100
63)	tert-butylbenzene	16.98	119	2229423	99.75 ppb		99
64)	1,2,4-trimethylbenzene	17.07	105	2190595	98.77 ppb		97
65)	sec-butylbenzene	17.38	105	3664777	97.36 ppb		100
66)	1,3-dichlorobenzene	17.56	146	831618	98.38 ppb		96
67)	4-isopropyltoluene	17.65	119	2562797	94.42 ppb		97
68)	1,4-dichlorobenzene	17.71	146	762685	97.00 ppb		97
69)	1,2-dichlorobenzene	18.38	146	594732	96.09 ppb		97
70)	n-butylbenzene	18.39	91	2523741	92.21 ppb		95
71)	1,2-dibromo-3-chloropropan	19.80	75	182848	491.47 ppb	#	89
72)	1,2,4-trichlorobenzene	21.32	180	276182	75.26 ppb		86
73)	hexachlorobutadiene	21.67	225	208955	87.72 ppb		99
74)	naphthalene	21.75	128	354805	96.43 ppb		100
75)	trans-1,4-Dichloro-2-buten	15.99	89	195561	517.49 ppb		97
76)	1,2,3-trichlorobenzene	22.21	180	204625	94.46 ppb		92

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071205\0712303.D
Acq On : 12 Jul 2005 9:16 am
Sample : lcs3071105a
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 12 9:41 2005

Vial: 3
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

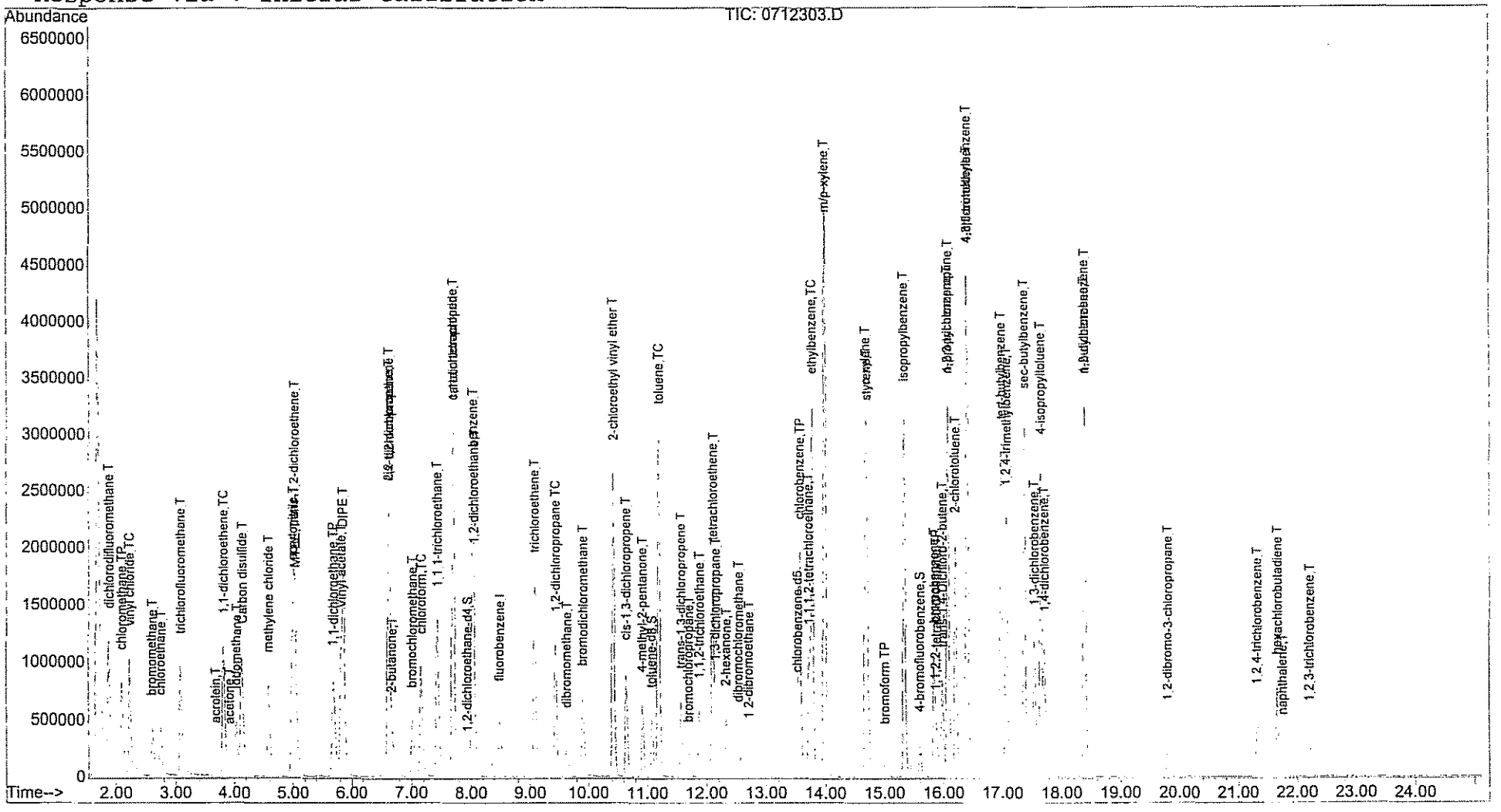
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.06	73	1123503	110.81 ppb	96
78) DIPE	5.85	45	2736853	110.17 ppb	96

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

Quantitation Report

Data File : G:\1\DATA\3071205\0712303.D Vial: 3
Acq On : 12 Jul 2005 9:16 am Operator: JTF
Sample : lcs3071105a Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:41 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071205\0712304.D
Acq On : 12 Jul 2005 9:46 am
Sample : lcs3071105b
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 12 10:11 2005

Vial: 4
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) fluorobenzene	8.49	96	866849	50.00 ppb	0.00
39) bromochloropropane	11.71	79	74977	50.00 ppb	0.00
53) chlorobenzene-d5	13.53	117	533401	50.00 ppb	0.00
System Monitoring Compounds					
23) 1,2-dichloroethane-d4	7.94	65	151760	57.35 ppb	-0.01
Spiked Amount 50.000			Recovery = 114.70%		
33) toluene-d8	11.08	98	616261	49.37 ppb	0.00
Spiked Amount 50.000			Recovery = 98.74%		
49) 4-bromofluorobenzene	15.60	95	226793	50.76 ppb	0.00
Spiked Amount 50.000			Recovery = 101.52%		
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.88	85	1795505	114.37 ppb	99
3) chloromethane	2.10	50	1503388	115.79 ppb	98
4) vinyl chloride	2.23	62	1643944	113.64 ppb	100
5) bromomethane	2.60	94	457153	91.55 ppb	89
6) chloroethane	2.74	64	720349	118.11 ppb	97
7) trichlorofluoromethane	3.09	101	1655762	126.02 ppb	99
8) acrolein	3.68	56	351603	1230.81 ppb	100
9) 1,1-dichloroethene	3.82	96	899736	105.26 ppb	90
10) acetone	3.93	43	437222	145.23 ppb	93
11) methylene chloride	4.59	84	728863	111.94 ppb	96
12) trans-1,2-dichloroethene	5.02	96	1063851	106.55 ppb	98
13) acrylonitrile	4.99	53	1260619	1335.94 ppb	100
14) 1,1-dichloroethane	5.70	63	1832590	112.03 ppb	97
15) 2,2-dichloropropane	6.63	77	1645628	109.75 ppb	99
16) cis-1,2-dichloroethene	6.64	96	899219	107.16 ppb	95
17) 2-butanone	6.70	43	612028	131.38 ppb	95
18) bromochloromethane	7.02	128	247444	112.99 ppb	97
19) chloroform	7.17	83	1467321	110.06 ppb	99
20) 1,1,1-trichloroethane	7.43	97	1598425	110.02 ppb	96
21) carbon tetrachloride	7.70	117	1459872	109.82 ppb	92
22) 1,1-dichloropropene	7.70	75	1598547	107.24 ppb	98
24) benzene	8.04	78	3942164	103.74 ppb	98
25) 1,2-dichloroethane	8.07	62	702882	122.17 ppb	98
26) trichloroethene	9.09	95	1055047	105.16 ppb	96
27) 1,2-dichloropropane	9.45	63	822945	108.07 ppb	98
28) dibromomethane	9.63	93	255974	119.48 ppb	91
29) bromodichloromethane	9.91	83	815350	109.96 ppb	95
30) 2-chloroethyl vinyl ether	10.43	106	526065	138.09 ppb	97
31) cis-1,3-dichloropropene	10.65	75	950964	116.24 ppb	98

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071205\0712304.D Vial: 4
Acq On : 12 Jul 2005 9:46 am Operator: JTF
Sample : lcs3071105b Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 10:11 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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.92	43	874632	126.14	ppb		99
34)	toluene	11.19	92	2388881	101.51	ppb		98
35)	Iodomethane	4.03	142	1116293	106.27	ppb		92
36)	trans-1,3-dichloropropene	11.58	75	656289	115.88	ppb		99
37)	Vinyl acetate	5.82	86	200841	278.32	ppb		95
38)	Carbon disulfide	4.13	76	3278733	106.16	ppb		98
40)	1,1,2-trichloroethane	11.88	83	308218	113.08	ppb		88
41)	tetrachloroethene	12.11	166	969946	102.82	ppb		98
42)	1,3-dichloropropane	12.16	76	677980	115.12	ppb		100
43)	2-hexanone	12.33	43	746756	119.06	ppb		99
44)	dibromochloromethane	12.54	129	385585	117.06	ppb		96
45)	1,2-dibromoethane	12.72	107	324751	116.47	ppb		97
46)	chlorobenzene	13.58	112	2048569	108.59	ppb		97
47)	1,1,1,2-tetrachloroethane	13.72	131	511183	109.99	ppb		92
48)	bromoform	15.01	173	174536	103.72	ppb		92
50)	bromobenzene	15.84	156	539802	107.37	ppb		95
51)	1,1,2,2-tetrachloroethane	15.88	83	371460	116.94	ppb		91
52)	1,2,3-trichloropropane	16.08	75	32770	122.61	ppb	#	50
54)	ethylbenzene	13.78	91	4503469	109.22	ppb		100
55)	m/p-xylene	13.99	106	3146139	220.60	ppb		97
56)	styrene	14.71	104	1759089	111.53	ppb		100
57)	o-xylene	14.68	106	1328630	109.65	ppb		99
58)	isopropylbenzene	15.34	105	4167456	106.34	ppb		99
59)	n-propyl benzene	16.08	91	5048269	104.09	ppb		99
60)	2-chlorotoluene	16.21	126	677598	107.17	ppb		94
61)	4-chlorotoluene	16.41	126	640674	106.84	ppb		92
62)	1,3,5-trimethylbenzene	16.41	105	2982356	105.24	ppb		99
63)	tert-butylbenzene	16.98	119	2647506	103.11	ppb		96
64)	1,2,4-trimethylbenzene	17.07	105	2663144	104.50	ppb		97
65)	sec-butylbenzene	17.38	105	4392329	101.55	ppb		98
66)	1,3-dichlorobenzene	17.55	146	1038418	106.92	ppb		97
67)	4-isopropyltoluene	17.66	119	3158206	101.25	ppb		98
68)	1,4-dichlorobenzene	17.72	146	965579	106.86	ppb		96
69)	1,2-dichlorobenzene	18.38	146	759308	106.81	ppb		97
70)	n-butylbenzene	18.40	91	3126384	99.28	ppb		96
71)	1,2-dibromo-3-chloropropan	19.80	75	246495	576.47	ppb		85
72)	1,2,4-trichlorobenzene	21.32	180	392657	92.84	ppb		89
73)	hexachlorobutadiene	21.67	225	273456	99.90	ppb		100
74)	naphthalene	21.76	128	494245	118.43	ppb		100
75)	trans-1,4-Dichloro-2-buten	15.99	89	251010	577.52	ppb		91
76)	1,2,3-trichlorobenzene	22.21	180	278111	112.76	ppb		91

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071205\0712304.D
Acq On : 12 Jul 2005 9:46 am
Sample : lcs3071105b
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 12 10:11 2005

Vial: 4
Operator: JTF
Inst : MSD3
Multiplr: 1.00

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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	MTBE	5.05	73	1366414	117.28 ppb	96
78)	DIPE	5.86	45	3224114	112.94 ppb	100

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

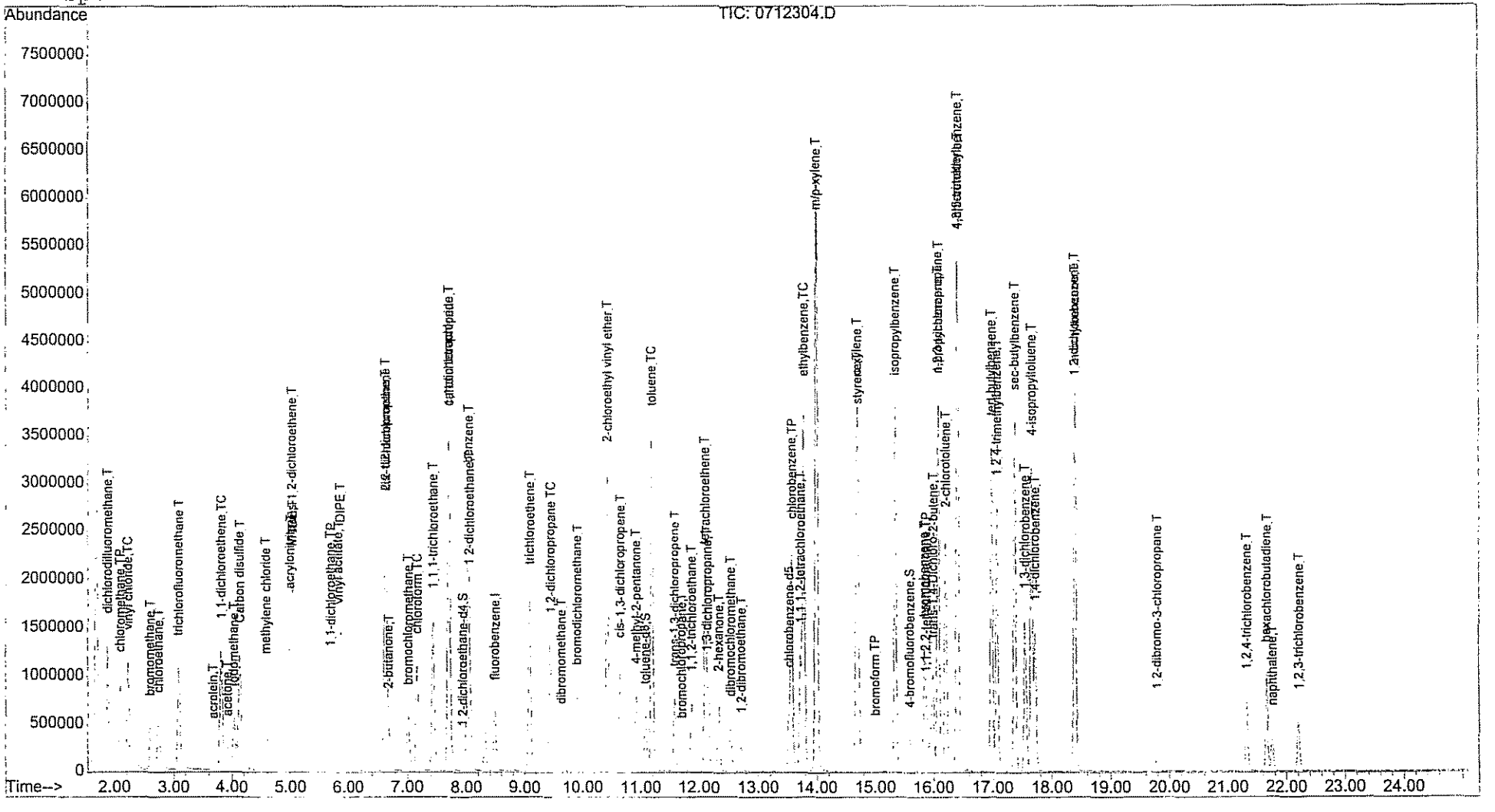
Quantitation Report

Data File : G:\1\DATA\3071205\0712304.D
Acq On : 12 Jul 2005 9:46 am
Sample : lcs3071105b
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 12 10:11 2005

Vial: 4
Operator: JTF
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3071205\0712307.D
Acq On : 12 Jul 2005 11:46 am
Sample : vblk3071205c
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 13 7:20 2005

Vial: 7
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) fluorobenzene	8.49	96	868113	50.00 ppb	0.00
39) bromochloropropane	11.71	79	74182	50.00 ppb	0.00
53) chlorobenzene-d5	13.52	117	525747	50.00 ppb	0.00
System Monitoring Compounds					
23) 1,2-dichloroethane-d4	7.95	65	149449	56.40 ppb	0.00
Spiked Amount 50.000			Recovery	= 112.80%	
33) toluene-d8	11.09	98	602870	48.23 ppb	0.00
Spiked Amount 50.000			Recovery	= 96.46%	
49) 4-bromofluorobenzene	15.60	95	215645	48.78 ppb	0.00
Spiked Amount 50.000			Recovery	= 97.56%	
Target Compounds					Qvalue
11) methylene chloride	4.58	84	1523	Below Cal #	51
32) 4-methyl-2-pentanone	11.09	43	2216	Below Cal #	1
34) toluene	11.18	92	4168	0.18 ppb #	38
46) chlorobenzene	13.58	112	4394	0.64 ppb #	74
54) ethylbenzene	13.78	91	7269	Below Cal #	64
55) m/p-xylene	14.00	106	3687	Below Cal #	44
56) styrene	14.72	104	4332	Below Cal	100
58) isopropylbenzene	15.33	105	1596	Below Cal #	61
59) n-propyl benzene	16.08	91	9310	Below Cal #	55
61) 4-chlorotoluene	16.40	126	658	Below Cal #	1
62) 1,3,5-trimethylbenzene	16.40	105	3897	Below Cal #	57
63) tert-butylbenzene	16.99	119	1429	Below Cal #	14
64) 1,2,4-trimethylbenzene	17.07	105	8748	0.24 ppb	87
66) 1,3-dichlorobenzene	17.57	146	4718	0.23 ppb	99
68) 1,4-dichlorobenzene	17.57	146	4718	0.57 ppb	96
69) 1,2-dichlorobenzene	18.38	146	1541	Below Cal #	35
72) 1,2,4-trichlorobenzene	21.33	180	1974	1.63 ppb	95
74) naphthalene	21.78	128	13252	Below Cal	100
76) 1,2,3-trichlorobenzene	22.20	180	3900	Below Cal #	5

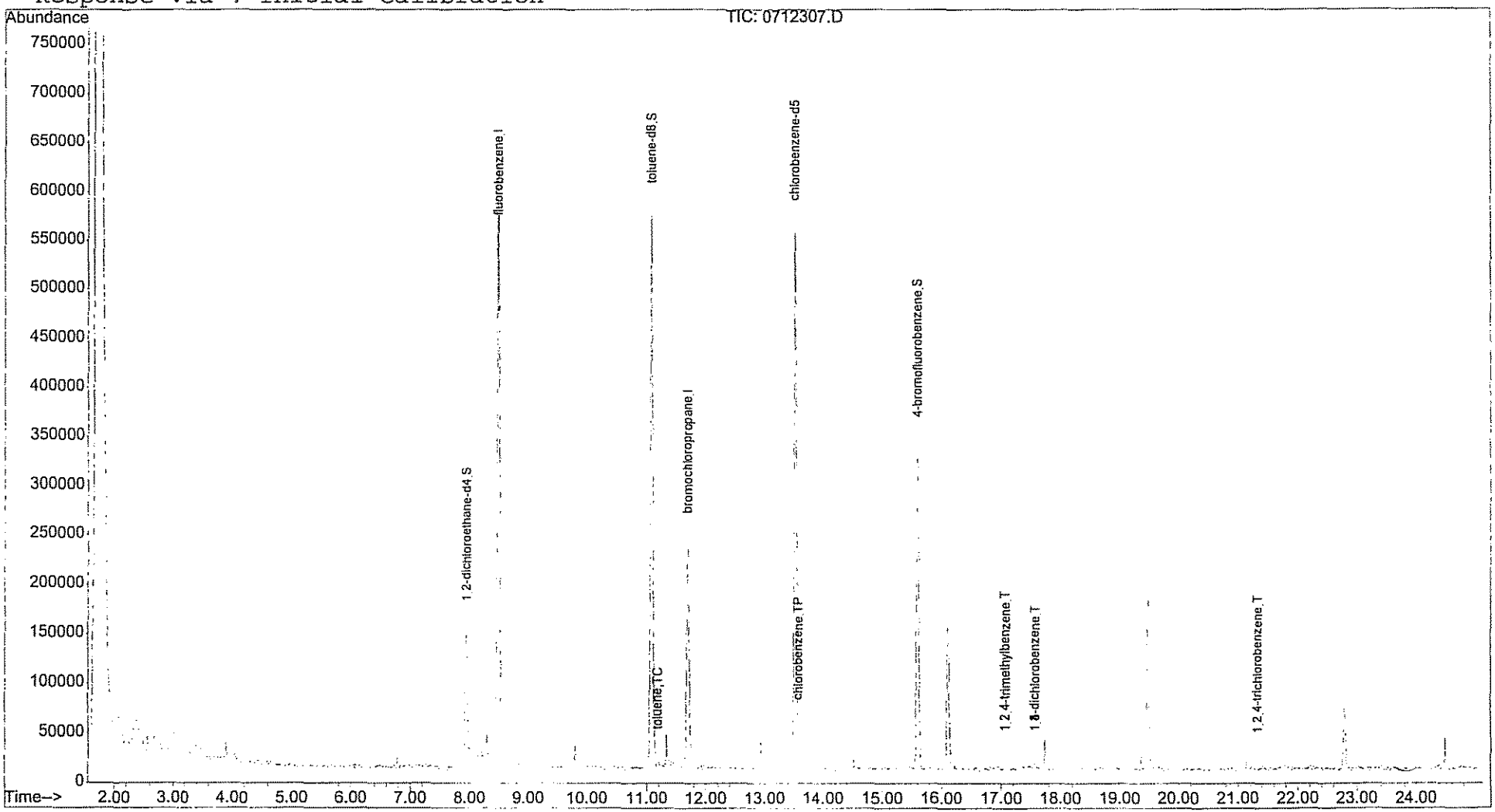
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\1\DATA\3071205\0712307.D
Acq On : 12 Jul 2005 11:46 am
Sample : vblk3071205c
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 13 7:20 2005

Vial: 7
Operator: JTF
Inst : MSD3
Multiplr: 1.00
Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\1\DATA\3071205\0712312.D
Acq On : 12 Jul 2005 2:21 pm
Sample : g161-2048-7a
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 13 7:25 2005

Vial: 12
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.50	96	1173249	50.00	ppb	0.01
39) bromochloropropane	11.72	79	112629	50.00	ppb	0.00
53) chlorobenzene-d5	13.53	117	774422	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.95	65	238755	66.66	ppb	0.00
Spiked Amount 50.000			Recovery	=	133.32%	
33) toluene-d8	11.09	98	857609	50.76	ppb	0.00
Spiked Amount 50.000			Recovery	=	101.52%	
49) 4-bromofluorobenzene	15.60	95	327086	48.74	ppb	0.00
Spiked Amount 50.000			Recovery	=	97.48%	

Target Compounds							Qvalue
7) trichlorofluoromethane	3.11	101	3467	0.19	ppb	#	19
10) acetone	3.94	43	40023	8.51	ppb	#	88
11) methylene chloride	4.60	84	15160	Below Cal			81
13) acrylonitrile	5.02	53	710	0.56	ppb		92
17) 2-butanone	6.71	43	22432	4.05	ppb	#	81
24) benzene	8.04	78	72776	1.41	ppb		99
32) 4-methyl-2-pentanone	10.93	43	629	Below Cal		#	42
34) toluene	11.20	92	40708	1.28	ppb		96
36) trans-1,3-dichloropropene	11.72	75	2845	0.34	ppb	#	48
38) Carbon disulfide	4.16	76	3176	0.08	ppb	#	1
52) 1,2,3-trichloropropane	16.09	75	761	Below Cal		#	1
54) ethylbenzene	13.79	91	19560	Below Cal			92
55) m/p-xylene	13.99	106	22893	Below Cal			89
56) styrene	14.71	104	1517	Below Cal			100
57) o-xylene	14.68	106	12686	Below Cal			80
58) isopropylbenzene	15.34	105	1620	Below Cal		#	51
59) n-propyl benzene	16.07	91	6034	Below Cal		#	55
62) 1,3,5-trimethylbenzene	16.40	105	7229	Below Cal			99
64) 1,2,4-trimethylbenzene	17.08	105	22085	0.49	ppb	#	82
65) sec-butylbenzene	17.08	105	22085	0.32	ppb	#	63
66) 1,3-dichlorobenzene	17.56	146	598	Below Cal		#	24
68) 1,4-dichlorobenzene	17.73	146	917	0.11	ppb	#	23
74) naphthalene	21.77	128	9549	Below Cal			100
77) MTBE	5.05	73	2675	0.16	ppb	#	1
78) DIPE	5.88	45	680	0.02	ppb	#	33

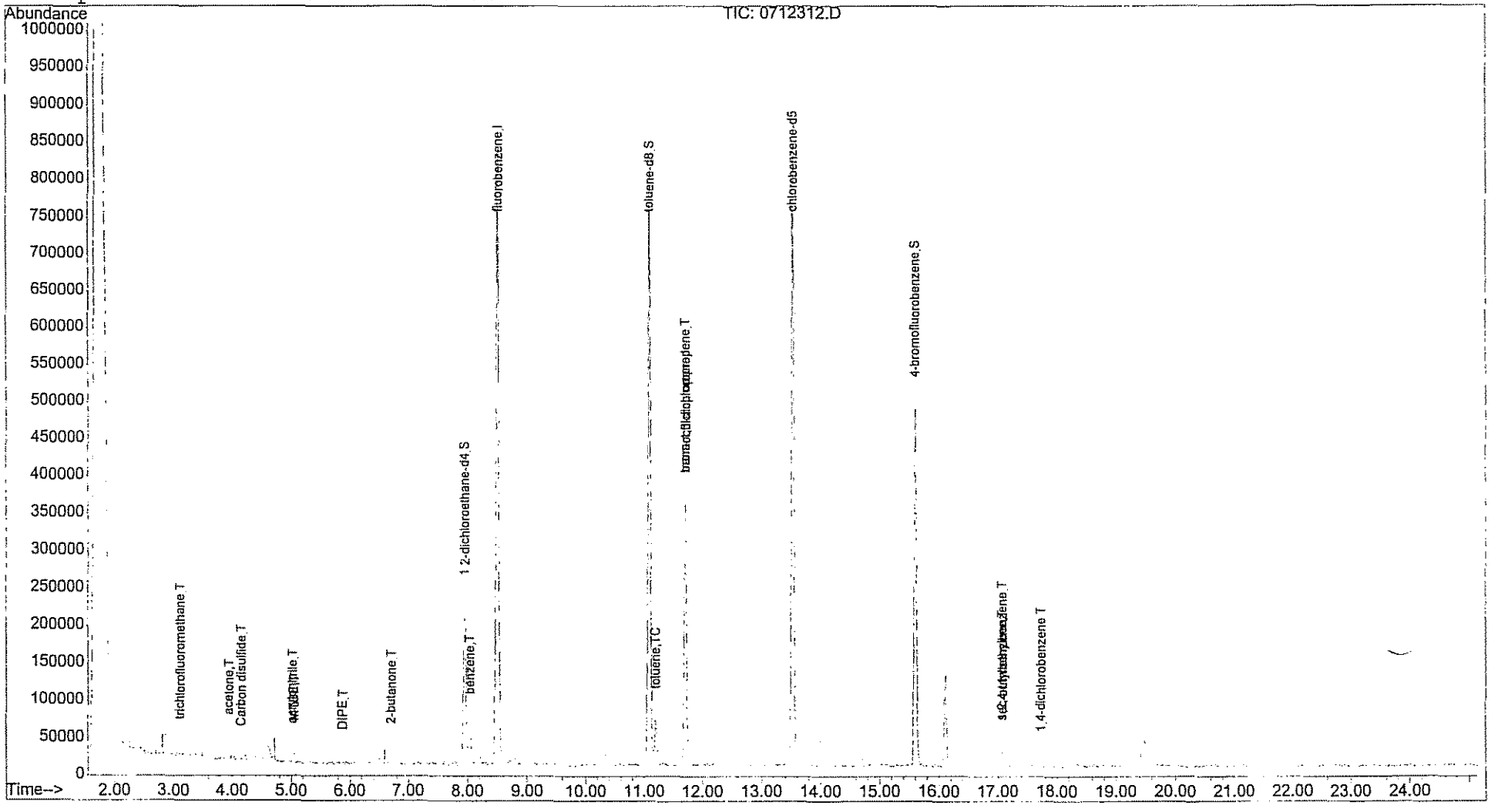
(#) = qualifier out of range (m) = manual integration

Data File : G:\1\DATA\3071205\0712312.D
Acq On : 12 Jul 2005 2:21 pm
Sample : g161-2048-7a
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 13 7:25 2005

Vial: 12
Operator: JTF
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071205\0712321.D Vial: 21
Acq On : 12 Jul 2005 7:03 pm Operator: JTF
Sample : g161-2048-7b ms Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 19:29 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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.51	96	1049085	50.00	ppb	0.02
39) bromochloropropane	11.72	79	91501	50.00	ppb	0.00
53) chlorobenzene-d5	13.54	117	673458	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.96	65	152514	47.62	ppb	0.00
Spiked Amount 50.000			Recovery = 95.24%			
33) toluene-d8	11.10	98	758178	50.19	ppb	0.00
Spiked Amount 50.000			Recovery = 100.38%			
49) 4-bromofluorobenzene	15.61	95	281431	51.62	ppb	0.00
Spiked Amount 50.000			Recovery = 103.24%			

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.91	85	1934433	101.77	ppb		99
3) chloromethane	2.12	50	1623807	103.50	ppb		97
4) vinyl chloride	2.25	62	1782883	101.86	ppb		99
5) bromomethane	2.62	94	392524	64.95	ppb		94
6) chloroethane	2.77	64	1041562	141.75	ppb		96
7) trichlorofluoromethane	3.13	101	1980062	124.53	ppb		94
8) acrolein	3.70	56	629383	1820.49	ppb		100
9) 1,1-dichloroethene	3.86	96	1300807	125.75	ppb		93
10) acetone	3.95	43	517525	142.01	ppb	#	88
11) methylene chloride	4.62	84	868995	110.20	ppb		97
12) trans-1,2-dichloroethene	5.06	96	1254431	103.81	ppb		95
13) acrylonitrile	5.01	53	1328366	1163.20	ppb		100
14) 1,1-dichloroethane	5.72	63	2078476	104.99	ppb		97
15) 2,2-dichloropropane	6.65	77	1718767	94.72	ppb		97
16) cis-1,2-dichloroethene	6.66	96	1052265	103.62	ppb		96
17) 2-butanone	6.69	43	640502	113.68	ppb		95
18) bromochloromethane	7.03	128	237691	89.68	ppb		95
19) chloroform	7.19	83	1644935	101.95	ppb		98
20) 1,1,1-trichloroethane	7.46	97	1808563	102.86	ppb		97
21) carbon tetrachloride	7.72	117	1618129	100.58	ppb		93
22) 1,1-dichloropropene	7.72	75	1883543	104.41	ppb		96
24) benzene	8.05	78	4656024	101.24	ppb		99
25) 1,2-dichloroethane	8.08	62	721178	103.58	ppb		98
26) trichloroethene	9.10	95	1255121	103.38	ppb		95
27) 1,2-dichloropropane	9.46	63	933205	101.26	ppb	#	98
28) dibromomethane	9.65	93	266360	102.71	ppb		94
29) bromodichloromethane	9.92	83	884755	98.59	ppb		95
30) 2-chloroethyl vinyl ether	10.43	106	371422	80.56	ppb		98
31) cis-1,3-dichloropropene	10.66	75	1060688	107.08	ppb		97

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071205\0712321.D
Acq On : 12 Jul 2005 7:03 pm
Sample : g161-2048-7b ms
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 12 19:29 2005

Vial: 21
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.93	43	959792	114.24	ppb		98
34)	toluene	11.21	92	2854961	100.24	ppb		96
35)	Iodomethane	4.08	142	1357295	106.77	ppb		98
36)	trans-1,3-dichloropropene	11.60	75	716766	104.57	ppb		96
37)	Vinyl acetate	5.83	86	195060	223.36	ppb		64
38)	Carbon disulfide	4.19	76	4721408	126.32	ppb		98
40)	1,1,2-trichloroethane	11.89	83	355618	106.93	ppb		89
41)	tetrachloroethene	12.12	166	1189386	103.32	ppb		98
42)	1,3-dichloropropane	12.17	76	758479	105.58	ppb		95
43)	2-hexanone	12.34	43	803253	105.12	ppb		99
44)	dibromochloromethane	12.55	129	424720	105.76	ppb		100
45)	1,2-dibromoethane	12.73	107	354190	104.23	ppb		98
46)	chlorobenzene	13.58	112	2415073	104.92	ppb		98
47)	1,1,1,2-tetrachloroethane	13.74	131	592761	104.51	ppb		94
48)	bromoform	15.02	173	213843	104.11	ppb		97
50)	bromobenzene	15.86	156	631965	103.05	ppb		96
51)	1,1,2,2-tetrachloroethane	15.90	83	403423	104.22	ppb		96
52)	1,2,3-trichloropropane	16.09	75	38971	119.38	ppb		87
54)	ethylbenzene	13.80	91	5382826	103.34	ppb		100
55)	m/p-xylene	14.00	106	3804164	211.13	ppb		99
56)	styrene	14.71	104	2067977	103.77	ppb		100
57)	o-xylene	14.69	106	1614403	105.46	ppb		98
58)	isopropylbenzene	15.35	105	5125675	103.56	ppb		99
59)	n-propyl benzene	16.08	91	6295850	102.81	ppb		99
60)	2-chlorotoluene	16.22	126	841571	105.41	ppb		98
61)	4-chlorotoluene	16.42	126	781094	103.13	ppb		96
62)	1,3,5-trimethylbenzene	16.42	105	3670674	102.58	ppb		100
63)	tert-butylbenzene	16.99	119	3380941	104.30	ppb		99
64)	1,2,4-trimethylbenzene	17.08	105	3293905	102.37	ppb		97
65)	sec-butylbenzene	17.38	105	5634806	103.18	ppb		99
66)	1,3-dichlorobenzene	17.56	146	1256040	102.42	ppb		99
67)	4-isopropyltoluene	17.66	119	4088417	103.81	ppb		99
68)	1,4-dichlorobenzene	17.72	146	1166741	102.27	ppb		99
69)	1,2-dichlorobenzene	18.39	146	924600	102.99	ppb		97
70)	n-butylbenzene	18.41	91	3961454	99.63	ppb		97
71)	1,2-dibromo-3-chloropropan	19.81	75	267628	495.79	ppb	#	89
72)	1,2,4-trichlorobenzene	21.34	180	490069	91.79	ppb		94
73)	hexachlorobutadiene	21.67	225	379734	109.87	ppb		96
74)	naphthalene	21.76	128	530368	99.57	ppb		100
75)	trans-1,4-Dichloro-2-buten	15.99	89	275711	502.98	ppb		99
76)	1,2,3-trichlorobenzene	22.21	180	357764	115.00	ppb		89

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071205\0712321.D Vial: 21
Acq On : 12 Jul 2005 7:03 pm Operator: JTF
Sample : g161-2048-7b ms Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 19:29 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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.07	73	1628040	110.67 ppb	97
78) DIPE	5.87	45	4394341	121.92 ppb	96

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

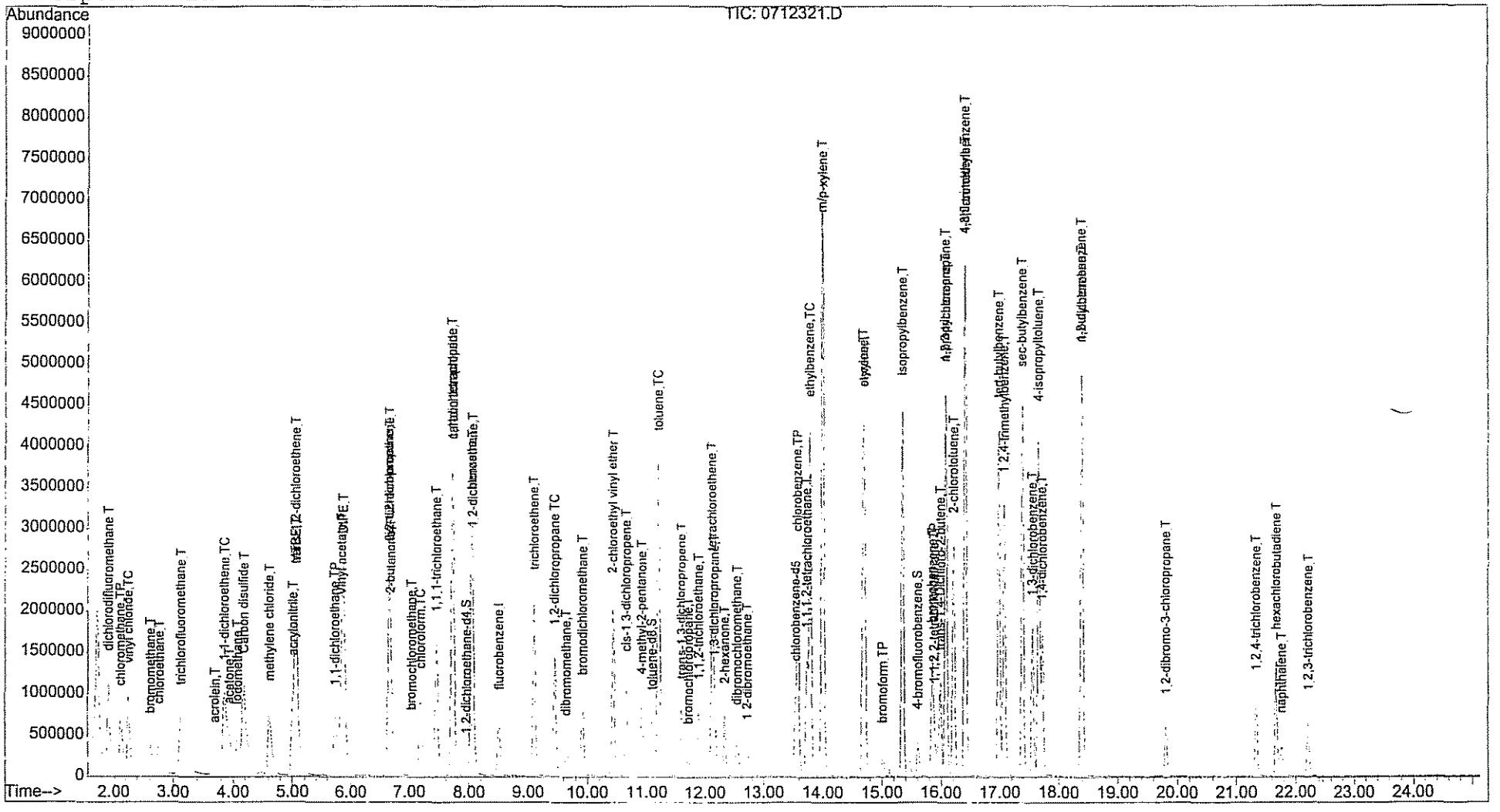
Quantitation Report

Data File : G:\1\DATA\3071205\0712321.D
Acq On : 12 Jul 2005 7:03 pm
Sample : g161-2048-7b ms
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 12 19:29 2005

Vial: 21
Operator: JTF
Inst : MSD3
Multiplr: 1.00

Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071205\0712322.D Vial: 22
Acq On : 12 Jul 2005 7:35 pm Operator: JTF
Sample : g161-2048-7c msd Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 20:00 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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	8.52	96	942331	50.00	ppb		0.02
39) bromochloropropane	11.72	79	79876	50.00	ppb		0.00
53) chlorobenzene-d5	13.53	117	574040	50.00	ppb		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane-d4	7.96	65	142147	49.42	ppb		0.01
Spiked Amount 50.000			Recovery = 98.84%				
33) toluene-d8	11.10	98	660921	48.71	ppb		0.01
Spiked Amount 50.000			Recovery = 97.42%				
49) 4-bromofluorobenzene	15.60	95	217476	45.69	ppb		0.00
Spiked Amount 50.000			Recovery = 91.38%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.91	85	1916284	112.28	ppb		98
3) chloromethane	2.12	50	1675318	118.66	ppb		99
4) vinyl chloride	2.26	62	1827377	116.20	ppb		100
5) bromomethane	2.63	94	434487	80.04	ppb		96
6) chloroethane	2.77	64	1051110	159.66	ppb		99
7) trichlorofluoromethane	3.13	101	2004528	140.35	ppb		95
8) acrolein	3.71	56	598802	1928.25	ppb		97
9) 1,1-dichloroethene	3.86	96	1302502	140.18	ppb		94
10) acetone	3.94	43	473937	144.81	ppb	#	87
11) methylene chloride	4.62	84	872004	123.76	ppb		95
12) trans-1,2-dichloroethene	5.07	96	1267313	116.76	ppb		94
13) acrylonitrile	5.01	53	1269473	1237.56	ppb		100
14) 1,1-dichloroethane	5.74	63	2105670	118.42	ppb		94
15) 2,2-dichloropropane	6.65	77	1685764	103.42	ppb		94
16) cis-1,2-dichloroethene	6.66	96	1054245	115.57	ppb		97
17) 2-butanone	6.69	43	579919	114.58	ppb		93
18) bromochloromethane	7.05	128	238504	100.18	ppb		90
19) chloroform	7.20	83	1630991	112.54	ppb		95
20) 1,1,1-trichloroethane	7.46	97	1798719	113.89	ppb		98
21) carbon tetrachloride	7.73	117	1589550	110.00	ppb		97
22) 1,1-dichloropropene	7.73	75	1875027	115.71	ppb		98
24) benzene	8.05	78	4597048	111.28	ppb		100
25) 1,2-dichloroethane	8.08	62	693649	110.91	ppb		99
26) trichloroethene	9.11	95	1231056	112.88	ppb		96
27) 1,2-dichloropropane	9.46	63	922590	111.45	ppb		98
28) dibromomethane	9.65	93	255974	109.90	ppb		87
29) bromodichloromethane	9.92	83	862963	107.06	ppb		99
30) 2-chloroethyl vinyl ether	10.44	106	331468	80.04	ppb		99
31) cis-1,3-dichloropropene	10.66	75	1012567	113.84	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071205\0712322.D
Acq On : 12 Jul 2005 7:35 pm
Sample : g161-2048-7c msd
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 12 20:00 2005

Vial: 22
Operator: JTF
Inst : MSD3
Multiplr: 1.00
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 : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32) 4-methyl-2-pentanone	10.93	43	870989	115.43 ppb		99
34) toluene	11.21	92	2774699	108.46 ppb		99
35) Iodomethane	4.08	142	1338068	117.18 ppb		100
36) trans-1,3-dichloropropene	11.59	75	671649	109.09 ppb		99
37) Vinyl acetate	5.84	86	191506	244.13 ppb		89
38) Carbon disulfide	4.19	76	4717273	140.51 ppb		98
40) 1,1,2-trichloroethane	11.90	83	332781	114.60 ppb		89
41) tetrachloroethene	12.12	166	1134506	112.89 ppb		99
42) 1,3-dichloropropane	12.17	76	704909	112.36 ppb		97
43) 2-hexanone	12.34	43	675598	101.34 ppb		98
44) dibromochloromethane	12.55	129	394433	112.45 ppb		98
45) 1,2-dibromoethane	12.73	107	329921	111.13 ppb	#	99
46) chlorobenzene	13.58	112	2280065	113.44 ppb		98
47) 1,1,1,2-tetrachloroethane	13.74	131	569181	114.96 ppb		94
48) bromoform	15.01	173	187331	104.45 ppb		100
50) bromobenzene	15.86	156	558986	104.40 ppb		95
51) 1,1,2,2-tetrachloroethane	15.90	83	351597	104.05 ppb		92
52) 1,2,3-trichloropropane	16.09	75	32804	114.97 ppb		85
54) ethylbenzene	13.79	91	5020740	113.19 ppb		99
55) m/p-xylene	14.01	106	3548731	231.37 ppb		99
56) styrene	14.72	104	1909105	112.49 ppb		100
57) o-xylene	14.69	106	1487475	114.14 ppb		98
58) isopropylbenzene	15.35	105	4680138	111.02 ppb		99
59) n-propyl benzene	16.09	91	5447927	104.38 ppb		100
60) 2-chlorotoluene	16.22	126	734650	107.97 ppb		98
61) 4-chlorotoluene	16.41	126	674680	104.52 ppb		95
62) 1,3,5-trimethylbenzene	16.41	105	3162592	103.69 ppb		100
63) tert-butylbenzene	16.98	119	2871834	103.93 ppb		98
64) 1,2,4-trimethylbenzene	17.08	105	2755050	100.45 ppb		99
65) sec-butylbenzene	17.39	105	4704343	101.06 ppb		98
66) 1,3-dichlorobenzene	17.57	146	1027238	98.26 ppb		99
67) 4-isopropyltoluene	17.66	119	3189532	95.02 ppb		99
68) 1,4-dichlorobenzene	17.72	146	903469	92.91 ppb		98
69) 1,2-dichlorobenzene	18.38	146	735686	96.11 ppb		95
70) n-butylbenzene	18.40	91	2999584	88.69 ppb		95
71) 1,2-dibromo-3-chloropropan	19.80	75	197399	429.09 ppb		95
72) 1,2,4-trichlorobenzene	21.33	180	280168	61.94 ppb		87
73) hexachlorobutadiene	21.68	225	208377	70.73 ppb		96
74) naphthalene	21.77	128	342452	73.67 ppb		100
75) trans-1,4-Dichloro-2-buten	16.00	89	227930	487.95 ppb		100
76) 1,2,3-trichlorobenzene	22.22	180	199297	73.17 ppb		97

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

Quantitation Report (Not Reviewed)

Data File : G:\1\DATA\3071205\0712322.D Vial: 22
Acq On : 12 Jul 2005 7:35 pm Operator: JTF
Sample : g161-2048-7c msd Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 20:00 2005 Quant Results File: 8260SSC.RES

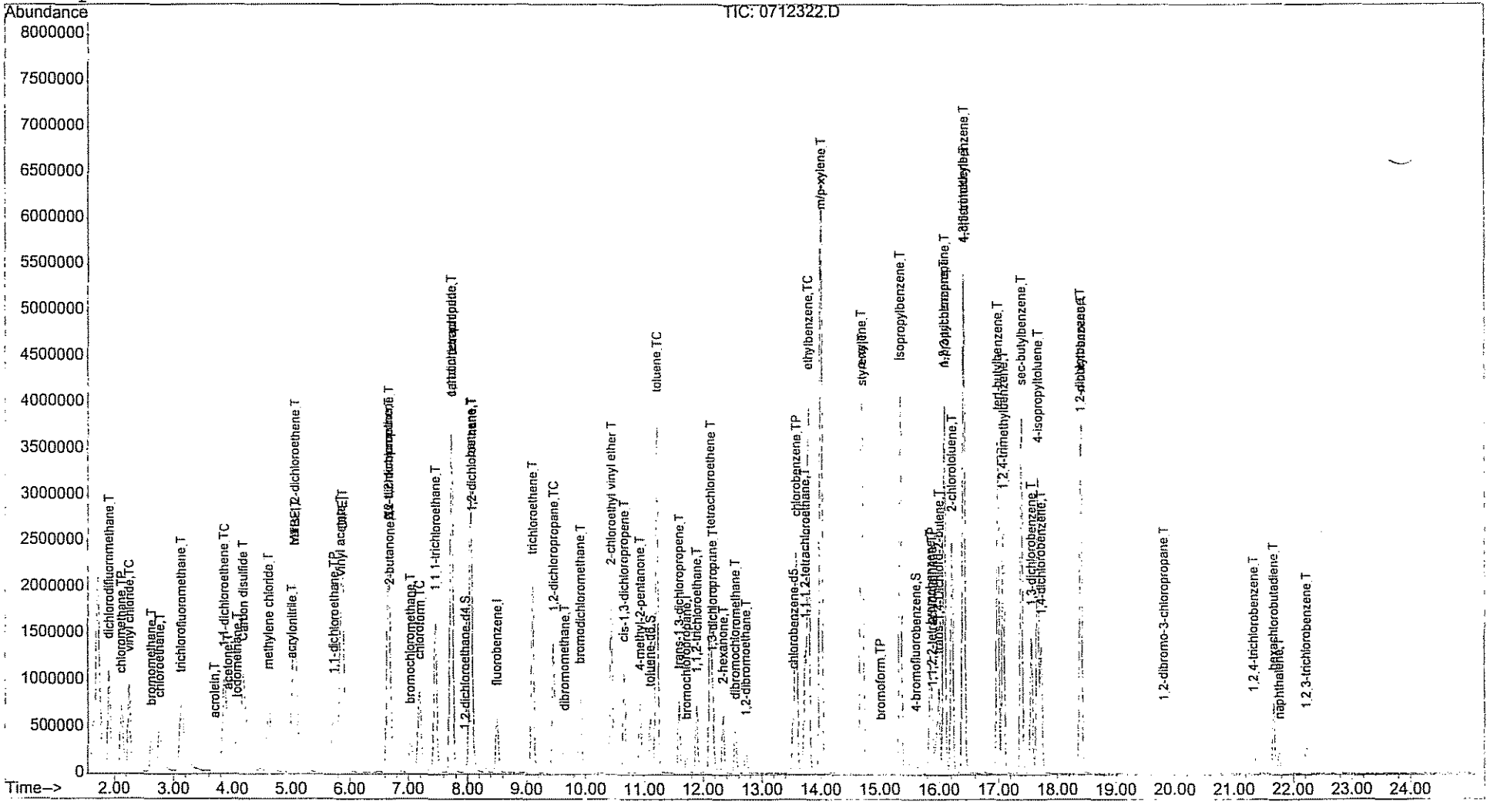
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	5.08	73	1469916	117.23 ppb	97
78) DIPE	5.87	45	3944539	128.39 ppb	99

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

Data File : G:\1\DATA\3071205\0712322.D Vial: 22
Acq On : 12 Jul 2005 7:35 pm Operator: JTF
Sample : g161-2048-7c msd Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 20:00 2005 Quant Results File: 8260SSC.RES

Method : G:\1\DATA\3071205\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Mon Jul 11 16:20:18 2005
Response via : Initial Calibration



8270-BN Sample Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708611.D Vial: 11
Acq On : 8 Jul 2005 7:38 pm Operator: MRC
Sample : G161-2047-1H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:28 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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

MMC 07.12.05 (8)

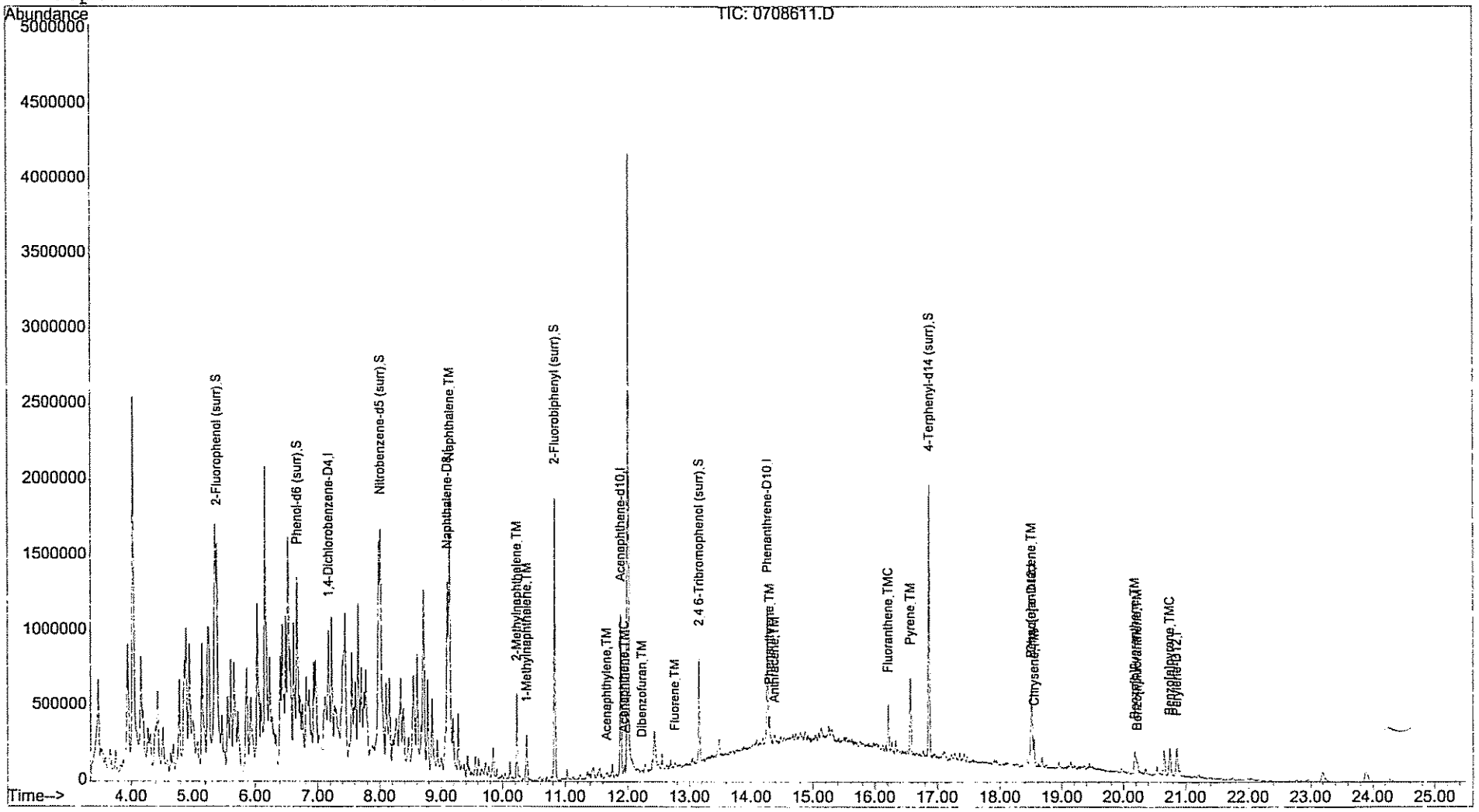
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.18	152	149019	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	567524	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.89	164	325439	4.00	ug/mL	-0.04
55) Phenanthrene-D10	14.27	188	483171	4.00	ug/mL	-0.04
85) Chrysene-D12	18.51	240	265542	4.00	ug/mL	-0.05
93) Perylene-D12	20.86	264	170214	4.00	ug/mL	-0.06
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.39	112	387663	10.24	ug/mL	-0.01
Spiked Amount 10.000			Recovery = 102.40%			
17) Phenol-d6 (surr)	6.67	99	598432	10.12	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 101.20%			
32) Nitrobenzene-d5 (surr)	8.01	128	215648	10.72	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 107.20%			
53) 2-Fluorobiphenyl (surr)	10.83	172	836351	9.17	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 91.70%			
54) 2,4,6-Tribromophenol (surr	13.16	330	87537	9.18	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 91.80%			
92) 4-Terphenyl-d14 (surr)	16.87	244	740791	11.16	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 111.60%			
Target Compounds						Qvalue
27) Naphthalene	9.14	128	1136336	9.19	ug/mL	100
31) 2-Methylnaphthalene	10.23	142	222554	2.52	ug/mL	97
40) 1-Methylnaphthalene	10.38	142	112043	1.40	ug/mL	97
42) Acenaphthylene	11.66	152	28354	0.27	ug/mL#	94
44) Acenaphthene	11.94	153	4957	0.07	ug/mL	95
47) Dibenzofuran	12.22	168	8078	0.07	ug/mL	92
49) Fluorene	12.77	166	6613	0.08	ug/mL#	88
61) Phenanthrene	14.30	178	97955	0.82	ug/mL#	95
63) Anthracene	14.38	178	34117	0.31	ug/mL#	85
66) Fluoranthene	16.22	202	191072	1.52	ug/mL	98
86) Pyrene	16.57	202	308733	3.10	ug/mL	99
88) Benzo[a]anthracene	18.50	228	107950	1.51	ug/mL	96
90) Chrysene	18.55	228	127838	1.83	ug/mL	97
95) Benzo[b]fluoranthene	20.19	252	159715	3.10	ug/mL#	96
96) Benzo[k]fluoranthene	20.23	252	55745m	0.96	ug/mL	
97) Benzo[a]pyrene	20.75	252	164120	4.01	ug/mL	96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6070805\0708611.D Vial: 11
Acq On : 8 Jul 2005 7:38 pm Operator: MRC
Sample : G161-2047-1H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:28 2005 Quant Results File: 8270.RES

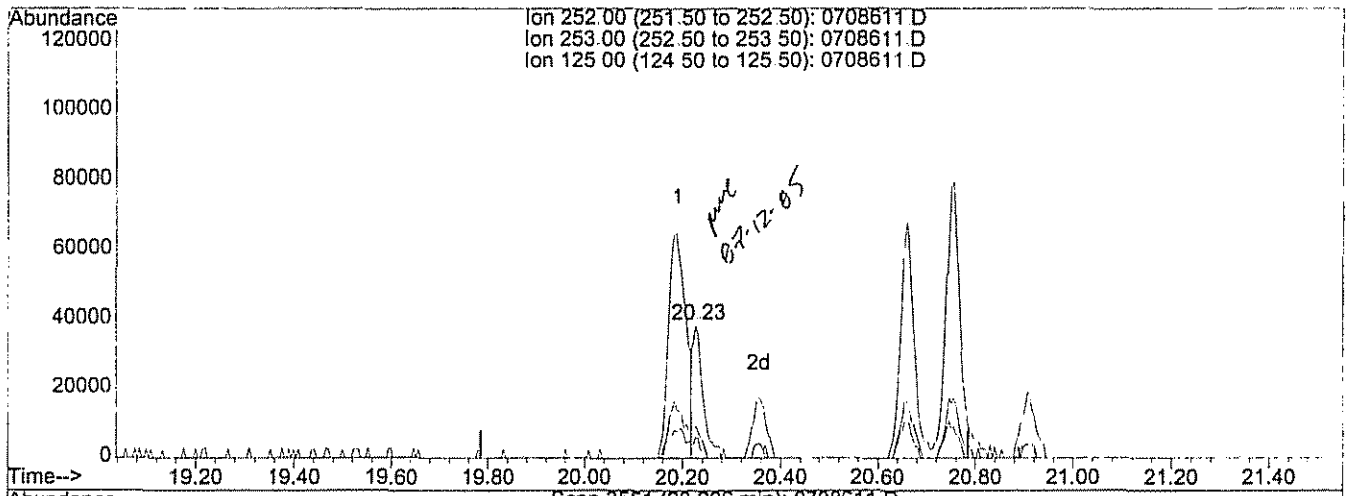
Method : C:\HPCHEM\1\DATA\6071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration

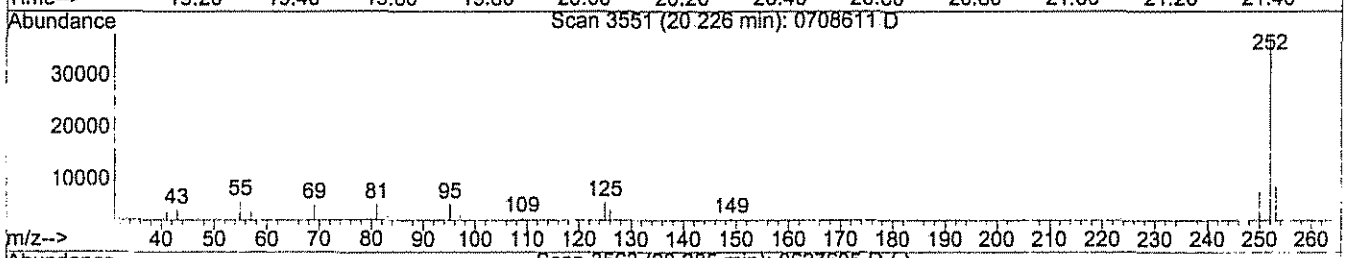


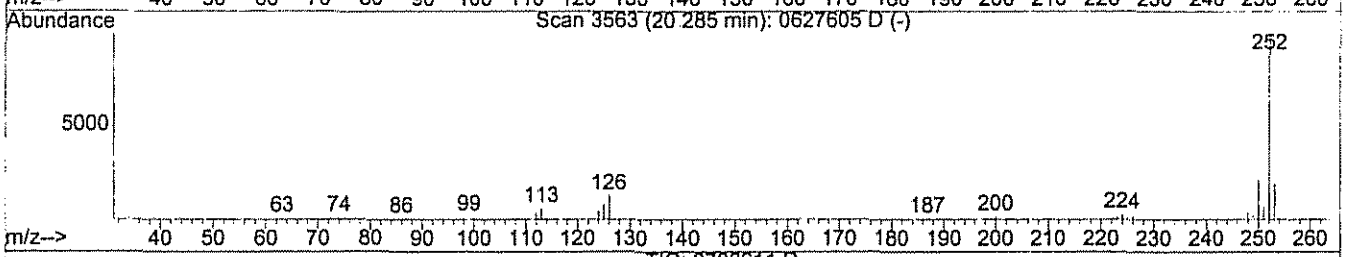
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6070805\0708611.D Vial: 11
Acq On : 8 Jul 2005 7:38 pm Operator: MRC
Sample : G161-2047-1H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:28 2005 Quant Results File: temp.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 : Multiple Level Calibration







TIC: 0708611.D

(96) Benzo[k]fluoranthene (TM)

20.23min 0.96ug/mL m

response 55745

Ion	Exp%	Act%
252.00	100	100
253.00	20.40	24.48#
125.00	9.20	15.69#
0.00	0.00	0.00

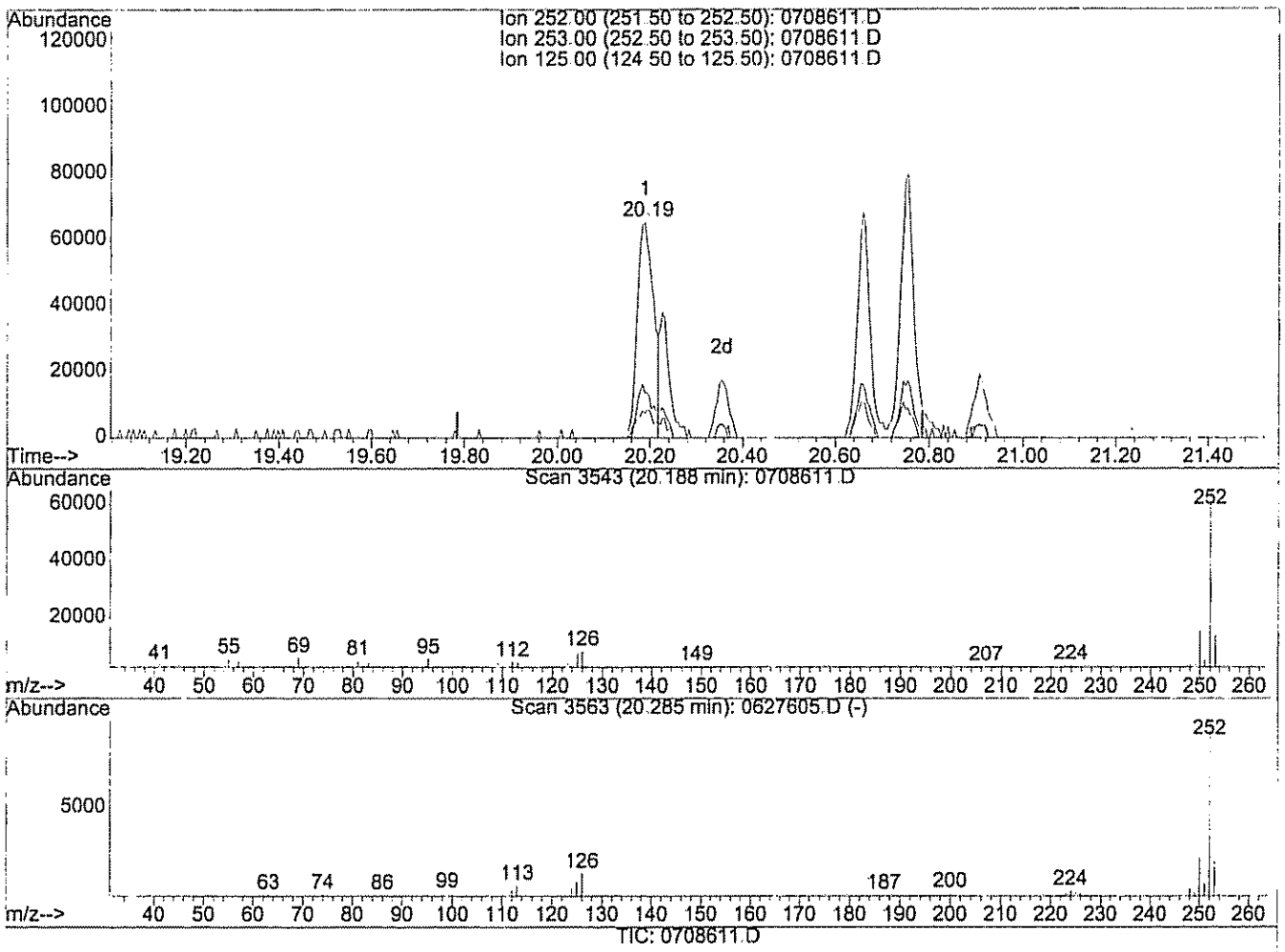
0708611.D 8270.M Tue Jul 12 11:28:04 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6070805\0708611.D
Acq On : 8 Jul 2005 7:38 pm
Sample : G161-2047-1H x1
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:27 2005

Vial: 11
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: temp.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 : Multiple Level Calibration



(96) Benzo[k]fluoranthene (TM)

20.19min 2.76ug/mL

response 159715

Ion	Exp%	Act%
252.00	100	100
253.00	20.40	21.33
125.00	9.20	11.48#
0.00	0.00	0.00

0708611.D 8270.M Tue Jul 12 11:27:58 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708612.D Vial: 12
Acq On : 8 Jul 2005 8:12 pm Operator: MRC
Sample : G161-2047-2H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:28 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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 07-12-05

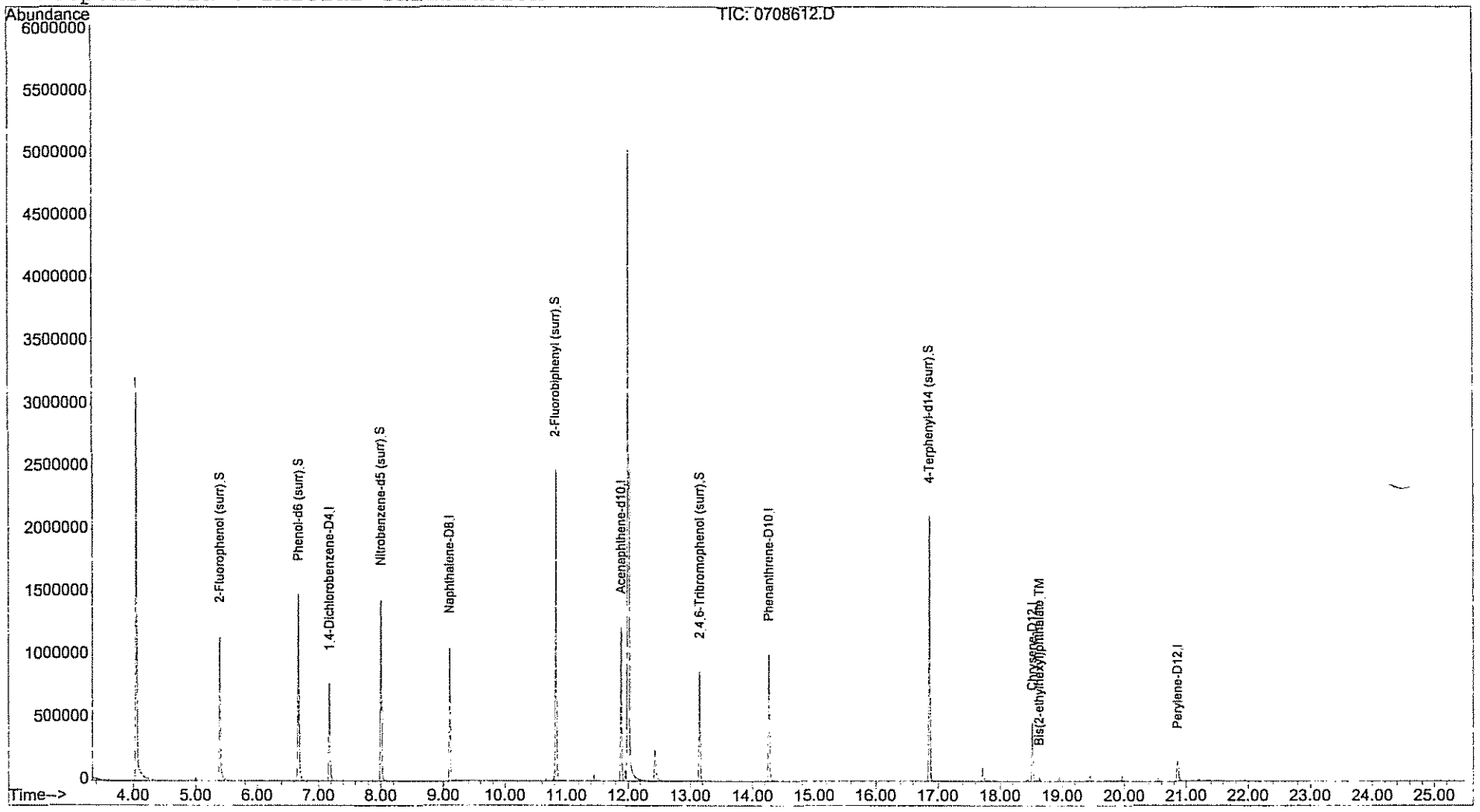
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.18	152	183540	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	719520	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.89	164	404974	4.00	ug/mL	-0.04
55) Phenanthrene-D10	14.26	188	627952	4.00	ug/mL	-0.05
85) Chrysene-D12	18.51	240	287277	4.00	ug/mL	-0.05
93) Perylene-D12	20.85	264	160182	4.00	ug/mL	-0.07
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.39	112	466307	10.00	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	100.00%	
17) Phenol-d6 (surr)	6.67	99	744461	10.22	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	102.20%	
32) Nitrobenzene-d5 (surr)	8.00	128	263861	10.34	ug/mL	-0.04
Spiked Amount 10.000			Recovery	=	103.40%	
53) 2-Fluorobiphenyl (surr)	10.83	172	1144535	10.09	ug/mL	-0.04
Spiked Amount 10.000			Recovery	=	100.90%	
54) 2,4,6-Tribromophenol (surr	13.15	330	126184	10.64	ug/mL	-0.04
Spiked Amount 10.000			Recovery	=	106.40%	
92) 4-Terphenyl-d14 (surr)	16.86	244	966866	13.46	ug/mL	-0.04
Spiked Amount 10.000			Recovery	=	134.60%	
Target Compounds						Qvalue
91) Bis(2-ethylhexyl)phthalate	18.63	149	15375	0.23	ug/mL#	89

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6070805\0708612.D Vial: 12
Acq On : 8 Jul 2005 8:12 pm Operator: MRC
Sample : G161-2047-2H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:28 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708613.D Vial: 13
Acq On : 8 Jul 2005 8:46 pm Operator: MRC
Sample : G161-2047-3H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:29 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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 07.12.05

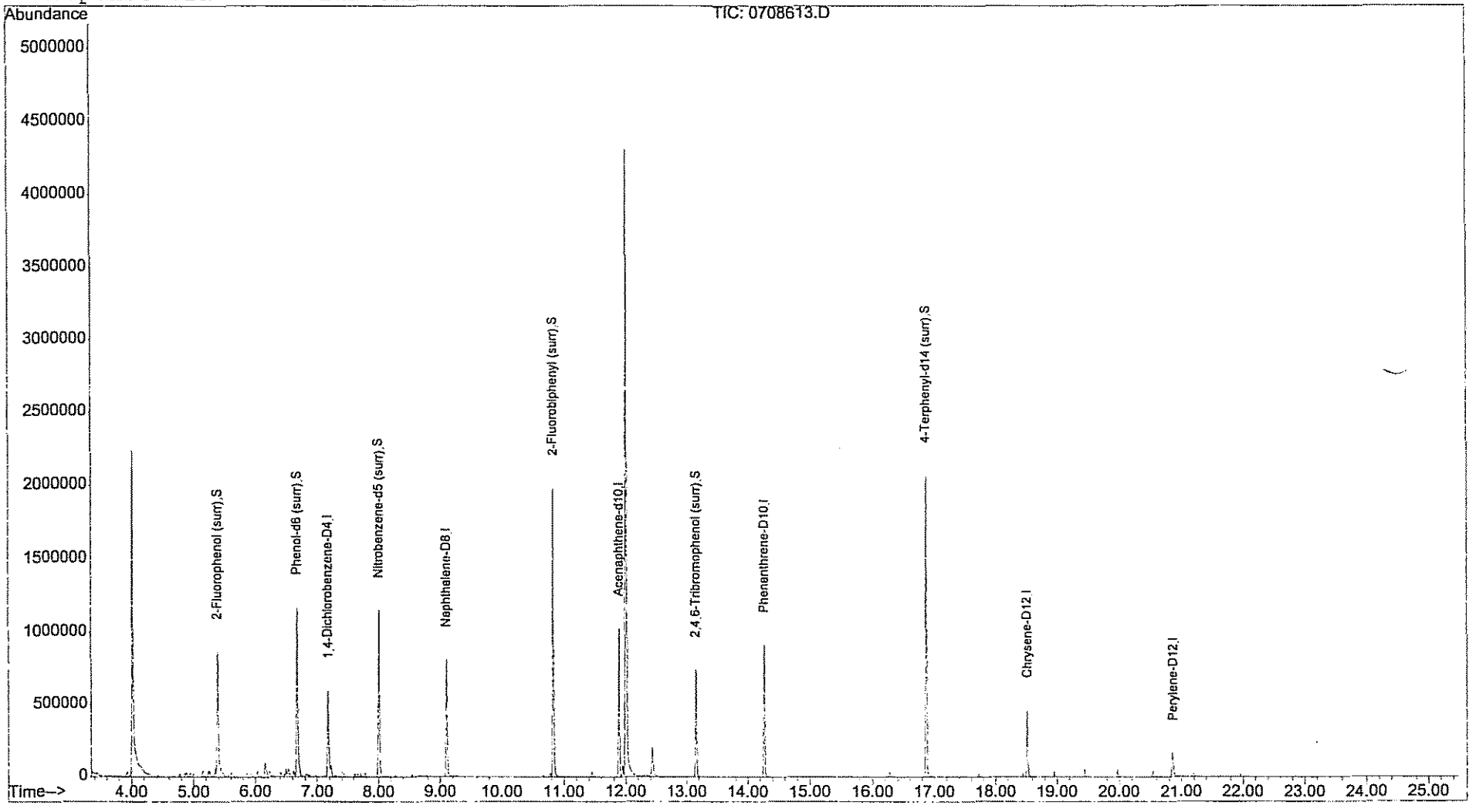
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.17	152	150877	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	595152	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.89	164	341331	4.00	ug/mL	-0.04
55) Phenanthrene-D10	14.26	188	535106	4.00	ug/mL	-0.05
85) Chrysene-D12	18.51	240	283890	4.00	ug/mL	-0.05
93) Perylene-D12	20.86	264	166657	4.00	ug/mL	-0.07
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.39	112	402017	10.48	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 104.80%			
17) Phenol-d6 (surr)	6.67	99	625186	10.44	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 104.40%			
32) Nitrobenzene-d5 (surr)	8.01	128	212521	10.07	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 100.70%			
53) 2-Fluorobiphenyl (surr)	10.83	172	954678	9.98	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 99.80%			
54) 2,4,6-Tribromophenol (surr	13.16	330	108769	10.88	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 108.80%			
92) 4-Terphenyl-d14 (surr)	16.87	244	931494	13.12	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 131.20%			

Target Compounds Qvalue

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

Data File : C:\HPCHEM\1\DATA\6070805\0708613.D Vial: 13
Acq On : 8 Jul 2005 8:46 pm Operator: MRC
Sample : G161-2047-3H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:29 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708614.D Vial: 14
Acq On : 8 Jul 2005 9:22 pm Operator: MRC
Sample : G161-2047-4H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:29 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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

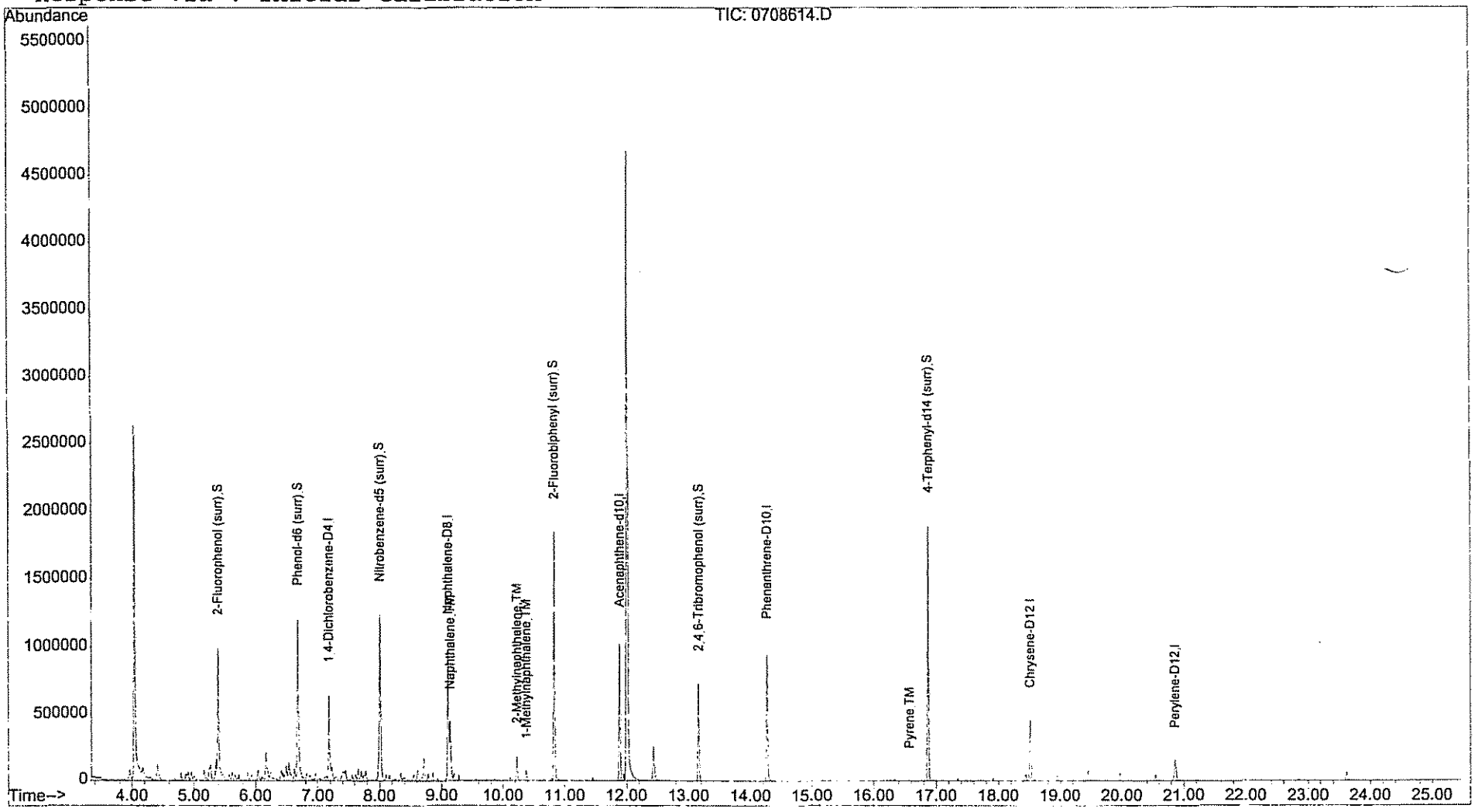
MMC 07.12.05 (1)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.18	152	158647	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	624047	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.89	164	353572	4.00	ug/mL	-0.04
55) Phenanthrene-D10	14.27	188	559920	4.00	ug/mL	-0.05
85) Chrysene-D12	18.51	240	288365	4.00	ug/mL	-0.05
93) Perylene-D12	20.86	264	163974	4.00	ug/mL	-0.07
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.40	112	423403	10.50	ug/mL	0.00
Spiked Amount 10.000			Recovery = 105.00%			
17) Phenol-d6 (surr)	6.68	99	649626	10.32	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 103.20%			
32) Nitrobenzene-d5 (surr)	8.01	128	219154	9.90	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 99.00%			
53) 2-Fluorobiphenyl (surr)	10.83	172	882393	8.91	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 89.10%			
54) 2,4,6-Tribromophenol (surr	13.16	330	104383	10.08	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 100.80%			
92) 4-Terphenyl-d14 (surr)	16.87	244	876160	12.15	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 121.50%			
Target Compounds						Qvalue
27) Naphthalene	9.14	128	304539	2.24	ug/mL	98
31) 2-Methylnaphthalene	10.23	142	89769	0.92	ug/mL	97
40) 1-Methylnaphthalene	10.39	142	37792	0.44	ug/mL	98
86) Pyrene	16.57	202	11411	0.11	ug/mL#	73

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

Data File : C:\HPCHEM\1\DATA\6070805\0708614.D Vial: 14
Acq On : 8 Jul 2005 9:22 pm Operator: MRC
Sample : G161-2047-4H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:29 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708615.D Vial: 15
Acq On : 8 Jul 2005 9:58 pm Operator: MRC
Sample : G161-2047-5H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:30 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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 07-12-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.18	152	178041	4.00	ug/mL	-0.03
18) Naphthalene-D8	9.10	136	700834	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.89	164	390954	4.00	ug/mL	-0.04
55) Phenanthrene-D10	14.27	188	604513	4.00	ug/mL	-0.05
85) Chrysene-D12	18.51	240	272608	4.00	ug/mL	-0.05
93) Perylene-D12	20.86	264	145324	4.00	ug/mL	-0.07
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.39	112	447121	9.88	ug/mL	-0.01
Spiked Amount 10.000			Recovery = 98.80%			
17) Phenol-d6 (surr)	6.67	99	712656	10.09	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 100.90%			
32) Nitrobenzene-d5 (surr)	8.01	128	247652	9.97	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 99.70%			
53) 2-Fluorobiphenyl (surr)	10.83	172	1064158	9.71	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 97.10%			
54) 2,4,6-Tribromophenol (surr	13.16	330	115180	10.06	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 100.60%			
92) 4-Terphenyl-d14 (surr)	16.87	244	924840	13.57	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 135.70%			

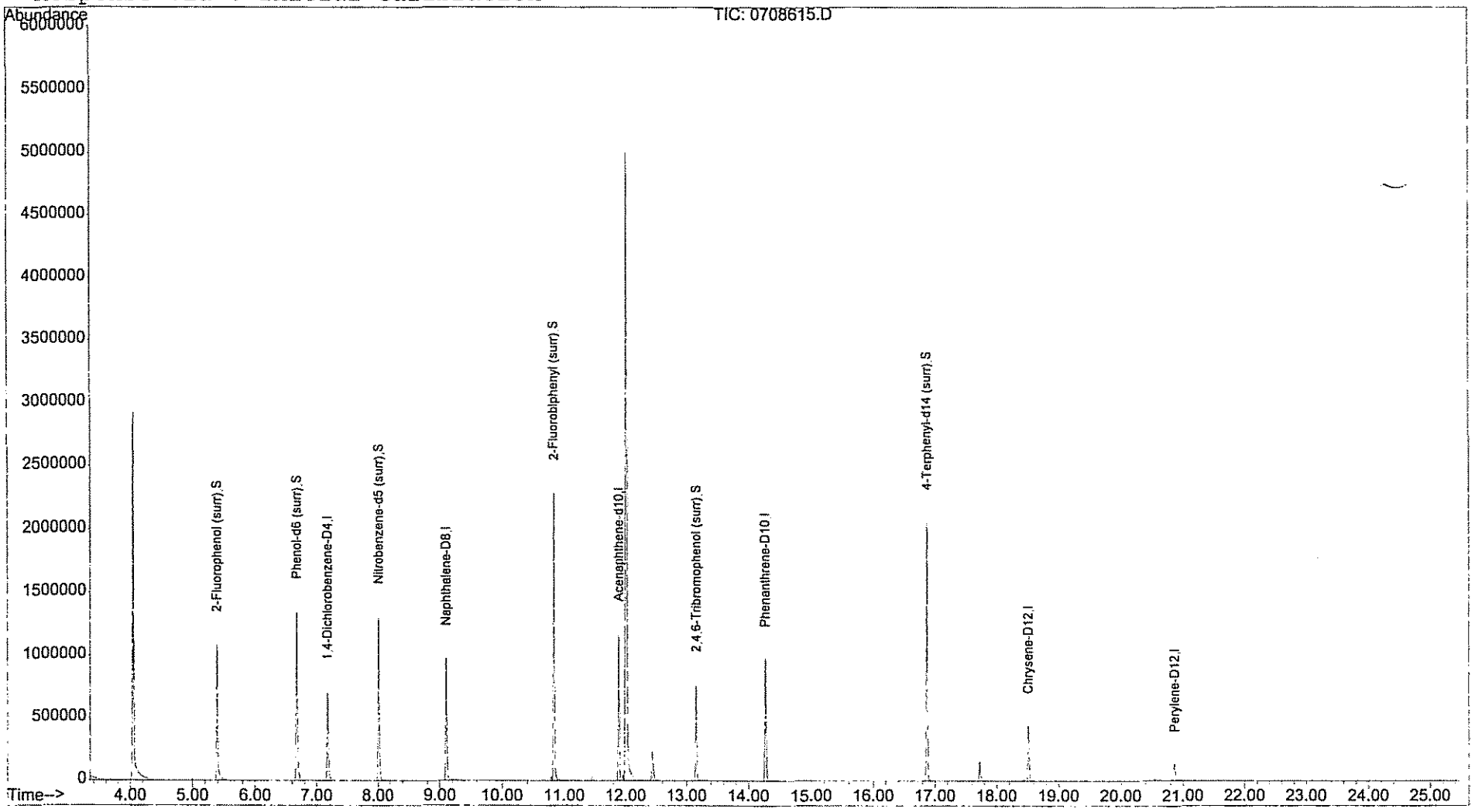
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6070805\0708615.D Vial: 15
Acq On : 8 Jul 2005 9:58 pm Operator: MRC
Sample : G161-2047-5H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:30 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708616.D Vial: 16
Acq On : 8 Jul 2005 10:33 pm Operator: MRC
Sample : G161-2047-6H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:31 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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 07.12.05

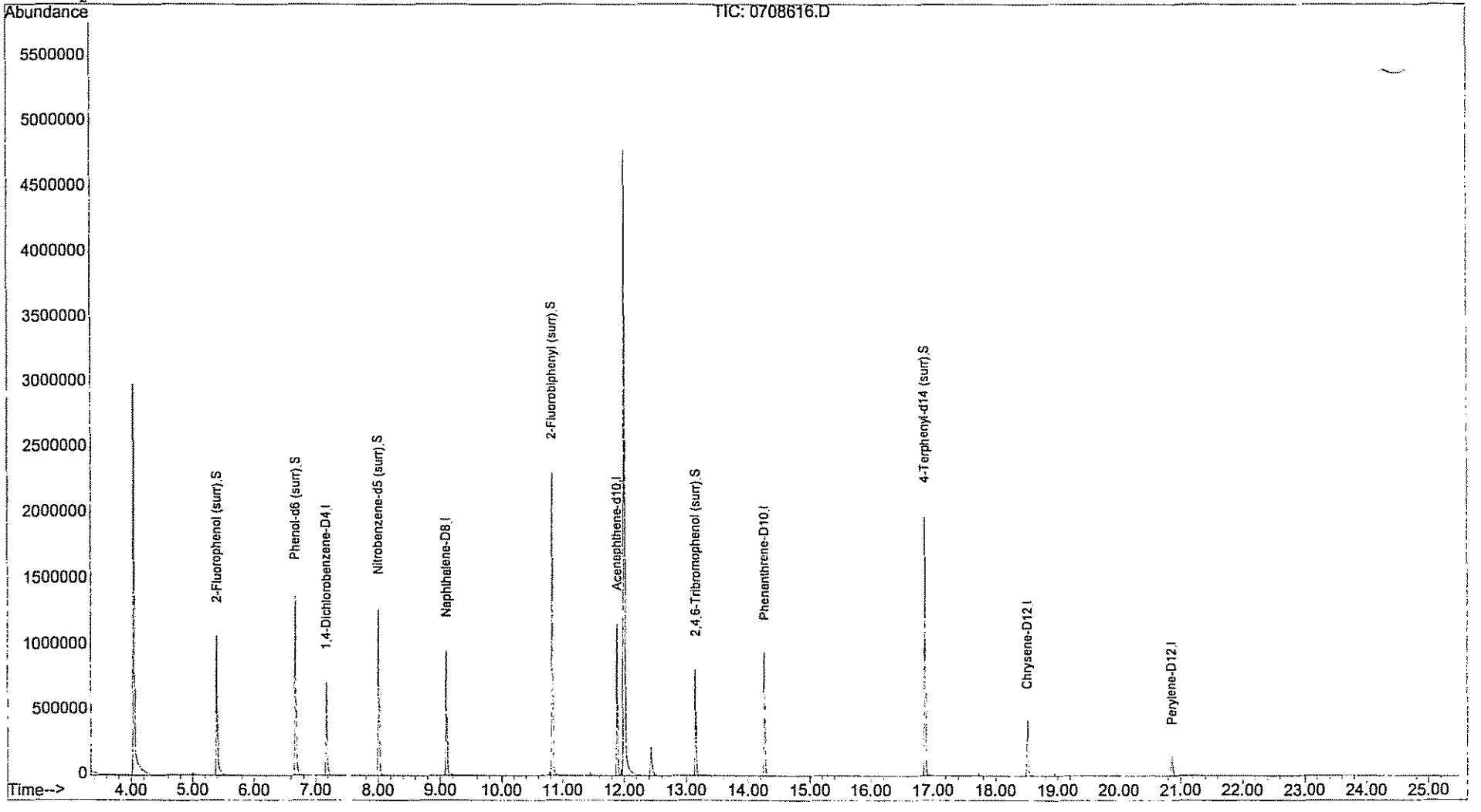
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.18	152	174270	4.00 ug/mL	-0.04
18) Naphthalene-D8	9.10	136	697928	4.00 ug/mL	-0.04
33) Acenaphthene-d10	11.89	164	383909	4.00 ug/mL	-0.04
55) Phenanthrene-D10	14.26	188	590398	4.00 ug/mL	-0.05
85) Chrysene-D12	18.51	240	268593	4.00 ug/mL	-0.05
93) Perylene-D12	20.86	264	155070	4.00 ug/mL	-0.06
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	5.39	112	455679	10.29 ug/mL	-0.01
Spiked Amount 10.000			Recovery	= 102.90%	
17) Phenol-d6 (surr)	6.67	99	722721	10.45 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 104.50%	
32) Nitrobenzene-d5 (surr)	8.00	128	244240	9.87 ug/mL	-0.04
Spiked Amount 10.000			Recovery	= 98.70%	
53) 2-Fluorobiphenyl (surr)	10.83	172	1061334	9.87 ug/mL	-0.04
Spiked Amount 10.000			Recovery	= 98.70%	
54) 2,4,6-Tribromophenol (surr	13.15	330	116538	10.36 ug/mL	-0.04
Spiked Amount 10.000			Recovery	= 103.60%	
92) 4-Terphenyl-d14 (surr)	16.86	244	918014	13.67 ug/mL	-0.04
Spiked Amount 10.000			Recovery	= 136.70%	

Target Compounds Qvalue

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

Data File : C:\HPCHEM\1\DATA\6070805\0708616.D Vial: 16
Acq On : 8 Jul 2005 10:33 pm Operator: MRC
Sample : G161-2047-6H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:31 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708617.D Vial: 17
Acq On : 8 Jul 2005 11:08 pm Operator: MRC
Sample : G161-2047-7H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 13:19 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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 07.12.05

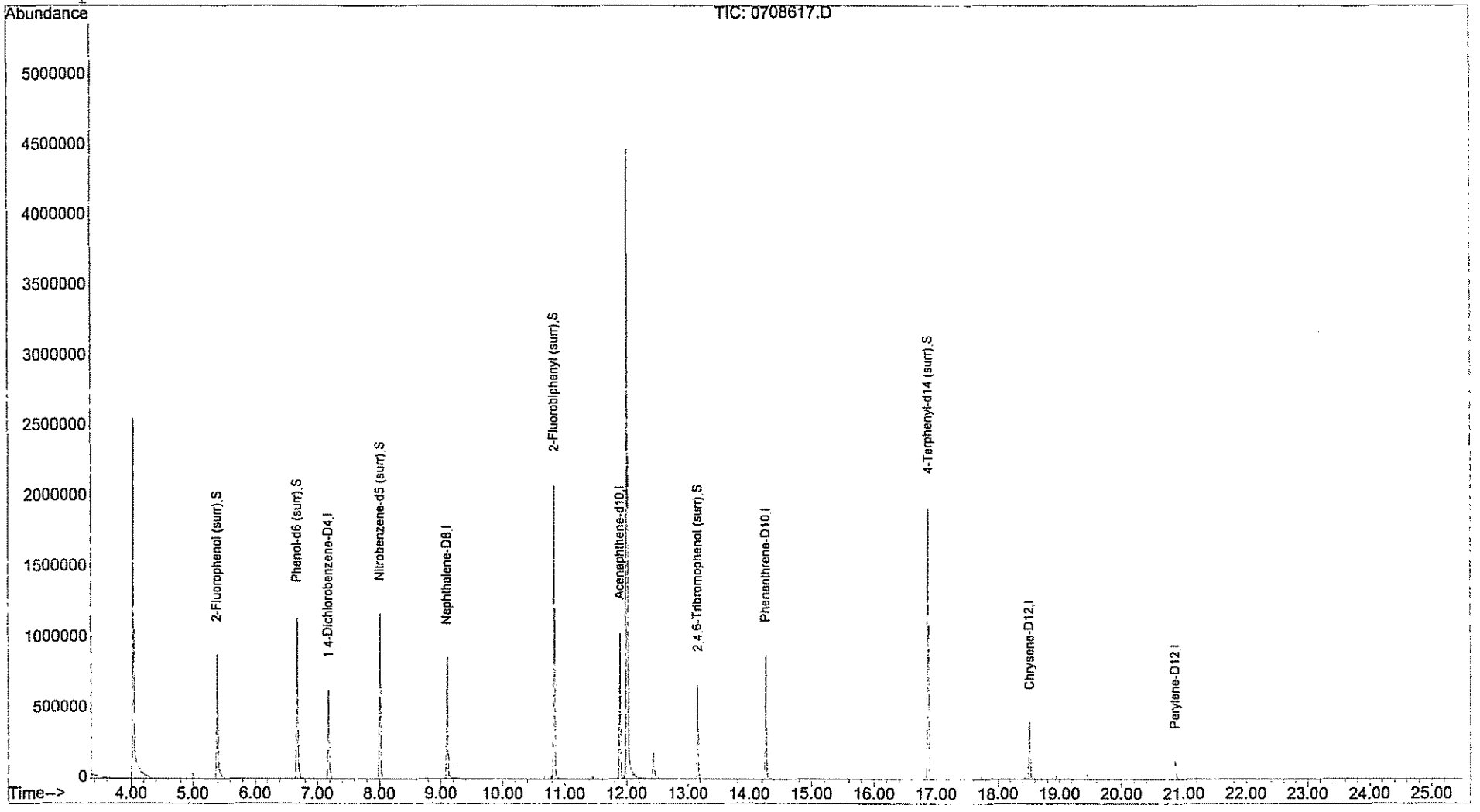
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.18	152	161883	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	634514	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.88	164	356017	4.00	ug/mL	-0.05
55) Phenanthrene-D10	14.27	188	542635	4.00	ug/mL	-0.05
85) Chrysene-D12	18.51	240	261433	4.00	ug/mL	-0.05
93) Perylene-D12	20.86	264	141467	4.00	ug/mL	-0.06
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.39	112	401863	9.77	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 97.70%			
17) Phenol-d6 (surr)	6.67	99	645467	10.05	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 100.50%			
32) Nitrobenzene-d5 (surr)	8.00	128	220928	9.82	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 98.20%			
53) 2-Fluorobiphenyl (surr)	10.83	172	990666	9.93	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 99.30%			
54) 2,4,6-Tribromophenol (surr	13.15	330	100819	9.67	ug/mL	-0.05
Spiked Amount 10.000			Recovery = 96.70%			
92) 4-Terphenyl-d14 (surr)	16.87	244	903800	13.83	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 138.30%			

Target Compounds Qvalue

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

Data File : C:\HPCHEM\1\DATA\6070805\0708617.D Vial: 17
Acq On : 8 Jul 2005 11:08 pm Operator: MRC
Sample : G161-2047-7H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 13:19 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708618.D Vial: 18
Acq On : 8 Jul 2005 11:43 pm Operator: MRC
Sample : G161-2047-8H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 13:20 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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

MRL 07 12.05

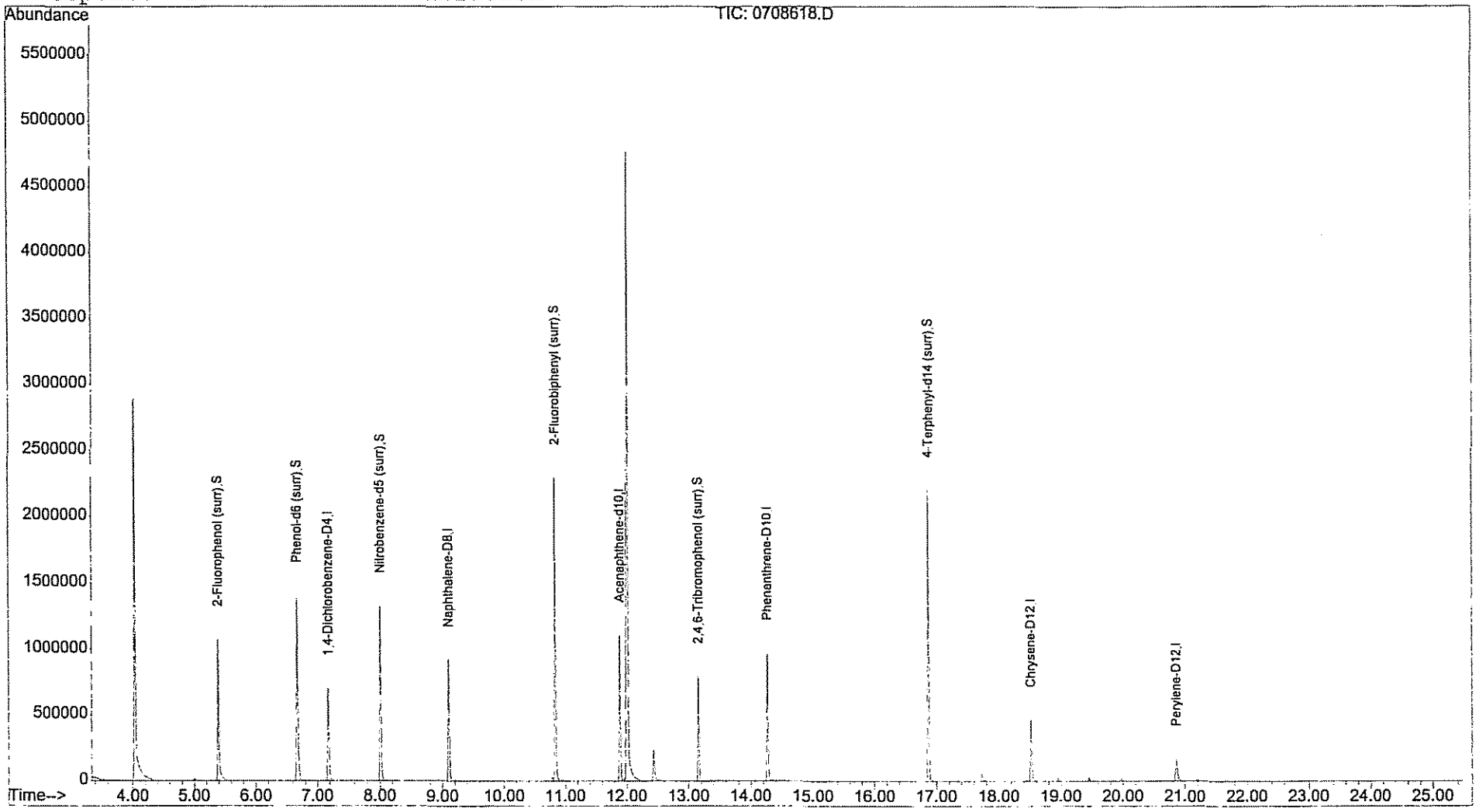
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.18	152	174615	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	685772	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.89	164	377913	4.00	ug/mL	-0.04
55) Phenanthrene-D10	14.27	188	586328	4.00	ug/mL	-0.05
85) Chrysene-D12	18.51	240	296256	4.00	ug/mL	-0.05
93) Perylene-D12	20.86	264	177297	4.00	ug/mL	-0.06
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.39	112	467304	10.53	ug/mL	-0.01
Spiked Amount 10.000			Recovery = 105.30%			
17) Phenol-d6 (surr)	6.67	99	733943	10.59	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 105.90%			
32) Nitrobenzene-d5 (surr)	8.01	128	253496	10.42	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 104.20%			
53) 2-Fluorobiphenyl (surr)	10.83	172	1085610	10.25	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 102.50%			
54) 2,4,6-Tribromophenol (surr	13.15	330	117725	10.64	ug/mL	-0.05
Spiked Amount 10.000			Recovery = 106.40%			
92) 4-Terphenyl-d14 (surr)	16.87	244	982133	13.26	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 132.60%			

Target Compounds Qvalue

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

Data File : C:\HPCHEM\1\DATA\6070805\0708618.D Vial: 18
Acq On : 8 Jul 2005 11:43 pm Operator: MRC
Sample : G161-2047-8H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 13:20 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708619.D Vial: 19
Acq On : 9 Jul 2005 12:17 am Operator: MRC
Sample : G161-2047-9H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 13:30 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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 07.12.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.18	152	164809	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	637540	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.88	164	360977	4.00	ug/mL	-0.05
55) Phenanthrene-D10	14.26	188	557697	4.00	ug/mL	-0.05
85) Chrysene-D12	18.51	240	290018	4.00	ug/mL	-0.05
93) Perylene-D12	20.86	264	160538	4.00	ug/mL	-0.06
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.39	112	438659	10.47	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 104.70%			
17) Phenol-d6 (surr)	6.67	99	697328	10.66	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 106.60%			
32) Nitrobenzene-d5 (surr)	8.00	128	237108	10.49	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 104.90%			
53) 2-Fluorobiphenyl (surr)	10.83	172	1007920	9.96	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 99.60%			
54) 2,4,6-Tribromophenol (surr	13.15	330	108631	10.28	ug/mL	-0.05
Spiked Amount 10.000			Recovery = 102.80%			
92) 4-Terphenyl-d14 (surr)	16.86	244	947053	13.06	ug/mL	-0.05
Spiked Amount 10.000			Recovery = 130.60%			

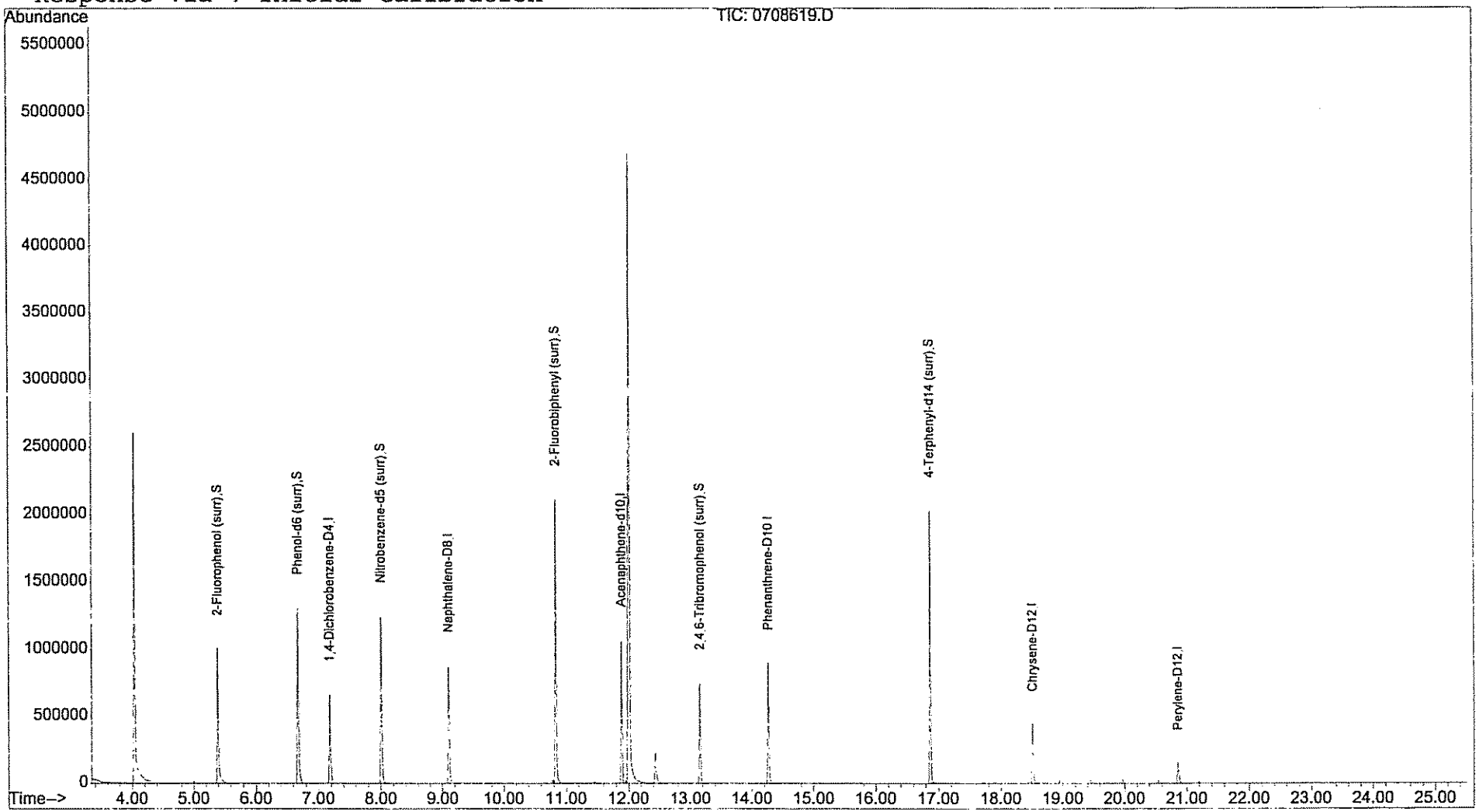
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6070805\0708619.D Vial: 19
Acq On : 9 Jul 2005 12:17 am Operator: MRC
Sample : G161-2047-9H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 13:30 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708620.D Vial: 20
Acq On : 9 Jul 2005 12:52 am Operator: MRC
Sample : G161-2047-10J x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 13:31 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.18	152	166748	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	665459	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.88	164	366809	4.00	ug/mL	-0.05
55) Phenanthrene-D10	14.27	188	557314	4.00	ug/mL	-0.05
85) Chrysene-D12	18.51	240	265790	4.00	ug/mL	-0.05
93) Perylene-D12	20.86	264	143730	4.00	ug/mL	-0.07
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.39	112	449516	10.61	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 106.10%			
17) Phenol-d6 (surr)	6.67	99	703158	10.63	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 106.30%			
32) Nitrobenzene-d5 (surr)	8.00	128	251919	10.68	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 106.80%			
53) 2-Fluorobiphenyl (surr)	10.83	172	1075302	10.46	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 104.60%			
54) 2,4,6-Tribromophenol (surr	13.16	330	114757	10.68	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 106.80%			
92) 4-Terphenyl-d14 (surr)	16.87	244	923117m	13.89	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 138.90%			

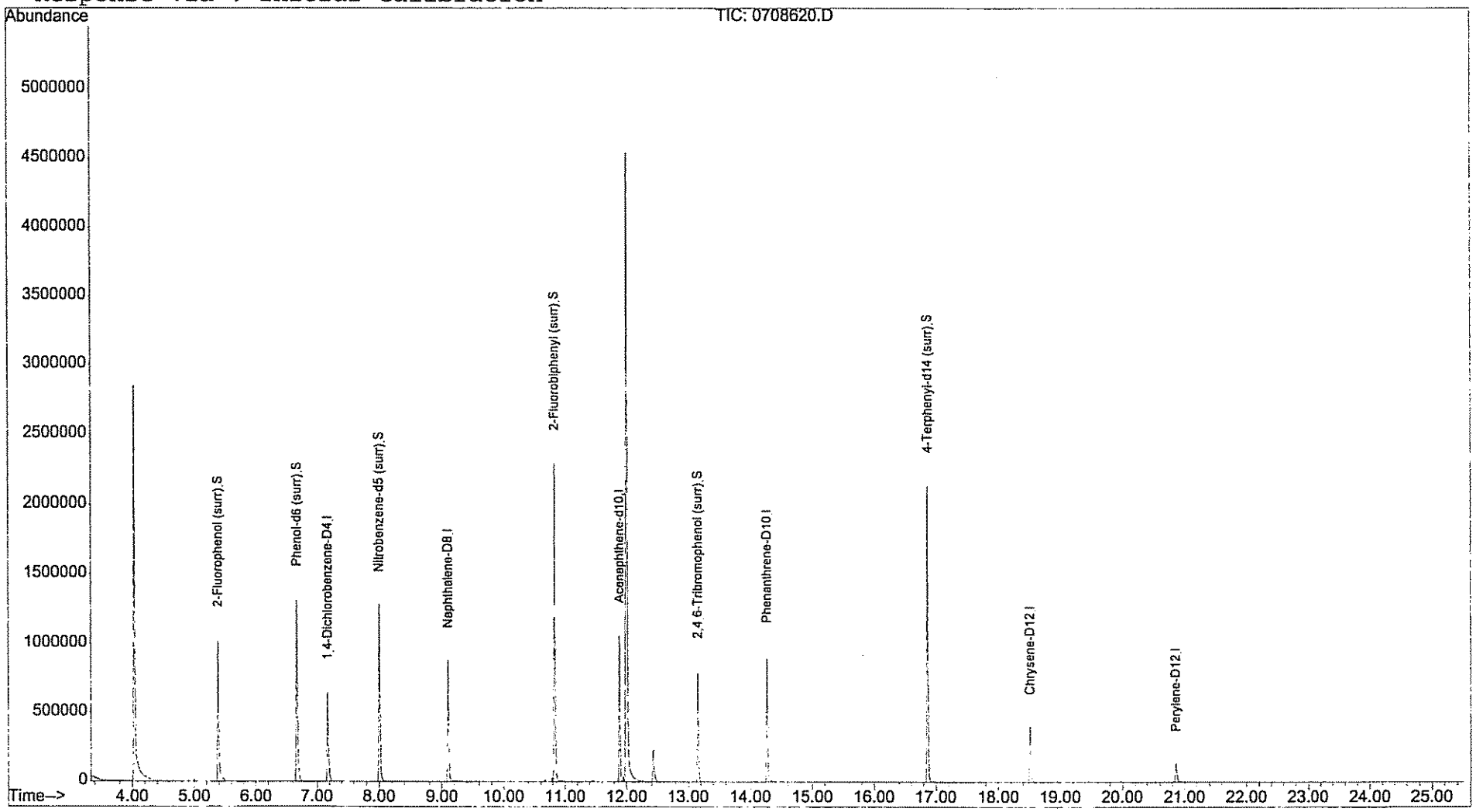
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6070805\0708620.D Vial: 20
Acq On : 9 Jul 2005 12:52 am Operator: MRC
Sample : G161-2047-10J x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 13:31 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708621.D Vial: 21
Acq On : 9 Jul 2005 1:26 am Operator: MRC
Sample : G161-2047-11H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 13:31 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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

MRC 07 12 05

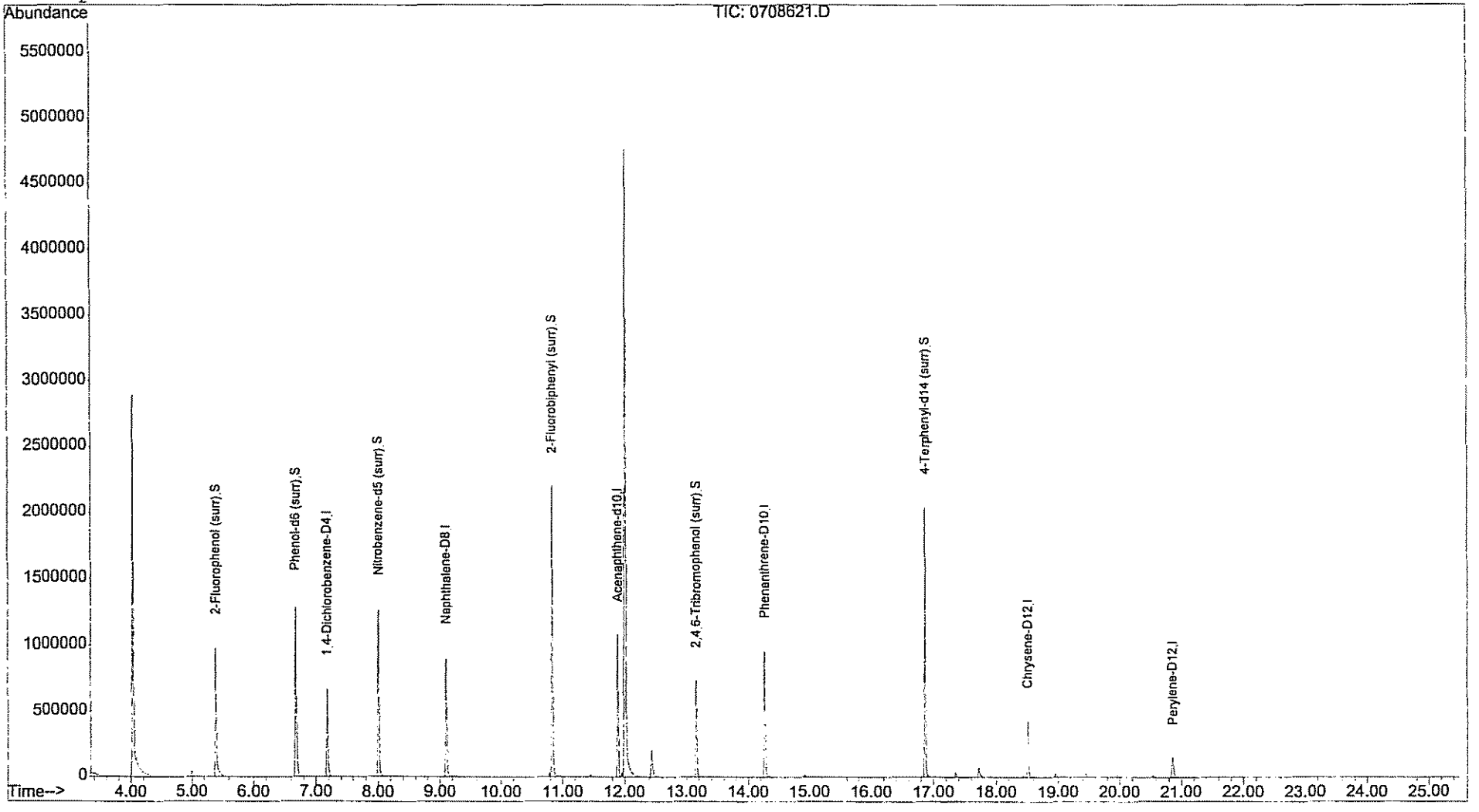
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.17	152	169659	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	673559	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.89	164	370374	4.00	ug/mL	-0.04
55) Phenanthrene-D10	14.26	188	573663	4.00	ug/mL	-0.05
85) Chrysene-D12	18.51	240	276383	4.00	ug/mL	-0.05
93) Perylene-D12	20.86	264	164469	4.00	ug/mL	-0.06
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.39	112	441821	10.25	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 102.50%			
17) Phenol-d6 (surr)	6.67	99	696441	10.35	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 103.50%			
32) Nitrobenzene-d5 (surr)	8.01	128	236293	9.89	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 98.90%			
53) 2-Fluorobiphenyl (surr)	10.83	172	1079067	10.40	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 104.00%			
54) 2,4,6-Tribromophenol (surr	13.16	330	113185	10.43	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 104.30%			
92) 4-Terphenyl-d14 (surr)	16.87	244	924315	13.37	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 133.70%			

Target Compounds Qvalue

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

Data File : C:\HPCHEM\1\DATA\6070805\0708621.D Vial: 21
Acq On : 9 Jul 2005 1:26 am Operator: MRC
Sample : G161-2047-11H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 13:31 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708622.D Vial: 22
Acq On : 9 Jul 2005 2:01 am Operator: MRC
Sample : G161-2047-12I x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 13:32 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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

mrl 07-12-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.17	152	172578	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	673346	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.89	164	371566	4.00	ug/mL	-0.04
55) Phenanthrene-D10	14.26	188	569594	4.00	ug/mL	-0.05
85) Chrysene-D12	18.51	240	296894	4.00	ug/mL	-0.05
93) Perylene-D12	20.86	264	180205	4.00	ug/mL	-0.06
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.39	112	433437	9.88	ug/mL	-0.01
Spiked Amount 10.000			Recovery = 98.80%			
17) Phenol-d6 (surr)	6.67	99	688925	10.06	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 100.60%			
32) Nitrobenzene-d5 (surr)	8.01	128	245297	10.27	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 102.70%			
53) 2-Fluorobiphenyl (surr)	10.83	172	1081038	10.38	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 103.80%			
54) 2,4,6-Tribromophenol (surr	13.16	330	110831	10.18	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 101.80%			
92) 4-Terphenyl-d14 (surr)	16.87	244	940955	12.67	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 126.70%			

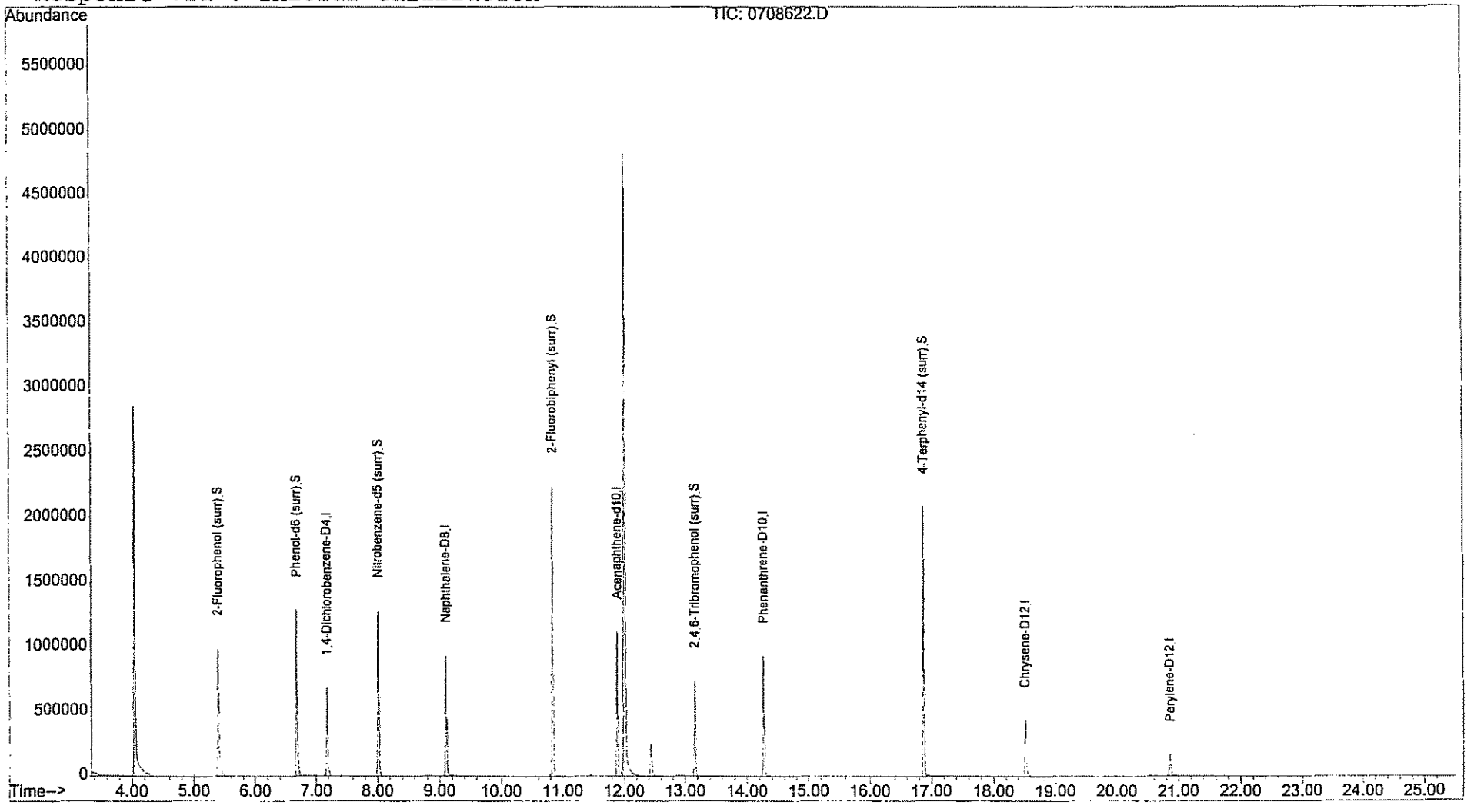
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6070805\0708622.D Vial: 22
Acq On : 9 Jul 2005 2:01 am Operator: MRC
Sample : G161-2047-12I x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 13:32 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



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071305\0713711.D Vial: 11
Acq On : 13 Jul 2005 1:37 pm Operator: MRC
Sample : G161-2047-13H x4 Inst : MSD7
Misc : 8270 - BN - CLP [3540-3187] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 14:02:35 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

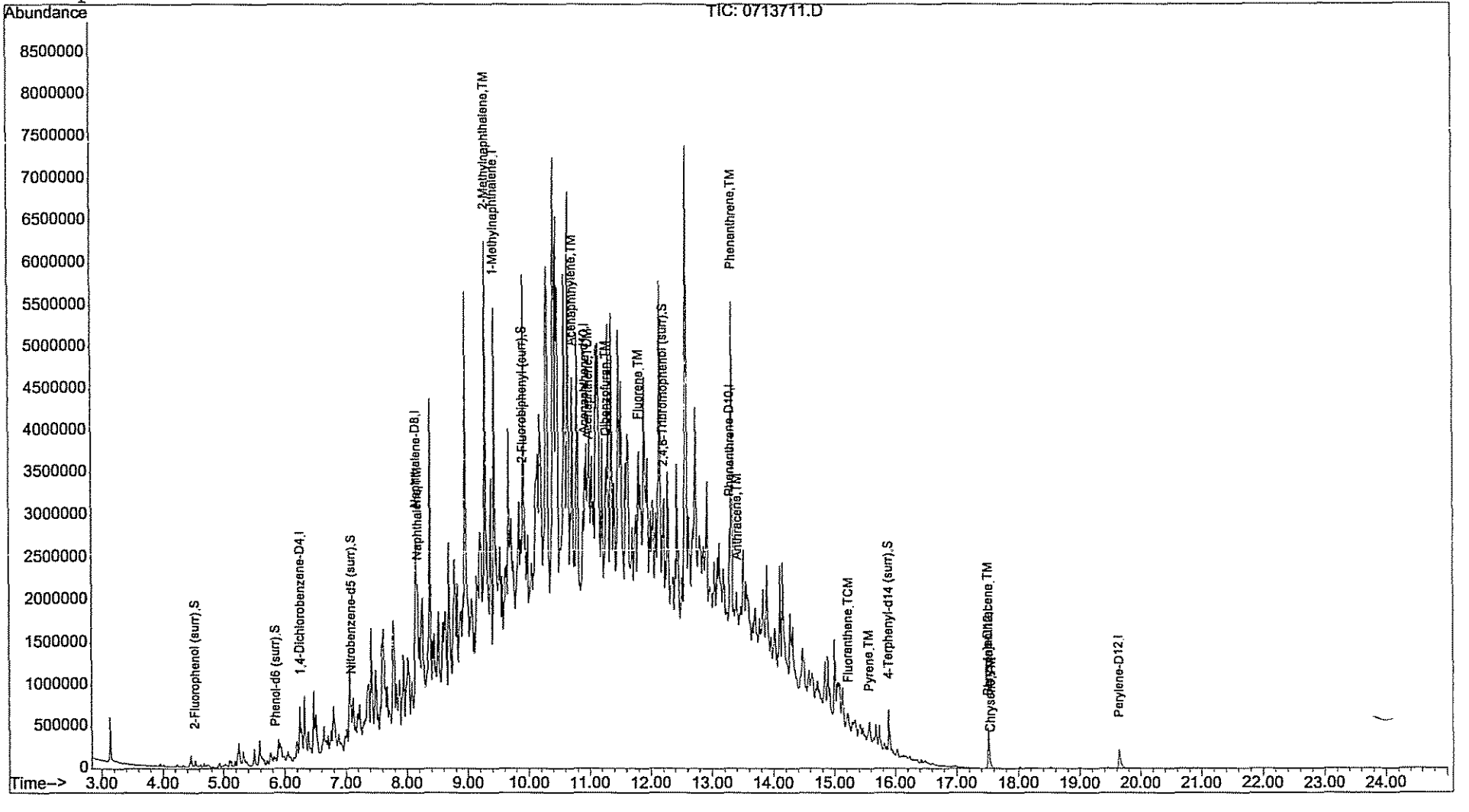
mrc 07.13.05 6

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.25	152	171310	4.00	ug/mL	0.00
18) Naphthalene-D8	8.16	136	696861	4.00	ug/mL	0.00
33) Acenaphthene-d10	10.93	164	357558	4.00	ug/mL	0.01
55) Phenanthrene-D10	13.29	188	558504	4.00	ug/mL	0.00
85) Chrysene-D12	17.51	240	359231	4.00	ug/mL	0.00
93) Perylene-D12	19.64	264	235634	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	4.53	112	56359	1.43	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	14.30%	
17) Phenol-d6 (surr)	5.85	99	104794	1.81	ug/mL	0.02
Spiked Amount 10.000			Recovery	=	18.10%	
32) Nitrobenzene-d5 (surr)	7.10	128	42879	1.92	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	19.20%	
53) 2-Fluorobiphenyl (surr)	9.90	172	229200	2.32	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	23.20%	
54) 2,4,6-Tribromophenol (surr	12.21	330	10749	0.98	ug/mL	0.02
Spiked Amount 10.000			Recovery	=	9.80%	
92) 4-Terphenyl-d14 (surr)	15.89	244	210920	2.35	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	23.50%	
Target Compounds						Qvalue
27) Naphthalene	8.19	128	314418	2.24	ug/mL#	89
31) 2-Methylnaphthalene	9.29	142	1994706	18.65	ug/mL	99
40) 1-Methylnaphthalene	9.44	142	1577773	15.77	ug/mL	99
42) Acenaphthylene	10.72	152	94363m	0.74	ug/mL	
44) Acenaphthene	10.98	153	132063	1.49	ug/mL	96
47) Dibenzofuran	11.27	168	147926	1.12	ug/mL	88
49) Fluorene	11.81	166	245419	2.54	ug/mL#	86
61) Phenanthrene	13.33	178	752410	5.36	ug/mL	98
63) Anthracene	13.42	178	74538	0.55	ug/mL#	70
66) Fluoranthene	15.22	202	59479	0.46	ug/mL#	90
86) Pyrene	15.57	202	114274	0.86	ug/mL#	87
88) Benzo[a]anthracene	17.51	228	14836	0.14	ug/mL#	76
90) Chrysene	17.56	228	21293	0.22	ug/mL#	80

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

Data File : C:\MSDCHEM\1\DATA\7071305\0713711.D Vial: 11
Acq On : 13 Jul 2005 1:37 pm Operator: MRC
Sample : G161-2047-13H x4 Inst : MSD7
Misc : 8270 - BN - CLP [3540-3187] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 16:23 2005 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071105\0711608.D Vial: 8
Acq On : 11 Jul 2005 6:19 pm Operator: MRC
Sample : G161-2047-13H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:28 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

RR x4

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.18	152	132231	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.11	136	462278	4.00	ug/mL	-0.03
33) Acenaphthene-d10	11.93	164	303949m	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.30	188	386000m	4.00	ug/mL	-0.01
85) Chrysene-D12	18.51	240	243326	4.00	ug/mL	-0.05
93) Perylene-D12	20.85	264	159755	4.00	ug/mL	-0.07
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.38	112	306151	9.11	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 91.10%			
17) Phenol-d6 (surr)	6.67	99	508528	9.69	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 96.90%			
32) Nitrobenzene-d5 (surr)	8.01	128	190983	11.65	ug/mL	-0.03
Spiked Amount 10.000			Recovery = 116.50%			
53) 2-Fluorobiphenyl (surr)	10.85	172	703310m	8.26	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 82.60%			
54) 2,4,6-Tribromophenol (surr	13.20	330	58305	6.55	ug/mL	0.00
Spiked Amount 10.000			Recovery = 65.50%			
92) 4-Terphenyl-d14 (surr)	16.87	244	682005	11.21	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 112.10%			

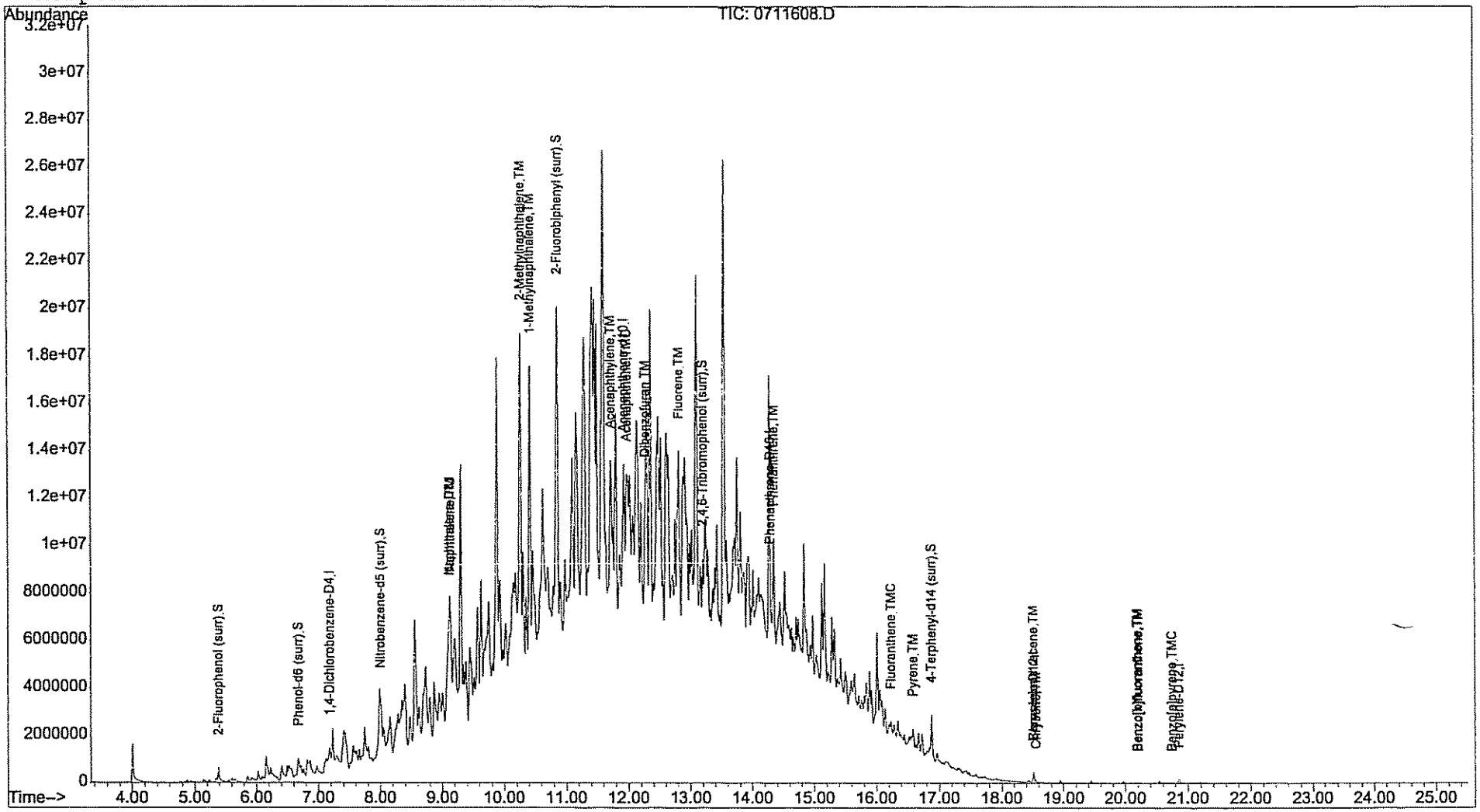
Target Compounds						Qvalue
27) Naphthalene	9.14	128	973444	9.66	ug/mL	99
31) 2-Methylnaphthalene	10.27	142	6270885	87.22	ug/mL	98
40) 1-Methylnaphthalene	10.42	142	4771570	64.02	ug/mL	100
42) Acenaphthylene	11.71	152	285265m	2.92	ug/mL	
44) Acenaphthene	11.98	153	447556m	6.67	ug/mL	
47) Dibenzofuran	12.26	168	460622m	4.24	ug/mL	
49) Fluorene	12.81	166	724390m	8.96	ug/mL	
61) Phenanthrene	14.35	178	2424995	25.37	ug/mL	98
66) Fluoranthene	16.24	202	171680m	1.71	ug/mL	
86) Pyrene	16.59	202	316571	3.47	ug/mL	98
88) Benzo[a]anthracene	18.50	228	54872	0.84	ug/mL#	88
90) Chrysene	18.56	228	57899	0.90	ug/mL#	92
95) Benzo[b]fluoranthene	20.18	252	39856m	0.82	ug/mL	
96) Benzo[k]fluoranthene	20.22	252	18785m	0.35	ug/mL	
97) Benzo[a]pyrene	20.75	252	35131	0.92	ug/mL#	89

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6071105\0711608.D Vial: 8
Acq On : 11 Jul 2005 6:19 pm Operator: MRC
Sample : G161-2047-13H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:28 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071105\0711609.D Vial: 9
Acq On : 11 Jul 2005 6:53 pm Operator: MRC
Sample : G161-2047-14H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:28 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

MMC 07-13-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.18	152	166038	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	652187	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.88	164	348608	4.00	ug/mL	-0.05
55) Phenanthrene-D10	14.27	188	510340	4.00	ug/mL	-0.05
85) Chrysene-D12	18.51	240	239876	4.00	ug/mL	-0.05
93) Perylene-D12	20.86	264	141895	4.00	ug/mL	-0.06
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.39	112	414904	9.83	ug/mL	-0.01
Spiked Amount 10.000			Recovery = 98.30%			
17) Phenol-d6 (surr)	6.67	99	664685	10.09	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 100.90%			
32) Nitrobenzene-d5 (surr)	8.00	128	219811	9.51	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 95.10%			
53) 2-Fluorobiphenyl (surr)	10.83	172	805373	8.24	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 82.40%			
54) 2,4,6-Tribromophenol (surr	13.15	330	87952	8.61	ug/mL	-0.05
Spiked Amount 10.000			Recovery = 86.10%			
92) 4-Terphenyl-d14 (surr)	16.86	244	735975	12.27	ug/mL	-0.05
Spiked Amount 10.000			Recovery = 122.70%			

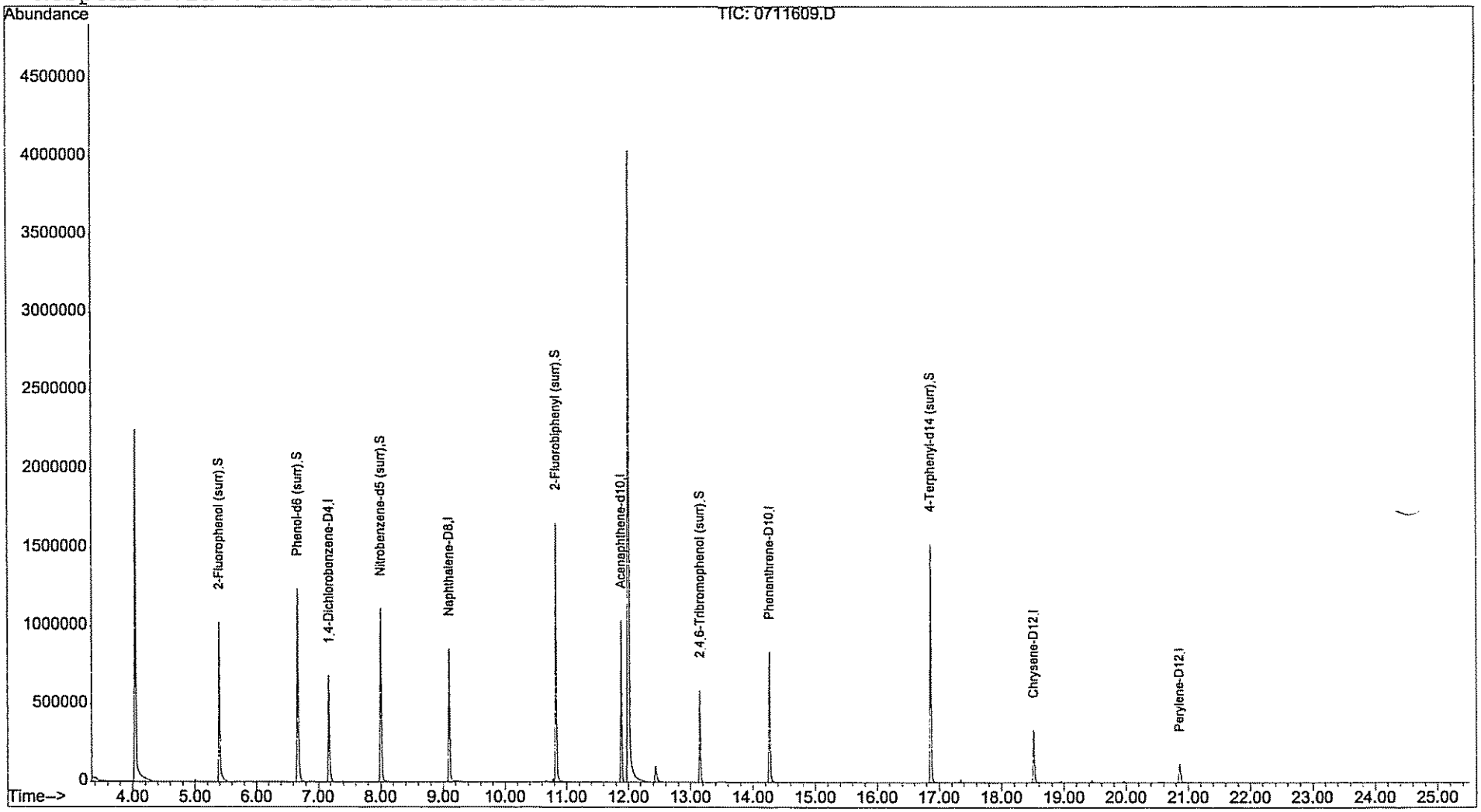
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6071105\0711609.D Vial: 9
Acq On : 11 Jul 2005 6:53 pm Operator: MRC
Sample : G161-2047-14H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:28 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071105\0711610.D Vial: 10
Acq On : 11 Jul 2005 7:28 pm Operator: MRC
Sample : G161-2047-15H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:30 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

MMC 07-13-05 (3)

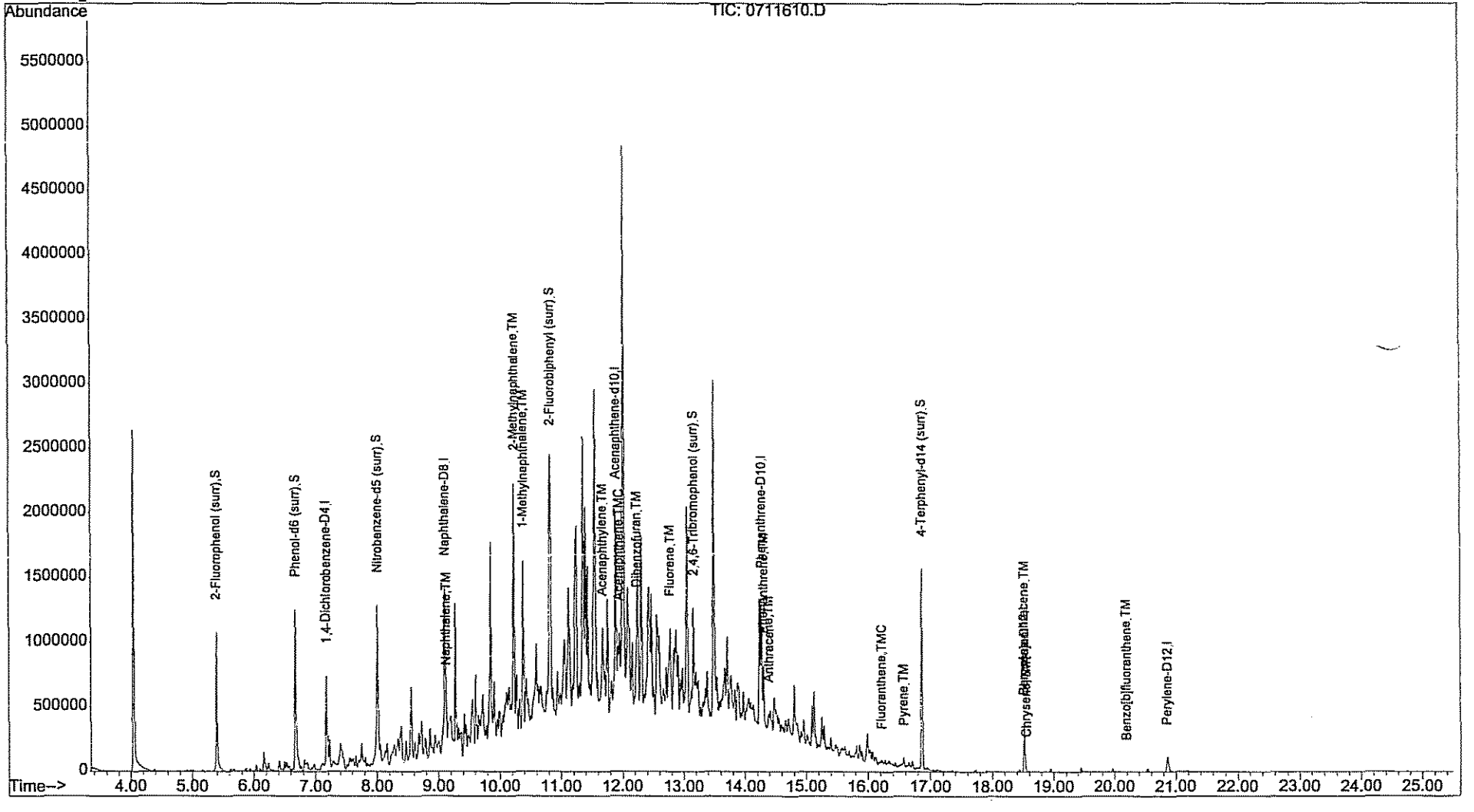
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.17	152	164073	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	611914	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.89	164	335956	4.00	ug/mL	-0.04
55) Phenanthrene-D10	14.27	188	482877	4.00	ug/mL	-0.04
85) Chrysene-D12	18.51	240	236229	4.00	ug/mL	-0.05
93) Perylene-D12	20.86	264	142366	4.00	ug/mL	-0.06
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.39	112	437445	10.49	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	104.90%	
17) Phenol-d6 (surr)	6.67	99	682861	10.49	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	104.90%	
32) Nitrobenzene-d5 (surr)	8.01	128	217148	10.01	ug/mL	-0.04
Spiked Amount 10.000			Recovery	=	100.10%	
53) 2-Fluorobiphenyl (surr)	10.83	172	789695	8.39	ug/mL	-0.04
Spiked Amount 10.000			Recovery	=	83.90%	
54) 2,4,6-Tribromophenol (surr	13.16	330	83780	8.51	ug/mL	-0.04
Spiked Amount 10.000			Recovery	=	85.10%	
92) 4-Terphenyl-d14 (surr)	16.87	244	688490	11.66	ug/mL	-0.04
Spiked Amount 10.000			Recovery	=	116.60%	

Target Compounds						Qvalue
27) Naphthalene	9.13	128	150301	1.13	ug/mL	100
31) 2-Methylnaphthalene	10.23	142	638449	6.71	ug/mL	99
39) 3-Nitroaniline	11.87	138	3967	Below Cal #		1
40) 1-Methylnaphthalene	10.38	142	414810	5.04	ug/mL	99
42) Acenaphthylene	11.67	152	29460m	0.27	ug/mL	
44) Acenaphthene	11.94	153	37826	0.51	ug/mL#	93
47) Dibenzofuran	12.22	168	51818	0.43	ug/mL#	57
49) Fluorene	12.77	166	73088m	0.82	ug/mL	
61) Phenanthrene	14.30	178	247203	2.07	ug/mL	97
63) Anthracene	14.38	178	22989	0.21	ug/mL#	62
66) Fluoranthene	16.21	202	22095	0.18	ug/mL#	82
86) Pyrene	16.57	202	37407	0.42	ug/mL#	94
88) Benzo[a]anthracene	18.50	228	5019	0.08	ug/mL#	53
90) Chrysene	18.55	228	5906	0.09	ug/mL#	52
95) Benzo[b]fluoranthene	20.19	252	2232	0.05	ug/mL#	62

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

Data File : C:\HPCHEM\1\DATA\6071105\0711610.D Vial: 10
Acq On : 11 Jul 2005 7:28 pm Operator: MRC
Sample : G161-2047-15H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:30 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071105\0711611.D Vial: 11
Acq On : 11 Jul 2005 8:01 pm Operator: MRC
Sample : G161-2047-16H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:30 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

mmc 07-13-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.17	152	170105	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	661175	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.88	164	357784	4.00	ug/mL	-0.05
55) Phenanthrene-D10	14.27	188	540178	4.00	ug/mL	-0.05
85) Chrysene-D12	18.51	240	252203	4.00	ug/mL	-0.05
93) Perylene-D12	20.86	264	147149	4.00	ug/mL	-0.07
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.39	112	445309	10.30	ug/mL	-0.01
Spiked Amount 10.000			Recovery = 103.00%			
17) Phenol-d6 (surr)	6.67	99	721575	10.69	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 106.90%			
32) Nitrobenzene-d5 (surr)	8.00	128	241886	10.32	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 103.20%			
53) 2-Fluorobiphenyl (surr)	10.83	172	987729	9.85	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 98.50%			
54) 2,4,6-Tribromophenol (surr	13.15	330	107417	10.25	ug/mL	-0.05
Spiked Amount 10.000			Recovery = 102.50%			
92) 4-Terphenyl-d14 (surr)	16.86	244	853331	13.53	ug/mL	-0.05
Spiked Amount 10.000			Recovery = 135.30%			

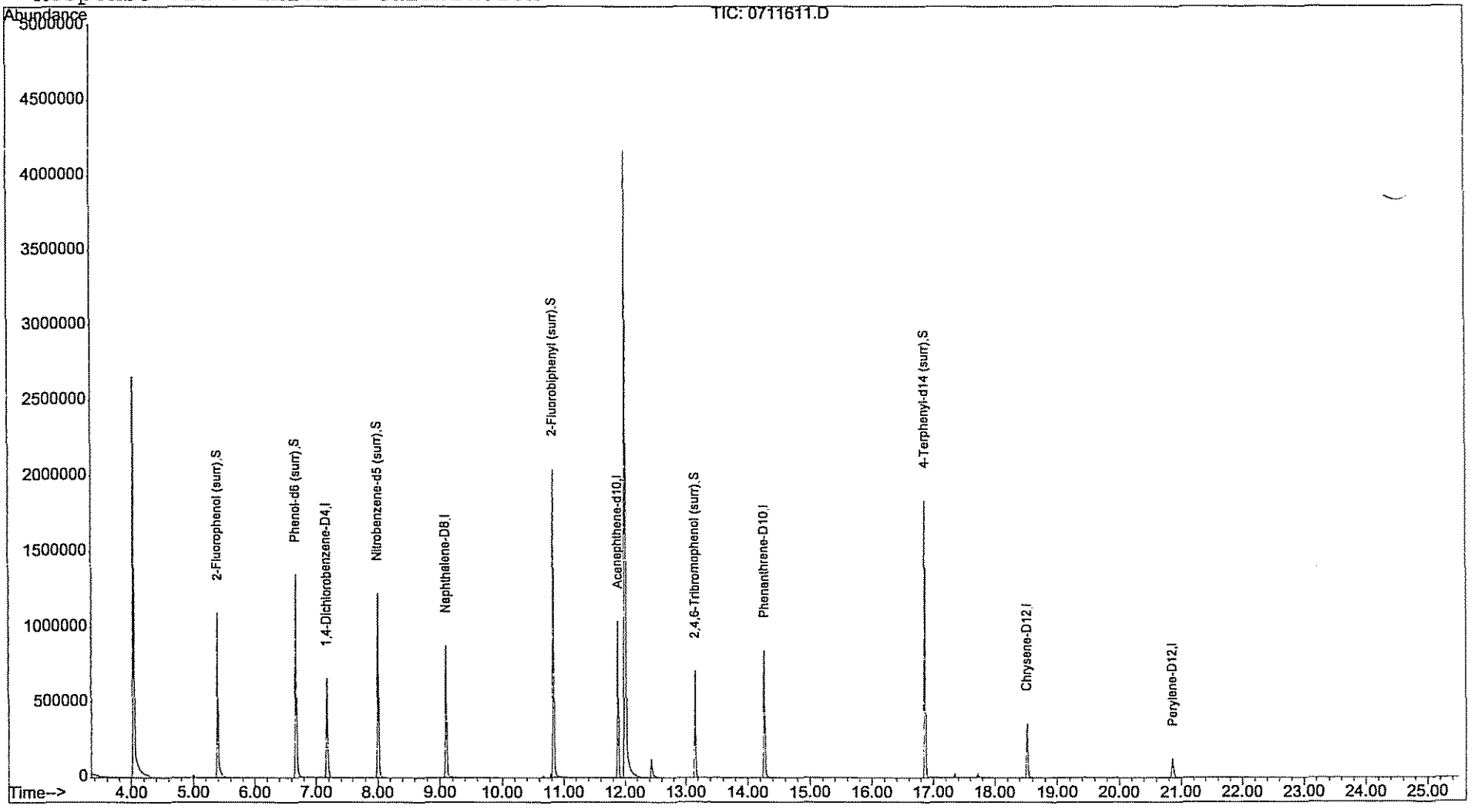
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6071105\0711611.D Vial: 11
Acq On : 11 Jul 2005 8:01 pm Operator: MRC
Sample : G161-2047-16H x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:30 2005 Quant Results File: 8270.RES

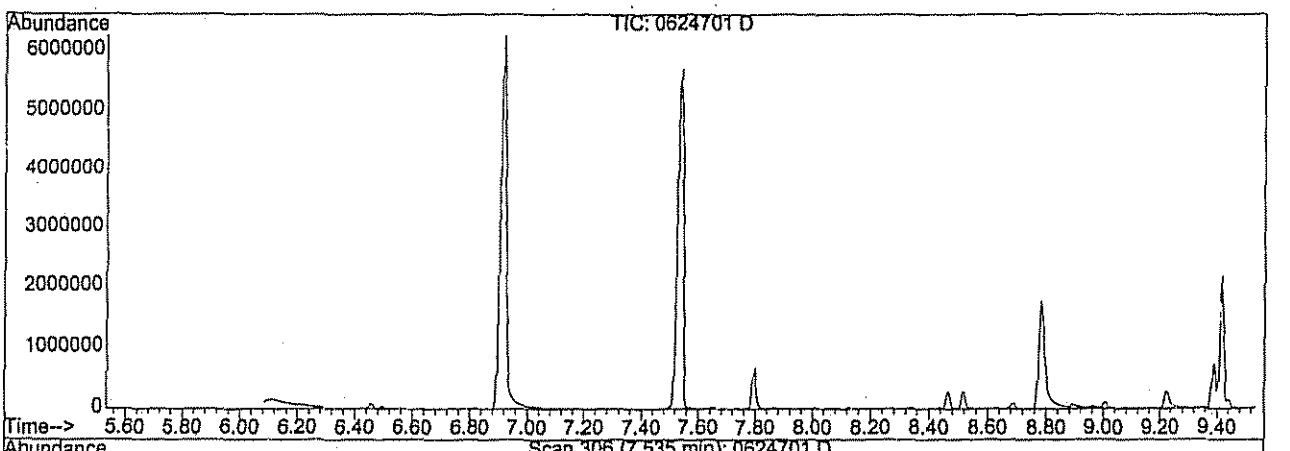
Method : C:\HPCHEM\1\DATA\6071105\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration

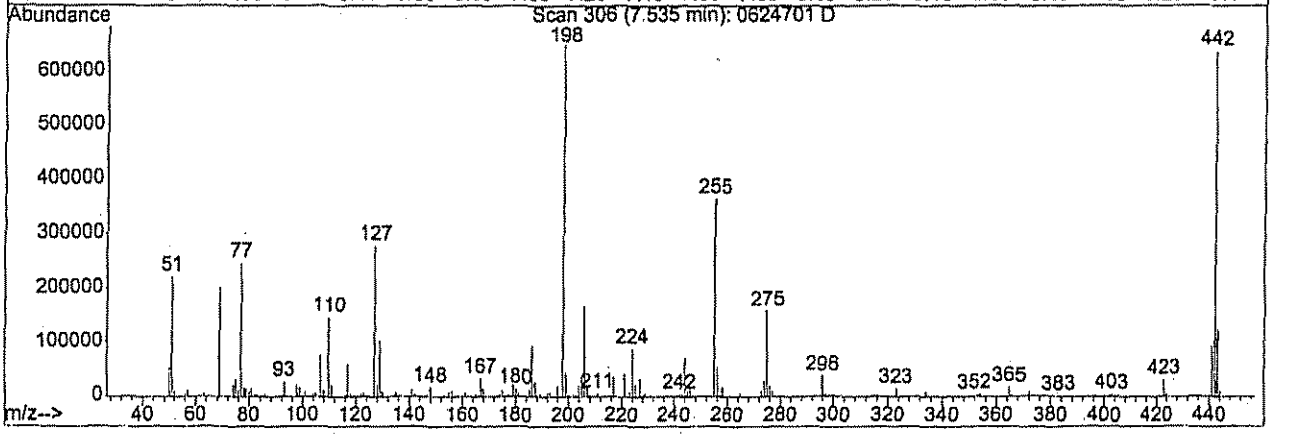


8270-BN Tuning

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

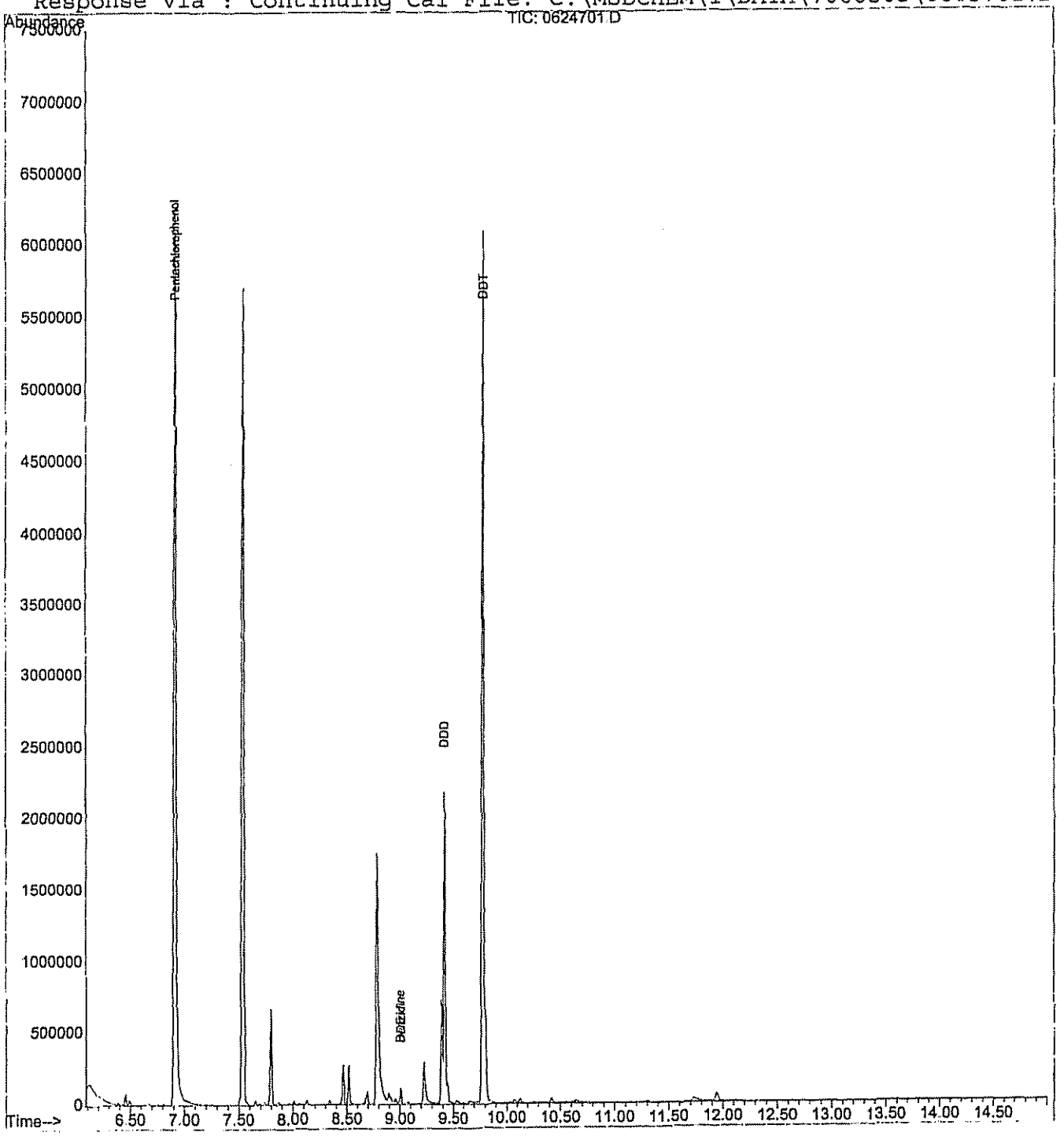
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624701.D
Acq On : 24 Jun 2005 12:04 pm
Sample : DFTPP 50ng
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 24 12:32 2005

Vial: 1
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: DFTPP.RES

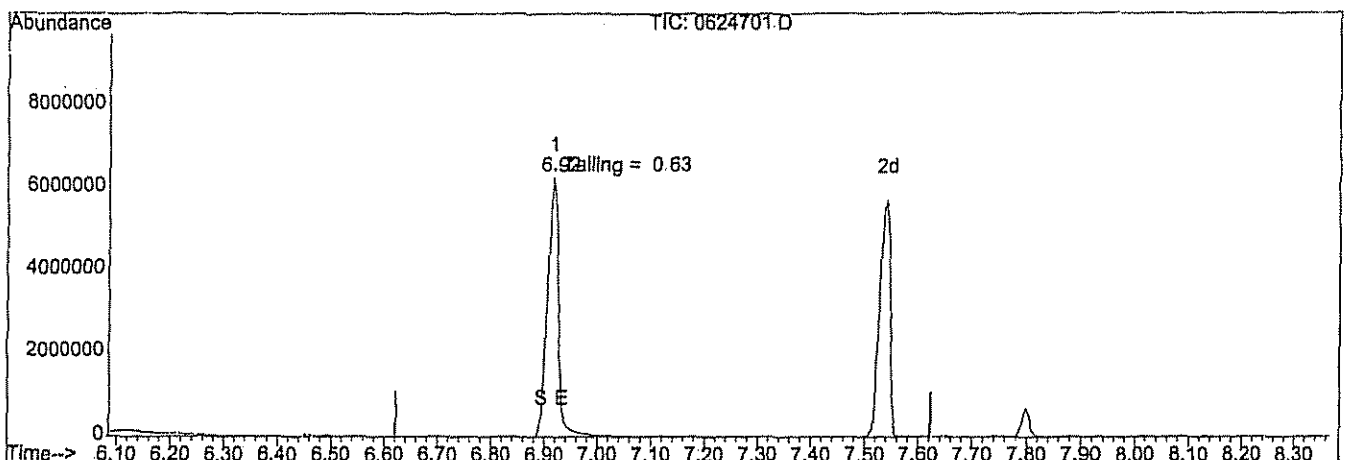
Method : C:\MSDCHEM\1\DATA\7062405\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Continuing Cal File: C:\MSDCHEM\1\DATA\7060305\0603701.D

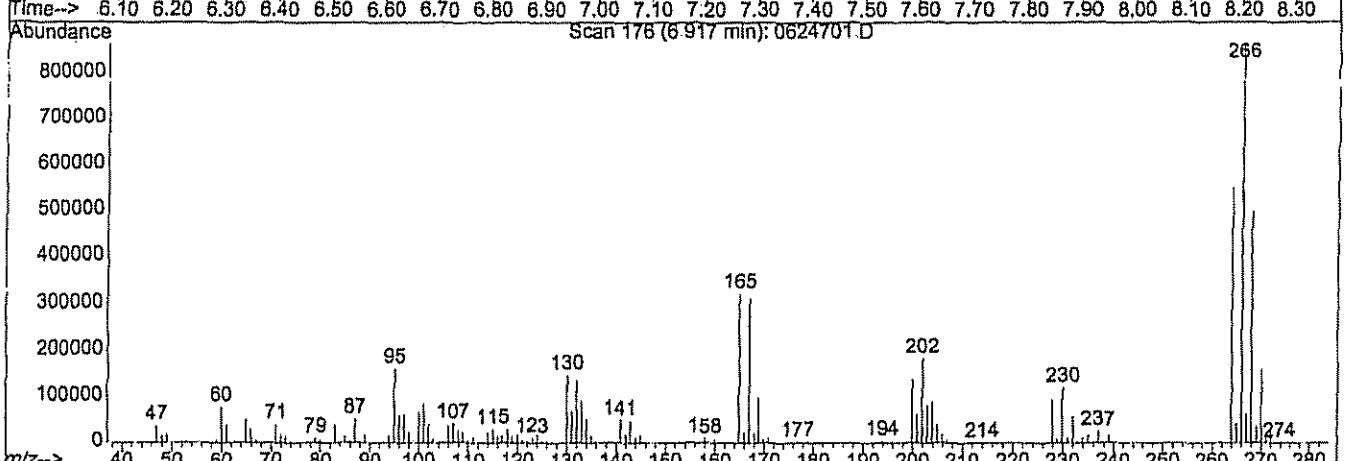


Quantitation Report (Qedit)

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

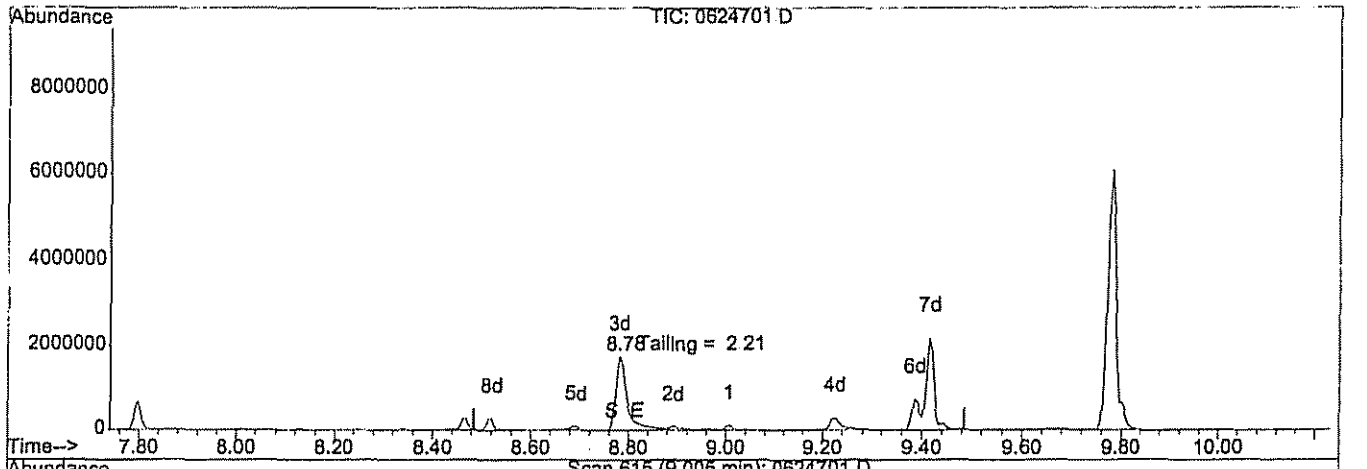
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

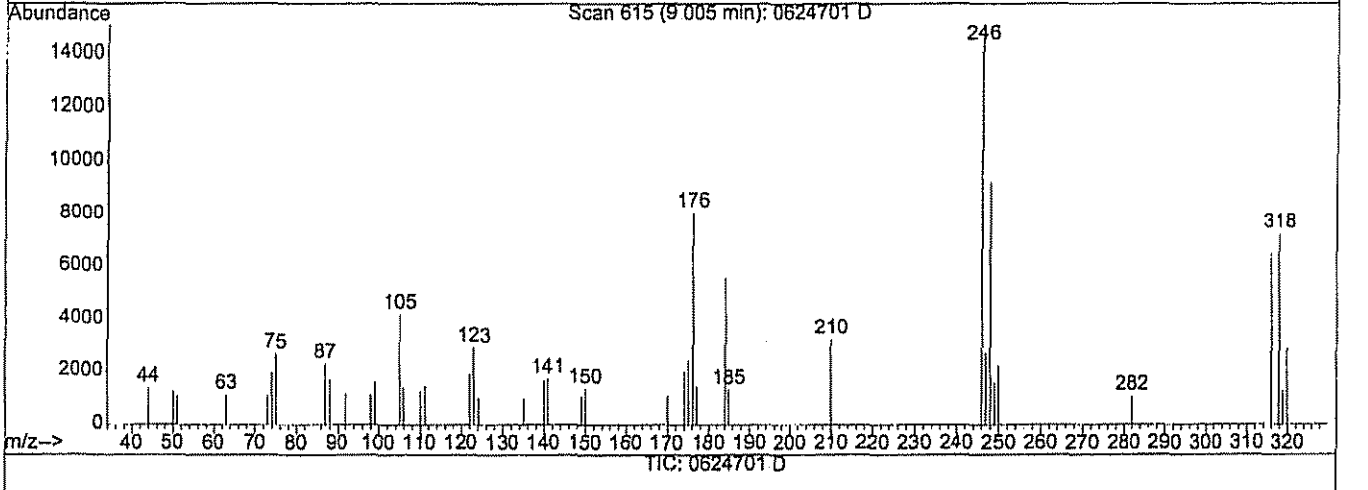
0624701.D DFTPP.M Fri Jun 24 12:33:22 2005 ENV

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





TIC: 0624701.D

(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%**

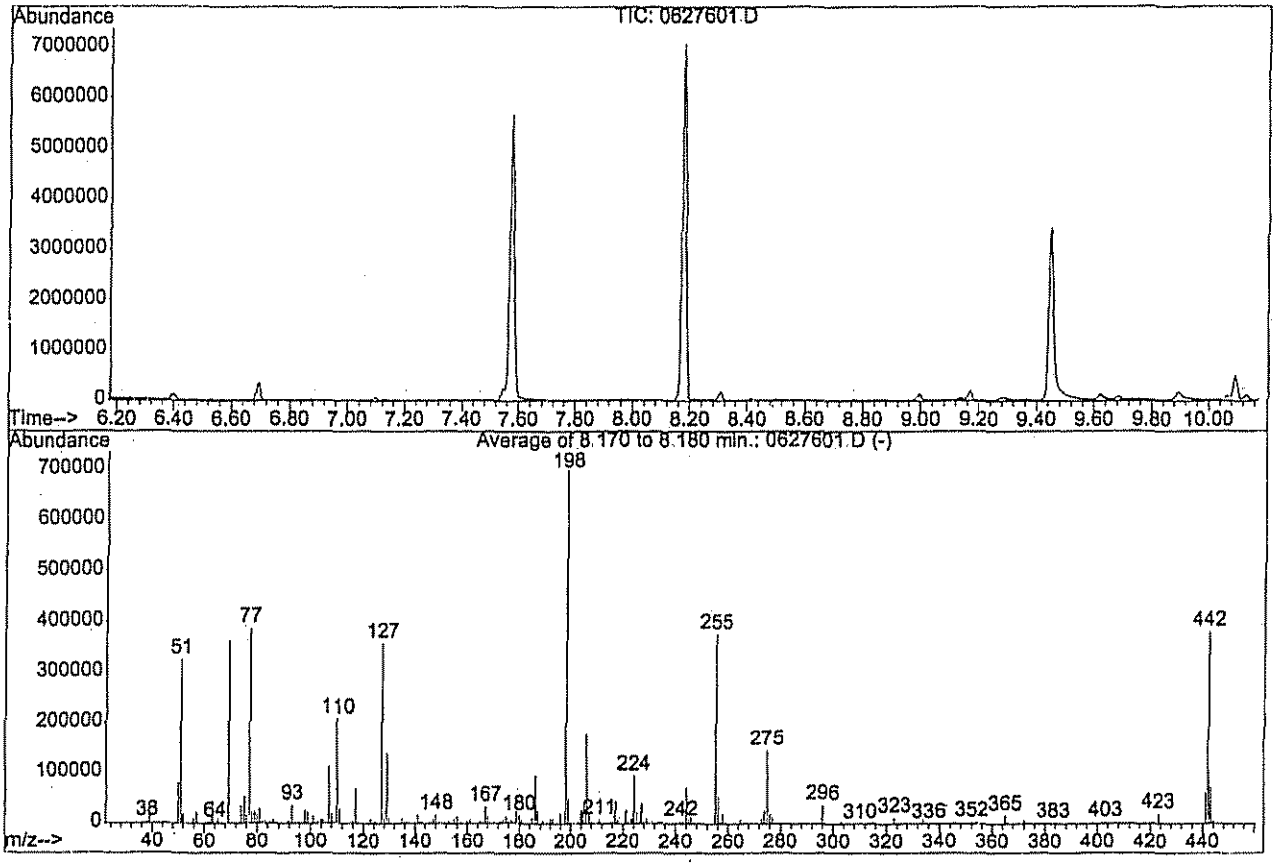
Date: 06/24/05

Instrument: MSD7

File: 0624701.d

DFTPP

Data File : C:\HPCHEM\1\DATA\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
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: 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

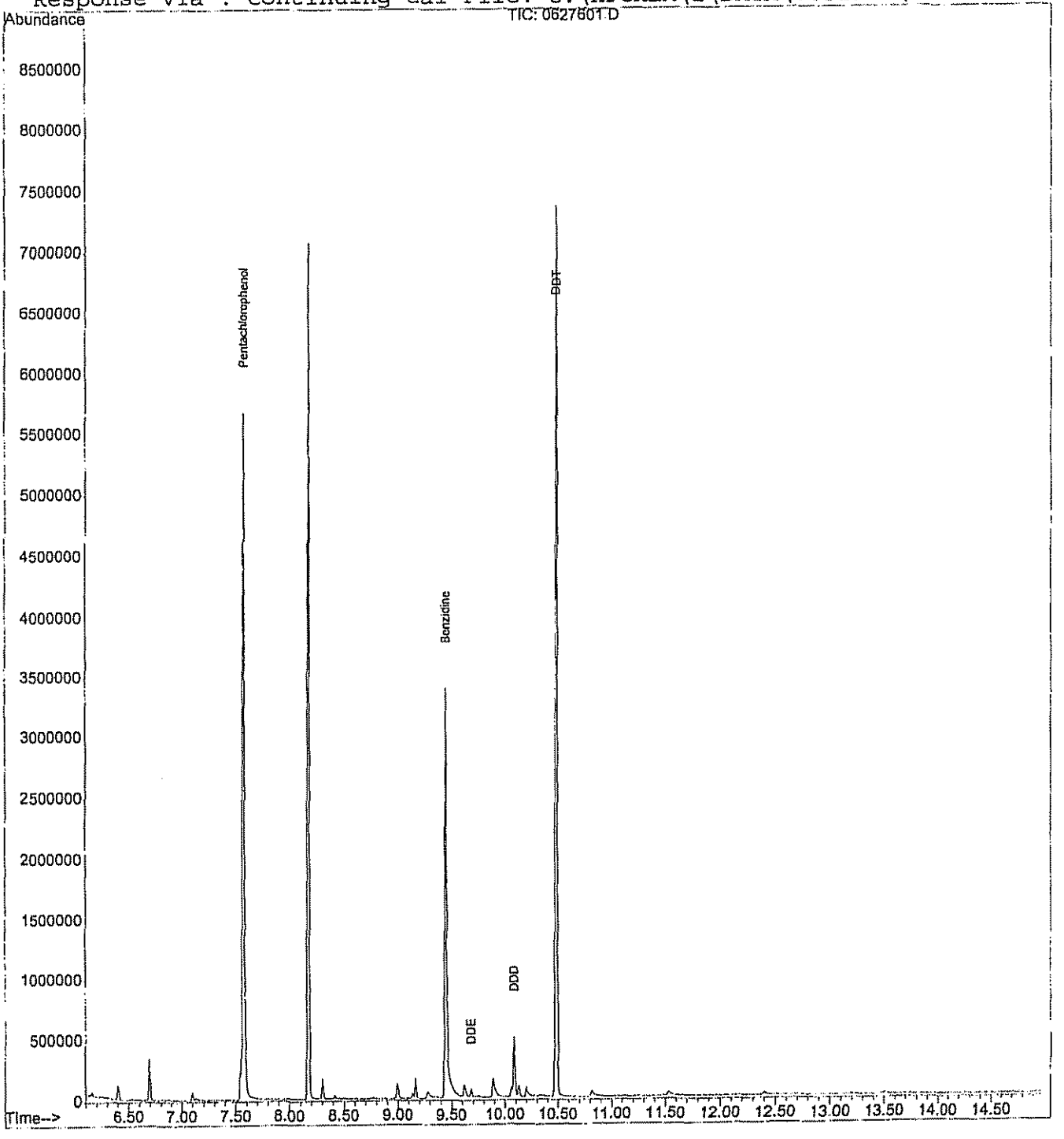
Quantitation Report

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: DFTPP.RES

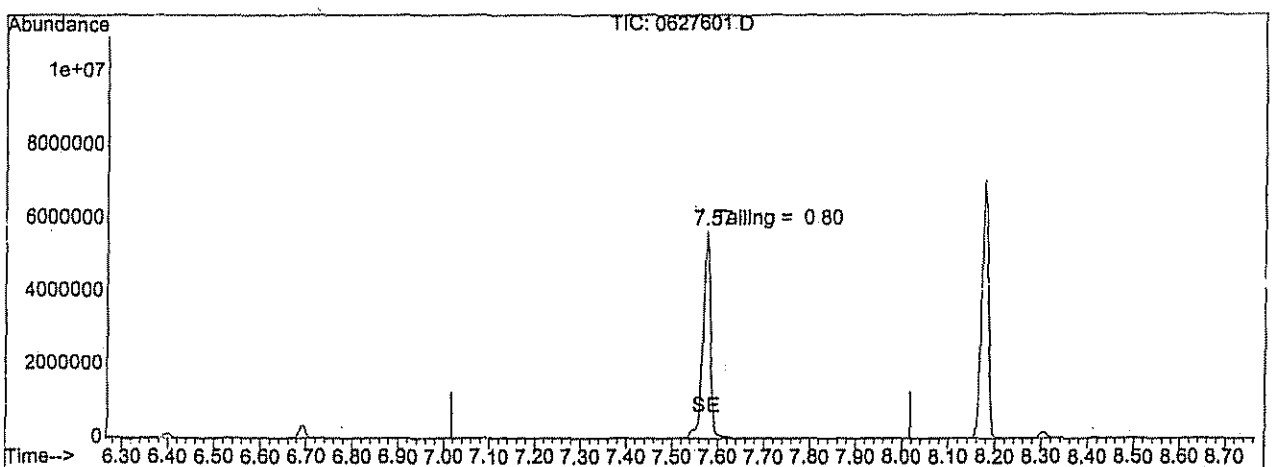
Method : C:\HPCHEM\1\DATA\6062705\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6051905\0519601.D

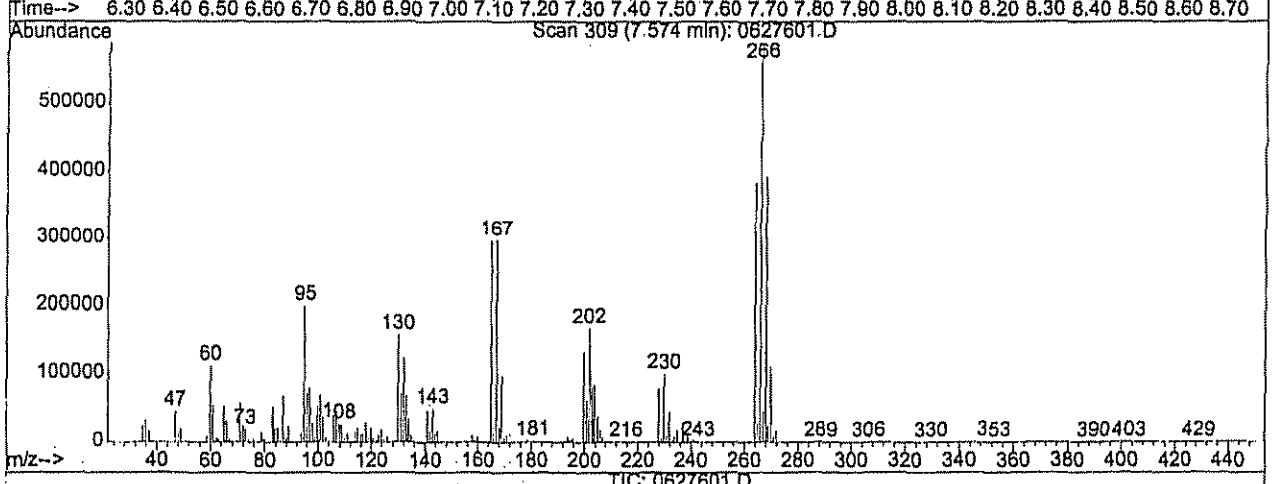


Quantitation Report (Qedit)

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





(1) Pentachlorophenol

7.57min 4.03

response 6457064

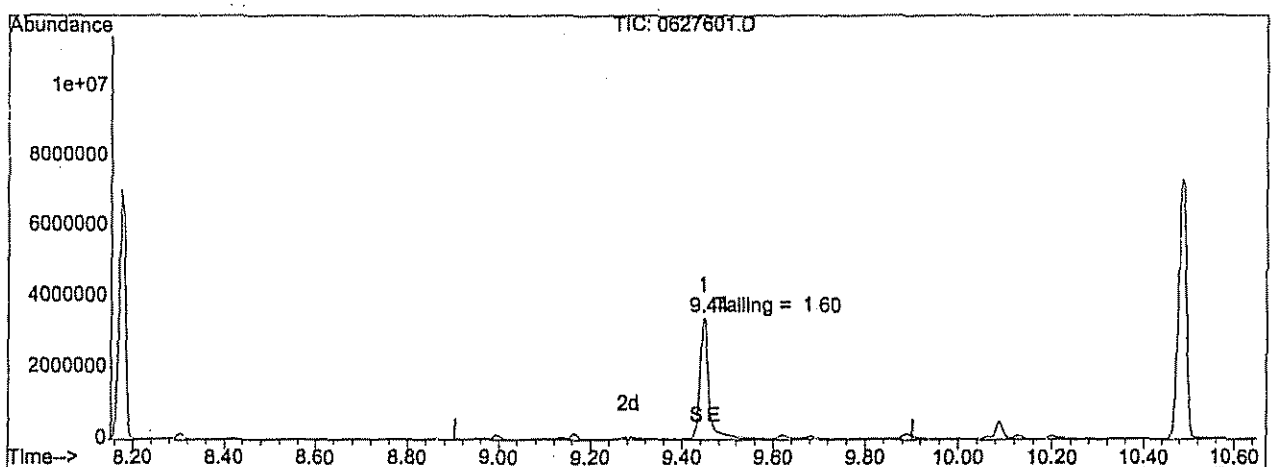
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

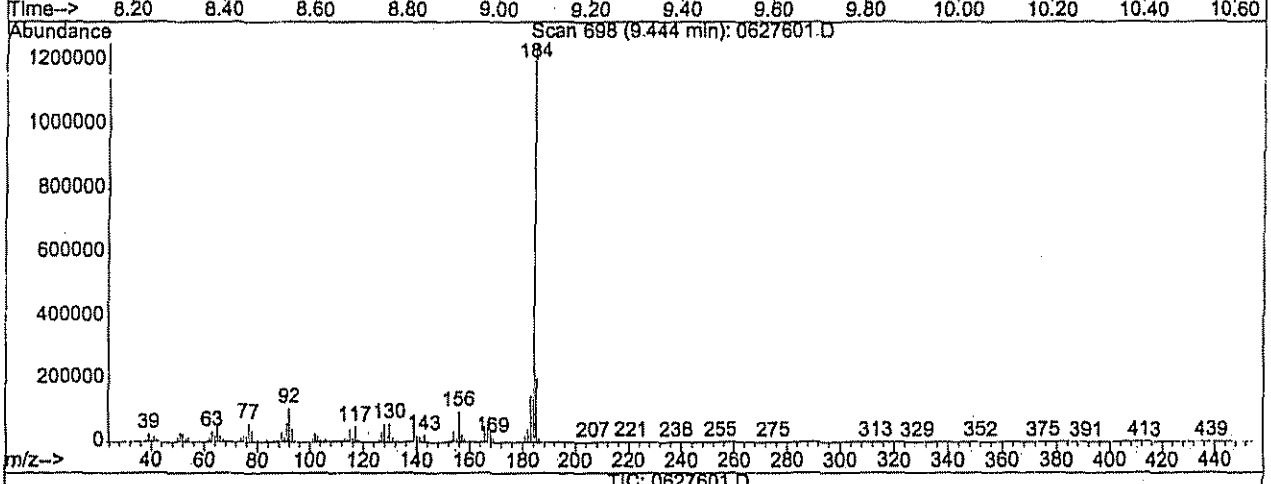
0627601.D DFTPP.M Tue Jun 28 07:32:39 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627601.D 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

(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%**

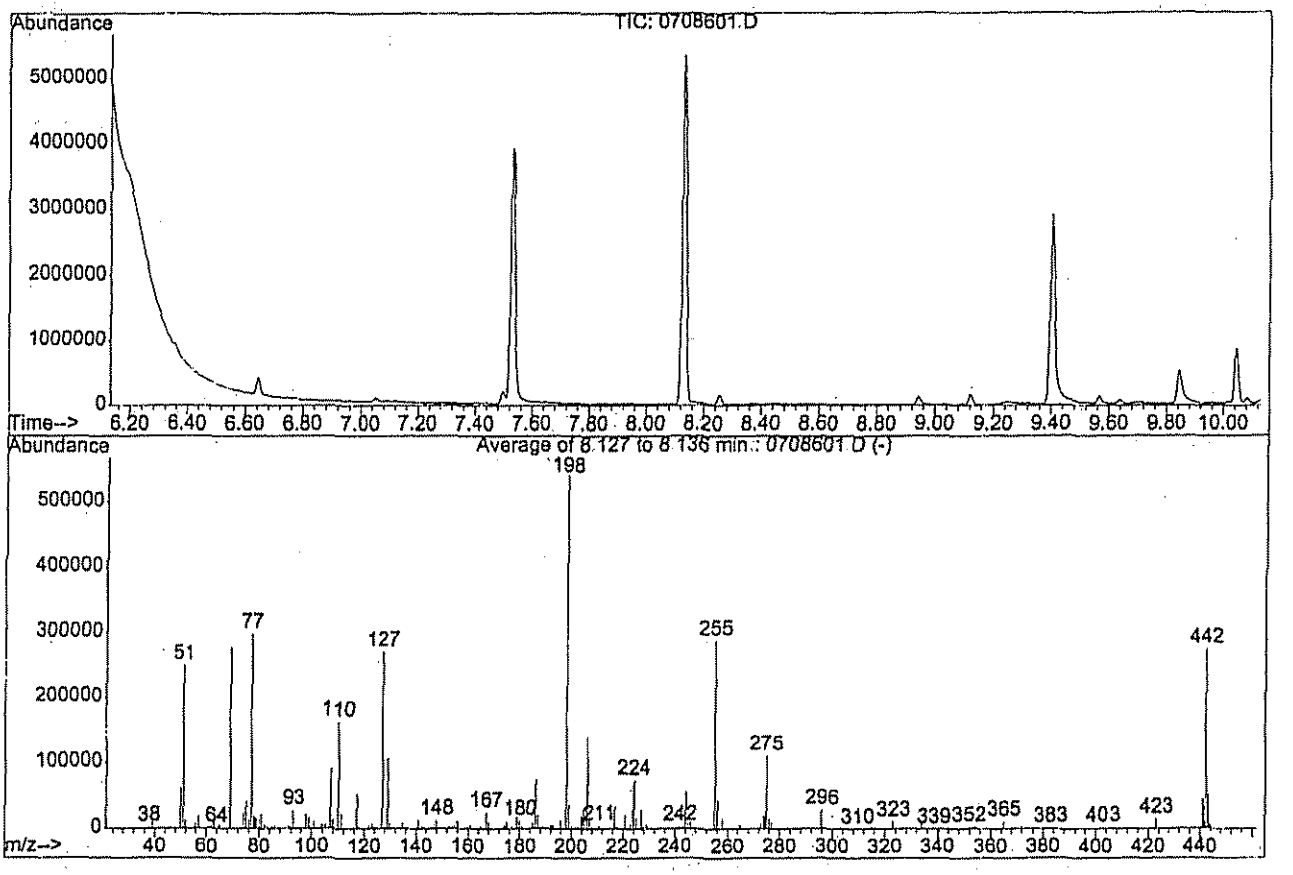
Date: 06/27/05

Instrument: MSD6

File: 0627601.d

DFTPP

Data File : C:\HPCHEM\1\DATA\6070805\0708601.D Vial: 1
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\DATA\6070805\DFTPP.M (RTE Integrator)
Title :



AutoFind: Scans 423, 424, 425; Background Corrected with Scan 415

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	46.1	249289	PASS
68	69	0.00	2	0.4	1238	PASS
69	198	0.00	100	51.4	278353	PASS
70	69	0.00	2	0.6	1597	PASS
127	198	40	60	50.1	270933	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	541227	PASS
199	198	5	9	6.7	36123	PASS
275	198	10	30	20.5	110936	PASS
365	198	1	100	2.1	11440	PASS
441	443	0.01	100	88.5	44496	PASS
442	198	40	100	51.0	275947	PASS
443	442	17	23	18.2	50293	PASS

0708601.D DFTPP.M Fri Jul 08 14:22:20 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708601.D Vial: 1
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:38 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	4666684	2.91	100
2) Benzidine	9.41	TIC	3792993	4.18	100
3) DDT	10.43	TIC	6373287	11.93	100
4) DDD	10.05	TIC	827364m	160.99	
5) DDE	9.64	TIC	65010m	3.36	

(#) = qualifier out of range (m) = manual integration
0708601.D DFTPP.M Tue Jul 12 09:38:21 2005 ENV Page 1

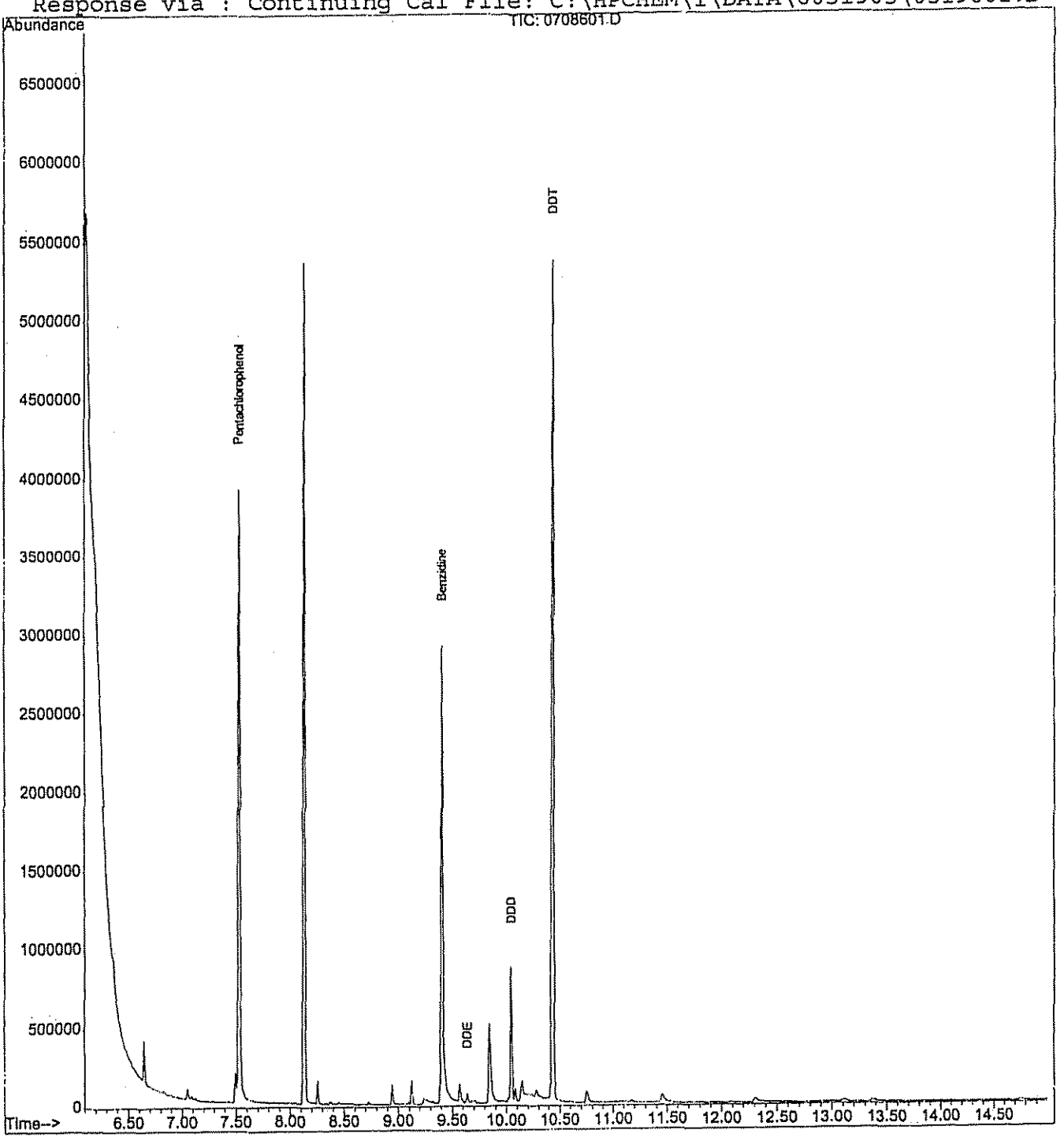
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6070805\0708601.D
Acq On : 8 Jul 2005 2:07 pm
Sample : DFTPP 50ng
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 12 9:38 2005

Vial: 1
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: DFTPP.RES

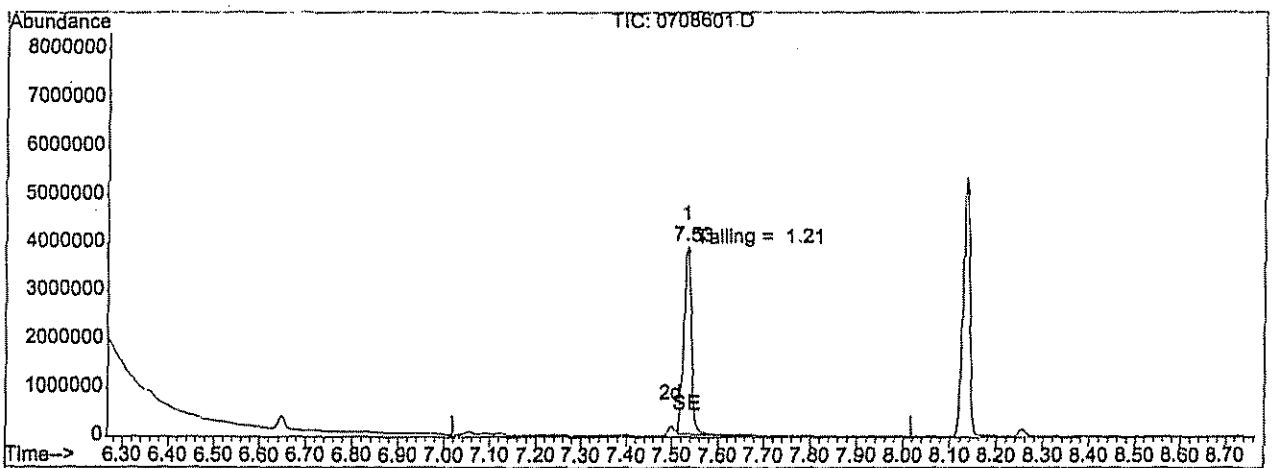
Method : C:\HPCHEM\1\DATA\6070805\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6051905\0519601.D

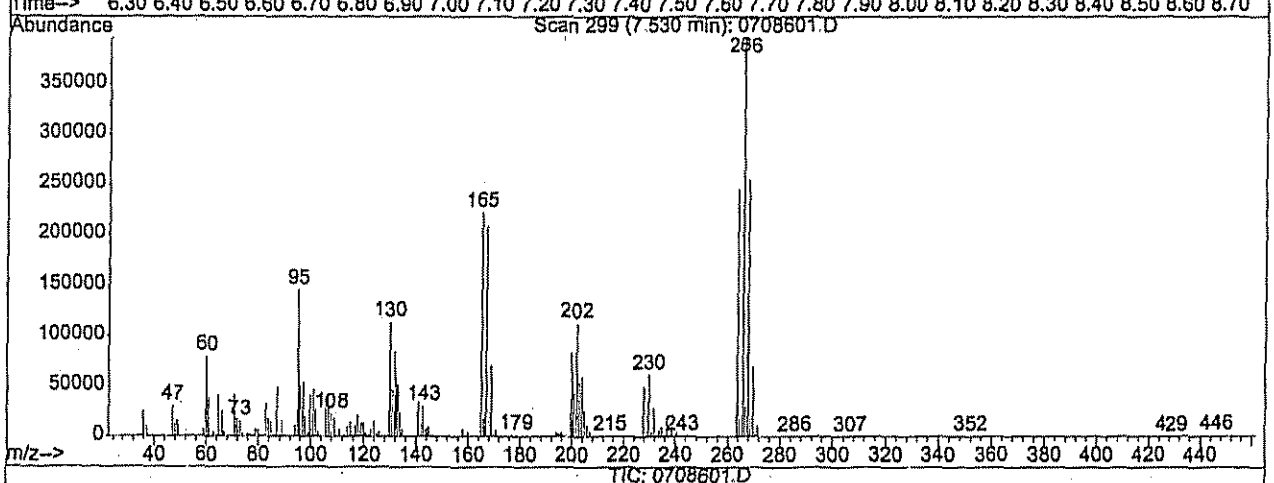


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6070805\0708601.D Vial: 1
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:38 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6070805\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Single Level Calibration





(1) Pentachlorophenol

7.53min 2.91

response 4666684

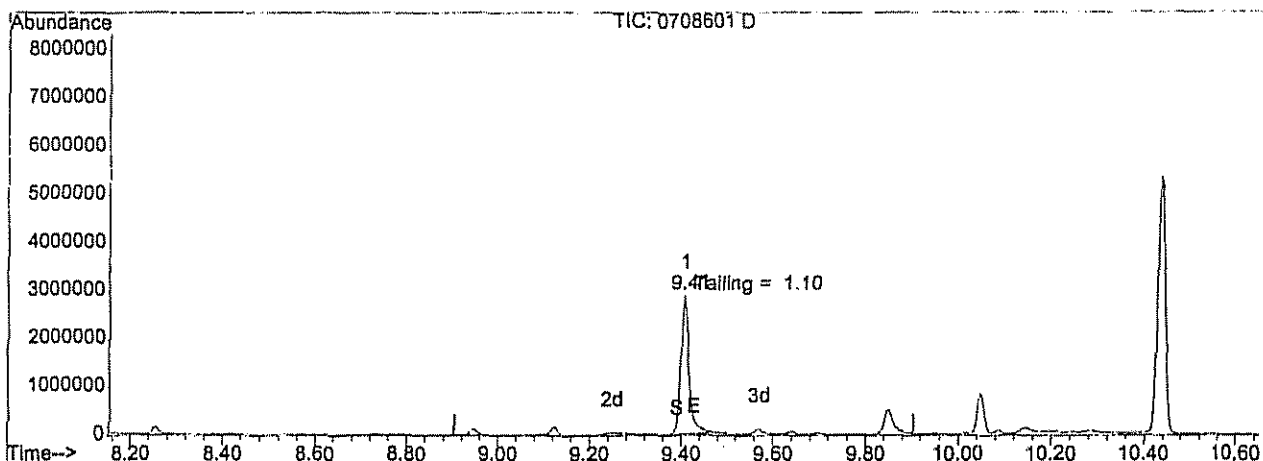
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

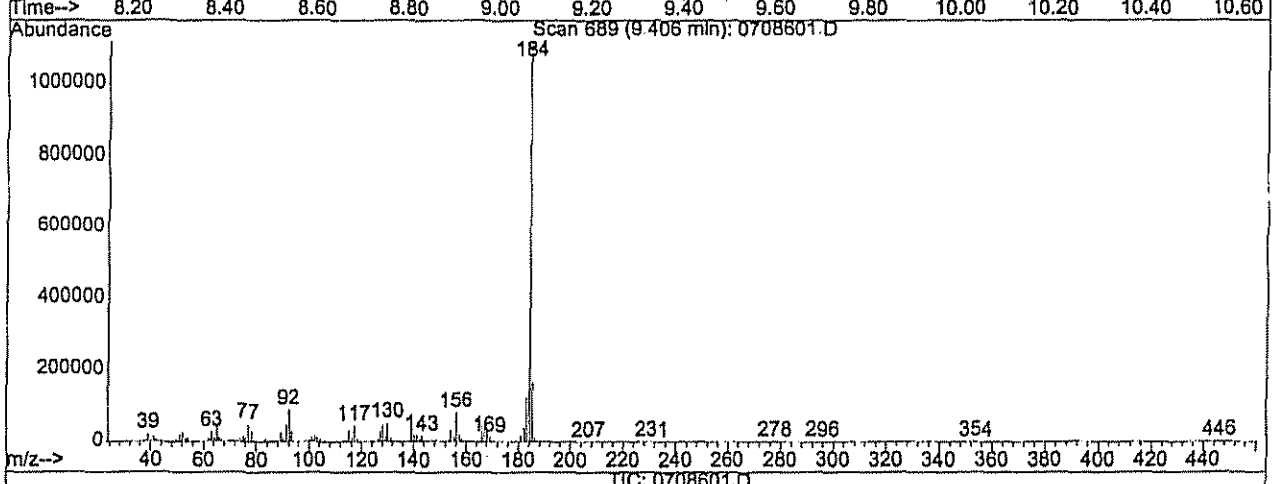
0708601.D DFTPP.M Tue Jul 12 09:38:37 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6070805\0708601.D Vial: 1
Acq On : 8 Jul 2005 2:07 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:38 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6070805\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Single Level Calibration





(2) Benzidine

9.41min 4.10 m

response 3725052

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

0708601.D DFTPP.M Tue Jul 12 09:38:59 2005 ENV

DDT Breakdown Report

DFTPP TUNE

		Area
GCMS	DDT	6373287
	DDD	827364
	DDE	65010
	% Breakdown =	**12.28%**

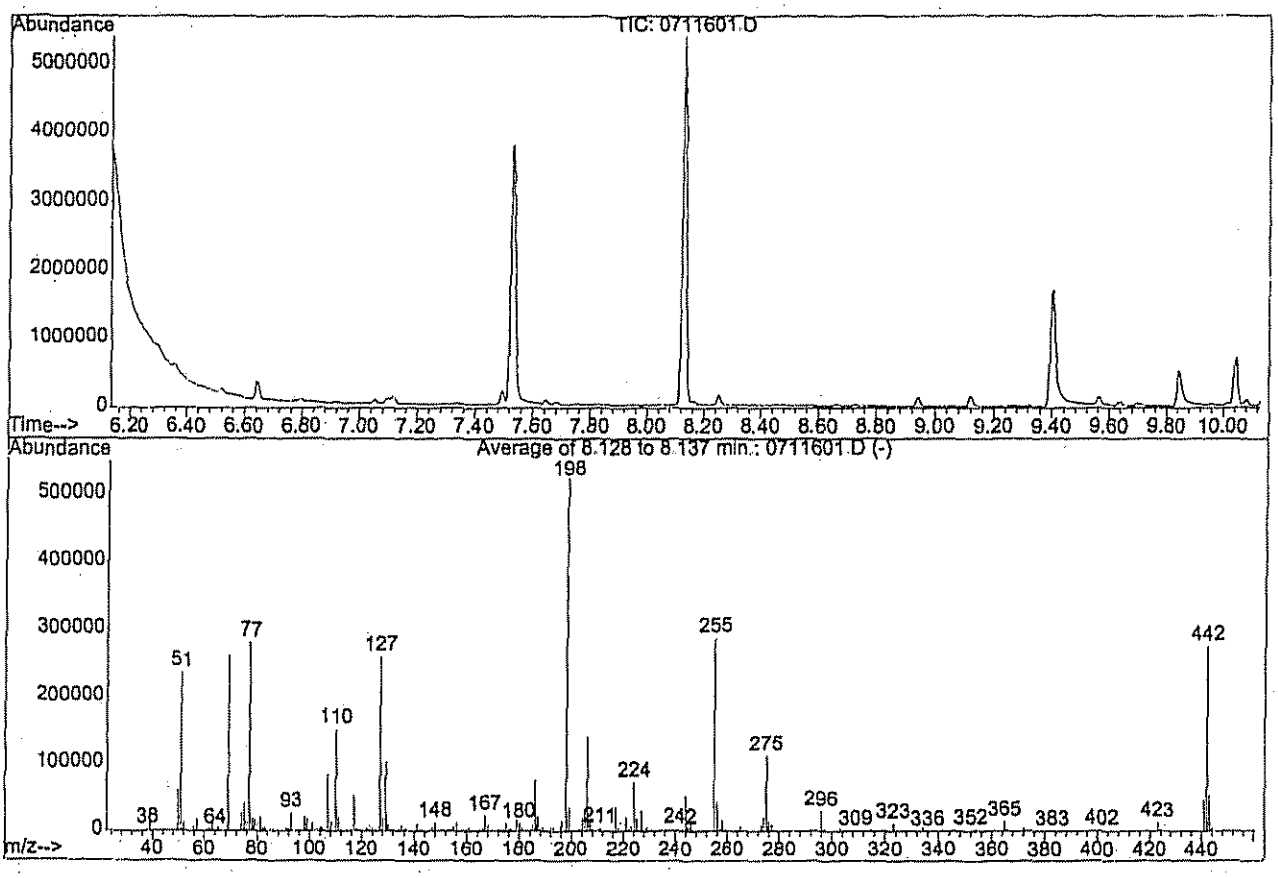
Date: 07/08/05

Instrument: MSD6

File: 0708601.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	

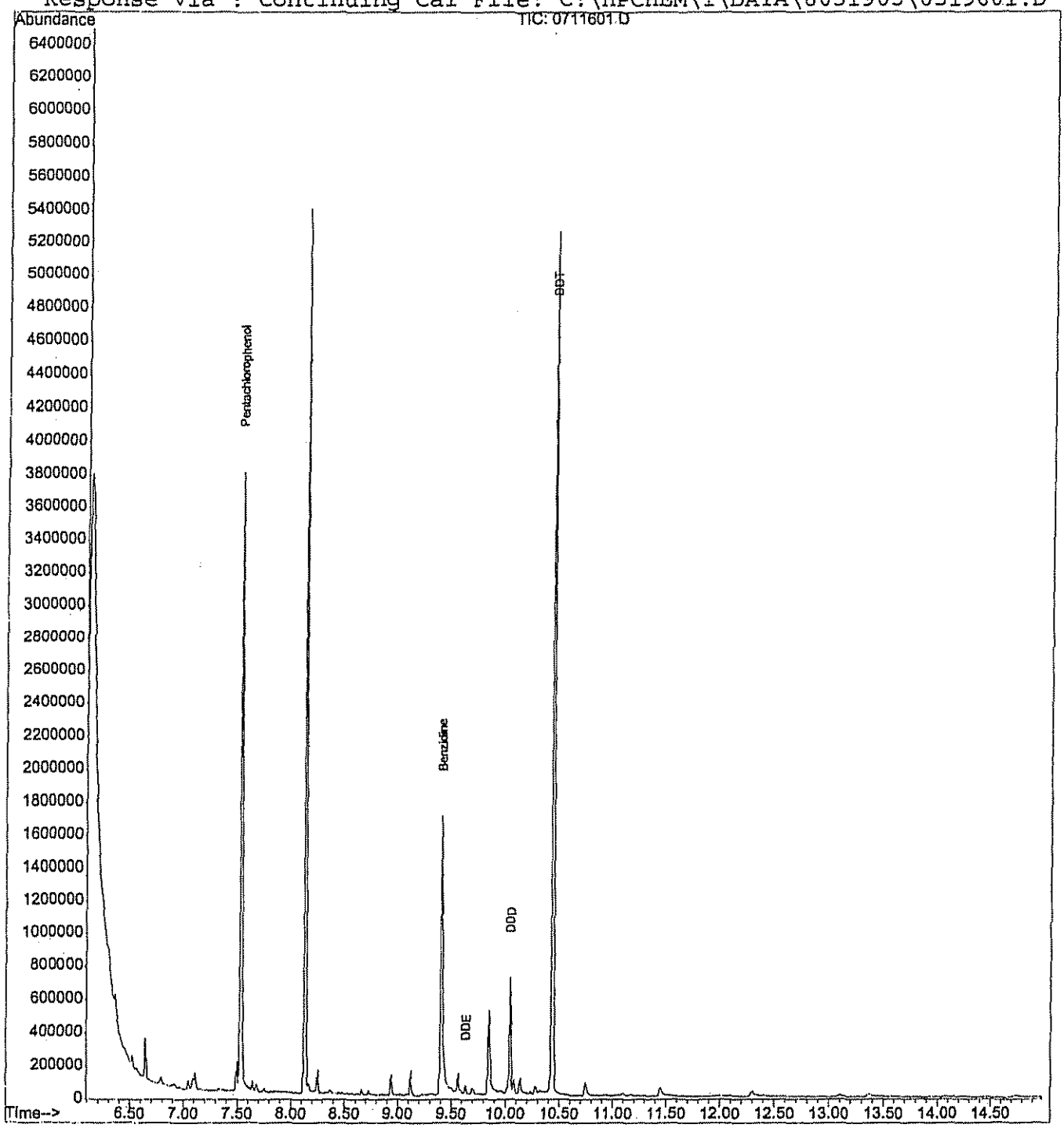
(#) = qualifier out of range (m) = manual integration

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

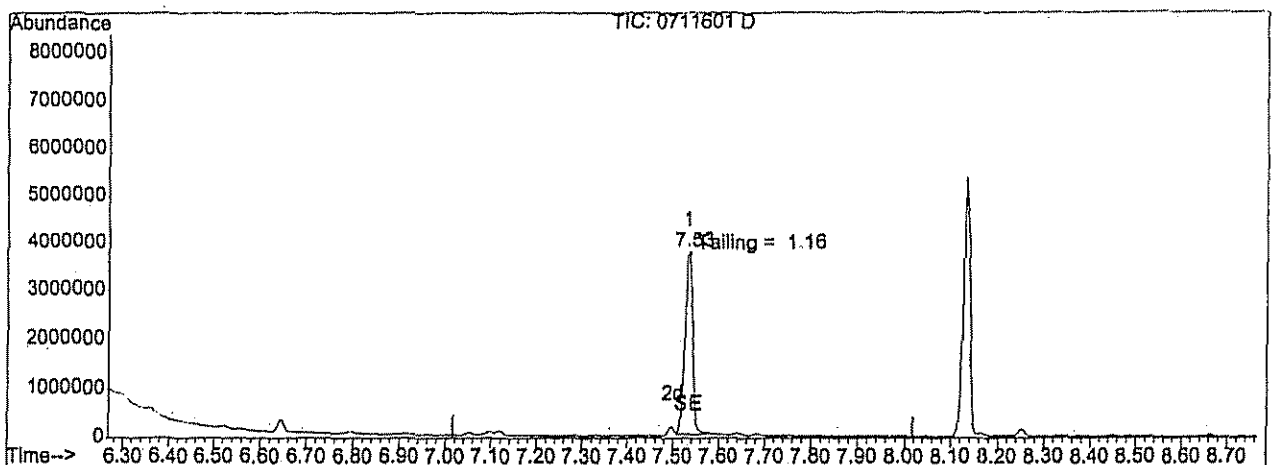
Method : C:\HPCHEM\1\DATA\6070805\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6051905\0519601.D

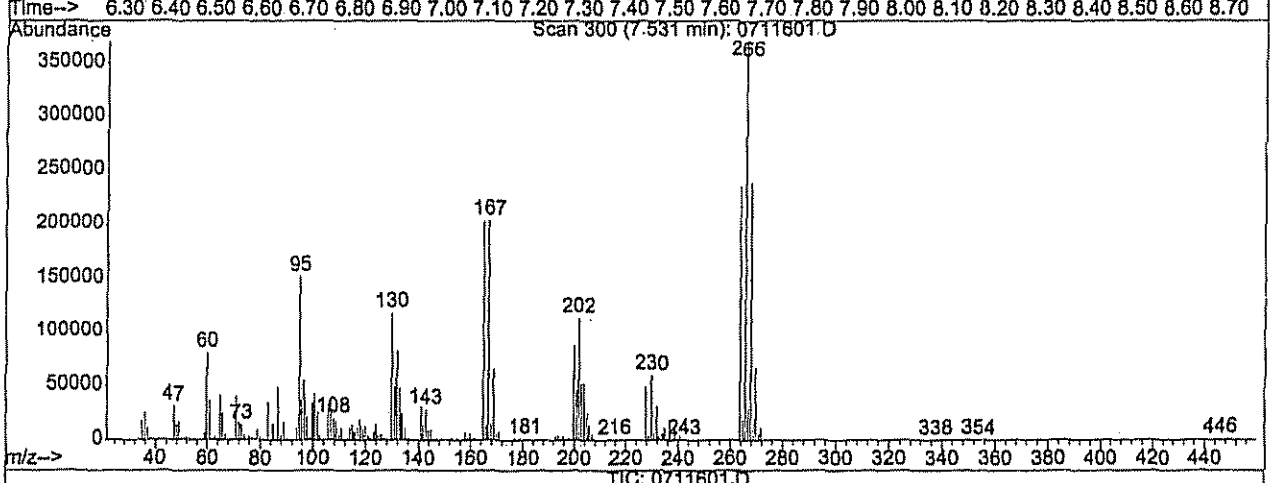


Quantitation Report (Qedit)

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

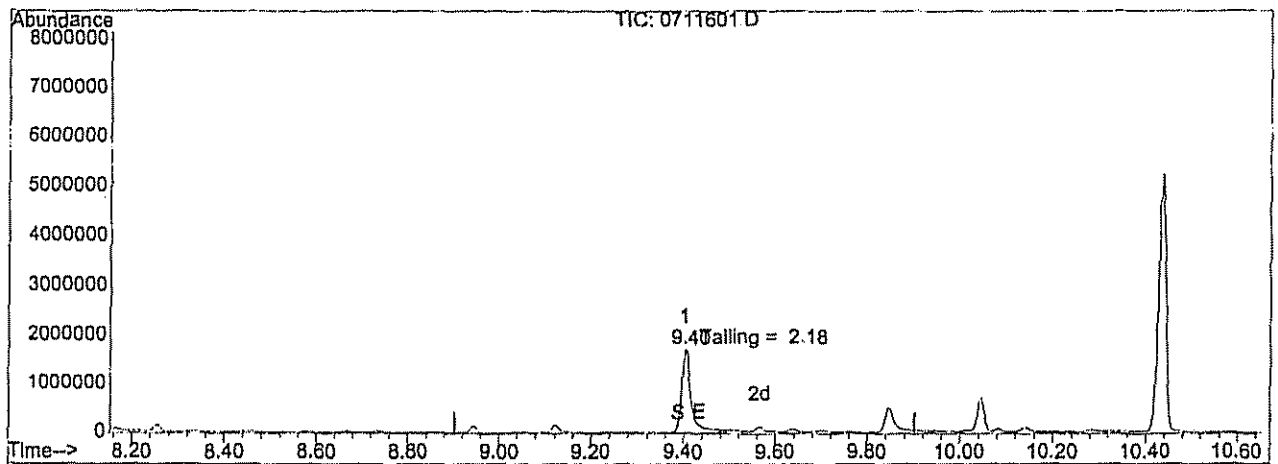
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

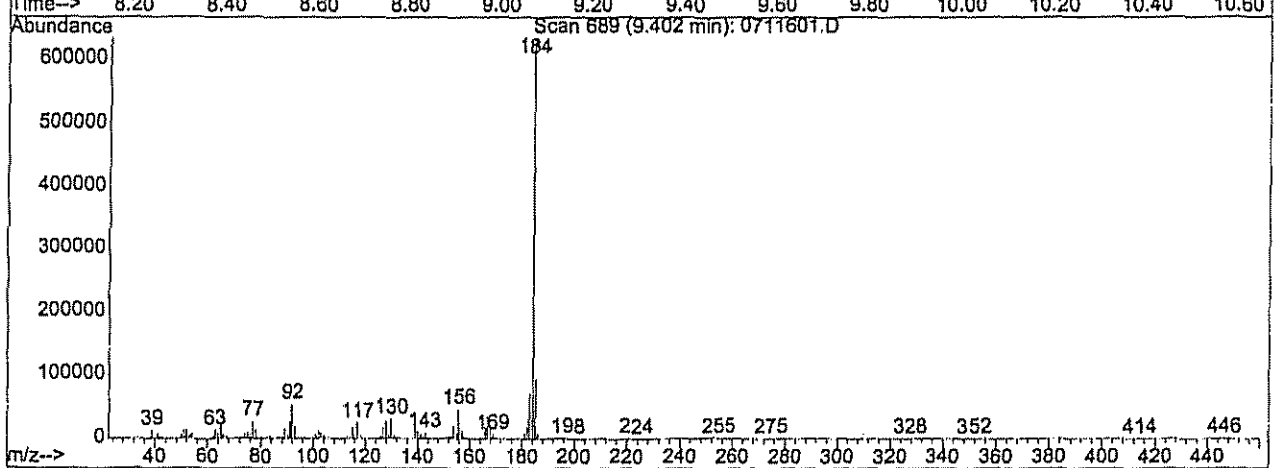
0711601.D DFTPP.M Tue Jul 12 09:56:43 2005 ENV

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%**

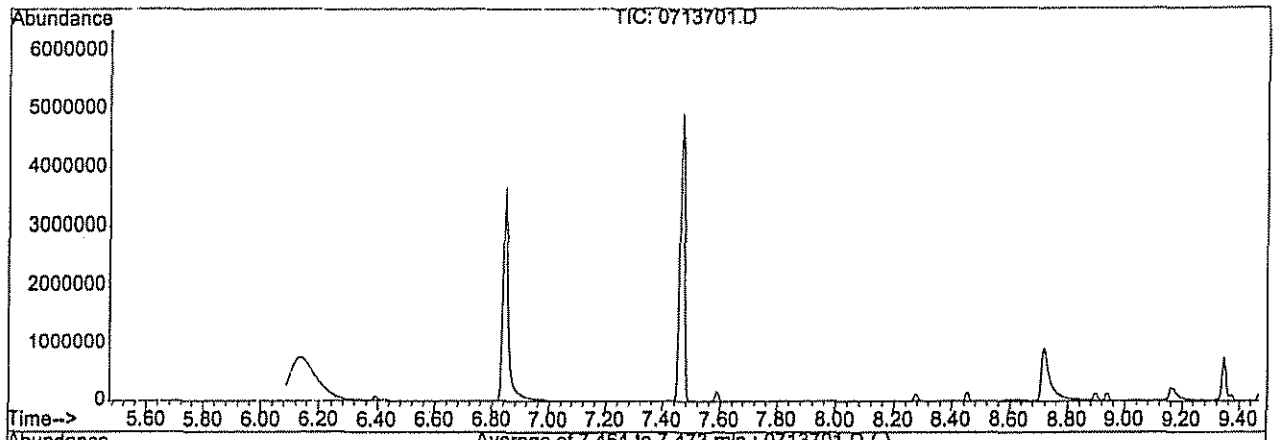
Date: 07/11/05

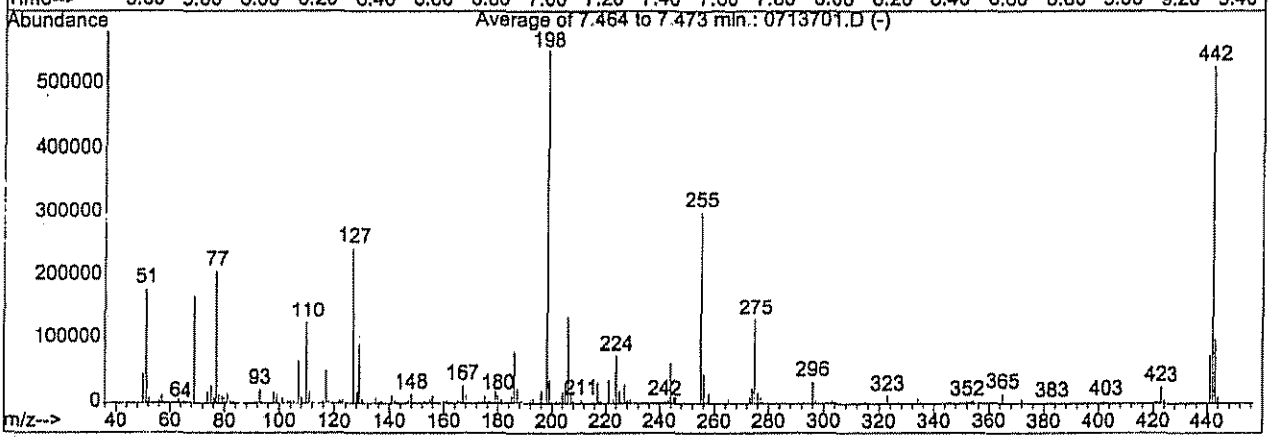
Instrument: MSD6

File: 0711601.D

DFTPP

Data File : C:\MSDCHEM\1\DATA\7071305\0713701.D Vial: 1
Acq On : 13 Jul 2005 8:06 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\DATA\7071305\DFTPP.M (RTE Integrator)
Title :





AutoFind: Scans 291, 292, 293; Background Corrected with Scan 284

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.3	179029	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	30.4	168213	PASS
70	69	0.00	2	0.4	734	PASS
127	198	40	60	44.1	244394	PASS
197	198	0.00	1	0.3	1560	PASS
198	198	100	100	100.0	553578	PASS
199	198	5	9	6.6	36512	PASS
275	198	10	30	23.7	131322	PASS
365	198	1	100	2.7	15066	PASS
441	443	0.01	100	74.8	75381	PASS
442	198	40	100	95.3	527424	PASS
443	442	17	23	19.1	100776	PASS

0713701.D DFTPP.M Wed Jul 13 08:21:13 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071305\0713701.D Vial: 1
Acq On : 13 Jul 2005 8:06 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 08:35:25 2005 Quant Results File: DFTPP.RES

Quant Method : C:\MSDCHEM\1\DATA\7071305\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	6.85	TIC	5000476	12.90	100
2) Benzidine	8.72	TIC	1951764m	4.59	
3) DDT	9.71	TIC	7409089	14.55	100
4) DDD	9.35	TIC	675633m	18.12	
5) DDE	8.94	TIC	112402m	27.69	

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

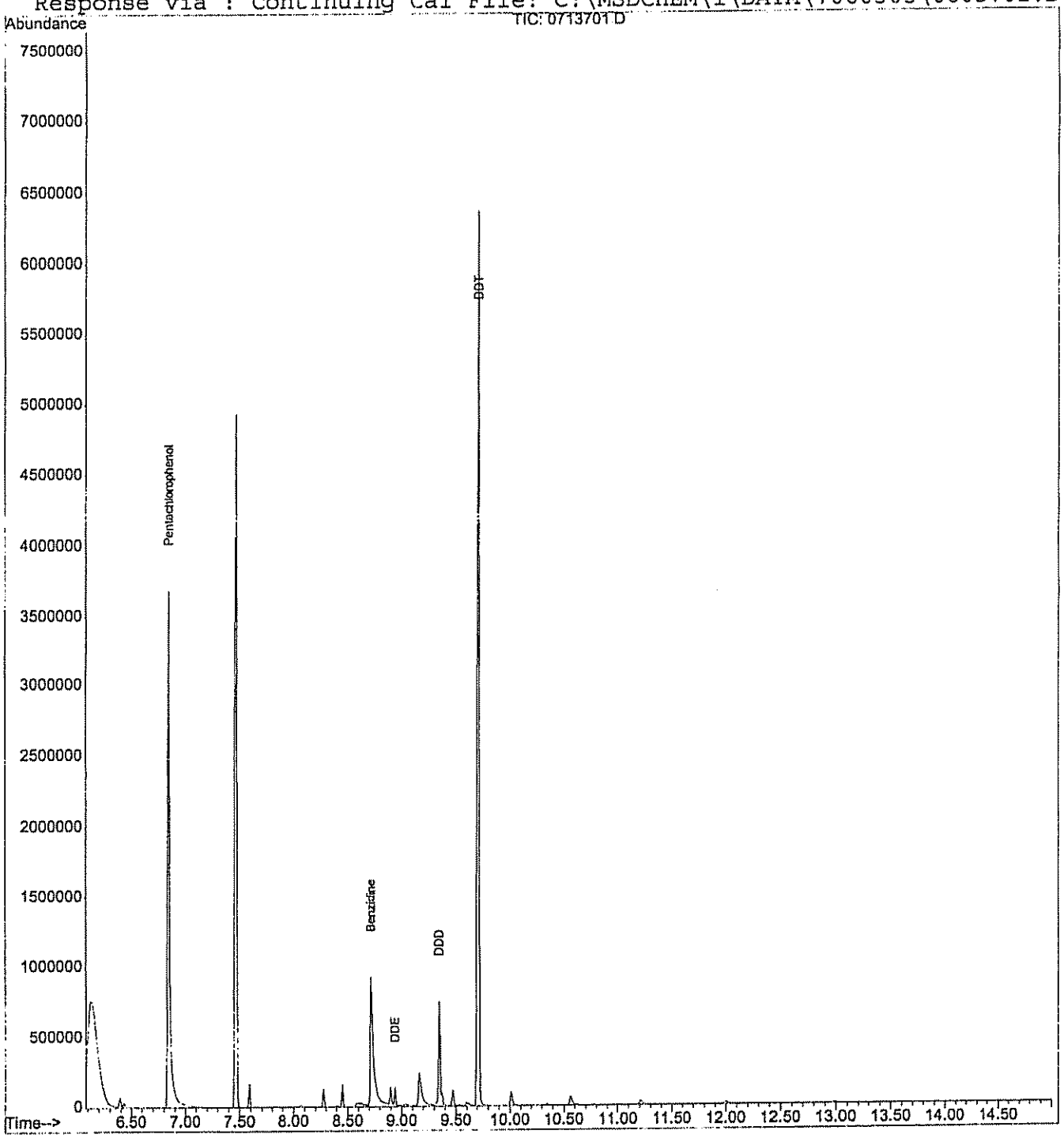
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071305\0713701.D
Acq On : 13 Jul 2005 8:06 am
Sample : DFTPP 50ng
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 13 8:35 2005

Vial: 1
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: DFTPP.RES

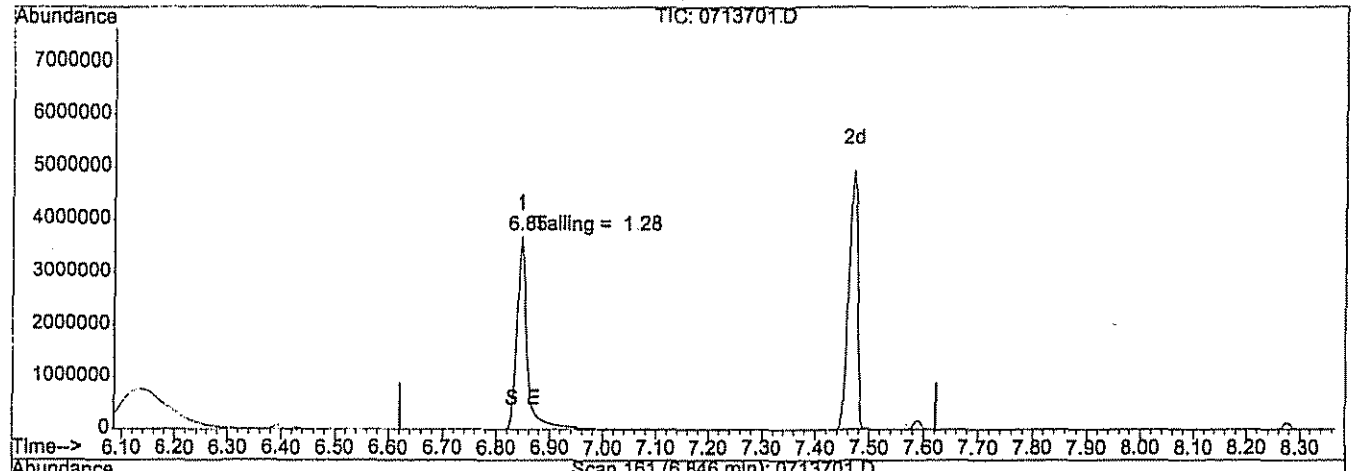
Method : C:\MSDCHEM\1\DATA\7071305\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Continuing Cal File: C:\MSDCHEM\1\DATA\7060305\0603701.D

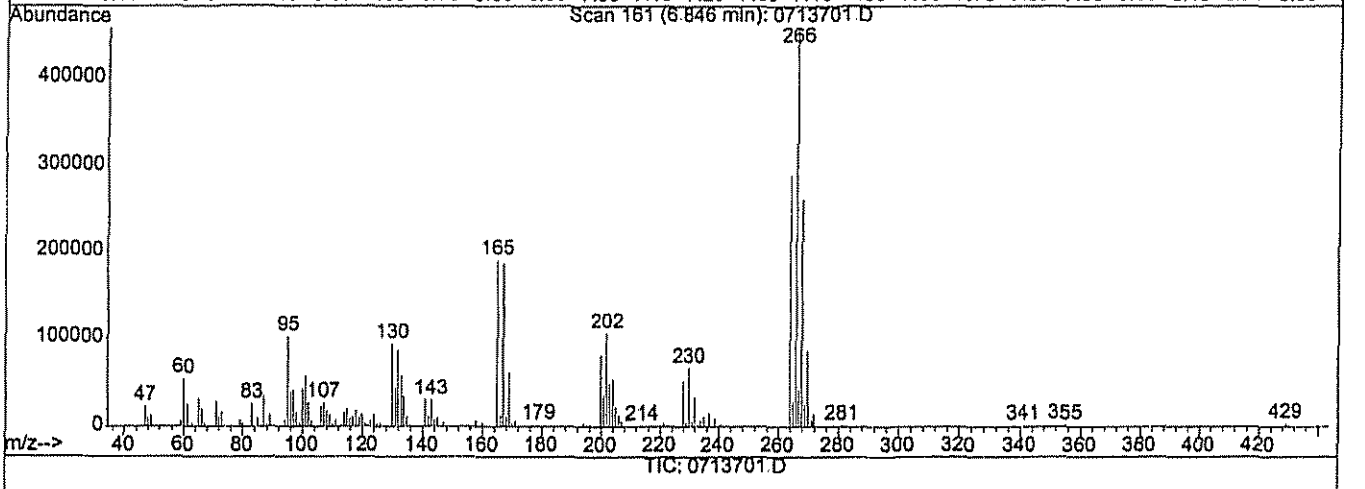


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071305\0713701.D Vial: 1
Acq On : 13 Jul 2005 8:06 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 8:35 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071305\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Single Level Calibration





TIC: 0713701.D

(1) Pentachlorophenol

6.85min 12.90

response 5000476

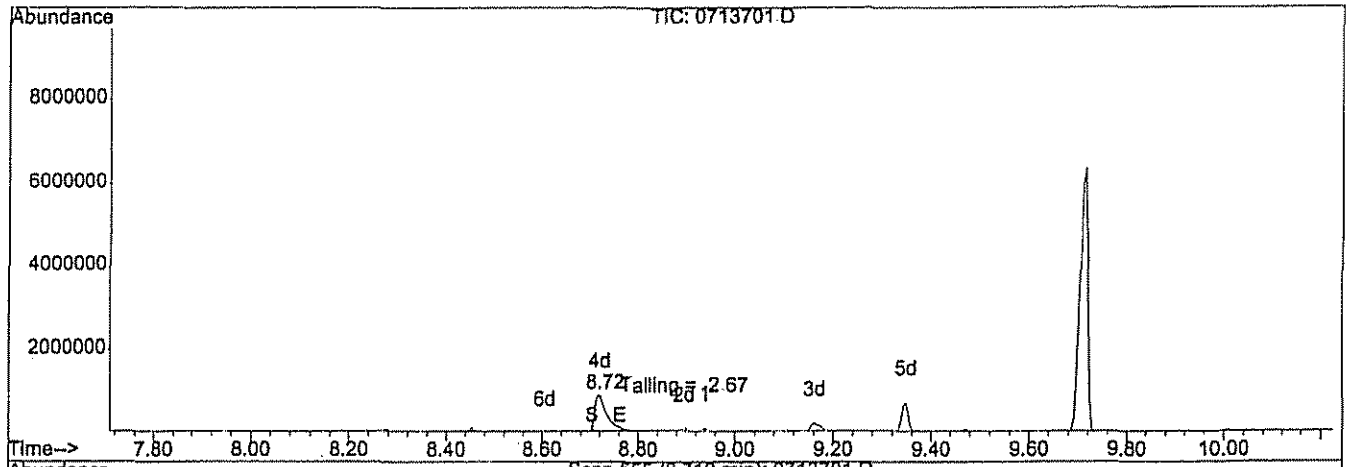
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

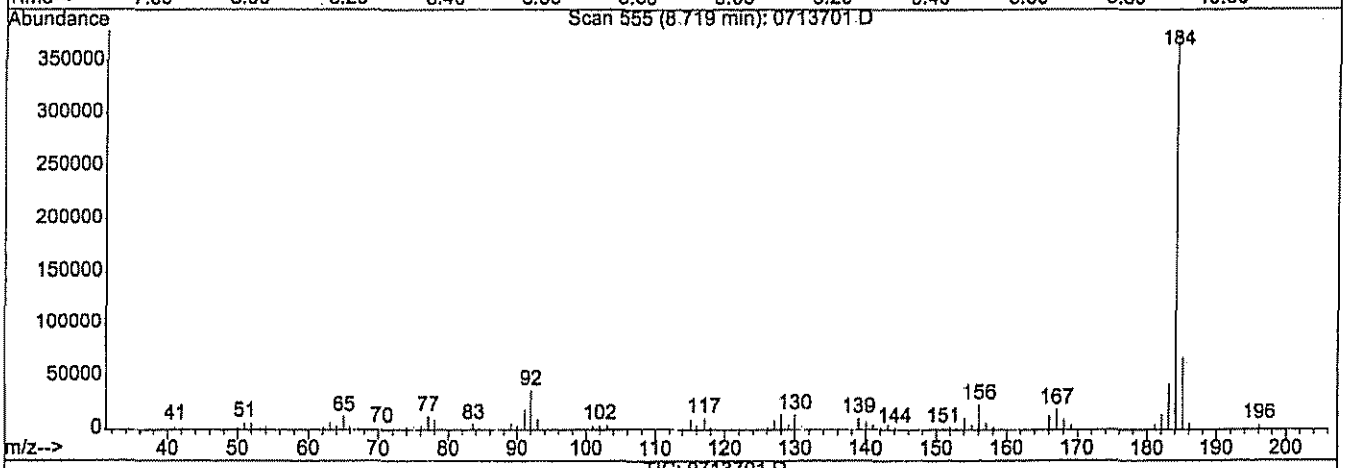
0713701.D DFTPP.M Wed Jul 13 08:36:19 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071305\0713701.D Vial: 1
Acq On : 13 Jul 2005 8:06 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 8:37 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071305\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Single Level Calibration





TIC: 0713701.D

(2) Benzidine

8.72min 3.40 m

response 1446575

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

0713701.D DFTPP.M Wed Jul 13 08:38:03 2005 ENV

DDT Breakdown Report

DFTPP TUNE

		Area
GCMS	DDT	7409087
	DDD	675633
	DDE	112402
	% Breakdown =	**9.61%**

Date: 07/13/05

Instrument: MSD7

File: 0713701.d

8270-BN Calibration Raw Data

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

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

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

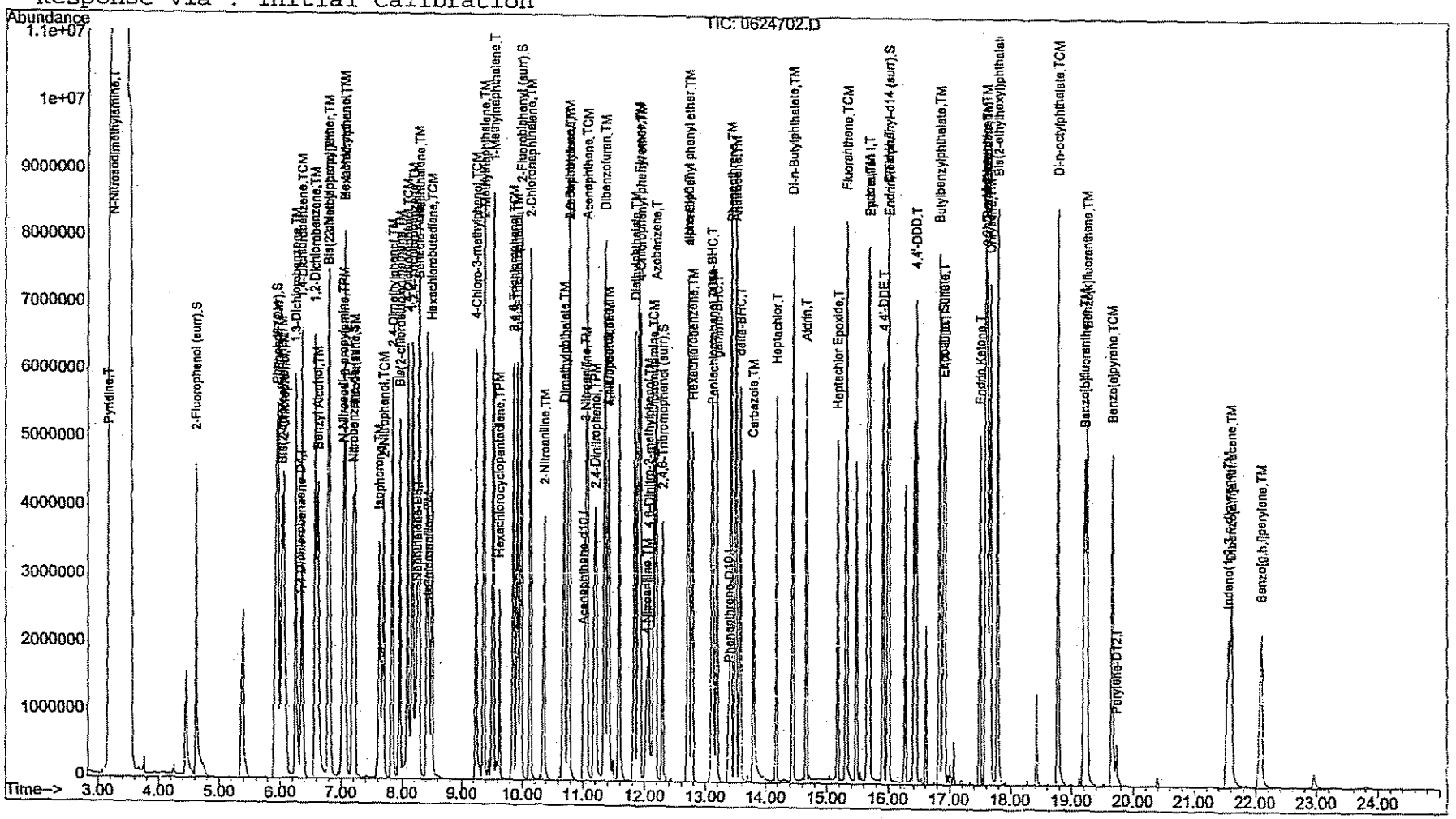
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D
Acq On : 24 Jun 2005 12:32 pm
Sample : SVCAL48
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 24 14:05 2005

Vial: 2
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

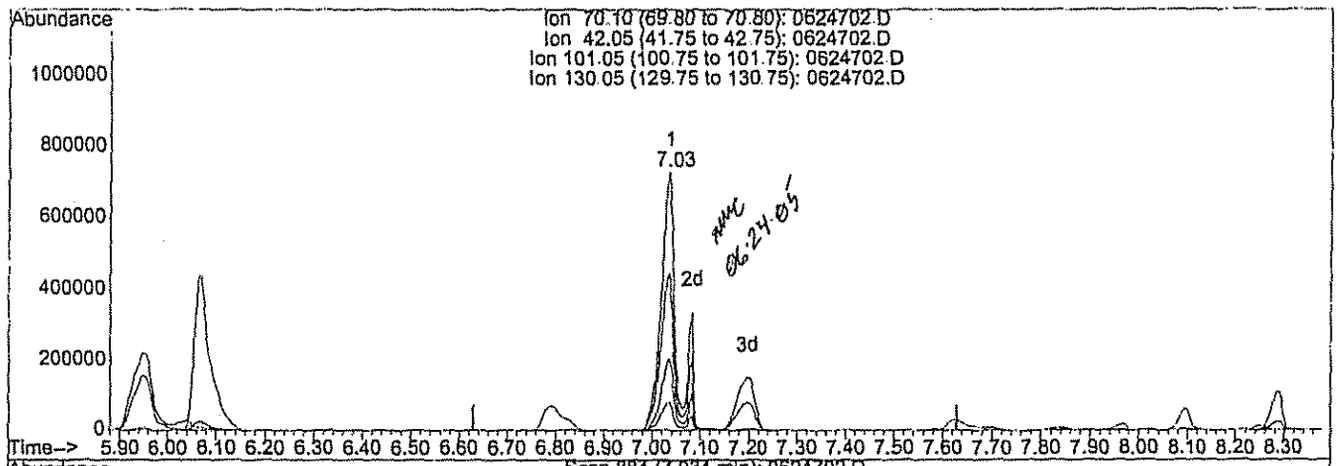
Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

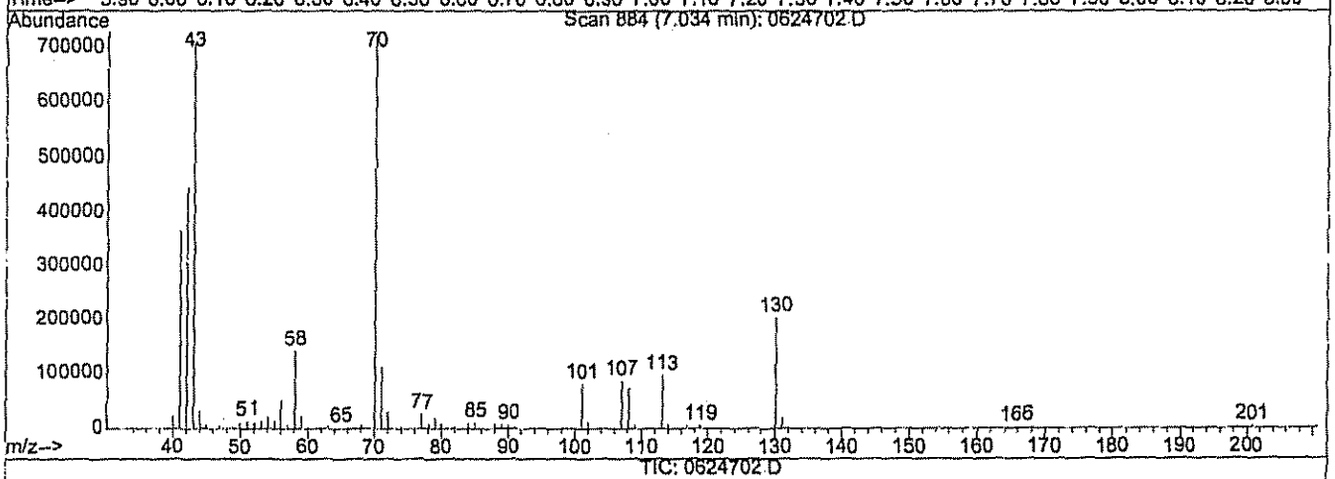


Quantitation Report (Qedit)

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





TIC: 0624702.D

(14) N-Nitrosodi-n-propylamine (TPM)

7.03min 32.16ug/mL m

response 1586496

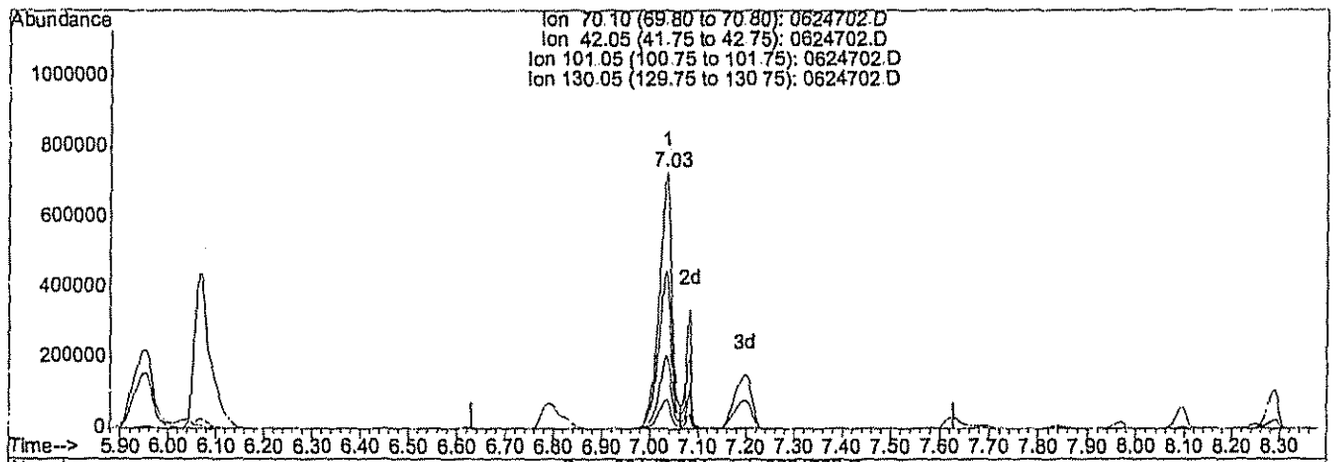
Ion	Exp%	Act%
70.10	100	100
42.05	61.90	61.24
101.05	11.20	11.25
130.05	28.10	28.15

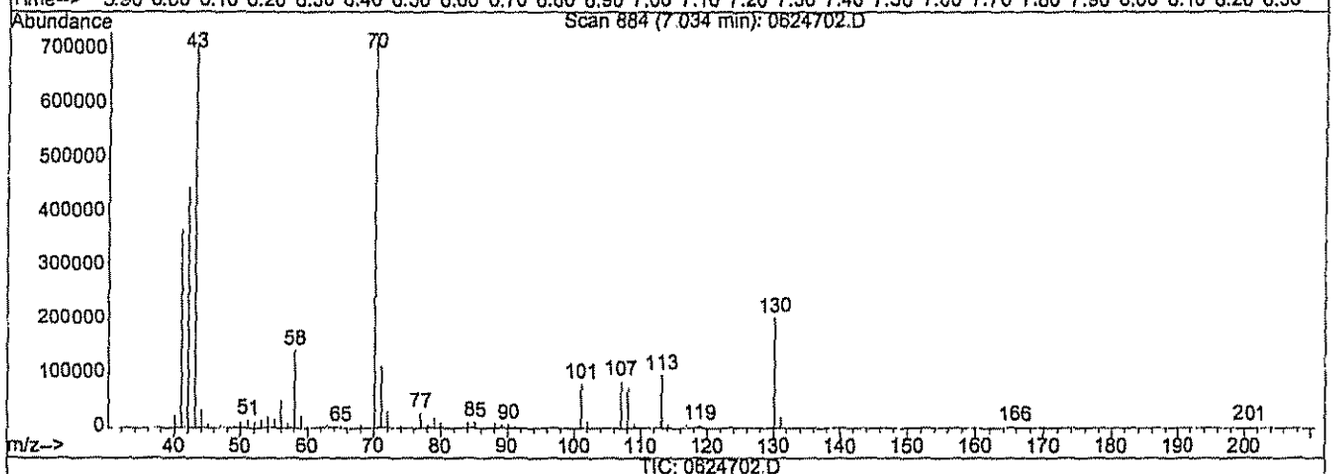
0624702.D 8270.M Fri Jun 24 14:03:54 2005 ENV

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 26.97ug/mL

response 1330170

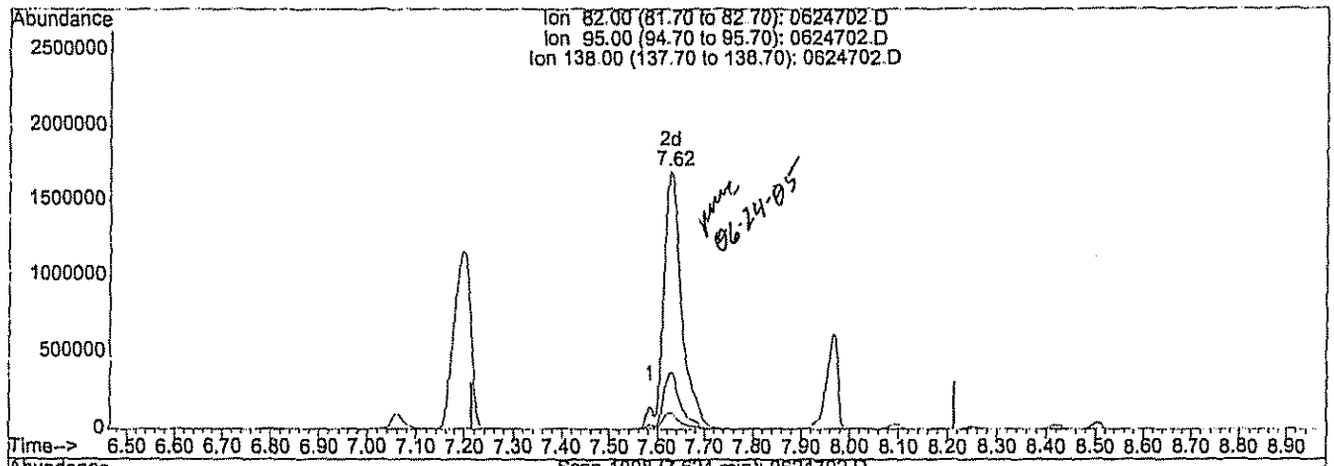
Ion	Exp%	Act%
70.10	100	100
42.05	61.90	60.91
101.05	11.20	11.25
130.05	28.10	28.15

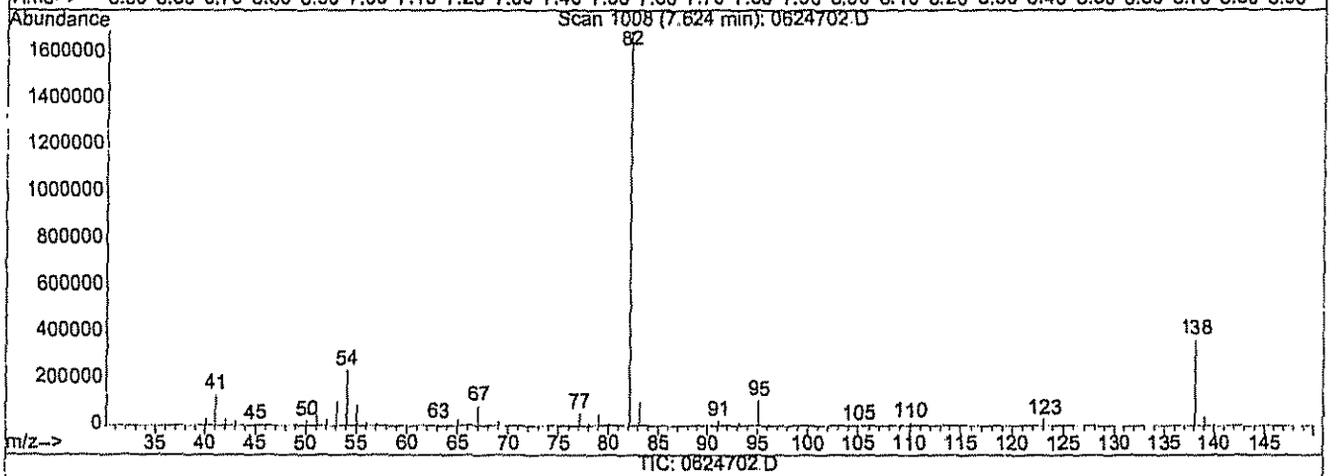
0624702.D 8270.M Fri Jun 24 14:03:50 2005 ENV

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

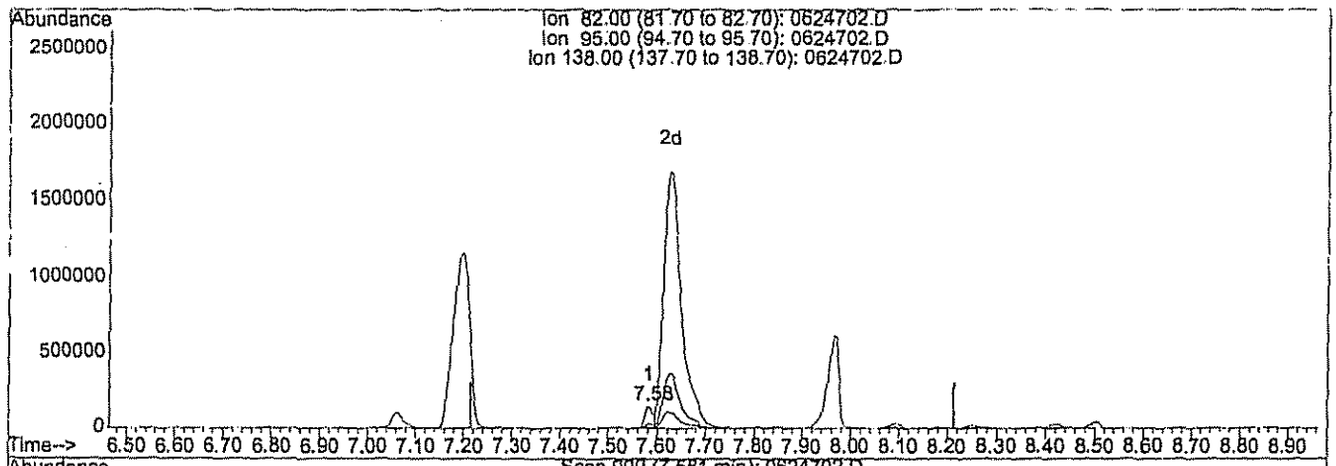
Ion	Exp%	Act%
82.00	100	100
95.00	6.30	6.36
138.00	20.80	21.69
0.00	0.00	0.00

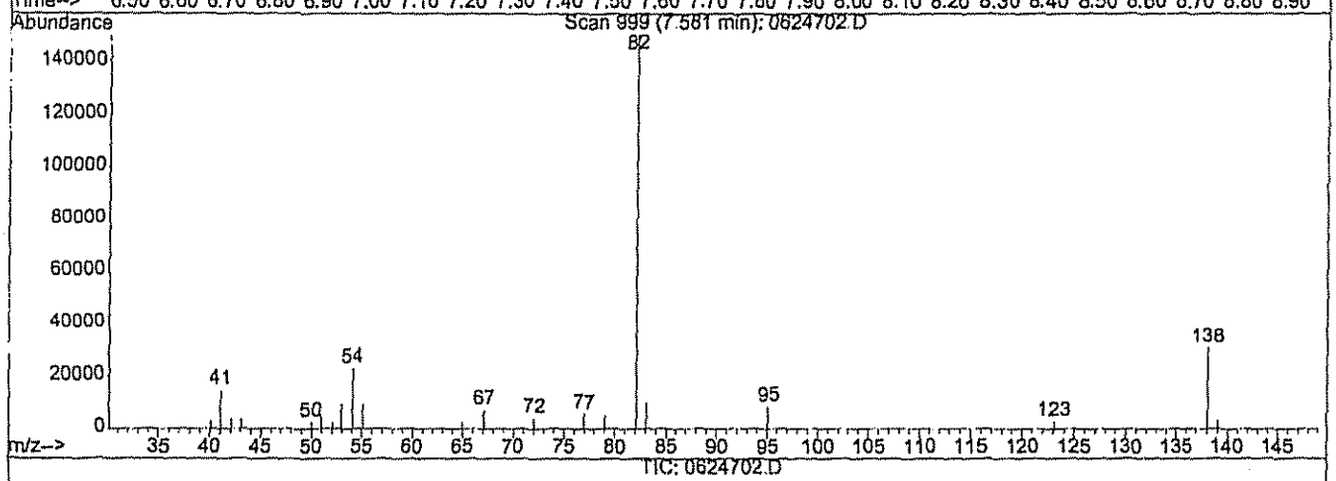
0624702.D 8270.M Fri Jun 24 14:04:08 2005 ENV

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





TIC: 0624702.D

(20) Isophorone (TM)

7.58min 1.36ug/mL

response 176814

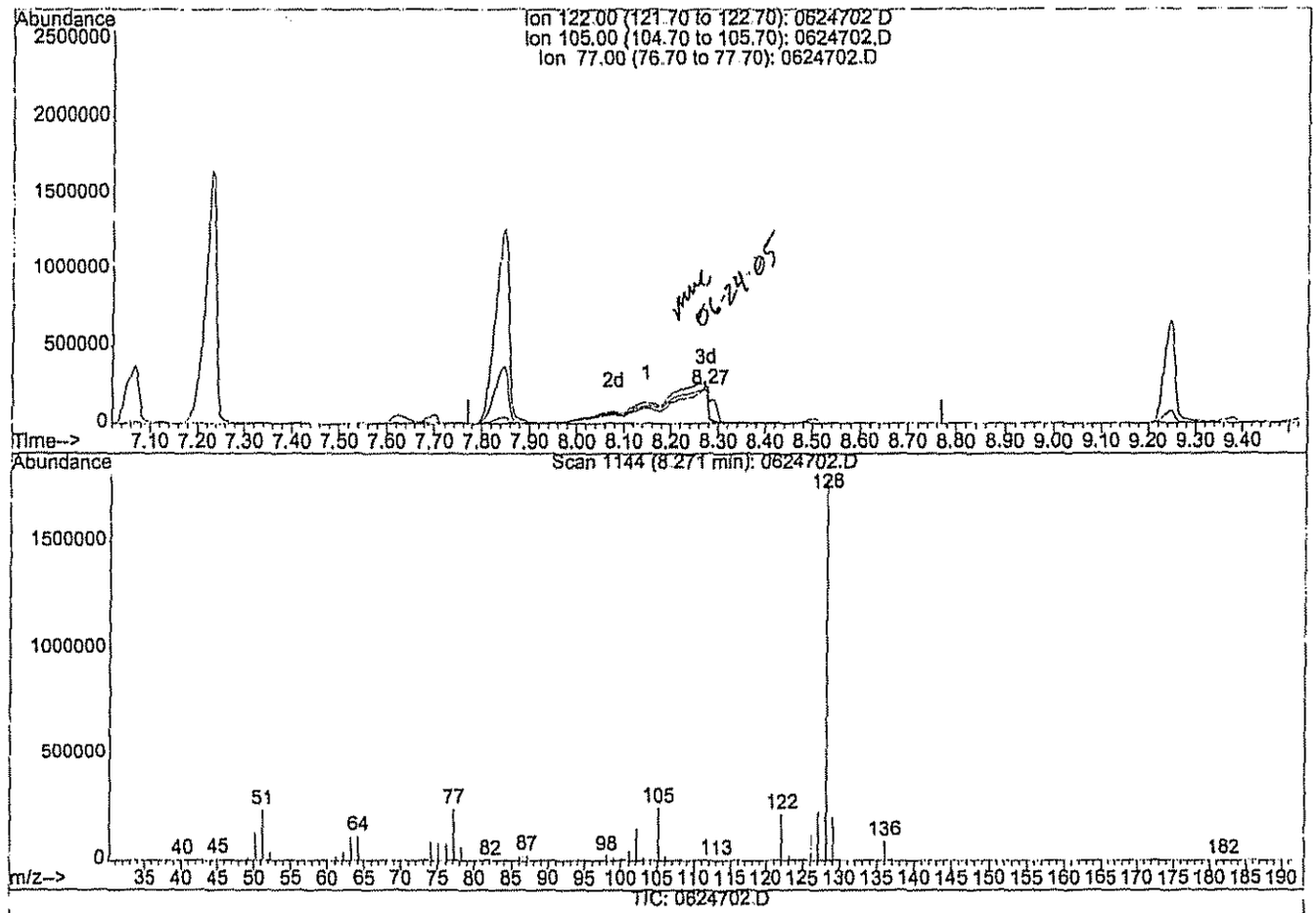
Ion	Exp%	Act%
82.00	100	100
95.00	6.30	5.83
138.00	20.80	20.75
0.00	0.00	0.00

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

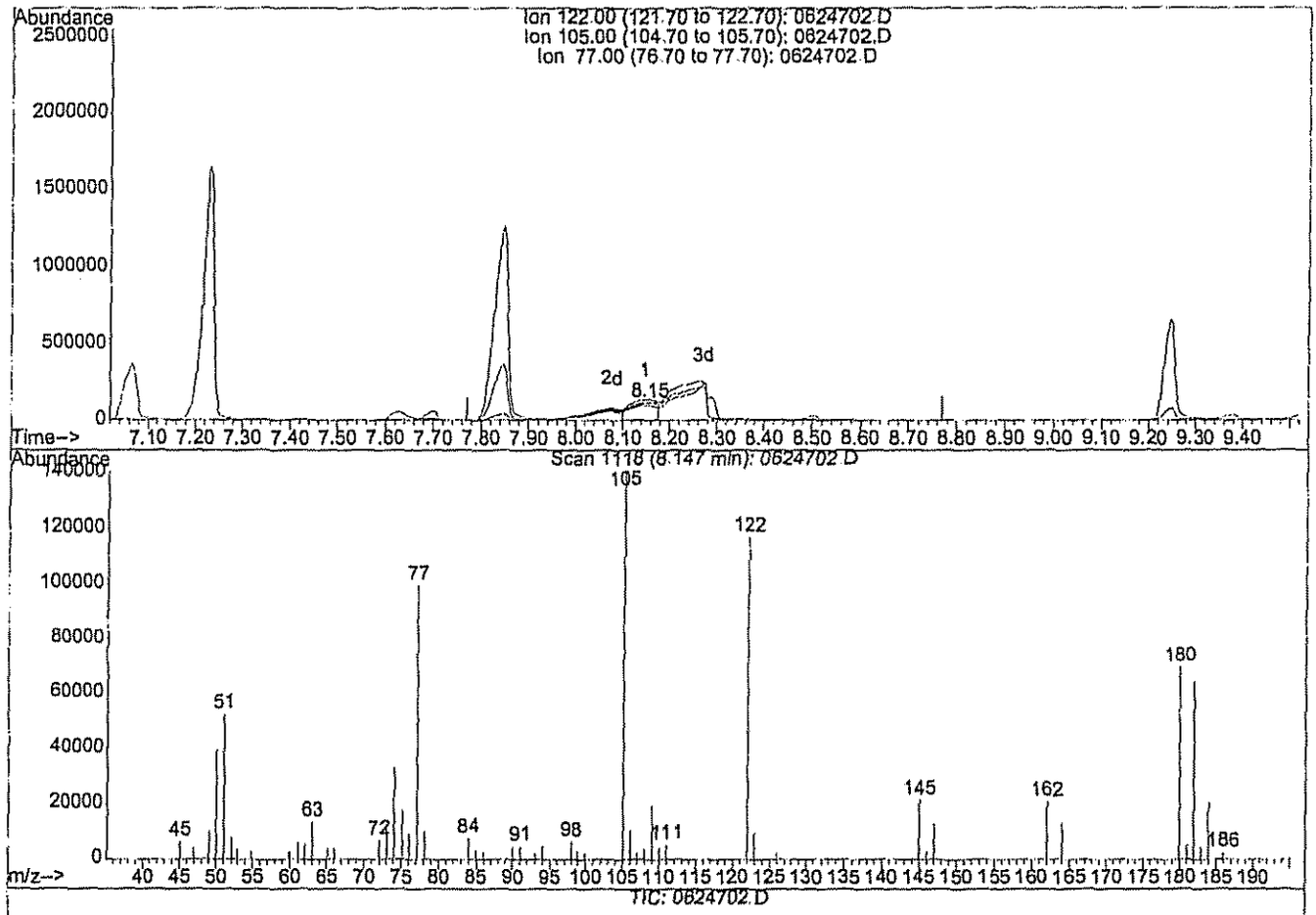
ion	Exp%	Act%
122.00	100	100
105.00	82.50	27.04#
77.00	25.10	20.43
0.00	0.00	0.00

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

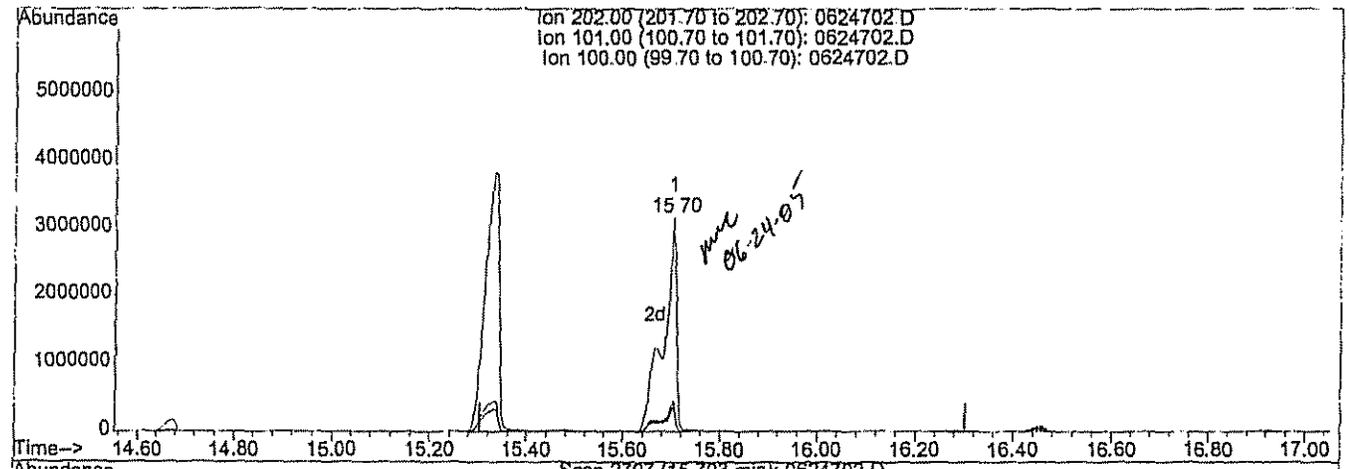
Ion	Exp%	Act%
122.00	100	100
105.00	82.50	115.85#
77.00	25.10	87.53#
0.00	0.00	0.00

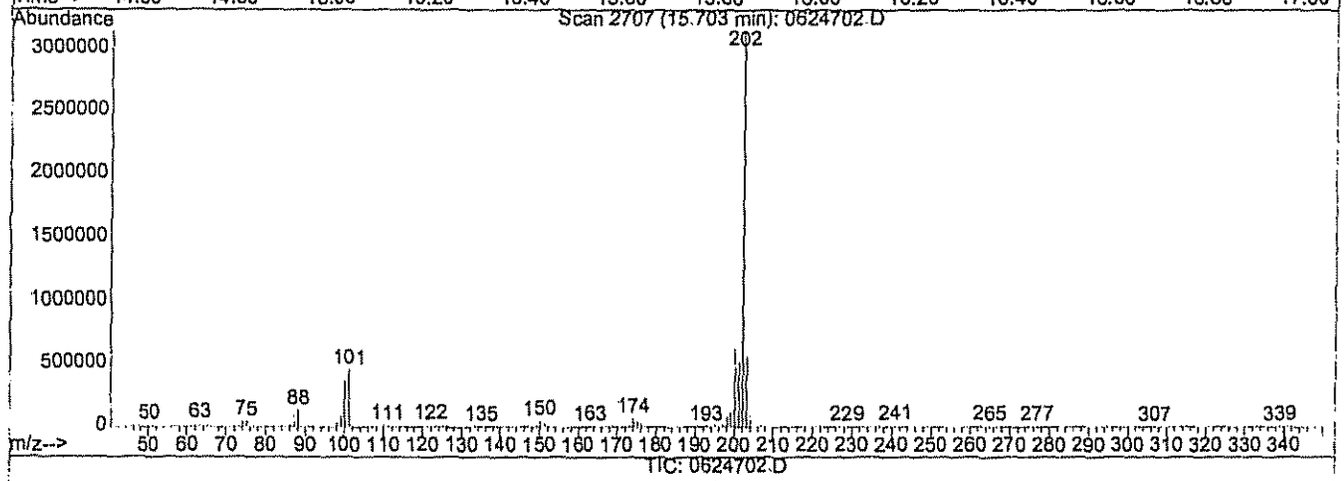
0624702.D 8270.M Fri Jun 24 14:04:13 2005 ENV

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

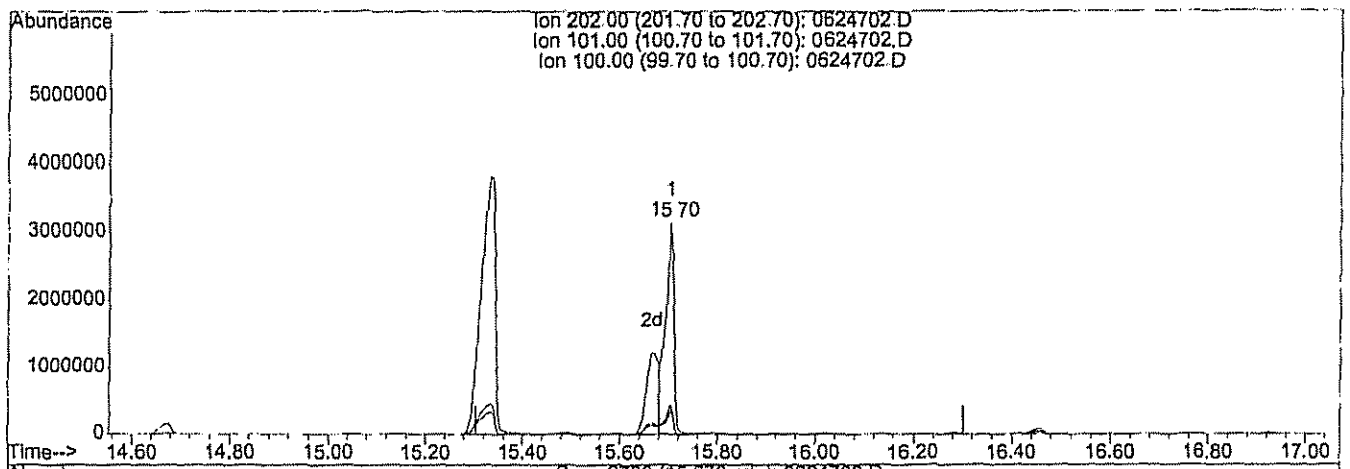
Ion	Exp%	Act%
202.00	100	100
101.00	13.80	14.39
100.00	10.70	11.50
0.00	0.00	0.00

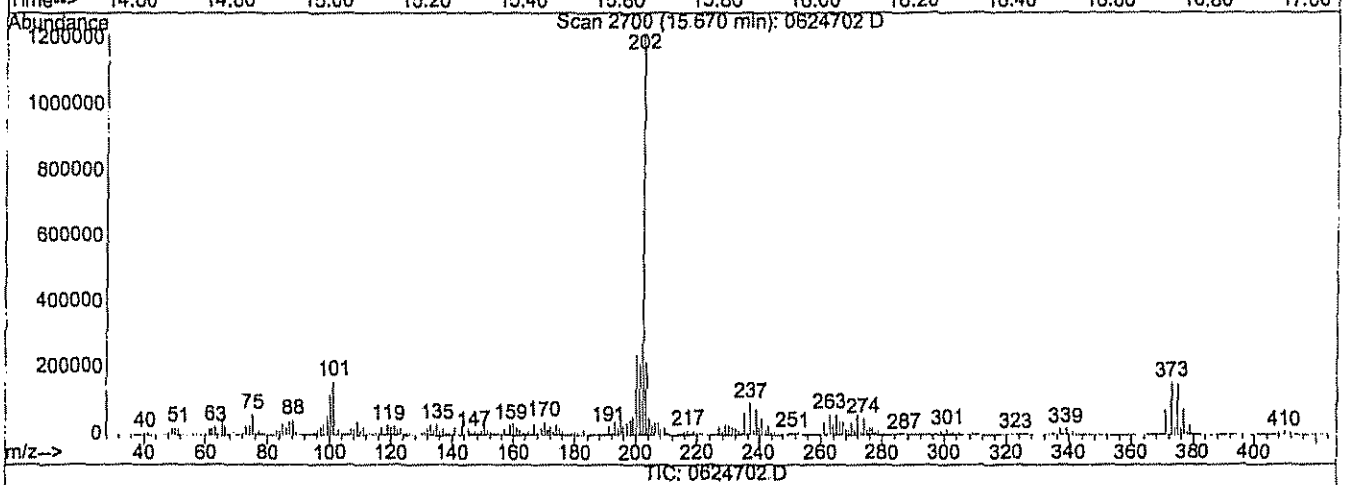
0624702.D 8270.M Fri Jun 24 14:05:04 2005 ENV

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

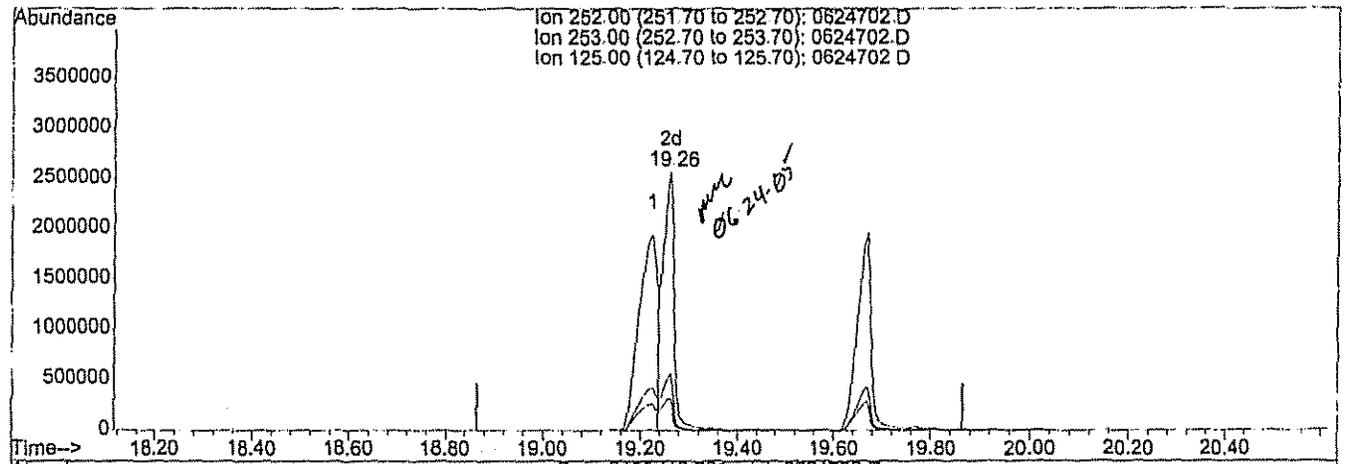
Ion	Exp%	Act%
202.00	100	100
101.00	13.80	14.42
100.00	10.70	11.52
0.00	0.00	0.00

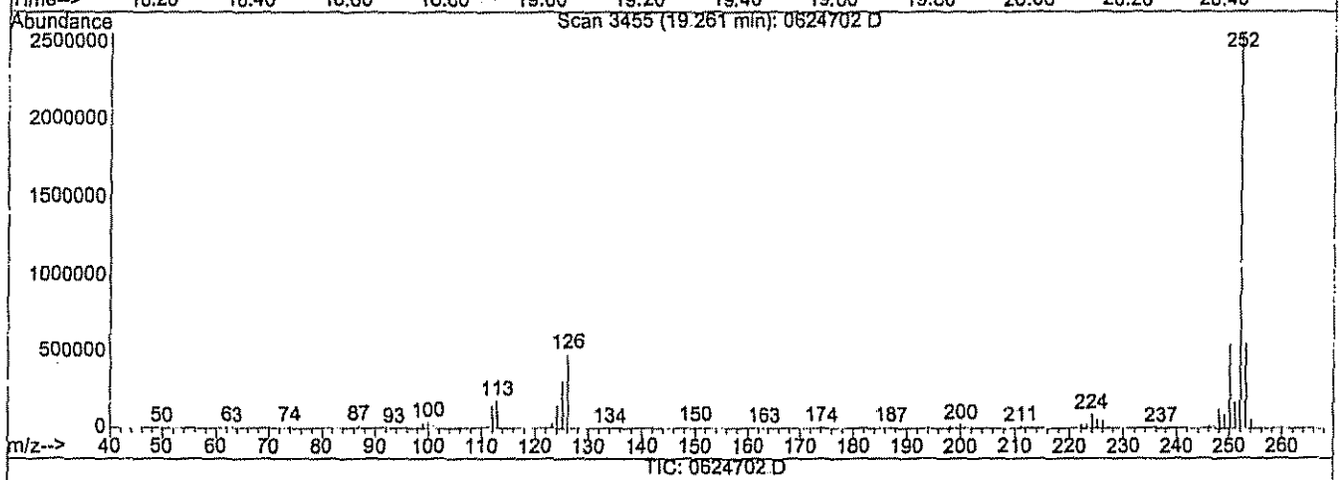
0624702.D 8270.M Fri Jun 24 14:05:00 2005 ENV

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

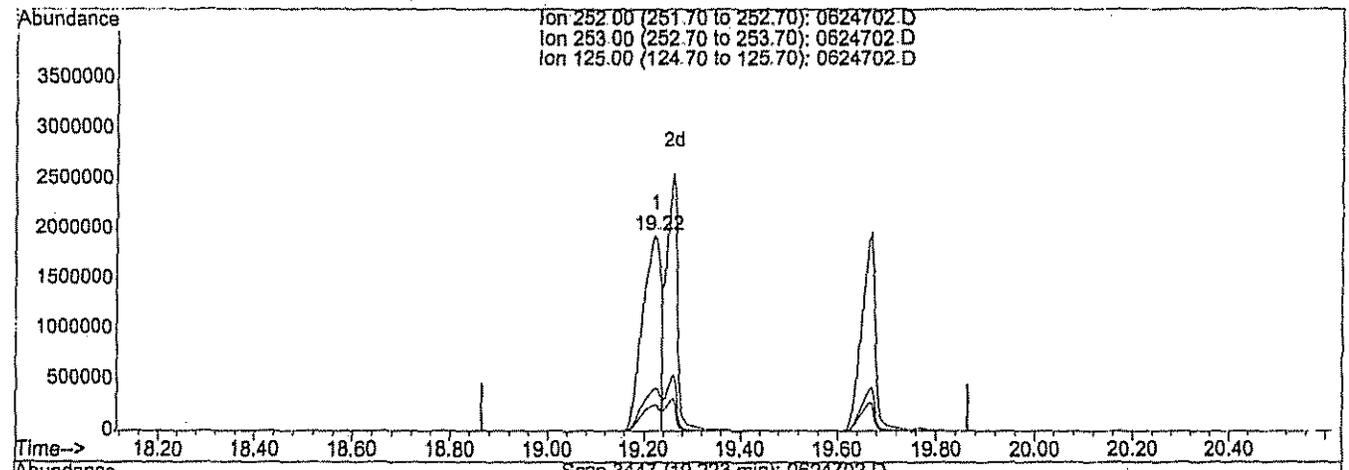
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.60
125.00	13.50	12.25
0.00	0.00	0.00

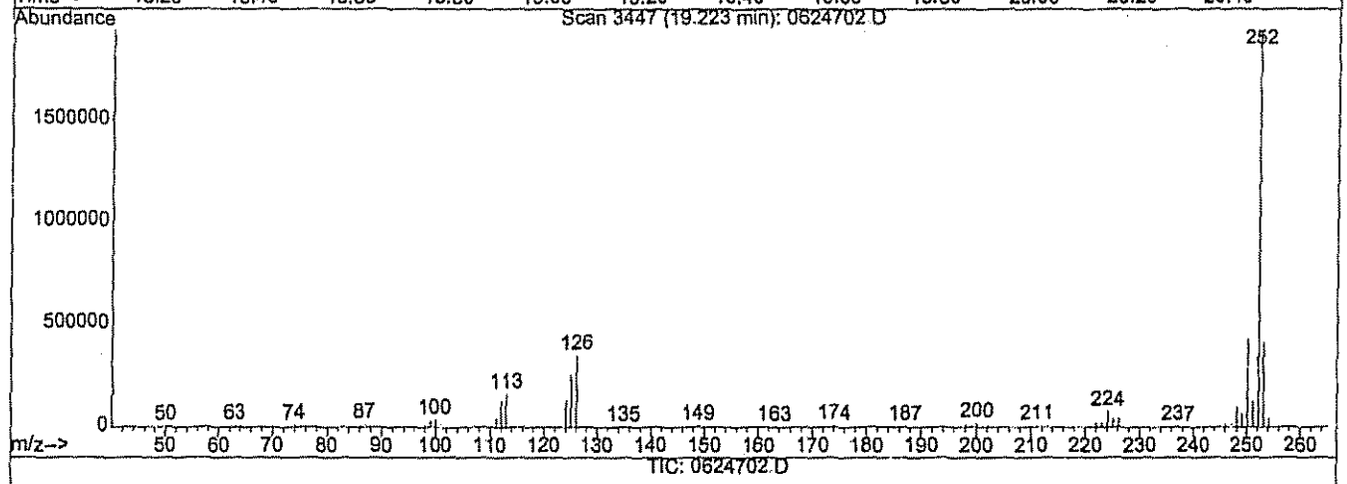
0624702.D 8270.M Fri Jun 24 14:05:19 2005 ENV

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





(96) Benzo[k]fluoranthene (TM)

19.22min 42.94ug/mL

response 5129038

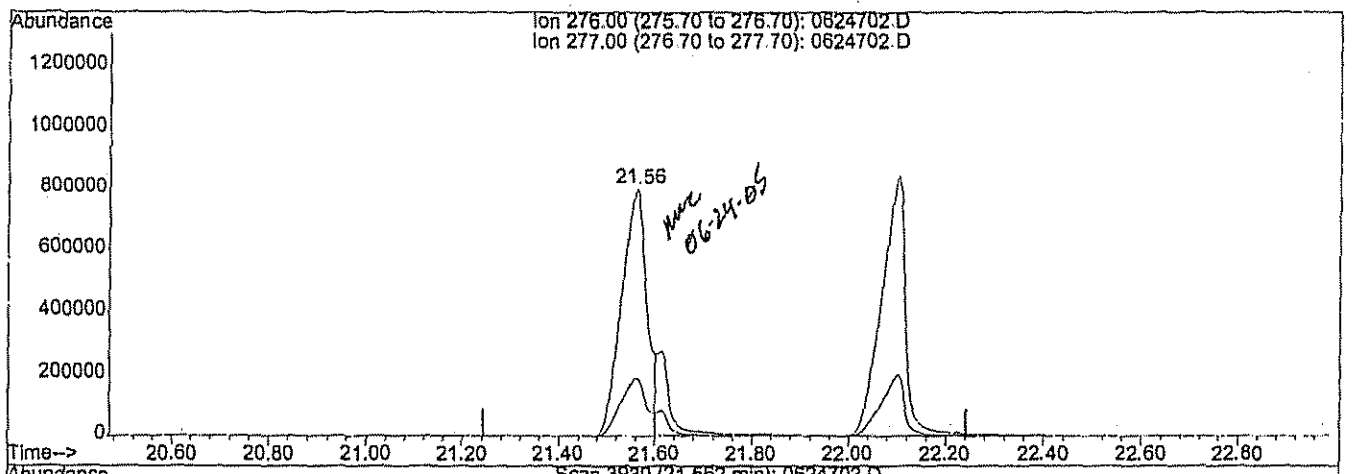
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.28
125.00	13.50	13.10
0.00	0.00	0.00

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

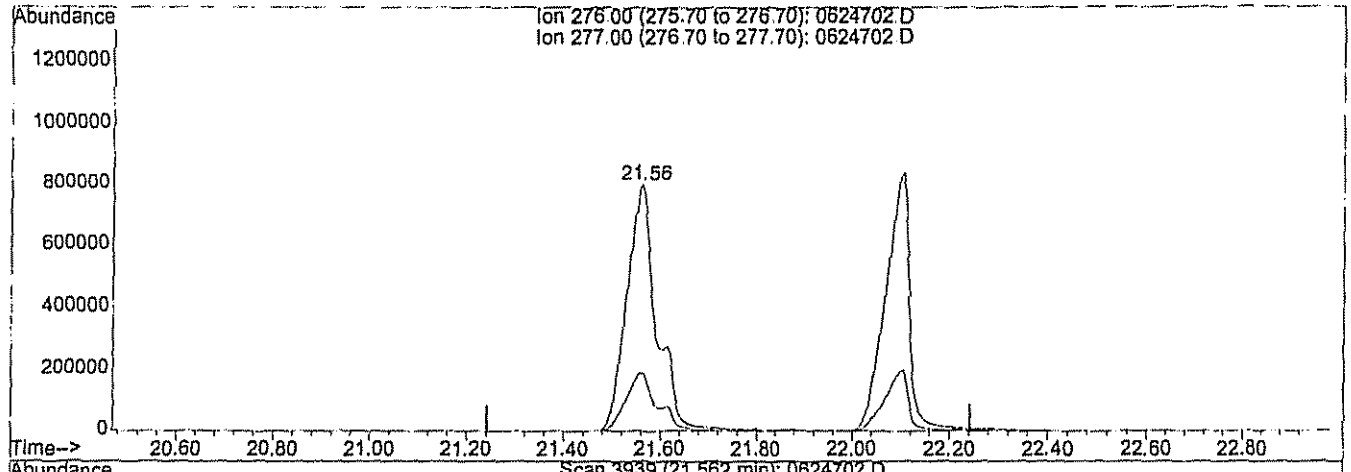
Ion	Exp%	Act%
276.00	100	100
277.00	24.00	23.35
0.00	0.00	0.00
0.00	0.00	0.00

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



TIC: 0624702.D

(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

kmc 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

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

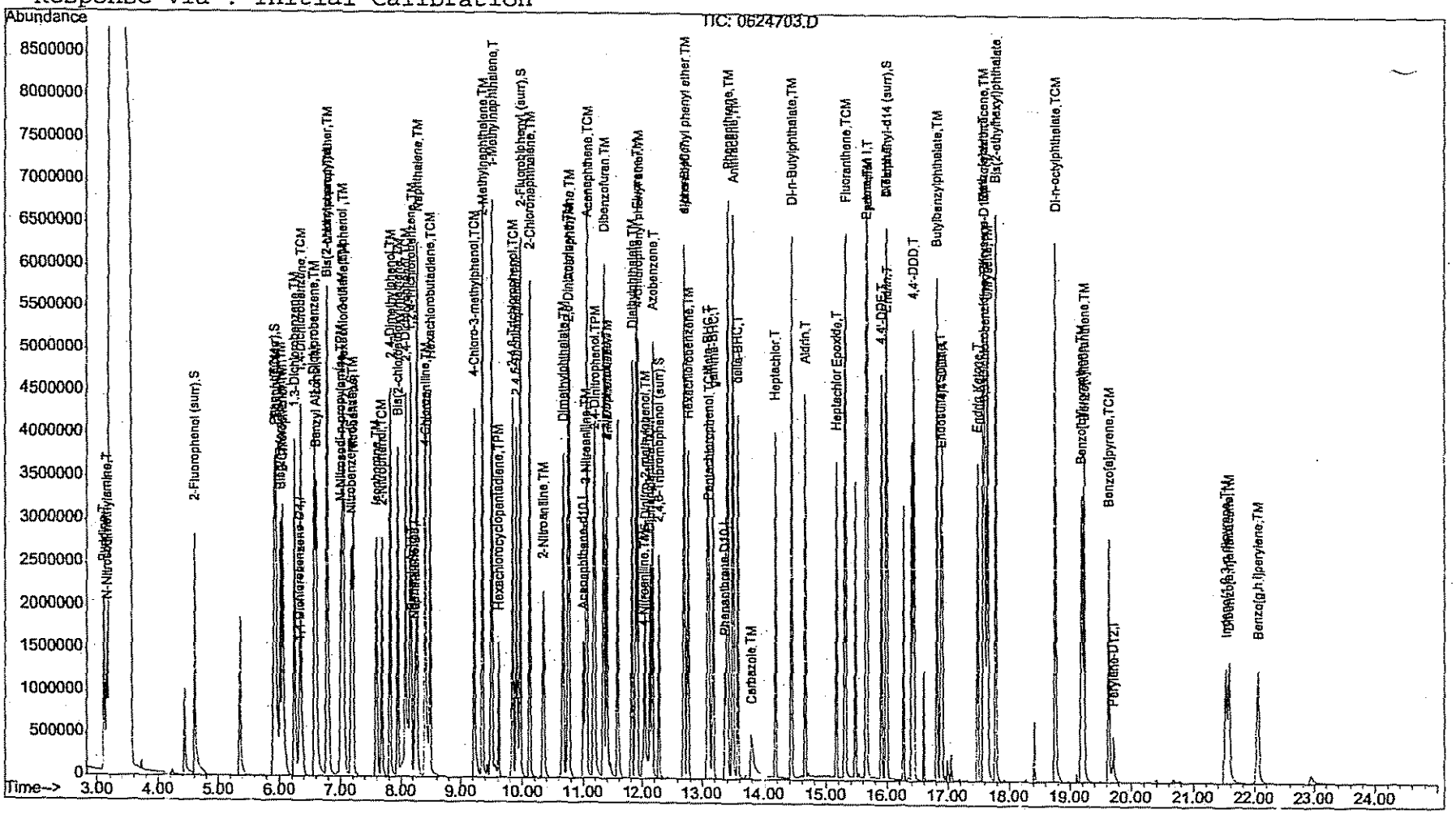
Quantitation Report (QT Reviewed)

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

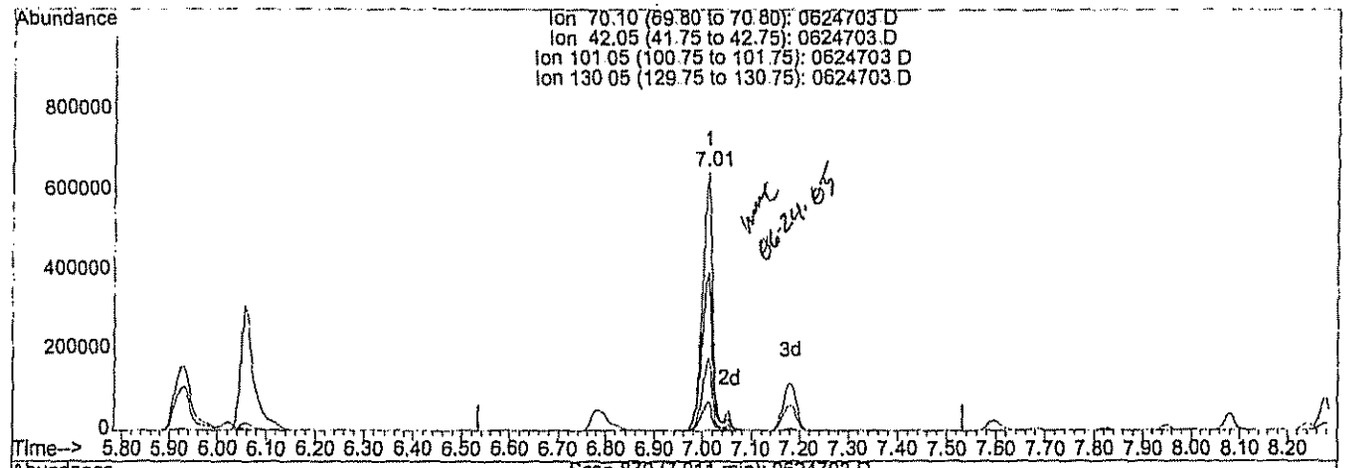


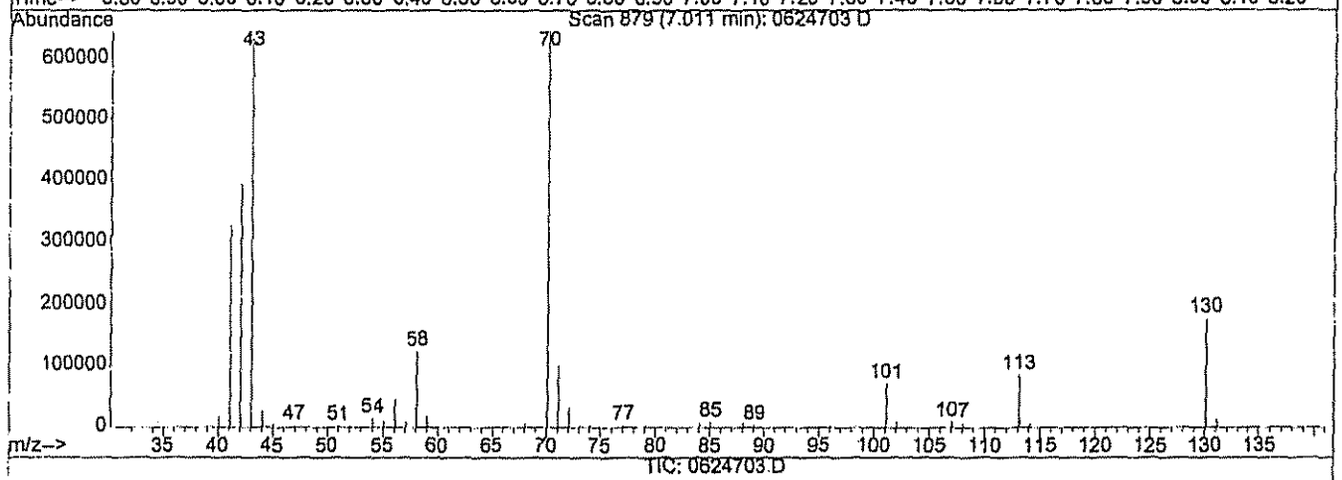
0624703.D 8270.M Fri Jun 24 17:12:53 2005 ENV

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

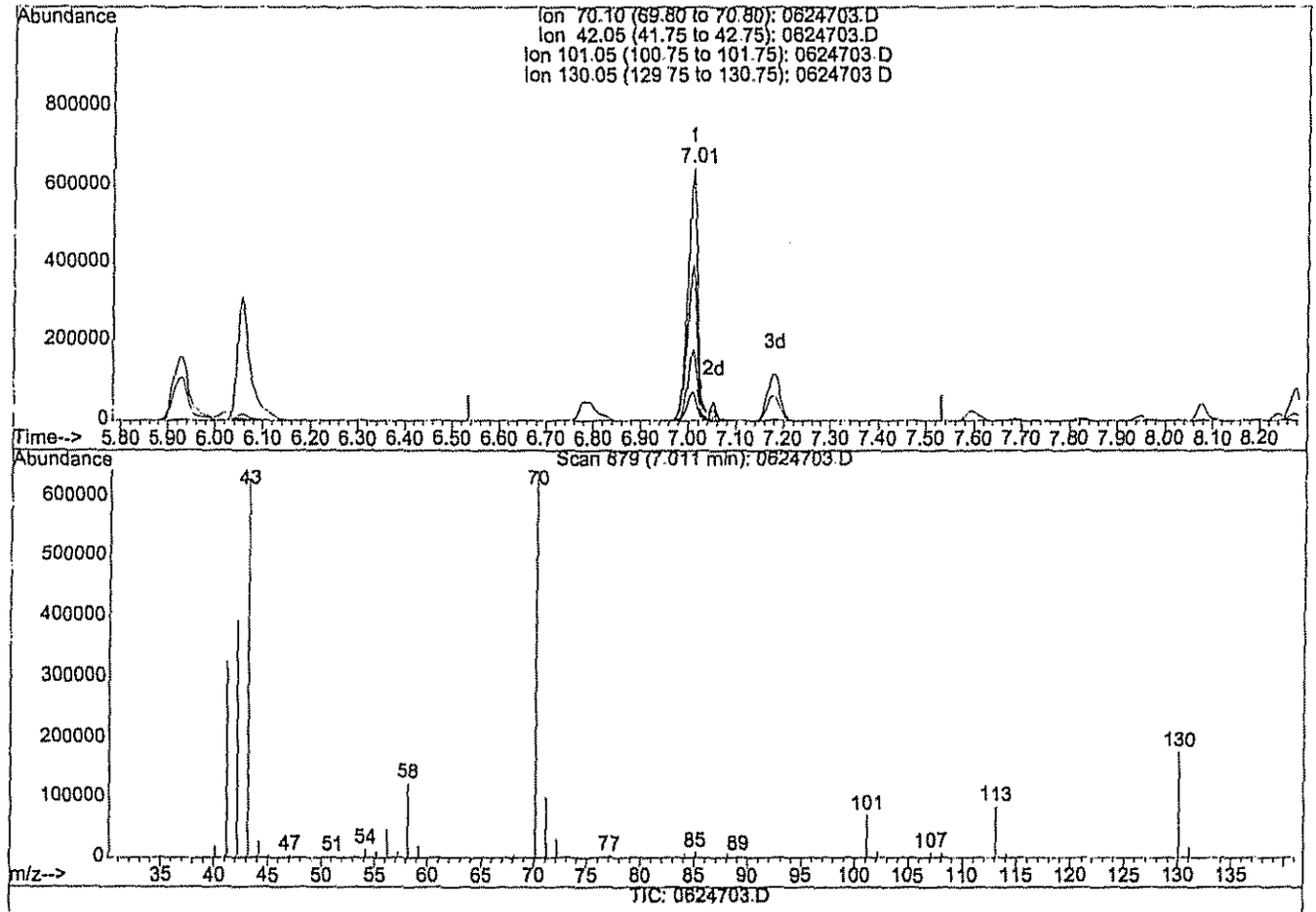
Ion	Exp%	Act%
70.10	100	100
42.05	61.20	61.31
101.05	11.20	11.12
130.05	28.20	27.71

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

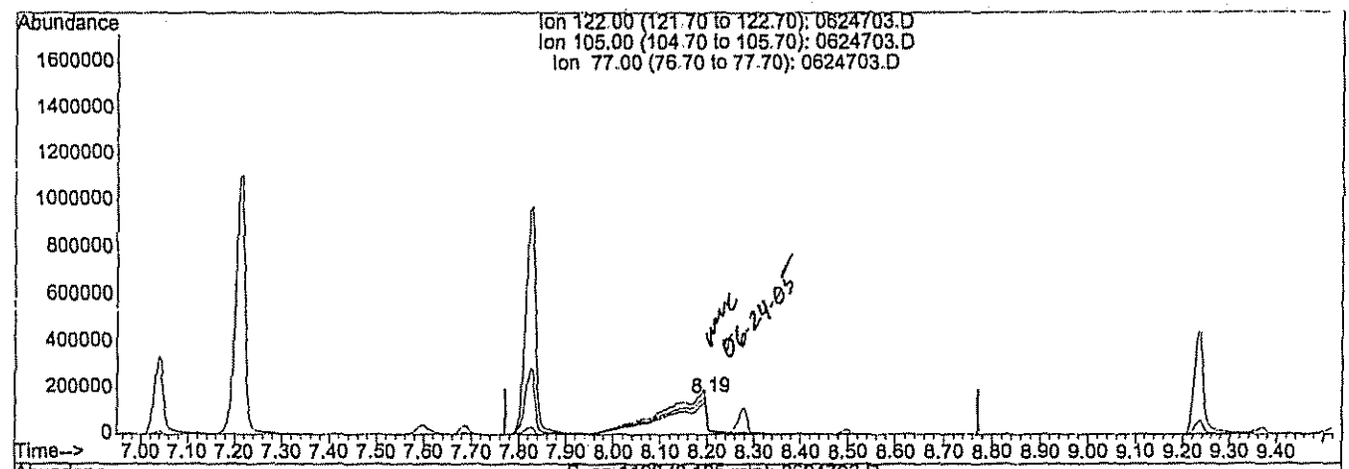
Ion	Exp%	Act%
70.10	100	100
42.05	61.20	61.31
101.05	11.20	11.12
130.05	28.20	27.71

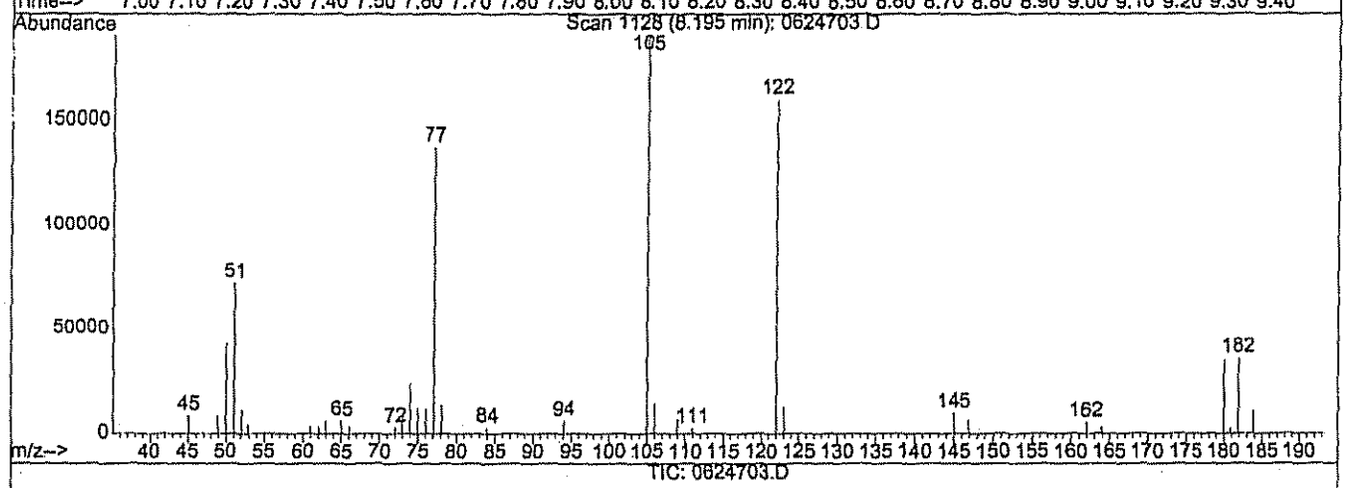
0624703.D 8270.M Fri Jun 24 14:06:35 2005 ENV

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





TIC: 0624703.D

(23) Benzoic Acid (T)

8.19min 22.86ug/mL m

response 1051961

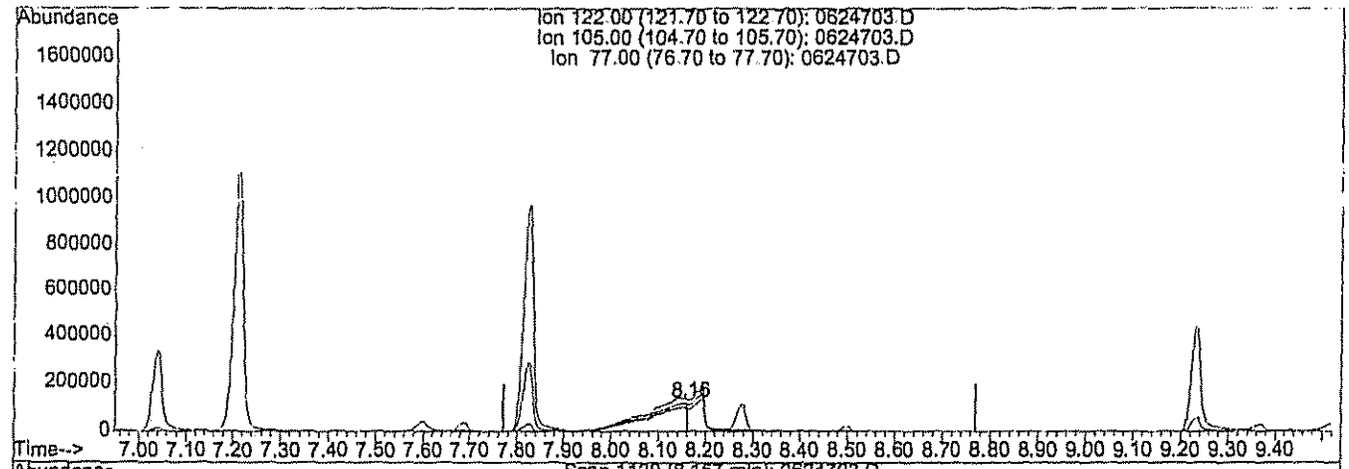
Ion	Exp%	Act%
122.00	100	100
105.00	27.00	56.34#
77.00	20.40	40.28#
0.00	0.00	0.00

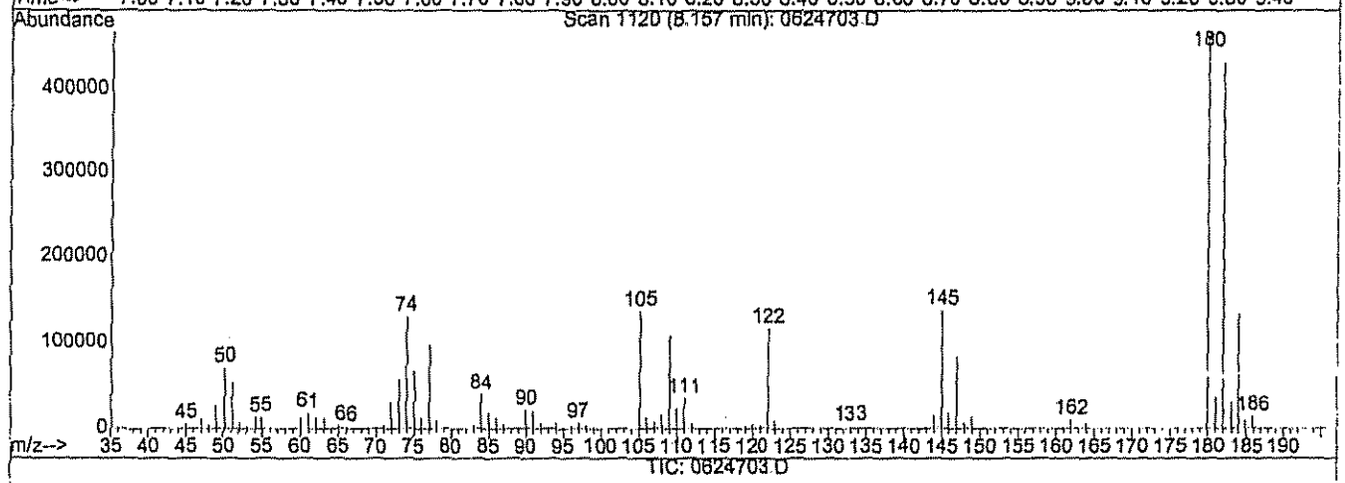
0624703.D 8270.M Fri Jun 24 14:06:50 2005 ENV

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

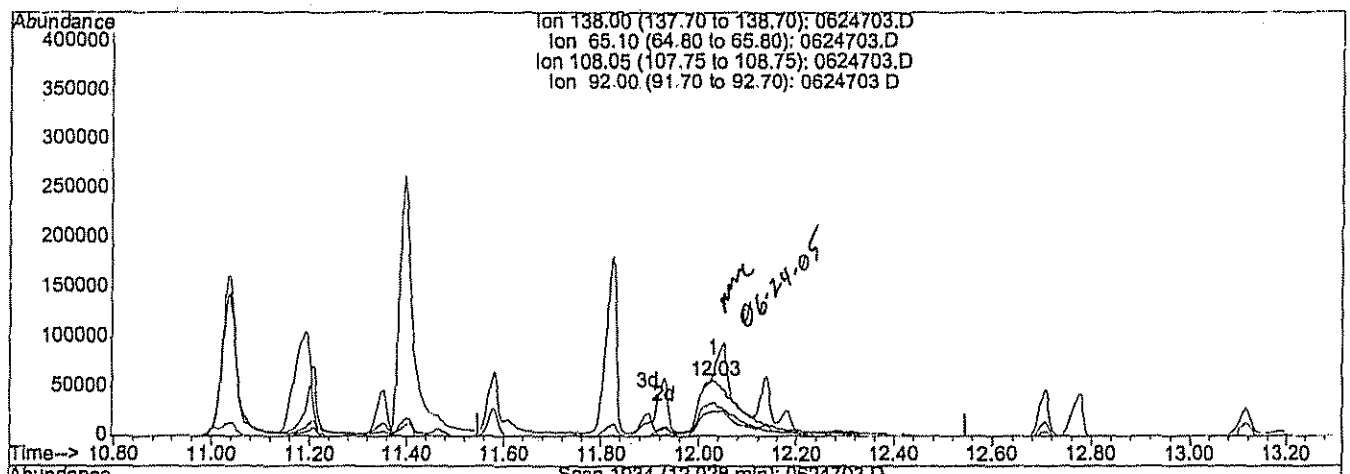
0624703.D 8270.M Fri Jun 24 14:06:46 2005 ENV

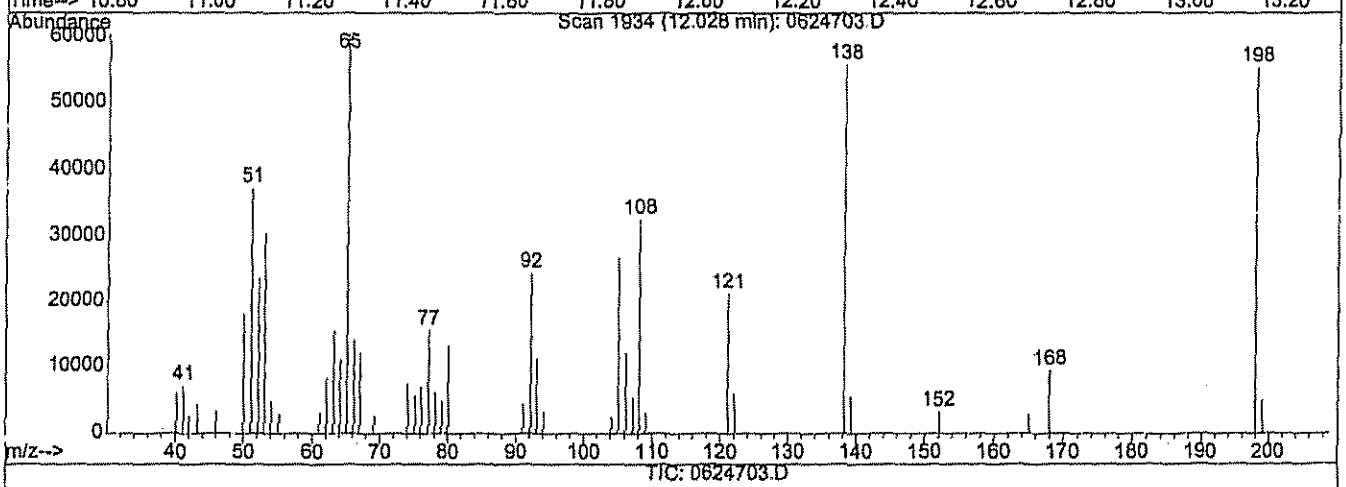
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624703.D
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: 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





(52) 4-Nitroaniline (TM)

12.03min 23.92ug/mL m

response 375629

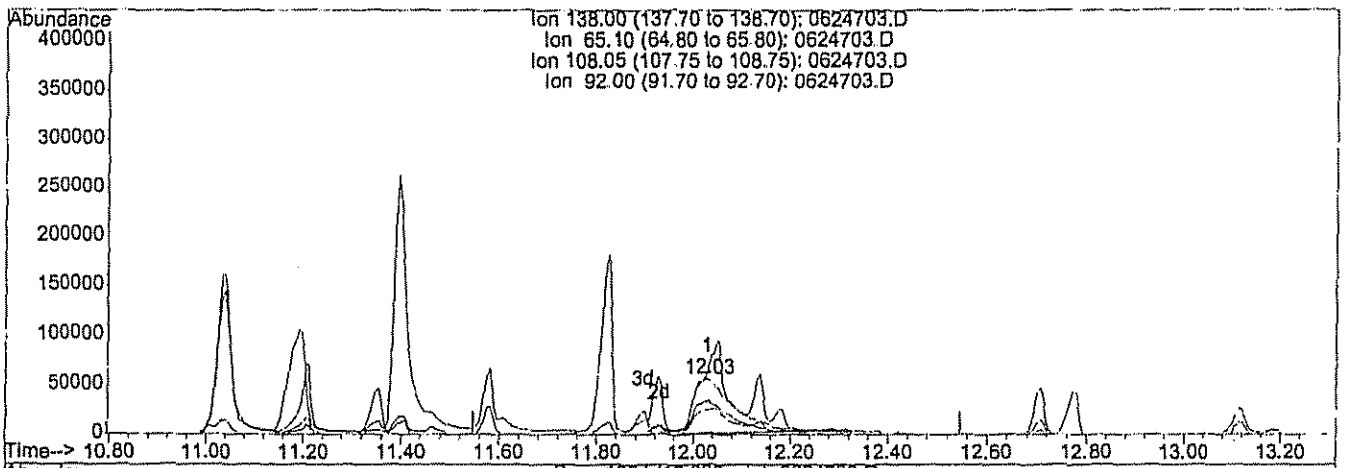
Ion	Exp%	Act%
138.00	100	100
65.10	93.50	108 34
108.05	57.10	58.47
92.00	39.50	43.88

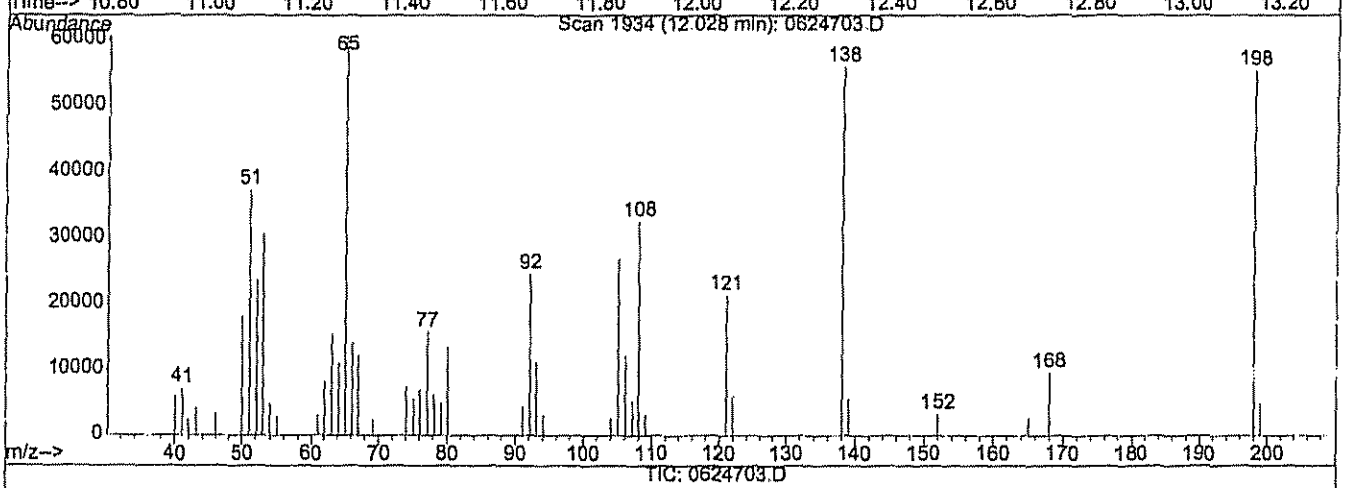
0624703.D 8270.M Fri Jun 24 14:07:20 2005 ENV

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





(52) 4-Nitroaniline (TM)

12.03min 20.51ug/mL

response 322046

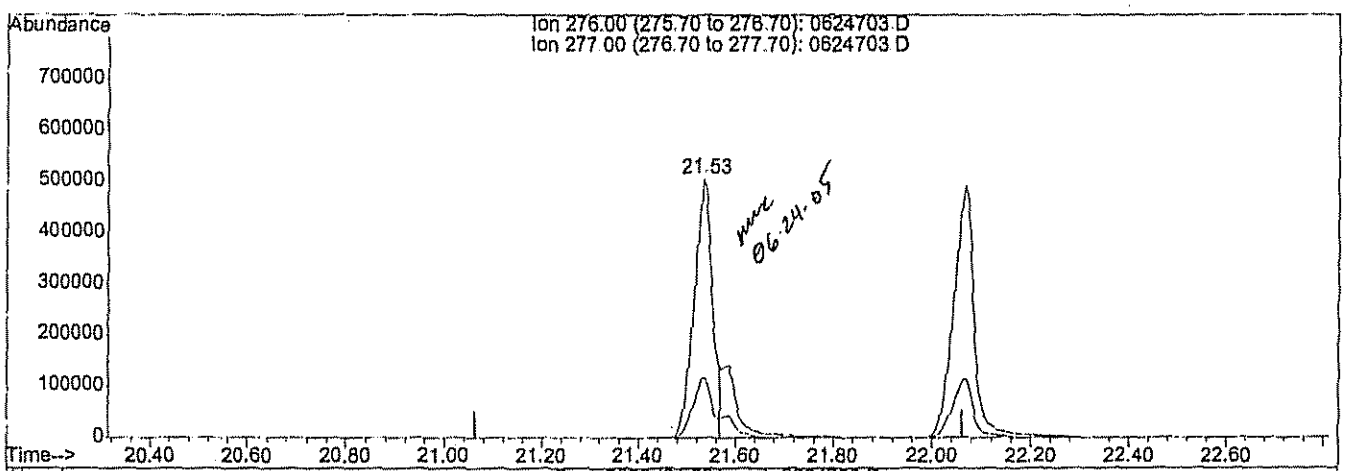
Ion	Exp%	Act%
138.00	100	100
65.10	93.50	105.90
108.05	57.10	62.26
92.00	39.50	46.73

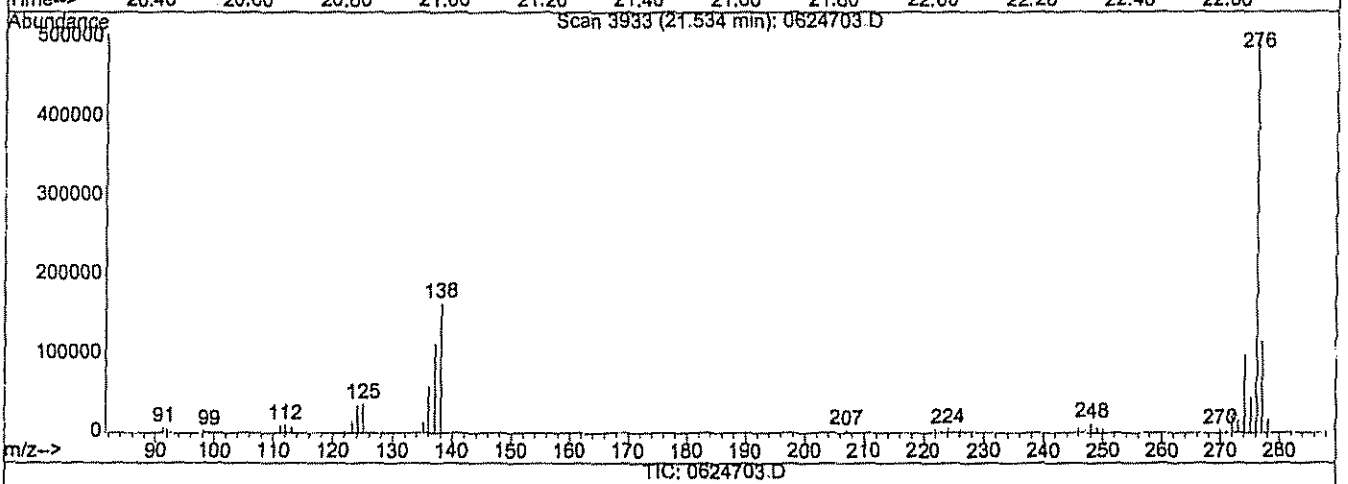
0624703.D 8270.M Fri Jun 24 14:07:16 2005 ENV

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

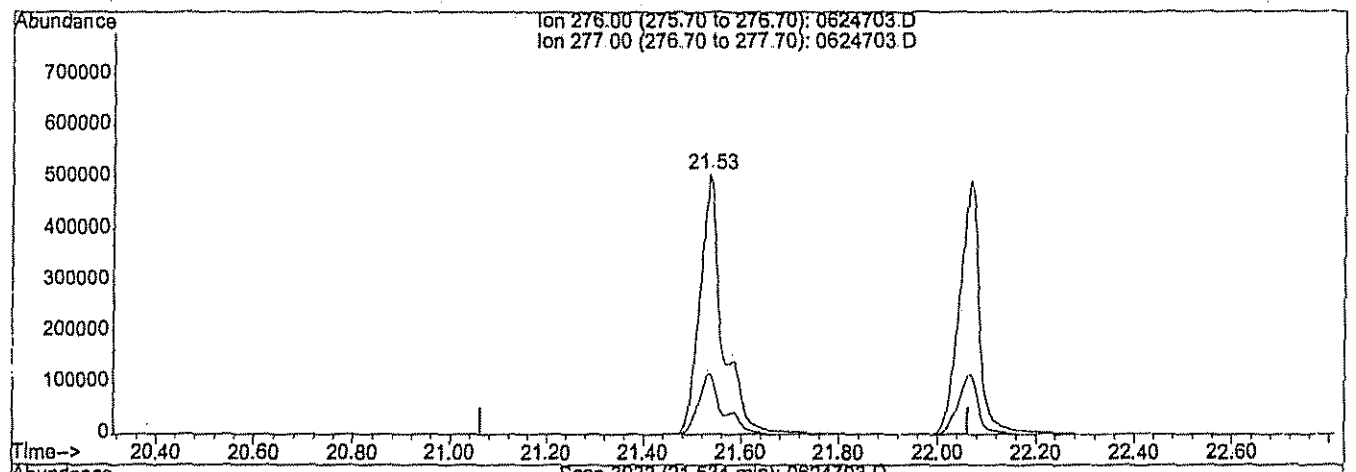
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.25
0.00	0.00	0.00
0.00	0.00	0.00

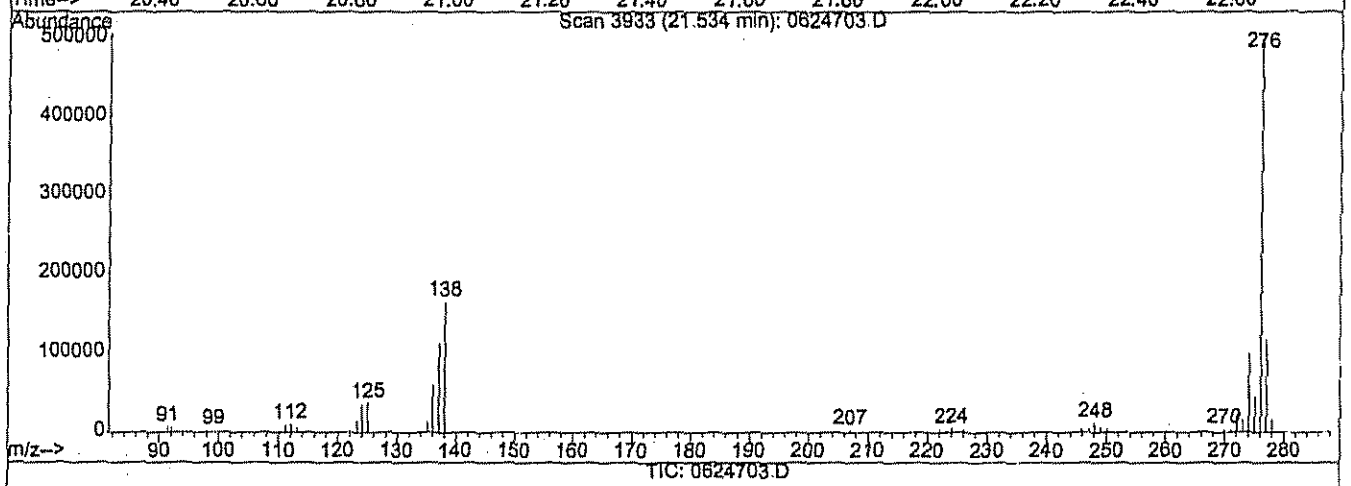
0624703.D 8270.M Fri Jun 24 14:07:50 2005 ENV

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





(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

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

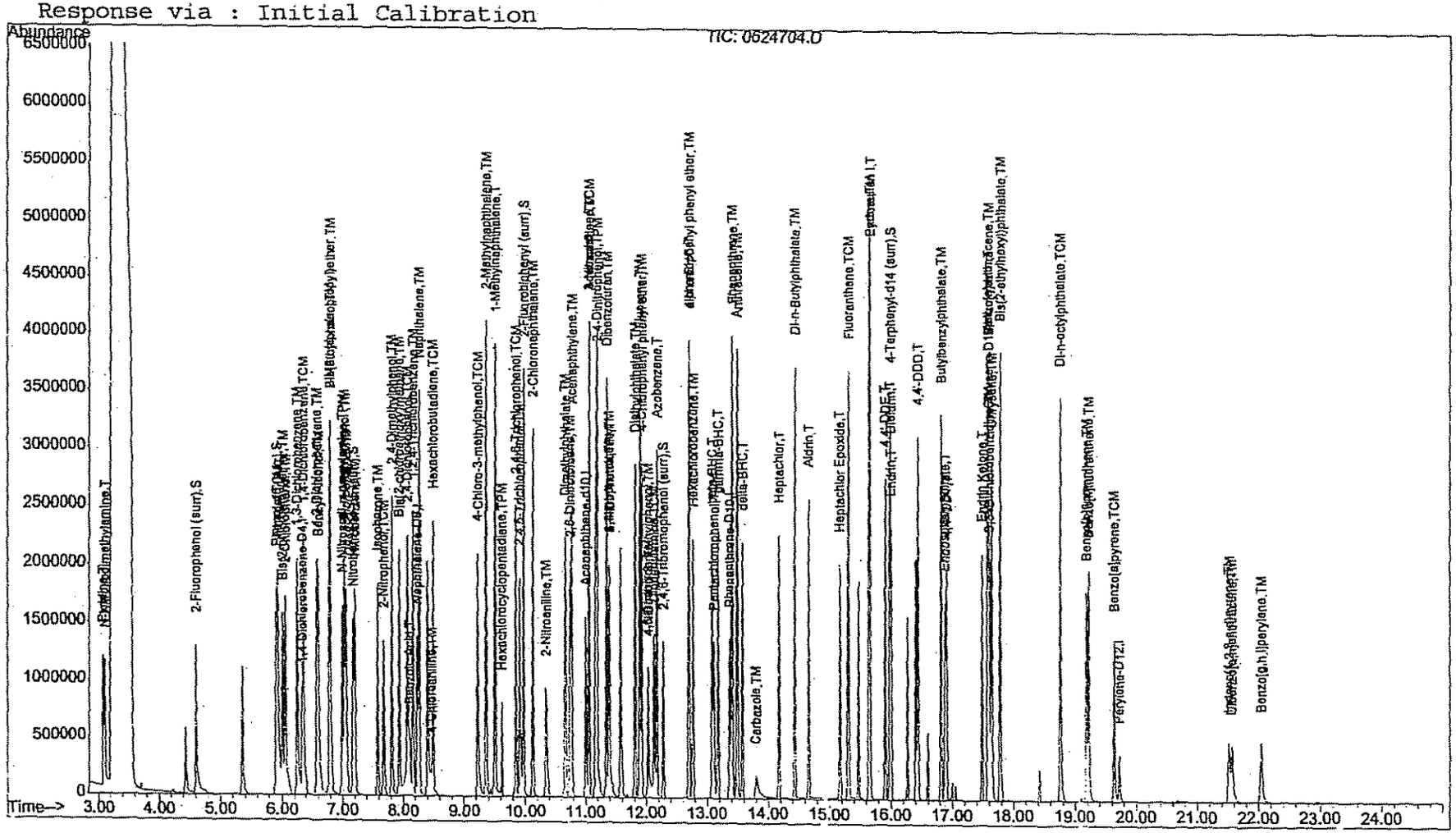
Quantitation Report (QT Reviewed)

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

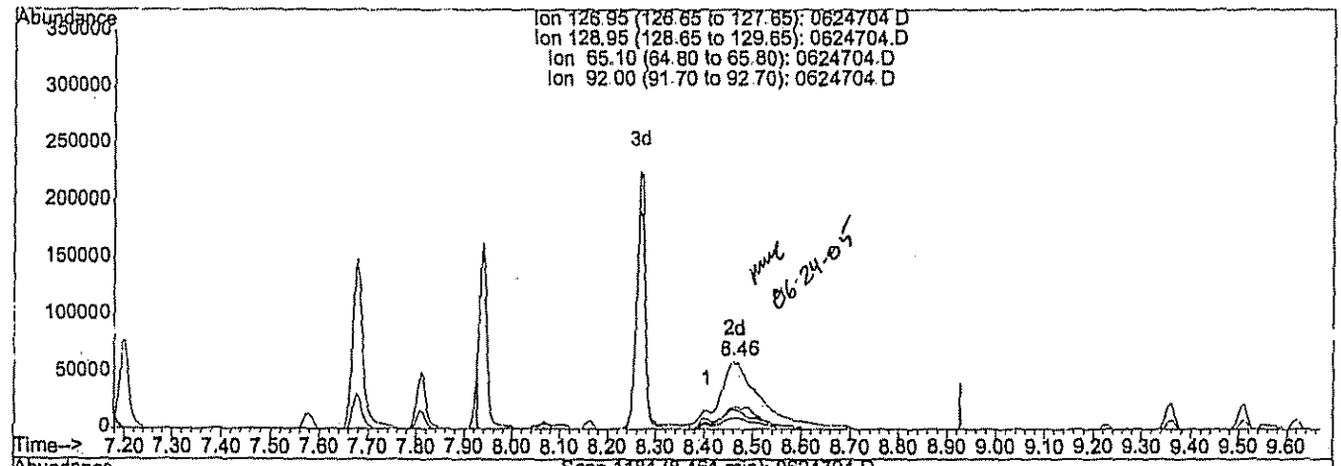
Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

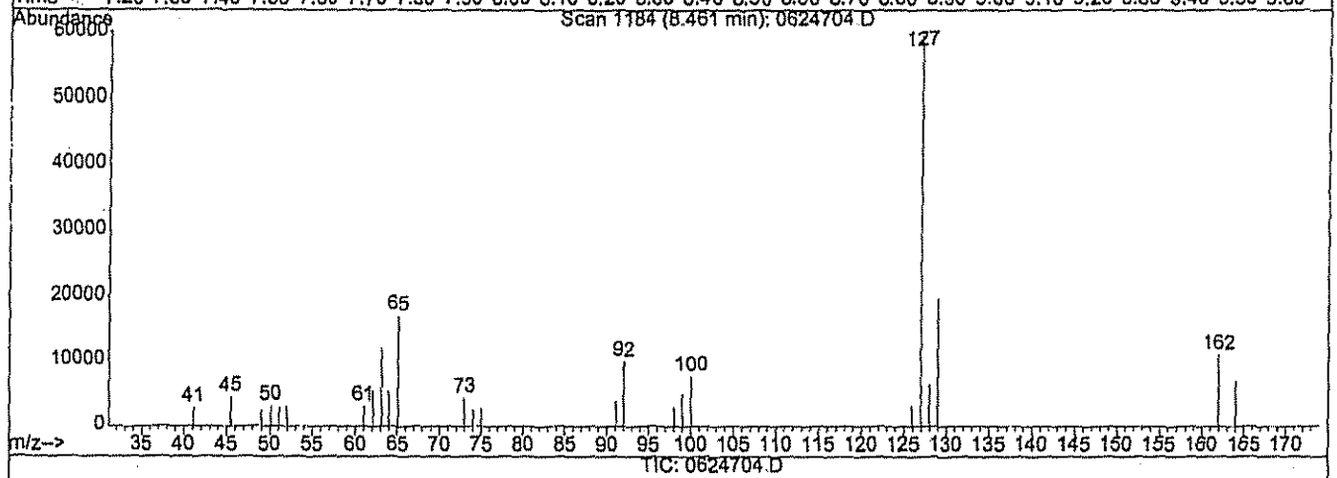


Quantitation Report (Qedit)

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





TIC: 0624704.D

(28) 4-Chloroaniline (TM)

8.46min 8.71ug/mL m

response 369694

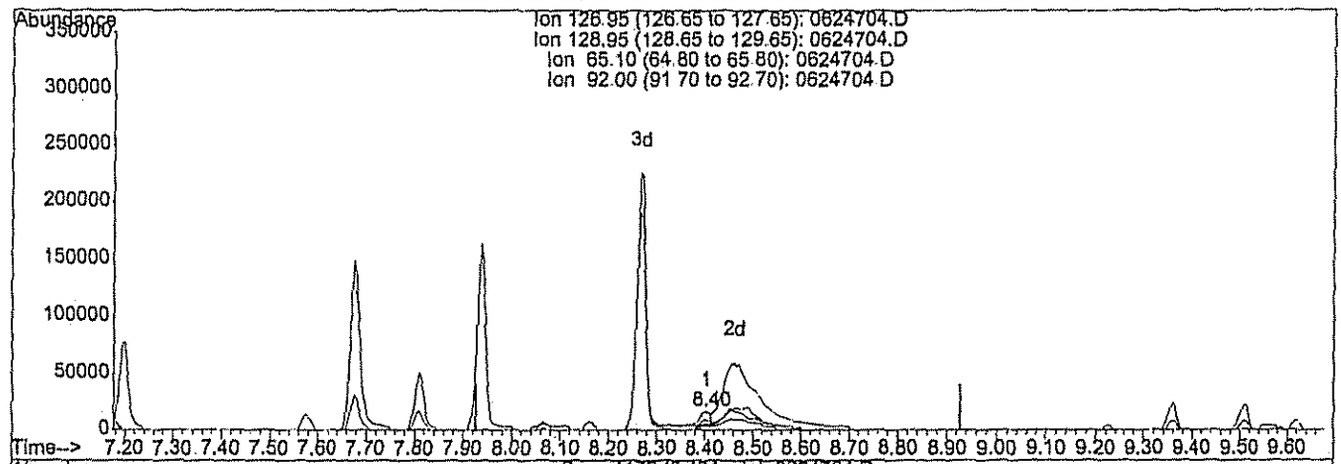
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	32.82
65.10	28.40	28.35
92.00	16.90	16.61

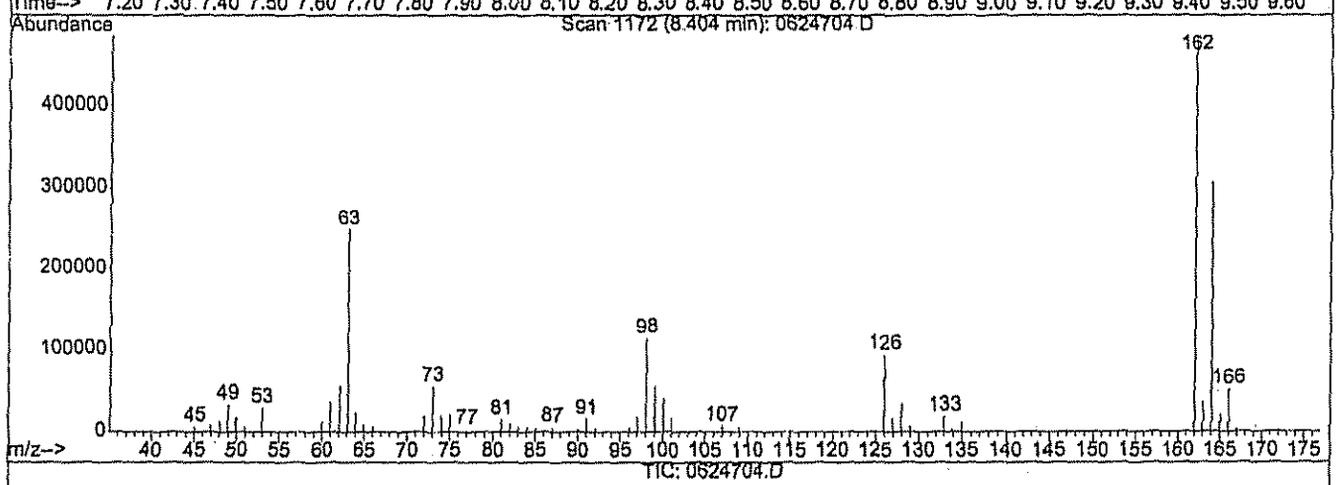
0624704.D 8270.M Fri Jun 24 14:11:15 2005 ENV

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

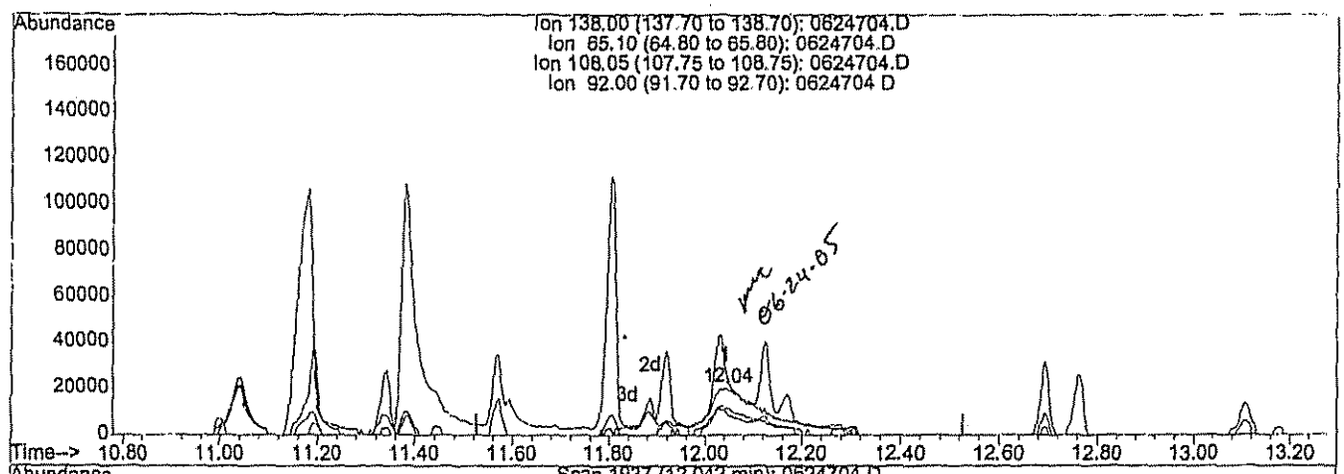
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	46.96#
65.10	28.40	72.24#
92.00	16.90	36.31#

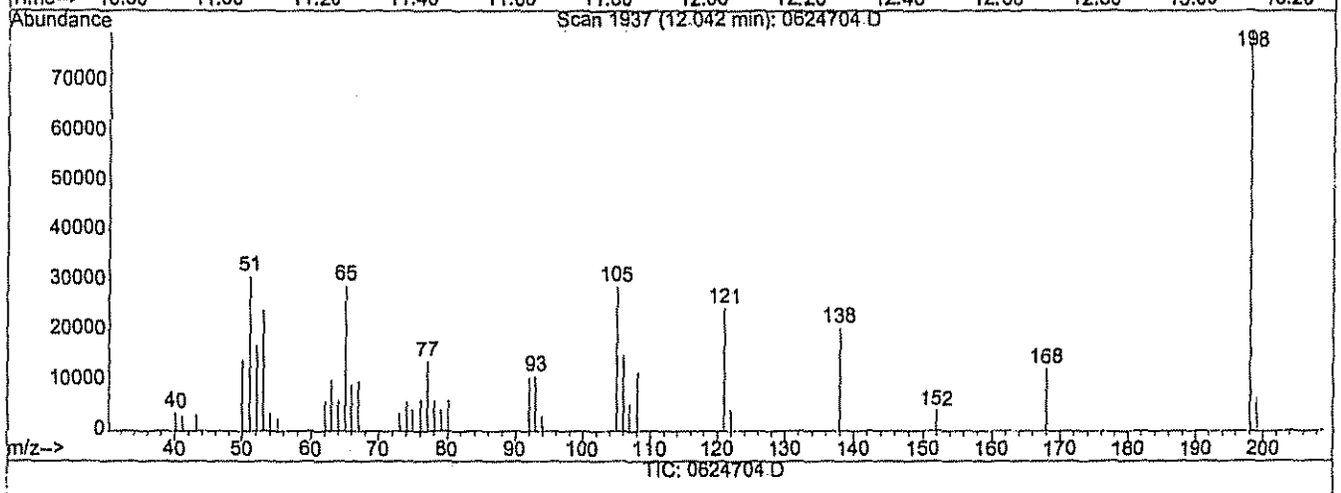
0624704.D 8270.M Fri Jun 24 14:11:09 2005 ENV

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

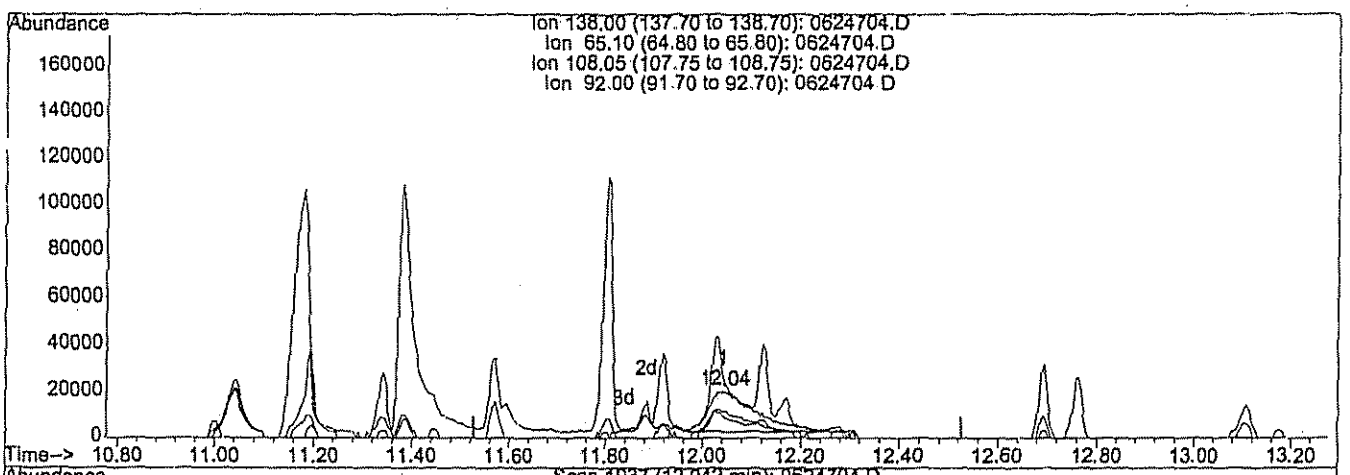
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	141.03#
108.05	58.50	56.60
92.00	43.90	51.22

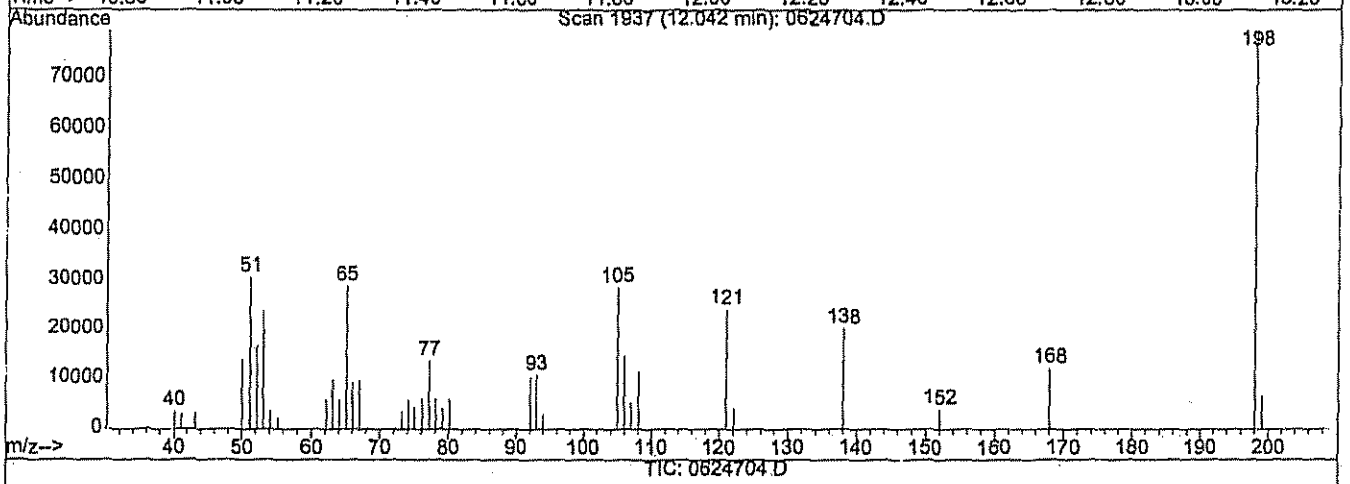
0624704.D 8270.M Fri Jun 24 14:11:38 2005 ENV

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

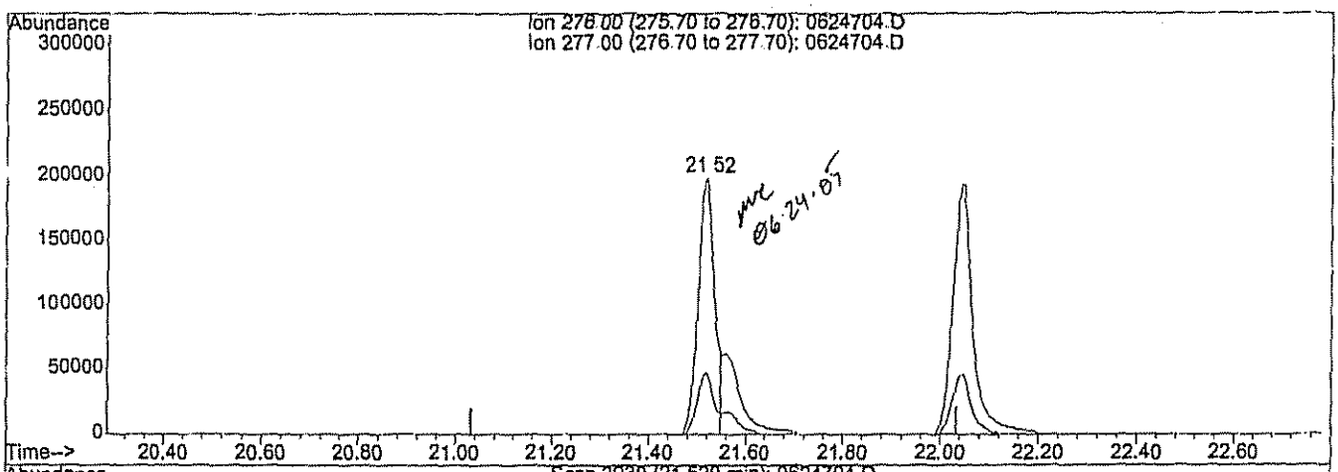
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	144.68#
108.05	58.50	65.77
92.00	43.90	59.52#

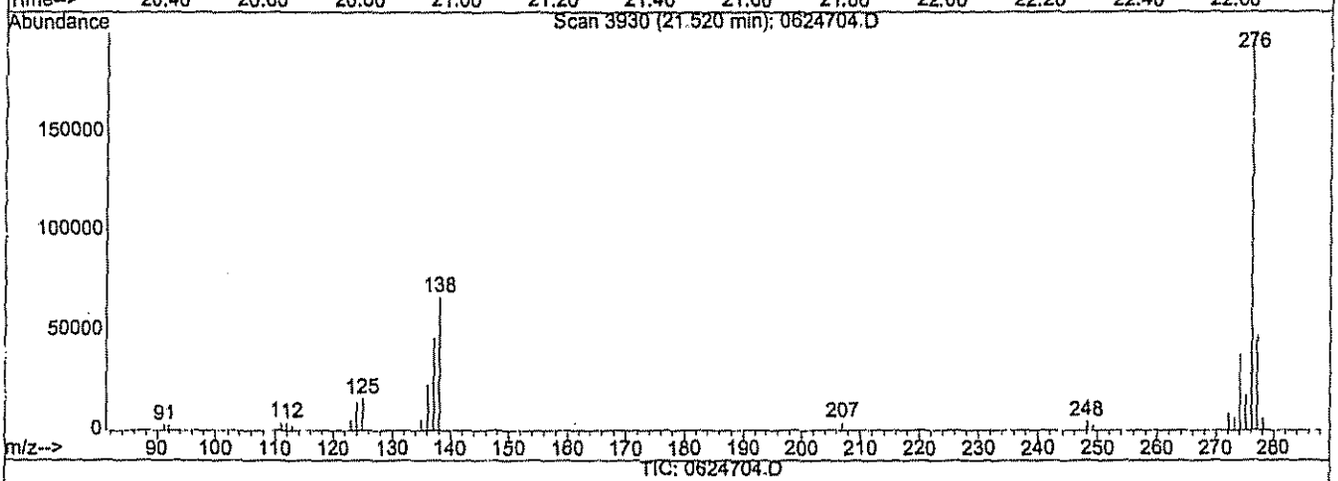
0624704.D 8270.M Fri Jun 24 14:11:34 2005 ENV

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





TIC: 0624704.D

(98) Indeno(1,2,3-c,d)pyrene (TM)

21.52min 9.55ug/mL m

response 460247

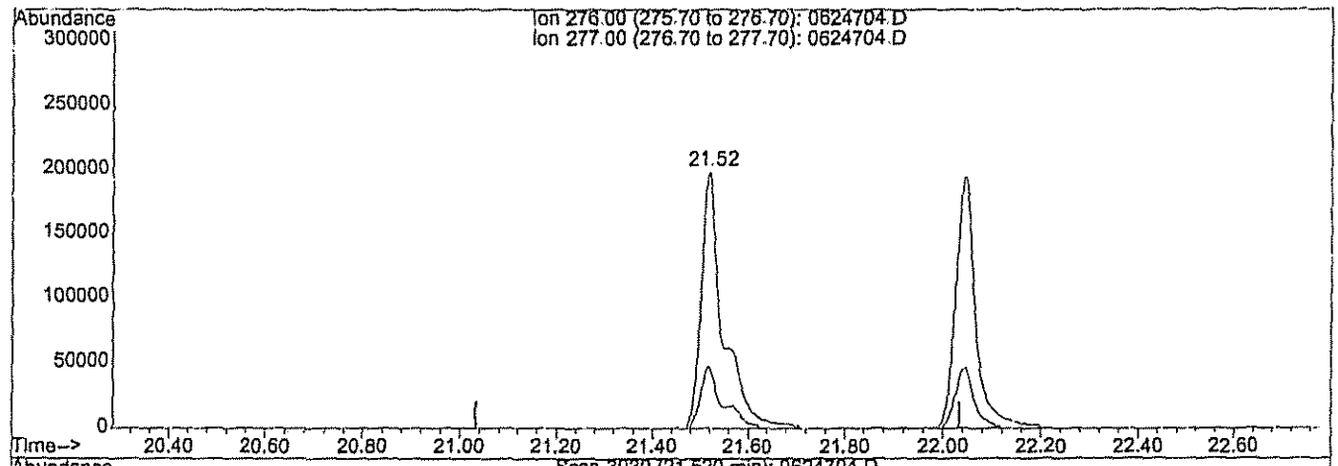
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.80
0.00	0.00	0.00
0.00	0.00	0.00

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

mrc 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

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

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

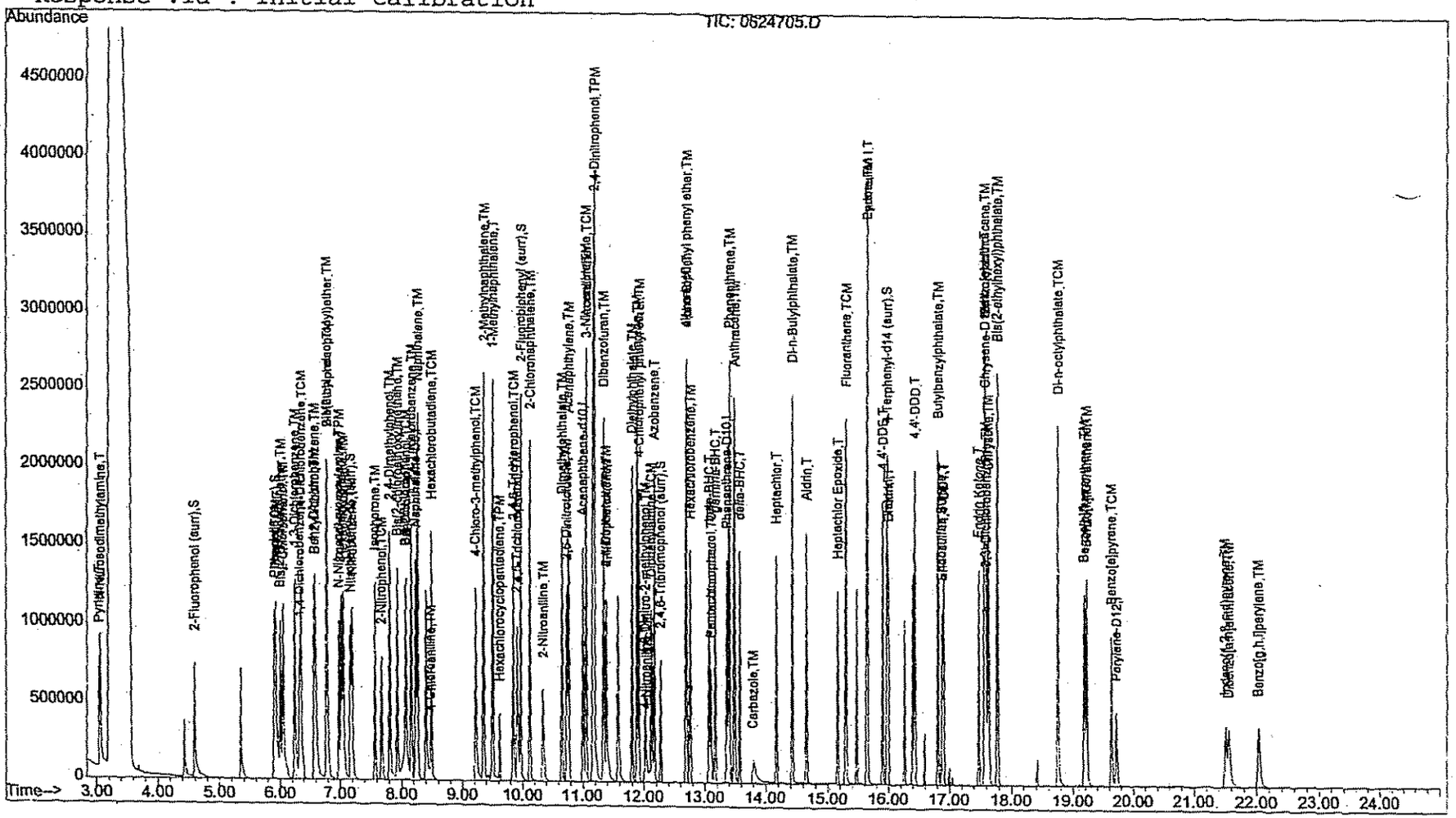
Quantitation Report (QT Reviewed)

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

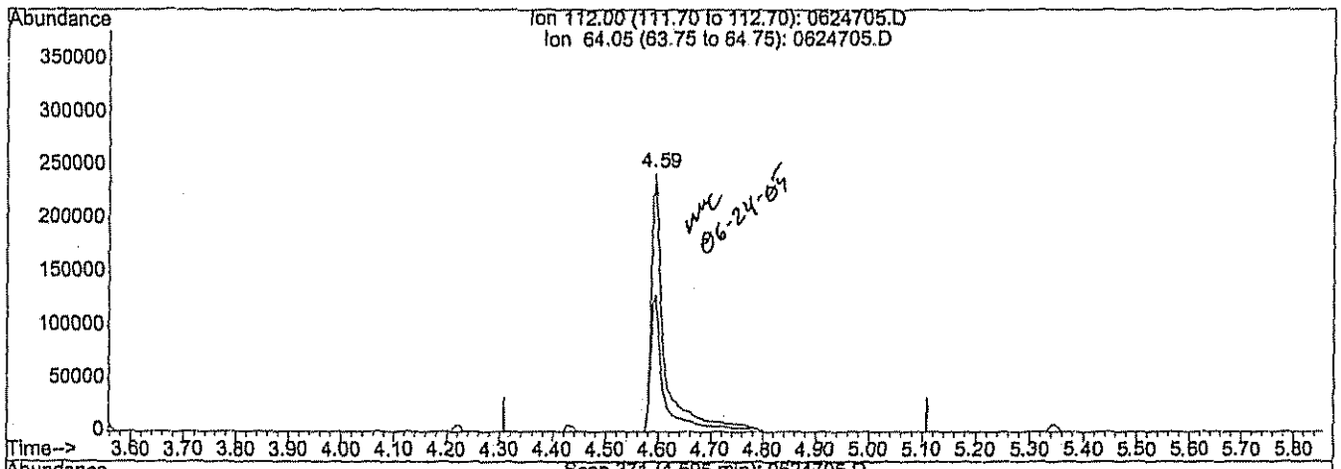
Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

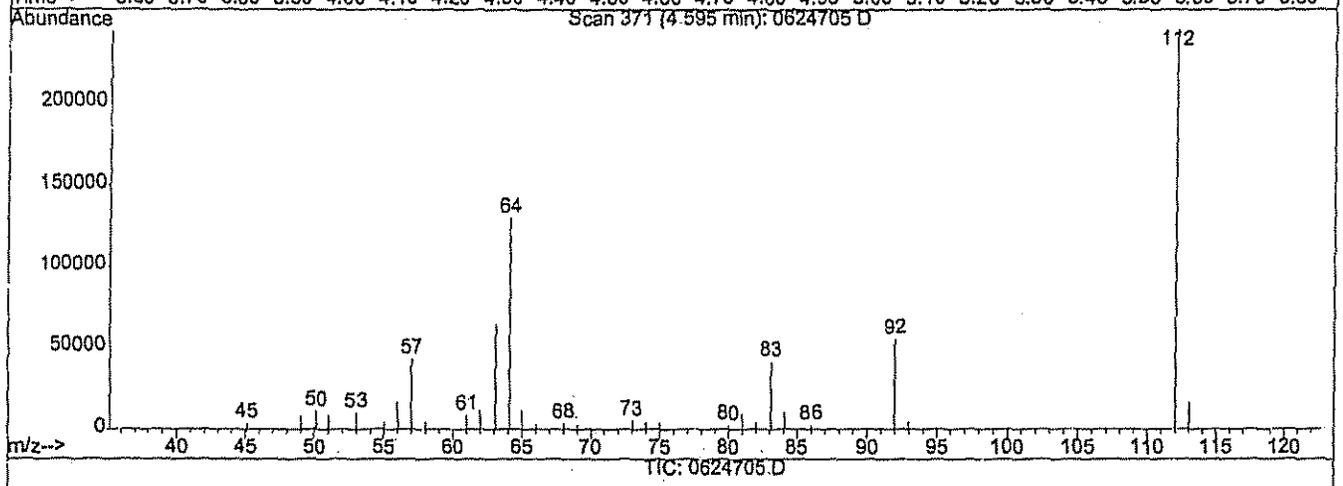


Quantitation Report (Qedit)

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

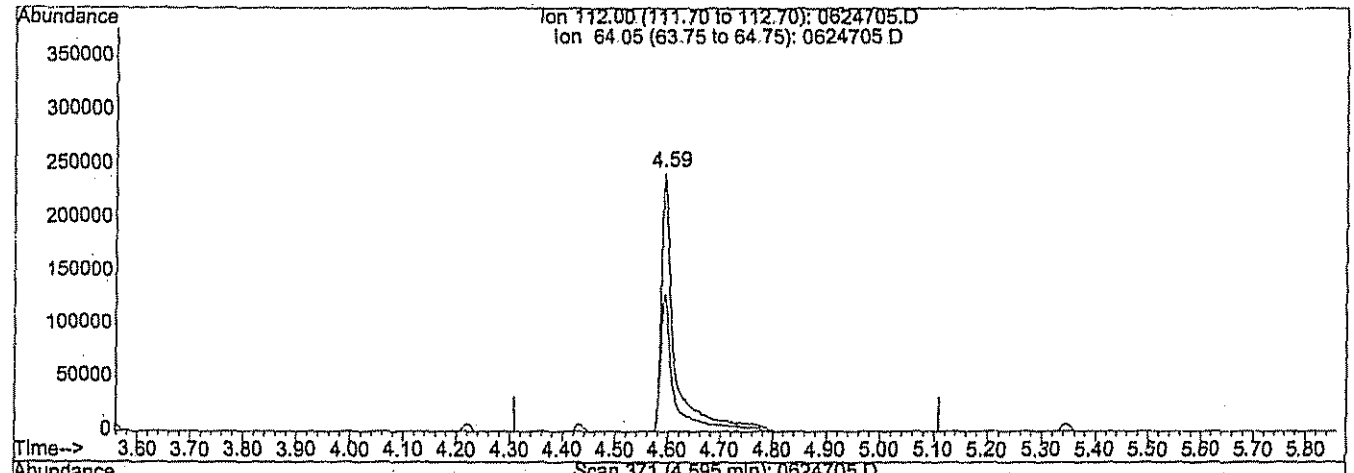
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	54.05
0.00	0.00	0.00
0.00	0.00	0.00

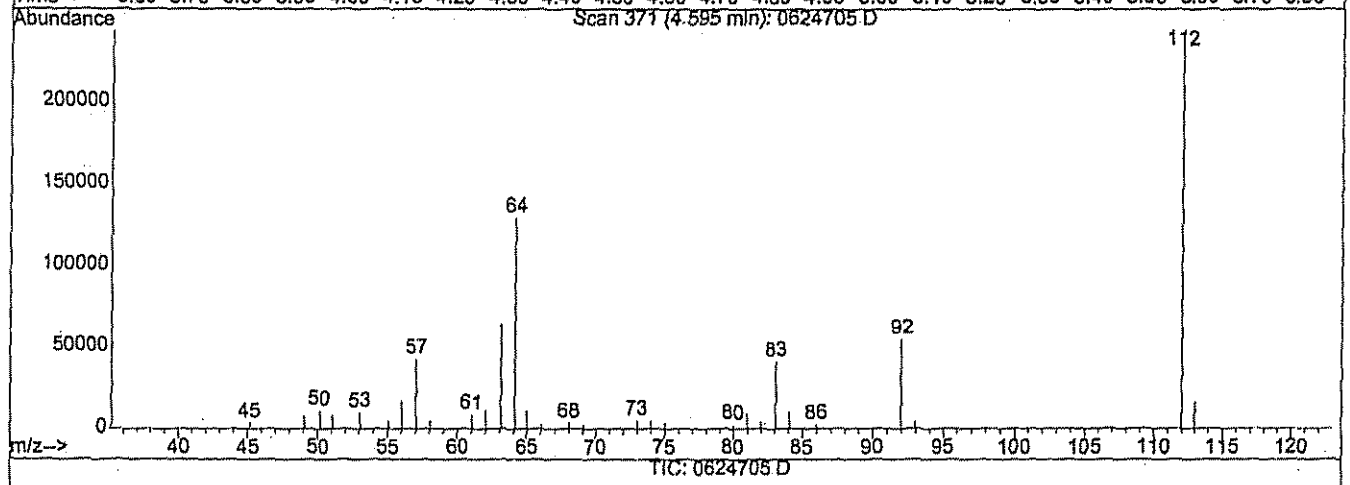
0624705.D 8270.M Fri Jun 24 15:31:13 2005 ENV

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

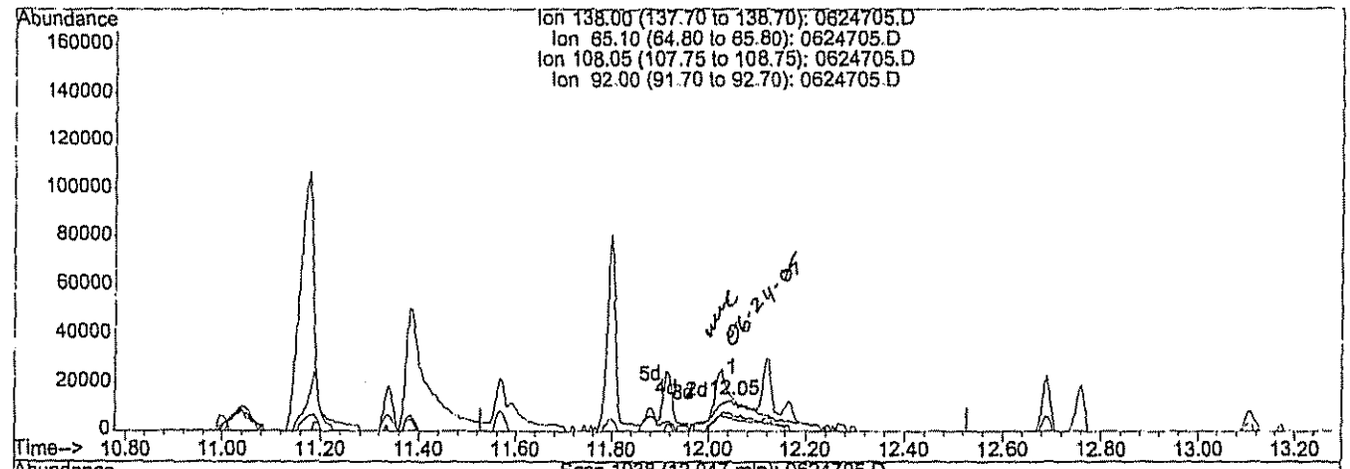
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	56.87
0.00	0.00	0.00
0.00	0.00	0.00

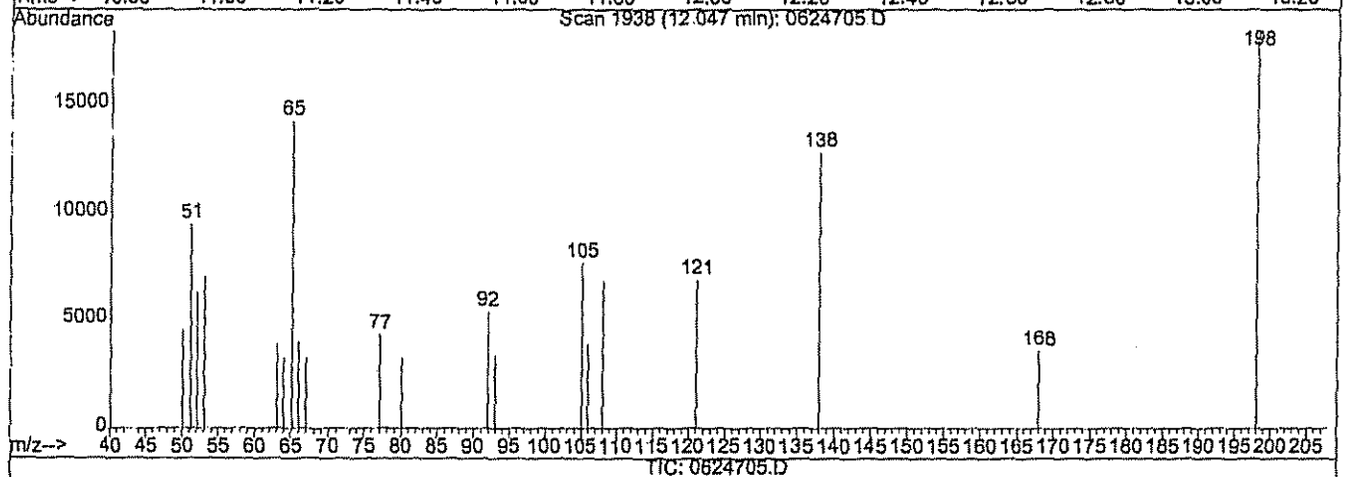
0624705.D 8270.M Fri Jun 24 15:31:09 2005 ENV

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





TIC: 0624705.D

(52) 4-Nitroaniline (TM)

12.05min 7.24ug/mL m

response 100807

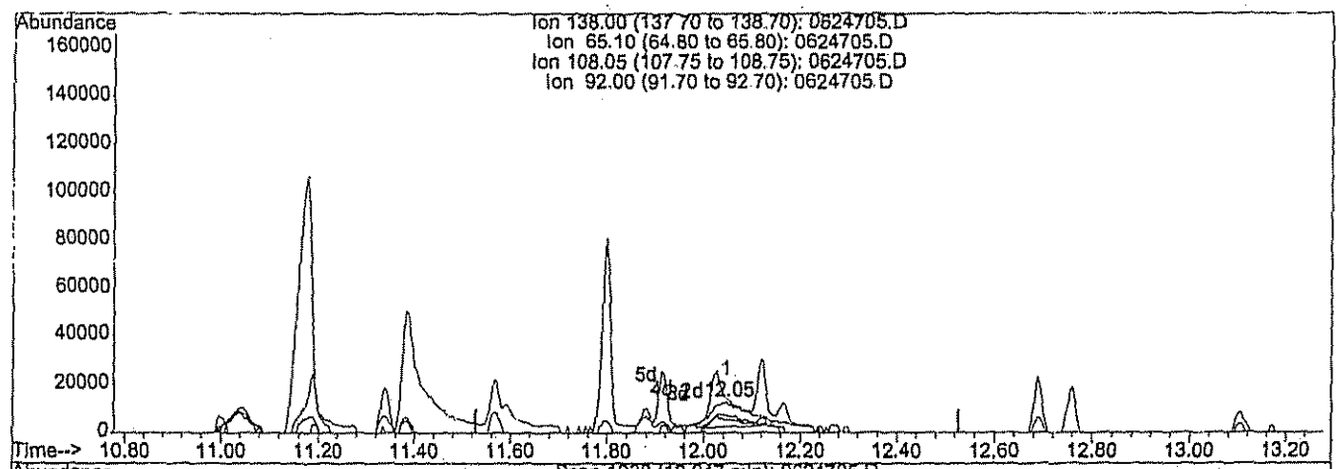
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	111.19
108.05	58.50	53.05
92.00	43.90	42.03

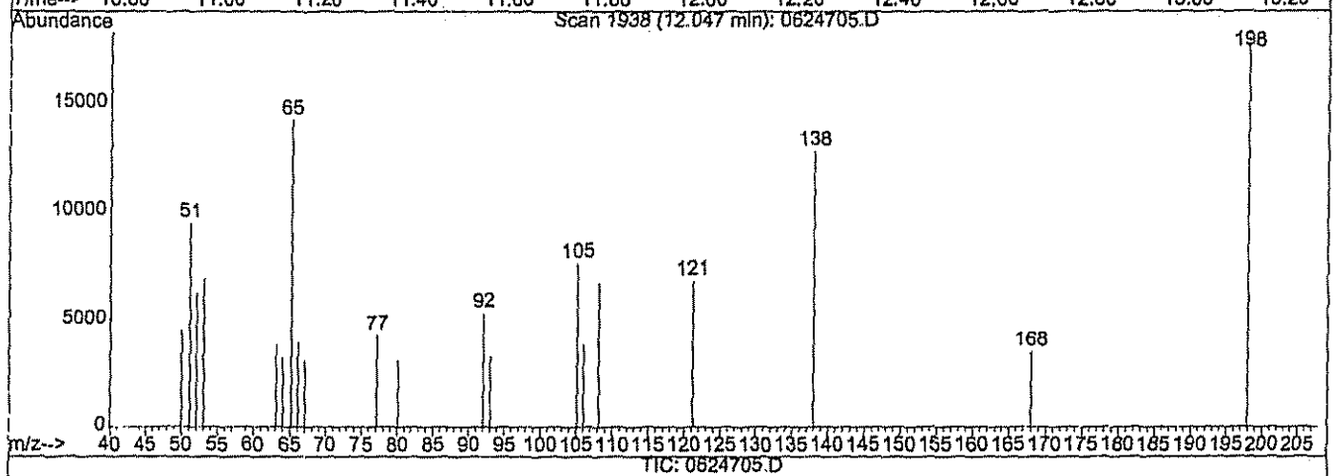
0624705.D 8270.M Fri Jun 24 15:31:43 2005 ENV

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





TIC: 0624705.D

(52) 4-Nitroaniline (TM)

12.05min 3.98ug/mL

response 55405

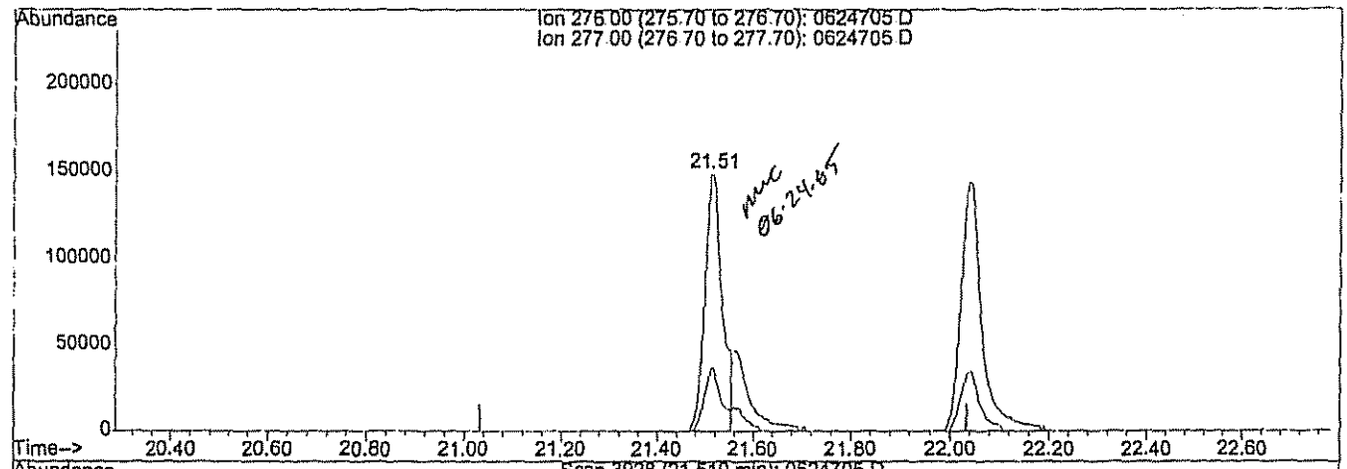
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	109.11
108.05	58.50	69.76
92.00	43.90	55.28#

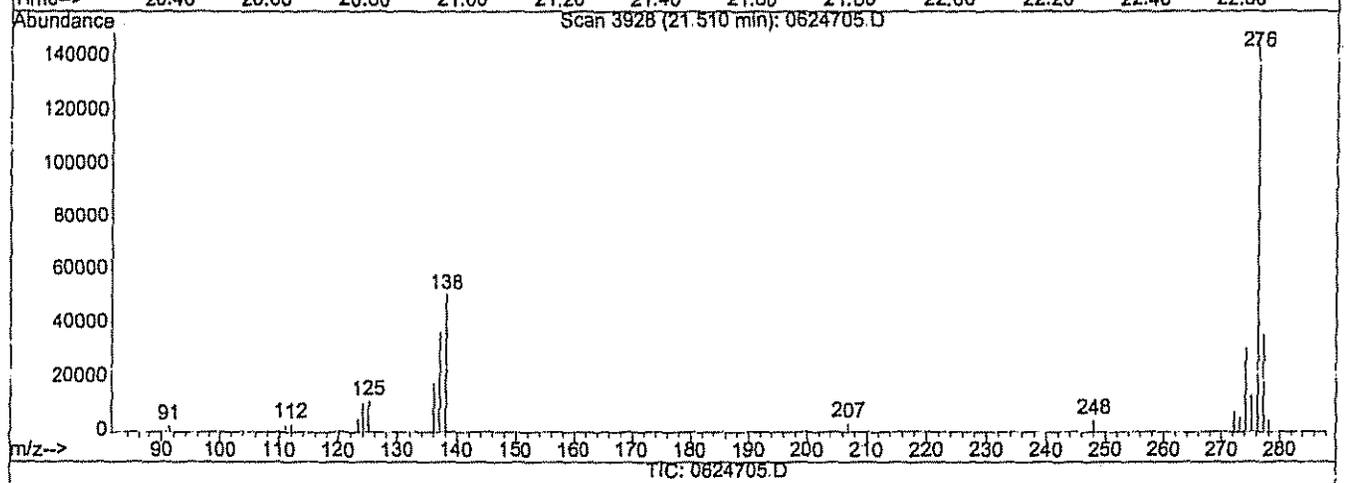
0624705.D 8270.M Fri Jun 24 15:31:39 2005 ENV

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

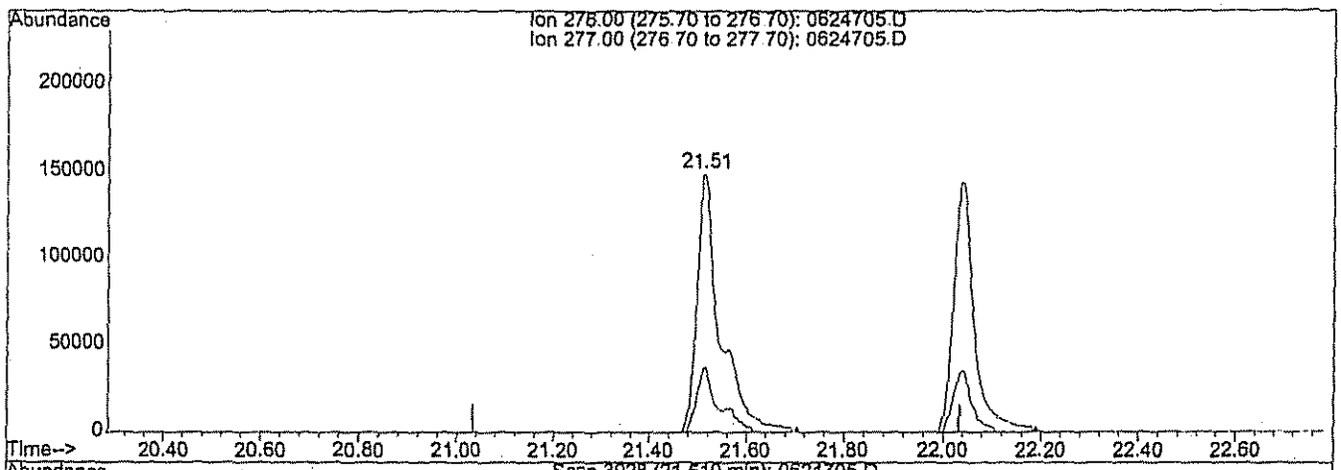
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	24.23
0.00	0.00	0.00
0.00	0.00	0.00

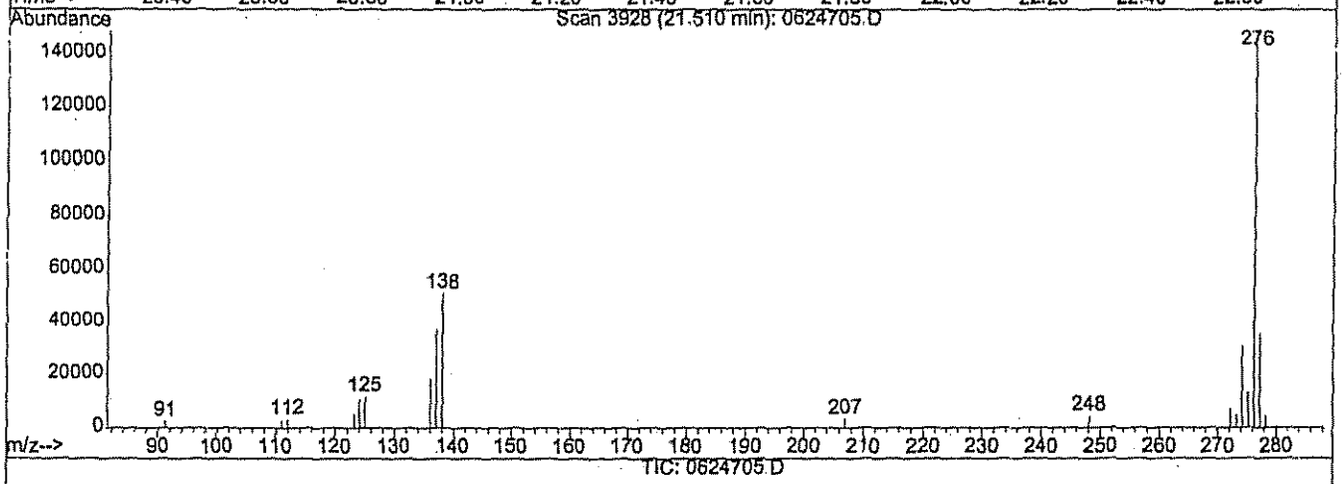
0624705.D 8270.M Fri Jun 24 15:32:11 2005 ENV

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

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

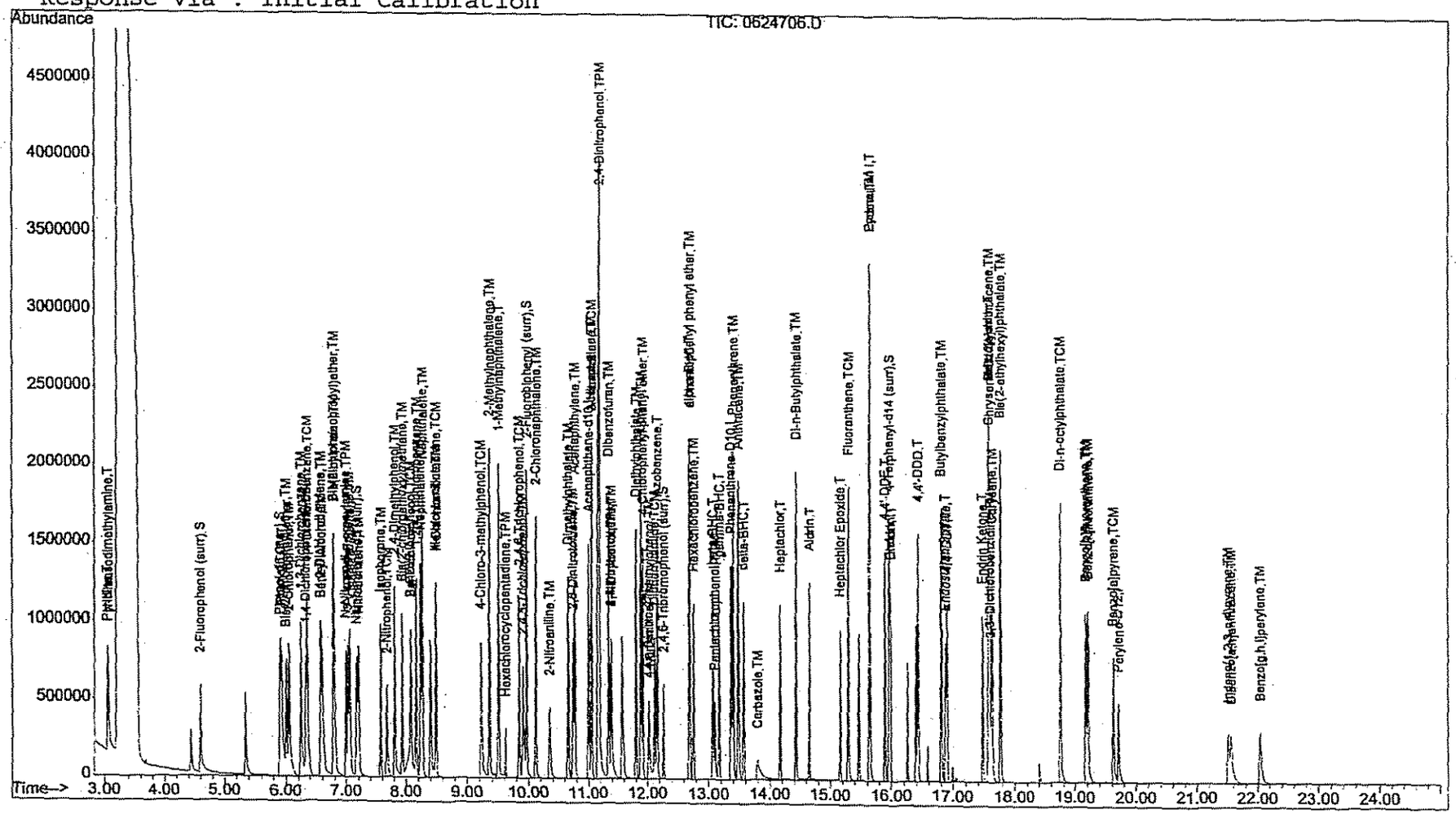
Quantitation Report (QT Reviewed)

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

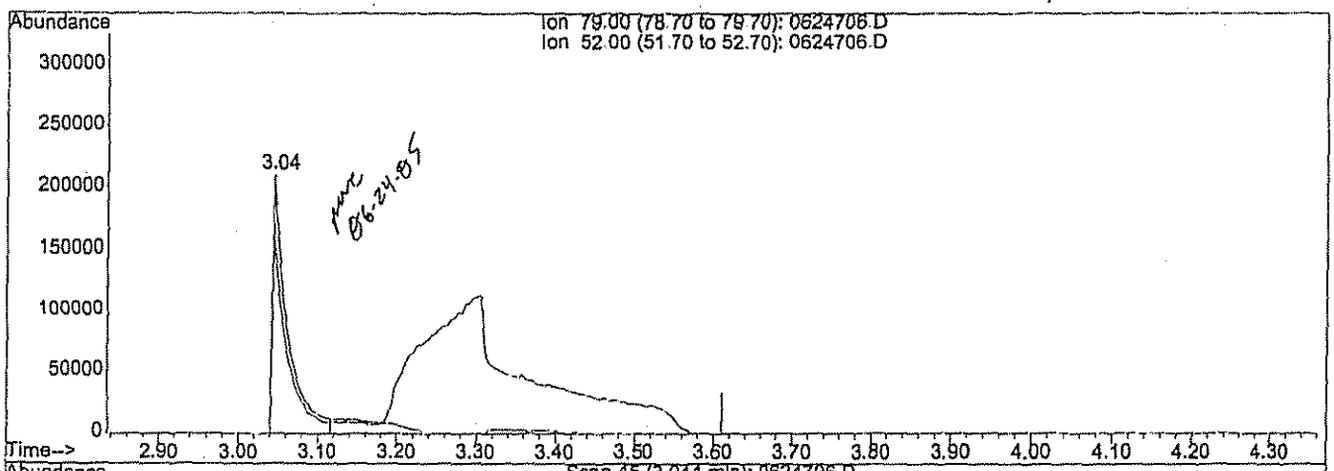
Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration



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

(2) Pyridine (T)

3.04min 6.13ug/mL m

response 269200

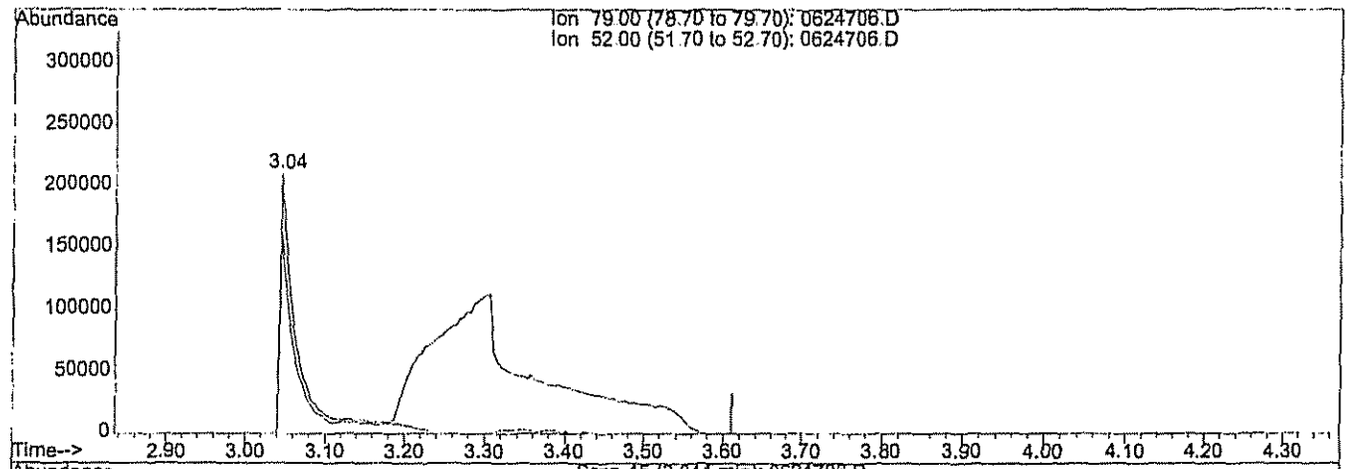
Ion	Exp%	Act%
79.00	100	100
52.00	73.40	76.51
0.00	0.00	0.00
0.00	0.00	0.00

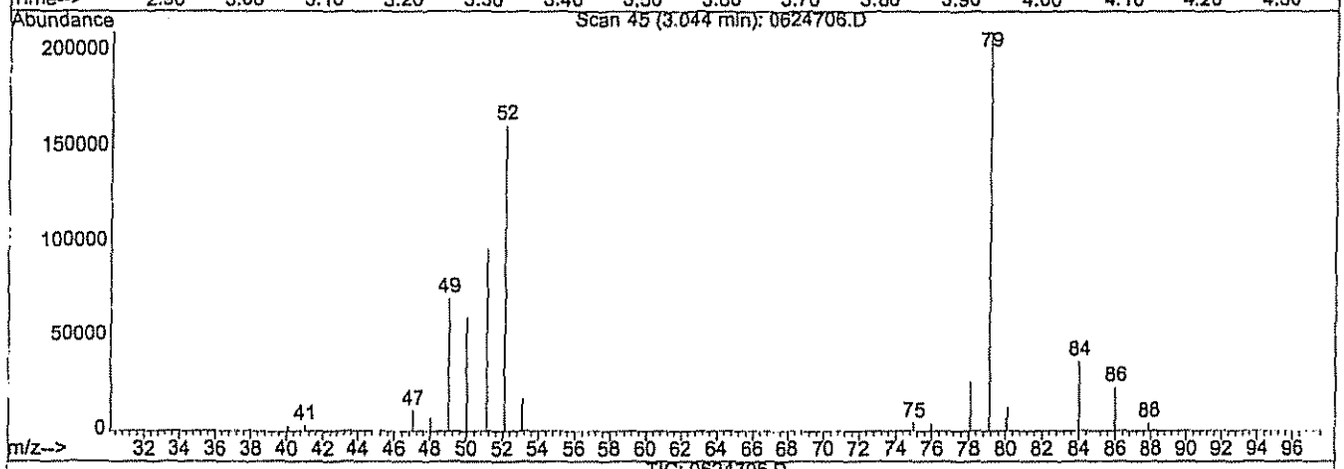
0624706.D 8270.M Fri Jun 24 15:32:42 2005 ENV

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





TIC: 0624706.D

(2) Pyridine (T)

3.04min 7.41ug/mL

response 325051

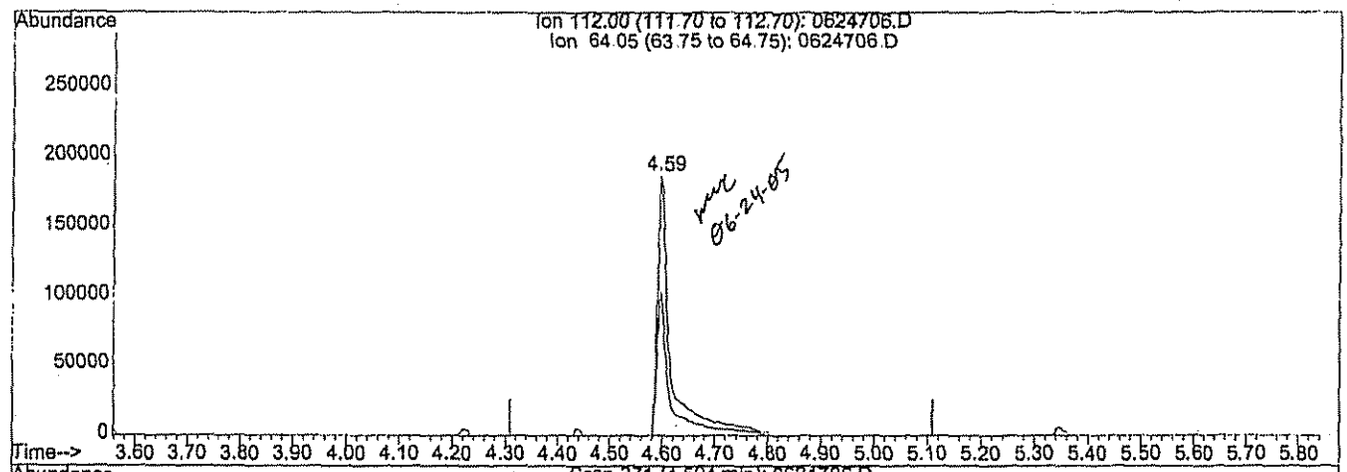
Ion	Exp%	Act%
79.00	100	100
52.00	73.40	63.37
0.00	0.00	0.00
0.00	0.00	0.00

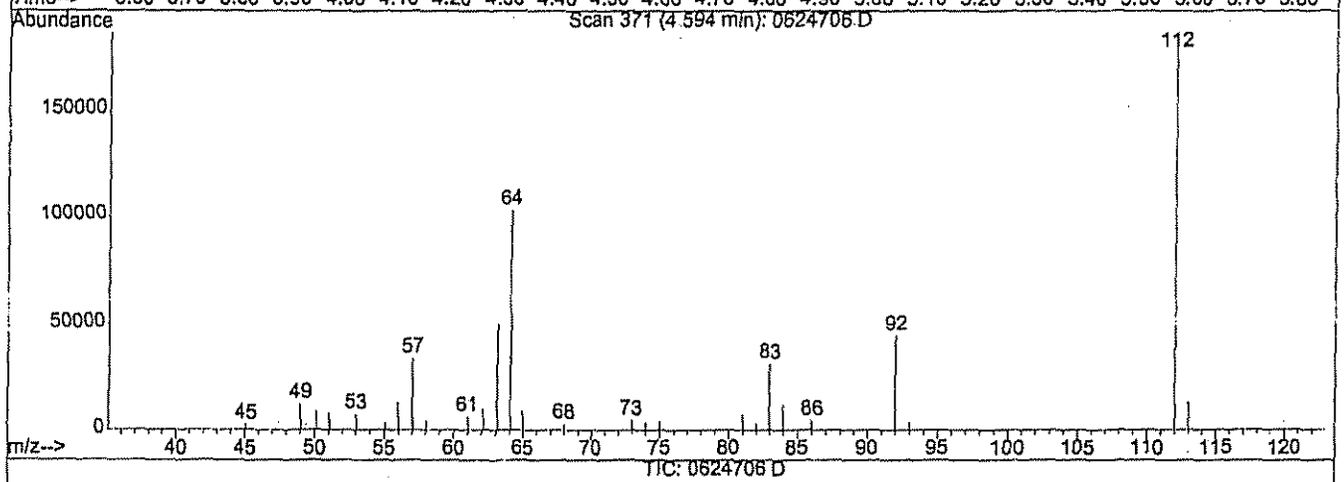
0624706.D 8270.M Fri Jun 24 15:32:38 2005 ENV

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

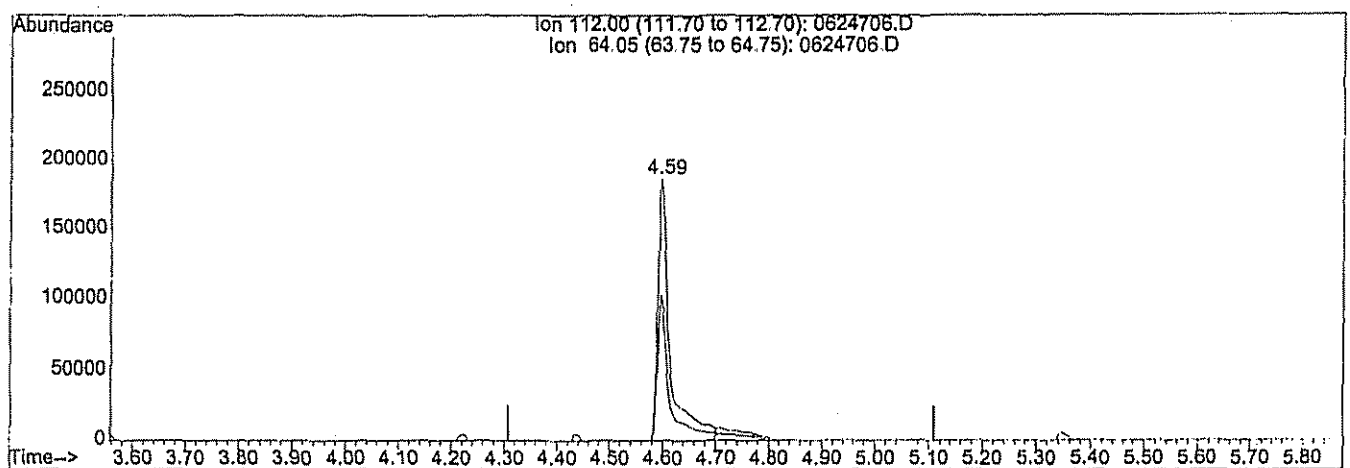
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	54.70
0.00	0.00	0.00
0.00	0.00	0.00

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



TIC: 0624706.D

(16) 2-Fluorophenol (surr) (S)

4.59min 5.51ug/mL

response 302920

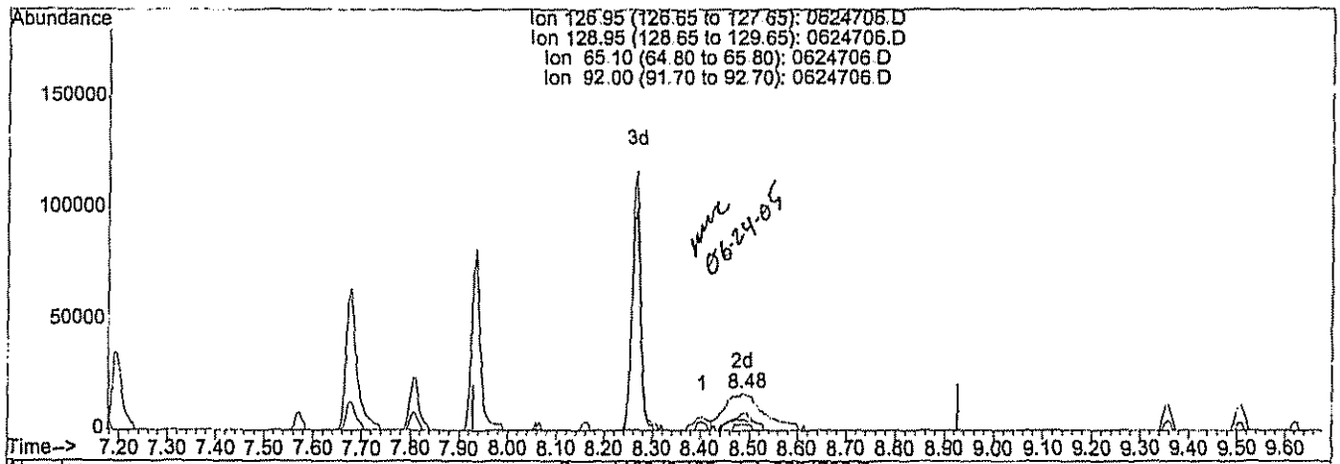
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	60.98#
0.00	0.00	0.00
0.00	0.00	0.00

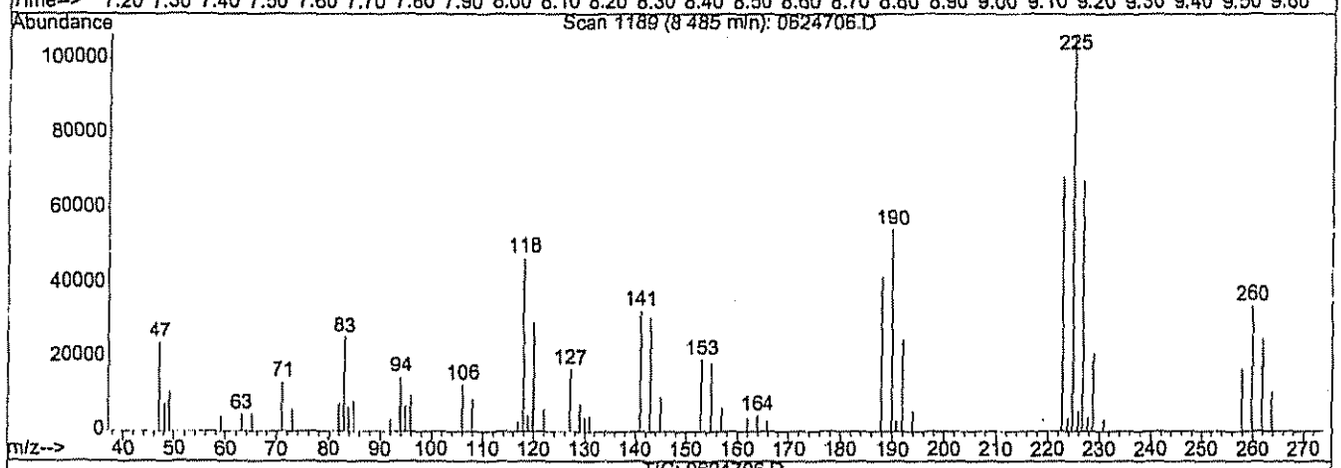
0624706.D 8270.M Fri Jun 24 15:32:54 2005 ENV

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

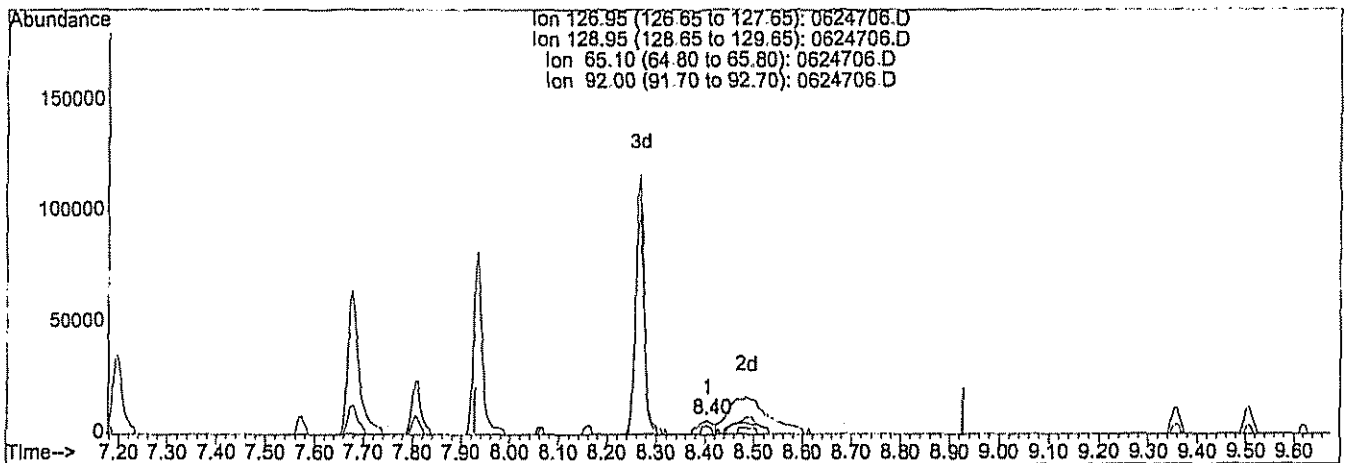
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	45.61#
65.10	28.40	28.71
92.00	16.90	18.18

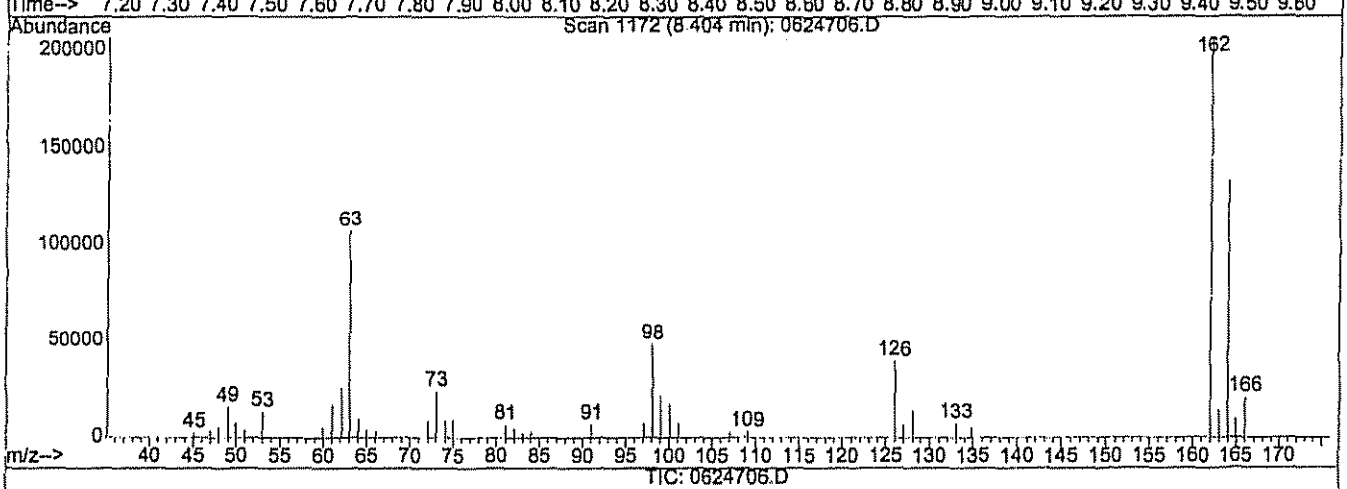
0624706.D 8270.M Fri Jun 24 15:33:11 2005 ENV

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





(28) 4-Chloroaniline (TM)

8.40min 0.43ug/mL

response 13967

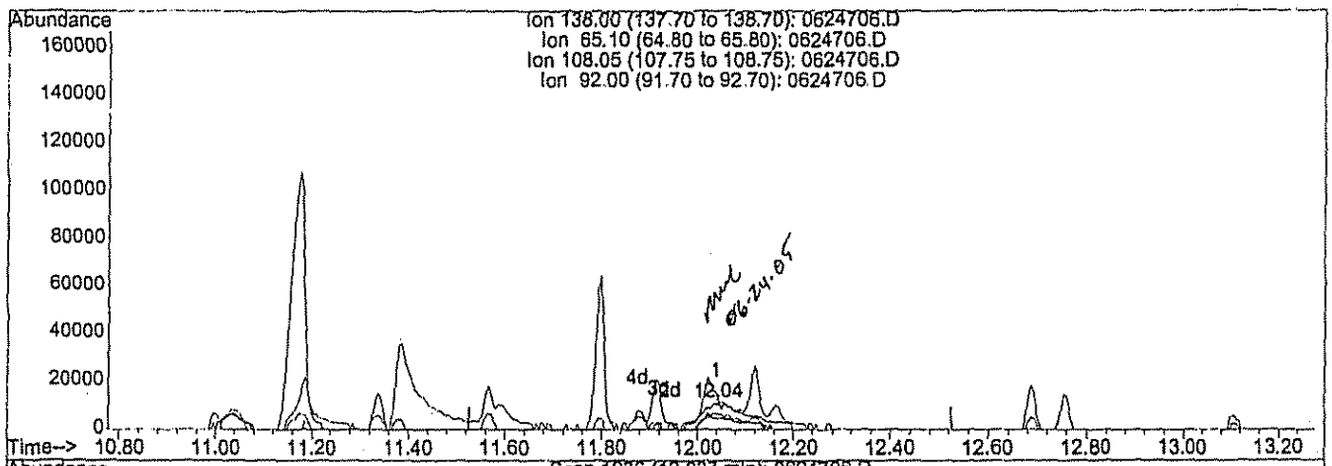
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	0.00#
65.10	28.40	61.62#
92.00	16.90	0.00#

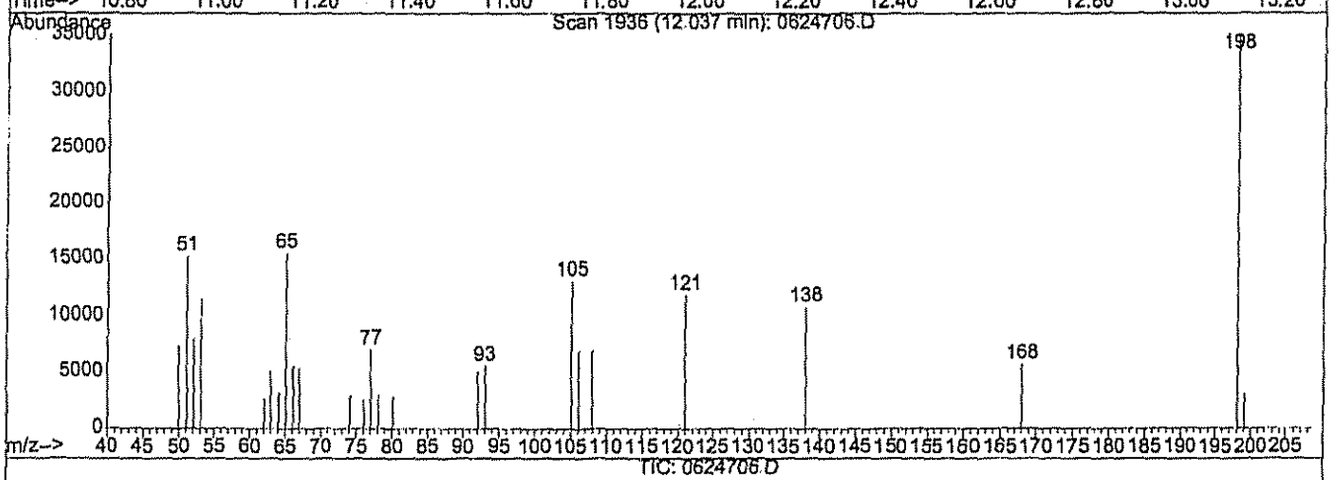
0624706.D 8270.M Fri Jun 24 15:33:06 2005 ENV

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

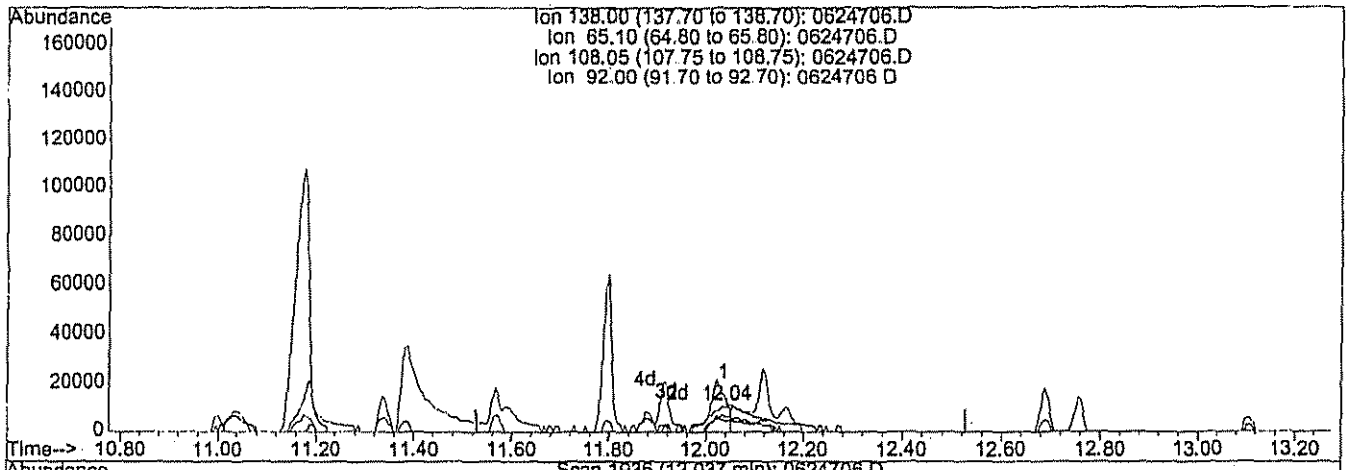
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	143.41#
108.05	58.50	63.78
92.00	43.90	46.87

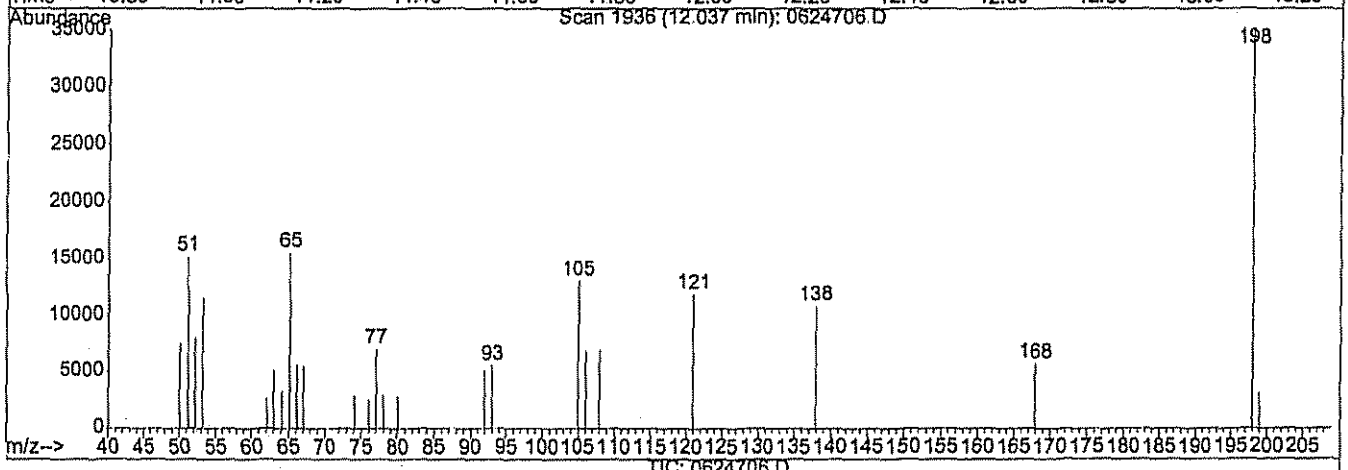
0624706.D 8270.M Fri Jun 24 15:33:30 2005 ENV

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

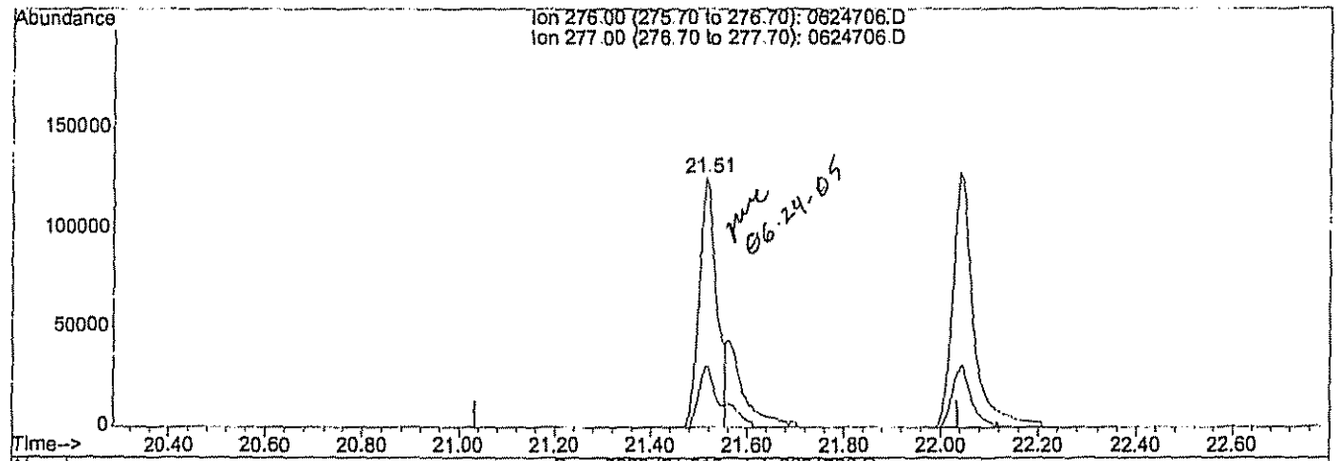
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	143.41#
108.05	58.50	63.78
92.00	43.90	46.87

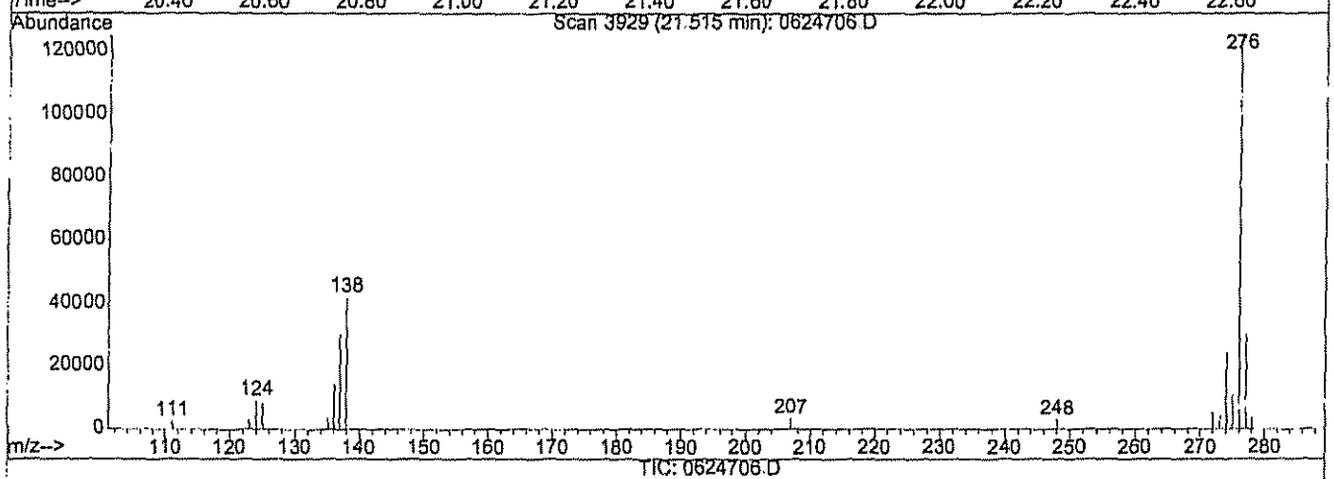
0624706.D 8270.M Fri Jun 24 15:33:25 2005 ENV

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

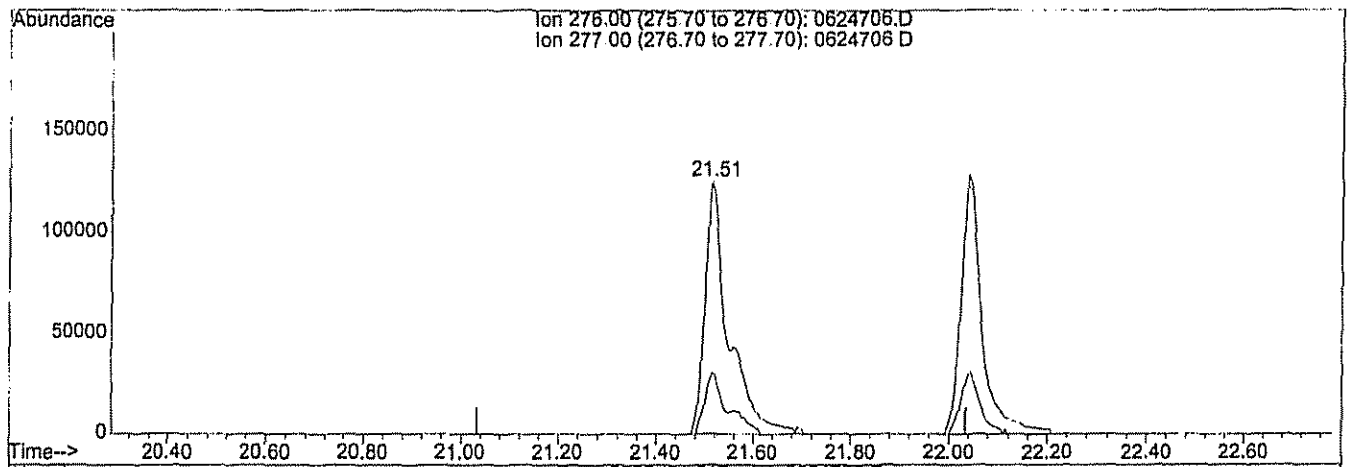
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	24.25
0.00	0.00	0.00
0.00	0.00	0.00

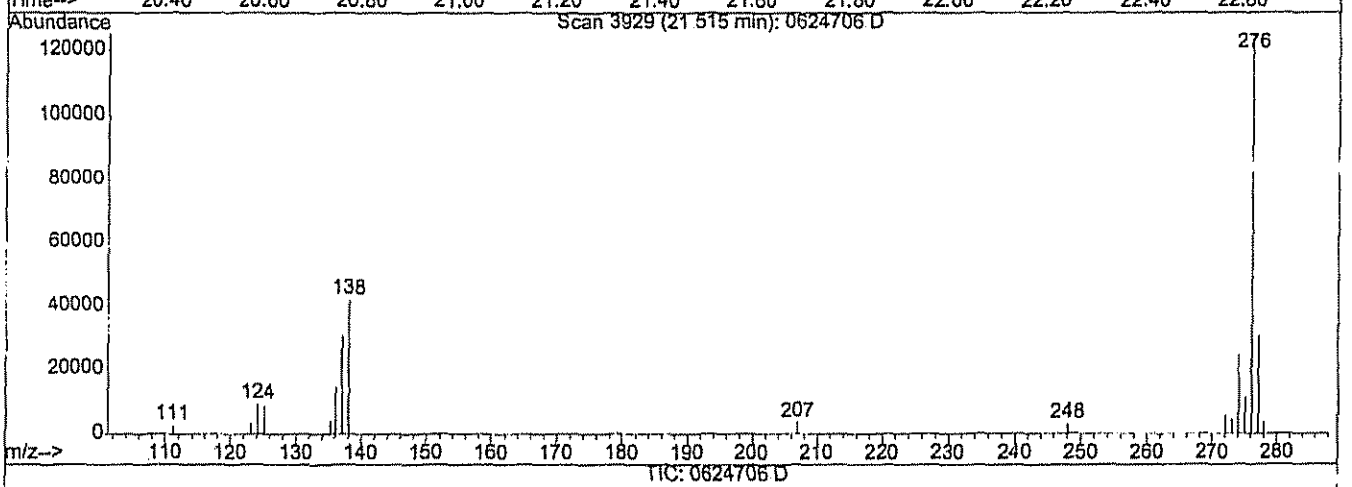
0624706.D 8270.M Fri Jun 24 15:34:01 2005 ENV

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

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

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

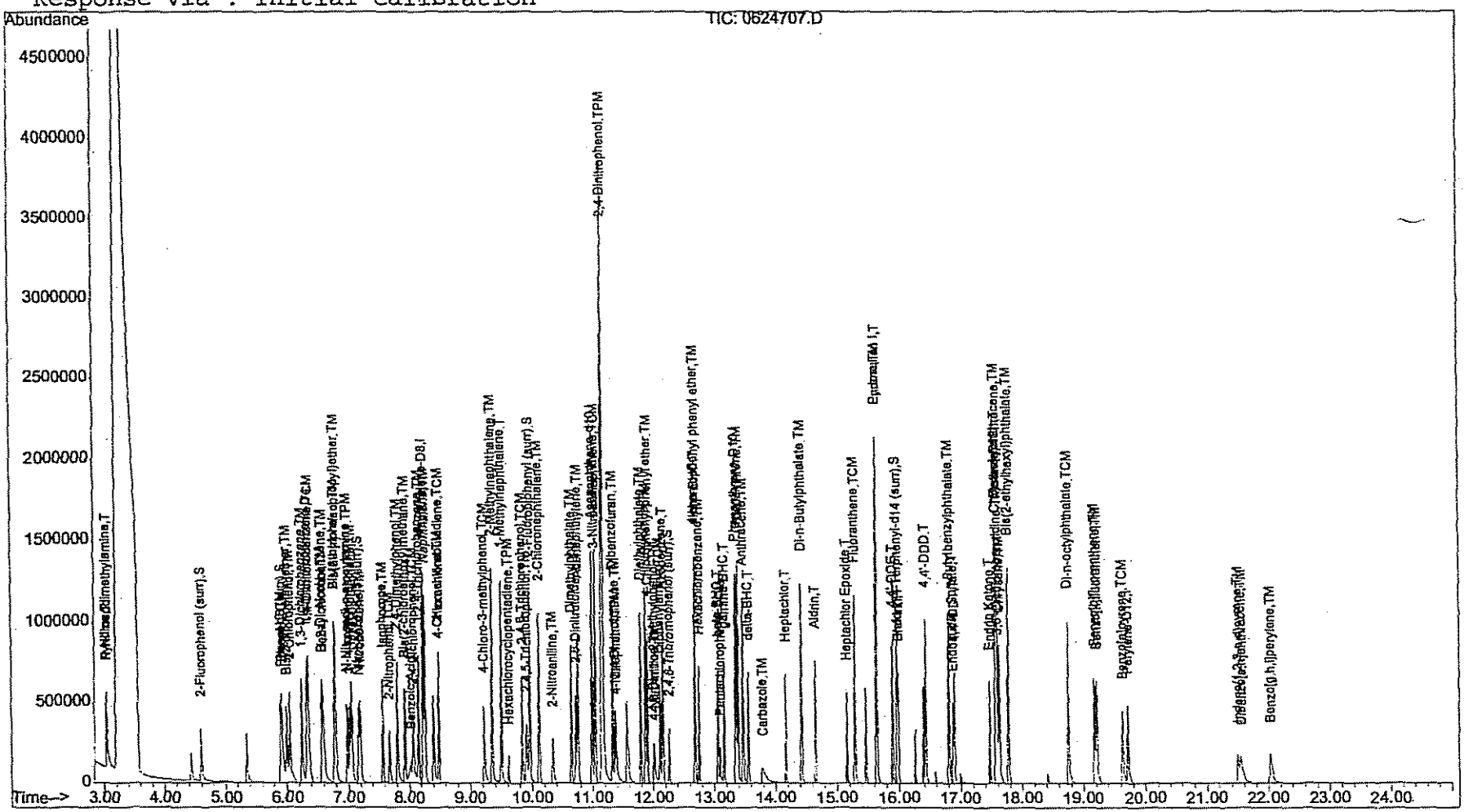
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.17	100	95660	4.62 ug/mL	89
72)	Aldrin	14.65	66	93647	4.79 ug/mL	88
73)	Heptachlor Epoxide	15.17	353	38101	4.10 ug/mL	98
74)	Endosulfan I	15.65	195	25186	5.07 ug/mL#	84
75)	4,4'-DDE	15.90	246	146817	4.34 ug/mL	100
76)	Dieldrin	15.99	79	123412	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

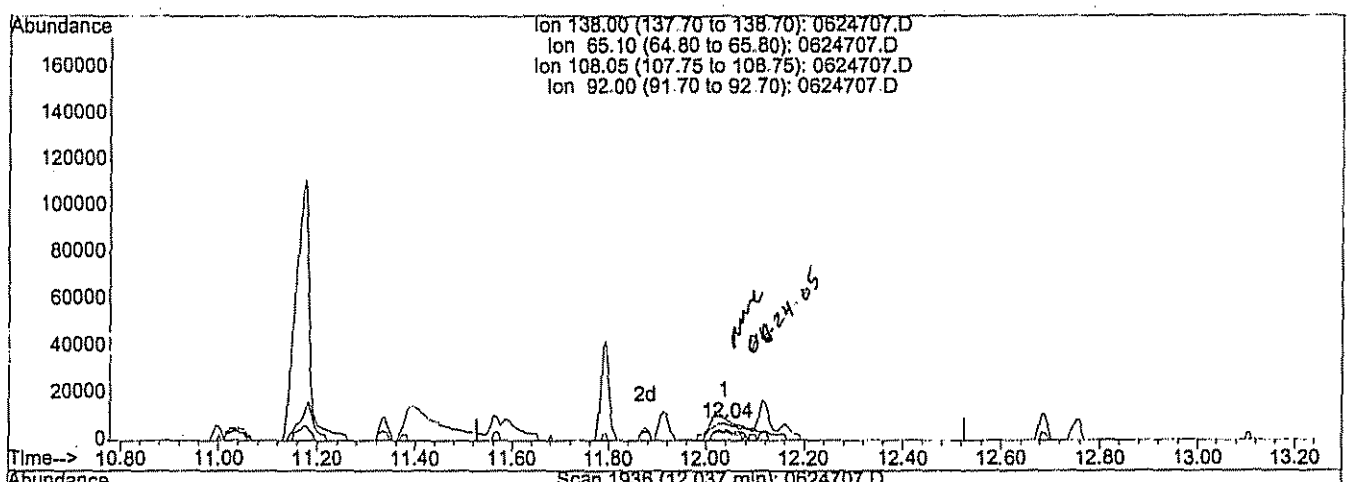
Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

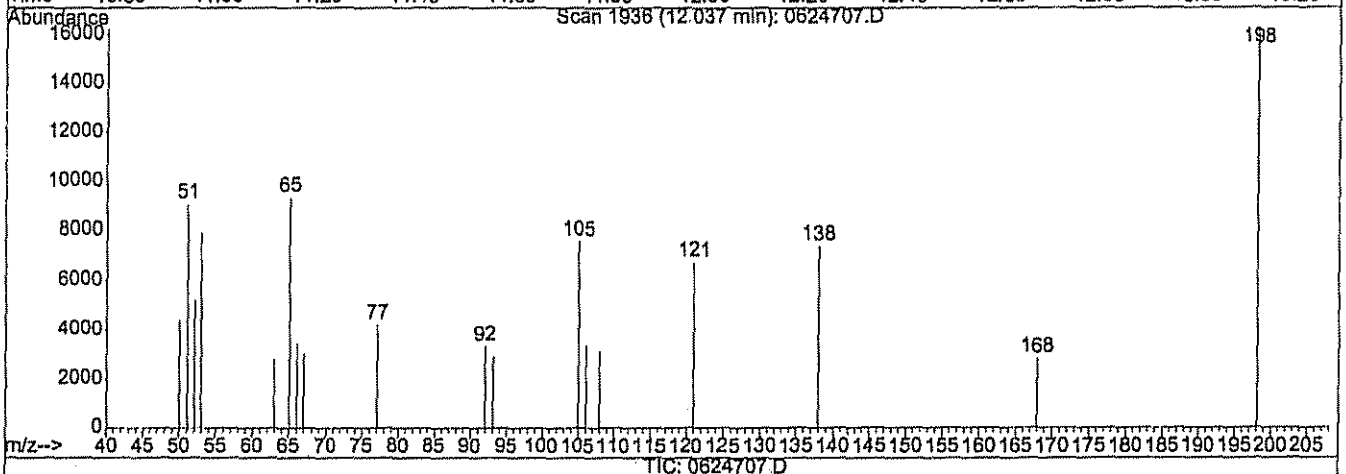


Quantitation Report (Qedit)

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





TIC: 0624707.D

(52) 4-Nitroaniline (TM)

12.04min 3.48ug/mL m

response 45783

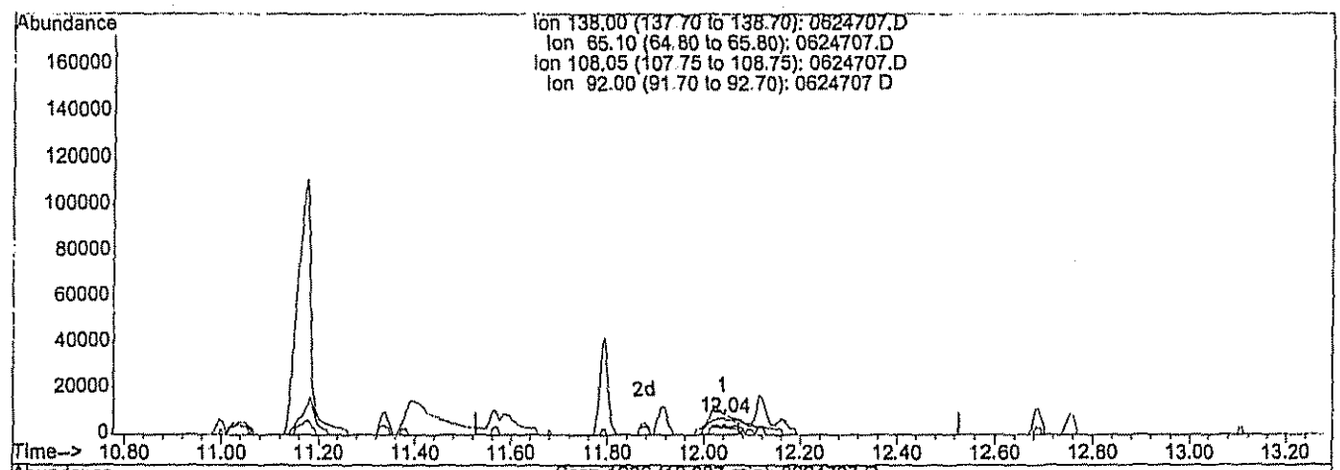
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	126.89
108.05	58.50	42.86#
92.00	43.90	45.43

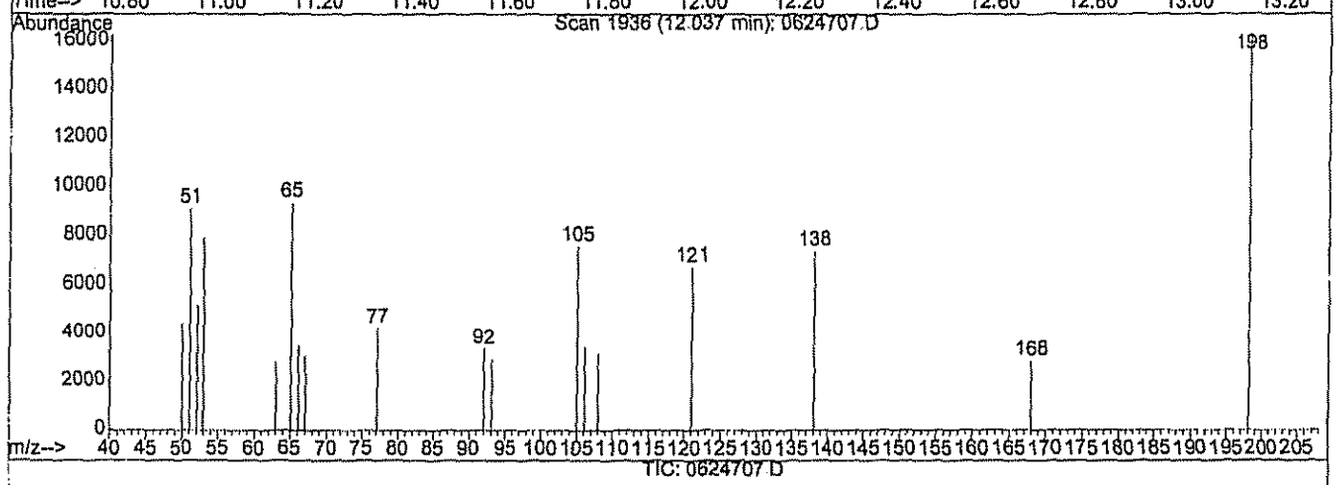
0624707.D 8270.M Fri Jun 24 16:24:34 2005 ENV

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

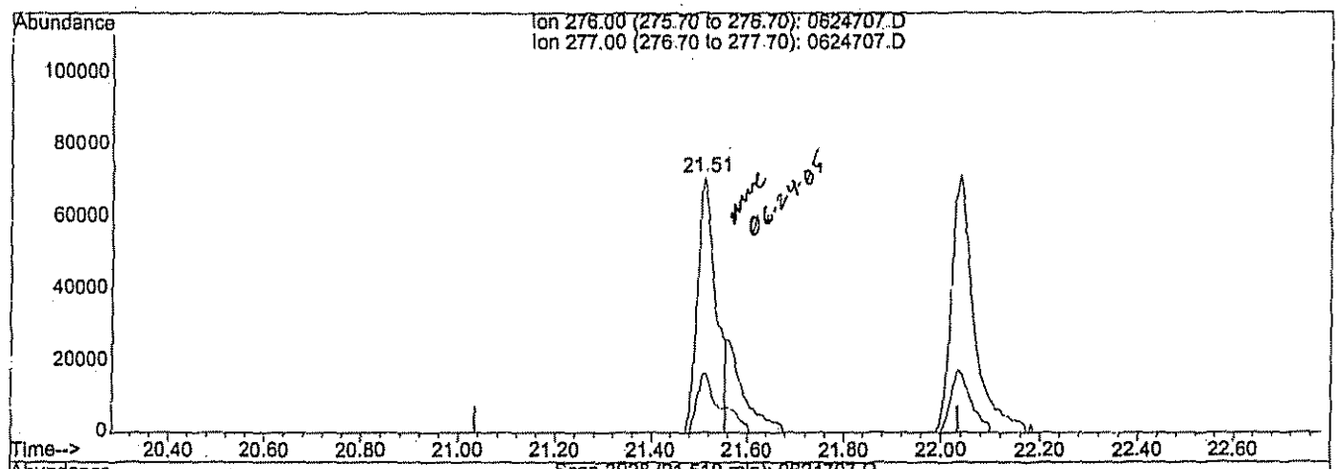
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	93.52
108.05	58.50	42.86#
92.00	43.90	45.43

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

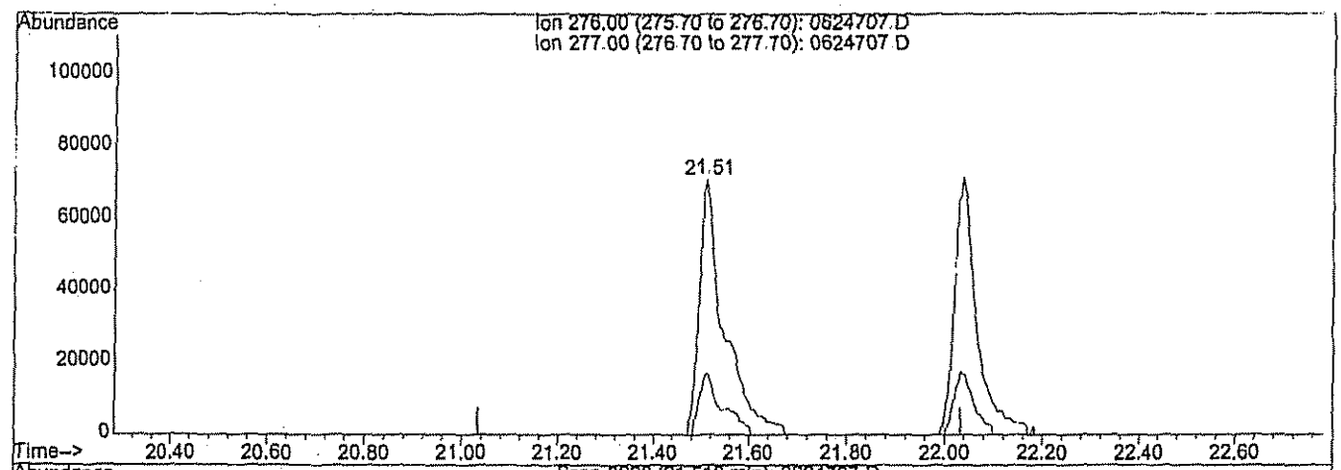
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.57
0.00	0.00	0.00
0.00	0.00	0.00

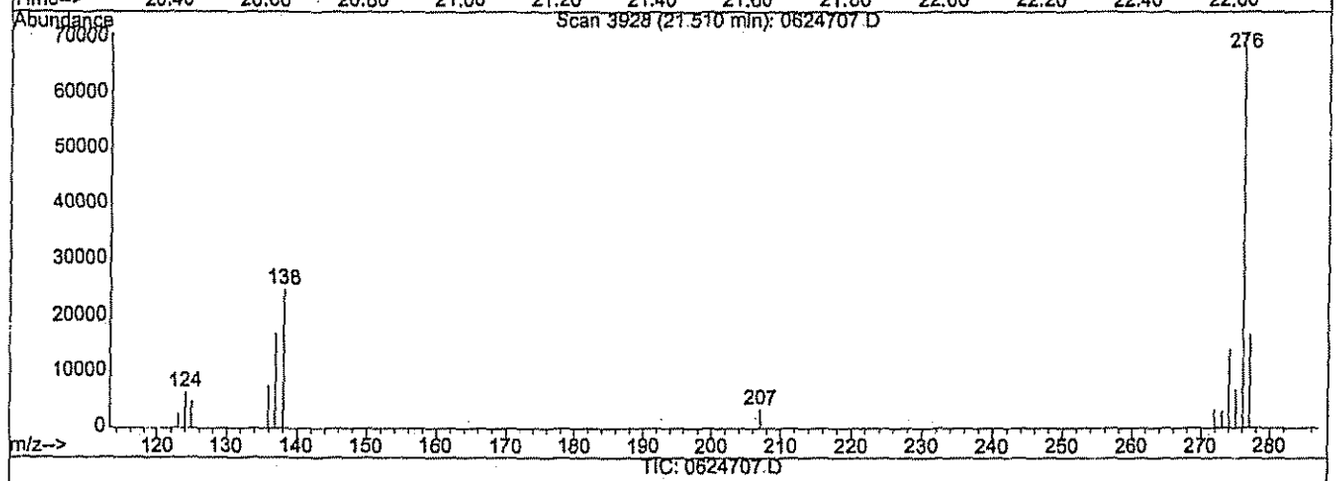
0624707.D 8270.M Fri Jun 24 16:25:05 2005 ENV

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

mrc 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

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

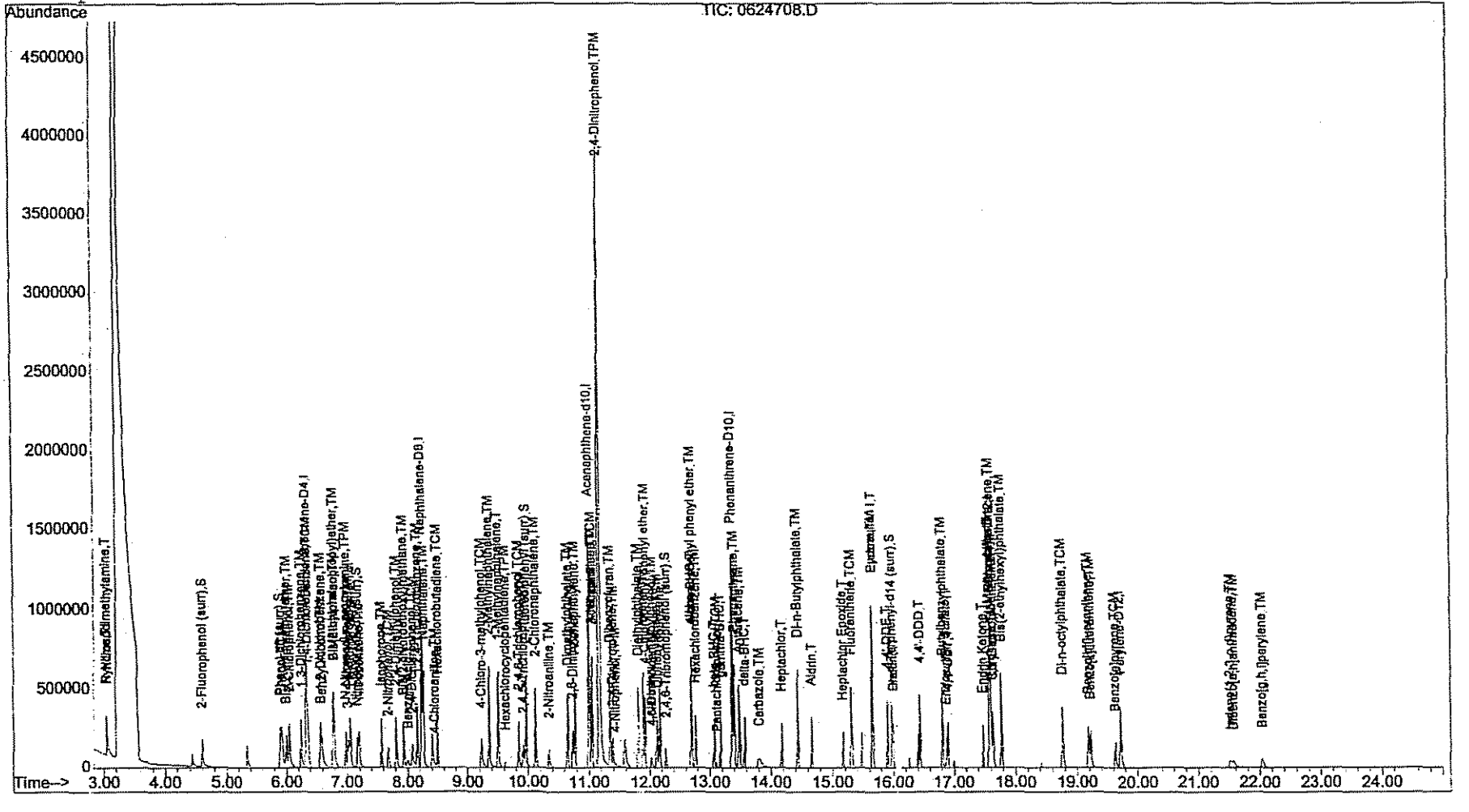
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.17	100	48596	2.30 ug/mL	89
72)	Aldrin	14.65	66	50213	2.52 ug/mL	86
73)	Heptachlor Epoxide	15.17	353	18319	1.93 ug/mL	100
74)	Endosulfan I	15.64	195	12675	2.50 ug/mL#	72
75)	4,4'-DDE	15.89	246	74456	2.16 ug/mL	99
76)	Dieldrin	15.99	79	67126	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

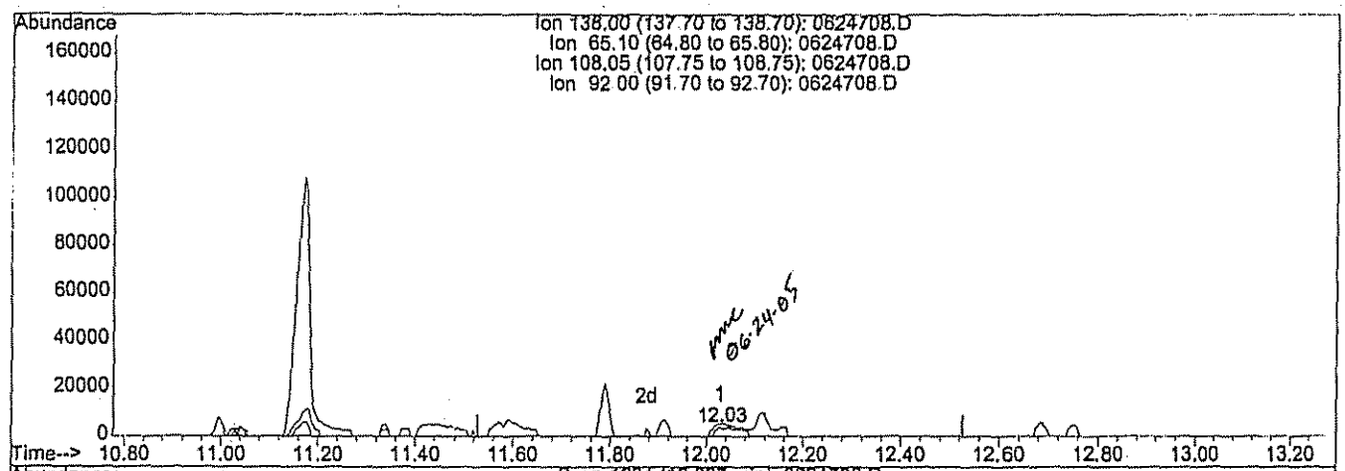
Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

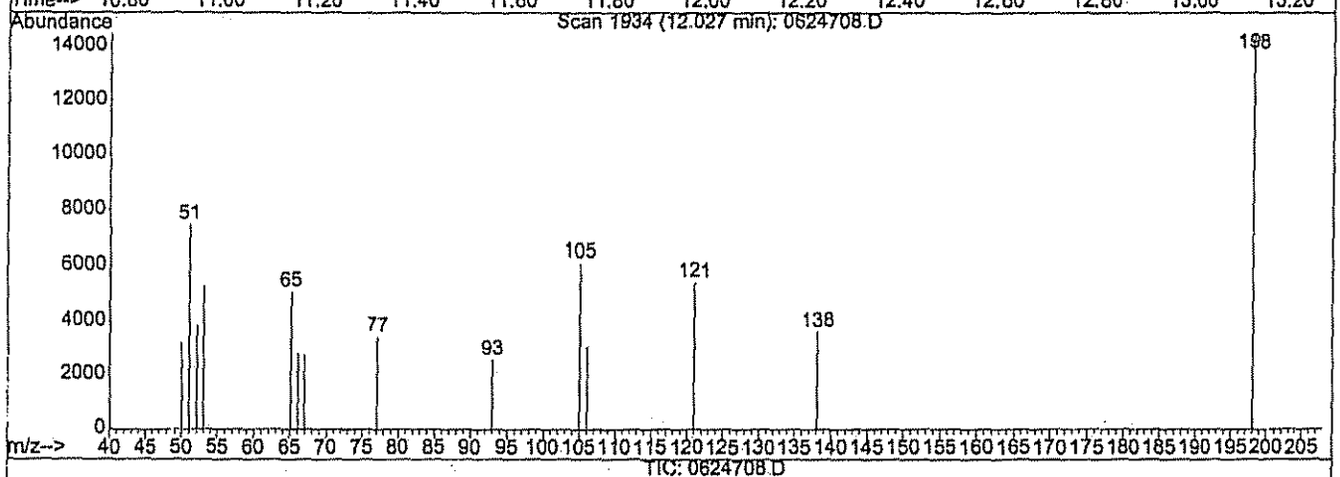


Quantitation Report (Qedit)

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 0.93ug/mL m

response 12628

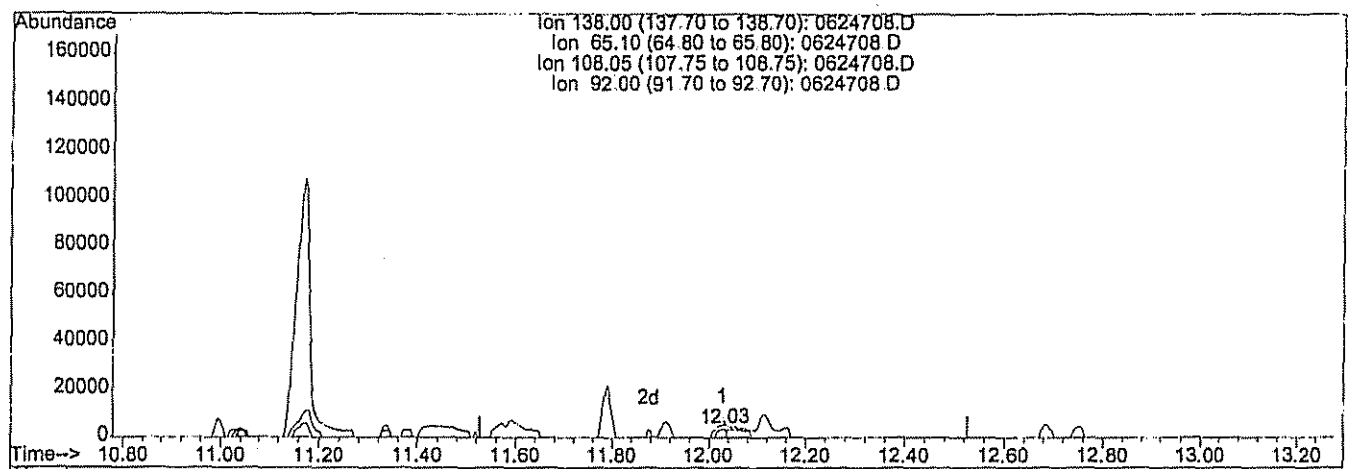
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	139.79#
108.05	58.50	0.00#
92.00	43.90	0.00#

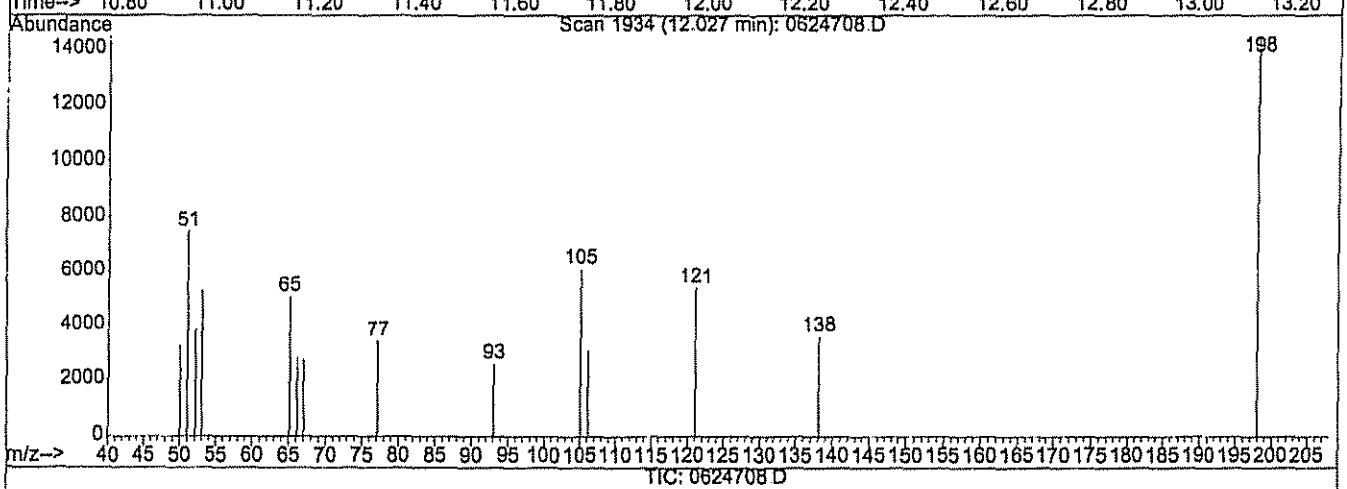
0624708.D 8270.M Fri Jun 24 16:25:59 2005 ENV

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

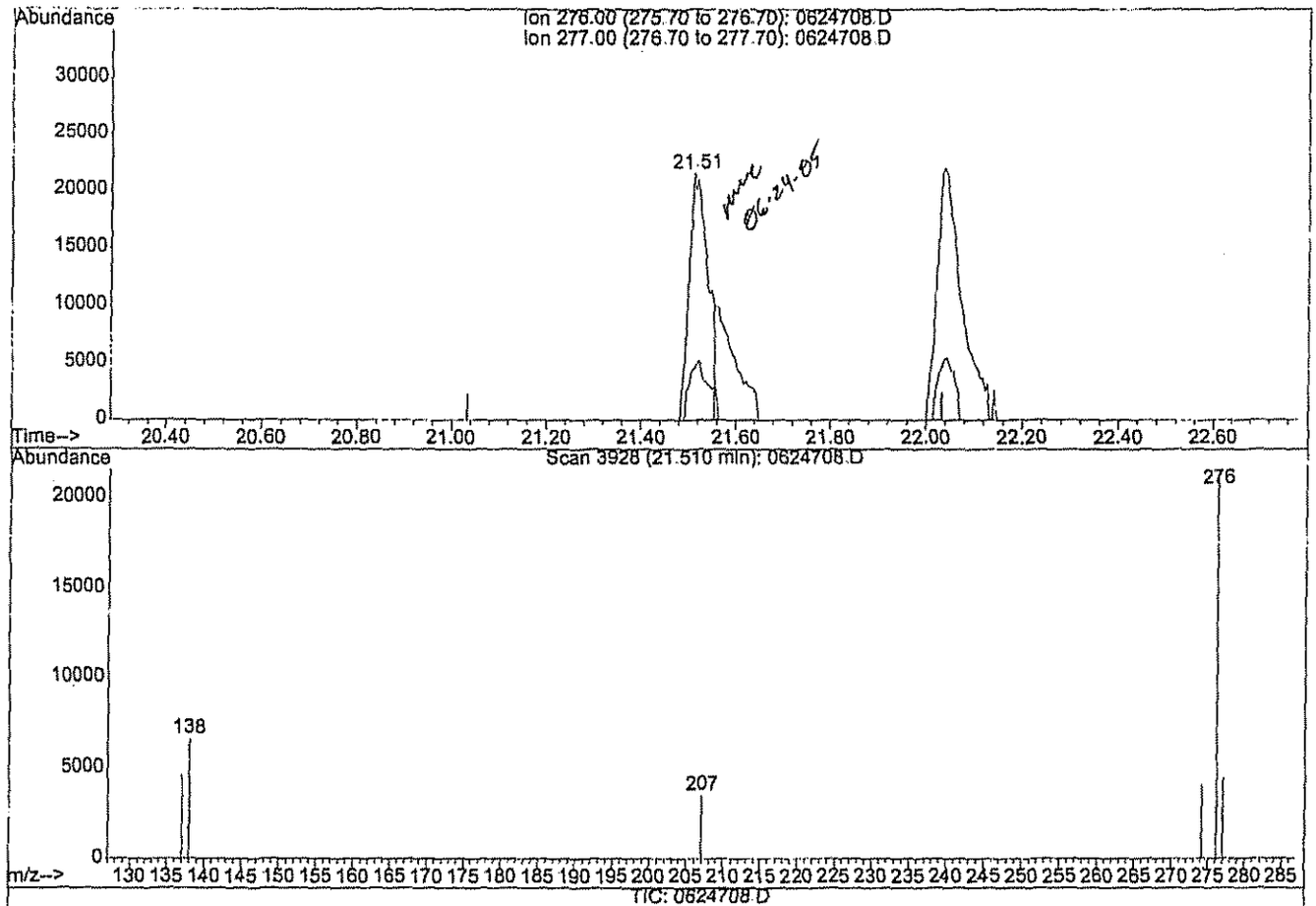
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	71.77#
108.05	58.50	0.00#
92.00	43.90	0.00#

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

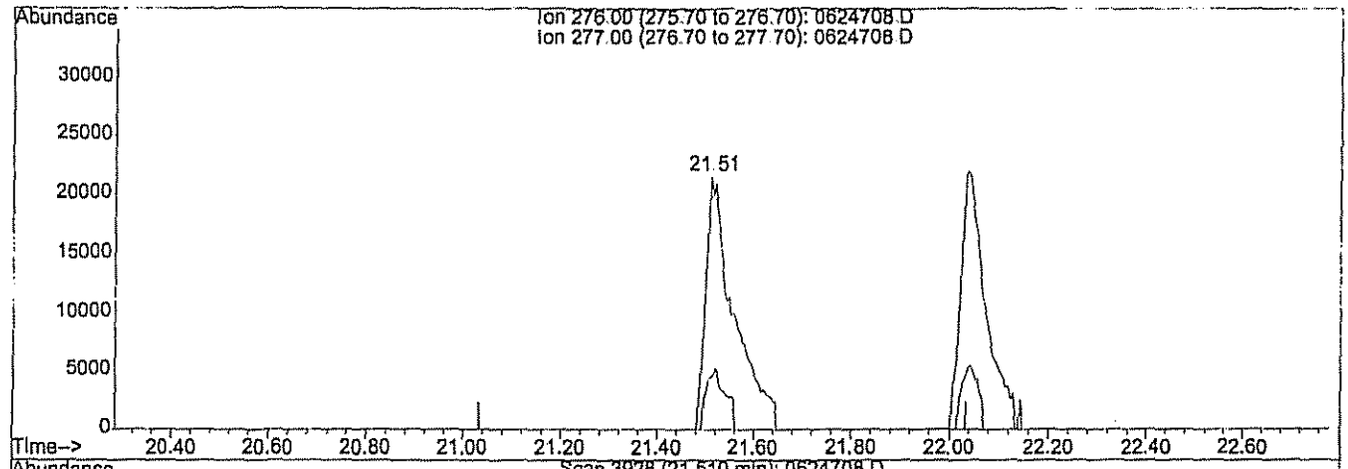
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	20.82
0.00	0.00	0.00
0.00	0.00	0.00

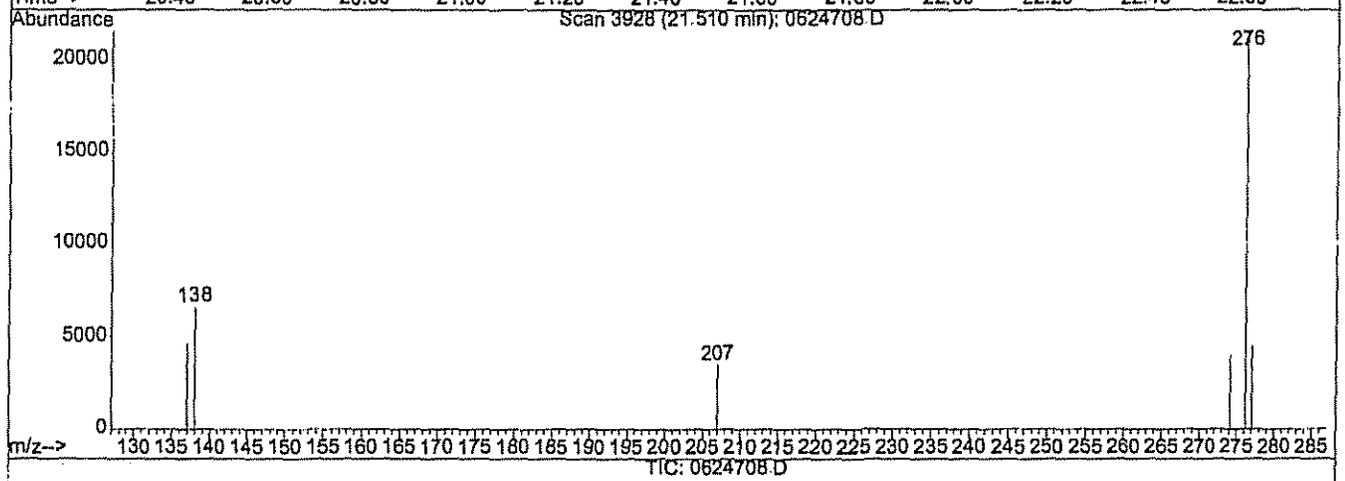
0624708.D 8270.M Fri Jun 24 16:26:30 2005 ENV

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

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

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

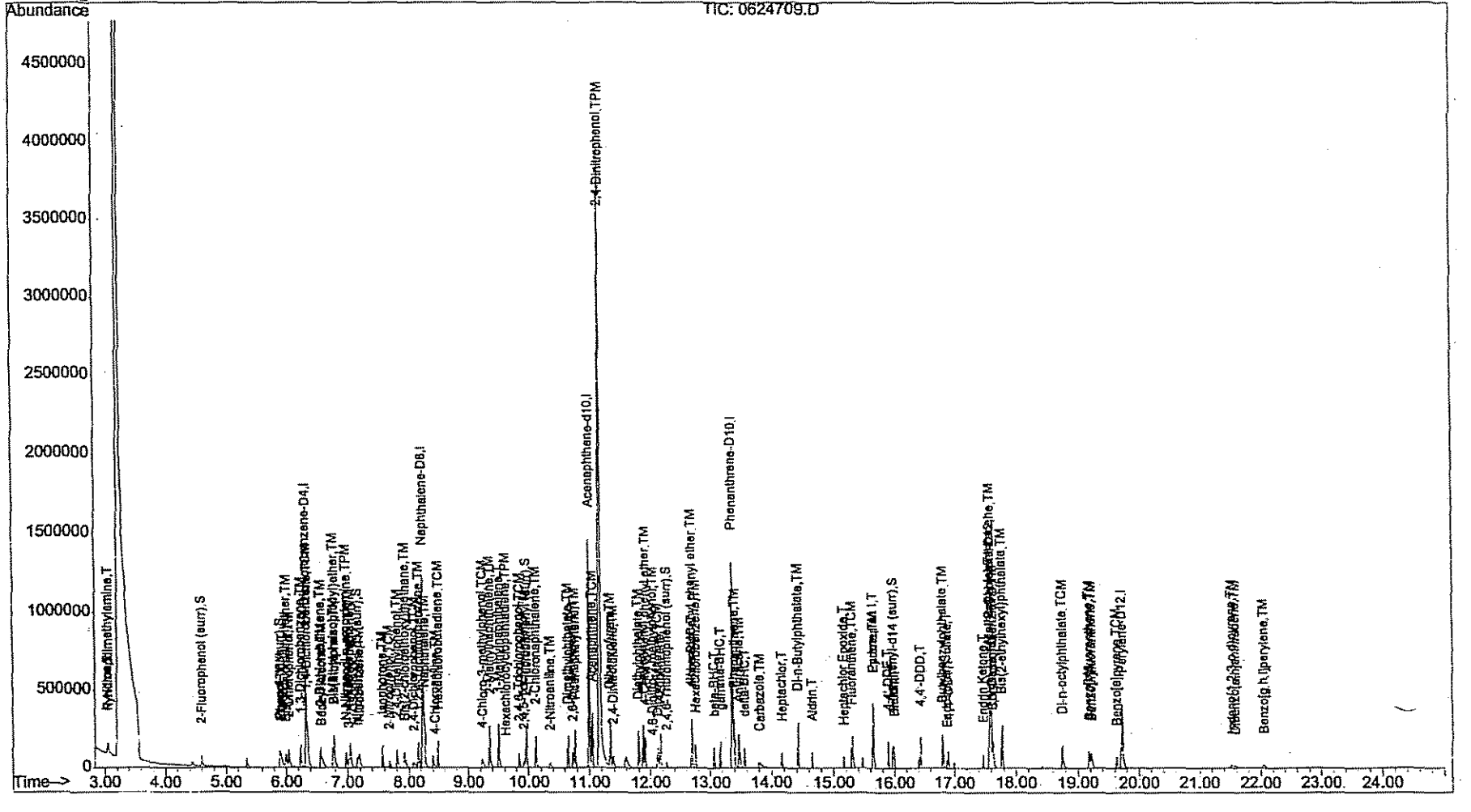
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Heptachlor	14.17	100	24190	1.10	ug/mL	86
72)	Aldrin	14.65	66	25617	1.21	ug/mL#	83
73)	Heptachlor Epoxide	15.17	353	8863	0.94	ug/mL	88
74)	Endosulfan I	15.64	195	5239	0.96	ug/mL#	40
75)	4,4'-DDE	15.89	246	37157	1.05	ug/mL	93
76)	Dieldrin	15.99	79	34002	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

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

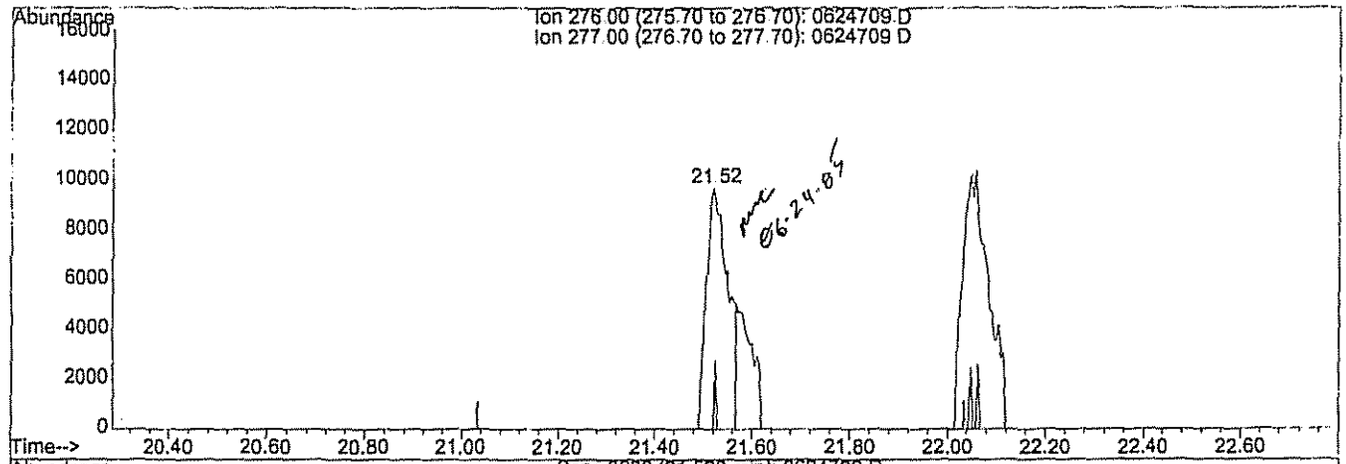
Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

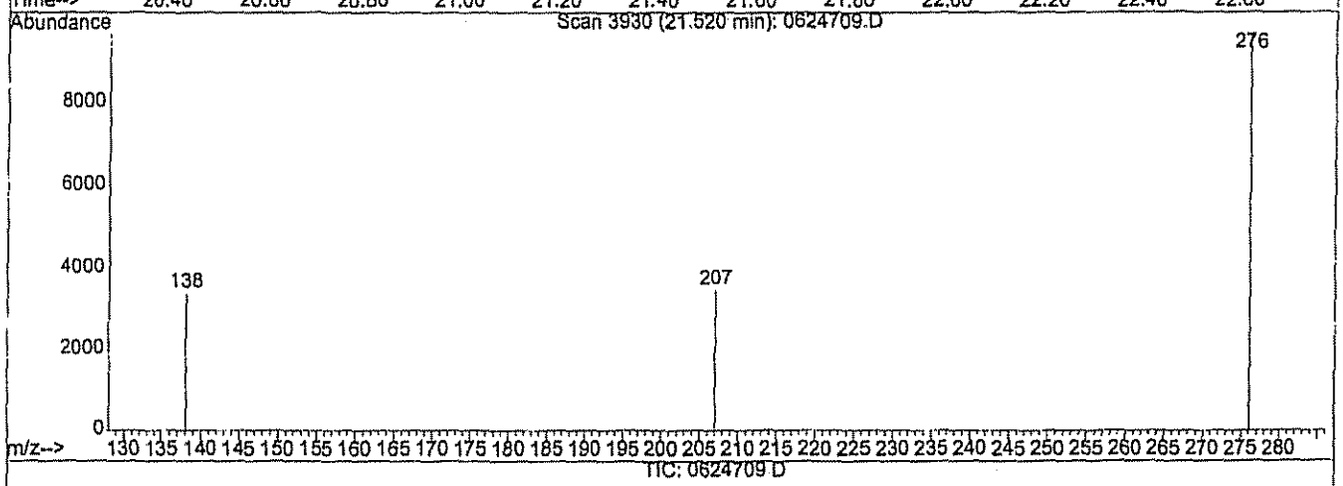


Quantitation Report (Qedit)

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





(98) Indeno(1,2,3-c,d)pyrene (TM)

21.52min 0.66ug/mL m

response 29959

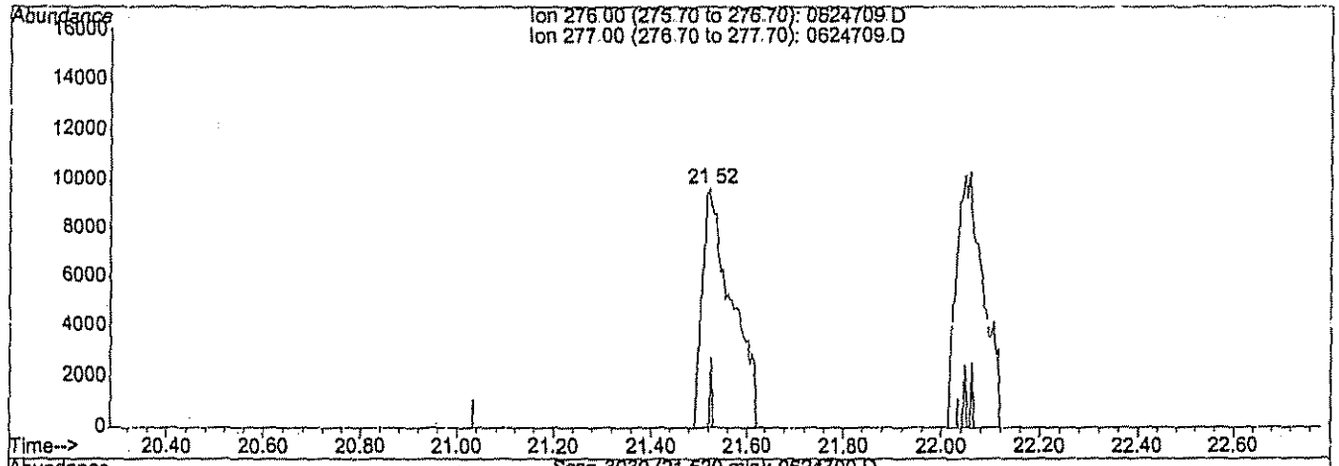
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

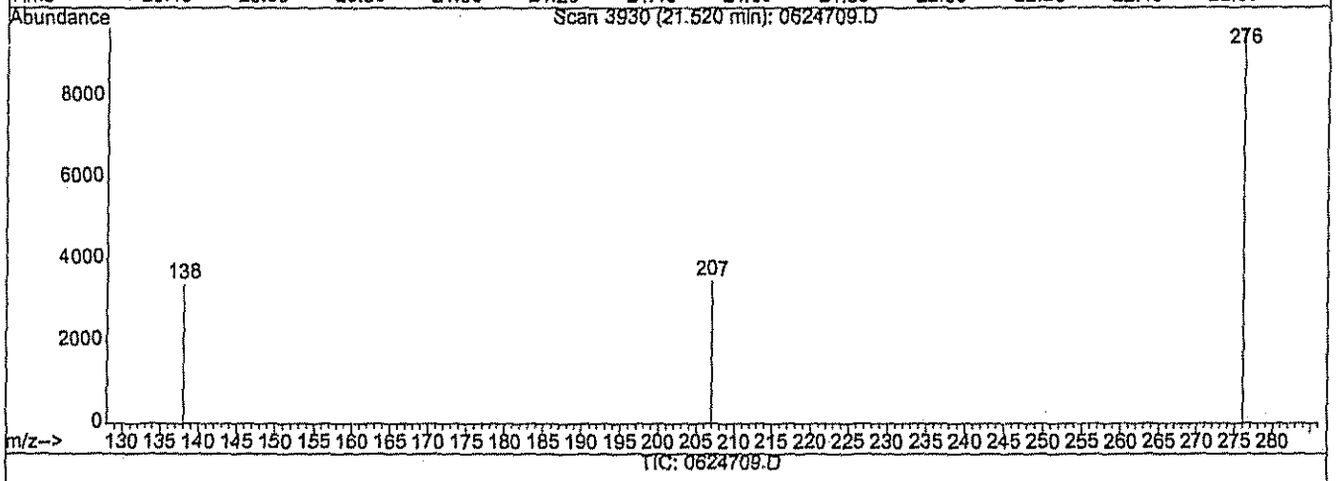
0624709.D 8270.M Fri Jun 24 17:06:50 2005 ENV

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

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	AvgRF	%RSD
Concentration (ppb)	48.0	24.0	12.0	8.0	6.0	4.0	2.0	1.0		
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

mr 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

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

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

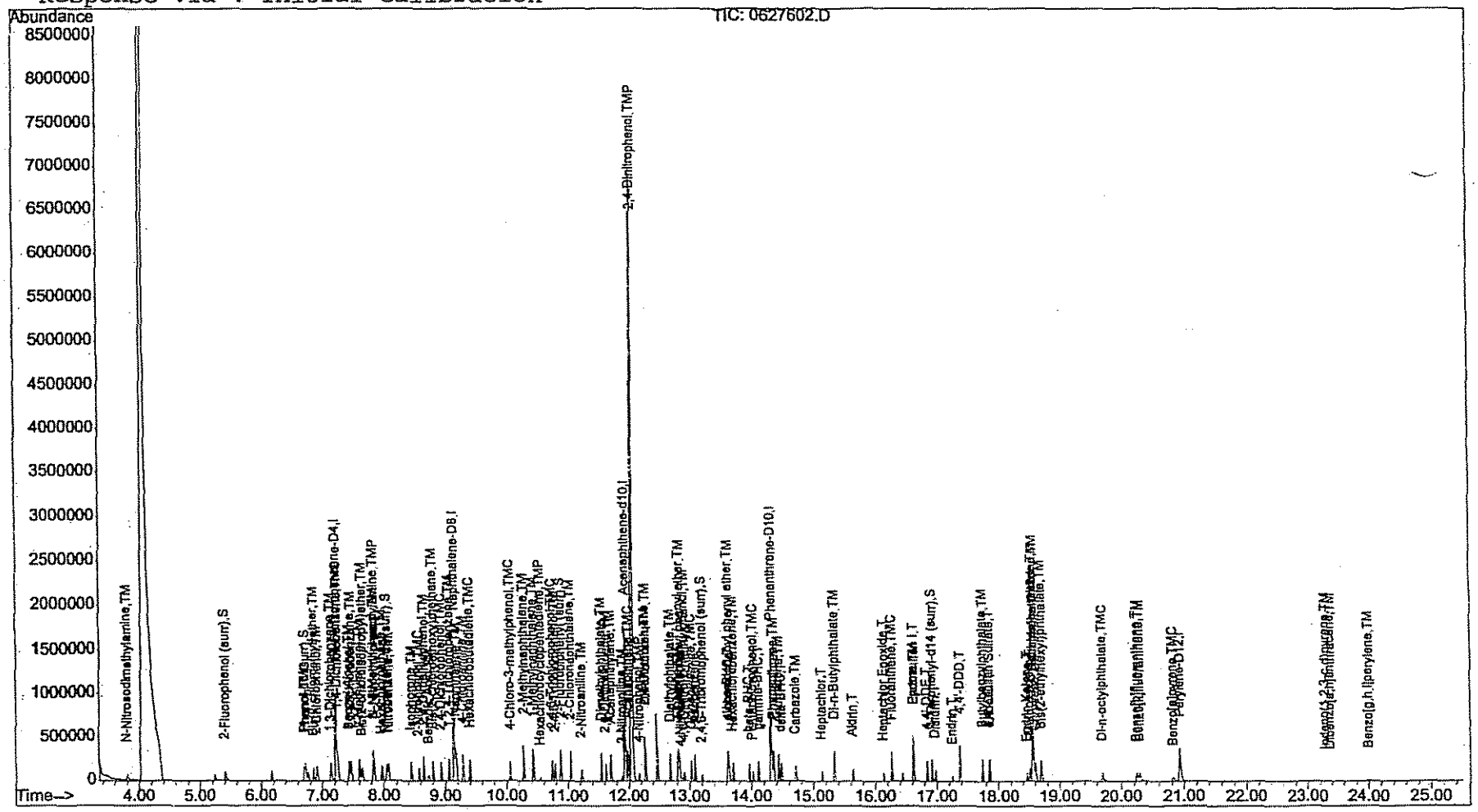
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Heptachlor	15.13	100	27211	0.93	ug/mL	97
72)	Aldrin	15.62	66	34574	1.11	ug/mL	99
73)	Heptachlor Epoxide	16.13	353	9740	1.04	ug/mL	96
74)	Endosulfan I	16.62	195	7561	1.05	ug/mL#	50
75)	4,4'-DDE	16.84	246	48085	1.16	ug/mL	99
76)	Dieldrin	16.97	79	46489	1.21	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

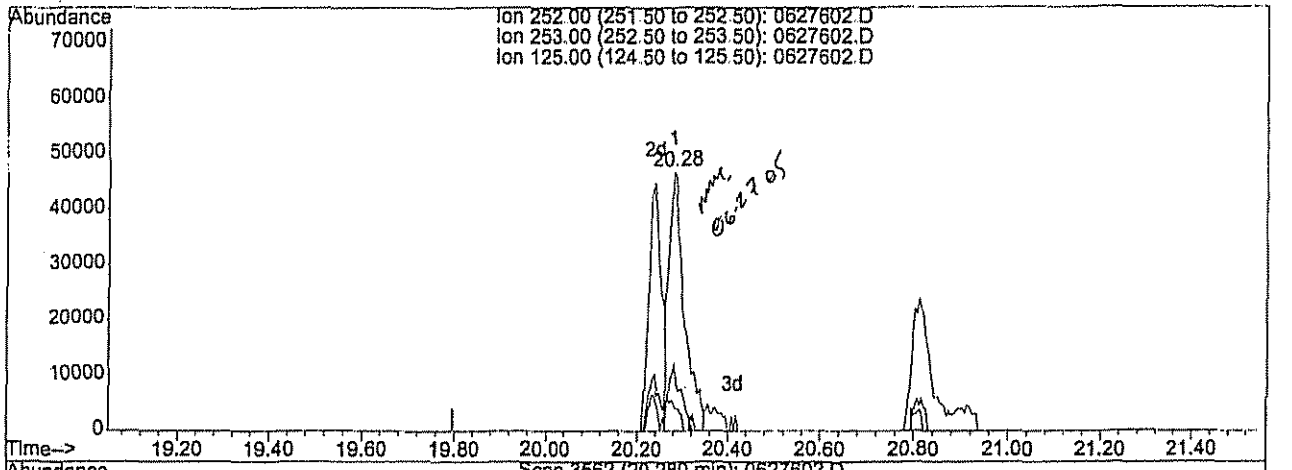
Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration

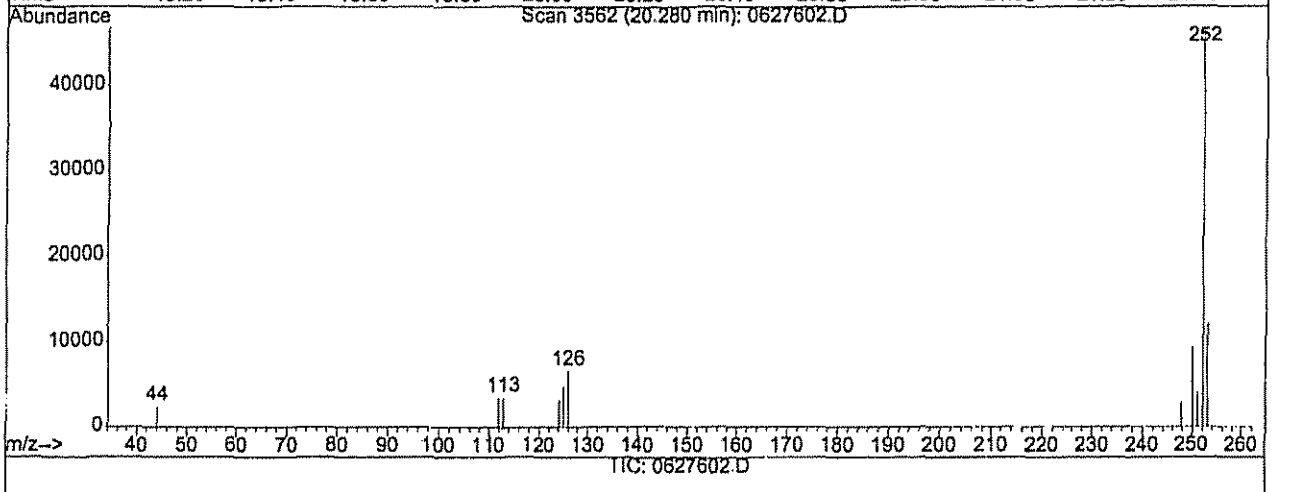


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627602.D 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





(96) Benzo[k]fluoranthene (TM)

20.28min 0.95ug/mL m

response 109968

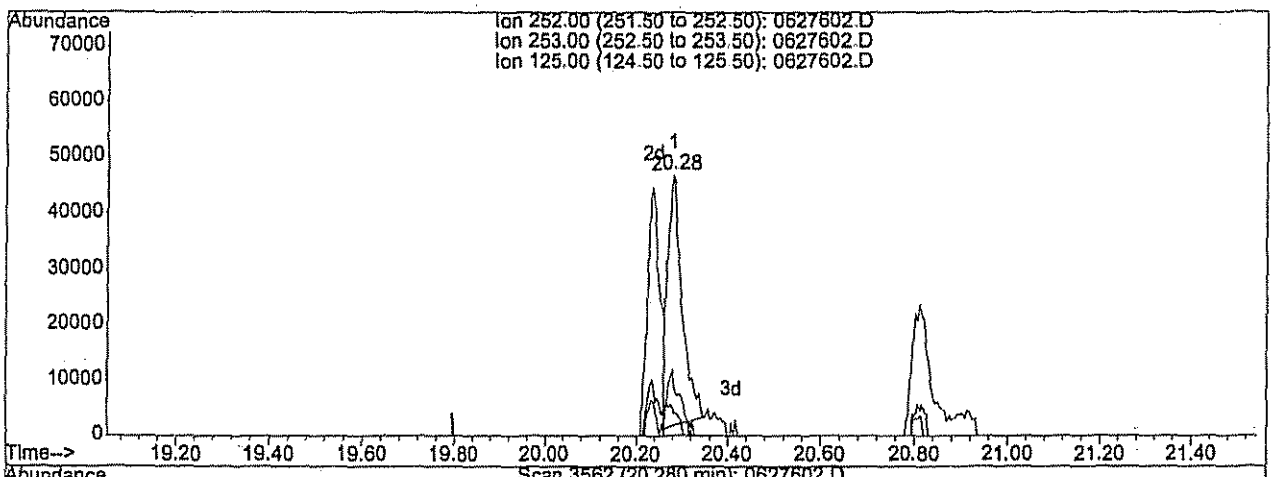
Ion	Exp%	Act%
252.00	100	100
253.00	20.80	25.89#
125.00	9.40	10.30
0.00	0.00	0.00

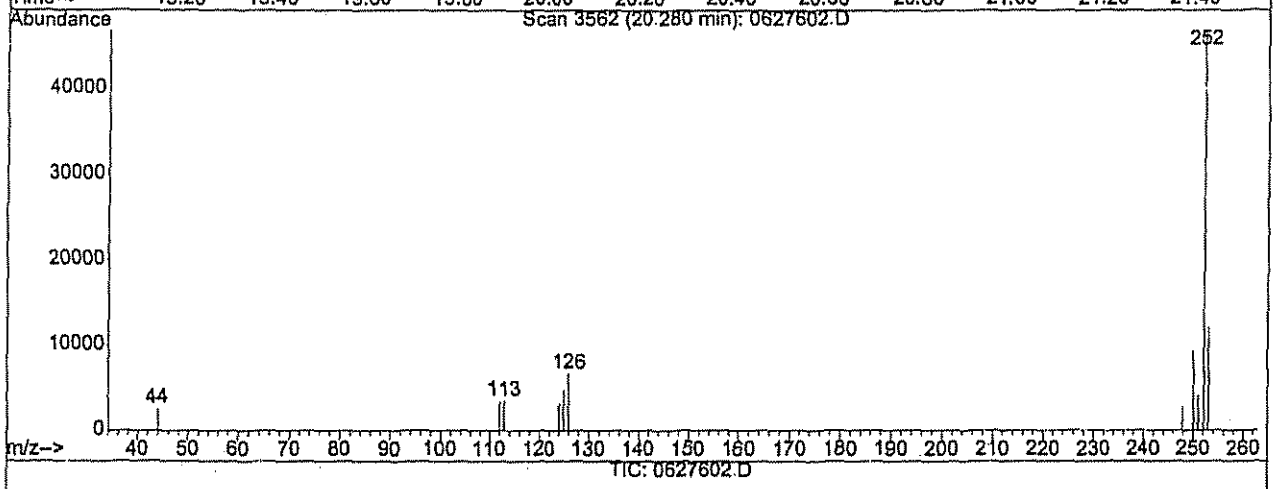
0627602.D 8270.M Tue Jun 28 11:02:20 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627602.D 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 11:01 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





(96) Benzo[k]fluoranthene (TM)

20.28min 0.84ug/mL

response 97924

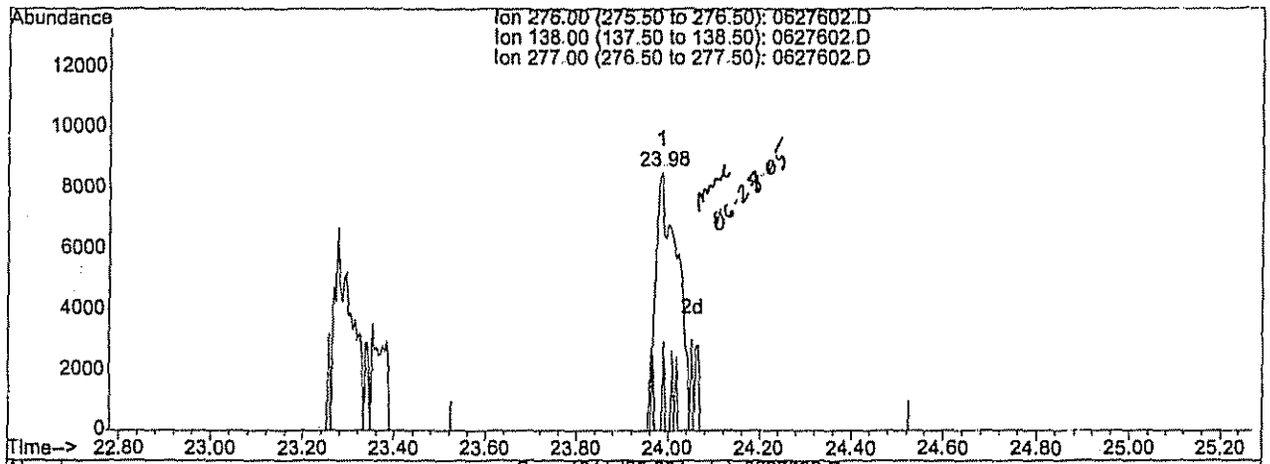
Ion	Exp%	Act%
252.00	100	100
253.00	20.80	27.95#
125.00	9.40	11.12
0.00	0.00	0.00

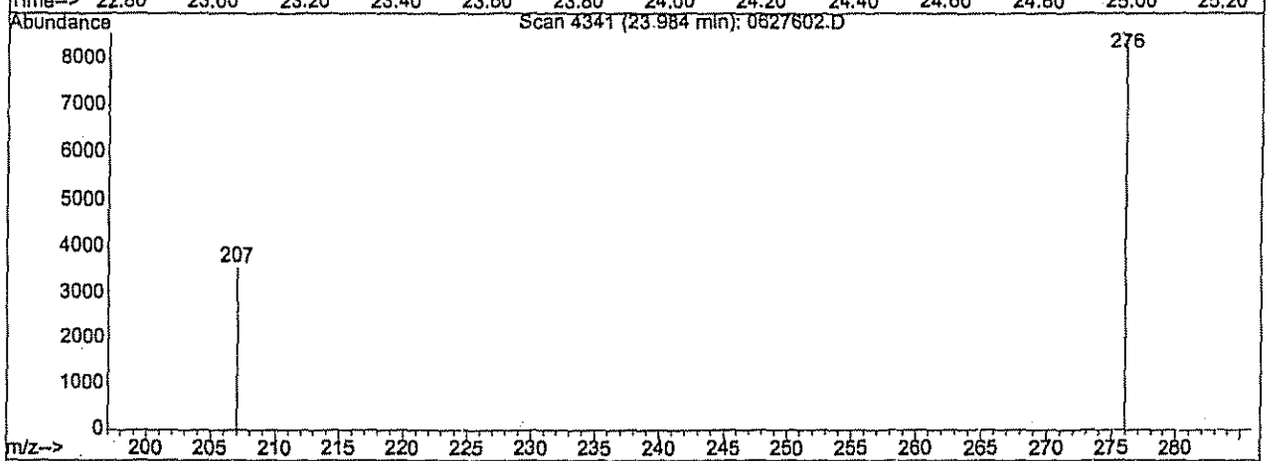
0627602.D 8270.M Tue Jun 28 11:02:15 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627602.D 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 0.50ug/mL m

response 31005

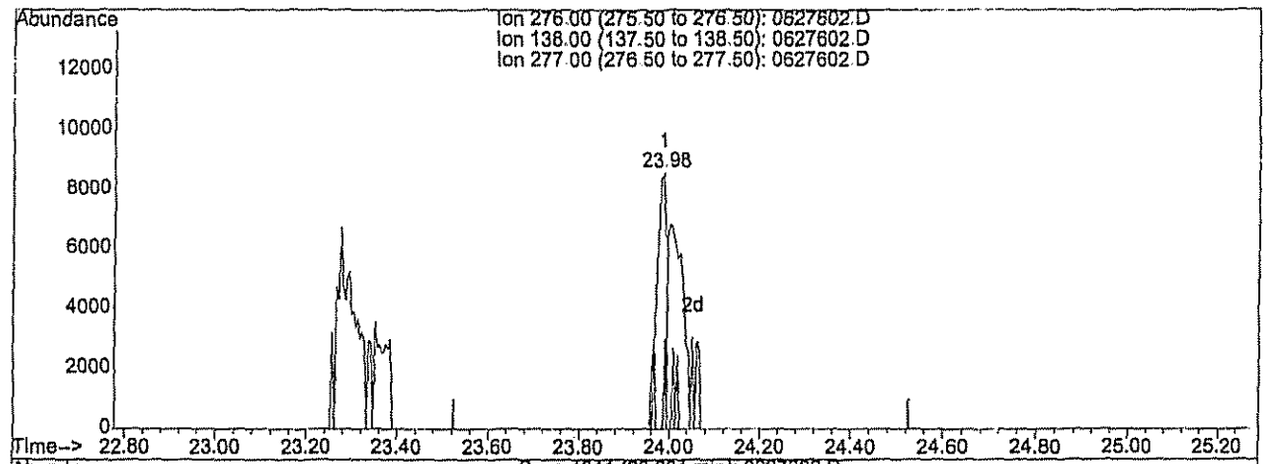
Ion	Exp%	Act%
276.00	100	100
138.00	24.60	0.00#
277.00	24.50	0.00#
0.00	0.00	0.00

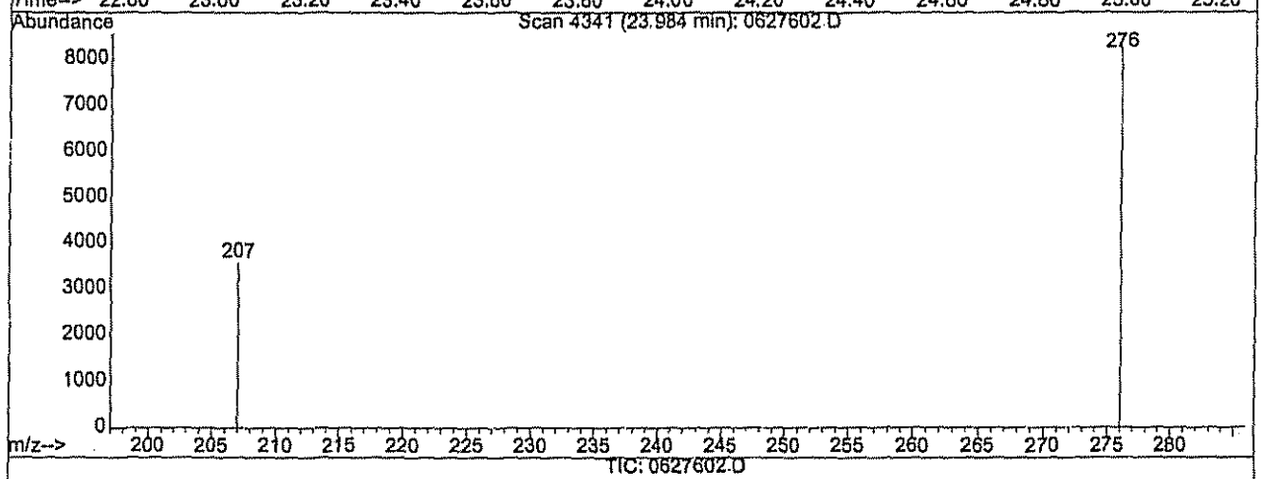
0627602.D 8270.M Tue Jun 28 11:02:40 2005 ENV

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

mwl 06-28-04

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

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

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

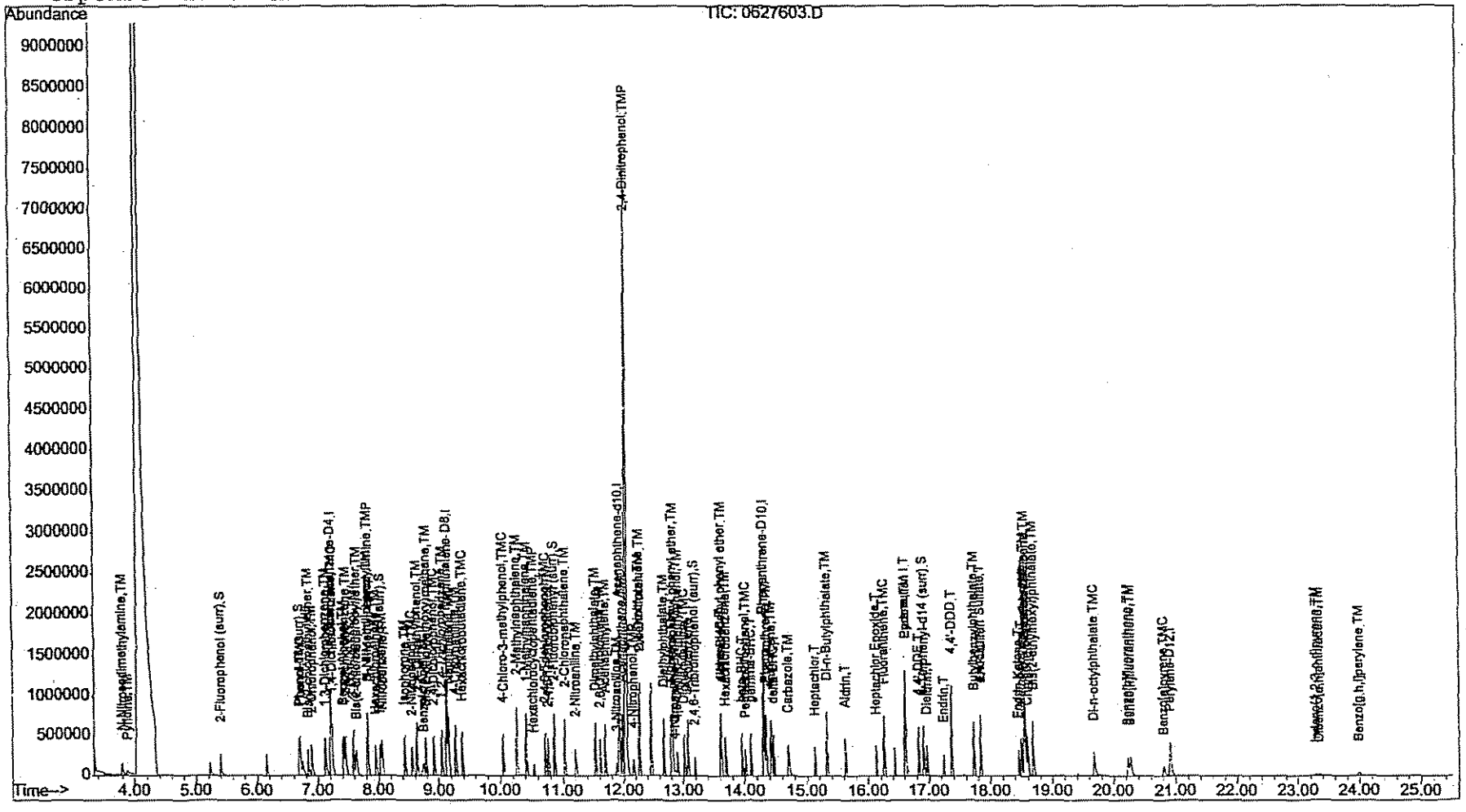
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.13	100	65159	2.05 ug/mL	100
72)	Aldrin	15.62	66	75787	2.11 ug/mL	97
73)	Heptachlor Epoxide	16.13	353	23009	2.18 ug/mL	91
74)	Endosulfan I	16.62	195	19818	2.44 ug/mL#	71
75)	4,4'-DDE	16.84	246	107024	2.20 ug/mL	99
76)	Dieldrin	16.96	79	97896	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

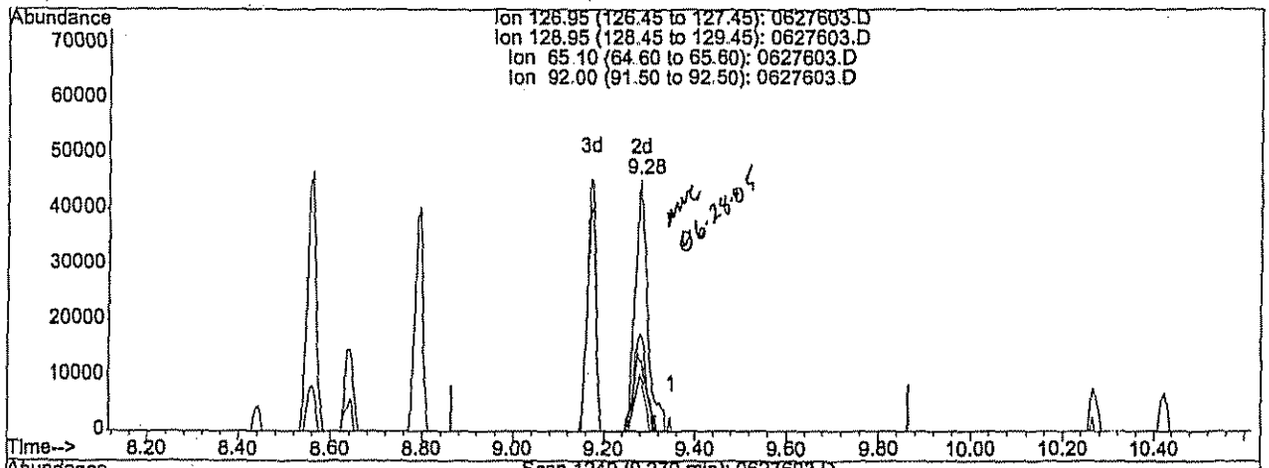
Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration

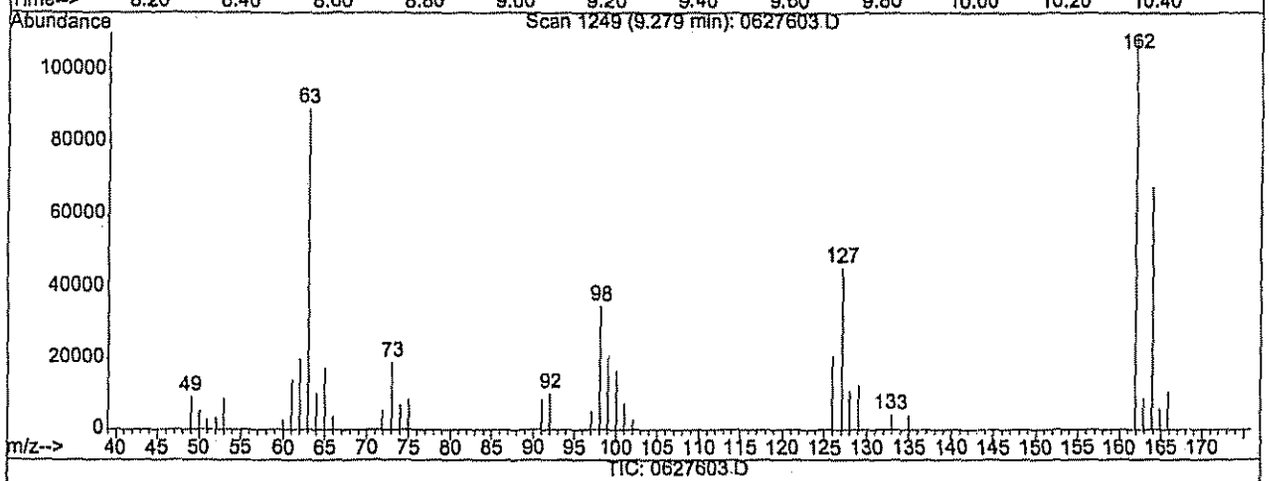


Quantitation Report (Qedit)

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





TIC: 0627603.D

(28) 4-Chloroaniline (TM)

9.28min 2.53ug/mL m

response 88865

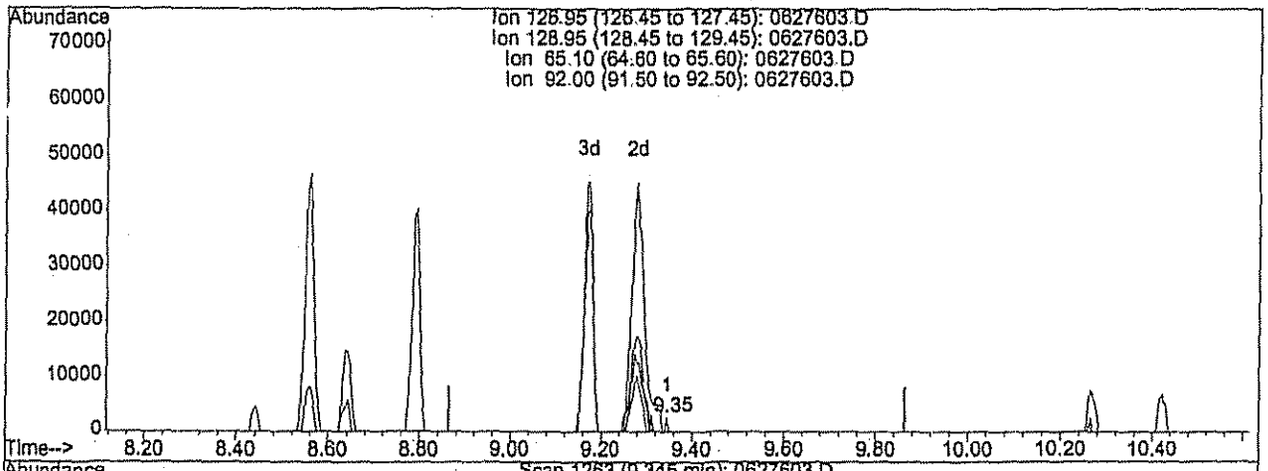
Ion	Exp%	Act%
126.95	100	100
128.95	31.50	27.63
65.10	35.90	38.54
92.00	20.00	22.73

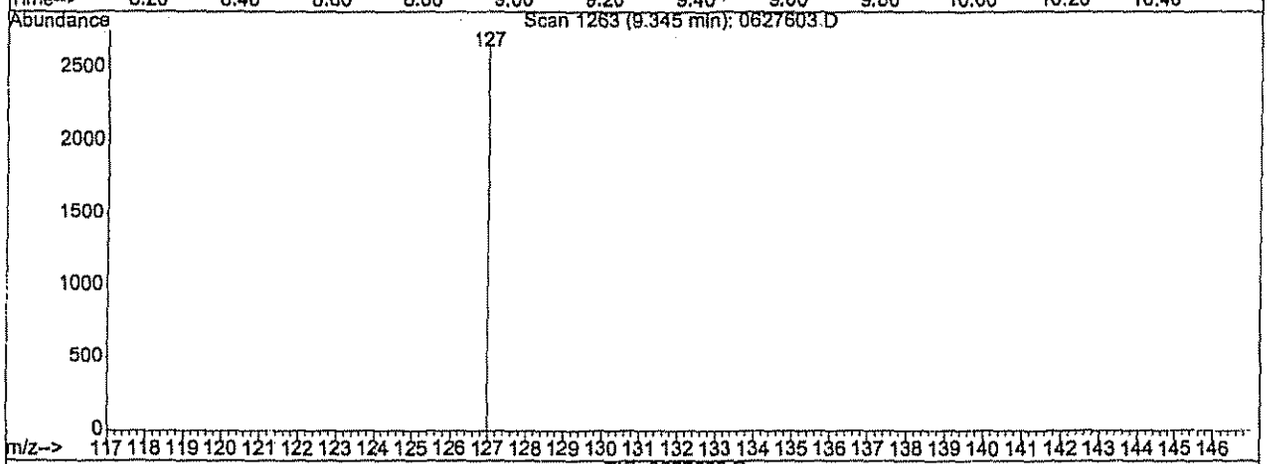
0627603.D 8270.M Tue Jun 28 11:03:39 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627603.D 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

(28) 4-Chloroaniline (TM)

9.35min 0.02ug/mL

response 756

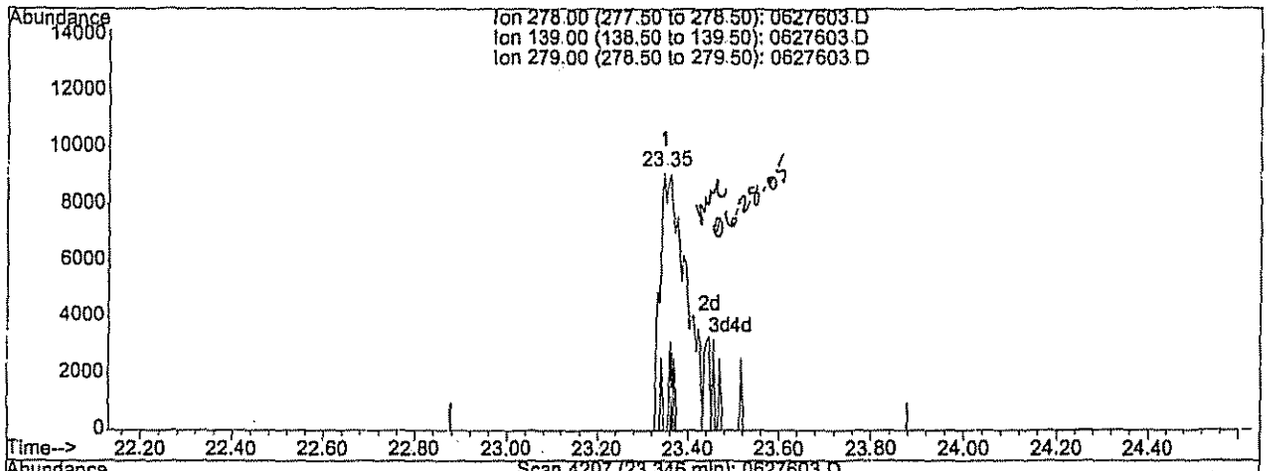
Ion	Exp%	Act%
126.95	100	100
128.95	31.50	0.00#
65.10	35.90	0.00#
92.00	20.00	0.00#

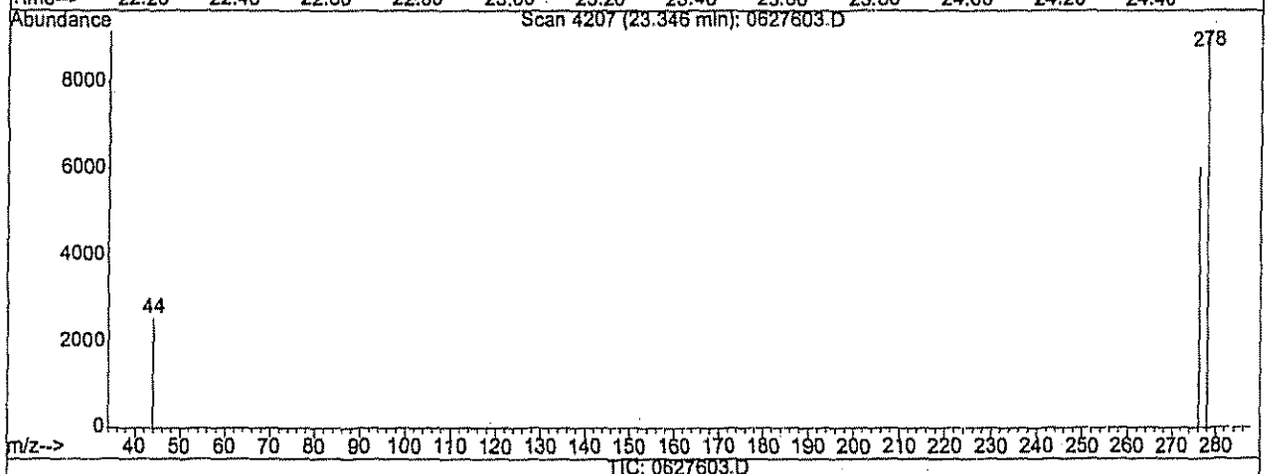
0627603.D 8270.M Tue Jun 28 11:03:35 2005 ENV

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

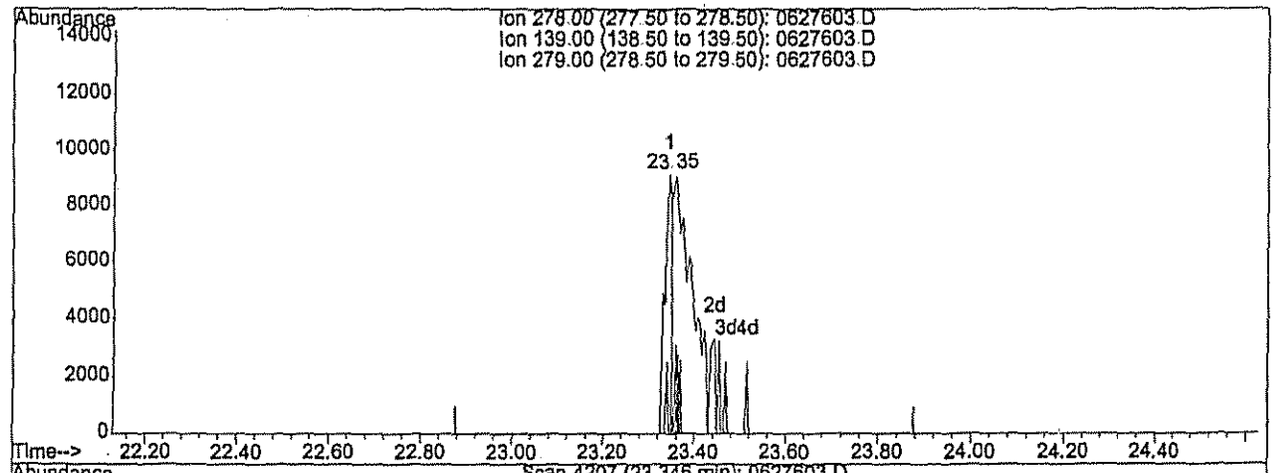
Ion	Exp%	Act%
278.00	100	100
139.00	19.80	0.00#
279.00	22.30	0.00#
0.00	0.00	0.00

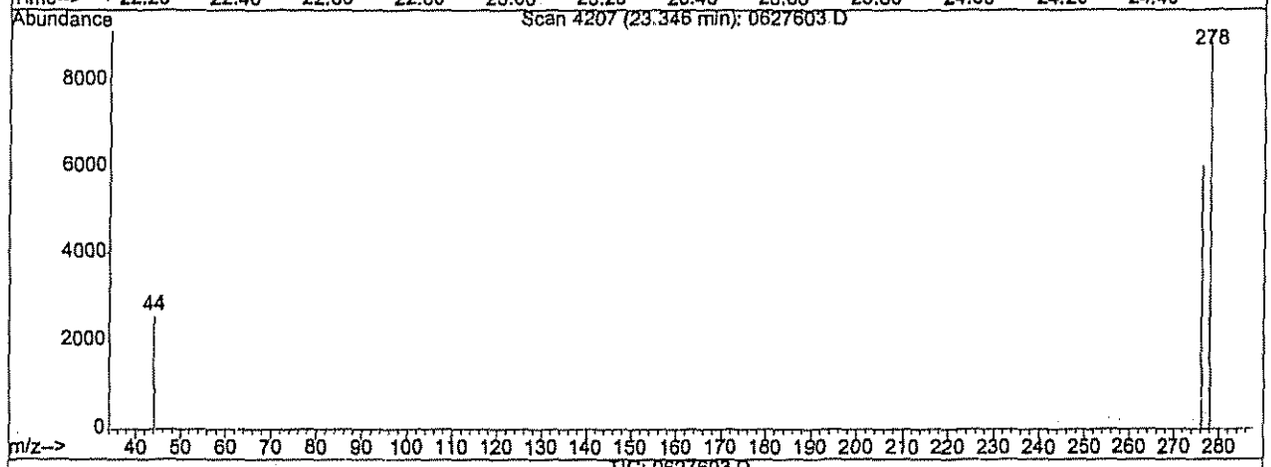
0627603.D 8270.M Tue Jun 28 11:04:32 2005 ENV

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

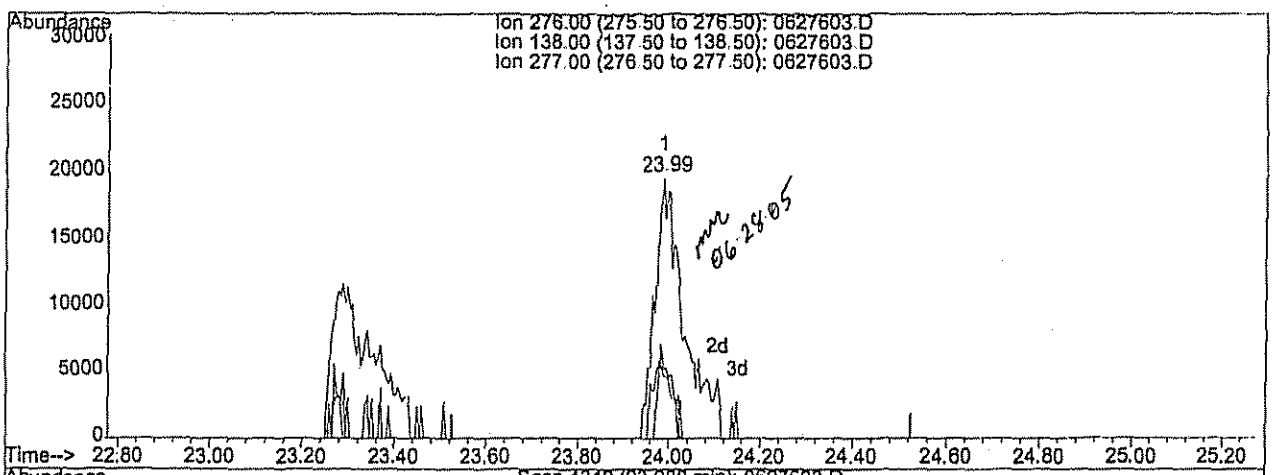
Ion	Exp%	Act%
278.00	100	100
139.00	19.80	0.00#
279.00	22.30	0.00#
0.00	0.00	0.00

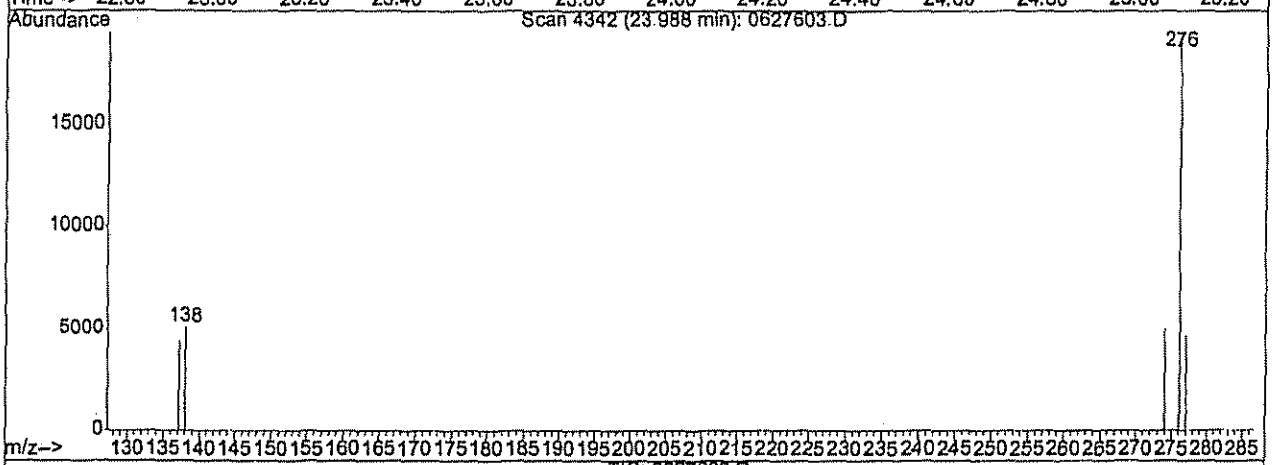
0627603.D 8270.M Tue Jun 28 11:04:26 2005 ENV

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

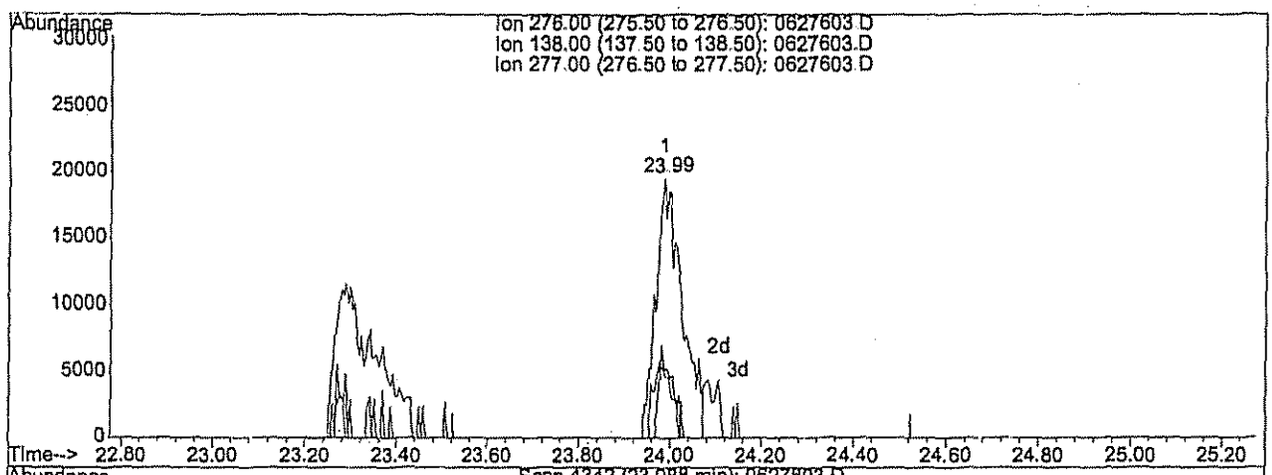
Ion	Exp%	Act%
276.00	100	100
138.00	24.60	26.13
277.00	24.50	24.31
0.00	0.00	0.00

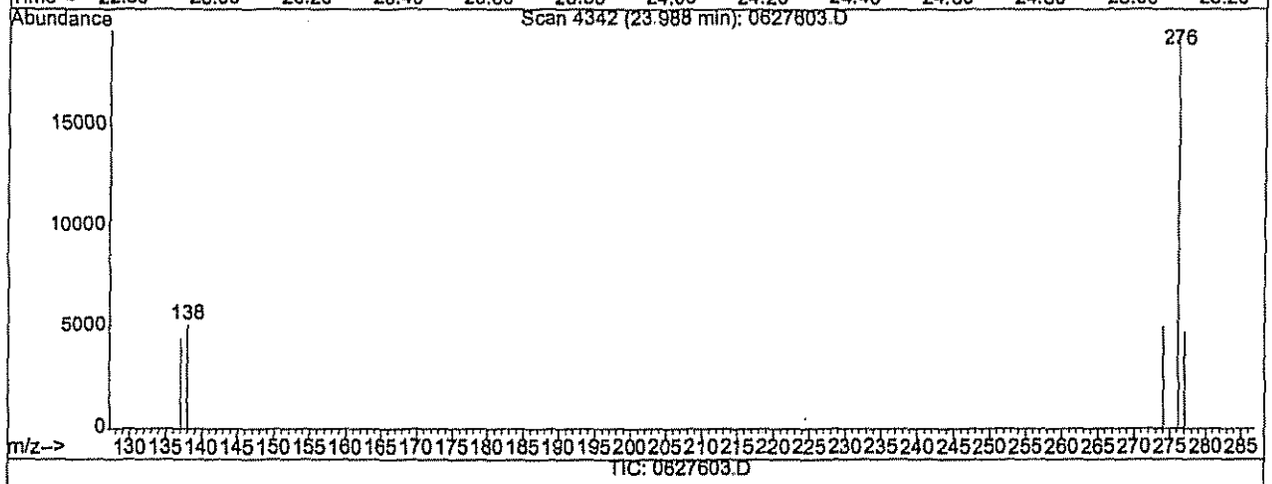
0627603.D 8270.M Tue Jun 28 11:04:39 2005 ENV

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

MMC 06-28-04

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

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

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

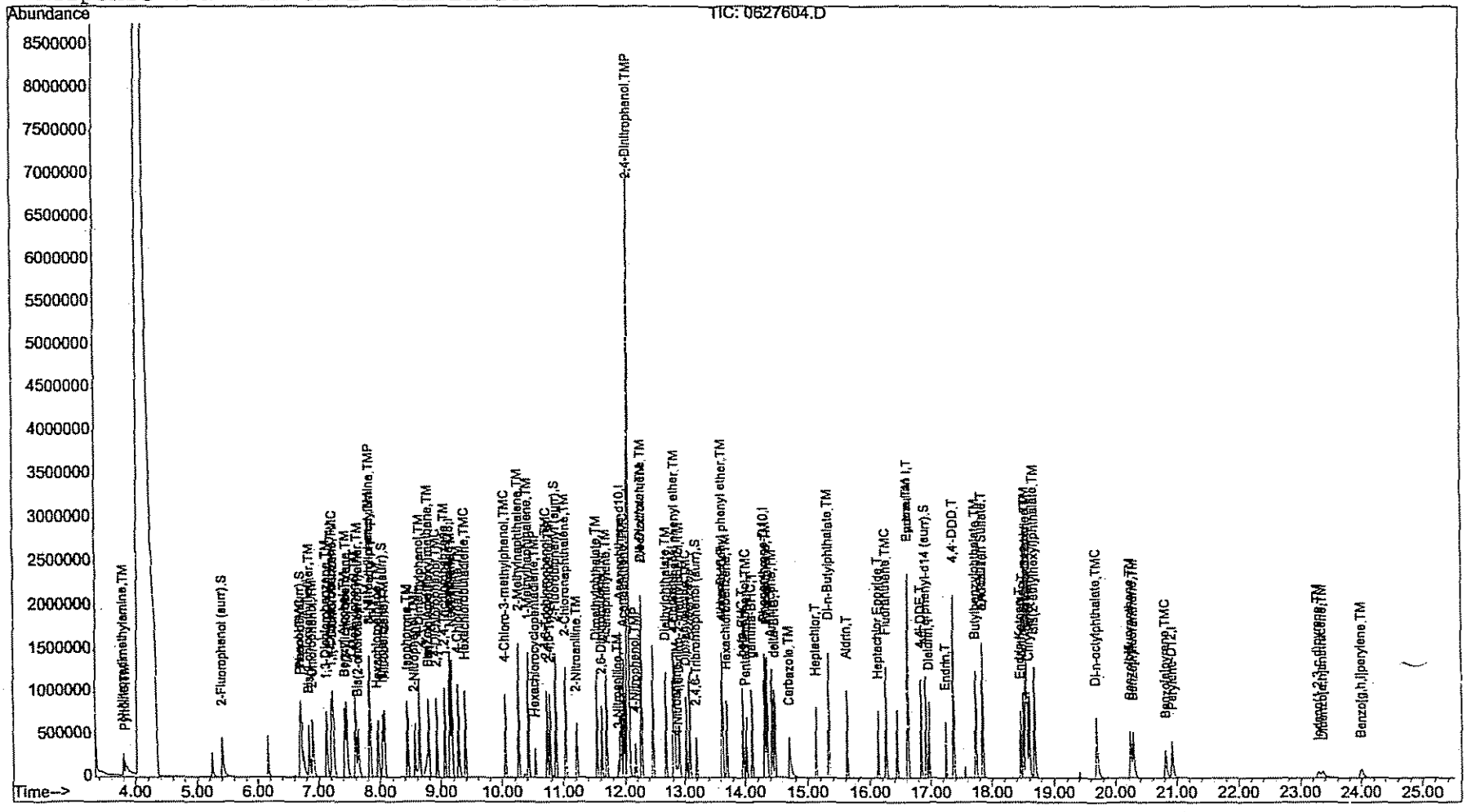
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Heptachlor	15.13	100	116760	4.03	ug/mL	100
72)	Aldrin	15.62	66	137167	4.16	ug/mL	96
73)	Heptachlor Epoxide	16.13	353	40941	4.19	ug/mL	99
74)	Endosulfan I	16.62	195	37135	4.79	ug/mL	95
75)	4,4'-DDE	16.84	246	193008	4.28	ug/mL	100
76)	Dieldrin	16.97	79	179522	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

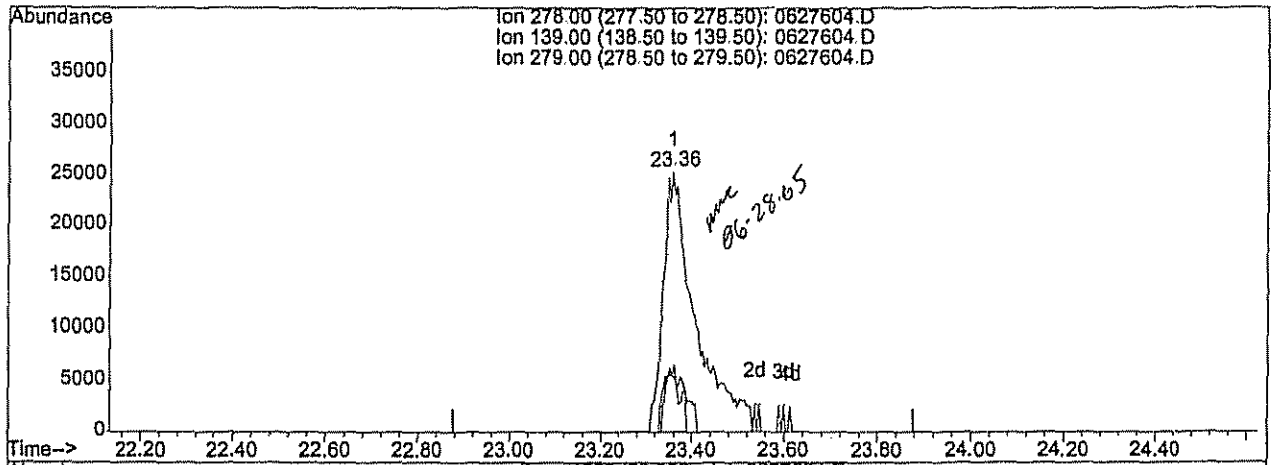
Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration

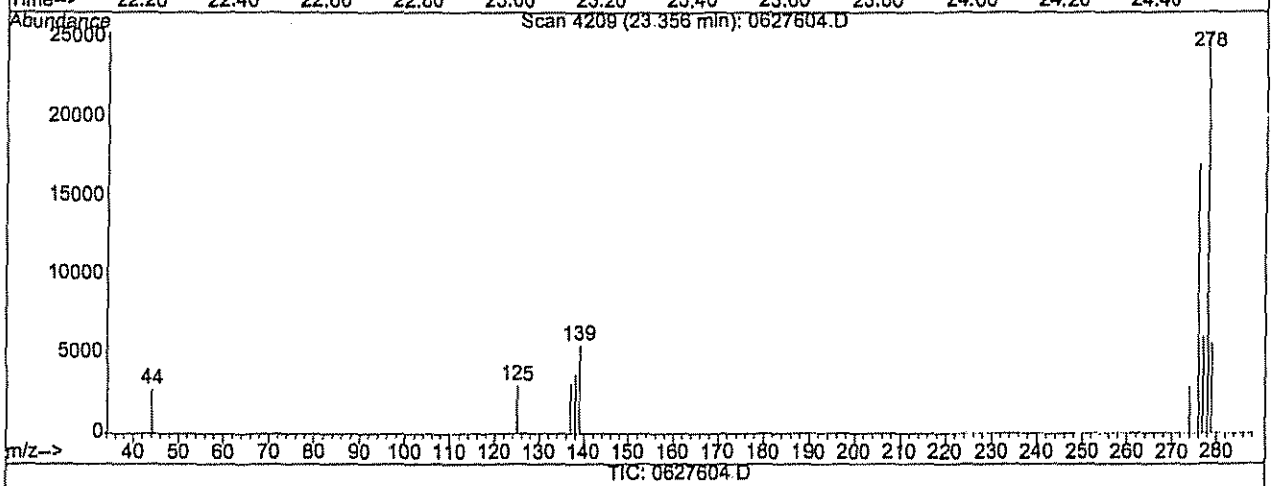


Quantitation Report (Qedit)

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





(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

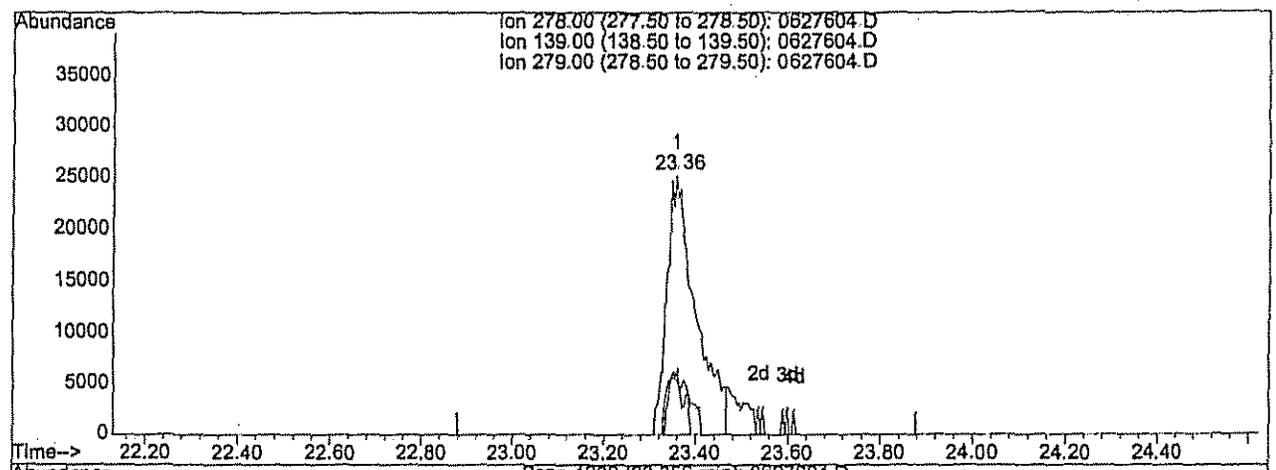
0627604.D 8270.M Tue Jun 28 11:06:25 2005 ENV

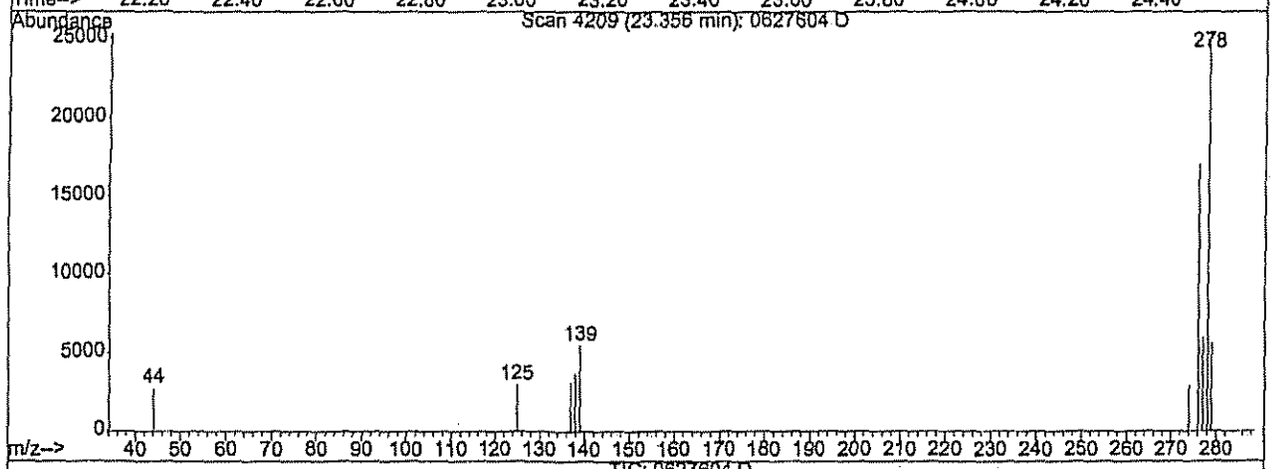
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627604.D
Acq On : 27 Jun 2005 6:11 pm
Sample : SVCAL4
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jun 28 11:05 2005

Vial: 7
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 11:04:54 2005
Response via : Multiple Level Calibration





(99) Dibenzo[a,h]anthracene (TM)

23.36min 3.14ug/mL

response 111549

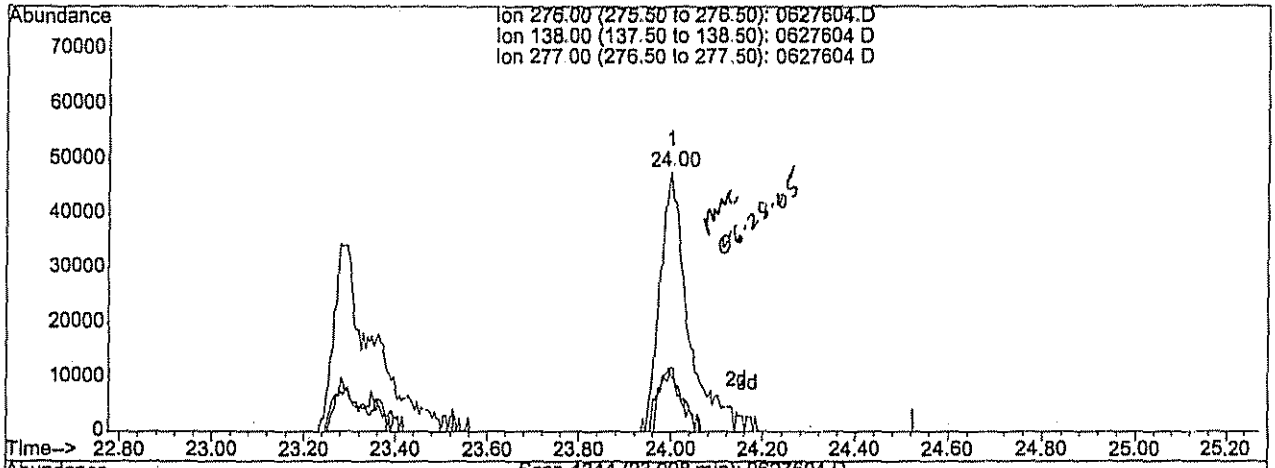
Ion	Exp%	Act%
278.00	100	100
139.00	19.80	21.73
279.00	22.30	22.15
0.00	0.00	0.00

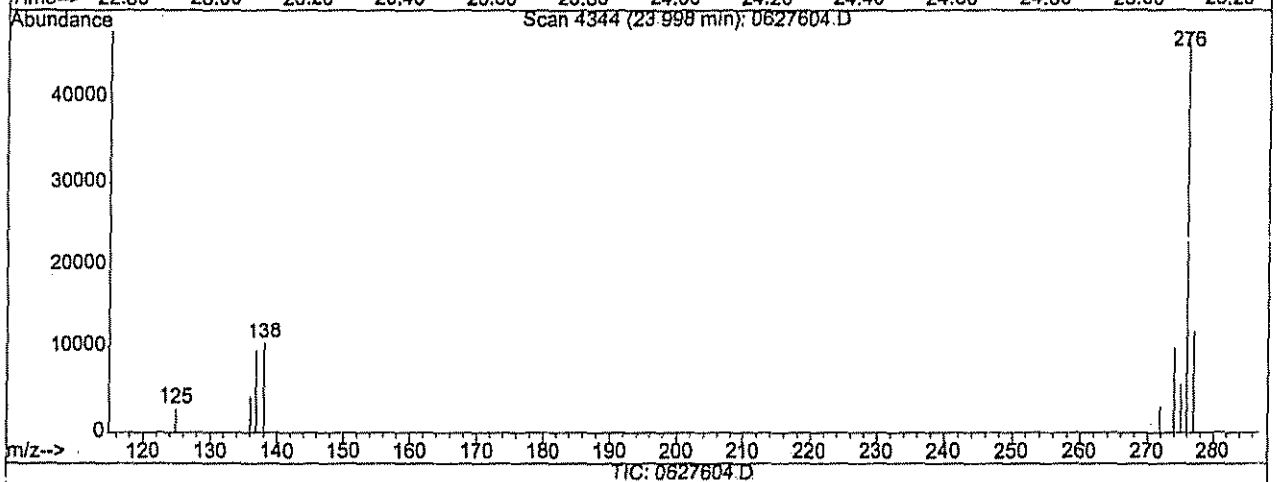
0627604.D 8270.M Tue Jun 28 11:06:22 2005 ENV

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

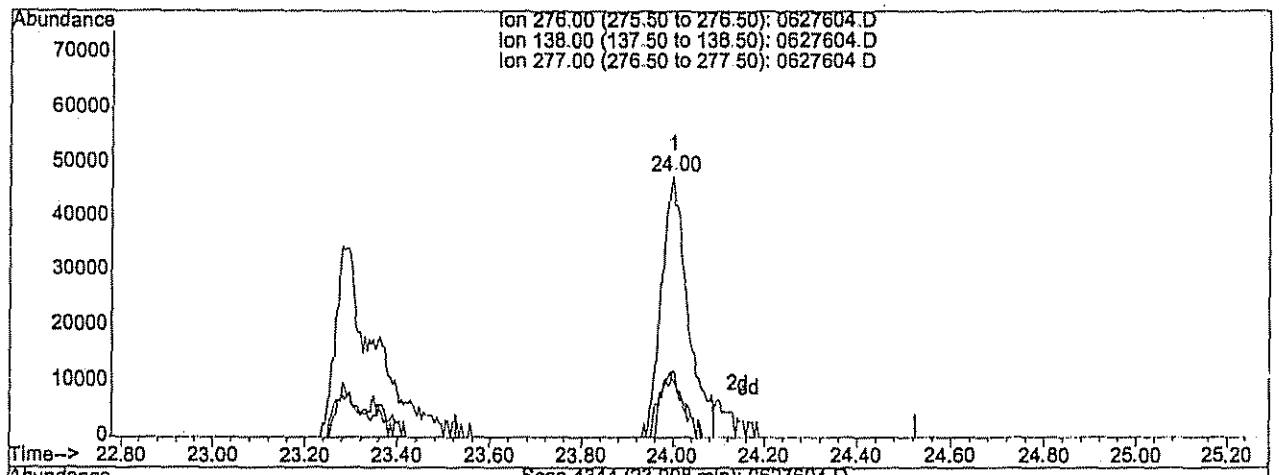
Ion	Exp%	Act%
276.00	100	100
138.00	24.60	21.93
277.00	24.50	25.08
0.00	0.00	0.00

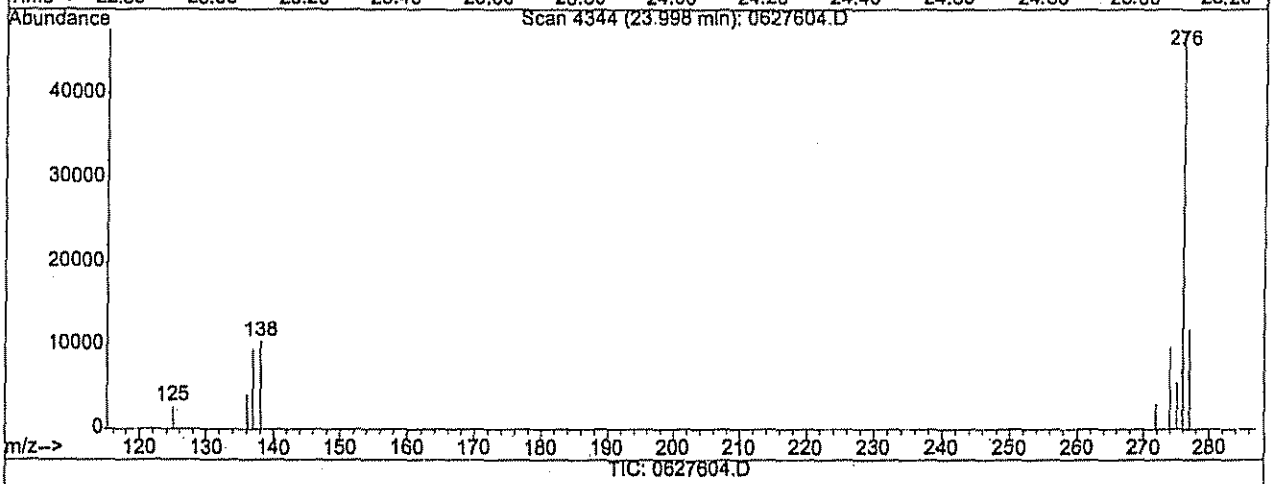
0627604.D 8270.M Tue Jun 28 11:06:32 2005 ENV

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

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

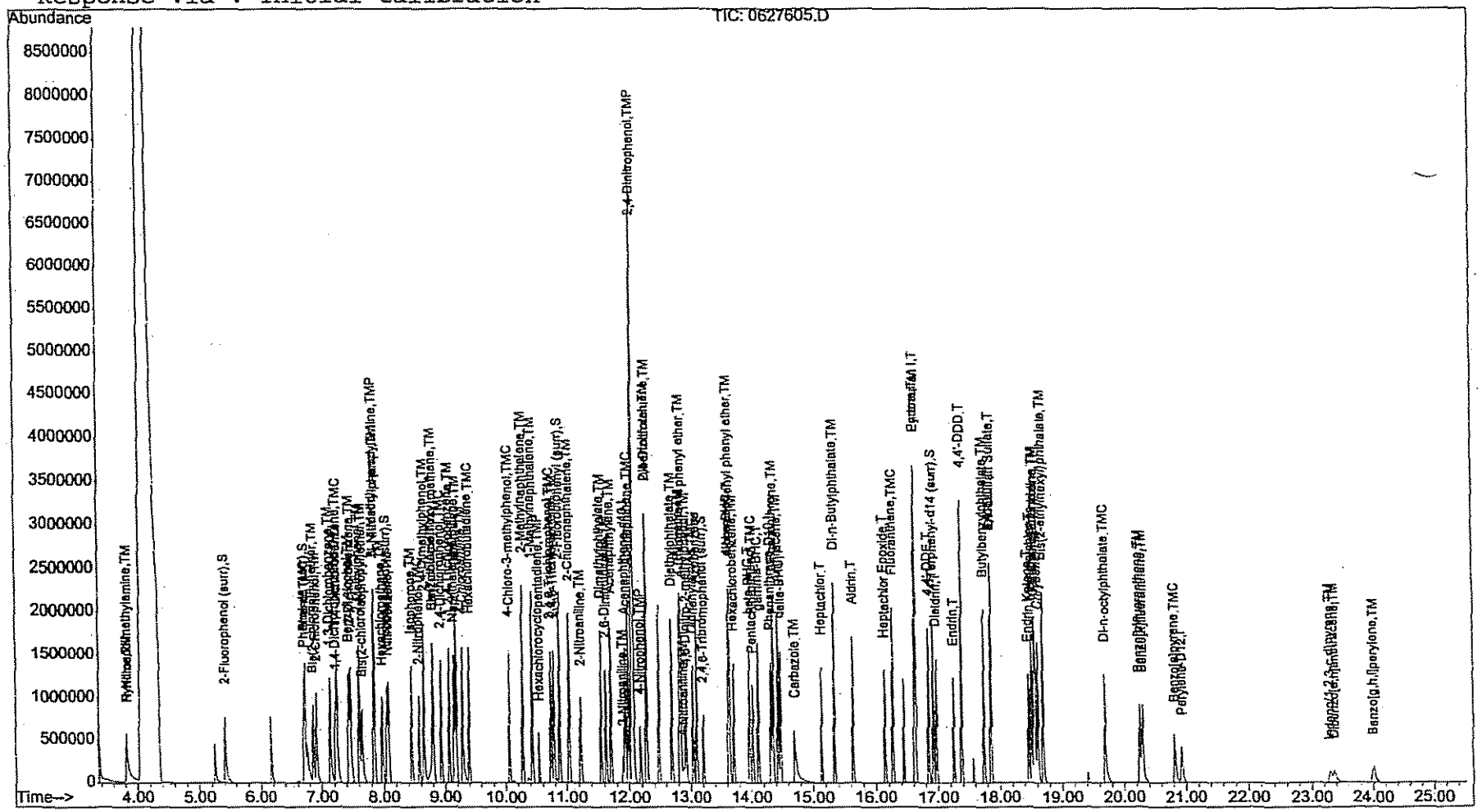
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.13	100	181145	6.26 ug/mL	100
72)	Aldrin	15.63	66	215875	6.51 ug/mL	99
73)	Heptachlor Epoxide	16.13	353	64764	6.59 ug/mL	99
74)	Endosulfan I	16.62	195	53063	6.60 ug/mL	95
75)	4,4'-DDE	16.84	246	296942	6.50 ug/mL	98
76)	Dieldrin	16.97	79	266844	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

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

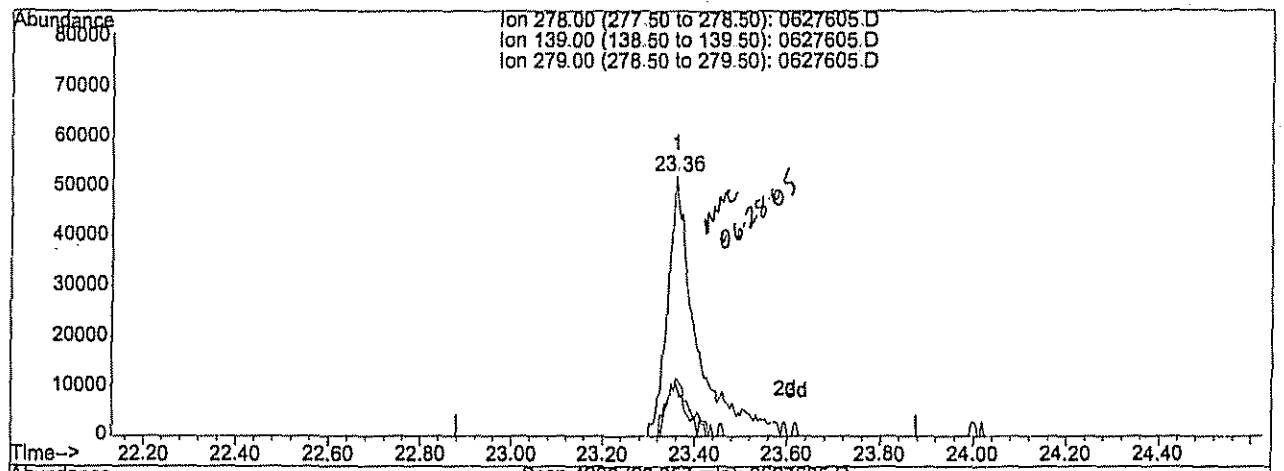
Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration



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

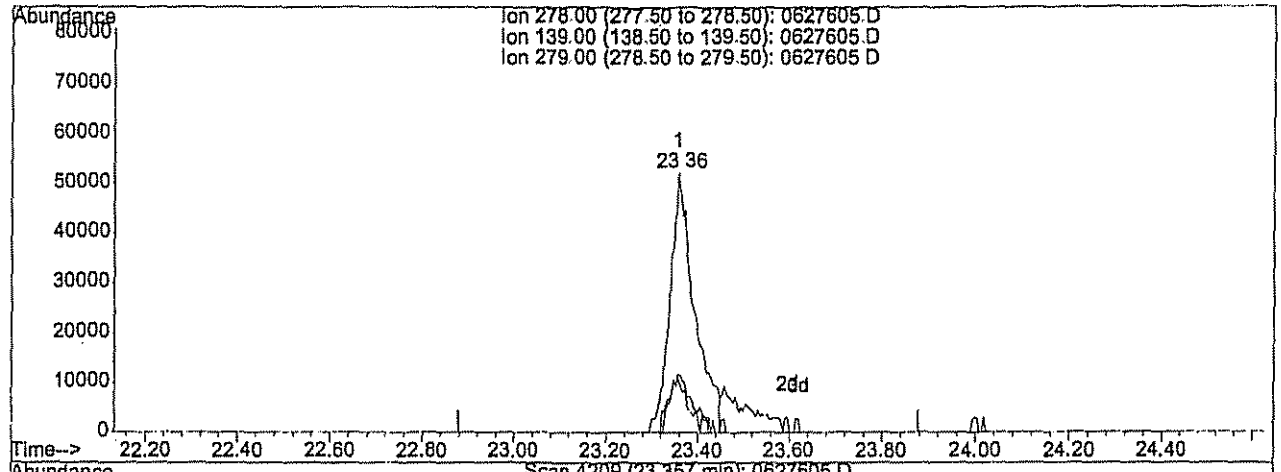
Ion	Exp%	Act%
278.00	100	100
139.00	19.80	21.07
279.00	22.30	22.69
0.00	0.00	0.00

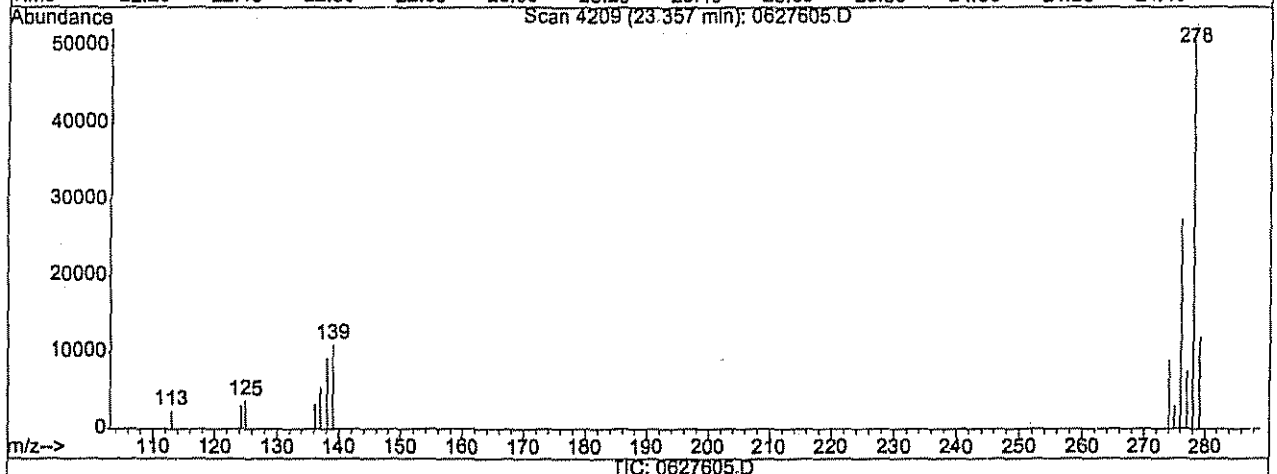
0627605.D 8270.M Tue Jun 28 11:08:06 2005 ENV

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





TIC: 0627605.D

(99) Dibenzo[a,h]anthracene (TM)

23.36min 5.55ug/mL

response 193214

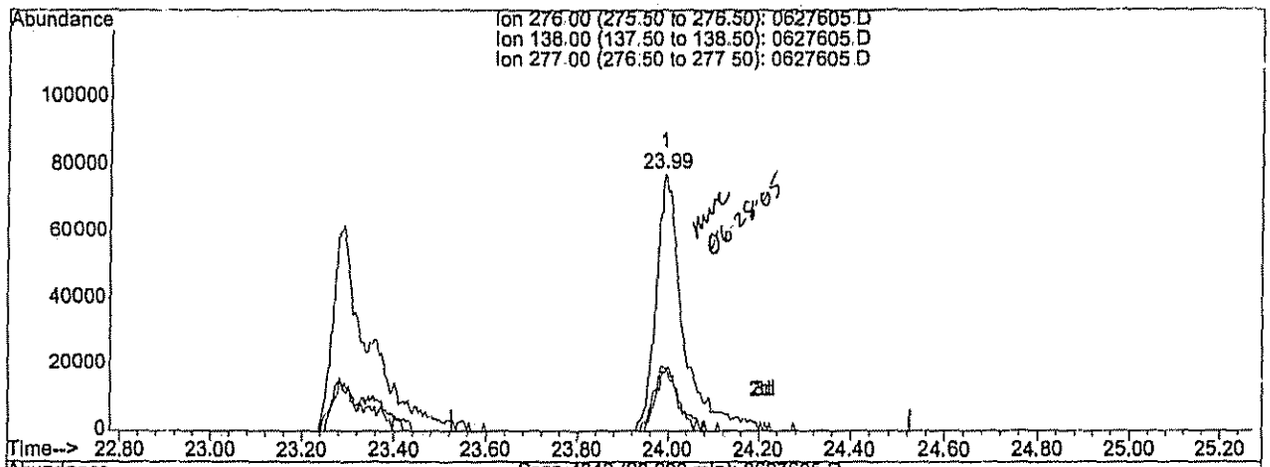
Ion	Exp%	Act%
278.00	100	100
139.00	19.80	21.07
279.00	22.30	22.69
0.00	0.00	0.00

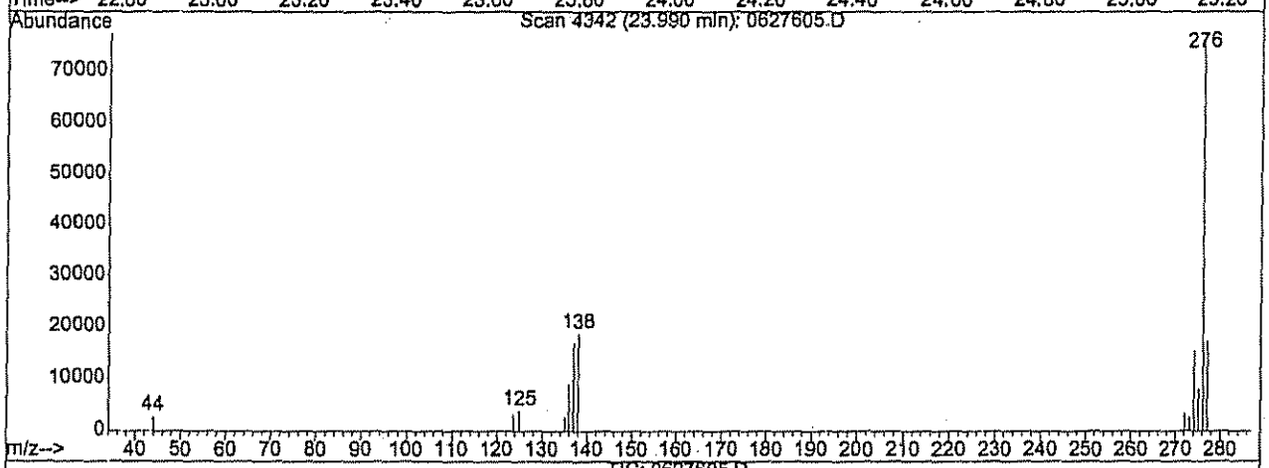
0627605.D 8270.M Tue Jun 28 11:08:02 2005 ENV

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





(100) Benzo[g,h,i]perylene (TM)

23.99min 6.33ug/mL m

response 329489

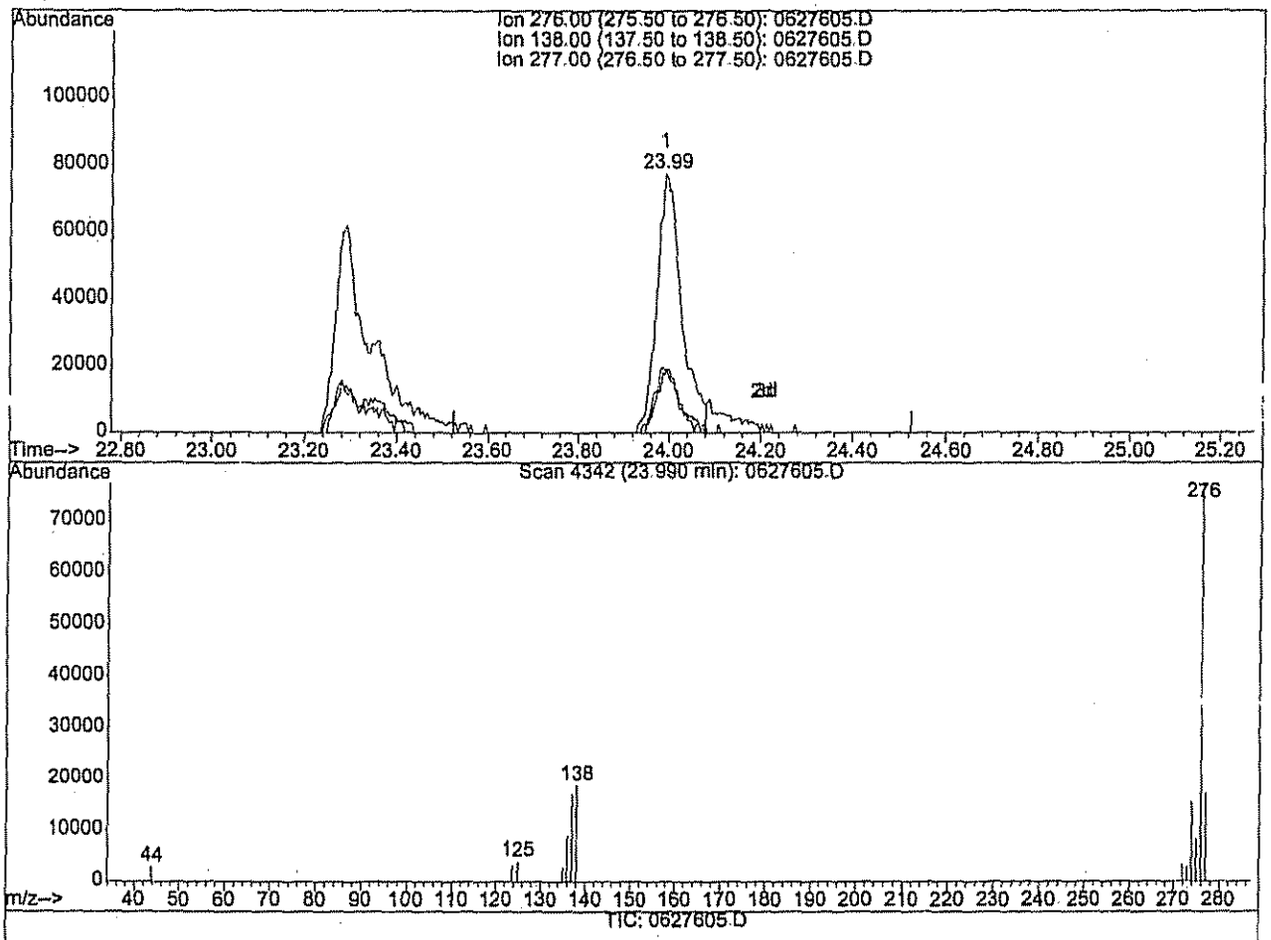
Ion	Exp%	Act%
276.00	100	100
138.00	24.60	24.33
277.00	24.50	22.34
0.00	0.00	0.00

0627605.D 8270.M Tue Jun 28 11:08:12 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627605.D 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



(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

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

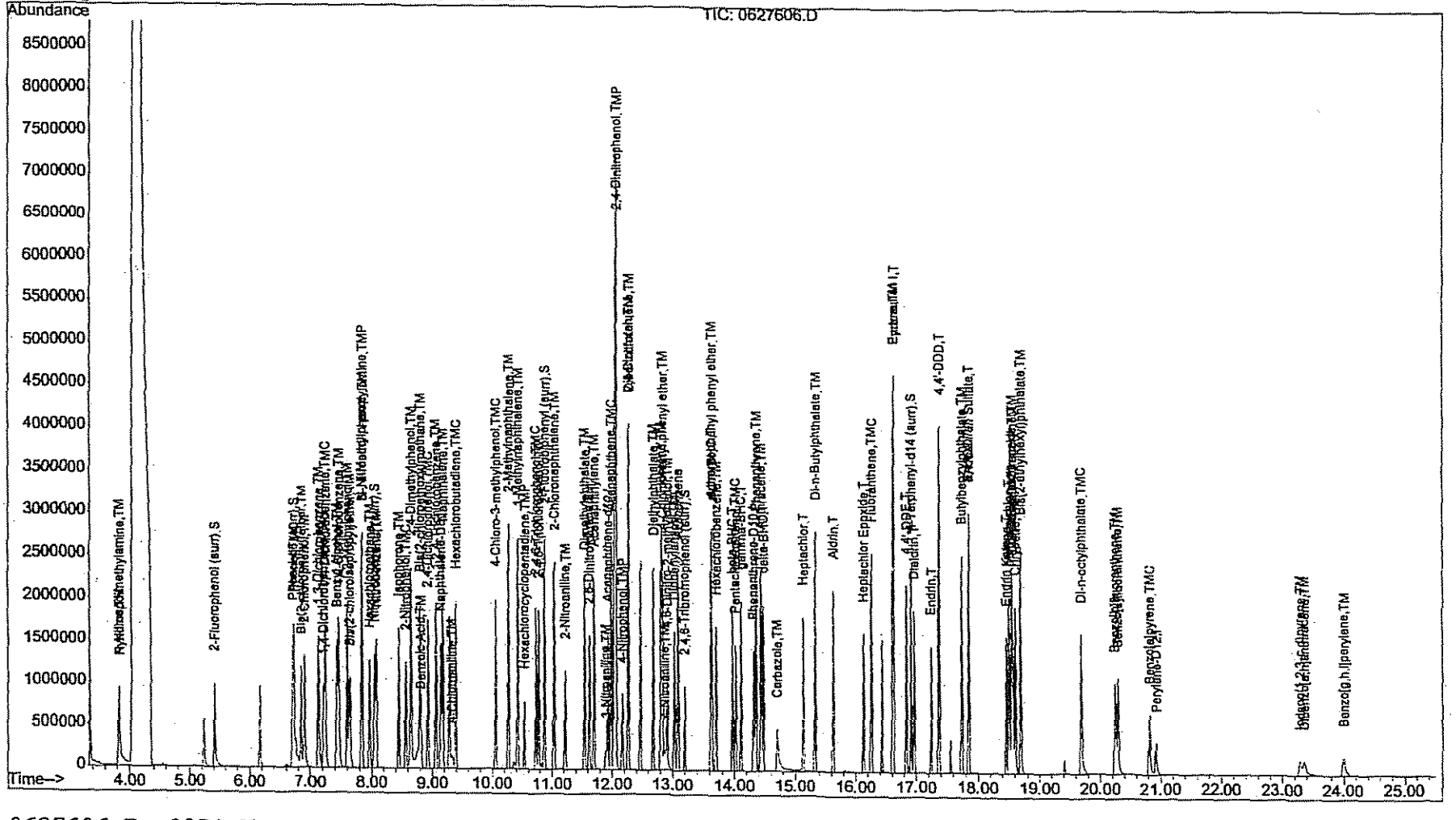
Quantitation Report

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

pmc 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

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

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

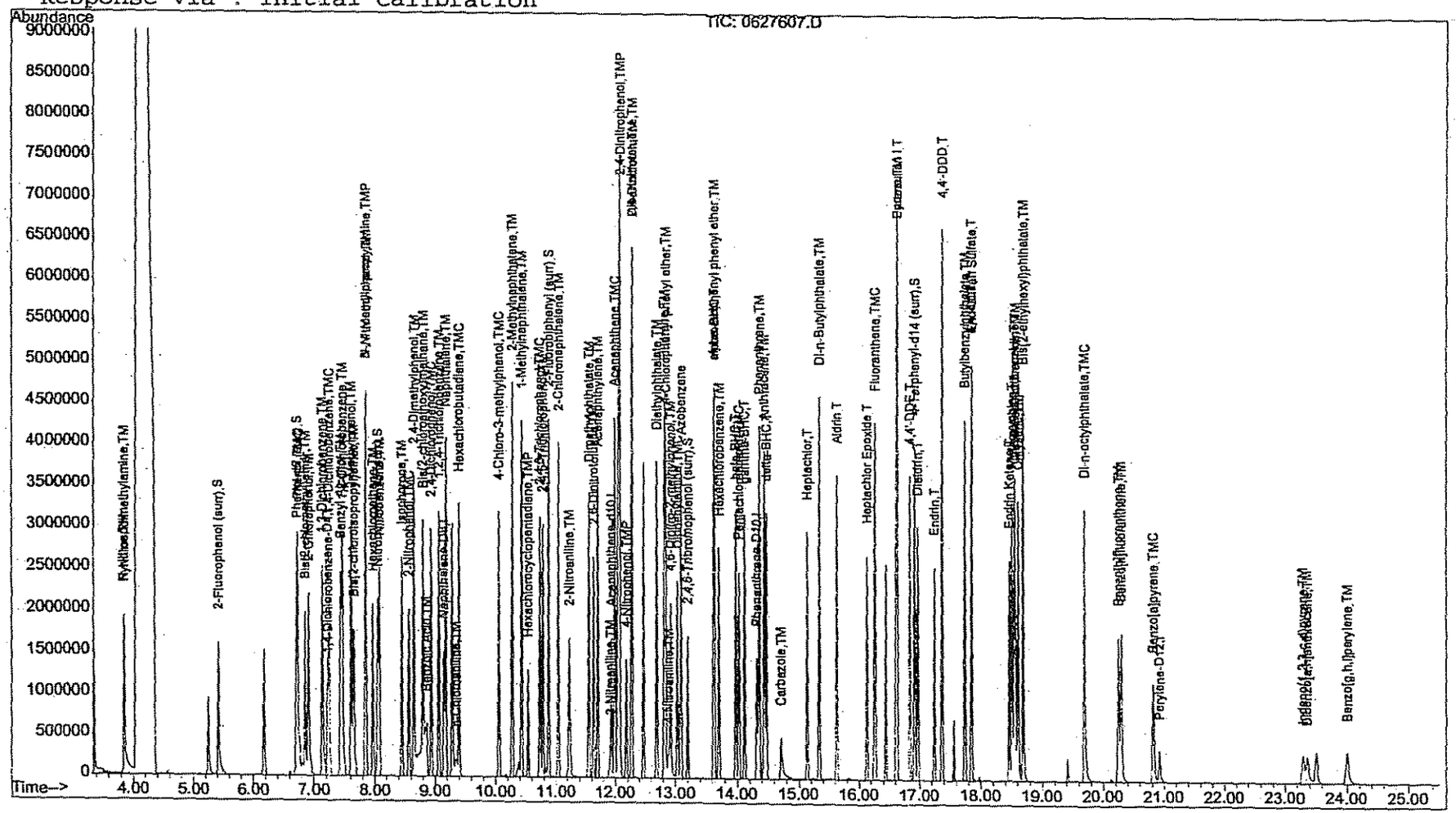
Quantitation Report

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

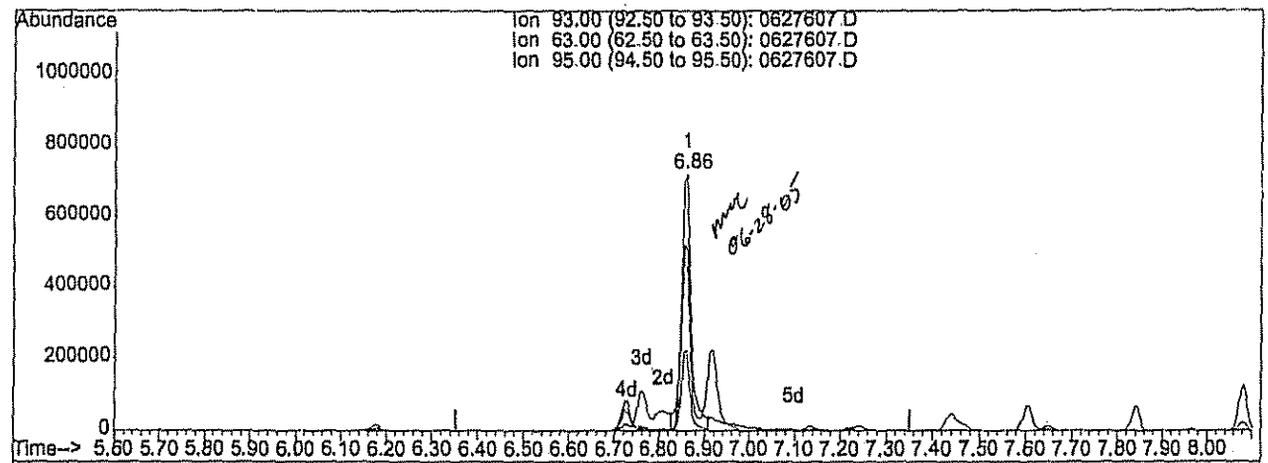
Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration

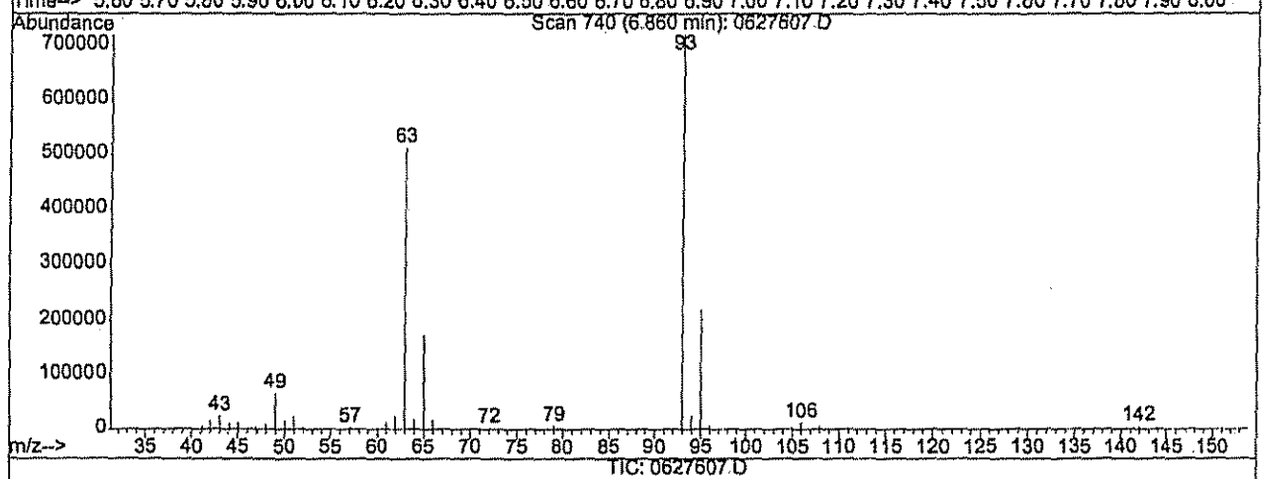


Quantitation Report (Qedit)

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

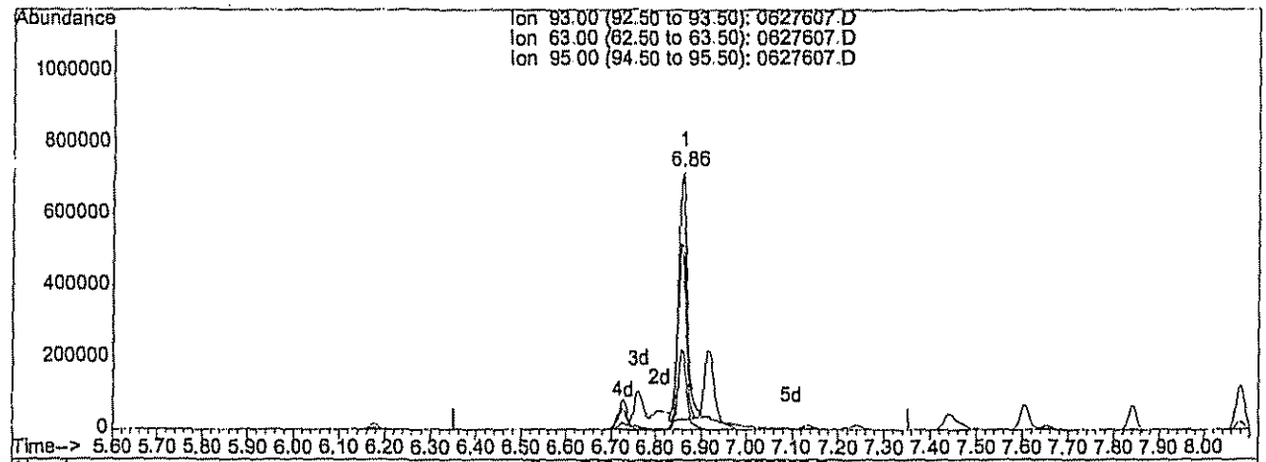
Ion	Exp%	Act%
93.00	100	100
63.00	73.90	71.24
95.00	32.70	30.43
0.00	0.00	0.00

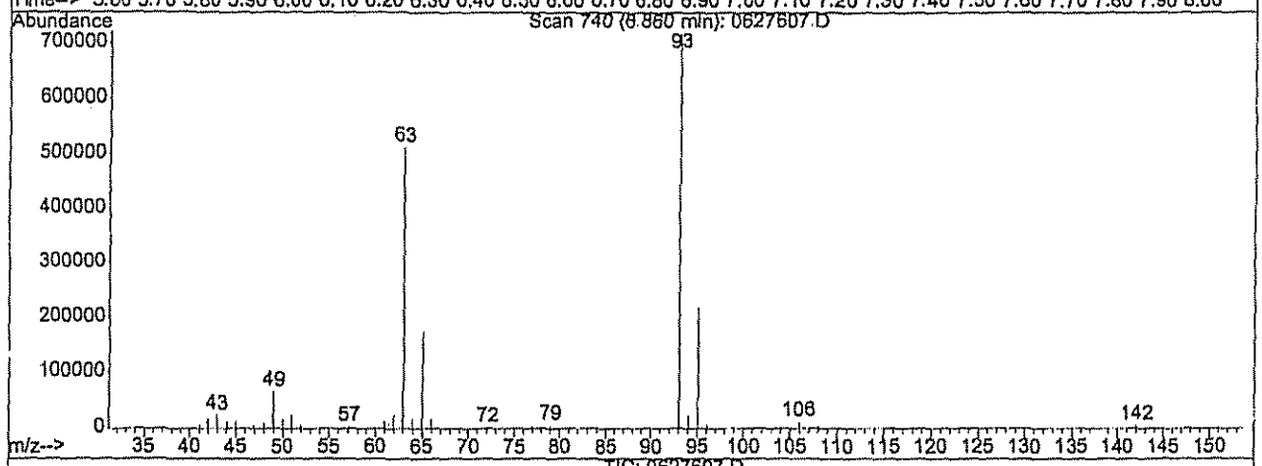
0627607.D 8270.M Tue Jun 28 11:18:22 2005 ENV

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

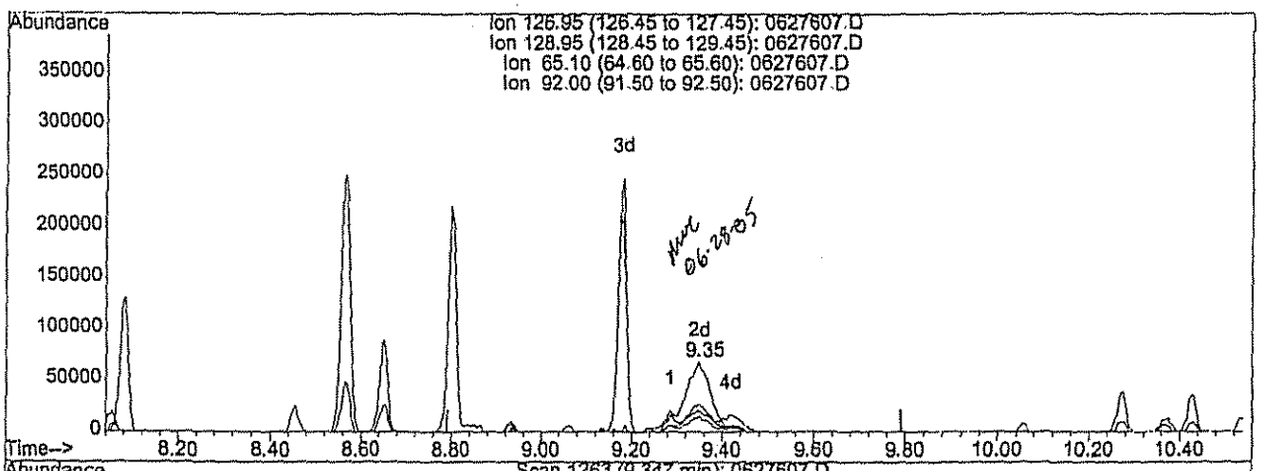
Ion	Exp%	Act%
93.00	100	100
63.00	73.90	74.24
95.00	32.70	32.08
0.00	0.00	0.00

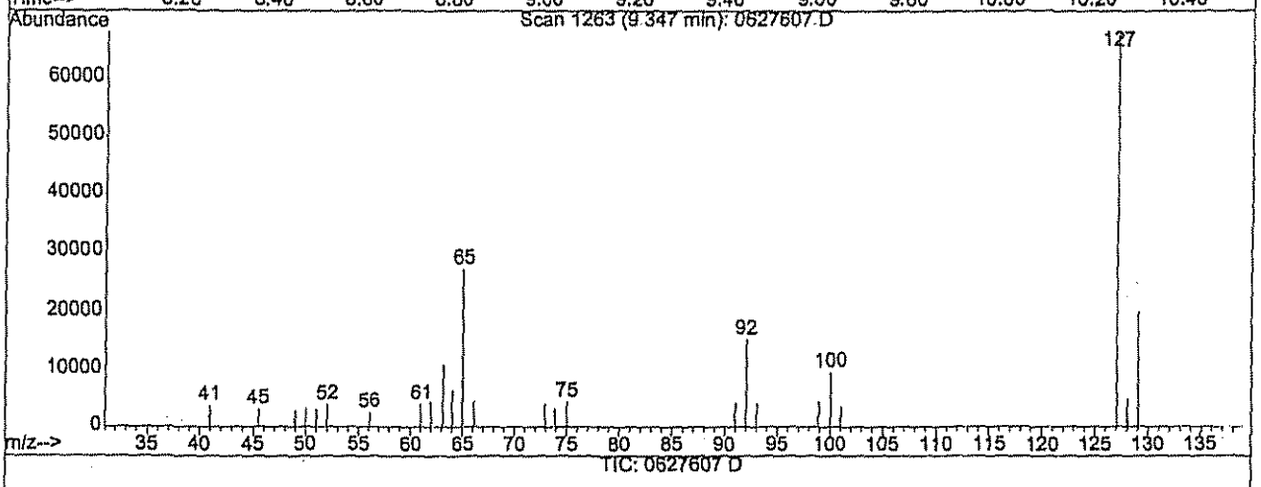
0627607.D 8270.M Tue Jun 28 11:18:18 2005 ENV

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

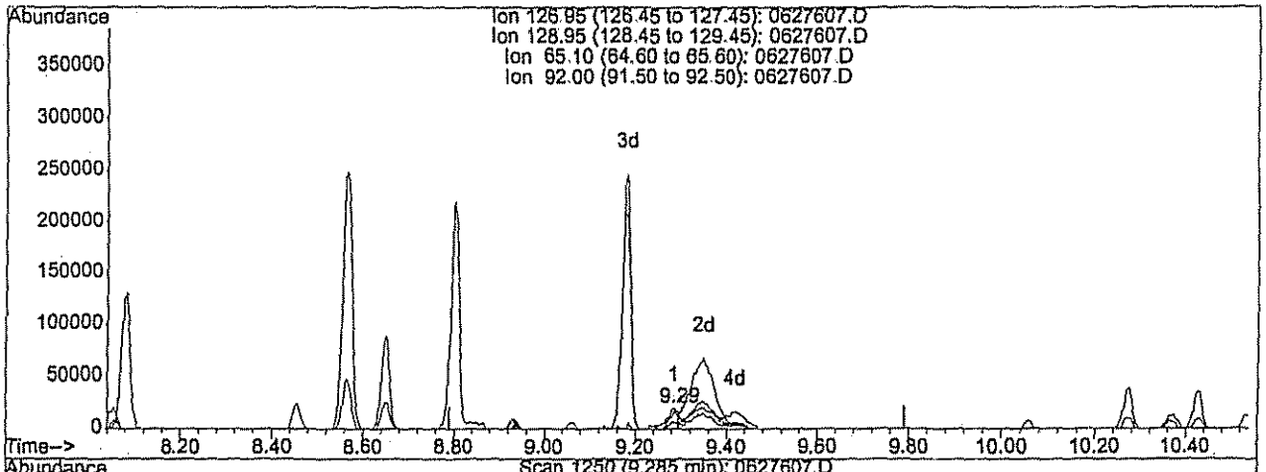
Ion	Exp%	Act%
126.95	100	100
128.95	33.90	29.48
65.10	36.70	39.73
92.00	25.90	22.46

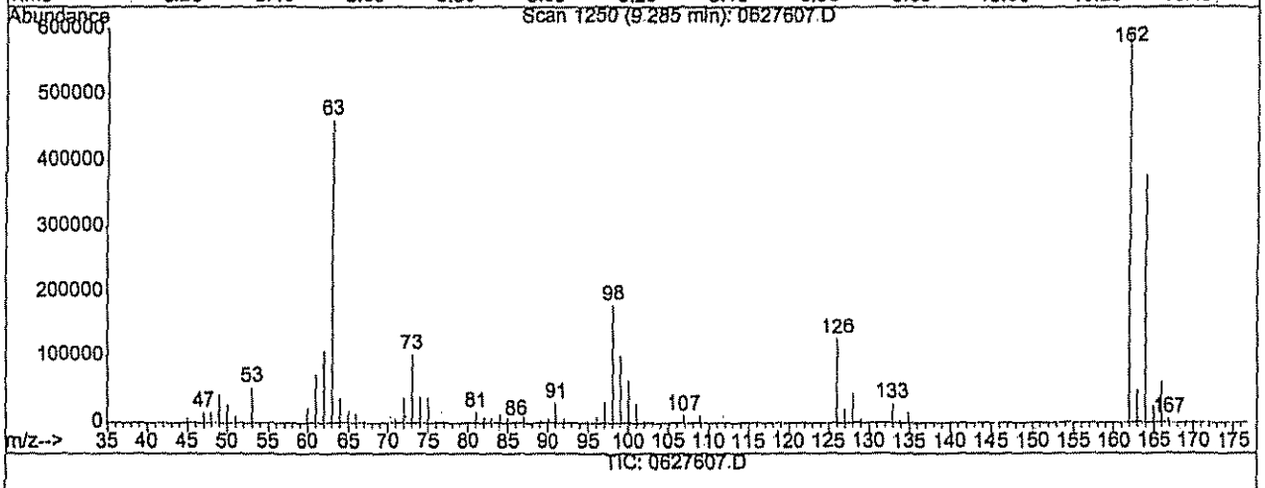
0627607.D 8270.M Tue Jun 28 11:18:45 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D 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)

9.29min 1.11ug/mL

response 36554

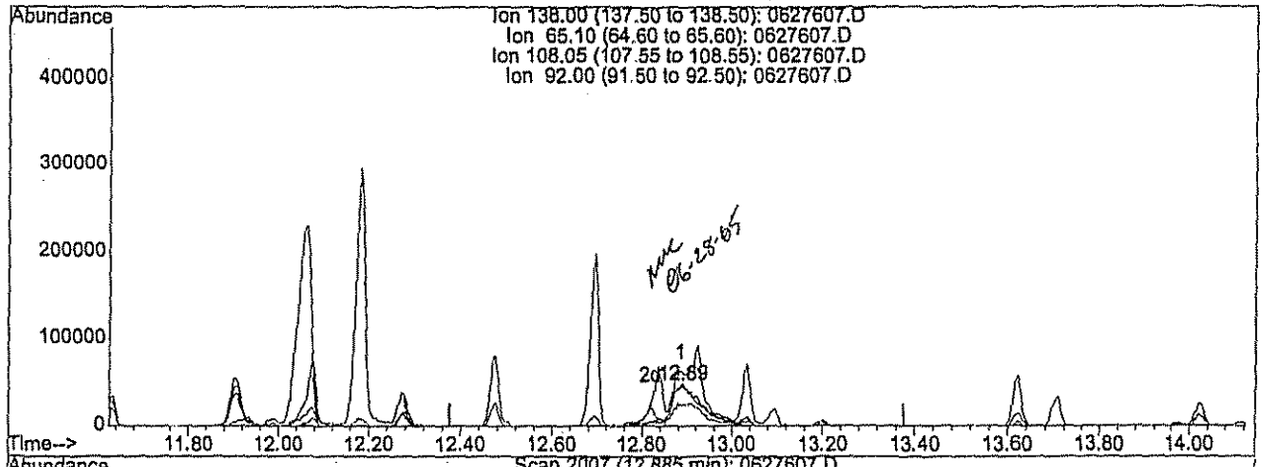
Ion	Exp%	Act%
126.95	100	100
128.95	33.90	29.42
65.10	36.70	84.30#
92.00	25.90	31.19#

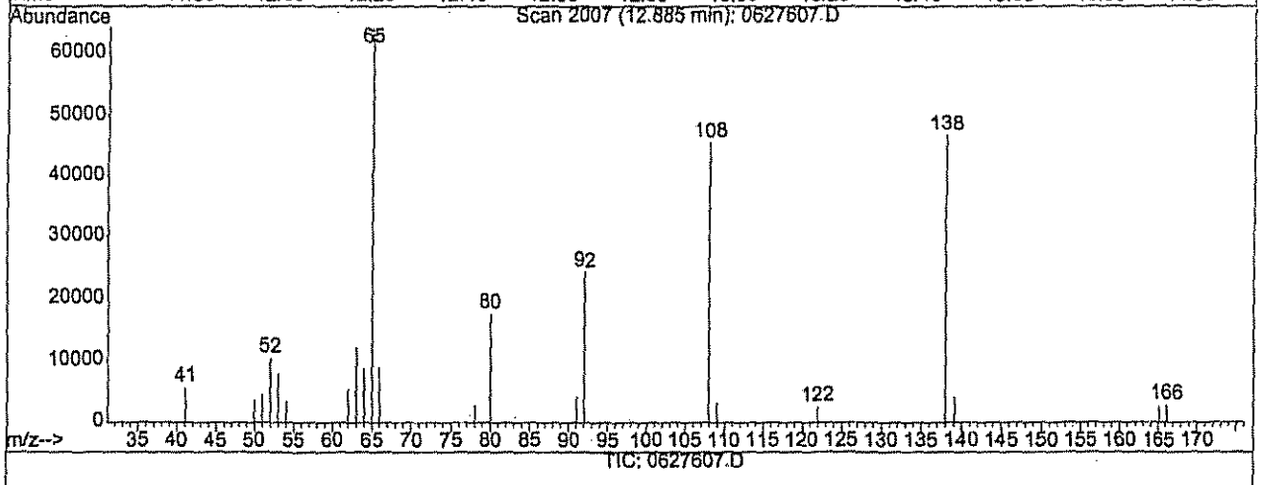
0627607.D 8270.M Tue Jun 28 11:18:41 2005 ENV

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

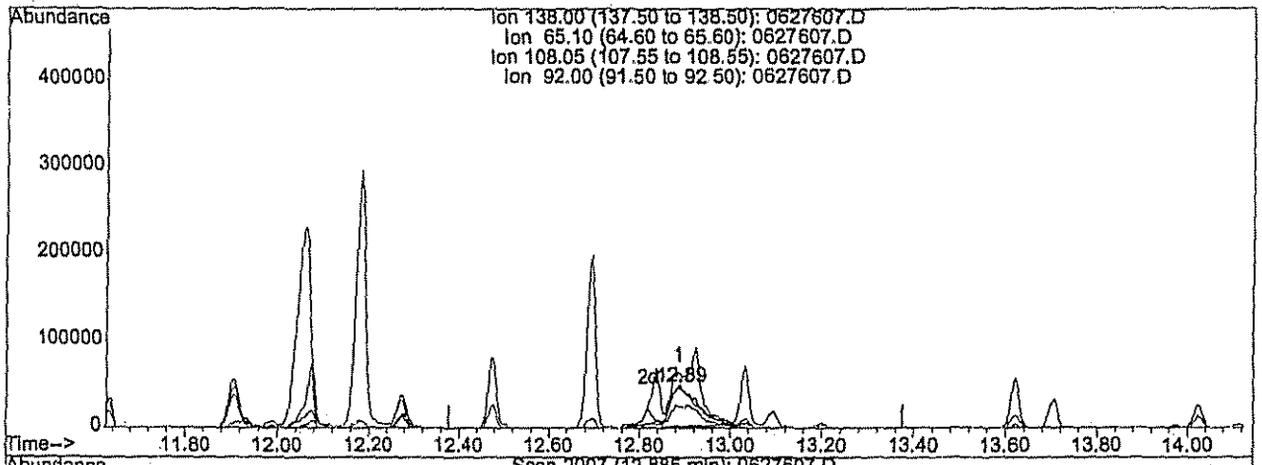
Ion	Exp%	Act%
138.00	100	100
65.10	102.50	137.09#
108.05	90.70	97.59
92.00	54.20	51.81

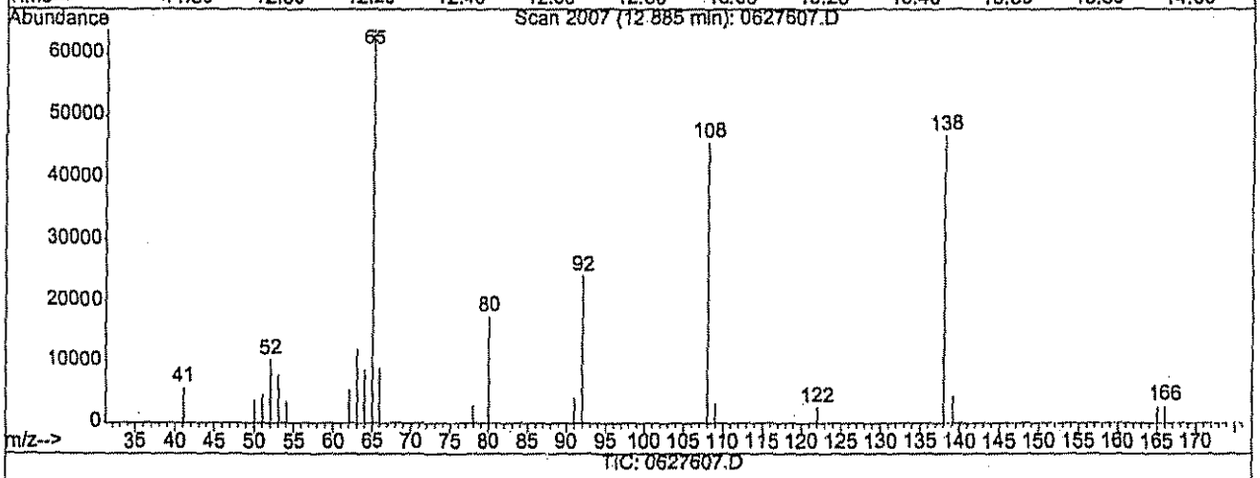
0627607.D 8270.M Tue Jun 28 11:19:09 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D 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





(52) 4-Nitroaniline (TM)

12.89min 10.80ug/mL

response 184118

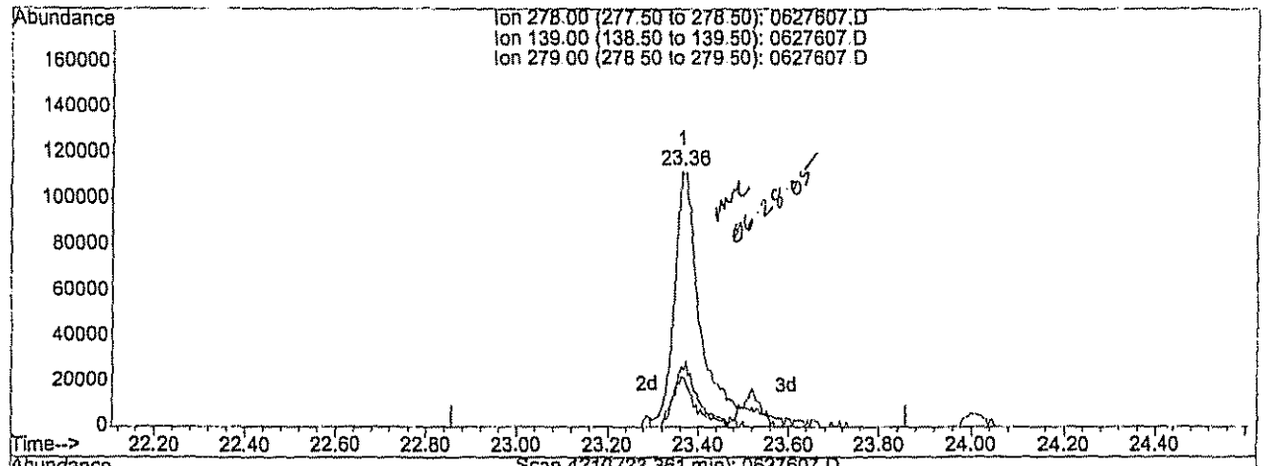
Ion	Exp%	Act%
138.00	100	100
65.10	102.50	121.41
108.05	90.70	98.12
92.00	54.20	55.94

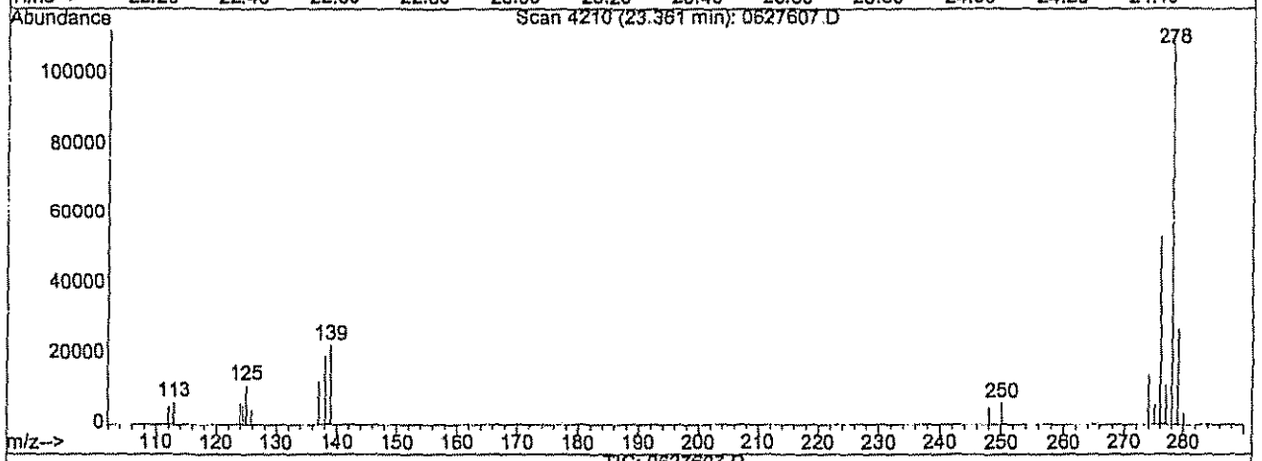
0627607.D 8270.M Tue Jun 28 11:19:05 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D 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





TIC: 0627607.D

(99) Dibenzo[a,h]anthracene (TM)

23.36min 15.39ug/mL m

response 493309

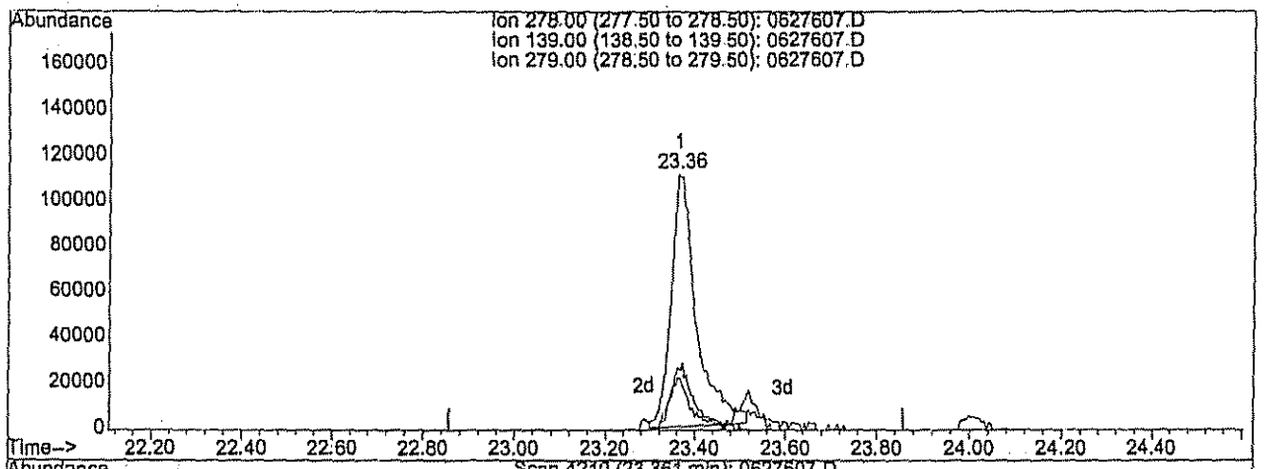
Ion	Exp%	Act%
278.00	100	100
139.00	21.10	20.07
279.00	22.70	24.03
0.00	0.00	0.00

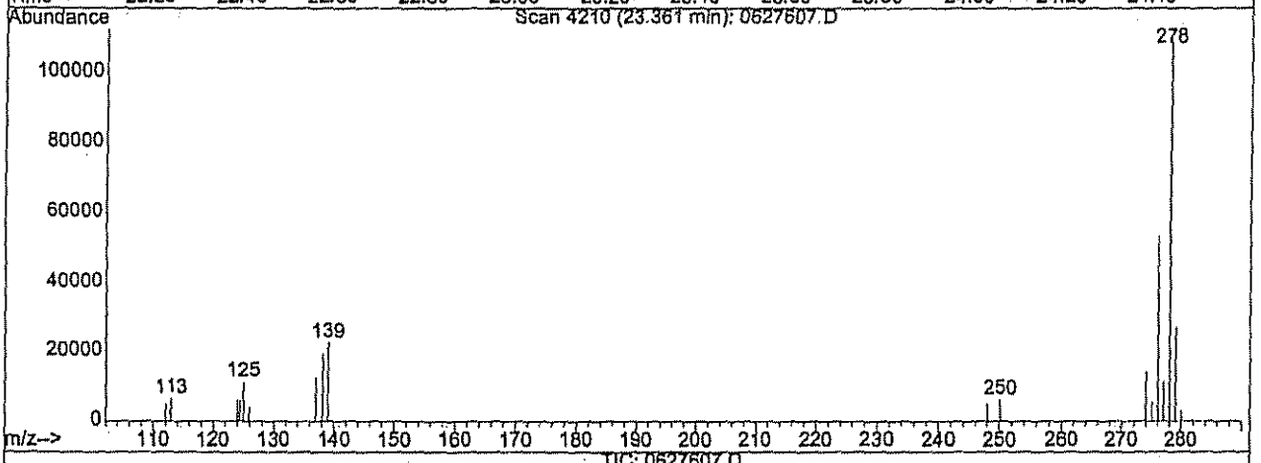
0627607.D 8270.M Tue Jun 28 11:19:43 2005 ENV

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





TIC: 0627607.D

(99) Dibenzo[a,h]anthracene (TM)

23.36min 13.50ug/mL

response 432884

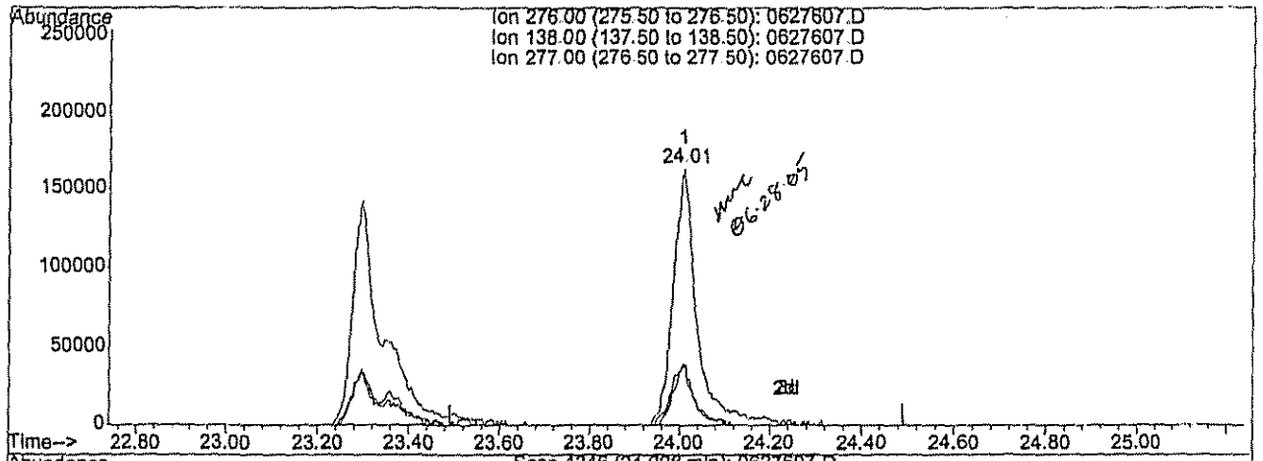
Ion	Exp%	Act%
278.00	100	100
139.00	21.10	20.61
279.00	22.70	24.69
0.00	0.00	0.00

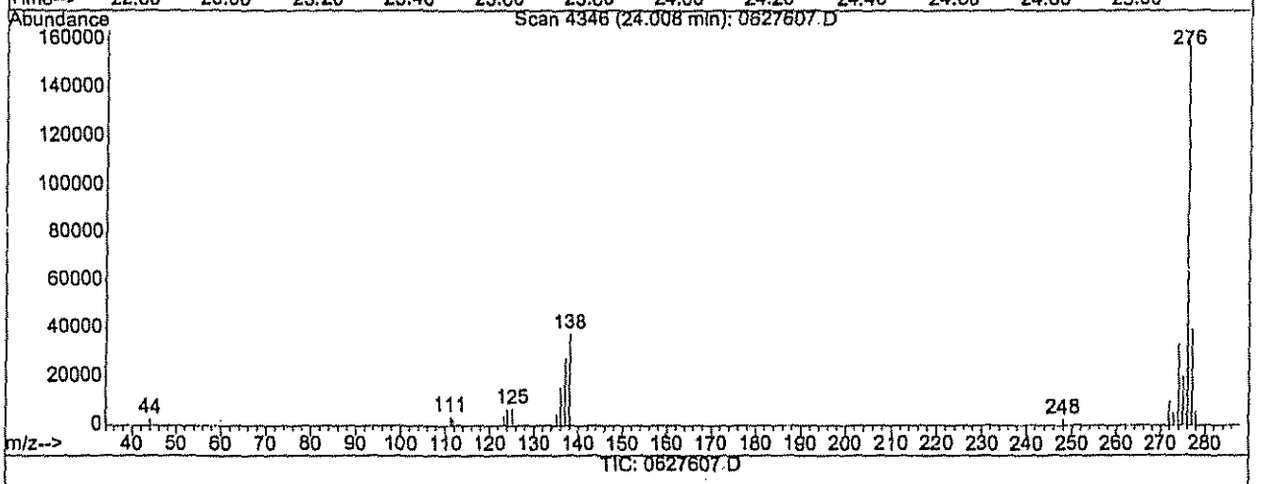
0627607.D 8270.M Tue Jun 28 11:19:38 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627607.D 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 13.08ug/mL m

response 611018

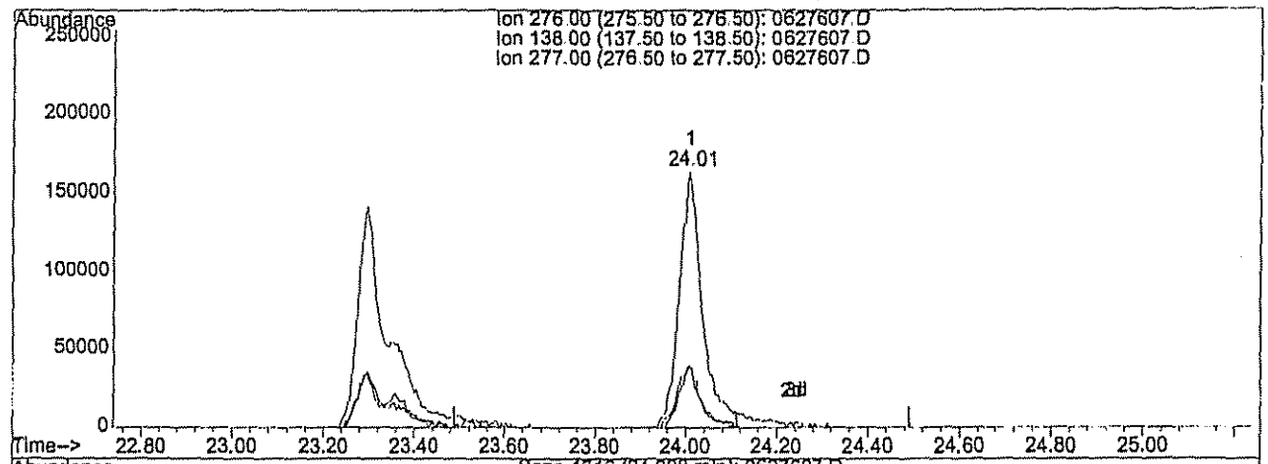
Ion	Exp%	Act%
276.00	100	100
138.00	24.30	23.14
277.00	22.30	24.37
0.00	0.00	0.00

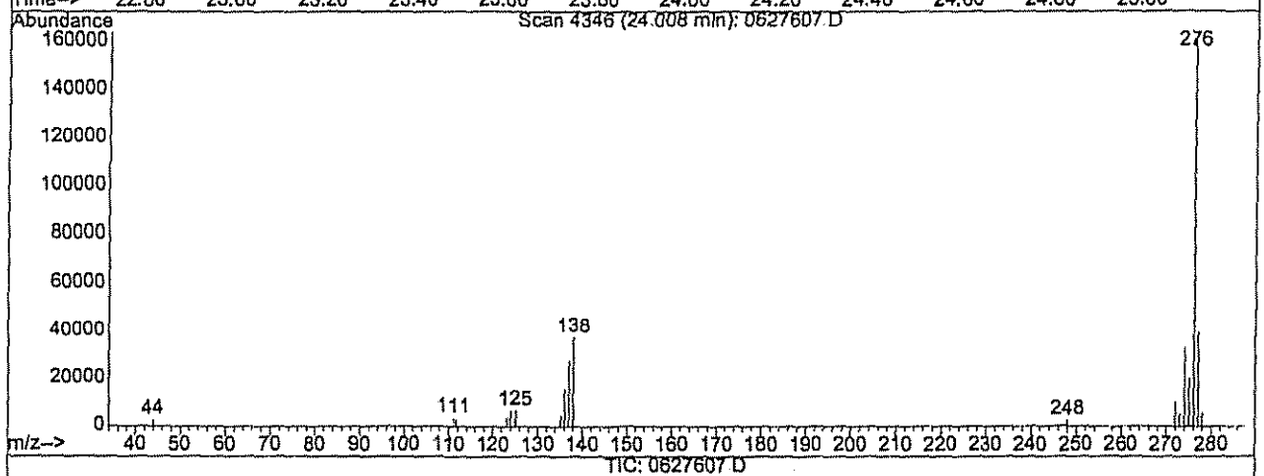
0627607.D 8270.M Tue Jun 28 11:19:50 2005 ENV

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

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

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

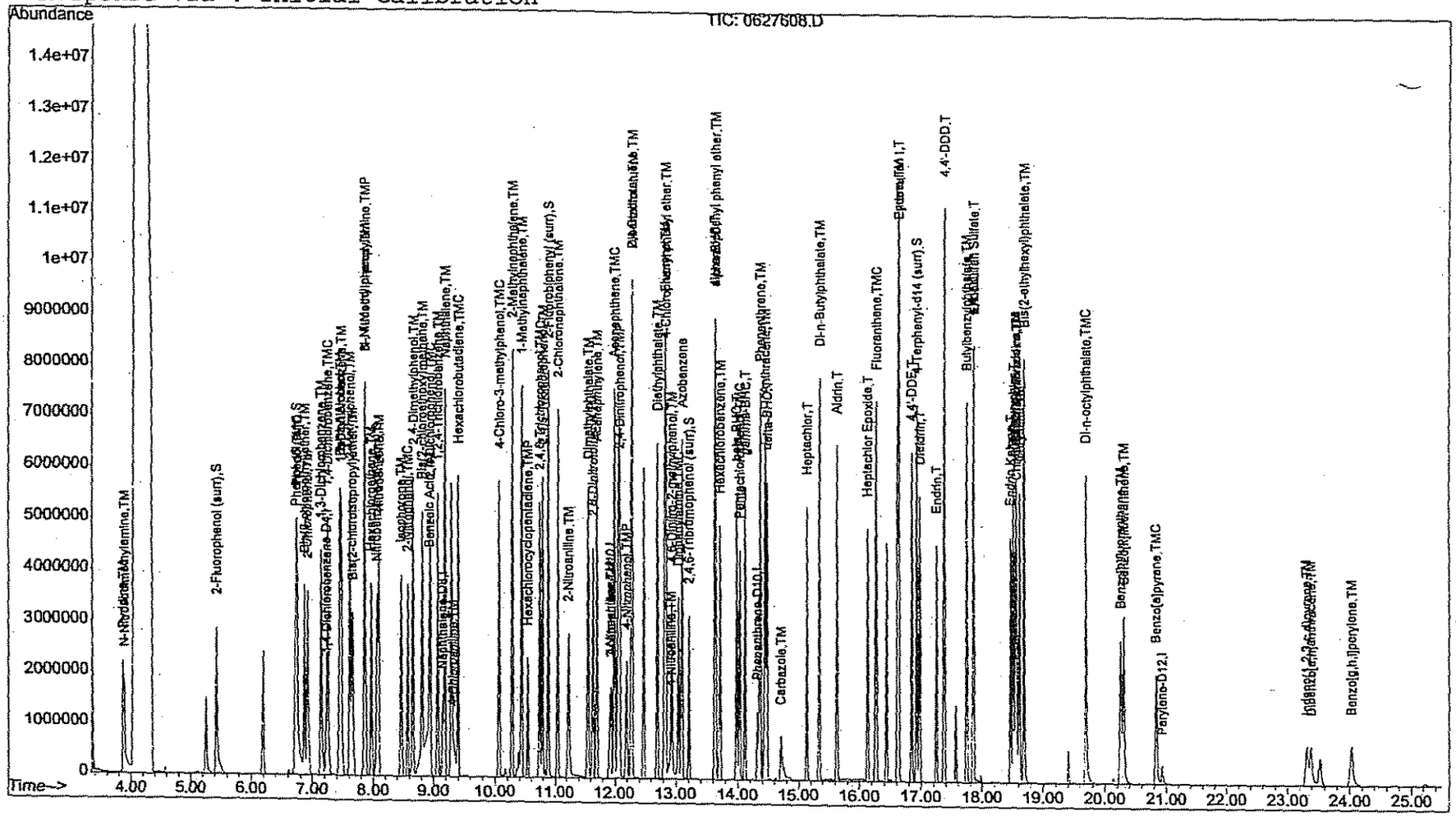
Quantitation Report

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

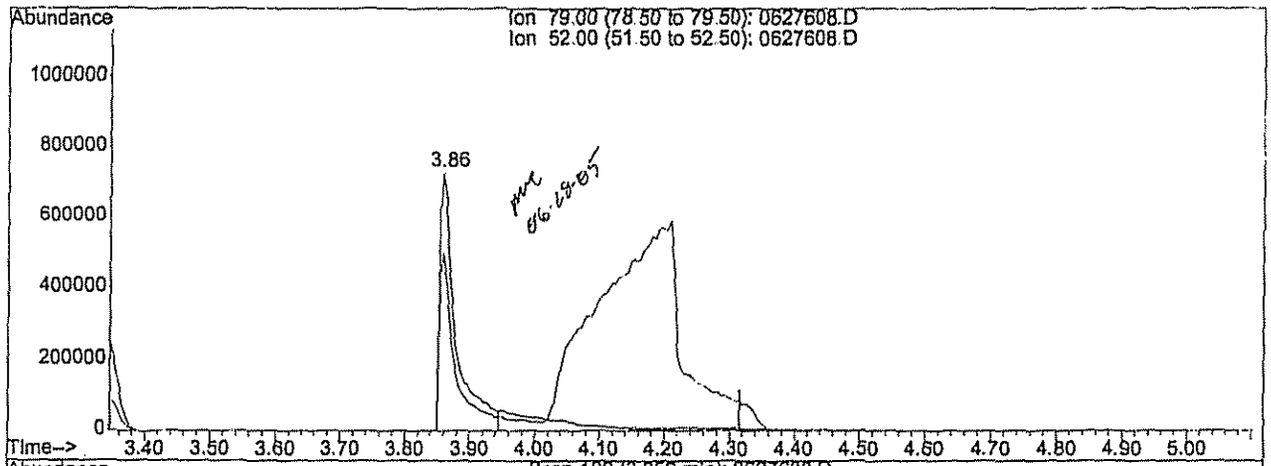


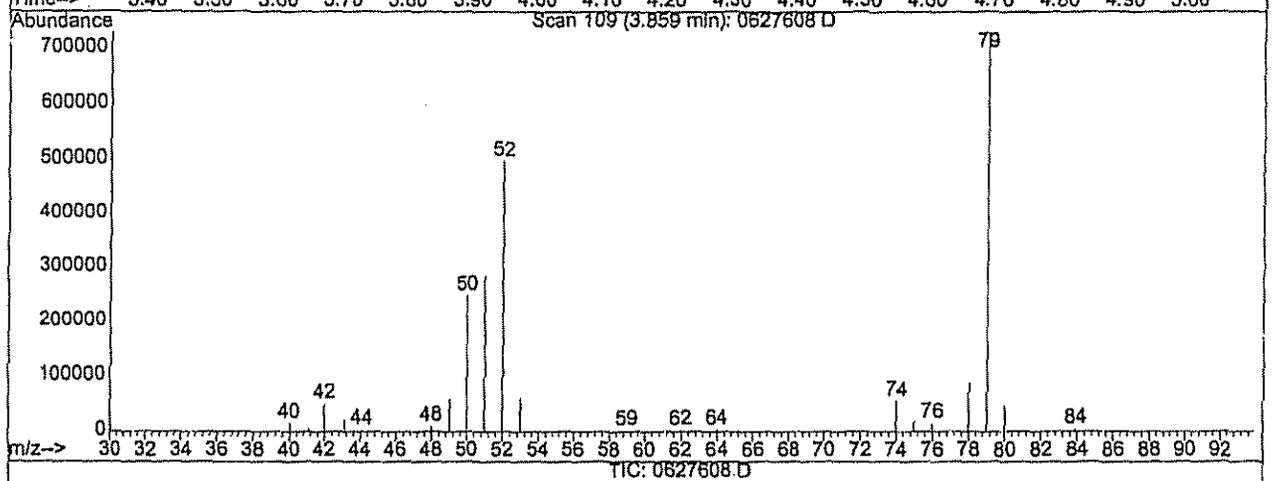
0627608.D 8270.M Tue Jun 28 11:30:20 2005 ENV

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

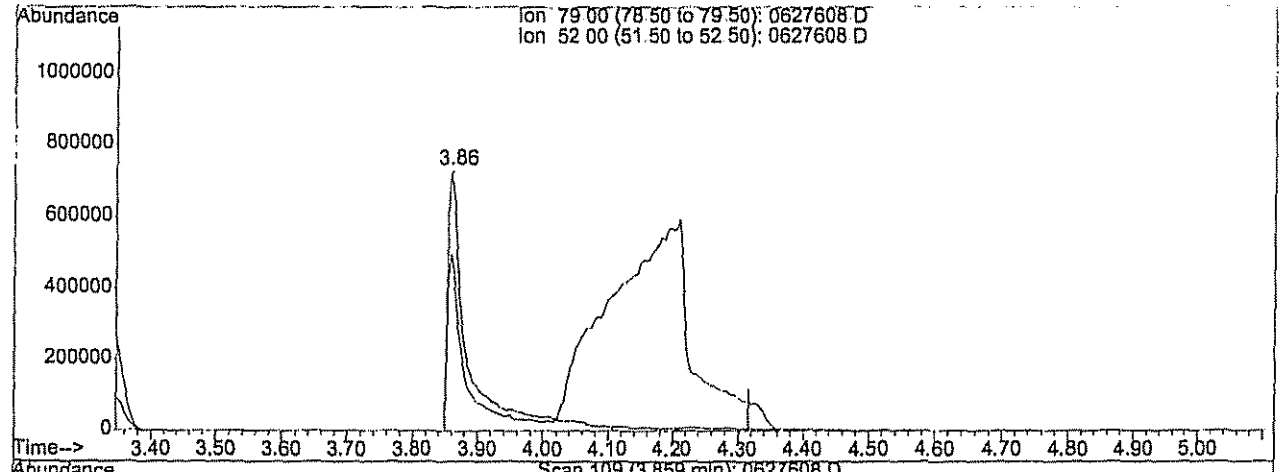
Ion	Exp%	Act%
79.00	100	100
52.00	59.70	71.89#
0.00	0.00	0.00
0.00	0.00	0.00

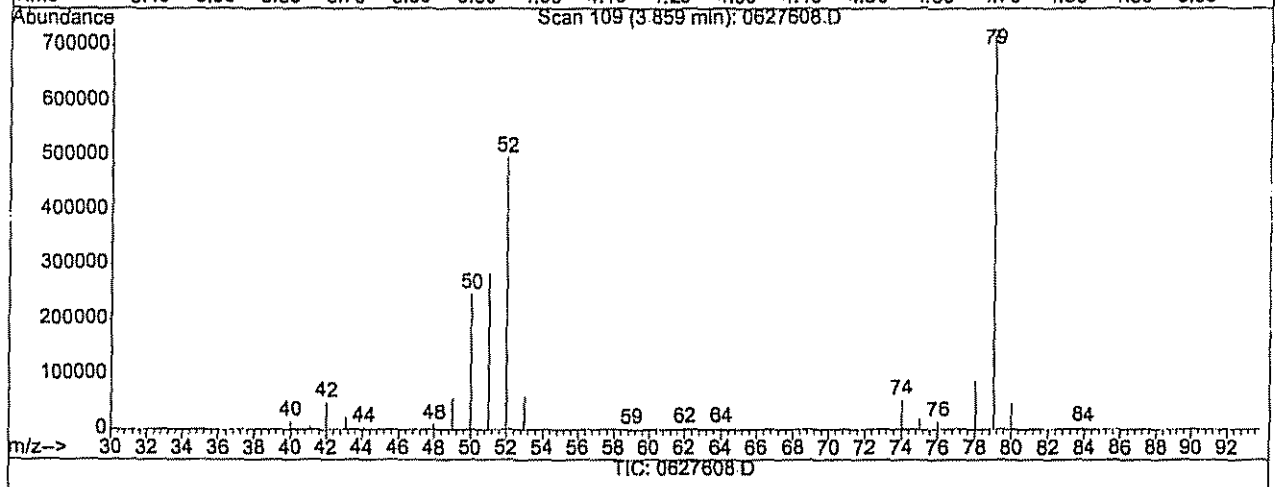
0627608.D 8270.M Tue Jun 28 11:20:25 2005 ENV

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

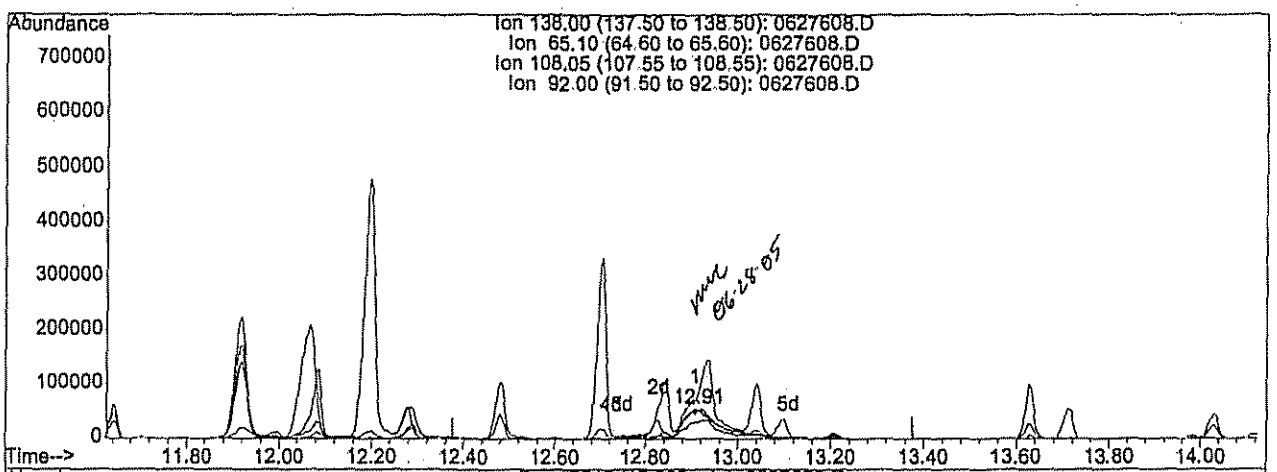
Ion	Exp%	Act%
79.00	100	100
52.00	59.70	58.05
0.00	0.00	0.00
0.00	0.00	0.00

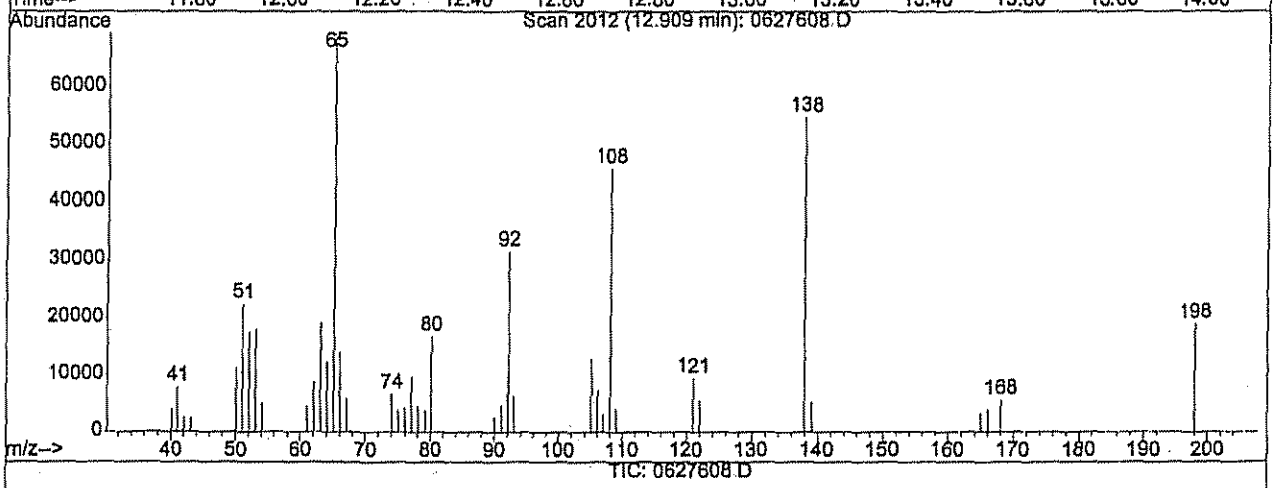
0627608.D 8270.M Tue Jun 28 11:20:21 2005 ENV

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

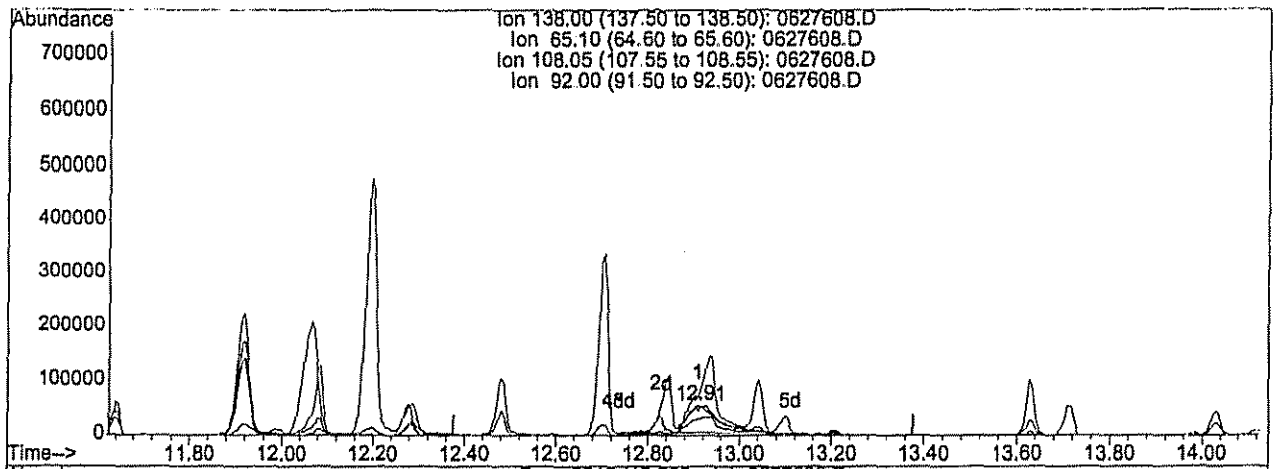
Ion	Exp%	Act%
138.00	100	100
65.10	102.50	126.83#
108.05	90.70	83.55
92.00	54.20	57.60

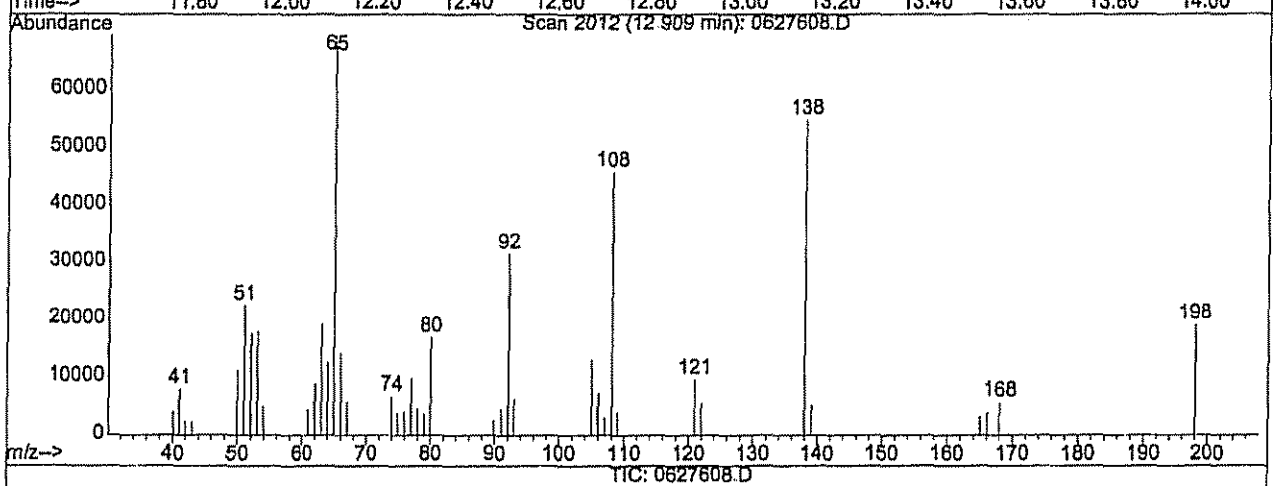
0627608.D 8270.M Tue Jun 28 11:21:10 2005 ENV

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

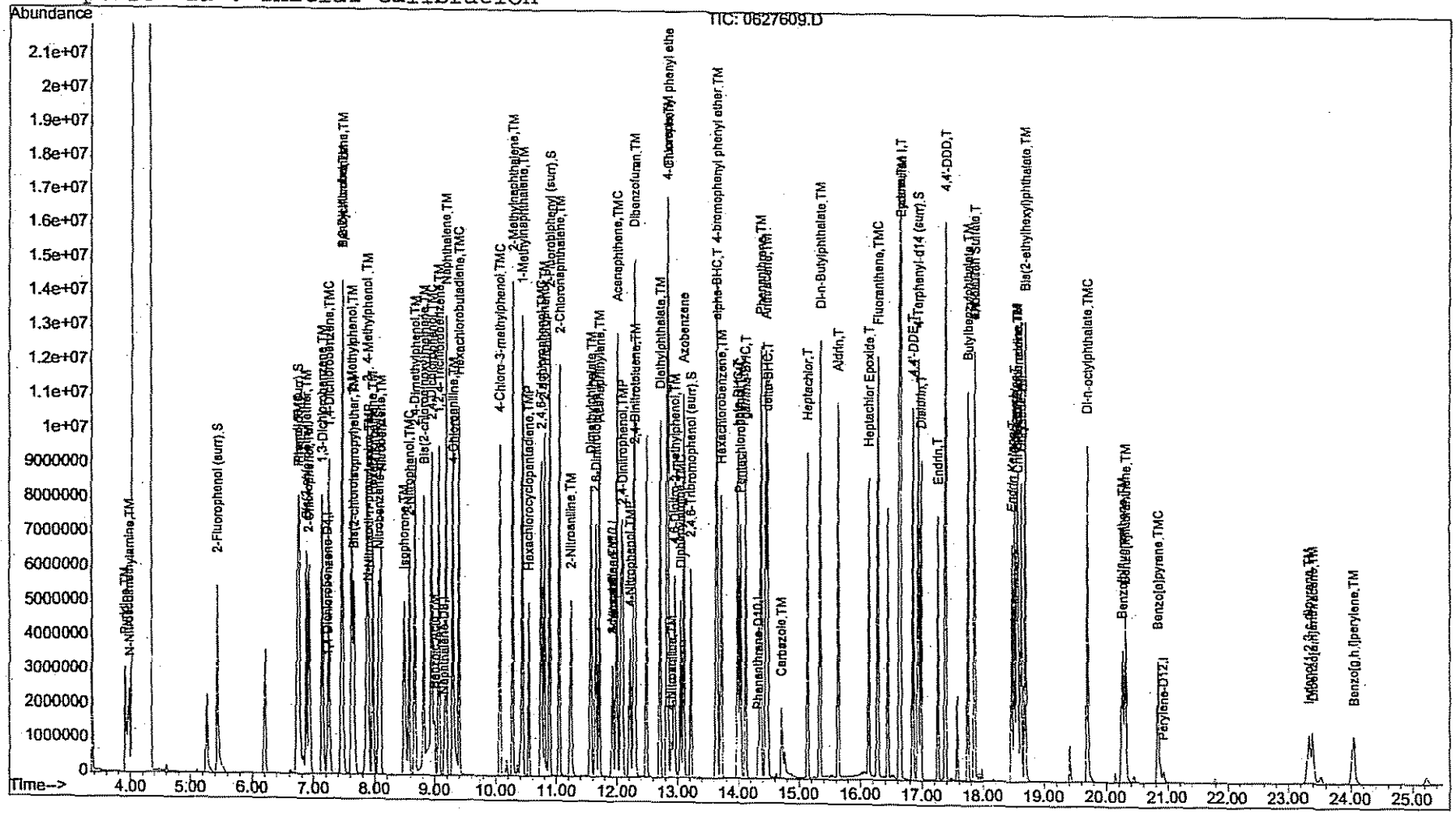
Quantitation Report

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

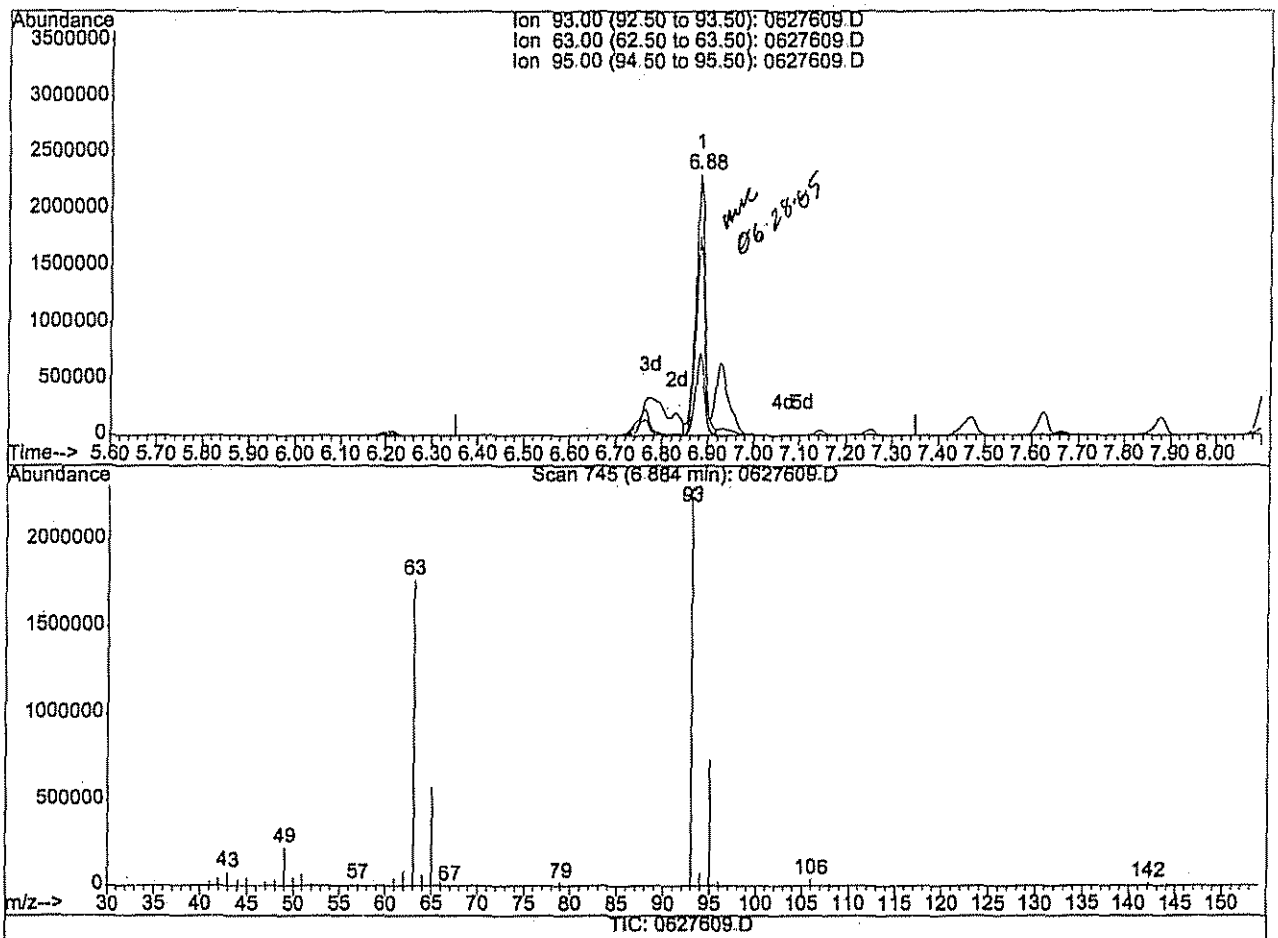
Method : C:\HPCHEM\1\DATA\6062705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration



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

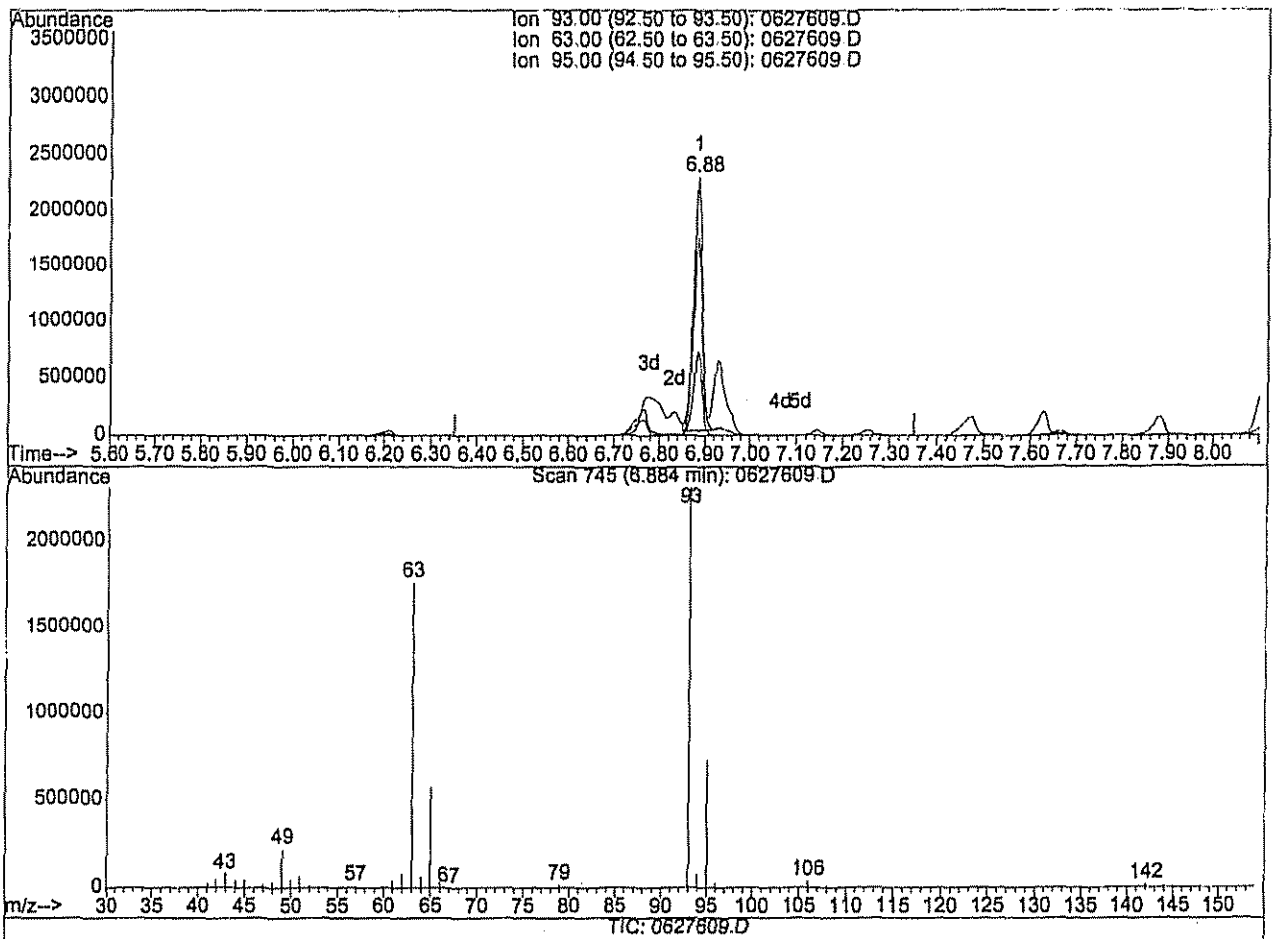
Ion	Exp%	Act%
93.00	100	100
63.00	73.90	76.56
95.00	32.70	31.98
0.00	0.00	0.00

0627609.D 8270.M Tue Jun 28 11:22:17 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6062705\0627609.D 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 11:21 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 11:21:41 2005
Response via : Multiple Level Calibration



(5) Bis(2-chloroethyl)ether (TM)

6.88min 40.19ug/mL

response 3110279

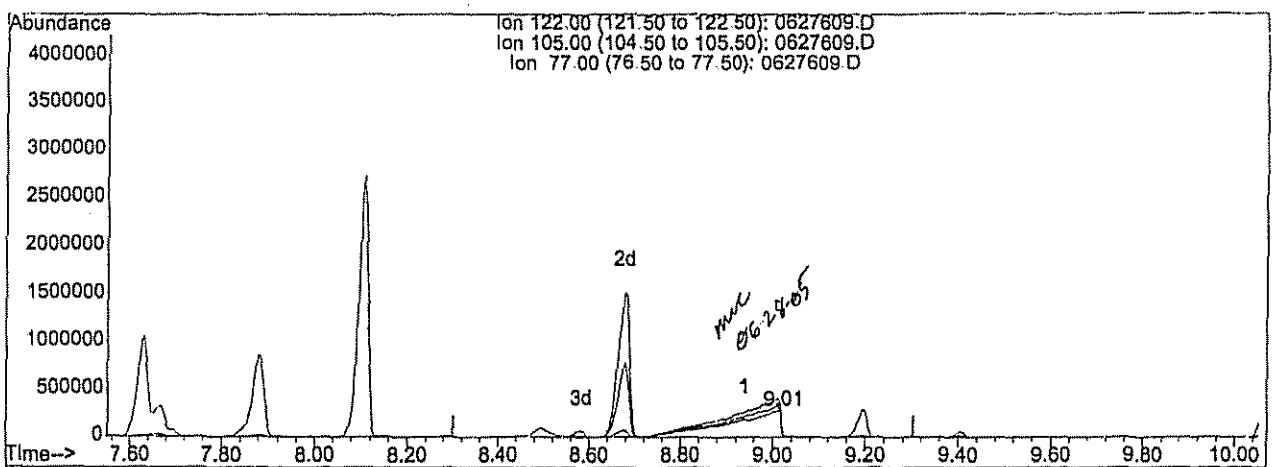
Ion	Exp%	Act%
93.00	100	100
63.00	73.90	77.72
95.00	32.70	32.73
0.00	0.00	0.00

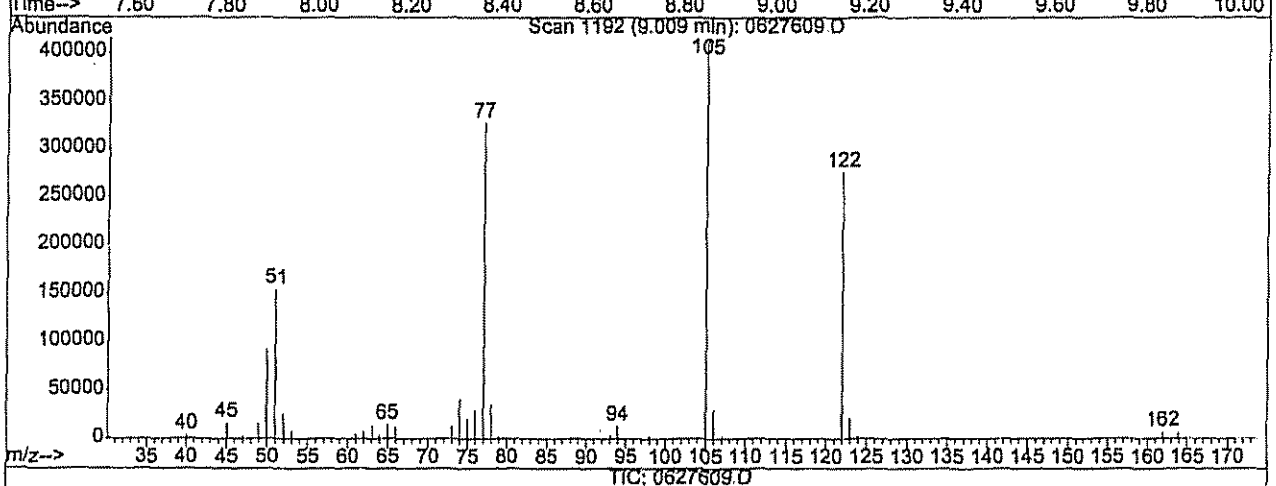
0627609.D 8270.M Tue Jun 28 11:22:12 2005 ENV

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





TIC: 0627609.D

(23) Benzoic Acid (TM)

9.01min 58.66ug/mL m

response 2191443

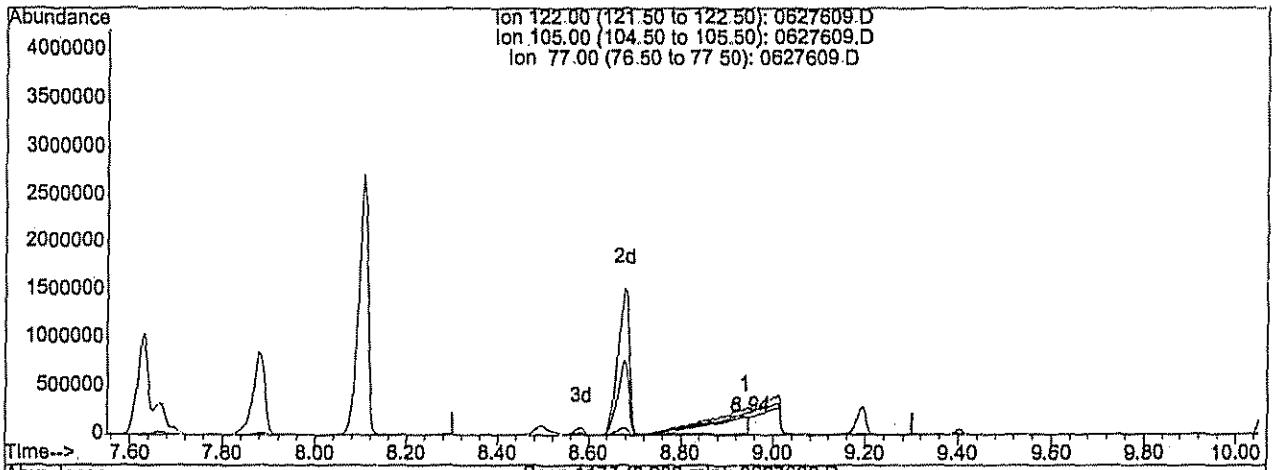
Ion	Exp%	Act%
122.00	100	100
105.00	145.20	0.00#
77.00	117.00	0.00#
0.00	0.00	0.00

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

8270-BN CVS Raw Data

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\6070805\0708602.D Vial: 2
Acq On : 8 Jul 2005 2:29 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\DATA\6070805\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	83	-0.04
2	TM	Pyridine	0.785	0.804	-2.4	76	-0.04
3	TM	N-Nitrosodimethylamine	0.668	0.751	-12.4	89	-0.04
4	TMC	Phenol	1.797	1.929	-7.3	84	-0.03
5	TM	Bis(2-chloroethyl)ether	1.397	1.540	-10.2	89	-0.04
6	TM	2-Chlorophenol	1.322	1.370	-3.6	83	-0.04
7	TM	Benzyl Alcohol	0.919	0.969	-5.4	83	-0.04
8	TM	1,3-Dichlorobenzene	1.306	1.363	-4.4	81	-0.04
9	TMC	1,4-Dichlorobenzene	1.341	1.403	-4.6	83	-0.04
10	TM	1,2-Dichlorobenzene	1.210	1.272	-5.1	82	-0.04
11	TM	2-Methylphenol	1.097	1.125	-2.6	81	-0.04
12	TM	3-, 4-Methylphenol	1.590	1.647	-3.6	81	-0.04
13	TM	Bis(2-chloroisopropyl)ether	1.644	1.748	-6.3	85	-0.04
14	TMP	N-Nitrosodi-n-propylamine	0.834	0.862	-3.4	82	-0.04
15	TM	Hexachloroethane	0.531	0.545	-2.6	80	-0.04
16	S	2-Fluorophenol (surr)	1.017	1.048	-3.0	84	-0.03
17	S	Phenol-d6 (surr)	1.587	1.700	-7.1	85	-0.03
18	I	Naphthalene-D8	1.000	1.000	0.0	83	-0.04
19	TM	Nitrobenzene	0.394	0.414	-5.1	84	-0.04
20	TM	Isophorone	0.582	0.583	-0.2	79	-0.04
21	TMC	2-Nitrophenol	0.183	0.180	1.6	81	-0.04
22	TM	2,4-Dimethylphenol	0.262	0.265	-1.1	80	-0.04
23	TM	Benzoic Acid	0.177	0.180	-1.7	84	-0.02
24	TM	Bis(2-chloroethoxy)methane	0.385	0.398	-3.4	83	-0.04
25	TMC	2,4-Dichlorophenol	0.265	0.280	-5.7	83	-0.04
26	TM	1,2,4-Trichlorobenzene	0.280	0.282	-0.7	81	-0.05
27	TM	Naphthalene	0.872	0.905	-3.8	82	-0.05
28	TM	4-Chloroaniline	0.148	0.113	23.6#	68	-0.02
29	TMC	Hexachlorobutadiene	0.177	0.181	-2.3	80	-0.05
30	TMC	4-Chloro-3-methylphenol	0.313	0.347	-10.9	87	-0.04
31	TM	2-Methylnaphthalene	0.622	0.655	-5.3	84	-0.04
32	S	Nitrobenzene-d5 (surr)	0.142	0.150	-5.6	83	-0.05
33	I	Acenaphthene-d10	1.000	1.000	0.0	83	-0.05
34	TMP	Hexachlorocyclopentadiene	0.141	0.136	3.5	74	-0.04
35	TMC	2,4,6-Trichlorophenol	0.354	0.370	-4.5	81	-0.04
36	TM	2,4,5-Trichlorophenol	0.369	0.408	-10.6	87	-0.04
37	TM	2-Chloronaphthalene	0.986	1.046	-6.1	84	-0.05
38	TM	2-Nitroaniline	0.364	0.386	-6.0	81	-0.04
39	TM	3-Nitroaniline	0.103	0.047#	54.4#	40#	-0.04

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\6070805\0708602.D Vial: 2
Acq On : 8 Jul 2005 2:29 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\DATA\6070805\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	1.035	-5.5	83	-0.05
41	TM	Dimethylphthalate	1.167	1.234	-5.7	83	-0.05
42	TM	Acenaphthylene	1.284	1.399	-9.0	84	-0.05
43	TM	2,6-Dinitrotoluene	0.257	0.269	-4.7	80	-0.04
44	TMC	Acenaphthene	0.883	0.925	-4.8	83	-0.05
45	TMP	2,4-Dinitrophenol	0.149	0.155	-4.0	84	-0.04
46	TMP	4-Nitrophenol	0.168	0.183	-8.9	88	-0.03
47	TM	Dibenzofuran	1.431	1.521	-6.3	85	-0.05
48	TM	2,4-Dinitrotoluene	0.325	0.342	-5.2	84	-0.04
49	TM	Fluorene	1.063	1.137	-7.0	84	-0.05
50	TM	Diethylphthalate	1.079	1.090	-1.0	80	-0.05
51	TM	4-Chlorophenyl phenyl ether	0.549	0.570	-3.8	83	-0.05
52	TM	4-Nitroaniline	0.139	0.136	2.2	78	-0.04
53	S	2-Fluorobiphenyl (surr)	1.121	1.163	-3.7	83	-0.05
54	S	2,4,6-Tribromophenol (surr)	0.117	0.127	-8.5	86	-0.05
55	I	Phenanthrene-D10	1.000	1.000	0.0	86	-0.05
56	TM	4,6-Dinitro-2-methylphenol	0.145	0.135	6.9	72	-0.04
57	TMC	Diphenylamine	0.417	0.380	8.9	76	-0.05
58	TM	4-bromophenyl phenyl ether	0.203	0.213	-4.9	84	-0.05
59	TM	Hexachlorobenzene	0.200	0.192	4.0	79	-0.05
60	TMC	Pentachlorophenol	0.147	0.140	4.8	78	-0.04
61	TM	Phenanthrene	0.990	1.026	-3.6	85	-0.05
62	TM	Carbazole	0.725	0.340	53.1#	46#	-0.04
63	TM	Anthracene	0.923	0.987	-6.9	88	-0.05
64		Azobenzene	0.873	0.892	-2.2	84	-0.05
65	TM	Di-n-Butylphthalate	1.189	1.181	0.7	80	-0.05
66	TMC	Fluoranthene	1.042	1.063	-2.0	82	-0.05
67	T	alpha-BHC	0.158	0.153	3.2	77	-0.05
68	T	beta-BHC	0.132	0.124	6.1	76	-0.04
69	T	gamma-BHC	0.135	0.130	3.7	79	-0.05
70	T	delta-BHC	0.128	0.123	3.9	79	-0.05
71	T	Heptachlor	0.150	0.147	2.0	80	-0.05
72	T	Aldrin	0.173	0.161	6.9	73	-0.05
73	T	Heptachlor Epoxide	0.052	0.051	1.9	78	-0.05
74	T	Endosulfan I	0.043	0.043#	0.0	80	-0.06
75	T	4,4'-DDE	0.245	0.234	4.5	78	-0.05
76	T	Dieldrin	0.223	0.197	11.7	73	-0.05
77	T	Endrin	0.038	0.037#	2.6	76	-0.05
78	T	Endosulfan II	0.000	0.000#	0.0	0#	-19.14#
79	T	4,4'-DDD	0.410	0.392	4.4	77	-0.05

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\6070805\0708602.D Vial: 2
Acq On : 8 Jul 2005 2:29 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\DATA\6070805\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	0.046#	14.8	67	-0.05
81	T	4,4'-DDT	0.318	0.306	3.8	77	-0.05
82	T	Endrin Aldehyde	0.000	0.000#	0.0	0#	-20.71#
83	T	Endrin Ketone	0.040	0.032#	20.0	61	-0.05
84	T	Methoxychlor	0.626	0.565	9.7	68	-0.05
85	I	Chrysene-D12	1.000	1.000	0.0	67	-0.05
86	TM	Pyrene	1.500	1.822	-21.5#	83	-0.05
87	TM	Butylbenzylphthalate	0.709	0.805	-13.5	76	-0.05
88	TM	Benzo[a]anthracene	1.080	1.115	-3.2	67	-0.05
89	TM	3,3'-Dichlorobenzidine	0.131	0.124	5.3	73	-0.04
90	TM	Chrysene	1.055	1.084	-2.7	67	-0.05
91	TM	Bis(2-ethylhexyl)phthalate	0.918	0.983	-7.1	70	-0.05
92	S	4-Terphenyl-d14 (surr)	1.000	1.226	-22.6#	83	-0.05
93	I	Perylene-D12	1.000	1.000	0.0	55	-0.07
94	TMC	Di-n-octylphthalate	2.178	2.542	-16.7	66	-0.06
95	TM	Benzo[b]fluoranthene	1.212	1.339	-10.5	59	-0.06
96	TM	Benzo[k]fluoranthene	1.361	1.511	-11.0	58	-0.06
97	TMC	Benzo[a]pyrene	0.961	1.127	-17.3	63	-0.06
98	TM	Indeno(1,2,3-c,d)pyrene	0.409	0.670	-63.8#	91	-0.10
99	TM	Dibenzo[a,h]anthracene	0.399	0.693	-73.7#	89	-0.09
100	TM	Benzo[g,h,i]perylene	0.571	0.730	-27.8#	67	-0.10

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708602.D Vial: 2
Acq On : 8 Jul 2005 2:29 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 9:42 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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

m 07.12.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.17	152	190008	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	759114	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.88	164	431689	4.00	ug/mL	-0.05
55) Phenanthrene-D10	14.26	188	656771	4.00	ug/mL	-0.05
85) Chrysene-D12	18.51	240	372494	4.00	ug/mL	-0.05
93) Perylene-D12	20.85	264	200806	4.00	ug/mL	-0.07
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.37	112	298790	6.19	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	61.90%	
17) Phenol-d6 (surr)	6.66	99	484618	6.43	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	64.30%	
32) Nitrobenzene-d5 (surr)	8.00	128	170886	6.35	ug/mL	-0.05
Spiked Amount 10.000			Recovery	=	63.50%	
53) 2-Fluorobiphenyl (surr)	10.82	172	752759	6.22	ug/mL	-0.05
Spiked Amount 10.000			Recovery	=	62.20%	
54) 2,4,6-Tribromophenol (surr	13.15	330	82016	6.49	ug/mL	-0.05
Spiked Amount 10.000			Recovery	=	64.90%	
92) 4-Terphenyl-d14 (surr)	16.86	244	684961	7.35	ug/mL	-0.05
Spiked Amount 10.000			Recovery	=	73.50%	
Target Compounds						Qvalue
2) Pyridine	3.78	79	229150m	5.76	ug/mL	
3) N-Nitrosodimethylamine	3.77	74	214046	6.75	ug/mL	97
4) Phenol	6.68	94	549751	6.44	ug/mL	94
5) Bis(2-chloroethyl)ether	6.81	93	438806	6.61	ug/mL	99
6) 2-Chlorophenol	6.87	128	390544	6.22	ug/mL	99
7) Benzyl Alcohol	7.39	108	276079	6.32	ug/mL	96
8) 1,3-Dichlorobenzene	7.09	146	388604	6.26	ug/mL	93
9) 1,4-Dichlorobenzene	7.20	146	399808	6.27	ug/mL	99
10) 1,2-Dichlorobenzene	7.42	146	362504	6.30	ug/mL	96
11) 2-Methylphenol	7.56	107	320521	6.15	ug/mL	98
12) 3-, 4-Methylphenol	7.79	107	469288	6.21	ug/mL	97
13) Bis(2-chloroisopropyl)ethe	7.60	45	498286	6.38	ug/mL	97
14) N-Nitrosodi-n-propylamine	7.80	70	245636	6.20	ug/mL#	95
15) Hexachloroethane	7.92	117	155267	6.16	ug/mL	96
19) Nitrobenzene	8.03	77	470976	6.30	ug/mL	99
20) Isophorone	8.40	82	663725	6.01	ug/mL	98
21) 2-Nitrophenol	8.52	139	205410	5.92	ug/mL	92
22) 2,4-Dimethylphenol	8.60	122	302096	6.07	ug/mL	93
23) Benzoic Acid	8.78	122	205178	6.09	ug/mL	99
24) Bis(2-chloroethoxy)methane	8.75	93	453095	6.21	ug/mL	97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708602.D
Acq On : 8 Jul 2005 2:29 pm
Sample : SVCVS6
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jul 12 9:42 2005

Vial: 2
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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	318839	6.33 ug/mL	98
26)	1,2,4-Trichlorobenzene	9.01	180	321081	6.04 ug/mL	97
27)	Naphthalene	9.13	128	1030979	6.23 ug/mL	98
28)	4-Chloroaniline	9.27	127	128111	5.10 ug/mL#	93
29)	Hexachlorobutadiene	9.35	225	206155	6.14 ug/mL	97
30)	4-Chloro-3-methylphenol	10.02	107	394935	6.64 ug/mL	98
31)	2-Methylnaphthalene	10.22	142	745622	6.32 ug/mL	99
34)	Hexachlorocyclopentadiene	10.49	237	88111	5.73 ug/mL	91
35)	2,4,6-Trichlorophenol	10.69	196	239707	6.27 ug/mL	100
36)	2,4,5-Trichlorophenol	10.73	196	264231	6.64 ug/mL	98
37)	2-Chloronaphthalene	11.00	162	677121	6.36 ug/mL	99
38)	2-Nitroaniline	11.18	65	249691	6.36 ug/mL	98
39)	3-Nitroaniline	11.86	138	30187	2.65 ug/mL#	81
40)	1-Methylnaphthalene	10.38	142	670174	6.33 ug/mL	100
41)	Dimethylphthalate	11.50	163	799364	6.34 ug/mL	99
42)	Acenaphthylene	11.65	152	906000	6.54 ug/mL	100
43)	2,6-Dinitrotoluene	11.58	165	174251	6.27 ug/mL	93
44)	Acenaphthene	11.94	153	598677	6.28 ug/mL	97
45)	2,4-Dinitrophenol	12.03	184	100524	6.25 ug/mL	99
46)	4-Nitrophenol	12.14	109	118428	6.54 ug/mL	96
47)	Dibenzofuran	12.22	168	984595	6.38 ug/mL	100
48)	2,4-Dinitrotoluene	12.22	165	221232	6.32 ug/mL	94
49)	Fluorene	12.76	166	736395	6.42 ug/mL	99
50)	Diethylphthalate	12.64	149	705761	6.06 ug/mL	100
51)	4-Chlorophenyl phenyl ethe	12.79	204	369093	6.22 ug/mL	94
52)	4-Nitroaniline	12.84	138	88244m	5.88 ug/mL	
56)	4,6-Dinitro-2-methylphenol	12.87	198	133128	5.59 ug/mL	97
57)	Diphenylamine	12.98	169	374569	5.47 ug/mL	98
58)	4-bromophenyl phenyl ether	13.57	248	210273	6.30 ug/mL	93
59)	Hexachlorobenzene	13.65	284	189025	5.77 ug/mL	98
60)	Pentachlorophenol	13.98	266	137516	5.70 ug/mL	98
61)	Phenanthrene	14.30	178	1011062	6.22 ug/mL	98
62)	Carbazole	14.66	167	335332	2.82 ug/mL	95
63)	Anthracene	14.38	178	972479	6.41 ug/mL	100
64)	Azobenzene	13.04	77	879137	6.13 ug/mL	99
65)	Di-n-Butylphthalate	15.28	149	1163754	5.96 ug/mL	99
66)	Fluoranthene	16.21	202	1047578	6.13 ug/mL	98
67)	alpha-BHC	13.58	183	150252	5.80 ug/mL	100
68)	beta-BHC	13.92	181	122359	5.66 ug/mL	97
69)	gamma-BHC	14.06	183	128555	5.82 ug/mL	97
70)	delta-BHC	14.42	183	121212	5.79 ug/mL	97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708602.D Vial: 2
Acq On : 8 Jul 2005 2:29 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 9:42 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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

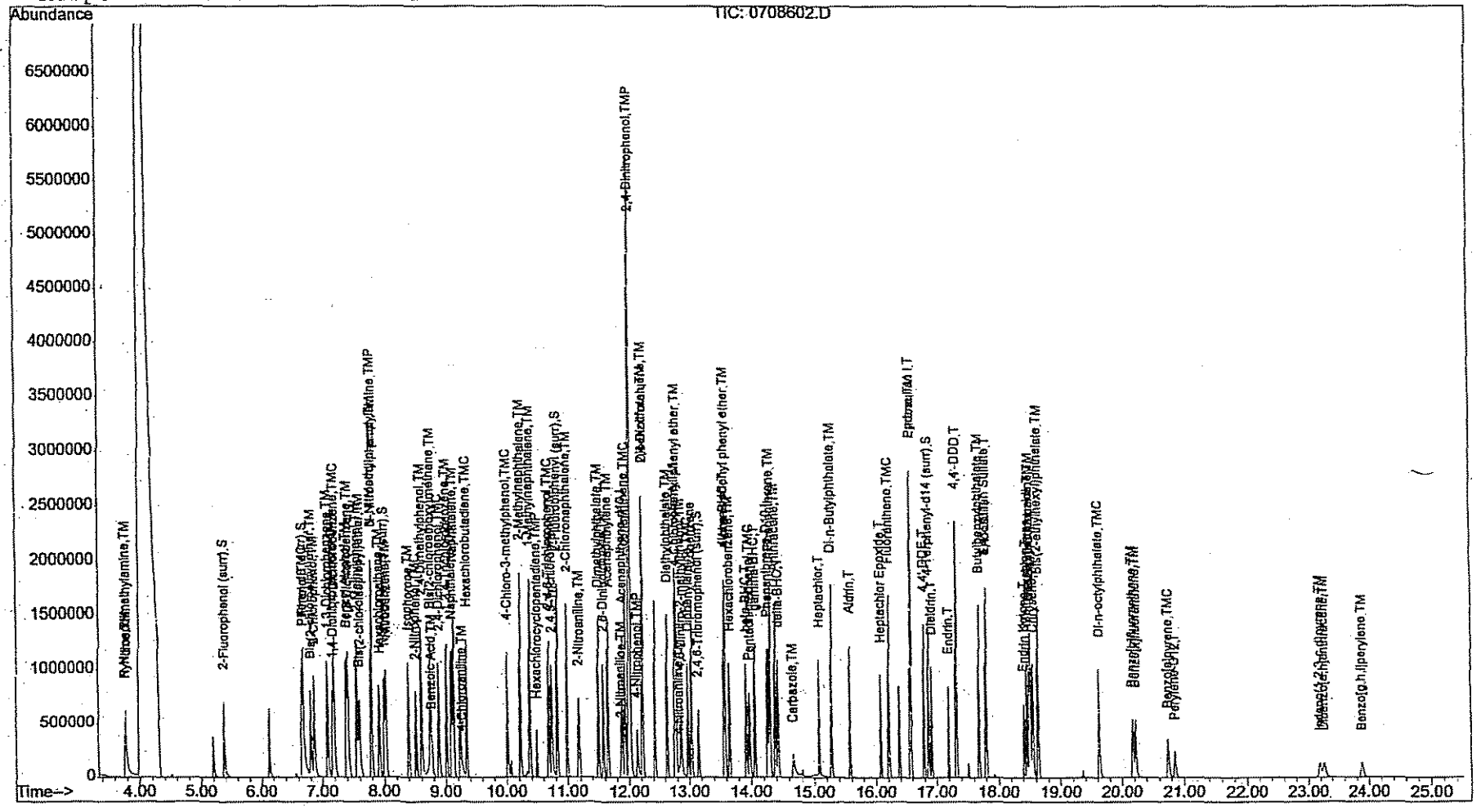
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Heptachlor	15.08	100	144981	5.89	ug/mL	97
72)	Aldrin	15.57	66	158651	5.58	ug/mL	100
73)	Heptachlor Epoxide	16.08	353	50388	5.86	ug/mL	93
74)	Endosulfan I	16.57	195	42582	5.98	ug/mL#	89
75)	4,4'-DDE	16.79	246	230382	5.74	ug/mL	97
76)	Dieldrin	16.92	79	194022	5.31	ug/mL	97
77)	Endrin	17.20	263	36104	5.73	ug/mL	100
78)	Endosulfan II	0.00	30	0	N.D.		
79)	4,4'-DDD	17.32	235	386032	5.74	ug/mL	100
80)	Endosulfan Sulfate	17.80	272	45417	5.12	ug/mL	97
81)	4,4'-DDT	17.80	235	301716	5.78	ug/mL	97
82)	Endrin Aldehyde	0.00	30	0	N.D.		
83)	Endrin Ketone	18.41	317	31280	4.81	ug/mL	98
84)	Methoxychlor	18.46	227	556169	5.41	ug/mL	100
86)	Pyrene	16.57	202	1018035	7.29	ug/mL	98
87)	Butylbenzylphthalate	17.69	149	449779	6.81	ug/mL	97
88)	Benzo[a]anthracene	18.50	228	623137	6.20	ug/mL	98
89)	3,3'-Dichlorobenzidine	18.49	252	69449	5.94	ug/mL#	89
90)	Chrysene	18.56	228	605687	6.17	ug/mL	96
91)	Bis(2-ethylhexyl)phthalate	18.63	149	549263	6.43	ug/mL	99
94)	Di-n-octylphthalate	19.63	149	765557	7.00	ug/mL	100
95)	Benzo[b]fluoranthene	20.18	252	403264	6.63	ug/mL	95
96)	Benzo[k]fluoranthene	20.23	252	455253	6.66	ug/mL	95
97)	Benzo[a]pyrene	20.75	252	339440	7.04	ug/mL	96
98)	Indeno(1,2,3-c,d)pyrene	23.19	276	201757	8.20	ug/mL	98
99)	Dibenzo[a,h]anthracene	23.26	278	208785	8.40	ug/mL	97
100)	Benzo[g,h,i]perylene	23.89	276	219898	7.21	ug/mL	96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6070805\0708602.D Vial: 2
Acq On : 8 Jul 2005 2:29 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 9:42 2005 Quant Results File: 8270.RES

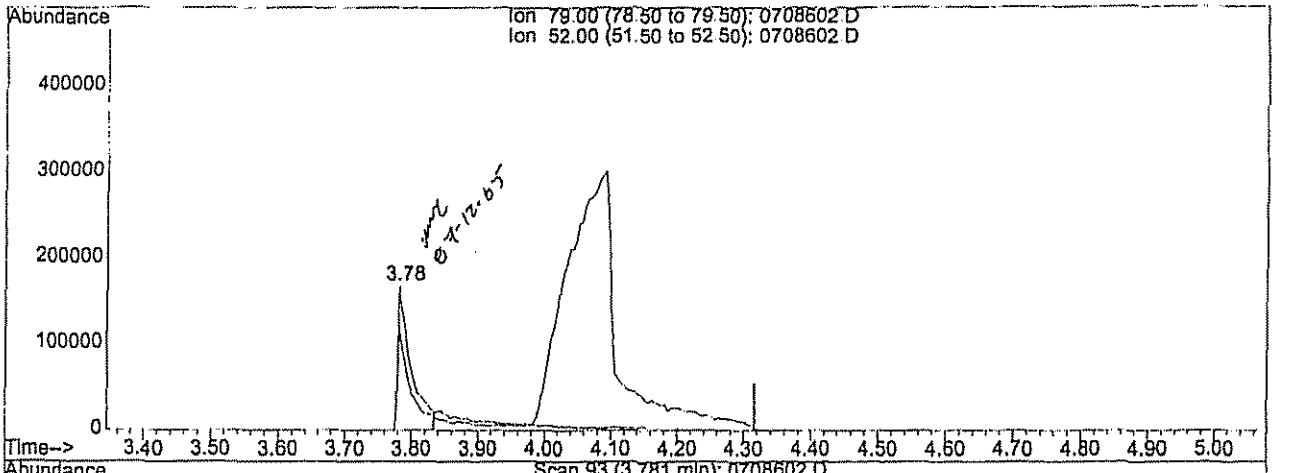
Method : C:\HPCHEM\1\DATA\6070805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Tue Jun 28 11:27:51 2005
Response via : Initial Calibration

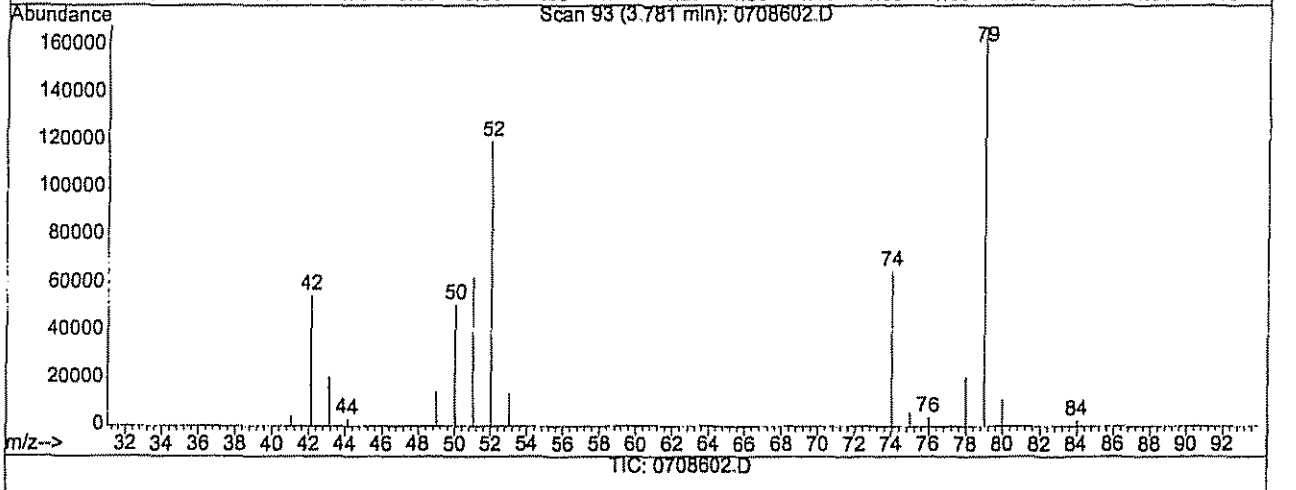


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6070805\0708602.D Vial: 2
Acq On : 8 Jul 2005 2:29 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 9:41 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6070805\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





(2) Pyridine (TM)

3.78min 5.76ug/mL m

response 229150

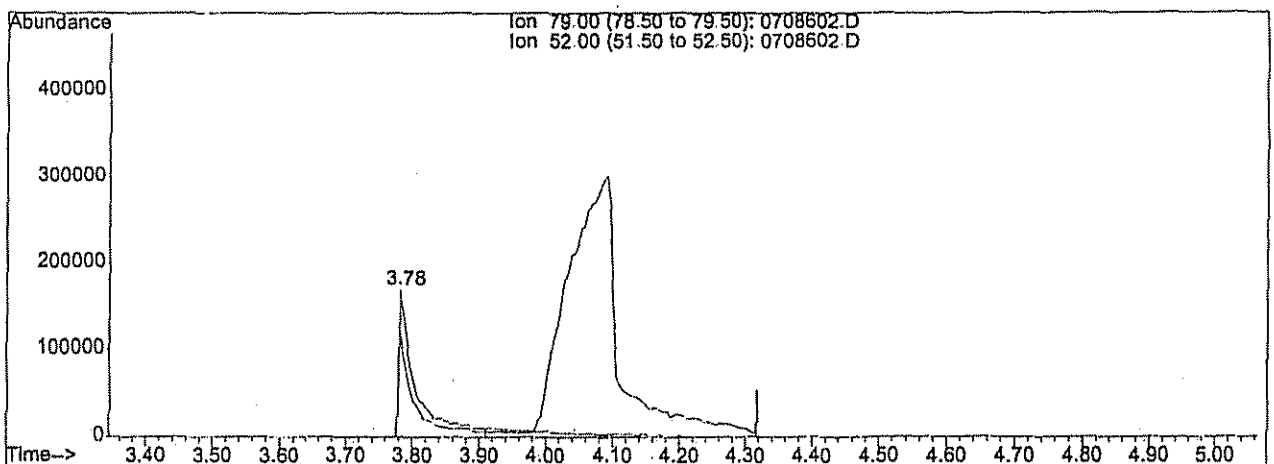
Ion	Exp%	Act%
79.00	100	100
52.00	59.70	74.51#
0.00	0.00	0.00
0.00	0.00	0.00

0708602.D 8270.M Tue Jul 12 09:41:58 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6070805\0708602.D Vial: 2
Acq On : 8 Jul 2005 2:29 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 8 14:55 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6070805\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



TIC: 0708602.D

(2) Pyridine (TM)

3.78min 7.23ug/mL

response 293995

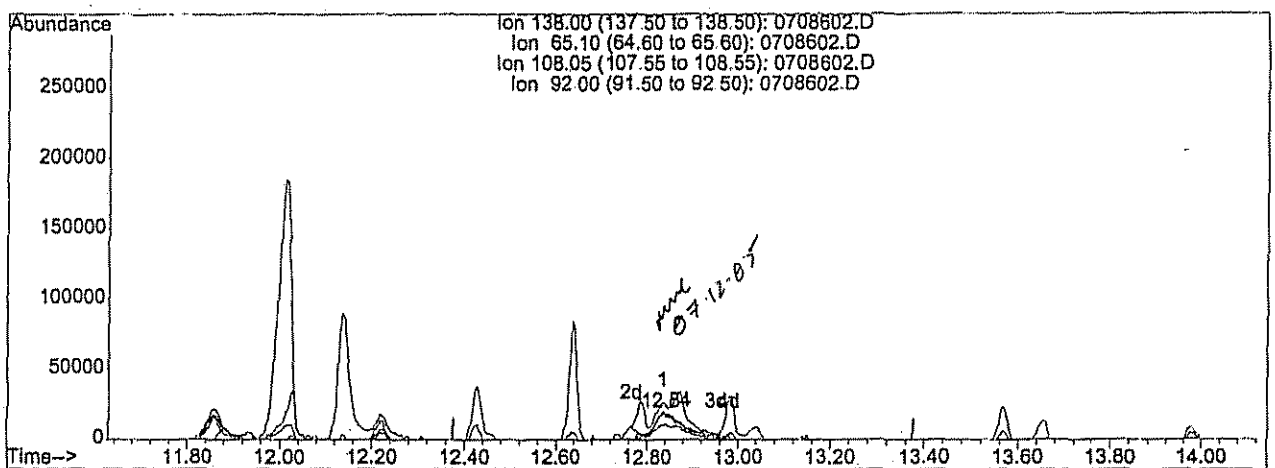
Ion	Exp%	Act%
79.00	100	100
52.00	59.70	58.08
0.00	0.00	0.00
0.00	0.00	0.00

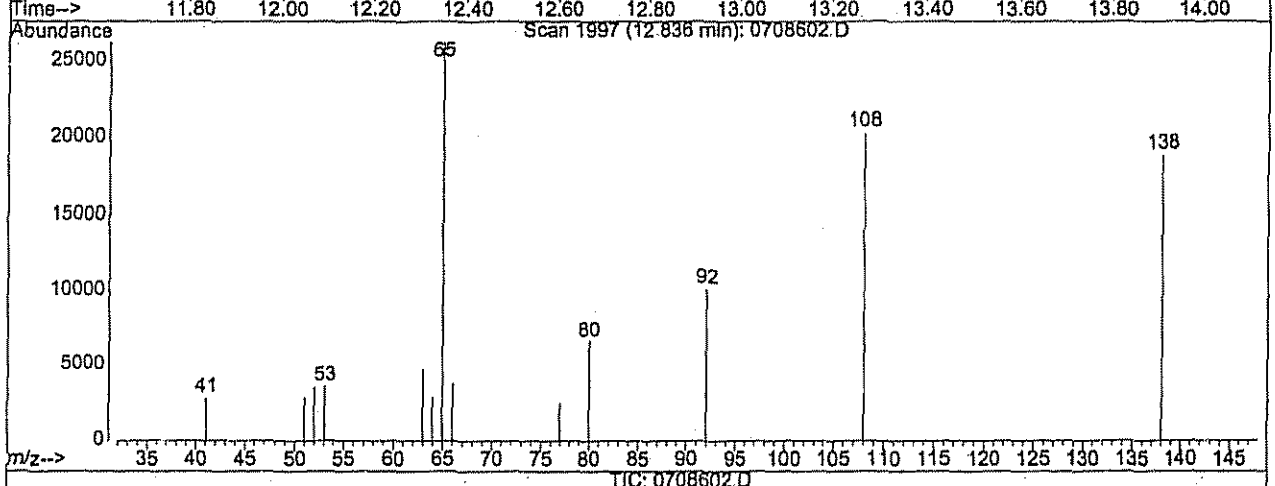
0708602.D 8270.M Tue Jul 12 09:41:53 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6070805\0708602.D Vial: 2
Acq On : 8 Jul 2005 2:29 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 9:42 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6070805\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





TIC: 0708602.D

(52) 4-Nitroaniline (TM)

12.84min 5.88ug/mL m

response 88244

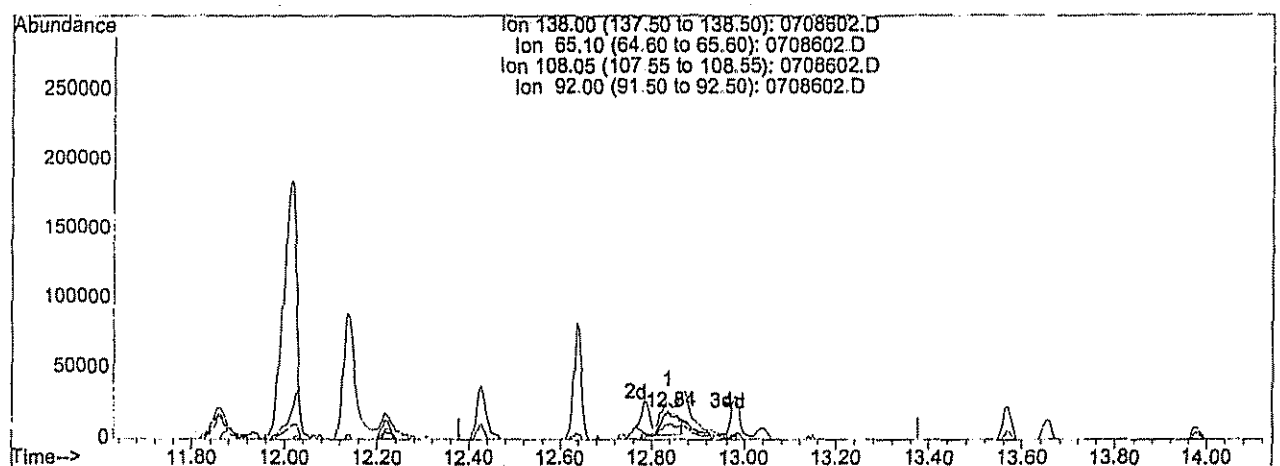
Ion	Exp%	Act%
138.00	100	100
65.10	102.50	139.08#
108.05	90.70	107.66
92.00	54.20	53.58

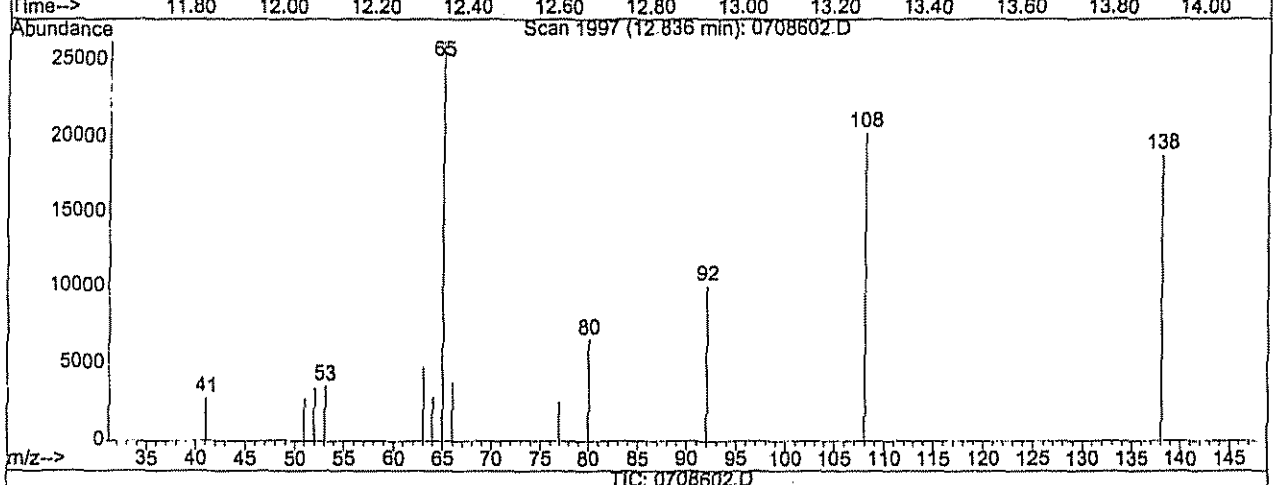
0708602.D 8270.M Tue Jul 12 09:42:16 2005 , ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6070805\0708602.D Vial: 2
Acq On : 8 Jul 2005 2:29 pm Operator: MRC
Sample : SVCVS6 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 9:41 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6070805\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





(52) 4-Nitroaniline (TM)

12.84min 2.69ug/mL

response 40390

Ion	Exp%	Act%
138.00	100	100
65.10	102.50	35.48#
108.05	90.70	111.65#
92.00	54.20	38.69#

0708602.D 8270.M Tue Jul 12 09:42:12 2005 ENV

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

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

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

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

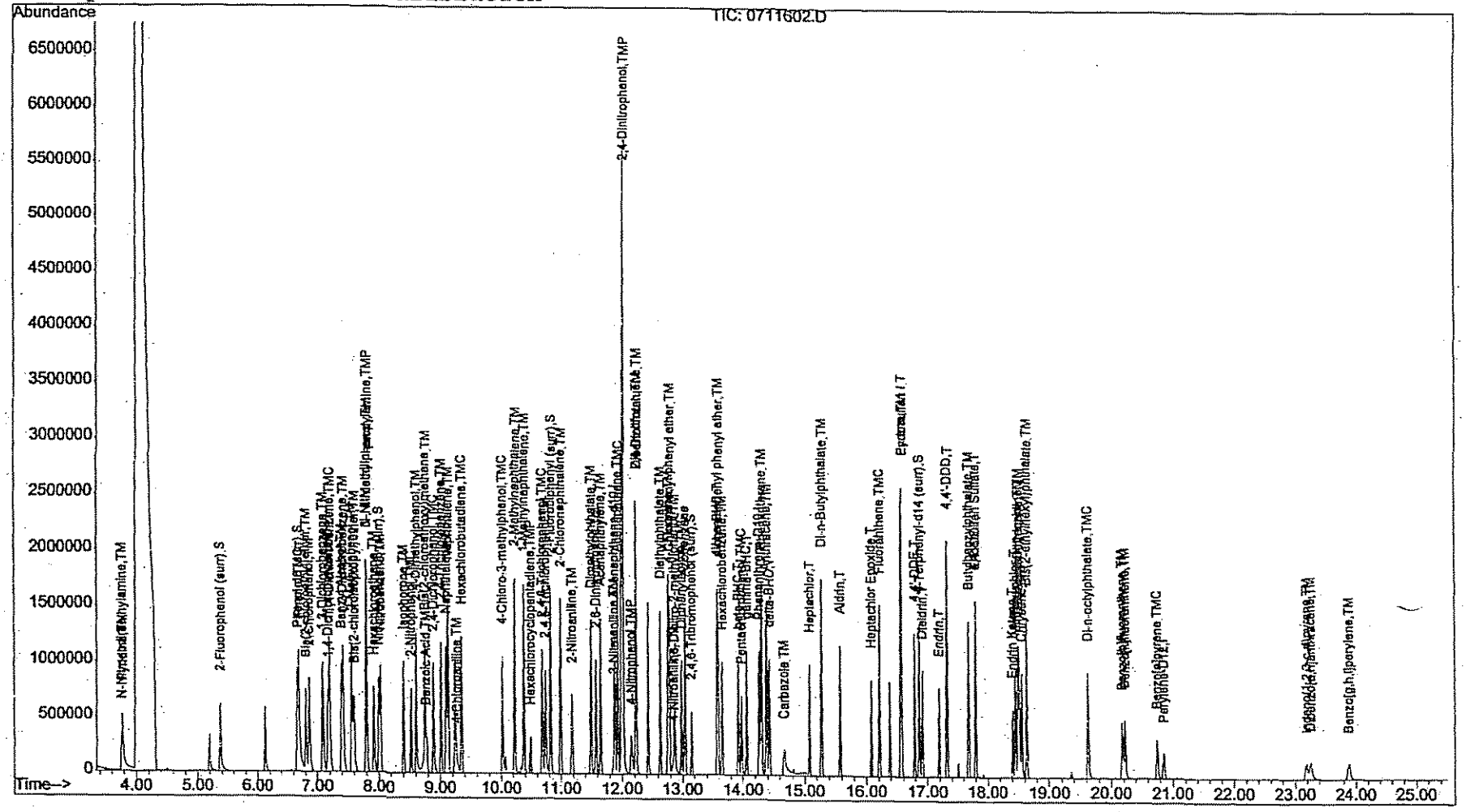
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6071105\0711602.D
Acq On : 11 Jul 2005 2:54 pm
Sample : SVCVS6
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jul 11 15:20 2005

Vial: 2
Operator: MRC
Inst : MSD6
Multiplr: 1.00

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



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\DATA\7071305\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	107	-0.08
2	T	Pyridine	0.777	0.733	5.7	99	-0.14
3	T	N-Nitrosodimethylamine	0.579	0.625	-7.9	109	-0.18
4	TCM	Phenol	1.560	1.437	7.9	91	-0.10
5	TM	Bis(2-chloroethyl)ether	1.212	1.112	8.3	96	-0.10
6	TM	2-Chlorophenol	1.231	1.284	-4.3	106	-0.08
7	TM	Benzyl Alcohol	0.733	0.787	-7.4	104	-0.09
8	TM	1,3-Dichlorobenzene	1.295	1.382	-6.7	108	-0.09
9	TCM	1,4-Dichlorobenzene	1.361	1.460	-7.3	109	-0.09
10	TM	1,2-Dichlorobenzene	1.214	1.308	-7.7	108	-0.08
11	TM	2-Methylphenol	0.911	0.992	-8.9	105	-0.09
12	TM	3-, 4-Methylphenol	1.293	1.342	-3.8	103	-0.10
13	TM	Bis(2-chloroisopropyl)ether	1.735	1.963	-13.1	113	-0.07
14	TPM	N-Nitrosodi-n-propylamine	0.628	0.689	-9.7	111	-0.10
15	TM	Hexachloroethane	0.430	0.498	-15.8	113	-0.09
16	S	2-Fluorophenol (surr)	0.921	0.981	-6.5	105	-0.09
17	S	Phenol-d6 (surr)	1.354	1.390	-2.7	102	-0.10
18	I	Naphthalene-D8	1.000	1.000	0.0	107	-0.09
19	TM	Nitrobenzene	0.275	0.292	-6.2	105	-0.10
20	TM	Isophorone	0.430	0.454	-5.6	109	-0.10
21	TCM	2-Nitrophenol	0.166	0.171	-3.0	101	-0.09
22	TM	2,4-Dimethylphenol	0.250	0.245	2.0	96	-0.10
23	T	Benzoic Acid	0.141	0.109	22.7#	83	-0.19
24	TM	Bis(2-chloroethoxy)methane	0.318	0.334	-5.0	105	-0.10
25	TCM	2,4-Dichlorophenol	0.228	0.232	-1.8	98	-0.09
26	TM	1,2,4-Trichlorobenzene	0.249	0.266	-6.8	107	-0.09
27	TM	Naphthalene	0.806	0.857	-6.3	107	-0.10
28	TM	4-Chloroaniline	0.091	0.092	-1.1	140	0.01
29	TCM	Hexachlorobutadiene	0.123	0.136	-10.6	111	-0.09
30	TCM	4-Chloro-3-methylphenol	0.230	0.237	-3.0	101	-0.08
31	TM	2-Methylnaphthalene	0.614	0.640	-4.2	103	-0.09
32	S	Nitrobenzene-d5 (surr)	0.128	0.132	-3.1	102	-0.09
33	I	Acenaphthene-d10	1.000	1.000	0.0	107	-0.09
34	TPM	Hexachlorocyclopentadiene	0.072	0.068	5.6	89	-0.08
35	TCM	2,4,6-Trichlorophenol	0.323	0.334	-3.4	102	-0.09
36	TM	2,4,5-Trichlorophenol	0.353	0.372	-5.4	99	-0.07
37	TM	2-Chloronaphthalene	0.975	1.039	-6.6	106	-0.10
38	TM	2-Nitroaniline	0.265	0.267	-0.8	104	-0.09
39	TM	3-Nitroaniline	0.056	0.027	51.8#	113	-0.07

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\DATA\7071305\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	1.165	-4.1	103	-0.09
41	TM	Dimethylphthalate	1.113	1.174	-5.5	107	-0.10
42	TM	Acenaphthylene	1.434	1.585	-10.5	106	-0.09
43	TM	2,6-Dinitrotoluene	0.239	0.254	-6.3	103	-0.10
44	TCM	Acenaphthene	0.990	1.059	-7.0	106	-0.10
45	TPM	2,4-Dinitrophenol	0.134	0.133	0.7	97	-0.10
46	TPM	4-Nitrophenol	0.091	0.081	11.0	91	-0.03
47	TM	Dibenzofuran	1.477	1.505	-1.9	101	-0.10
48	TM	2,4-Dinitrotoluene	0.311	0.321	-3.2	102	-0.10
49	TM	Fluorene	1.081	1.119	-3.5	102	-0.10
50	TM	Diethylphthalate	1.094	1.167	-6.7	106	-0.10
51	TM	4-Chlorophenyl phenyl ether	0.513	0.535	-4.3	104	-0.09
52	TM	4-Nitroaniline	0.107	0.091	15.0	83	-0.04
53	S	2-Fluorobiphenyl (surr)	1.106	1.173	-6.1	105	-0.09
54	S	2,4,6-Tribromophenol (surr)	0.123	0.122	0.8	97	-0.10
55	I	Phenanthrene-D10	1.000	1.000	0.0	100	-0.09
56	TM	4,6-Dinitro-2-methylphenol	0.102	0.118	-15.7	102	-0.10
57	TCM	Diphenylamine	0.350	0.386	-10.3	118	-0.10
58	TM	4-bromophenyl phenyl ether	0.170	0.191	-12.4	101	-0.10
59	TM	Hexachlorobenzene	0.176	0.198	-12.5	106	-0.10
60	TCM	Pentachlorophenol	0.095	0.088	7.4	90	-0.09
61	TM	Phenanthrene	1.006	1.078	-7.2	100	-0.10
62	TM	Carbazole	0.388	0.000#	100.0#	0#	-13.79#
63	TM	Anthracene	0.966	1.034	-7.0	99	-0.10
64	T	Azobenzene	0.683	0.732	-7.2	101	-0.10
65	TM	Di-n-Butylphthalate	1.169	1.325	-13.3	104	-0.09
66	TCM	Fluoranthene	0.927	1.012	-9.2	101	-0.10
67	T	alpha-BHC	0.119	0.139	-16.8	108	-0.10
68	T	beta-BHC	0.102	0.118	-15.7	106	-0.10
69	T	gamma-BHC	0.106	0.121	-14.2	109	-0.10
70	T	delta-BHC	0.095	0.109	-14.7	105	-0.09
71	T	Heptachlor	0.122	0.146	-19.7	107	-0.09
72	T	Aldrin	0.125	0.142	-13.6	109	-0.09
73	T	Heptachlor Epoxide	0.052	0.058	-11.5	106	-0.10
74	T	Endosulfan I	0.031	0.037	-19.4	104	-0.10
75	T	4,4'-DDE	0.195	0.218	-11.8	104	-0.10
76	T	Dieldrin	0.166	0.184	-10.8	105	-0.09
77	T	Endrin	0.029	0.035	-20.7#	110	-0.10
78	T	Endosulfan II	0.000	0.000#	0.0	0#	-18.31#
79	T	4,4'-DDD	0.358	0.381	-6.4	99	-0.10

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\DATA\7071305\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	0.052	-13.0	100	-0.10
81	T	4,4'-DDT	0.247	0.305	-23.5#	108	-0.10
82	T	Endrin Aldehyde	0.000	0.000#	0.0	0#	-18.29#
83	T	Endrin Ketone	0.038	0.039	-2.6	97	-0.10
84	T	Methoxychlor	0.471	0.608	-29.1#	111	-0.10
85	I	Chrysene-D12	1.000	1.000	0.0	102	-0.10
86	TM	Pyrene	1.476	1.576	-6.8	103	-0.11
87	TM	Butylbenzylphthalate	0.822	0.833	-1.3	100	-0.10
88	TM	Benzo[a]anthracene	1.173	1.221	-4.1	101	-0.10
89	TM	3,3'-Dichlorobenzidine	0.131	0.083	36.6#	60	-0.08
90	TM	Chrysene	1.098	1.135	-3.4	101	-0.10
91	TM	Bis(2-ethylhexyl)phthalate	1.163	1.175	-1.0	99	-0.09
92	S	4-Terphenyl-d14 (surr)	1.000	1.004	-0.4	97	-0.10
93	I	Perylene-D12	1.000	1.000	0.0	90	-0.09
94	TCM	Di-n-octylphthalate	2.715	2.798	-3.1	93	-0.09
95	TM	Benzo[b]fluoranthene	1.289	1.255	2.6	85	-0.10
96	TM	Benzo[k]fluoranthene	1.390	1.523	-9.6	101	-0.10
97	TCM	Benzo[a]pyrene	1.041	1.102	-5.9	90	-0.10
98	TM	Indeno(1,2,3-c,d)pyrene	0.595	0.480	19.3	69	-0.15
99	TM	Dibenzo[a,h]anthracene	0.583	0.544	6.7	76	-0.14
100	TM	Benzo[g,h,i]perylene	0.686	0.666	2.9	79	-0.16

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 08:54:29 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071305\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 07.13.05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.25	152	241962	4.00 ug/mL	-0.08
18) Naphthalene-D8	8.16	136	975897	4.00 ug/mL	-0.09
33) Acenaphthene-d10	10.92	164	482481	4.00 ug/mL	-0.09
55) Phenanthrene-D10	13.28	188	734074	4.00 ug/mL	-0.09
85) Chrysene-D12	17.51	240	469051	4.00 ug/mL	-0.10
93) Perylene-D12	19.63	264	300197	4.00 ug/mL	-0.09
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	4.52	112	355977m	6.39 ug/mL	-0.09
Spiked Amount 10.000			Recovery	= 63.90%	
17) Phenol-d6 (surr)	5.83	99	504373	6.16 ug/mL	-0.10
Spiked Amount 10.000			Recovery	= 61.60%	
32) Nitrobenzene-d5 (surr)	7.09	128	192880	6.18 ug/mL	-0.09
Spiked Amount 10.000			Recovery	= 61.80%	
53) 2-Fluorobiphenyl (surr)	9.89	172	848951	6.37 ug/mL	-0.09
Spiked Amount 10.000			Recovery	= 63.70%	
54) 2,4,6-Tribromophenol (surr	12.19	330	88442	5.96 ug/mL	-0.10
Spiked Amount 10.000			Recovery	= 59.60%	
92) 4-Terphenyl-d14 (surr)	15.89	244	706559	6.03 ug/mL	-0.10
Spiked Amount 10.000			Recovery	= 60.30%	
Target Compounds					Qvalue
2) Pyridine	2.97	79	266132	5.66 ug/mL	85
3) N-Nitrosodimethylamine	2.98	74	226919	6.48 ug/mL	96
4) Phenol	5.85	94	521638	5.53 ug/mL	100
5) Bis(2-chloroethyl)ether	5.93	93	403692m	5.51 ug/mL	
6) 2-Chlorophenol	5.97	128	466037	6.26 ug/mL	99
7) Benzyl Alcohol	6.52	108	285780	6.04 ug/mL	97
8) 1,3-Dichlorobenzene	6.16	146	501462	6.40 ug/mL	98
9) 1,4-Dichlorobenzene	6.27	146	529733	6.44 ug/mL	98
10) 1,2-Dichlorobenzene	6.49	146	474706	6.47 ug/mL	98
11) 2-Methylphenol	6.71	107	359962	6.53 ug/mL	95
12) 3-, 4-Methylphenol	6.94	107	487159	6.23 ug/mL	97
13) Bis(2-chloroisopropyl)ethe	6.71	45	712552	6.79 ug/mL#	89
14) N-Nitrosodi-n-propylamine	6.91	70	250226	6.59 ug/mL	97
15) Hexachloroethane	6.97	117	180718	6.95 ug/mL	93
19) Nitrobenzene	7.12	77	427608	6.38 ug/mL	98
20) Isophorone	7.50	82	664867	6.34 ug/mL	100
21) 2-Nitrophenol	7.60	139	250976	6.19 ug/mL	95
22) 2,4-Dimethylphenol	7.73	122	357928	5.87 ug/mL	99
23) Benzoic Acid	8.00	122	159706	5.08 ug/mL#	7
24) Bis(2-chloroethoxy)methane	7.86	93	488613	6.30 ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 08:54:29 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071305\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	338881	6.10 ug/mL	98
26) 1,2,4-Trichlorobenzene	8.09	180	388654	6.39 ug/mL	98
27) Naphthalene	8.19	128	1255007	6.38 ug/mL	99
28) 4-Chloroaniline	8.44	127	135360m	6.52 ug/mL	
29) Hexachlorobutadiene	8.41	225	198620	6.63 ug/mL	97
30) 4-Chloro-3-methylphenol	9.16	107	346909	6.19 ug/mL	99
31) 2-Methylnaphthalene	9.28	142	937008	6.26 ug/mL	98
34) Hexachlorocyclopentadiene	9.55	237	48980	5.03 ug/mL	98
35) 2,4,6-Trichlorophenol	9.77	196	241773	6.22 ug/mL	99
36) 2,4,5-Trichlorophenol	9.84	196	269287	6.32 ug/mL	99
37) 2-Chloronaphthalene	10.04	162	752250	6.40 ug/mL	98
38) 2-Nitroaniline	10.27	65	193051	6.04 ug/mL	95
39) 3-Nitroaniline	10.97	138	19697	5.94 ug/mL#	80
40) 1-Methylnaphthalene	9.43	142	843482	6.25 ug/mL	98
41) Dimethylphthalate	10.59	163	850010	6.33 ug/mL	99
42) Acenaphthylene	10.69	152	1147402	6.63 ug/mL	99
43) 2,6-Dinitrotoluene	10.66	165	183924	6.39 ug/mL	98
44) Acenaphthene	10.97	153	766305	6.42 ug/mL	99
45) 2,4-Dinitrophenol	11.11	184	95953	5.93 ug/mL#	84
46) 4-Nitrophenol	11.36	109	58623m	5.33 ug/mL	
47) Dibenzofuran	11.26	168	1089266	6.11 ug/mL	98
48) 2,4-Dinitrotoluene	11.30	165	232005	6.19 ug/mL	95
49) Fluorene	11.80	166	810180	6.21 ug/mL	98
50) Diethylphthalate	11.72	149	844380	6.40 ug/mL	99
51) 4-Chlorophenyl phenyl ethe	11.84	204	387196	6.26 ug/mL	100
52) 4-Nitroaniline	11.99	138	65751m	5.10 ug/mL	
56) 4,6-Dinitro-2-methylphenol	11.95	198	130259	6.30 ug/mL#	89
57) Diphenylamine	12.04	169	424608	6.62 ug/mL	99
58) 4-bromophenyl phenyl ether	12.61	248	210105	6.72 ug/mL	93
59) Hexachlorobenzene	12.68	284	218345	6.77 ug/mL	97
60) Pentachlorophenol	13.03	266	96606	5.36 ug/mL	97
61) Phenanthrene	13.32	178	1186461	6.43 ug/mL	100
62) Carbazole	0.00	167	0	N.D. d	
63) Anthracene	13.40	178	1139099	6.43 ug/mL	100
64) Azobenzene	12.08	77	806061	6.43 ug/mL	95
65) Di-n-Butylphthalate	14.35	149	1459487	6.81 ug/mL	100
66) Fluoranthene	15.22	202	1113907	6.55 ug/mL	97
67) alpha-BHC	12.61	183	153059	7.02 ug/mL	98
68) beta-BHC	13.00	181	129901	6.97 ug/mL	97
69) gamma-BHC	13.09	183	133313	6.88 ug/mL	100
70) delta-BHC	13.49	183	120378	6.88 ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 08:54:29 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071305\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	160380	7.13 ug/mL	91
72)	Aldrin	14.57	66	156739	6.81 ug/mL	89
73)	Heptachlor Epoxide	15.08	353	64247	6.79 ug/mL	100
74)	Endosulfan I	15.57	195	40205	7.01 ug/mL	92
75)	4,4'-DDE	15.82	246	240580	6.72 ug/mL	99
76)	Dieldrin	15.91	79	202317	6.65 ug/mL	95
77)	Endrin	15.91	263	38912	7.37 ug/mL	85
78)	Endosulfan II	0.00	35	0	N.D.	
79)	4,4'-DDD	16.36	235	419932	6.40 ug/mL	100
80)	Endosulfan Sulfate	16.80	272	57489	6.79 ug/mL	92
81)	4,4'-DDT	16.82	235	336346	7.42 ug/mL	99
82)	Endrin Aldehyde	0.00	35	0	N.D.	
83)	Endrin Ketone	17.39	317	42817	6.22 ug/mL	99
84)	Methoxychlor	17.49	227	669462	7.74 ug/mL	82
86)	Pyrene	15.57	202	1108942	6.41 ug/mL	95
87)	Butylbenzylphthalate	16.73	149	586093	6.08 ug/mL	94
88)	Benzo[a]anthracene	17.50	228	858739	6.24 ug/mL	98
89)	3,3'-Dichlorobenzidine	17.54	252	58350	4.67 ug/mL#	97
90)	Chrysene	17.55	228	798662	6.21 ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	17.70	149	827032	6.07 ug/mL	100
94)	Di-n-octylphthalate	18.68	149	1260002	6.18 ug/mL	100
95)	Benzo[b]fluoranthene	19.10	252	565076	5.84 ug/mL	98
96)	Benzo[k]fluoranthene	19.14	252	685750	6.58 ug/mL	98
97)	Benzo[a]pyrene	19.55	252	496187	6.35 ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	21.39	276	216075m	5.00 ug/mL	
99)	Dibenzo[a,h]anthracene	21.44	278	244767	5.37 ug/mL	99
100)	Benzo[g,h,i]perylene	21.90	276	299751	5.82 ug/mL	99

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

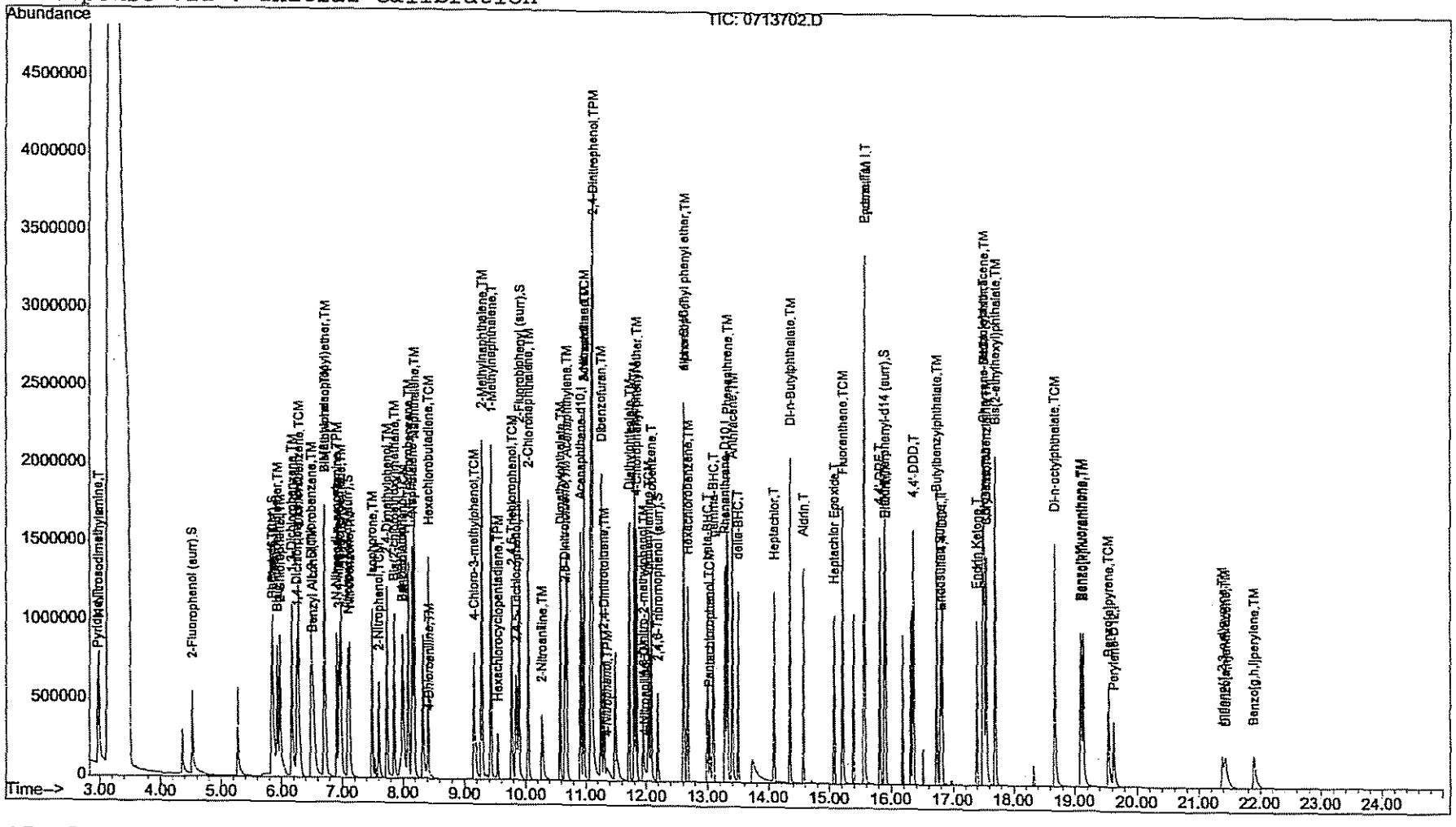
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D
Acq On : 13 Jul 2005 8:29 am
Sample : SVCVS6
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 13 9:01 2005

Vial: 2
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7071305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

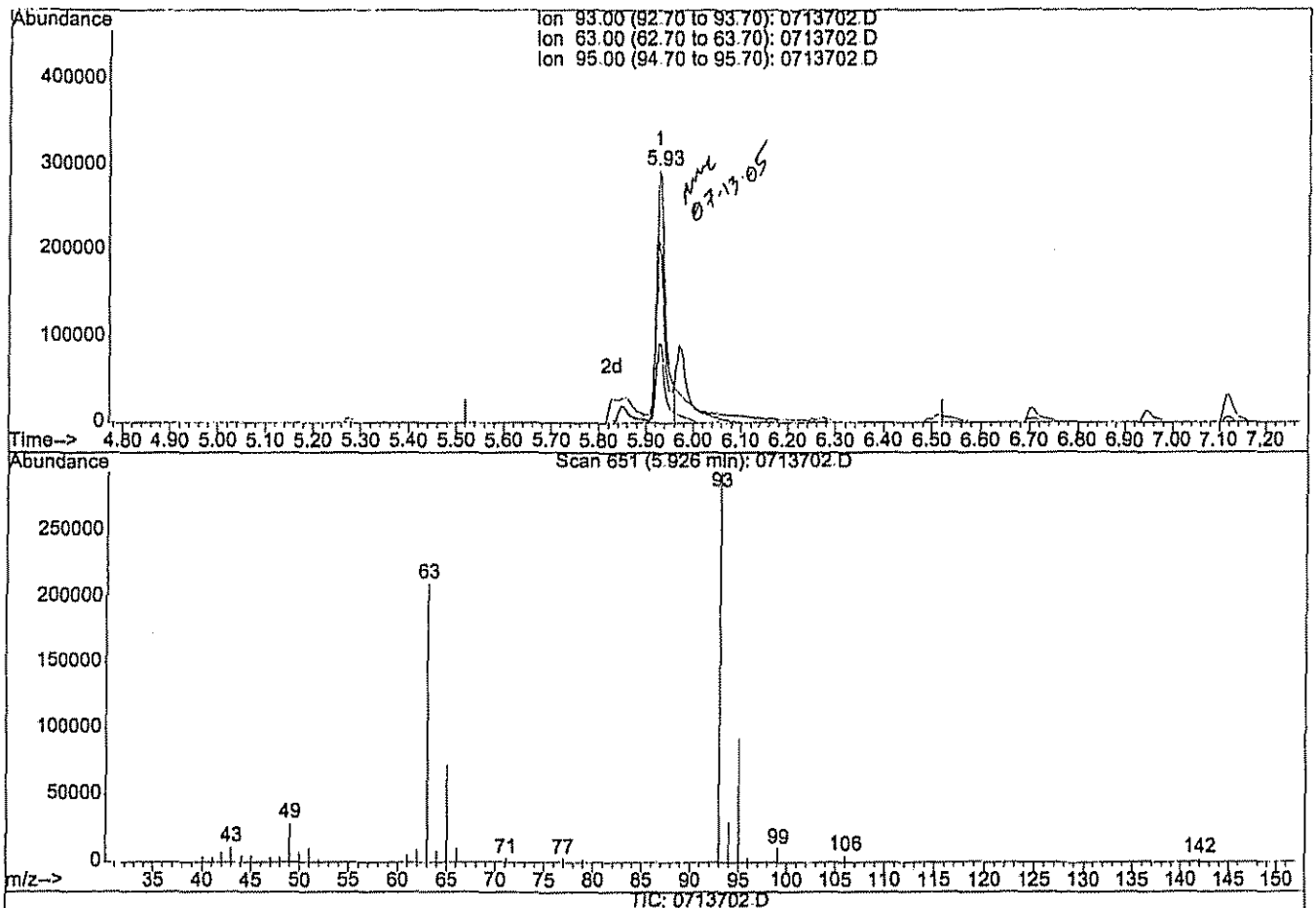


0713702.D 8270.M Wed Jul 13 09:02:41 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 9:00 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071305\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



(5) Bis(2-chloroethyl)ether (TM)

5.93min 5.51ug/mL m

response 403692

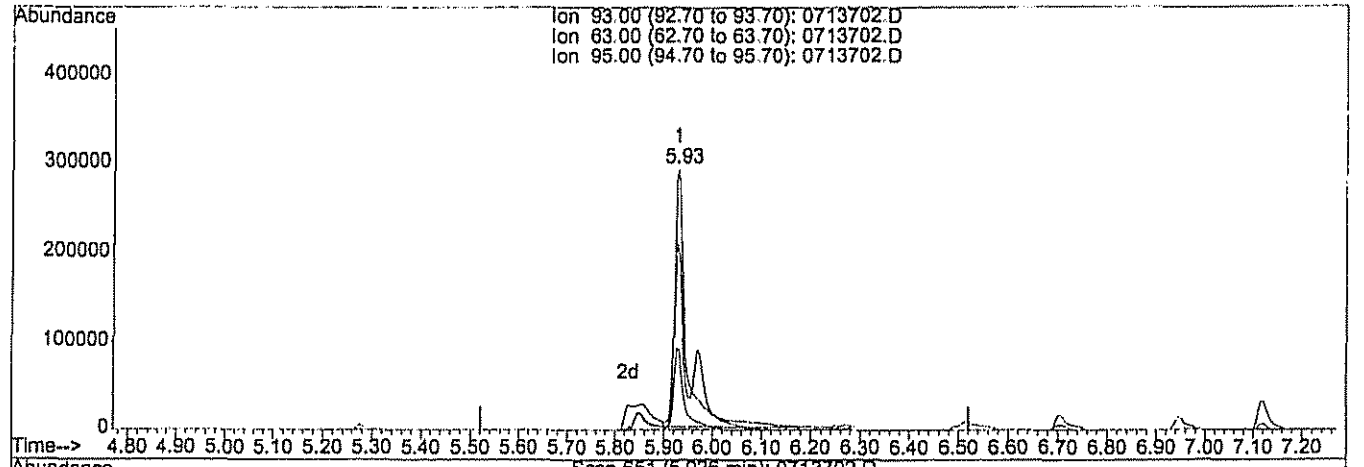
Ion	Exp%	Act%
93.00	100	100
63.00	69.40	71.56
95.00	31.60	31.70
0.00	0.00	0.00

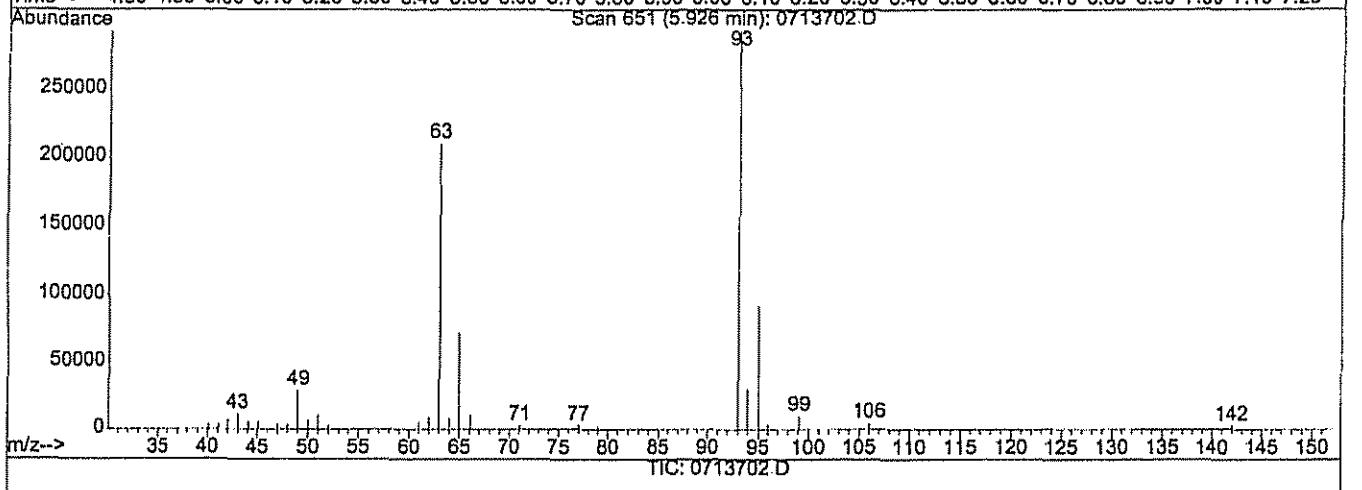
0713702.D 8270.M Wed Jul 13 09:00:10 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 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\7071305\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: 0713702.D

(5) Bis(2-chloroethyl)ether (TM)

5.93min 6.83ug/mL

response 500603

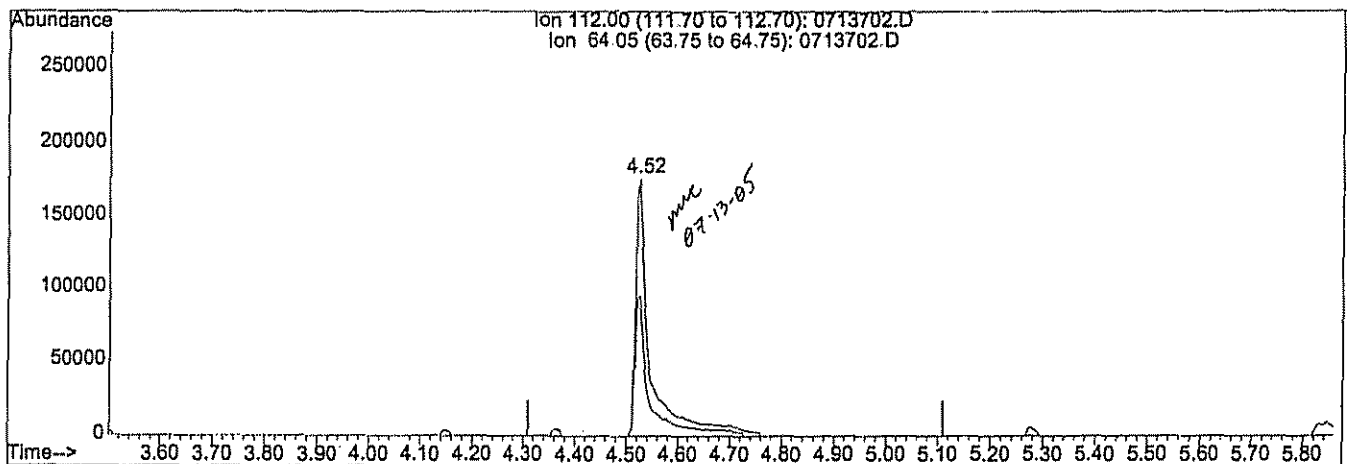
Ion	Exp%	Act%
93.00	100	100
63.00	69.40	72.36
95.00	31.60	32.05
0.00	0.00	0.00

0713702.D 8270.M Wed Jul 13 08:59:58 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 9:00 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071305\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: 0713702.D

(16) 2-Fluorophenol (surr) (S)

4.52min 6.39ug/mL m

response 355977

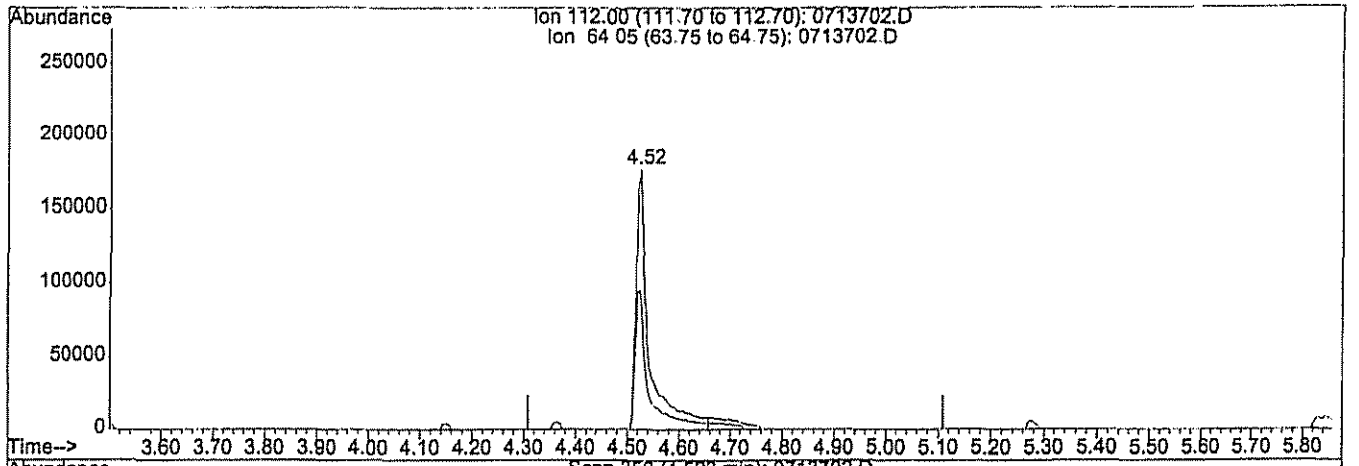
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	49.34
0.00	0.00	0.00
0.00	0.00	0.00

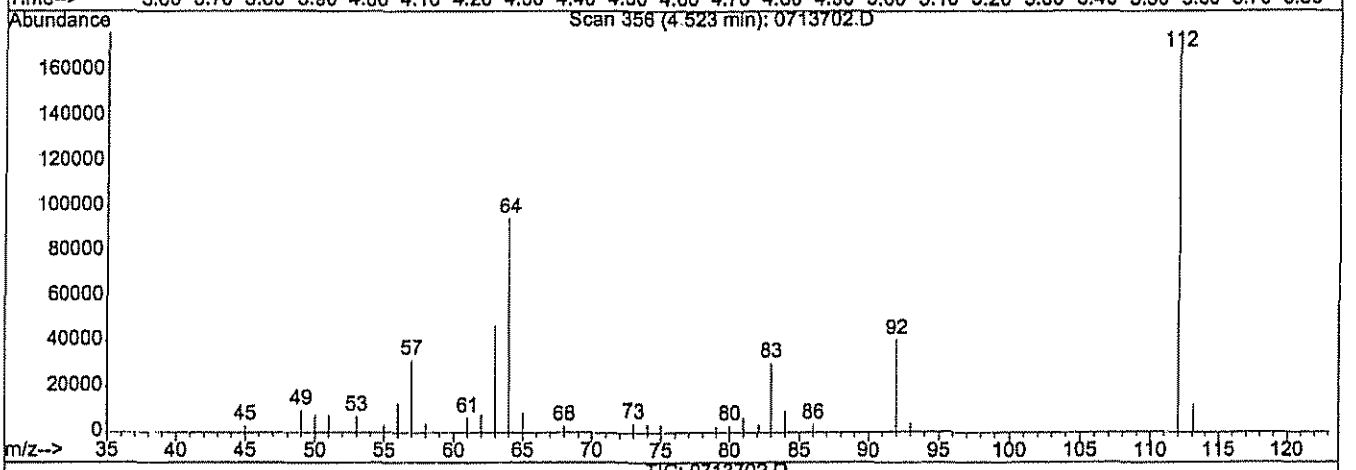
0713702.D 8270.M Wed Jul 13 09:00:24 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 9:00 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071305\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 5.80ug/mL

response 322730

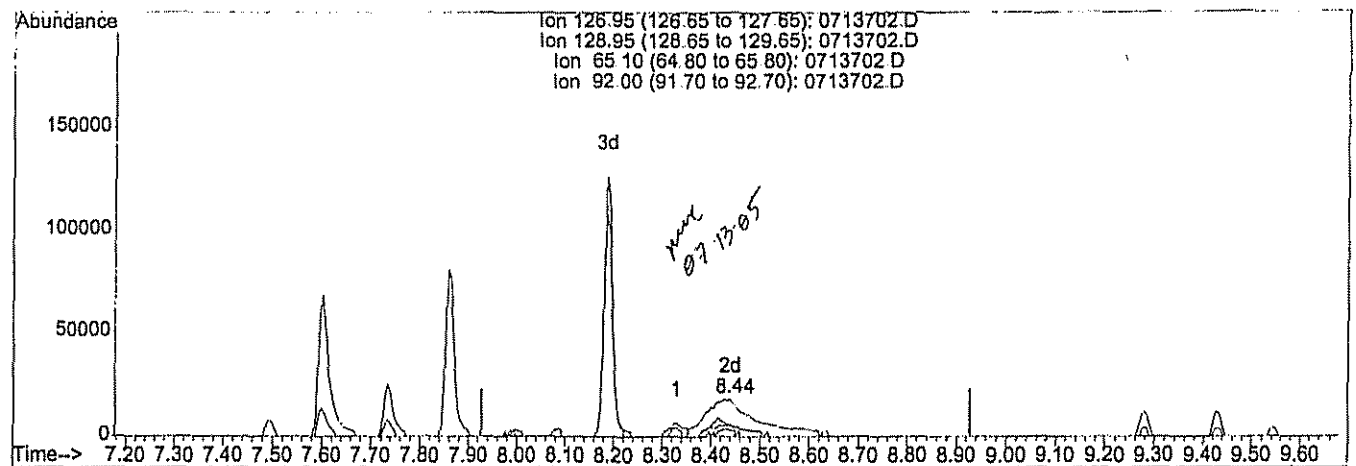
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	54.42
0.00	0.00	0.00
0.00	0.00	0.00

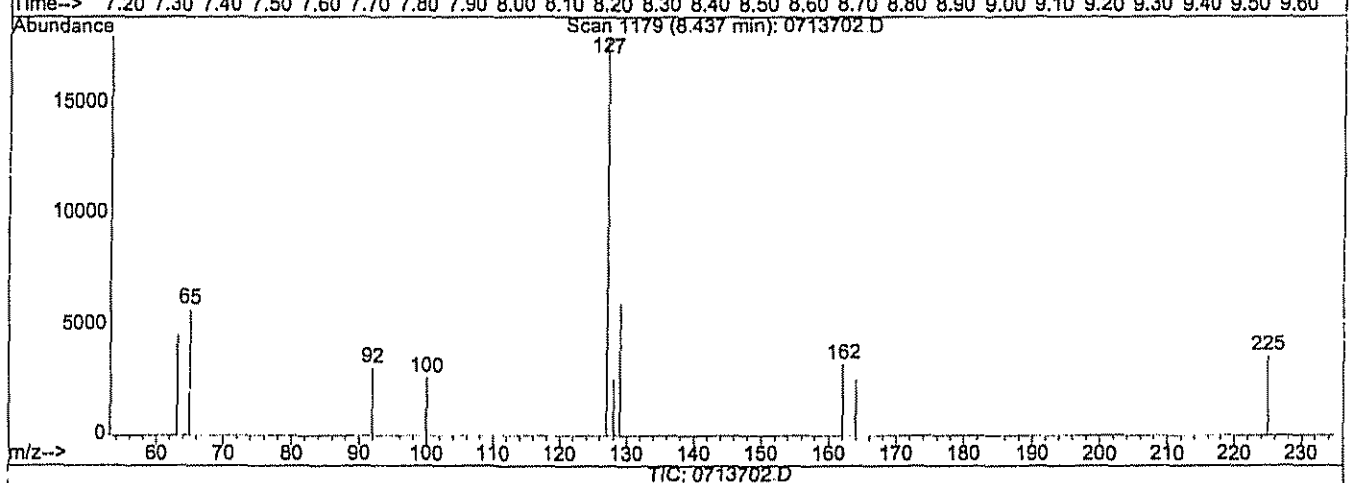
0713702.D 8270.M Wed Jul 13 09:00:20 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 9:00 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071305\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)

8.44min 6.52ug/mL m

response 135360

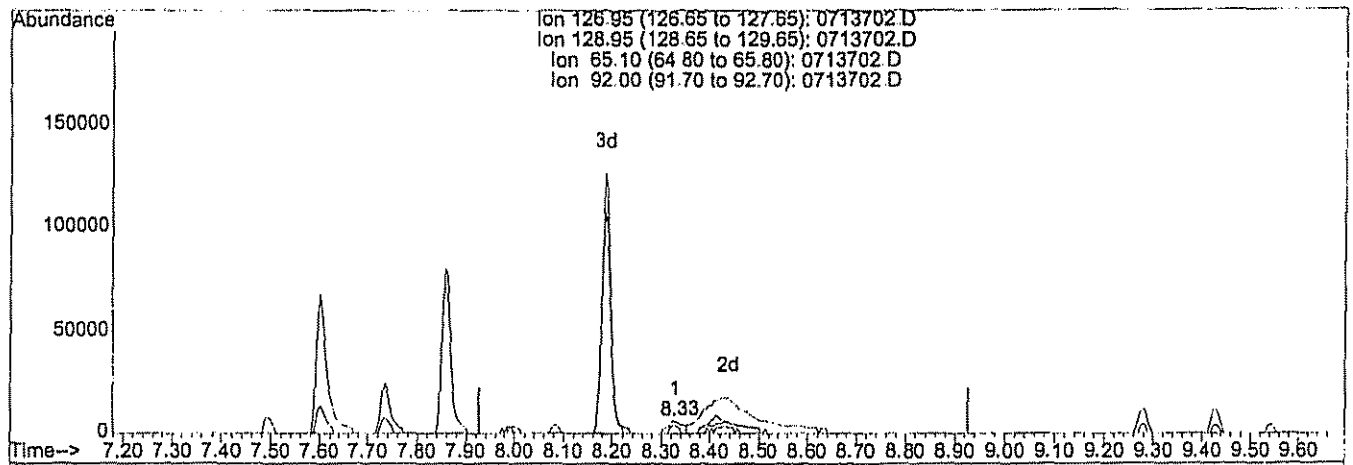
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	33.43
65.10	28.40	31.65
92.00	16.90	16.77

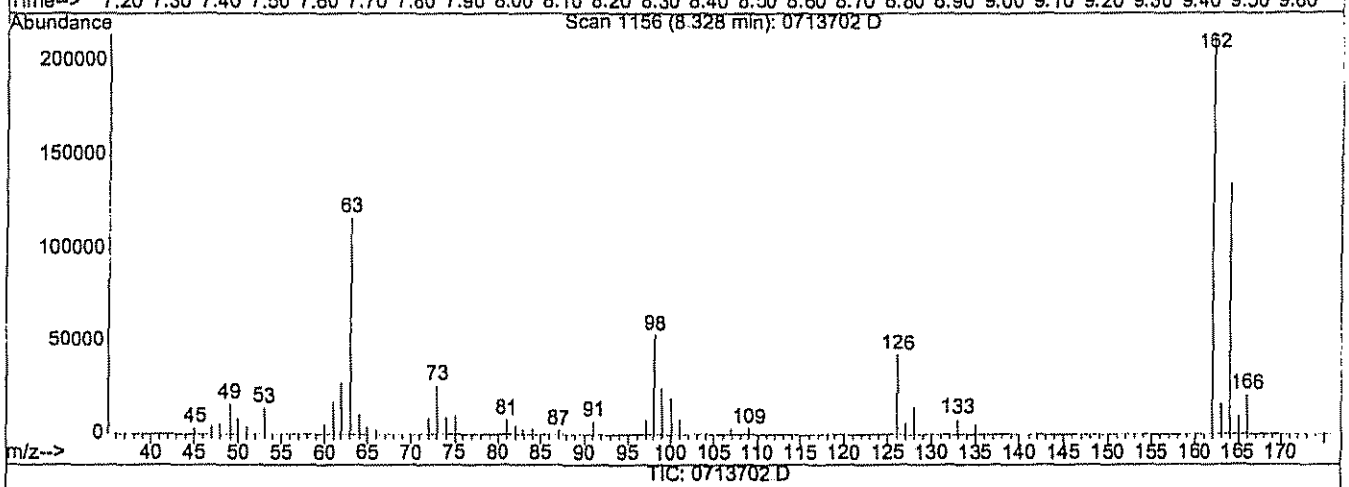
0713702.D 8270.M Wed Jul 13 09:00:39 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 9:00 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071305\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: 0713702.D

(28) 4-Chloroaniline (TM)

8.33min 1.68ug/mL

response 14531

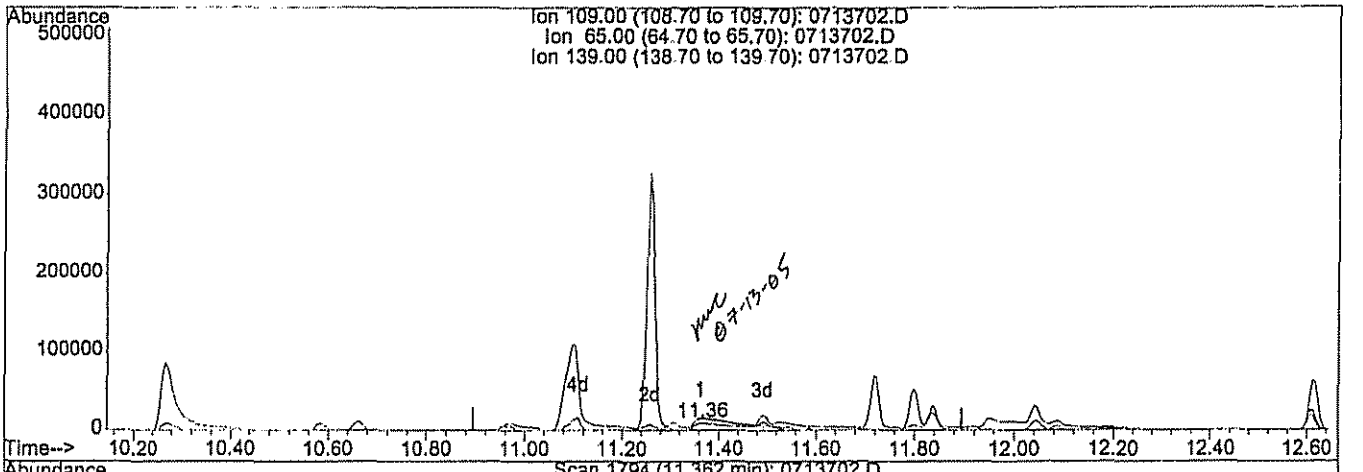
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	0.00#
65.10	28.40	65.69#
92.00	16.90	0.00#

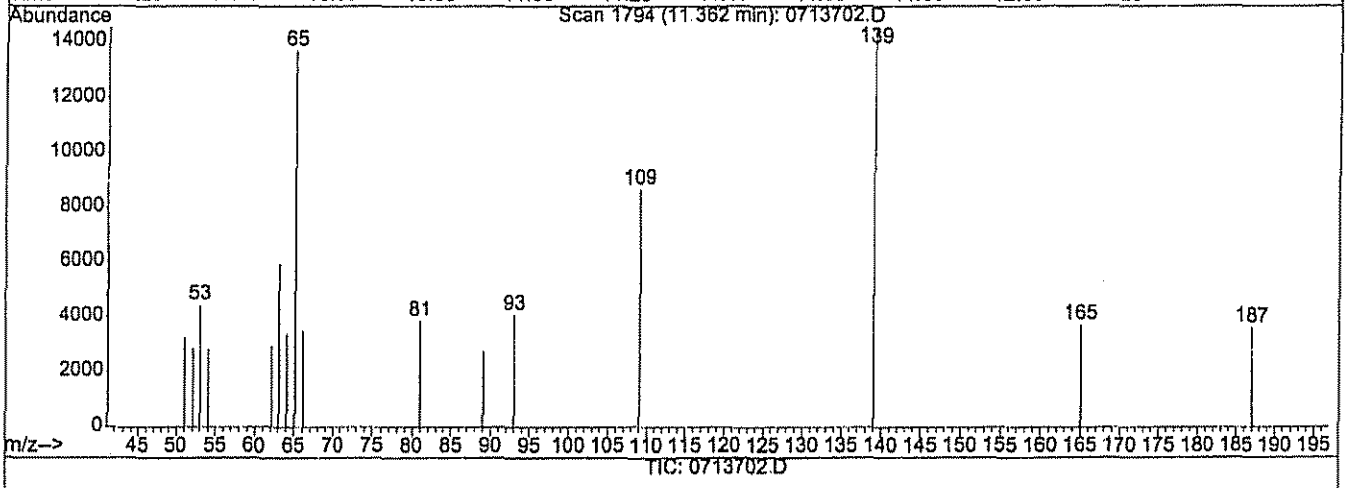
0713702.D 8270.M Wed Jul 13 09:00:34 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 9:01 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071305\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





(46) 4-Nitrophenol (TPM)

11.36min 5.33ug/mL m

response 58623

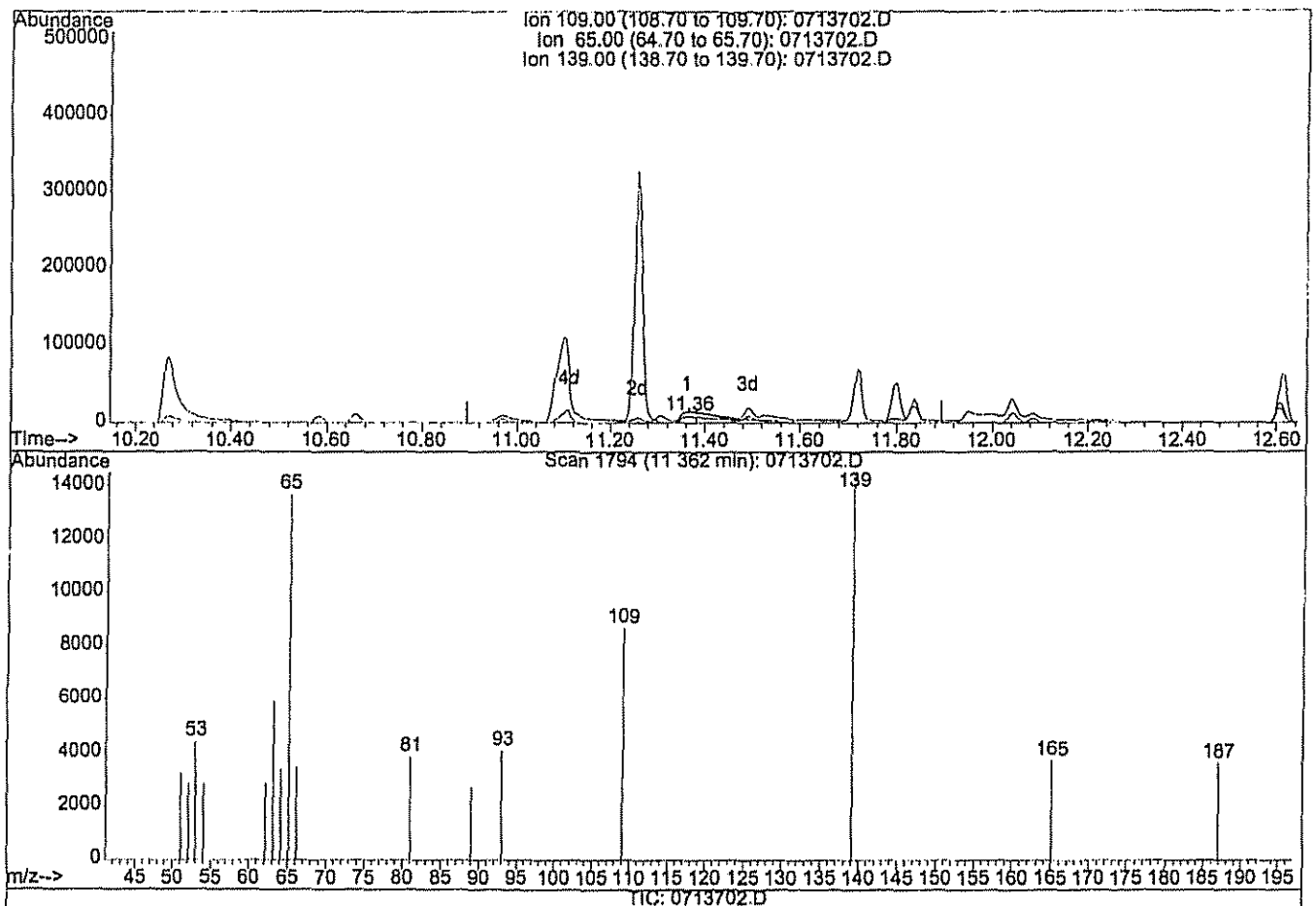
Ion	Exp%	Act%
109.00	100	100
65.00	147.60	157.43
139.00	180.40	166.98
0.00	0.00	0.00

0713702.D 8270.M Wed Jul 13 09:01:07 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 9:00 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071305\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



(46) 4-Nitrophenol (TPM)

11.36min 2.32ug/mL

response 16047

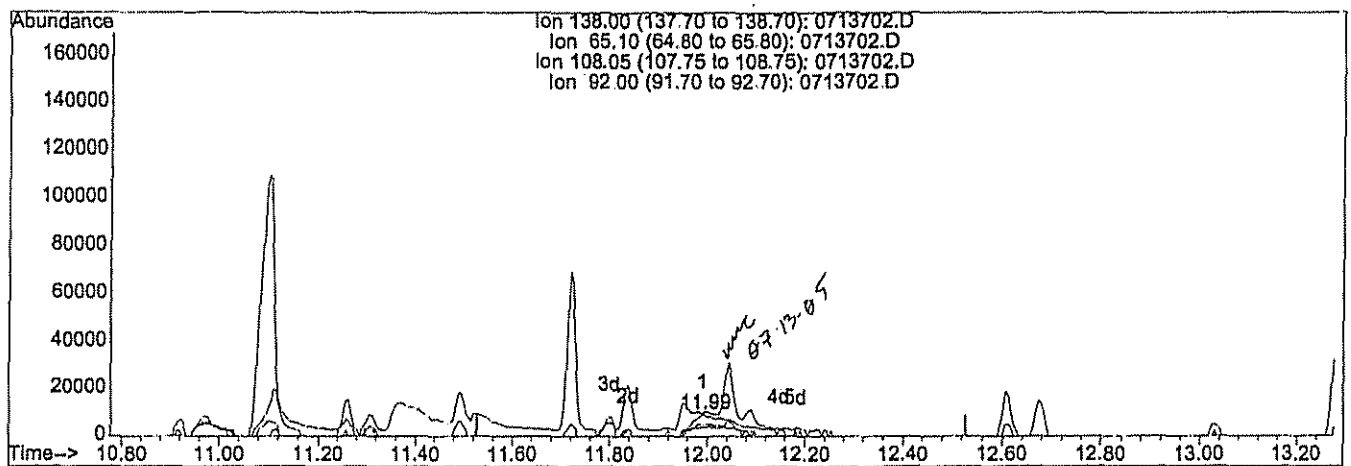
Ion	Exp%	Act%
109.00	100	100
65.00	147.60	129.41
139.00	180.40	166.98
0.00	0.00	0.00

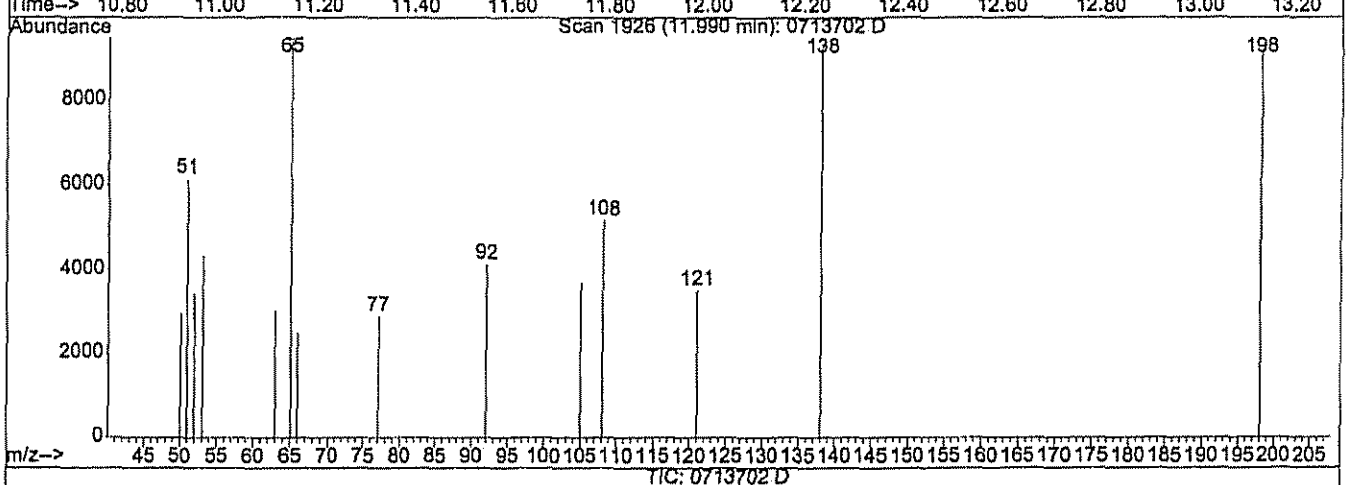
0713702.D 8270.M Wed Jul 13 09:00:54 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 9:01 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071305\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: 0713702.D

(52) 4-Nitroaniline (TM)

11.99min 5.10ug/mL m

response 65751

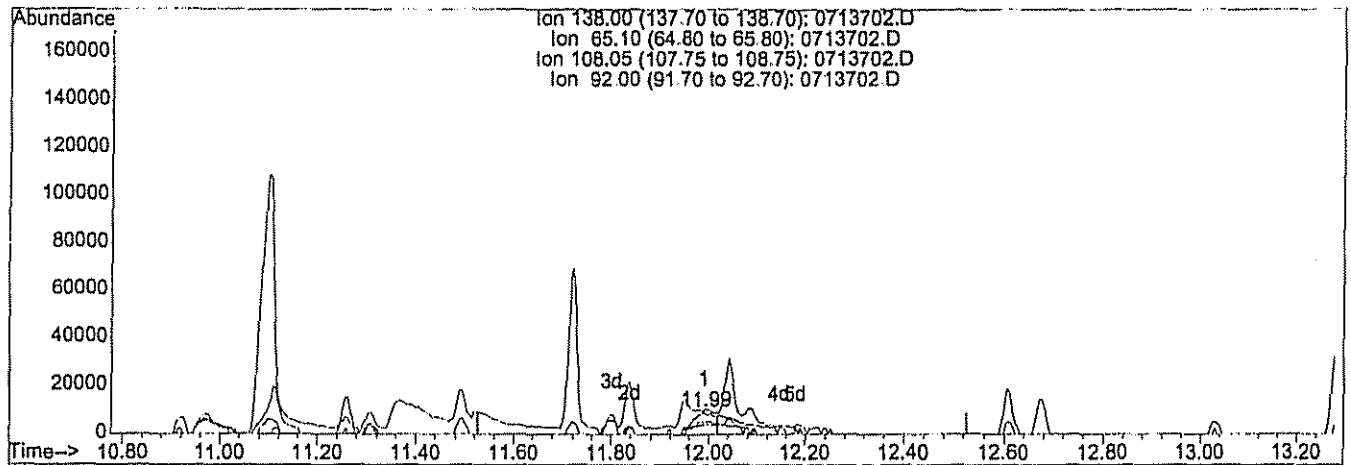
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	101.89
108.05	58.50	55.78
92.00	43.90	44.47

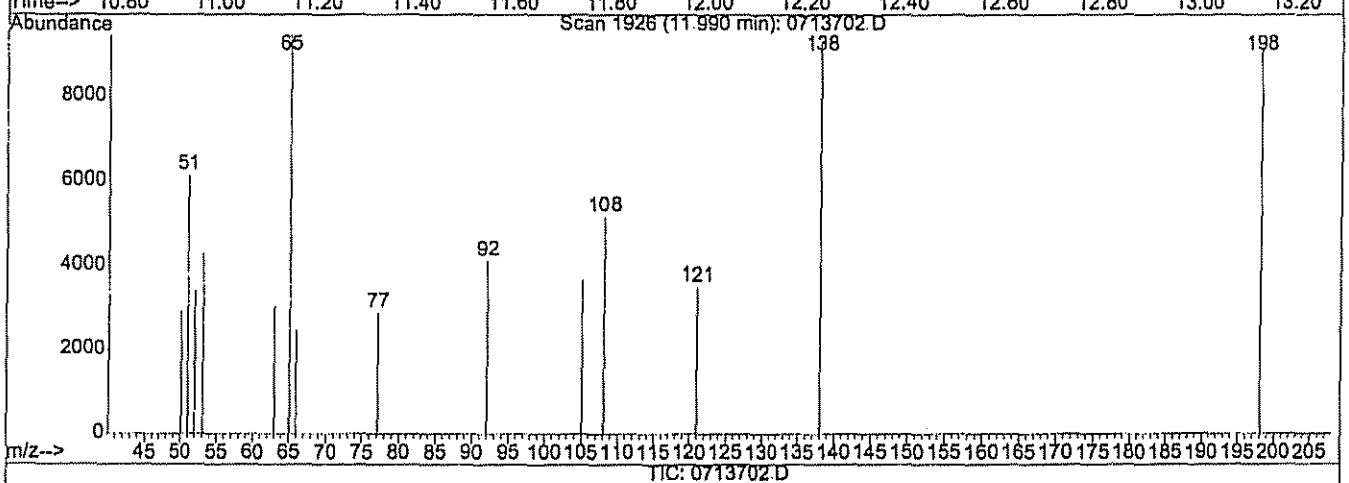
0713702.D 8270.M Wed Jul 13 09:01:18 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 9:01 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071305\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)

11.99min 2.66ug/mL

response 29199

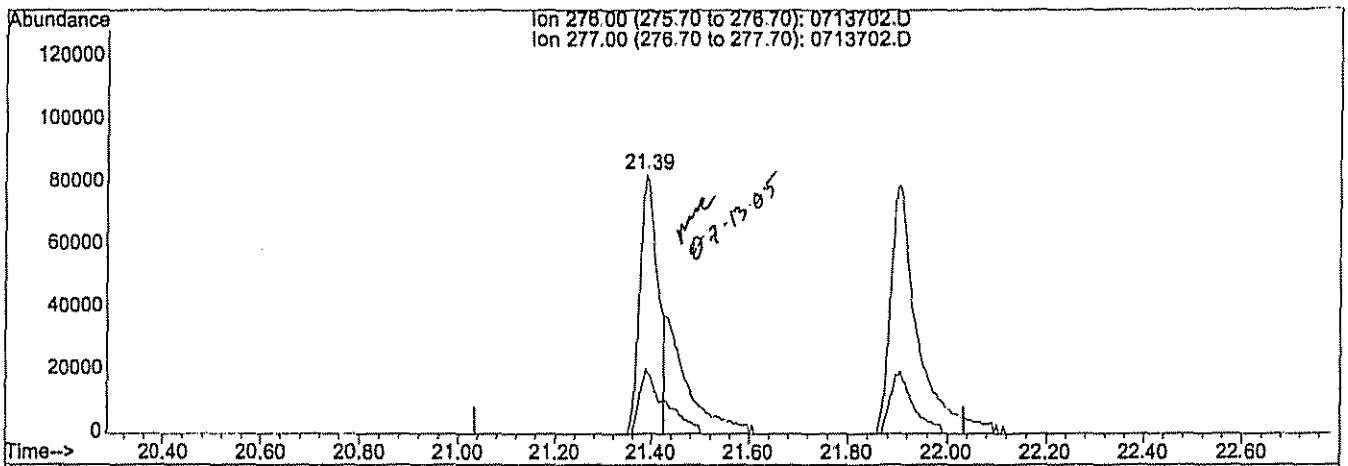
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	3.51#
108.05	58.50	55.78
92.00	43.90	44.47

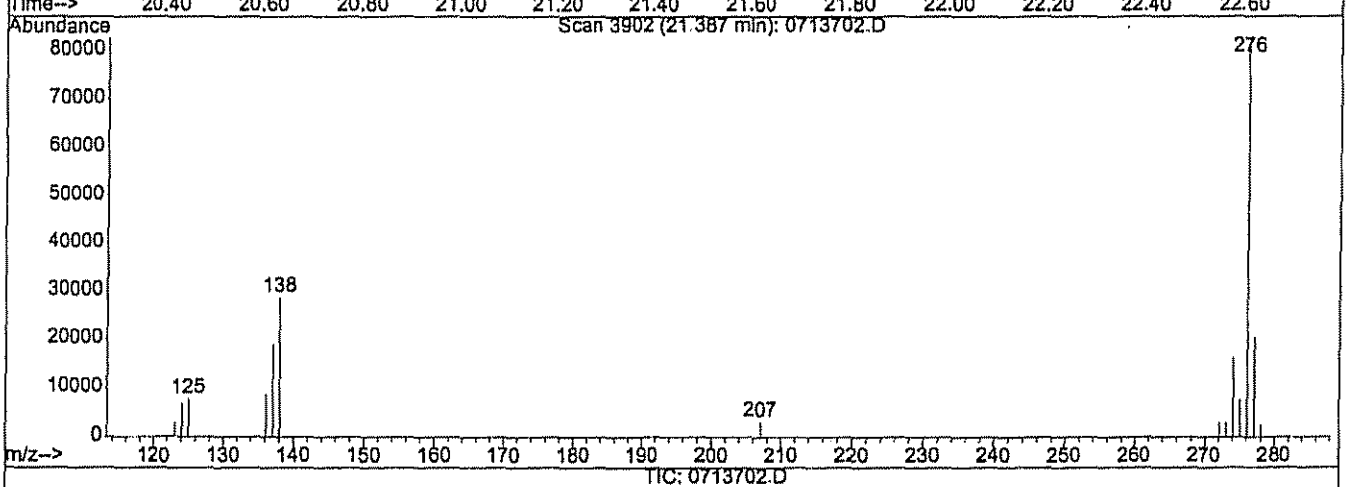
0713702.D 8270.M Wed Jul 13 09:01:14 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 9:01 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071305\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 5.00ug/mL m

response 216075

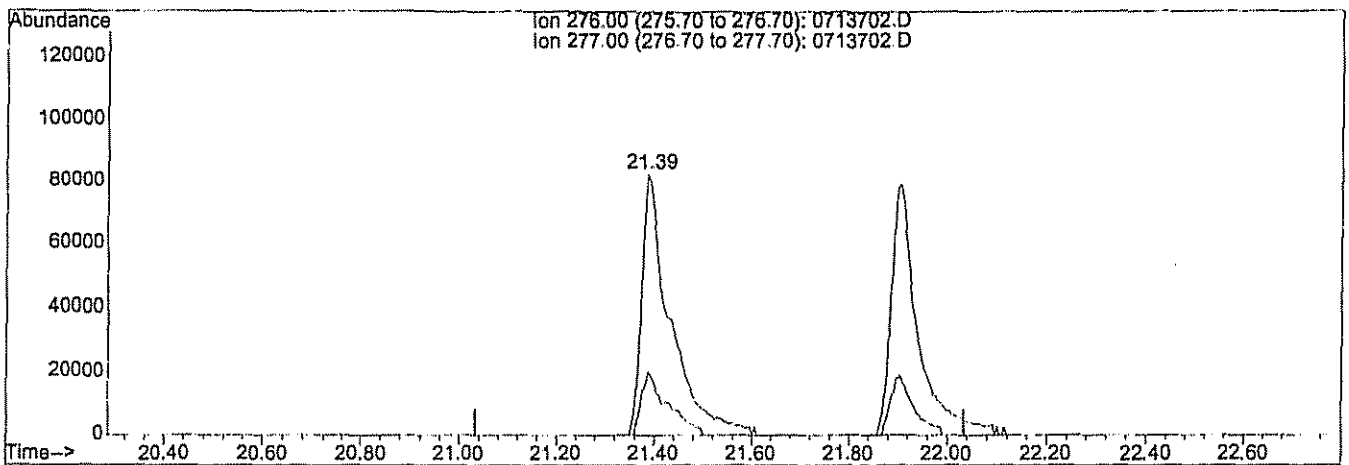
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	24.76
0.00	0.00	0.00
0.00	0.00	0.00

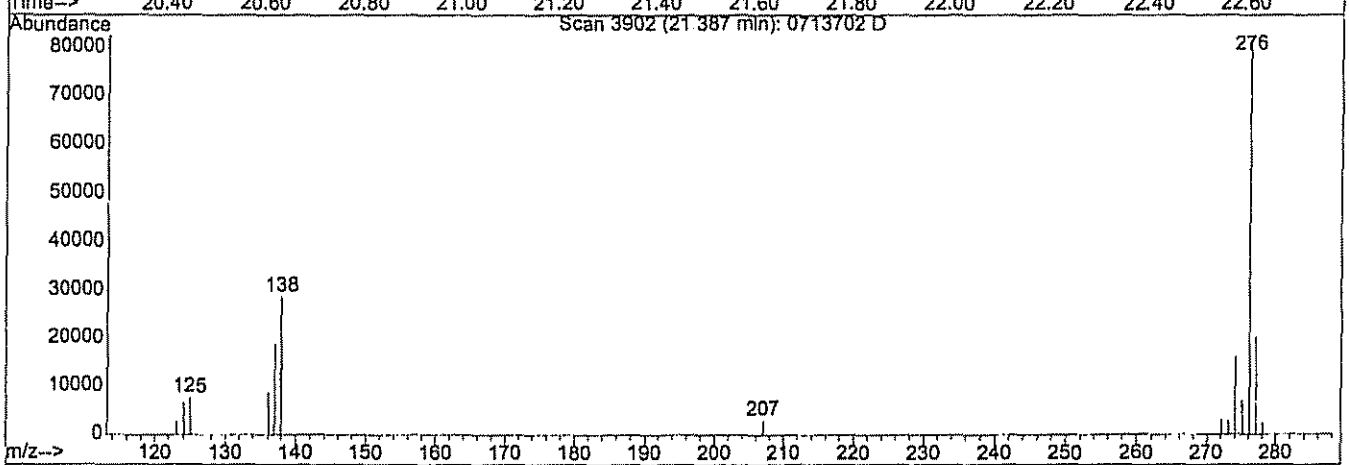
0713702.D 8270.M Wed Jul 13 09:01:55 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071305\0713702.D Vial: 2
Acq On : 13 Jul 2005 8:29 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 13 9:01 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071305\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: 0713702.D

(98) Indeno(1,2,3-c,d)pyrene (TM)

21.39min 7.06ug/mL

response 337408

Ion	Exp%	Act%
276.00	100	100
277.00	23.30	24.76
0.00	0.00	0.00
0.00	0.00	0.00

0713702.D 8270.M Wed Jul 13 09:01:51 2005 ENV

8270-BN QC, Blanks Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708607.D Vial: 7
Acq On : 8 Jul 2005 5:19 pm Operator: MRC
Sample : PB3187 x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:24 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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

pml 07.12.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.17	152	185462	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	739147	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.88	164	403400	4.00	ug/mL	-0.05
55) Phenanthrene-D10	14.27	188	602979	4.00	ug/mL	-0.05
85) Chrysene-D12	18.51	240	278646	4.00	ug/mL	-0.05
93) Perylene-D12	20.85	264	141104	4.00	ug/mL	-0.07
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.39	112	487984	10.35	ug/mL	-0.01
Spiked Amount 10.000			Recovery = 103.50%			
17) Phenol-d6 (surr)	6.67	99	774399	10.52	ug/mL	-0.02
Spiked Amount 10.000			Recovery = 105.20%			
32) Nitrobenzene-d5 (surr)	8.01	128	272101	10.38	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 103.80%			
53) 2-Fluorobiphenyl (surr)	10.83	172	1204341	10.65	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 106.50%			
54) 2,4,6-Tribromophenol (surr	13.15	330	124030	10.50	ug/mL	-0.05
Spiked Amount 10.000			Recovery = 105.00%			
92) 4-Terphenyl-d14 (surr)	16.87	244	957235m	13.74	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 137.40%			

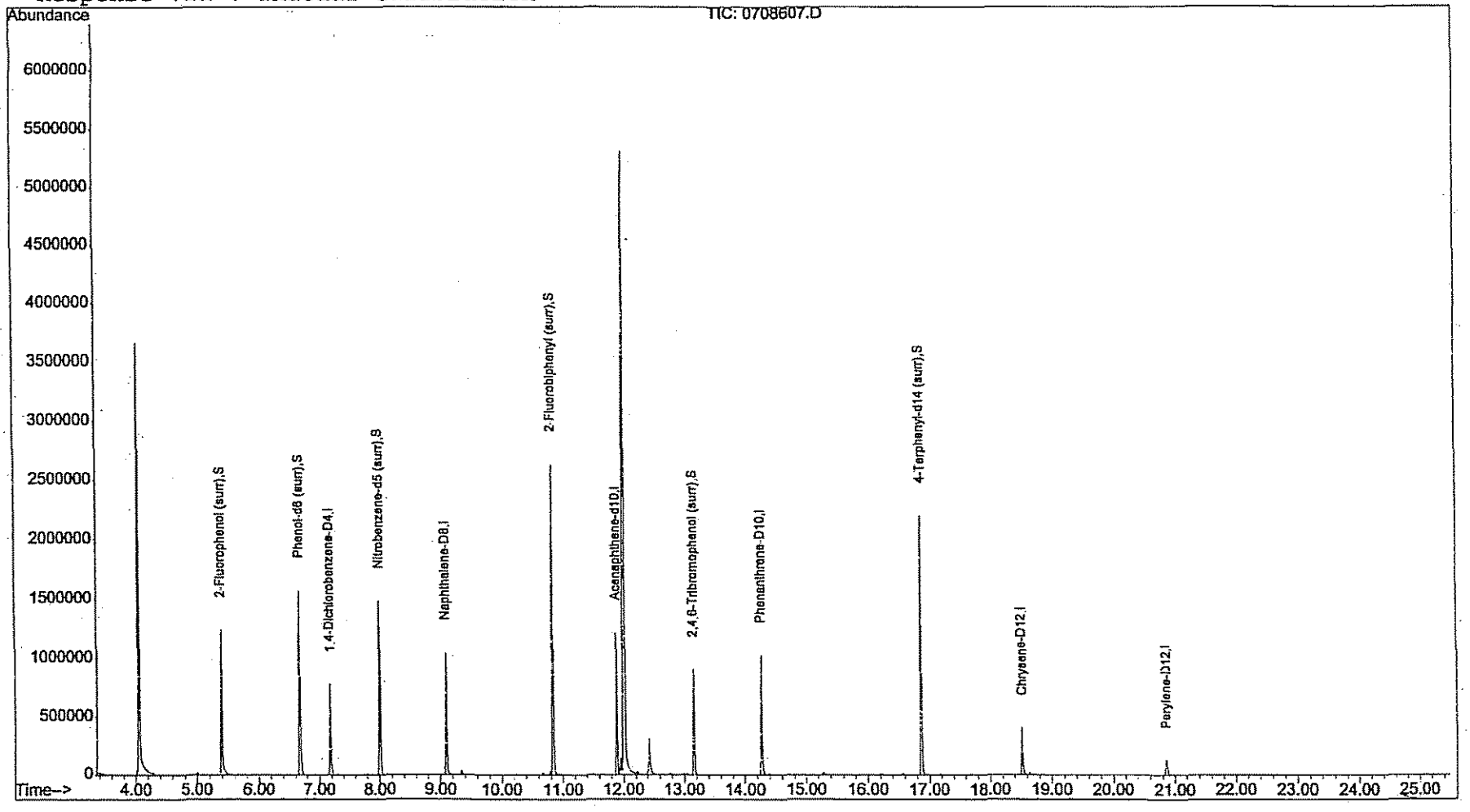
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6070805\0708607.D Vial: 7
Acq On : 8 Jul 2005 5:19 pm Operator: MRC
Sample : PB3187 x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:24 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708606.D Vial: 6
Acq On : 8 Jul 2005 4:46 pm Operator: MRC
Sample : LCS3187 x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:22 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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 07.12.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.18	152	168686	4.00	ug/mL	-0.03
18) Naphthalene-D8	9.10	136	688025	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.89	164	389033	4.00	ug/mL	-0.04
55) Phenanthrene-D10	14.27	188	597715	4.00	ug/mL	-0.04
85) Chrysene-D12	18.52	240	318087	4.00	ug/mL	-0.04
93) Perylene-D12	20.86	264	169938	4.00	ug/mL	-0.06
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.40	112	461934	10.78	ug/mL	0.00
Spiked Amount 10.000			Recovery = 107.80%			
17) Phenol-d6 (surr)	6.68	99	720897	10.77	ug/mL	-0.01
Spiked Amount 10.000			Recovery = 107.70%			
32) Nitrobenzene-d5 (surr)	8.01	128	261974	10.74	ug/mL	-0.03
Spiked Amount 10.000			Recovery = 107.40%			
53) 2-Fluorobiphenyl (surr)	10.83	172	1149433	10.54	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 105.40%			
54) 2,4,6-Tribromophenol (surr	13.16	330	125683	11.03	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 110.30%			
92) 4-Terphenyl-d14 (surr)	16.86	244	1018854	12.81	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 128.10%			

Target Compounds						Qvalue
2) Pyridine	3.78	79	419554	11.27	ug/mL#	82
3) N-Nitrosodimethylamine	3.77	74	325735	11.57	ug/mL	99
4) Phenol	6.70	94	759026	10.01	ug/mL	97
5) Bis(2-chloroethyl)ether	6.82	93	545092	9.26	ug/mL	97
6) 2-Chlorophenol	6.88	128	551901	9.90	ug/mL	98
7) Benzyl Alcohol	7.40	108	380820	9.82	ug/mL	96
8) 1,3-Dichlorobenzene	7.09	146	569435	10.34	ug/mL	97
9) 1,4-Dichlorobenzene	7.20	146	591914	10.46	ug/mL	99
10) 1,2-Dichlorobenzene	7.43	146	534775	10.48	ug/mL	95
11) 2-Methylphenol	7.57	107	473406	10.23	ug/mL	96
12) 3-, 4-Methylphenol	7.82	107	1192176	17.78	ug/mL#	85
13) Bis(2-chloroisopropyl)ethe	7.61	45	715185	10.31	ug/mL	97
14) N-Nitrosodi-n-propylamine	7.81	70	412774	11.74	ug/mL	97
15) Hexachloroethane	7.92	117	233815	10.45	ug/mL	95
19) Nitrobenzene	8.04	77	711341	10.50	ug/mL	99
20) Isophorone	8.41	82	1218471	12.17	ug/mL	100
21) 2-Nitrophenol	8.52	139	298458	9.49	ug/mL	98
22) 2,4-Dimethylphenol	8.61	122	459328	10.19	ug/mL	98
23) Benzoic Acid	8.79	122	249369	7.86	ug/mL	97
24) Bis(2-chloroethoxy)methane	8.76	93	687060	10.38	ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708606.D Vial: 6
Acq On : 8 Jul 2005 4:46 pm Operator: MRC
Sample : LCS3187 x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:22 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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	8.90	162	467957	10.25	ug/mL	98
26)	1,2,4-Trichlorobenzene	9.02	180	489043	10.16	ug/mL	97
27)	Naphthalene	9.14	128	1560547	10.41	ug/mL	99
28)	4-Chloroaniline	9.25	127	340694	13.41	ug/mL	94
29)	Hexachlorobutadiene	9.35	225	305194	10.03	ug/mL	95
30)	4-Chloro-3-methylphenol	10.02	107	571543	10.61	ug/mL	95
31)	2-Methylnaphthalene	10.23	142	1023028	9.56	ug/mL	98
34)	Hexachlorocyclopentadiene	10.50	237	228823	14.63	ug/mL	91
35)	2,4,6-Trichlorophenol	10.69	196	350219	10.16	ug/mL	96
36)	2,4,5-Trichlorophenol	10.74	196	380514	10.61	ug/mL	96
37)	2-Chloronaphthalene	11.00	162	1013650	10.57	ug/mL	97
38)	2-Nitroaniline	11.19	65	376157	10.63	ug/mL	98
39)	3-Nitroaniline	11.86	138	168621	20.83	ug/mL	93
40)	1-Methylnaphthalene	10.38	142	987113	10.35	ug/mL	99
41)	Dimethylphthalate	11.51	163	1201726	10.58	ug/mL	99
42)	Acenaphthylene	11.66	152	1508770	12.09	ug/mL	99
43)	2,6-Dinitrotoluene	11.59	165	273632	10.93	ug/mL	100
44)	Acenaphthene	11.94	153	907889	10.57	ug/mL	99
45)	2,4-Dinitrophenol	12.04	184	142077	9.80	ug/mL	93
46)	4-Nitrophenol	12.16	109	200919	12.31	ug/mL	86
47)	Dibenzofuran	12.23	168	1370450	9.85	ug/mL	99
48)	2,4-Dinitrotoluene	12.23	165	352770	11.17	ug/mL	91
49)	Fluorene	12.78	166	1129977	10.92	ug/mL	96
50)	Diethylphthalate	12.65	149	1144336	10.90	ug/mL	98
51)	4-Chlorophenyl phenyl ethe	12.79	204	562254	10.52	ug/mL	99
52)	4-Nitroaniline	12.84	138	130095	9.62	ug/mL	96
56)	4,6-Dinitro-2-methylphenol	12.88	198	206133	9.50	ug/mL	96
57)	Diphenylamine	12.99	169	891688	14.31	ug/mL	99
58)	4-bromophenyl phenyl ether	13.57	248	314069	10.34	ug/mL	94
59)	Hexachlorobenzene	13.66	284	287319	9.63	ug/mL	94
60)	Pentachlorophenol	13.99	266	177328	8.08	ug/mL	96
61)	Phenanthrene	14.31	178	1471762	9.94	ug/mL	98
63)	Anthracene	14.39	178	1519670	11.01	ug/mL	98
64)	Azobenzene	13.05	77	1312604	10.06	ug/mL	99
65)	Di-n-Butylphthalate	15.29	149	1817564	10.23	ug/mL	98
66)	Fluoranthene	16.22	202	1590135	10.22	ug/mL	97
86)	Pyrene	16.57	202	1610535	13.50	ug/mL	98
87)	Butylbenzylphthalate	17.69	149	687792	12.20	ug/mL	97
88)	Benzo[a]anthracene	18.51	228	977681	11.39	ug/mL	97
89)	3,3'-Dichlorobenzidine	18.50	252	225903	16.95	ug/mL	90
90)	Chrysene	18.56	228	955060	11.39	ug/mL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6070805\0708606.D Vial: 6
Acq On : 8 Jul 2005 4:46 pm Operator: MRC
Sample : LCS3187 x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:22 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6070805\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

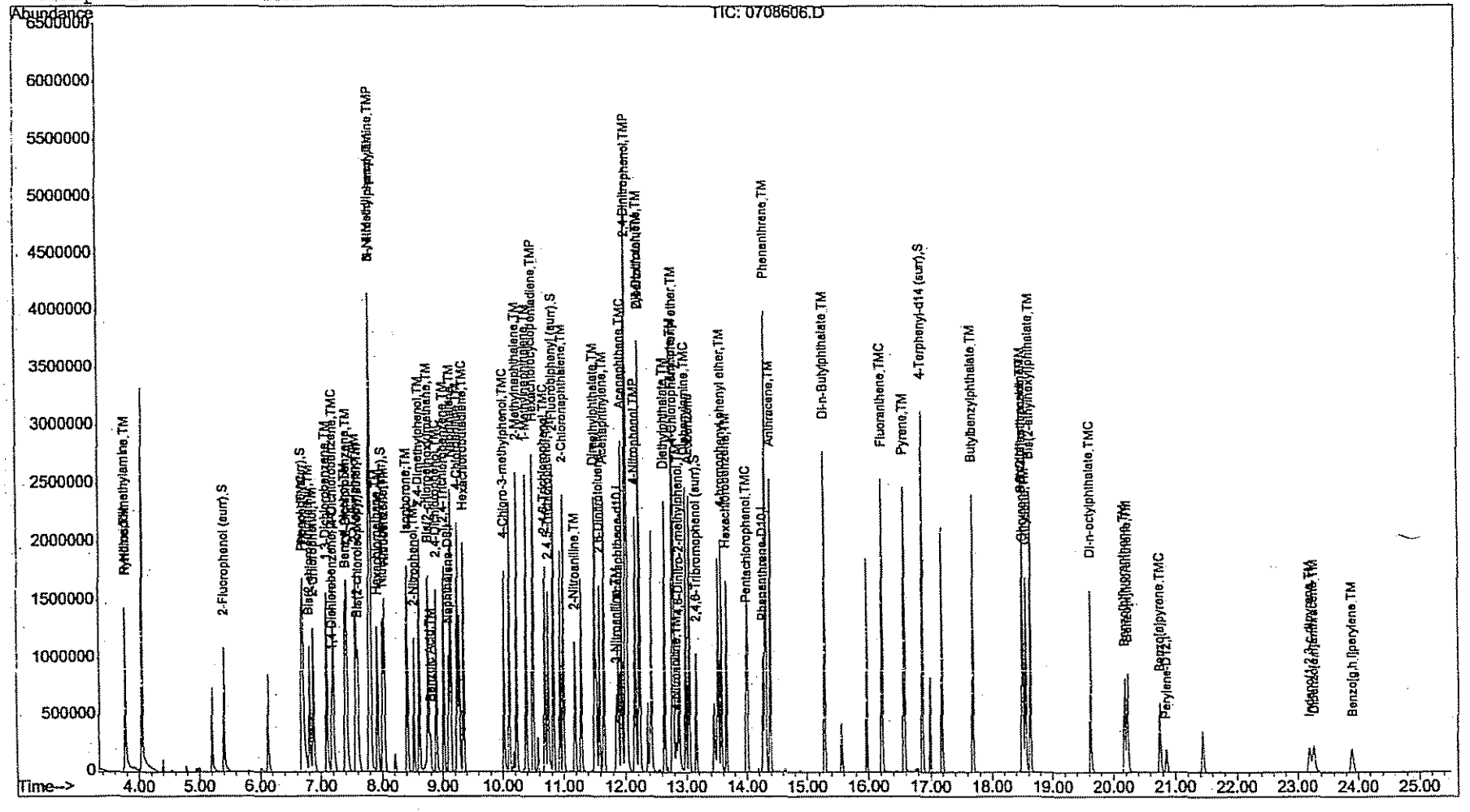
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	Bis(2-ethylhexyl)phthalate	18.63	149	824531	11.30	ug/mL	96
94)	Di-n-octylphthalate	19.63	149	1118747	12.09	ug/mL	100
95)	Benzo[b]fluoranthene	20.18	252	625634	12.15	ug/mL	98
96)	Benzo[k]fluoranthene	20.23	252	655304	11.33	ug/mL	99
97)	Benzo[a]pyrene	20.75	252	525842	12.88	ug/mL	96
98)	Indeno(1,2,3-c,d)pyrene	23.20	276	292596	12.24	ug/mL	99
99)	Dibenzo[a,h]anthracene	23.27	278	317339	13.46	ug/mL	97
100)	Benzo[g,h,i]perylene	23.90	276	311063	11.33	ug/mL	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6070805\0708606.D Vial: 6
Acq On : 8 Jul 2005 4:46 pm Operator: MRC
Sample : LCS3187 x1 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 12 11:22 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



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071105\0711613.D Vial: 13
Acq On : 11 Jul 2005 9:10 pm Operator: MRC
Sample : G161-2047-7I x1 MS Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:32 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

mm 07.13.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.18	152	145338	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	582595	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.89	164	321636	4.00	ug/mL	-0.04
55) Phenanthrene-D10	14.27	188	481252	4.00	ug/mL	-0.04
85) Chrysene-D12	18.52	240	222938	4.00	ug/mL	-0.05
93) Perylene-D12	20.86	264	129570	4.00	ug/mL	-0.07
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.40	112	407171	11.02	ug/mL	0.00
Spiked Amount 10.000			Recovery = 110.20%			
17) Phenol-d6 (surr)	6.68	99	634172	11.00	ug/mL	-0.01
Spiked Amount 10.000			Recovery = 110.00%			
32) Nitrobenzene-d5 (surr)	8.01	128	221501	10.72	ug/mL	-0.03
Spiked Amount 10.000			Recovery = 107.20%			
53) 2-Fluorobiphenyl (surr)	10.83	172	973761	10.80	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 108.00%			
54) 2,4,6-Tribromophenol (surr	13.16	330	100568	10.68	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 106.80%			
92) 4-Terphenyl-d14 (surr)	16.87	244	811180	14.55	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 145.50%			

Target Compounds						Qvalue
2) Pyridine	3.77	79	313061	9.84	ug/mL	90
3) N-Nitrosodimethylamine	3.77	74	277715	11.45	ug/mL	95
4) Phenol	6.70	94	672046	10.29	ug/mL	99
5) Bis(2-chloroethyl)ether	6.82	93	487901	9.62	ug/mL	95
6) 2-Chlorophenol	6.88	128	484105	10.08	ug/mL	97
7) Benzyl Alcohol	7.40	108	341401	10.22	ug/mL	96
8) 1,3-Dichlorobenzene	7.09	146	501885	10.58	ug/mL	97
9) 1,4-Dichlorobenzene	7.20	146	517155	10.61	ug/mL	97
10) 1,2-Dichlorobenzene	7.42	146	471161	10.71	ug/mL	93
11) 2-Methylphenol	7.57	107	380661	9.55	ug/mL	98
12) 3-, 4-Methylphenol	7.82	107	977345	16.91	ug/mL#	81
13) Bis(2-chloroisopropyl)ethe	7.61	45	640603	10.72	ug/mL	99
14) N-Nitrosodi-n-propylamine	7.81	70	349181	11.53	ug/mL	99
15) Hexachloroethane	7.92	117	198719	10.31	ug/mL	97
19) Nitrobenzene	8.04	77	632614	11.03	ug/mL	98
20) Isophorone	8.41	82	1053357	12.43	ug/mL	99
21) 2-Nitrophenol	8.53	139	255630	9.59	ug/mL	96
22) 2,4-Dimethylphenol	8.61	122	272221	7.13	ug/mL	98
23) Benzoic Acid	8.79	122	162831	6.27	ug/mL	98
24) Bis(2-chloroethoxy)methane	8.76	93	596839	10.65	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071105\0711613.D Vial: 13
Acq On : 11 Jul 2005 9:10 pm Operator: MRC
Sample : G161-2047-7I x1 MS Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:32 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	8.90	162	387739	10.03	ug/mL	97
26)	1,2,4-Trichlorobenzene	9.02	180	414026	10.15	ug/mL	96
27)	Naphthalene	9.13	128	1361505	10.73	ug/mL	99
28)	4-Chloroaniline	9.25	127	327000	15.09	ug/mL	93
29)	Hexachlorobutadiene	9.35	225	254548	9.88	ug/mL	99
30)	4-Chloro-3-methylphenol	10.02	107	469921	10.30	ug/mL	98
31)	2-Methylnaphthalene	10.23	142	874054	9.65	ug/mL	99
34)	Hexachlorocyclopentadiene	10.49	237	146222	11.54	ug/mL	95
35)	2,4,6-Trichlorophenol	10.69	196	283629	9.95	ug/mL	99
36)	2,4,5-Trichlorophenol	10.75	196	317067	10.69	ug/mL	93
37)	2-Chloronaphthalene	11.00	162	878388	11.08	ug/mL	97
38)	2-Nitroaniline	11.19	65	328273	11.22	ug/mL	99
39)	3-Nitroaniline	11.86	138	152550	22.88	ug/mL	94
40)	1-Methylnaphthalene	10.39	142	853899	10.83	ug/mL	99
41)	Dimethylphthalate	11.51	163	1026630	10.94	ug/mL	99
42)	Acenaphthylene	11.66	152	1317688	12.77	ug/mL	98
43)	2,6-Dinitrotoluene	11.59	165	229312	11.08	ug/mL	99
44)	Acenaphthene	11.94	153	796601	11.22	ug/mL	97
45)	2,4-Dinitrophenol	12.03	184	113105	9.44	ug/mL	95
46)	4-Nitrophenol	12.16	109	145141	10.76	ug/mL	80
47)	Dibenzofuran	12.23	168	1165659	10.13	ug/mL	98
48)	2,4-Dinitrotoluene	12.24	165	291803	11.18	ug/mL#	75
49)	Fluorene	12.77	166	970092	11.34	ug/mL	99
50)	Diethylphthalate	12.64	149	948942	10.94	ug/mL	100
51)	4-Chlorophenyl phenyl ethe	12.79	204	480353	10.87	ug/mL	97
52)	4-Nitroaniline	12.85	138	106467	9.52	ug/mL	88
56)	4,6-Dinitro-2-methylphenol	12.88	198	170076	9.74	ug/mL	92
57)	Diphenylamine	12.99	169	763755	15.22	ug/mL	97
58)	4-bromophenyl phenyl ether	13.58	248	263828	10.79	ug/mL	97
59)	Hexachlorobenzene	13.66	284	244897	10.20	ug/mL	96
60)	Pentachlorophenol	13.99	266	137110	7.76	ug/mL	98
61)	Phenanthrene	14.31	178	1258121	10.56	ug/mL	97
63)	Anthracene	14.39	178	1268840	11.42	ug/mL	99
64)	Azobenzene	13.04	77	1124905	10.71	ug/mL	99
65)	Di-n-Butylphthalate	15.28	149	1554923	10.87	ug/mL	99
66)	Fluoranthene	16.22	202	1343227	10.72	ug/mL	97
86)	Pyrene	16.57	202	1313176	15.71	ug/mL	96
87)	Butylbenzylphthalate	17.69	149	546818	13.84	ug/mL	99
88)	Benzo[a]anthracene	18.50	228	732278	12.17	ug/mL	99
89)	3,3'-Dichlorobenzidine	18.50	252	115634	12.92	ug/mL#	88
90)	Chrysene	18.56	228	687796	11.70	ug/mL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071105\0711613.D Vial: 13
Acq On : 11 Jul 2005 9:10 pm Operator: MRC
Sample : G161-2047-7I x1 MS Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:32 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
91)	Bis(2-ethylhexyl)phthalate	18.63	149	666511	13.03	ug/mL	96
94)	Di-n-octylphthalate	19.63	149	853605	12.10	ug/mL	100
95)	Benzo[b]fluoranthene	20.18	252	472639	12.04	ug/mL	99
96)	Benzo[k]fluoranthene	20.23	252	536895	12.18	ug/mL	99
97)	Benzo[a]pyrene	20.75	252	416071	13.37	ug/mL	98
98)	Indeno(1,2,3-c,d)pyrene	23.19	276	225593	12.35	ug/mL	100
99)	Dibenzo[a,h]anthracene	23.26	278	259320	14.28	ug/mL	96
100)	Benzo[g,h,i]perylene	23.90	276	258697	12.26	ug/mL	98

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

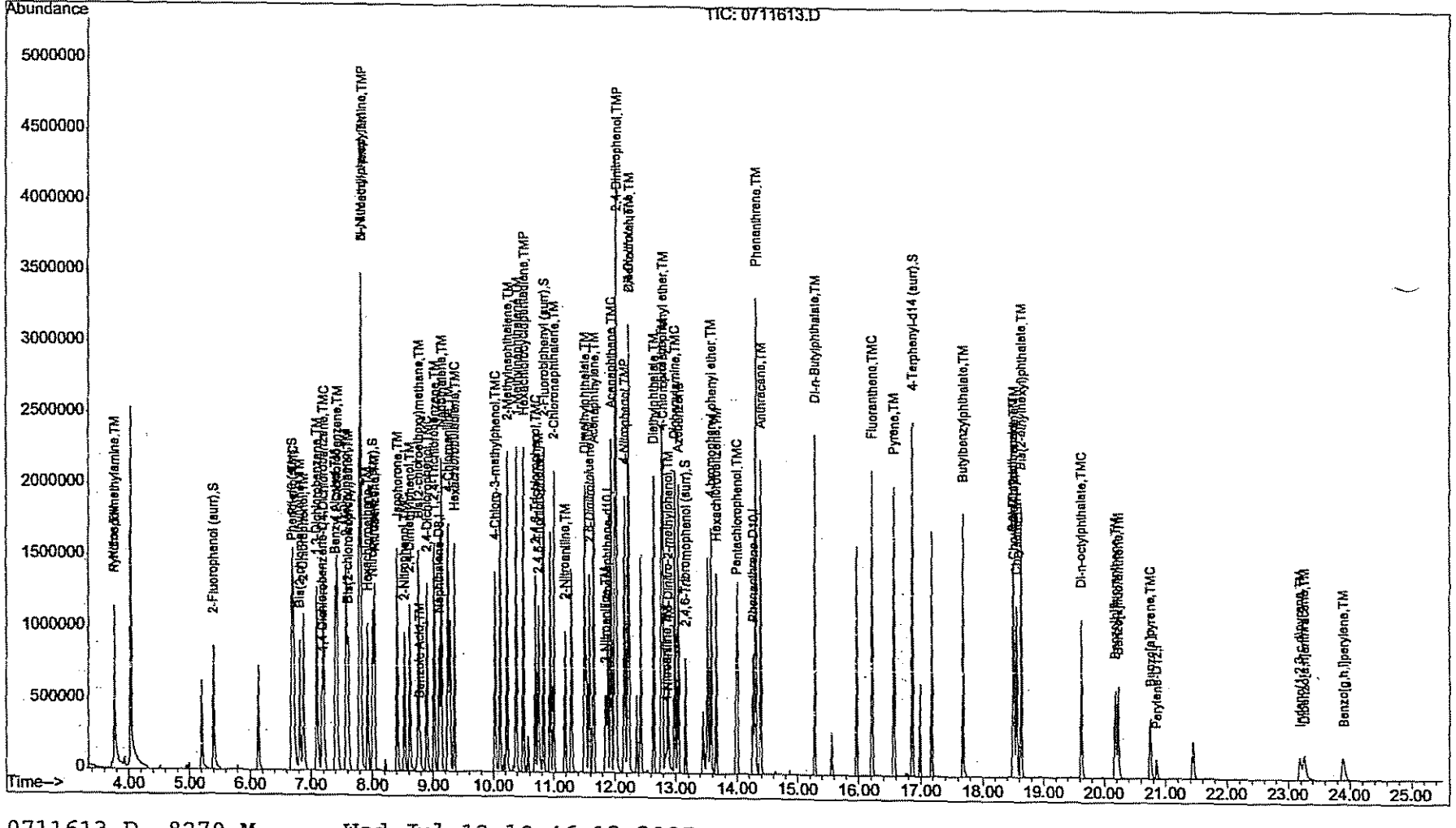
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6071105\0711613.D
Acq On : 11 Jul 2005 9:10 pm
Sample : G161-2047-7I x1 MS
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:32 2005

Vial: 13
Operator: MRC
Inst : MSD6
Multiplr: 1.00

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



0711613.D 8270.M Wed Jul 13 10:46:13 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071105\0711614.D Vial: 14
Acq On : 11 Jul 2005 9:45 pm Operator: MRC
Sample : G161-2047-7J x1 MSD Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:32 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

mt 07-13-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.18	152	157992	4.00	ug/mL	-0.04
18) Naphthalene-D8	9.10	136	634374	4.00	ug/mL	-0.04
33) Acenaphthene-d10	11.89	164	359063	4.00	ug/mL	-0.04
55) Phenanthrene-D10	14.27	188	529250	4.00	ug/mL	-0.04
85) Chrysene-D12	18.51	240	240887	4.00	ug/mL	-0.05
93) Perylene-D12	20.86	264	141863	4.00	ug/mL	-0.06
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.40	112	442966	11.03	ug/mL	0.00
Spiked Amount 10.000			Recovery = 110.30%			
17) Phenol-d6 (surr)	6.68	99	702131	11.20	ug/mL	-0.01
Spiked Amount 10.000			Recovery = 112.00%			
32) Nitrobenzene-d5 (surr)	8.01	128	250420	11.13	ug/mL	-0.03
Spiked Amount 10.000			Recovery = 111.30%			
53) 2-Fluorobiphenyl (surr)	10.83	172	1072875	10.66	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 106.60%			
54) 2,4,6-Tribromophenol (surr	13.16	330	111281	10.58	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 105.80%			
92) 4-Terphenyl-d14 (surr)	16.87	244	851267	14.13	ug/mL	-0.04
Spiked Amount 10.000			Recovery = 141.30%			
Target Compounds						Qvalue
2) Pyridine	3.78	79	373627	10.75	ug/mL	92
3) N-Nitrosodimethylamine	3.78	74	338584	12.84	ug/mL	97
4) Phenol	6.70	94	749854	10.56	ug/mL	97
5) Bis(2-chloroethyl)ether	6.82	93	570228	10.34	ug/mL	96
6) 2-Chlorophenol	6.88	128	538072	10.30	ug/mL	98
7) Benzyl Alcohol	7.40	108	376777	10.38	ug/mL	92
8) 1,3-Dichlorobenzene	7.10	146	566859	10.99	ug/mL	98
9) 1,4-Dichlorobenzene	7.20	146	576910	10.89	ug/mL	99
10) 1,2-Dichlorobenzene	7.42	146	529302	11.07	ug/mL	96
11) 2-Methylphenol	7.58	107	420212	9.70	ug/mL	96
12) 3-, 4-Methylphenol	7.82	107	1069194	17.02	ug/mL#	82
13) Bis(2-chloroisopropyl)ethe	7.60	45	717841	11.05	ug/mL#	98
14) N-Nitrosodi-n-propylamine	7.81	70	404599	12.29	ug/mL	97
15) Hexachloroethane	7.92	117	226453	10.81	ug/mL	99
19) Nitrobenzene	8.04	77	709199	11.35	ug/mL	98
20) Isophorone	8.41	82	1186766	12.86	ug/mL	99
21) 2-Nitrophenol	8.53	139	293601	10.12	ug/mL	98
22) 2,4-Dimethylphenol	8.61	122	265676	6.39	ug/mL	94
23) Benzoic Acid	8.80	122	201459	7.00	ug/mL	99
24) Bis(2-chloroethoxy)methane	8.76	93	680276	11.15	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071105\0711614.D
Acq On : 11 Jul 2005 9:45 pm
Sample : G161-2047-7J x1 MSD
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:32 2005

Vial: 14
Operator: MRC
Inst : MSD6
Multiplr: 1.00
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	8.90	162	437790	10.40 ug/mL	98
26)	1,2,4-Trichlorobenzene	9.02	180	476205	10.73 ug/mL	95
27)	Naphthalene	9.14	128	1544766	11.18 ug/mL	98
28)	4-Chloroaniline	9.25	127	378862	16.01 ug/mL#	92
29)	Hexachlorobutadiene	9.35	225	287852	10.26 ug/mL	93
30)	4-Chloro-3-methylphenol	10.03	107	530646	10.68 ug/mL	97
31)	2-Methylnaphthalene	10.23	142	985199	9.99 ug/mL	99
34)	Hexachlorocyclopentadiene	10.50	237	182982	12.81 ug/mL	97
35)	2,4,6-Trichlorophenol	10.70	196	315961	9.93 ug/mL	97
36)	2,4,5-Trichlorophenol	10.75	196	353577	10.68 ug/mL	99
37)	2-Chloronaphthalene	11.00	162	967832	10.93 ug/mL	96
38)	2-Nitroaniline	11.19	65	370277	11.34 ug/mL	99
39)	3-Nitroaniline	11.86	138	179705	24.19 ug/mL	96
40)	1-Methylnaphthalene	10.39	142	961128	10.92 ug/mL	99
41)	Dimethylphthalate	11.51	163	1145772	10.93 ug/mL	99
42)	Acenaphthylene	11.66	152	1472856	12.78 ug/mL	98
43)	2,6-Dinitrotoluene	11.59	165	262615	11.36 ug/mL	99
44)	Acenaphthene	11.94	153	888048	11.21 ug/mL	96
45)	2,4-Dinitrophenol	12.04	184	129347	9.67 ug/mL#	83
46)	4-Nitrophenol	12.16	109	180364	11.97 ug/mL	80
47)	Dibenzofuran	12.23	168	1325359	10.32 ug/mL	100
48)	2,4-Dinitrotoluene	12.24	165	328189	11.26 ug/mL#	73
49)	Fluorene	12.77	166	1099180	11.51 ug/mL	99
50)	Diethylphthalate	12.65	149	1072795	11.08 ug/mL	99
51)	4-Chlorophenyl phenyl ethe	12.79	204	539416	10.94 ug/mL	99
52)	4-Nitroaniline	12.85	138	106097	8.50 ug/mL	86
56)	4,6-Dinitro-2-methylphenol	12.88	198	190824	9.94 ug/mL	98
57)	Diphenylamine	12.99	169	853217	15.47 ug/mL	99
58)	4-bromophenyl phenyl ether	13.57	248	298545	11.11 ug/mL	93
59)	Hexachlorobenzene	13.66	284	276436	10.47 ug/mL	98
60)	Pentachlorophenol	13.99	266	157563	8.11 ug/mL	96
61)	Phenanthrene	14.31	178	1411388	10.77 ug/mL	98
63)	Anthracene	14.39	178	1448920	11.86 ug/mL	99
64)	Azobenzene	13.04	77	1260242	10.91 ug/mL	99
65)	Di-n-Butylphthalate	15.28	149	1742881	11.08 ug/mL	98
66)	Fluoranthene	16.22	202	1418661	10.29 ug/mL	98
86)	Pyrene	16.57	202	1402678	15.53 ug/mL	98
87)	Butylbenzylphthalate	17.69	149	583040	13.66 ug/mL	98
88)	Benzo[a]anthracene	18.50	228	778473	11.97 ug/mL	95
89)	3,3'-Dichlorobenzidine	18.50	252	132299	13.57 ug/mL#	90
90)	Chrysene	18.56	228	757037	11.92 ug/mL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071105\0711614.D Vial: 14
Acq On : 11 Jul 2005 9:45 pm Operator: MRC
Sample : G161-2047-7J x1 MSD Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:32 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
91)	Bis(2-ethylhexyl)phthalate	18.63	149	711194	12.87 ug/mL	95
94)	Di-n-octylphthalate	19.63	149	941786	12.19 ug/mL	100
95)	Benzo[b]fluoranthene	20.18	252	509736	11.86 ug/mL	96
96)	Benzo[k]fluoranthene	20.23	252	569747	11.80 ug/mL	96
97)	Benzo[a]pyrene	20.75	252	450717	13.23 ug/mL	95
98)	Indeno(1,2,3-c,d)pyrene	23.20	276	253586	12.61 ug/mL	98
99)	Dibenzo[a,h]anthracene	23.26	278	275318	13.91 ug/mL	94
100)	Benzo[g,h,i]perylene	23.90	276	296551	12.79 ug/mL	95

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

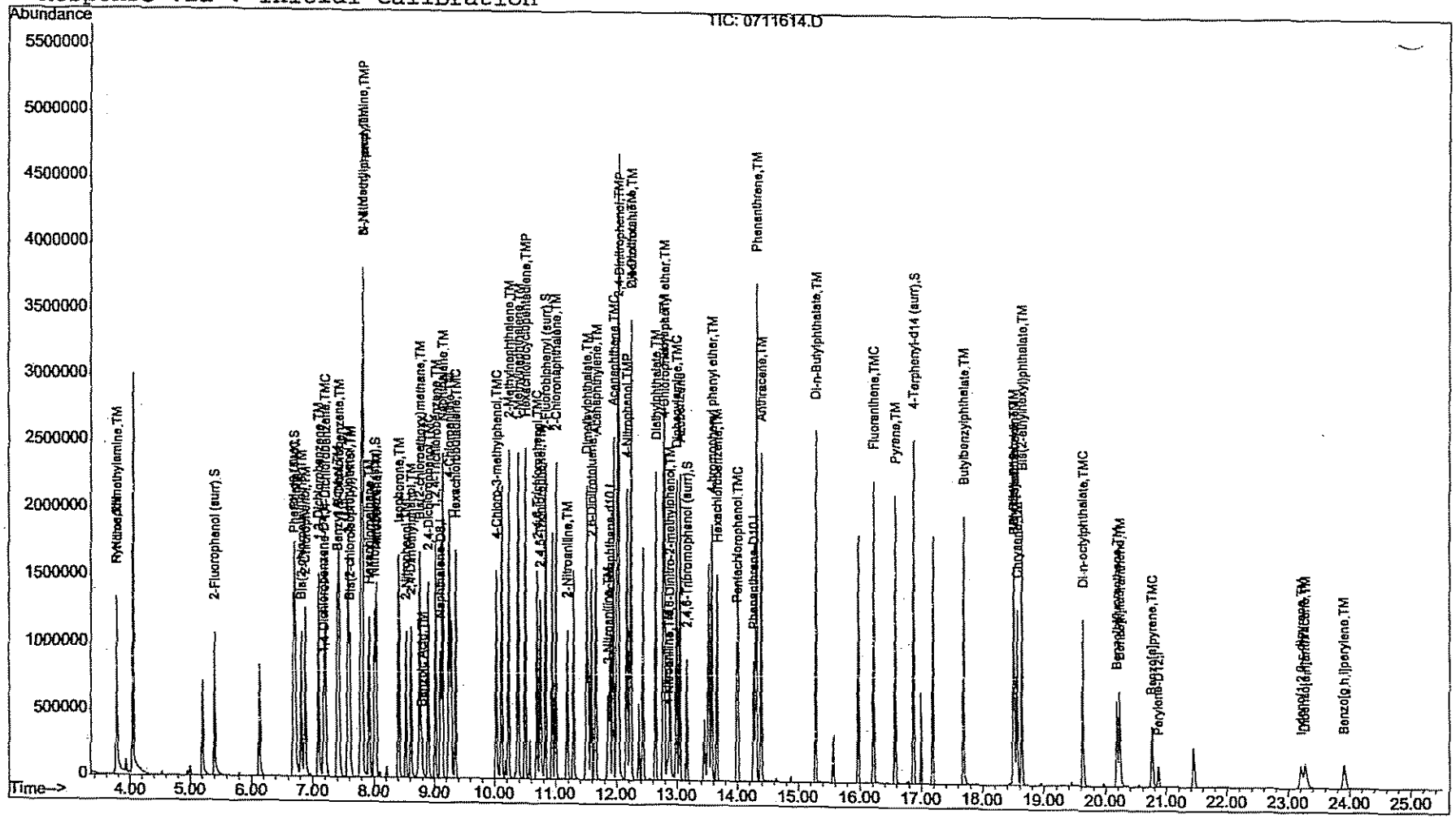
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6071105\0711614.D
Acq On : 11 Jul 2005 9:45 pm
Sample : G161-2047-7J x1 MSD
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jul 13 10:32 2005

Vial: 14
Operator: MRC
Inst : MSD6
Multiplr: 1.00

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



0711614.D 8270.M Wed Jul 13 10:46:21 2005 ENV

8270-BN Prep, Standard, Run Logs

3540 / 8270 SOIL Log

Paradigm Analytical Lab

Batch: 3540/8270 - 3187

Lab ID	EXT	Date	CH2Cl2 Lot #	Initial Wt (g)	Spike ID	Spike Vol (mL)	Final Vol (mL)	Tech's Init
PB3187	PB	2005-07-07	CO196	32.0	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-7J	MSD	2005-07-07	CO196	333.02	QC: 8270SVMS01W14E SR: 8270SRSV03W20B	QC: 1.0 SR: 1.0	10.0	eaw
G161-2047-7I	MS	2005-07-07	CO196	32.67	QC: 8270SVMS01W14E SR: 8270SRSV03W20B	QC: 1.0 SR: 1.0	10.0	eaw
LCS3187	LCS	2005-07-07	CO196	32.0	QC: 8270SVMS01W14E SR: 8270SRSV03W20B	QC: 1.0 SR: 1.0	10.0	eaw
G161-2047-6I	DUP	2005-07-07	CO196	32.12	8270SRSV03W20B	1.0	10.0	eaw
G106-527-1G		2005-07-07	CO196	32.68	8270SRSV03W20B	1.0	10.0	eaw
G106-527-2G		2005-07-07	CO196	32.63	8270SRSV03W20B	1.0	10.0	eaw
G106-527-3G		2005-07-07	CO196	33.20	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-1H		2005-07-07	CO196	35.18	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-2H		2005-07-07	CO196	32.68	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-3H		2005-07-07	CO196	33.26	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-4H		2005-07-07	CO196	32.28	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-5H		2005-07-07	CO196	32.92	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-6H		2005-07-07	CO196	32.08	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-7H		2005-07-07	CO196	32.04	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-8H		2005-07-07	CO196	32.55	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-9H		2005-07-07	CO196	33.77	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-10J		2005-07-07	CO196	32.81	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-11H		2005-07-07	CO196	32.66	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-12I		2005-07-07	CO196	33.24	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-13H		2005-07-07	CO196	32.32	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-14H		2005-07-07	CO196	32.20	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-15H		2005-07-07	CO196	32.68	8270SRSV03W20B	1.0	10.0	eaw
G161-2047-16H		2005-07-07	CO196	33.44	8270SRSV03W20B	1.0	10.0	eaw
G161-2055-1G		2005-07-07	CO196	33.701	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: MWL

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Paradigm Analytical
MSD6 Runlog

Method: 8270 / 625
Matrix: Water / Soil
ICAL Batch ID: 6062705
Batch ID: 6070805

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
0708601.D	DFTPP 50ng	7/8/2005 14:07	OK			MRC	
0708602.D	SVCVS6	7/8/2005 14:29	OK			MRC	
0708603.D	SVCVS24	7/8/2005 15:03	OK			MRC	
0708604.D	G312-90-3D x1	7/8/2005 15:37		OK	OK	MRC	
0708605.D	G197-55-1K x1	7/8/2005 16:11				MRC	
0708606.D	LCS3187 x1	7/8/2005 16:46				MRC	
0708607.D	PB3187 x1	7/8/2005 17:19				MRC	
0708608.D	G106-527-1G x1	7/8/2005 17:54				MRC	
0708609.D	G106-527-2G x1	7/8/2005 18:29				MRC	
0708610.D	G106-527-3G x1	7/8/2005 19:04				MRC	
0708611.D	G161-2047-1H x1	7/8/2005 19:38				MRC	
0708612.D	G161-2047-2H x1	7/8/2005 20:12				MRC	
0708613.D	G161-2047-3H x1	7/8/2005 20:46				MRC	
0708614.D	G161-2047-4H x1	7/8/2005 21:22				MRC	
0708615.D	G161-2047-5H x1	7/8/2005 21:58				MRC	
0708616.D	G161-2047-6H x1	7/8/2005 22:33				MRC	
0708617.D	G161-2047-7H x1	7/8/2005 23:08				MRC	
0708618.D	G161-2047-8H x1	7/8/2005 23:43				MRC	
0708619.D	G161-2047-9H x1	7/9/2005 0:17				MRC	
0708620.D	G161-2047-10J x1	7/9/2005 0:52				MRC	

Analyst: me

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Paradigm Analytical
MSD6 Runlog

Method: 8270 / 625
Matrix: Water / Soil
ICAL Batch ID: 6062705
Batch ID: 6070805

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
0708621.D	G161-2047-11H x1	7/9/2005 1:26		OK	OK	MRC	
0708622.D	G161-2047-12I x1	7/9/2005 2:01				MRC	
0708623.D	G161-2050-1E x1	7/9/2005 2:37				MRC	
0708624.D	G161-2050-2E x1	7/9/2005 3:11				MRC	
0708625.D	G161-2050-3E x1	7/9/2005 3:46				MRC	
0708626.D	G197-55-3K x1	7/9/2005 4:21				MRC	

Analyst: mc

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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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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: MRC

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Paradigm Analytical
MSD7 Runlog

Method: 8270 / 625
Matrix: Water / Soil
Init.Cal. Batch 7062405
Batch: 7071305

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
0713701.D	DFTPP 50ng	7/13/2005 8:06	OK			MRC	
0713702.D	SVCVS6	7/13/2005 8:29	OK			MRC	
0713703.D	SVCVS24	7/13/2005 9:02	OK			MRC	
0713704.D	G563-64-1I x10	7/13/2005 9:37	8310 CONFIRMATION	OK	DIL	MRC	
0713705.D	G238-115-1D x10	7/13/2005 10:12			DIL	MRC	
0713706.D	G161-2048-1H x2	7/13/2005 10:46			OK	MRC	
0713707.D	G100-638-1L x1	7/13/2005 11:20				MRC	
0713708.D	G100-639-1I x1	7/13/2005 11:55				MRC	
0713709.D	G100-640-1I x1	7/13/2005 12:29				MRC	
0713710.D	G100-641-1K x1	7/13/2005 13:03				MRC	
0713711.D	G161-2047-13H x4	7/13/2005 13:37				MRC	
0713712.D	PB3168 x1	7/13/2005 14:11				MRC	
0713713.D	LCS3168 x1	7/13/2005 14:45				MRC	
0713714.D	G161-2043-12E MS x1	7/13/2005 15:19				MRC	
0713715.D	G161-2043-12F MSD x1	7/13/2005 15:54				MRC	
0713716.D	G122-2616-1F x1	7/13/2005 16:28				MRC	
0713717.D	G122-2616-2F x1	7/13/2005 17:03				MRC	
0713718.D	G122-2616-3F x1	7/13/2005 17:38				MRC	
0713719.D	G122-2616-4F x1	7/13/2005 18:13				MRC	
0713720.D	G122-2616-5F x1	7/13/2005 18:47				MRC	

Analyst: MRC

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EPH Sample Raw Data

External Standard Report

ıta File Name : C:\HPCHEM\1\DATA\EP070705\033F3301.D
ɔerator : DCS
ıstrument : GC6
ample Name : G161-2047-1G x1 K
un Time Bar Code: 137791
cquired on : 7 Jul 05 11:52:09 PM
eport Created on: 8 Jul 2005 2:38:56 PM
ast Recalib on : 8 Jul 2005 2:36:09 PM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 33
Injection Number : 1
Sequence Line : 33
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070705\033F3301.D

et Time	Area	Type	Width	Ref#	ng	Name
3.088	57.18001	VV	0.01	1	6.950e-5	nonane
3.888	83.90443	VV	0.02	2	0.00010	decane
5.539	27.99399	VV	0.07	3	3.403e-5	dodecane
6.635	25.13028	VV	0.07	4	3.054e-5	2-FB(frac2)
6.807	10.74281	VV	0.06	5	1.306e-5	tetradecane
7.421	17.58203	VV	0.06	6	2.137e-5	2-BrN(frac)
8.003	8.03373	VV	0.05	7	9.765e-6	hexadecane
9.118	1.74145	VV	0.02	8	2.117e-6	octadecane
9.555	20.66023	VV	0.06	9	2.511e-5	OTP
9.692	8.09819	VV	0.06	10	9.843e-6	nonadecane
10.183	8.23941	VV	0.07	11	1.001e-5	eicosane
11.030	7.42722	VV	0.02	12	9.027e-6	docosane
11.398	2732.36792	VV	0.03	13	0.00332	COD
11.806	40.33136	VV	0.06	14	4.902e-5	tetracosane
12.573	62.83604	VV	0.06	15	7.637e-5	hexacosane
13.286	71.56254	VV	0.05	16	8.698e-5	octacosane
14.047	23.44385	VV	0.03	17	2.850e-5	triacontane
16.215	0.00000	XX	0.00	18	0.00000	hexatriacontane
0.590	1.35687	VP	9.52e	1	1.649e-6	* uncalibrated *
0.697	7.81997e5	VVS	0.03	2	0.95049	* uncalibrated *
1.860	8.04346e7	VVS	0.99	3	97.76503	* uncalibrated *
1.894	9.10060e5	VVS	0.01	4	1.10614	* uncalibrated *
1.935	9264.68945	VVS	0.02	5	0.01126	* uncalibrated *
1.983	1.17195e4	VVS	0.04	6	0.01424	* uncalibrated *
2.026	1.05158e4	VVS	0.03	7	0.01278	* uncalibrated *
2.080	1.59152e4	VVS	0.06	8	0.01934	* uncalibrated *
2.149	9144.94922	VVS	0.03	9	0.01112	* uncalibrated *
2.184	8312.37891	VVS	0.03	10	0.01010	* uncalibrated *
2.238	1.09390e4	VVS	0.04	11	0.01330	* uncalibrated *
2.287	6627.22852	VVS	0.03	12	0.00806	* uncalibrated *
2.336	1.11771e4	VVS	0.05	13	0.01359	* uncalibrated *
2.398	6846.64258	VVS	0.03	14	0.00832	* uncalibrated *
2.438	5111.31104	VVS	0.02	15	0.00621	* uncalibrated *
2.476	5590.10791	VVS	0.03	16	0.00679	* uncalibrated *
2.515	5821.40430	VVS	0.02	17	0.00708	* uncalibrated *
2.560	5424.05029	VVS	0.03	18	0.00659	* uncalibrated *
2.594	6079.81445	VVS	0.03	19	0.00739	* uncalibrated *
2.640	4489.59668	VVS	0.02	20	0.00546	* uncalibrated *
2.679	2468.55444	VVS	0.02	21	0.00300	* uncalibrated *
2.705	1660.29504	VVS	0.02	22	0.00202	* uncalibrated *
2.745	2803.00488	VVS	0.04	23	0.00341	* uncalibrated *
2.784	633.56177	VBAS	0.01	24	0.00077	* uncalibrated *
2.815	19.02792	BP	0.01	25	2.313e-5	* uncalibrated *

N7/11

2.869	24.33116	VV	0.01	26	2.957e-5	*	uncalibrated *
2.936	1.84686	VP	0.01	27	2.245e-6	*	uncalibrated *
2.984	24.05457	VV	0.02	28	2.924e-5	*	uncalibrated *
3.017	7.76719	VP	0.01	29	9.441e-6	*	uncalibrated *
3.131	11.38201	VV	0.01	30	1.383e-5	*	uncalibrated *
3.154	6.59226	VP	0.02	31	8.013e-6	*	uncalibrated *
3.226	24.03865	VV	0.01	32	2.922e-5	*	uncalibrated *
3.282	12.91361	VV	0.02	33	1.570e-5	*	uncalibrated *
3.315	21.45176	VV	0.01	34	2.607e-5	*	uncalibrated *
3.354	27.36616	VV	0.01	35	3.326e-5	*	uncalibrated *
3.409	19.26913	VV	0.02	36	2.342e-5	*	uncalibrated *
3.437	8.62783	VV	0.02	37	1.049e-5	*	uncalibrated *
3.470	6.30330	VV	0.02	38	7.661e-6	*	uncalibrated *
3.516	18.98745	VV	0.02	39	2.308e-5	*	uncalibrated *
3.578	27.35011	VV	0.02	40	3.324e-5	*	uncalibrated *
3.601	14.57572	VV	0.01	41	1.772e-5	*	uncalibrated *
3.655	34.78690	VV	0.03	42	4.228e-5	*	uncalibrated *
3.760	24.94114	VV	0.03	43	3.031e-5	*	uncalibrated *
3.839	16.24645	VV	0.04	44	1.975e-5	*	uncalibrated *
3.968	7.07944	VV	0.02	45	8.605e-6	*	uncalibrated *
3.998	11.78889	VV	0.03	46	1.433e-5	*	uncalibrated *
4.068	30.94874	VV	0.03	47	3.762e-5	*	uncalibrated *
4.127	20.28656	VV	0.03	48	2.466e-5	*	uncalibrated *
4.164	14.64862	VV	0.02	49	1.780e-5	*	uncalibrated *
4.194	13.52534	VV	0.02	50	1.644e-5	*	uncalibrated *
4.236	5.39437	VV	0.02	51	6.557e-6	*	uncalibrated *
4.302	23.10469	VV	0.03	52	2.808e-5	*	uncalibrated *
4.346	11.26419	VV	0.02	53	1.369e-5	*	uncalibrated *
4.397	29.44844	VV	0.04	54	3.579e-5	*	uncalibrated *
4.451	26.52492	VV	0.04	55	3.224e-5	*	uncalibrated *
4.516	8.26830	VV	0.02	56	1.005e-5	*	uncalibrated *
4.550	8.05839	VV	0.02	57	9.795e-6	*	uncalibrated *
4.579	11.64523	VV	0.03	58	1.415e-5	*	uncalibrated *
4.683	76.26354	VV	0.03	59	9.270e-5	*	uncalibrated *
4.738	23.64861	VV	0.03	60	2.874e-5	*	uncalibrated *
4.808	16.03561	VV	0.03	61	1.949e-5	*	uncalibrated *
4.863	25.59144	VV	0.04	62	3.111e-5	*	uncalibrated *
4.932	11.12622	VV	0.02	63	1.352e-5	*	uncalibrated *
4.974	8.38093	VV	0.03	64	1.019e-5	*	uncalibrated *
5.038	10.78664	VV	0.04	65	1.311e-5	*	uncalibrated *
5.109	14.42045	VV	0.04	66	1.753e-5	*	uncalibrated *
5.155	18.24078	VV	0.05	67	2.217e-5	*	uncalibrated *
5.226	9.49024	VV	0.03	68	1.154e-5	*	uncalibrated *
5.266	9.12748	VV	0.03	69	1.109e-5	*	uncalibrated *
5.322	11.25519	VV	0.04	70	1.368e-5	*	uncalibrated *
5.448	36.22779	VV	0.05	71	4.403e-5	*	uncalibrated *
5.710	5.62241	VB	0.05	72	6.834e-6	*	uncalibrated *
5.847	6.15785	BV	0.05	73	7.485e-6	*	uncalibrated *
5.956	10.55276	VV	0.05	74	1.283e-5	*	uncalibrated *
6.160	13.28684	VV	0.06	75	1.615e-5	*	uncalibrated *
7.185	11.74811	VV	0.06	76	1.428e-5	*	uncalibrated *
7.335	10.79402	VV	0.05	77	1.312e-5	*	uncalibrated *
8.270	3.87769	VV	0.05	78	4.713e-6	*	uncalibrated *
8.575	22.42016	VV	0.06	79	2.725e-5	*	uncalibrated *
9.080	7.25169	VV	0.04	80	8.814e-6	*	uncalibrated *
9.896	13.05581	VV	0.06	81	1.587e-5	*	uncalibrated *
9.932	3.98086	VV	0.03	82	4.839e-6	*	uncalibrated *
9.976	3.25818	VV	0.02	83	3.960e-6	*	uncalibrated *
10.062	12.88636	VV	0.05	84	1.566e-5	*	uncalibrated *
10.233	2.62389	VV	0.02	85	3.189e-6	*	uncalibrated *

10.399	12.76568	VV	0.09	86	1.552e-5	*	uncalibrated *
10.519	24.01789	VV	0.07	87	2.919e-5	*	uncalibrated *
10.683	31.04297	VV	0.09	88	3.773e-5	*	uncalibrated *
10.869	28.90004	VV	0.07	89	3.513e-5	*	uncalibrated *
10.960	31.49314	VV	0.06	90	3.828e-5	*	uncalibrated *
11.215	46.24142	VV	0.11	91	5.620e-5	*	uncalibrated *
11.587	32.16625	VV	0.05	92	3.910e-5	*	uncalibrated *
11.662	9.88565	VV	0.02	93	1.202e-5	*	uncalibrated *
11.753	42.60109	VV	0.07	94	5.178e-5	*	uncalibrated *
11.995	53.63226	VV	0.09	95	6.519e-5	*	uncalibrated *
12.042	26.41006	VV	0.04	96	3.210e-5	*	uncalibrated *
12.135	35.45474	VV	0.05	97	4.309e-5	*	uncalibrated *
12.196	55.40386	VV	0.07	98	6.734e-5	*	uncalibrated *
12.296	6.38996	VV	0.01	99	7.767e-6	*	uncalibrated *
12.422	85.23370	VV	0.11	100	0.00010	*	uncalibrated *
12.515	26.79288	VV	0.03	101	3.257e-5	*	uncalibrated *
12.753	78.19771	VV	0.09	102	9.505e-5	*	uncalibrated *
12.932	124.15698	VV	0.11	103	0.00015	*	uncalibrated *
13.103	159.02872	VV	0.08	104	0.00019	*	uncalibrated *
13.220	34.51968	VV	0.04	105	4.196e-5	*	uncalibrated *
13.342	56.07088	VV	0.05	106	6.815e-5	*	uncalibrated *
13.410	20.67259	VV	0.02	107	2.513e-5	*	uncalibrated *
13.499	72.24258	VV	0.07	108	8.781e-5	*	uncalibrated *
13.627	125.55496	VV	0.07	109	0.00015	*	uncalibrated *
13.685	42.01182	VV	0.04	110	5.106e-5	*	uncalibrated *
13.758	56.58385	VV	0.05	111	6.878e-5	*	uncalibrated *
13.826	24.54130	VV	0.02	112	2.983e-5	*	uncalibrated *
13.873	20.17422	VV	0.02	113	2.452e-5	*	uncalibrated *
13.960	98.41019	VV	0.08	114	0.00012	*	uncalibrated *
14.138	77.78482	VV	0.07	115	9.454e-5	*	uncalibrated *
14.275	96.83535	VV	0.07	116	0.00012	*	uncalibrated *
14.369	24.85348	VV	0.03	117	3.021e-5	*	uncalibrated *
14.411	54.81940	VV	0.06	118	6.663e-5	*	uncalibrated *
14.525	26.90319	VV	0.04	119	3.270e-5	*	uncalibrated *
14.590	41.65677	VV	0.05	120	5.063e-5	*	uncalibrated *
14.730	36.83857	VV	0.06	121	4.478e-5	*	uncalibrated *
14.770	16.10321	VV	0.03	122	1.957e-5	*	uncalibrated *
14.853	23.11090	VV	0.04	123	2.809e-5	*	uncalibrated *
14.895	30.58179	VV	0.04	124	3.717e-5	*	uncalibrated *
14.951	24.94946	VV	0.05	125	3.033e-5	*	uncalibrated *
15.051	23.82528	VV	0.07	126	2.896e-5	*	uncalibrated *
15.238	41.52283	VV	0.11	127	5.047e-5	*	uncalibrated *
15.633	22.84608	BV	0.10	128	2.777e-5	*	uncalibrated *

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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External Standard Report

ata File Name : C:\HPCHEM\1\DATA\EP070705\034F3401.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-1G x1 R
un Time Bar Code: 137791
cquired on : 8 Jul 05 12:19:55 AM
eport Created on: 8 Jul 2005 2:43:01 PM
ast Recalib on : 8 Jul 2005 2:42:10 PM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 34
Injection Number : 1
Sequence Line : 34
Instrument Method: PROEPH.M
Analysis Method : EPH-R_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070705\034F3401.D

et Time	Area	Type	Width	Ref#	ng	Name
5.305	256.55872	VV	0.03	1	0.00031	naphthalene
6.102	36.21818	PV	0.04	2	4.365e-5	2-methylnaphthalene
6.617	9378.97656	PB	0.04	3	0.01130	2-FB(frac2)
7.123	9.20507	BP	0.04	4	1.109e-5	acenaphthylene
7.291	6634.72217	VB	0.05	5	0.00800	2-BrN(frac)
7.362	0.00000	XX	0.00	6	0.00000	acenaphthene
8.000	0.00000	XX	0.00	7	0.00000	fluorene
9.002	22.59581	BB	0.05	8	2.723e-5	phenanthrene
9.111	0.00000	XX	0.00	9	0.00000	anthracene
9.557	2446.00732	BB	0.04	10	0.00295	OTP
10.369	72.95541	PB	0.06	11	8.792e-5	fluoranthene
10.607	90.06465	BP	0.05	12	0.00011	pyrene
11.378	10.11705	BB	0.02	13	1.219e-5	COD
12.071	80.17610	VV	0.04	14	9.663e-5	benzo(a)anthracene
12.159	30.95848	VB	0.04	15	3.731e-5	chrysene
13.314	26.78026	VV	0.03	16	3.228e-5	benzo(b)fluoranthene
13.467	121.84611	VV	0.04	17	0.00015	benzo(k)fluoranthene
13.610	35.30552	VV	0.04	18	4.255e-5	benzo(a)pyrene
14.481	35.49430	VV	0.03	19	4.278e-5	indeno(1,2,3-cd)pyrene
14.561	114.97116	VV	0.04	20	0.00014	dibenzo(a,h)anthracene
14.760	177.45190	VV	0.06	21	0.00021	benzo(g,h,i)perylene
0.555	180.35237	PV	0.02	1	0.00022	* uncalibrated *
0.698	7.70925e5	VVS	0.03	2	0.92910	* uncalibrated *
1.877	8.11064e7	VVS	0.99	3	97.74780	* uncalibrated *
1.905	9.29674e5	VVS	0.01	4	1.12042	* uncalibrated *
1.993	1.70973e4	VVS	0.04	5	0.02061	* uncalibrated *
2.045	1.05131e4	VVS	0.02	6	0.01267	* uncalibrated *
2.136	2.32403e4	VVS	0.08	7	0.02801	* uncalibrated *
2.181	8948.41016	VVS	0.02	8	0.01078	* uncalibrated *
2.228	8671.88574	VVS	0.03	9	0.01045	* uncalibrated *
2.258	5799.81934	VVS	0.02	10	0.00699	* uncalibrated *
2.301	9185.89551	VVS	0.03	11	0.01107	* uncalibrated *
2.349	9034.75293	VVS	0.03	12	0.01089	* uncalibrated *
2.394	7572.82031	VVS	0.03	13	0.00913	* uncalibrated *
2.454	9833.25977	VVS	0.04	14	0.01185	* uncalibrated *
2.498	6120.05518	VVS	0.02	15	0.00738	* uncalibrated *
2.536	5789.35254	VVS	0.03	16	0.00698	* uncalibrated *
2.575	6114.88281	VVS	0.03	17	0.00737	* uncalibrated *
2.613	9360.28418	VVS	0.04	18	0.01128	* uncalibrated *
2.681	4276.83447	VVS	0.04	19	0.00515	* uncalibrated *
2.742	2249.83911	VVS	0.02	20	0.00271	* uncalibrated *
2.784	1561.72693	VBS	0.03	21	0.00188	* uncalibrated *
2.857	121.06750	BVX	0.01	22	0.00015	* uncalibrated *

3.033	33.09548	VVX	0.01	23	3.989e-5	* uncalibrated *
3.101	6.43523	VVX	0.02	24	7.756e-6	* uncalibrated *
3.237	2.98885	VVX	0.02	25	3.602e-6	* uncalibrated *
3.281	28.00159	VBX	0.01	26	3.375e-5	* uncalibrated *
3.480	21.02179	BV	0.01	27	2.534e-5	* uncalibrated *
3.511	60.66349	VV	0.01	28	7.311e-5	* uncalibrated *
3.579	85.76537	VV	0.02	29	0.00010	* uncalibrated *
3.630	24.66447	VB	0.01	30	2.973e-5	* uncalibrated *
3.719	18.90040	BB	0.01	31	2.278e-5	* uncalibrated *
3.828	72.31450	BV	0.01	32	8.715e-5	* uncalibrated *
3.887	12.89317	VV	0.02	33	1.554e-5	* uncalibrated *
3.939	7.14834	VV	0.01	34	8.615e-6	* uncalibrated *
3.964	9.41358	VB	0.01	35	1.135e-5	* uncalibrated *
4.056	32.85367	PB	0.02	36	3.959e-5	* uncalibrated *
4.157	105.07750	BB	0.01	37	0.00013	* uncalibrated *
4.280	48.56054	PV	0.02	38	5.852e-5	* uncalibrated *
4.325	45.75588	VV	0.02	39	5.514e-5	* uncalibrated *
4.368	14.43837	VV	0.01	40	1.740e-5	* uncalibrated *
4.411	11.73592	VV	0.02	41	1.414e-5	* uncalibrated *
4.516	33.01301	VV	0.02	42	3.979e-5	* uncalibrated *
4.559	134.20775	VV	0.02	43	0.00016	* uncalibrated *
4.603	20.68686	VV	0.02	44	2.493e-5	* uncalibrated *
4.716	72.18650	VV	0.03	45	8.700e-5	* uncalibrated *
4.793	53.63673	VV	0.02	46	6.464e-5	* uncalibrated *
4.877	5.08854	VV	0.01	47	6.133e-6	* uncalibrated *
4.911	2.03111	VV	0.02	48	2.448e-6	* uncalibrated *
4.966	51.37510	VV	0.02	49	6.192e-5	* uncalibrated *
5.012	19.16811	VV	0.02	50	2.310e-5	* uncalibrated *
5.050	136.81436	VV	0.03	51	0.00016	* uncalibrated *
5.138	39.41409	VV	0.04	52	4.750e-5	* uncalibrated *
5.244	6.23893	VV	0.02	53	7.519e-6	* uncalibrated *
5.415	33.78363	VV	0.03	54	4.072e-5	* uncalibrated *
5.505	10.49768	VB	0.04	55	1.265e-5	* uncalibrated *
5.612	2.10667	BP	0.02	56	2.539e-6	* uncalibrated *
5.686	3.36427	VP	0.02	57	4.055e-6	* uncalibrated *
5.888	5.38099	PP	0.04	58	6.485e-6	* uncalibrated *
6.218	24.13423	VP	0.03	59	2.909e-5	* uncalibrated *
6.931	9.50409	PB	0.03	60	1.145e-5	* uncalibrated *
7.665	8.00802	PV	0.02	61	9.651e-6	* uncalibrated *
7.709	12.15669	VB	0.03	62	1.465e-5	* uncalibrated *
10.927	8.73457	BV	0.05	63	1.053e-5	* uncalibrated *
11.050	22.19024	VV	0.05	64	2.674e-5	* uncalibrated *
11.146	23.58590	VB	0.05	65	2.843e-5	* uncalibrated *
11.245	24.24350	BB	0.06	66	2.922e-5	* uncalibrated *
11.578	11.51716	BV	0.04	67	1.388e-5	* uncalibrated *
11.670	14.53106	VV	0.05	68	1.751e-5	* uncalibrated *
11.791	43.15477	VB	0.06	69	5.201e-5	* uncalibrated *
12.033	50.38232	BV	0.03	70	6.072e-5	* uncalibrated *
12.370	37.16866	BB	0.03	71	4.479e-5	* uncalibrated *
12.534	39.21346	BV	0.06	72	4.726e-5	* uncalibrated *
12.670	44.89350	VB	0.07	73	5.410e-5	* uncalibrated *
12.798	2.11149	BB	0.02	74	2.545e-6	* uncalibrated *
13.217	169.47922	BV	0.04	75	0.00020	* uncalibrated *
13.523	103.02258	VV	0.04	76	0.00012	* uncalibrated *
13.679	25.20579	VV	0.04	77	3.038e-5	* uncalibrated *
13.805	30.48571	VV	0.06	78	3.674e-5	* uncalibrated *
13.892	29.38167	VV	0.06	79	3.541e-5	* uncalibrated *
14.009	43.23281	VB	0.07	80	5.210e-5	* uncalibrated *
14.349	30.79461	PV	0.06	81	3.711e-5	* uncalibrated *
14.402	21.58942	VV	0.04	82	2.602e-5	* uncalibrated *

14.891	32.75224	VB	0.05	83	3.947e-5	* uncalibrated *
15.176	10.36287	BP	0.03	84	1.249e-5	* uncalibrated *
15.362	15.25656	BP	0.05	85	1.839e-5	* uncalibrated *
15.861	39.90237	PV	0.04	86	4.809e-5	* uncalibrated *
16.062	118.73949	VV	0.06	87	0.00014	* uncalibrated *
16.157	523.40594	VB	0.05	88	0.00063	* uncalibrated *
16.377	80.23416	BB	0.11	89	9.670e-5	* uncalibrated *

arning : Calibration warnings (see calibration table listing)
arning : Calibrated compound(s) not found
arning : Elution order of calibrated compounds may have changed

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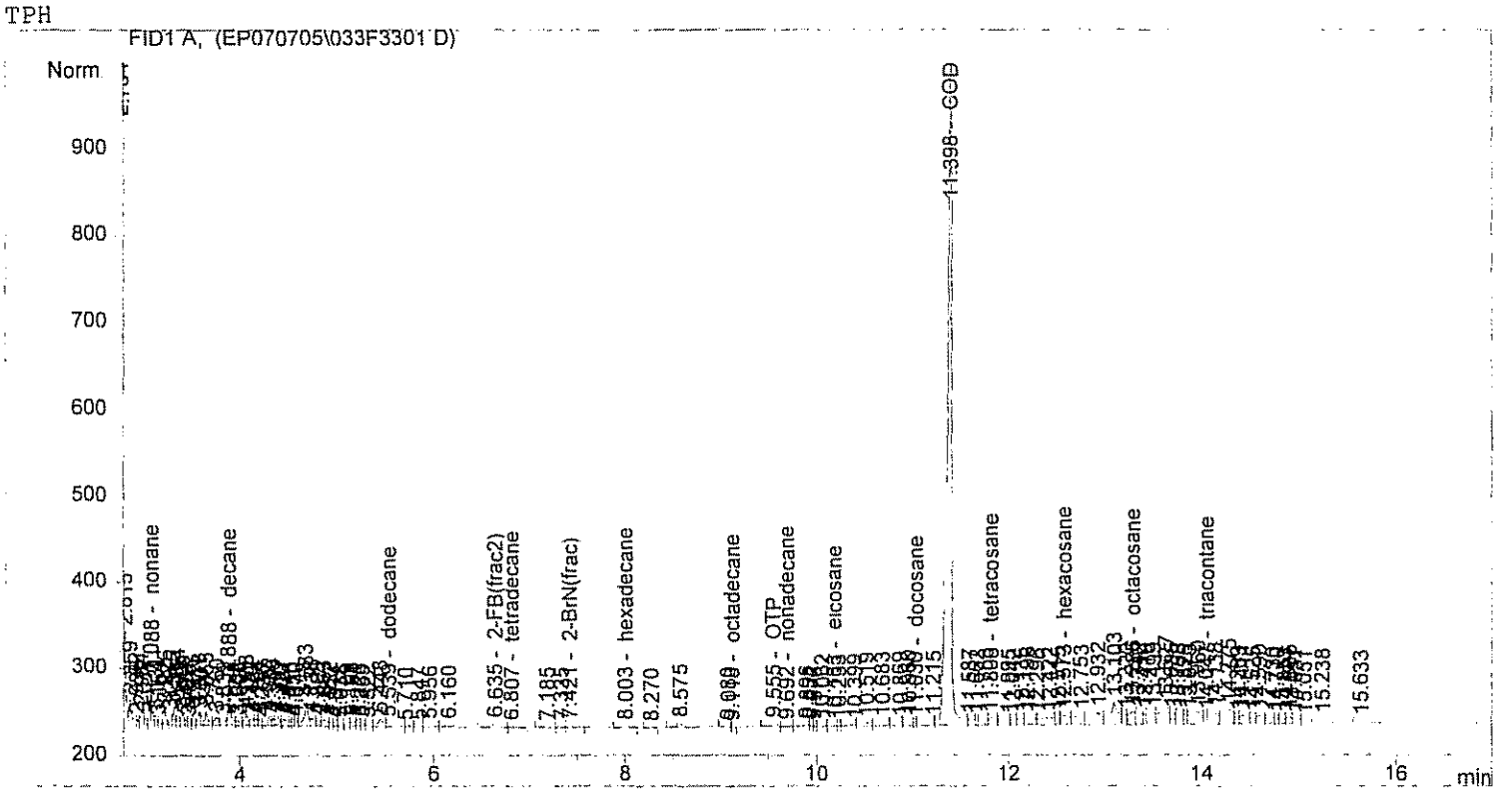
==========================================================================
Injection Date  : 7/7/2005 11:52:09 PM          Seq. Line :  33
Sample Name     : 137791 x1 K                    Location : Vial 33
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                           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 2:35:13 PM by DCS
                  (modified after loading)
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/8/2005 2:36:09 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	3.088	VV	0.0165	57.18001	6.950e-5	nonane
2	3.888	VV	0.0243	83.90443	0.00010	decane
3	5.539	VV	0.0793	27.99399	3.403e-5	dodecane
4	6.635	VV	0.0704	25.13028	3.054e-5	2-FB(frac2)
5	6.807	VV	0.0614	10.74281	1.306e-5	tetradecane
6	7.421	VV	0.0683	17.58203	2.137e-5	2-BrN(frac)
7	8.003	VV	0.0591	8.03373	9.765e-6	hexadecane
8	9.118	VV	0.0237	1.74145	2.117e-6	octadecane
9	9.555	VV	0.0633	20.66023	2.511e-5	OTP
10	9.692	VV	0.0629	8.09819	9.843e-6	nonadecane
11	10.183	VV	0.0746	8.23941	1.001e-5	eicosane
12	11.030	VV	0.0286	7.42722	9.027e-6	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.398	VV	0.0364	2732.36792	0.00332	COD
14	11.806	VV	0.0637	40.33136	4.902e-5	tetracosane
15	12.573	VV	0.0693	62.83604	7.637e-5	hexacosane
16	13.286	VV	0.0592	71.56254	8.698e-5	octacosane
17	14.047	VV	0.0366	23.44385	2.850e-5	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 3207.27550 3.898e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.590	VP	9.52e-3	1.35687	1.649e-6	?
2	0.697	VV S	0.0328	7.81997e5	0.95049	?
3	1.860	VV S	0.9932	8.04346e7	97.76503	?
4	1.894	VV S	0.0190	9.10060e5	1.10614	?
5	1.935	VV S	0.0256	9264.68945	0.01126	?
6	1.983	VV S	0.0421	1.17195e4	0.01424	?
7	2.026	VV S	0.0314	1.05158e4	0.01278	?
8	2.080	VV S	0.0687	1.59152e4	0.01934	?
9	2.149	VV S	0.0366	9144.94922	0.01112	?
10	2.184	VV S	0.0369	8312.37891	0.01010	?
11	2.238	VV S	0.0435	1.09390e4	0.01330	?
12	2.287	VV S	0.0310	6627.22852	0.00806	?
13	2.336	VV S	0.0530	1.11771e4	0.01359	?
14	2.398	VV S	0.0332	6846.64258	0.00832	?
15	2.438	VV S	0.0299	5111.31104	0.00621	?
16	2.476	VV S	0.0341	5590.10791	0.00679	?
17	2.515	VV S	0.0298	5821.40430	0.00708	?
18	2.560	VV S	0.0324	5424.05029	0.00659	?
19	2.594	VV S	0.0337	6079.81445	0.00739	?
20	2.640	VV S	0.0280	4489.59668	0.00546	?
21	2.679	VV S	0.0239	2468.55444	0.00300	?
22	2.705	VV S	0.0210	1660.29504	0.00202	?
23	2.745	VV S	0.0433	2803.00488	0.00341	?
24	2.784	VBAS	0.0149	633.56177	0.00077	?
25	2.815	BP	0.0112	19.02792	2.313e-5	?
26	2.869	VV	0.0166	24.33116	2.957e-5	?
27	2.936	VP	0.0129	1.84686	2.245e-6	?
28	2.984	VV	0.0250	24.05457	2.924e-5	?
29	3.017	VP	0.0167	7.76719	9.441e-6	?
30	3.131	VV	0.0177	11.38201	1.383e-5	?
31	3.154	VP	0.0216	6.59226	8.013e-6	?
32	3.226	VV	0.0191	24.03865	2.922e-5	?
33	3.282	VV	0.0206	12.91361	1.570e-5	?
34	3.315	VV	0.0190	21.45176	2.607e-5	?
35	3.354	VV	0.0196	27.36616	3.326e-5	?
36	3.409	VV	0.0222	19.26913	2.342e-5	?
37	3.437	VV	0.0203	8.62783	1.049e-5	?
38	3.470	VV	0.0269	6.30330	7.661e-6	?
39	3.516	VV	0.0226	18.98745	2.308e-5	?
40	3.578	VV	0.0244	27.35011	3.324e-5	?
41	3.601	VV	0.0168	14.57572	1.772e-5	?
42	3.655	VV	0.0307	34.78690	4.228e-5	?
43	3.760	VV	0.0364	24.94114	3.031e-5	?
44	3.839	VV	0.0428	16.24645	1.975e-5	?
45	3.968	VV	0.0211	7.07944	8.605e-6	?
46	3.998	VV	0.0303	11.78889	1.433e-5	?
47	4.068	VV	0.0305	30.94874	3.762e-5	?
48	4.127	VV	0.0305	20.28656	2.466e-5	?
49	4.164	VV	0.0266	14.64862	1.780e-5	?
50	4.194	VV	0.0280	13.52534	1.644e-5	?
51	4.236	VV	0.0227	5.39437	6.557e-6	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
52	4.302	VV	0.0313	23.10469	2.808e-5	?
53	4.346	VV	0.0212	11.26419	1.369e-5	?
54	4.397	VV	0.0423	29.44844	3.579e-5	?
55	4.451	VV	0.0422	26.52492	3.224e-5	?
56	4.516	VV	0.0209	8.26830	1.005e-5	?
57	4.550	VV	0.0236	8.05839	9.795e-6	?
58	4.579	VV	0.0323	11.64523	1.415e-5	?
59	4.683	VV	0.0391	76.26354	9.270e-5	?
60	4.738	VV	0.0350	23.64861	2.874e-5	?
61	4.808	VV	0.0372	16.03561	1.949e-5	?
62	4.863	VV	0.0417	25.59144	3.111e-5	?
63	4.932	VV	0.0294	11.12622	1.352e-5	?
64	4.974	VV	0.0334	8.38093	1.019e-5	?
65	5.038	VV	0.0451	10.78664	1.311e-5	?
66	5.109	VV	0.0409	14.42045	1.753e-5	?
67	5.155	VV	0.0523	18.24078	2.217e-5	?
68	5.226	VV	0.0338	9.49024	1.154e-5	?
69	5.266	VV	0.0332	9.12748	1.109e-5	?
70	5.322	VV	0.0478	11.25519	1.368e-5	?
71	5.448	VV	0.0562	36.22779	4.403e-5	?
72	5.710	VB	0.0564	5.62241	6.834e-6	?
73	5.847	BV	0.0579	6.15785	7.485e-6	?
74	5.956	VV	0.0560	10.55276	1.283e-5	?
75	6.160	VV	0.0655	13.28684	1.615e-5	?
76	7.185	VV	0.0699	11.74811	1.428e-5	?
77	7.335	VV	0.0521	10.79402	1.312e-5	?
78	8.270	VV	0.0511	3.87769	4.713e-6	?
79	8.575	VV	0.0608	22.42016	2.725e-5	?
80	9.080	VV	0.0476	7.25169	8.814e-6	?
81	9.896	VV	0.0659	13.05581	1.587e-5	?
82	9.932	VV	0.0325	3.98086	4.839e-6	?
83	9.976	VV	0.0247	3.25818	3.960e-6	?
84	10.062	VV	0.0539	12.88636	1.566e-5	?
85	10.233	VV	0.0288	2.62389	3.189e-6	?
86	10.399	VV	0.0907	12.76568	1.552e-5	?
87	10.519	VV	0.0758	24.01789	2.919e-5	?
88	10.683	VV	0.0912	31.04297	3.773e-5	?
89	10.869	VV	0.0784	28.90004	3.513e-5	?
90	10.960	VV	0.0636	31.49314	3.828e-5	?
91	11.215	VV	0.1199	46.24142	5.620e-5	?
92	11.587	VV	0.0569	32.16625	3.910e-5	?
93	11.662	VV	0.0234	9.88565	1.202e-5	?
94	11.753	VV	0.0720	42.60109	5.178e-5	?
95	11.995	VV	0.0998	53.63226	6.519e-5	?
96	12.042	VV	0.0472	26.41006	3.210e-5	?
97	12.135	VV	0.0592	35.45474	4.309e-5	?
98	12.196	VV	0.0796	55.40386	6.734e-5	?
99	12.296	VV	0.0136	6.38996	7.767e-6	?
100	12.422	VV	0.1182	85.23370	0.00010	?
101	12.515	VV	0.0368	26.79288	3.257e-5	?
102	12.753	VV	0.0966	78.19771	9.505e-5	?
103	12.932	VV	0.1118	124.15698	0.00015	?
104	13.103	VV	0.0826	159.02872	0.00019	?
105	13.220	VV	0.0411	34.51968	4.196e-5	?
106	13.342	VV	0.0550	56.07088	6.815e-5	?
107	13.410	VV	0.0235	20.67259	2.513e-5	?
108	13.499	VV	0.0701	72.24258	8.781e-5	?
109	13.627	VV	0.0771	125.55496	0.00015	?
110	13.685	VV	0.0424	42.01182	5.106e-5	?
111	13.758	VV	0.0565	56.58385	6.878e-5	?
112	13.826	VV	0.0290	24.54130	2.983e-5	?
113	13.873	VV	0.0265	20.17422	2.452e-5	?
114	13.960	VV	0.0835	98.41019	0.00012	?
115	14.138	VV	0.0775	77.78482	9.454e-5	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
116	14.275	VV	0.0748	96.83535	0.00012	?
117	14.369	VV	0.0381	24.85348	3.021e-5	?
118	14.411	VV	0.0658	54.81940	6.663e-5	?
119	14.525	VV	0.0451	26.90319	3.270e-5	?
120	14.590	VV	0.0566	41.65677	5.063e-5	?
121	14.730	VV	0.0653	36.83857	4.478e-5	?
122	14.770	VV	0.0367	16.10321	1.957e-5	?
123	14.853	VV	0.0461	23.11090	2.809e-5	?
124	14.895	VV	0.0467	30.58179	3.717e-5	?
125	14.951	VV	0.0585	24.94946	3.033e-5	?
126	15.051	VV	0.0749	23.82528	2.896e-5	?
127	15.238	VV	0.1108	41.52283	5.047e-5	?
128	15.633	BV	0.1023	22.84608	2.777e-5	?

Uncalib. totals : 8.22702e7 99.9961

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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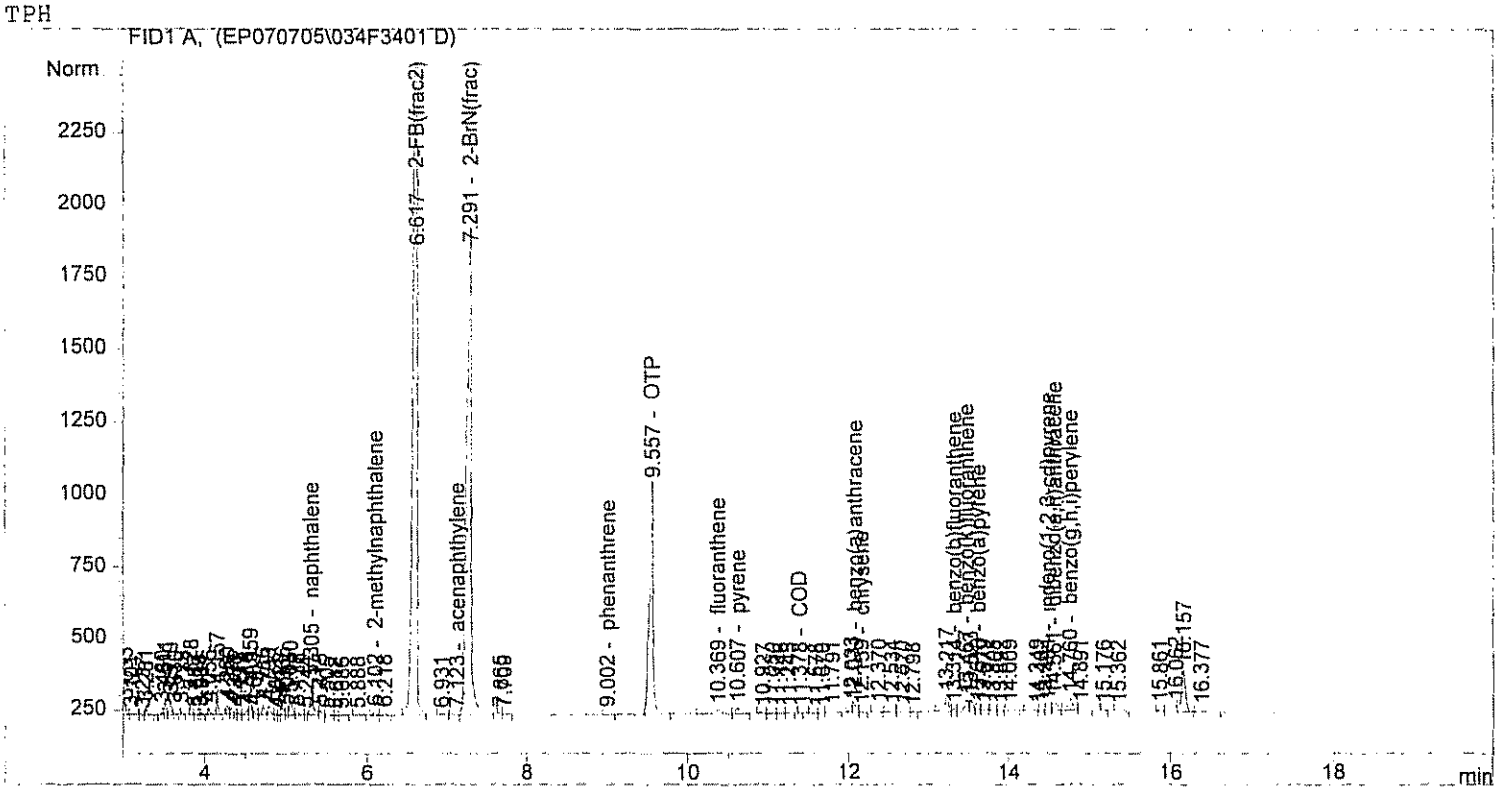
*** End of Report ***

```
==========================================================================
Injection Date  : 7/8/2005 12:19:55 AM          Seq. Line :  34
Sample Name     : 137791 x1 R                    Location : Vial 34
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 2:42:04 PM by DCS
                  (modified after loading)
```

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/8/2005 2:42:10 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	5.305	VV	0.0315	256.55872	0.00031	naphthalene
2	6.102	PV	0.0425	36.21818	4.365e-5	2-methylnaphthalene
3	6.617	PB	0.0455	9378.97656	0.01130	2-FB(frac2)
4	7.123	BP	0.0467	9.20507	1.109e-5	acenaphthylene
5	7.291	VB	0.0520	6634.72217	0.00800	2-BrN(frac)
6	7.362		0.0000	0.00000	0.00000	acenaphthene
7	8.000		0.0000	0.00000	0.00000	fluorene
8	9.002	BB	0.0560	22.59581	2.723e-5	phenanthrene
9	9.111		0.0000	0.00000	0.00000	anthracene
10	9.557	BB	0.0415	2446.00732	0.00295	OTP
11	10.369	PB	0.0686	72.95541	8.792e-5	fluoranthene
12	10.607	BP	0.0591	90.06465	0.00011	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.378	BB	0.0266	10.11705	1.219e-5	COD
14	12.071	VV	0.0467	80.17610	9.663e-5	benzo(a)anthracene
15	12.159	VB	0.0416	30.95848	3.731e-5	chrysene
16	13.314	VV	0.0362	26.78026	3.228e-5	benzo(b)fluoranthene
17	13.467	VV	0.0423	121.84611	0.00015	benzo(k)fluoranthene
18	13.610	VV	0.0403	35.30552	4.255e-5	benzo(a)pyrene
19	14.481	VV	0.0337	35.49430	4.278e-5	indeno(1,2,3-cd)pyrene
20	14.561	VV	0.0483	114.97116	0.00014	dibenzo(a,h)anthracene
21	14.760	VV	0.0615	177.45190	0.00021	benzo(g,h,i)perylene
Totals :				1.95804e4	2.360e-2	

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.555	PV	0.0200	180.35237	0.00022	?
2	0.698	VV S	0.0325	7.70925e5	0.92910	?
3	1.877	VV S	0.9960	8.11064e7	97.74780	?
4	1.905	VV S	0.0197	9.29674e5	1.12042	?
5	1.993	VV S	0.0470	1.70973e4	0.02061	?
6	2.045	VV S	0.0285	1.05131e4	0.01267	?
7	2.136	VV S	0.0874	2.32403e4	0.02801	?
8	2.181	VV S	0.0292	8948.41016	0.01078	?
9	2.228	VV S	0.0362	8671.88574	0.01045	?
10	2.258	VV S	0.0243	5799.81934	0.00699	?
11	2.301	VV S	0.0364	9185.89551	0.01107	?
12	2.349	VV S	0.0390	9034.75293	0.01089	?
13	2.394	VV S	0.0313	7572.82031	0.00913	?
14	2.454	VV S	0.0471	9833.25977	0.01185	?
15	2.498	VV S	0.0287	6120.05518	0.00738	?
16	2.536	VV S	0.0318	5789.35254	0.00698	?
17	2.575	VV S	0.0315	6114.88281	0.00737	?
18	2.613	VV S	0.0474	9360.28418	0.01128	?
19	2.681	VV S	0.0476	4276.83447	0.00515	?
20	2.742	VV S	0.0276	2249.83911	0.00271	?
21	2.784	VB S	0.0301	1561.72693	0.00188	?
22	2.857	BV X	0.0148	121.06750	0.00015	?
23	3.033	VV X	0.0166	33.09548	3.989e-5	?
24	3.101	VV X	0.0275	6.43523	7.756e-6	?
25	3.237	VV X	0.0296	2.98885	3.602e-6	?
26	3.281	VB X	0.0164	28.00159	3.375e-5	?
27	3.480	BV	0.0151	21.02179	2.534e-5	?
28	3.511	VV	0.0165	60.66349	7.311e-5	?
29	3.579	VV	0.0260	85.76537	0.00010	?
30	3.630	VB	0.0189	24.66447	2.973e-5	?
31	3.719	BB	0.0166	18.90040	2.278e-5	?
32	3.828	BV	0.0175	72.31450	8.715e-5	?
33	3.887	VV	0.0253	12.89317	1.554e-5	?
34	3.939	VV	0.0174	7.14834	8.615e-6	?
35	3.964	VB	0.0190	9.41358	1.135e-5	?
36	4.056	PB	0.0217	32.85367	3.959e-5	?
37	4.157	BB	0.0181	105.07750	0.00013	?
38	4.280	PV	0.0262	48.56054	5.852e-5	?
39	4.325	VV	0.0278	45.75588	5.514e-5	?
40	4.368	VV	0.0195	14.43837	1.740e-5	?
41	4.411	VV	0.0209	11.73592	1.414e-5	?
42	4.516	VV	0.0254	33.01301	3.979e-5	?
43	4.559	VV	0.0205	134.20775	0.00016	?
44	4.603	VV	0.0228	20.68686	2.493e-5	?
45	4.716	VV	0.0301	72.18650	8.700e-5	?
46	4.793	VV	0.0259	53.63673	6.464e-5	?
47	4.877	VV	0.0191	5.08854	6.133e-6	?
48	4.911	VV	0.0202	2.03111	2.448e-6	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
49	4.966	VV	0.0216	51.37510	6.192e-5	?
50	5.012	VV	0.0223	19.16811	2.310e-5	?
51	5.050	VV	0.0325	136.81436	0.00016	?
52	5.138	VV	0.0463	39.41409	4.750e-5	?
53	5.244	VV	0.0262	6.23893	7.519e-6	?
54	5.415	VV	0.0341	33.78363	4.072e-5	?
55	5.505	VB	0.0463	10.49768	1.265e-5	?
56	5.612	BP	0.0284	2.10667	2.539e-6	?
57	5.686	VP	0.0273	3.36427	4.055e-6	?
58	5.888	PP	0.0401	5.38099	6.485e-6	?
59	6.218	VP	0.0365	24.13423	2.909e-5	?
60	6.931	PB	0.0394	9.50409	1.145e-5	?
61	7.665	PV	0.0289	8.00802	9.651e-6	?
62	7.709	VB	0.0370	12.15669	1.465e-5	?
63	10.927	BV	0.0512	8.73457	1.053e-5	?
64	11.050	VV	0.0574	22.19024	2.674e-5	?
65	11.146	VB	0.0568	23.58590	2.843e-5	?
66	11.245	BB	0.0656	24.24350	2.922e-5	?
67	11.578	BV	0.0457	11.51716	1.388e-5	?
68	11.670	VV	0.0534	14.53106	1.751e-5	?
69	11.791	VB	0.0631	43.15477	5.201e-5	?
70	12.033	BV	0.0321	50.38232	6.072e-5	?
71	12.370	BB	0.0377	37.16866	4.479e-5	?
72	12.534	BV	0.0617	39.21346	4.726e-5	?
73	12.670	VB	0.0759	44.89350	5.410e-5	?
74	12.798	BB	0.0248	2.11149	2.545e-6	?
75	13.217	BV	0.0483	169.47922	0.00020	?
76	13.523	VV	0.0423	103.02258	0.00012	?
77	13.679	VV	0.0498	25.20579	3.038e-5	?
78	13.805	VV	0.0623	30.48571	3.674e-5	?
79	13.892	VV	0.0625	29.38167	3.541e-5	?
80	14.009	VB	0.0788	43.23281	5.210e-5	?
81	14.349	PV	0.0667	30.79461	3.711e-5	?
82	14.402	VV	0.0412	21.58942	2.602e-5	?
83	14.891	VB	0.0590	32.75224	3.947e-5	?
84	15.176	BP	0.0392	10.36287	1.249e-5	?
85	15.362	BP	0.0597	15.25656	1.839e-5	?
86	15.861	PV	0.0445	39.90237	4.809e-5	?
87	16.062	VV	0.0667	118.73949	0.00014	?
88	16.157	VB	0.0538	523.40594	0.00063	?
89	16.377	BB	0.1199	80.23416	9.670e-5	?

Uncalib. totals : 8.29556e7 99.9764

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 ***

External Standard Report

ıta File Name : C:\HPCHEM\1\DATA\EP070605\021F2101.D
)erator : DCS
ıstrument : GC6
ımple Name : G161-2047-2G x1 T
ın Time Bar Code: 137792
cquired on : 6 Jul 05 7:30:07 PM
eport Created on: 7 Jul 2005 9:35:15 AM
ast Recalib on : 8 Jun 2005 10:16:23 AM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 21
Injection Number : 1
Sequence Line : 21
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070605\021F2101.D

et Time	Area	Type	Width	Ref#	ng	Name
3.072	0.00000	XX	0.00	1	0.00000	nonane
3.889	4.23500	VP	0.04	2	5.190e-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
9.564	3319.04810	PB	0.03	9	0.00407	OTP
9.605	0.00000	XX	0.00	10	0.00000	nonadecane
10.154	0.00000	XX	0.00	11	0.00000	eicosane
10.960	2.15734	VB	0.02	12	2.644e-6	docosane
11.400	2945.59985	PV	0.03	13	0.00361	COD
11.810	11.61102	VB	0.05	14	1.423e-5	tetracosane
12.578	8.38936	BV	0.04	15	1.028e-5	hexacosane
13.398	6.43187	VV	0.05	16	7.883e-6	octacosane
13.961	42.71603	VV	0.06	17	5.235e-5	triacontane
16.102	20.22762	BV	0.11	18	2.479e-5	hexatriacontane
0.562	337.02838	VV	0.01	1	0.00041	* uncalibrated *
0.593	2586.35229	VVS	0.01	2	0.00317	* uncalibrated *
1.759	8.06212e7	VVS	0.70	3	98.80465	* uncalibrated *
1.870	8.11877e5	VVS	0.01	4	0.99499	* uncalibrated *
1.910	7241.34570	VVS	0.01	5	0.00887	* uncalibrated *
1.934	7117.60059	VVS	0.02	6	0.00872	* uncalibrated *
1.975	1.15267e4	VVS	0.03	7	0.01413	* uncalibrated *
2.008	1.11845e4	VVS	0.03	8	0.01371	* uncalibrated *
2.058	1.19619e4	VVS	0.04	9	0.01466	* uncalibrated *
2.109	7478.17285	VVS	0.02	10	0.00916	* uncalibrated *
2.157	9812.11230	VVS	0.04	11	0.01203	* uncalibrated *
2.199	9290.79004	VVS	0.03	12	0.01139	* uncalibrated *
2.257	1.02364e4	VVS	0.05	13	0.01255	* uncalibrated *
2.287	6186.15137	VVS	0.03	14	0.00758	* uncalibrated *
2.334	9159.72461	VVS	0.04	15	0.01123	* uncalibrated *
2.386	7658.31494	VVS	0.03	16	0.00939	* uncalibrated *
2.431	7448.90332	VVS	0.03	17	0.00913	* uncalibrated *
2.469	5717.64551	VVS	0.02	18	0.00701	* uncalibrated *
2.503	6064.46680	VVS	0.03	19	0.00743	* uncalibrated *
2.552	6816.07666	VVS	0.03	20	0.00835	* uncalibrated *
2.597	6991.84912	VVS	0.04	21	0.00857	* uncalibrated *
2.642	4112.08057	VVS	0.02	22	0.00504	* uncalibrated *
2.667	3341.05298	VVS	0.03	23	0.00409	* uncalibrated *
2.730	3011.63623	VVS	0.05	24	0.00369	* uncalibrated *
2.783	1052.19763	VBAS	0.02	25	0.00129	* uncalibrated *

3.477	18.07756	BV	0.02	26	2.215e-5	*	uncalibrated *
3.559	10.49205	VV	0.03	27	1.286e-5	*	uncalibrated *
10.918	2.55657	VV	0.02	28	3.133e-6	*	uncalibrated *
11.634	4.75975	VV	0.05	29	5.833e-6	*	uncalibrated *
11.730	25.95481	VV	0.06	30	3.181e-5	*	uncalibrated *
12.200	4.48609	VP	0.03	31	5.498e-6	*	uncalibrated *
12.943	17.13202	VV	0.05	32	2.100e-5	*	uncalibrated *
13.292	26.39230	VV	0.05	33	3.234e-5	*	uncalibrated *
13.631	38.40954	VV	0.06	34	4.707e-5	*	uncalibrated *
13.842	14.62781	VV	0.07	35	1.793e-5	*	uncalibrated *
14.161	23.55834	VV	0.08	36	2.887e-5	*	uncalibrated *
14.282	43.43110	VV	0.05	37	5.323e-5	*	uncalibrated *
14.387	32.15255	VV	0.06	38	3.940e-5	*	uncalibrated *
14.474	29.45639	VV	0.06	39	3.610e-5	*	uncalibrated *
14.592	62.46837	VV	0.07	40	7.656e-5	*	uncalibrated *
14.752	38.98277	VV	0.09	41	4.778e-5	*	uncalibrated *
14.897	61.18512	VV	0.07	42	7.498e-5	*	uncalibrated *
15.051	33.02665	VV	0.07	43	4.048e-5	*	uncalibrated *
15.110	24.73409	VV	0.05	44	3.031e-5	*	uncalibrated *
15.243	73.78452	VV	0.10	45	9.043e-5	*	uncalibrated *
15.633	194.56631	VV	0.23	46	0.00024	*	uncalibrated *
15.913	4.91256	VV	0.04	47	6.021e-6	*	uncalibrated *
15.959	5.14126	VB	0.04	48	6.301e-6	*	uncalibrated *

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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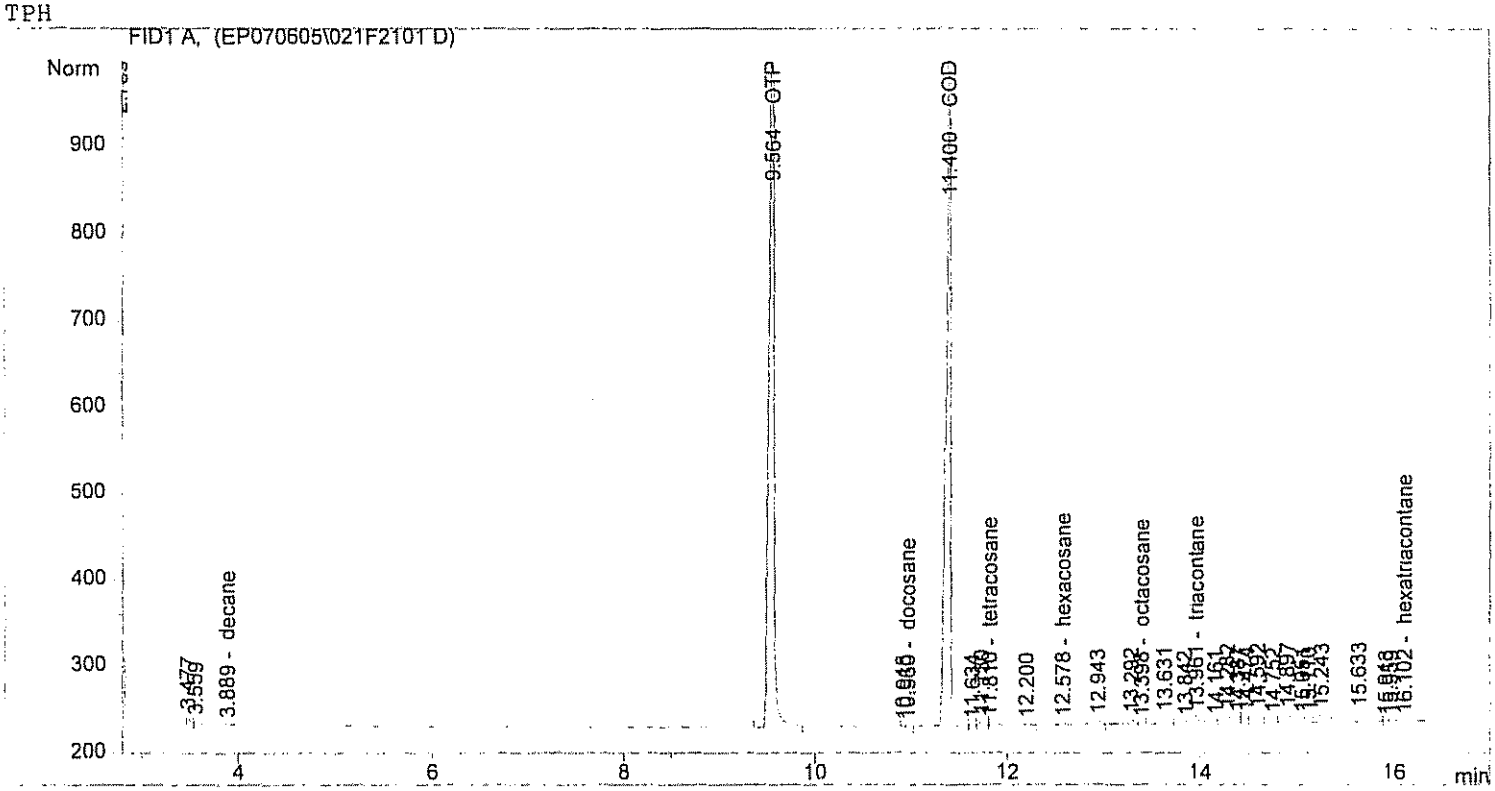
```
==========================================================================
Injection Date  : 7/6/2005 7:30:07 PM          Seq. Line :  21
Sample Name     : 137792 x1 T                   Location : Vial 21
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          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    : 6/8/2005 10:16:35 AM by CLP
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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	3.889	VP	0.0439	4.23500	5.190e-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	9.564	PB	0.0394	3319.04810	0.00407	OTP
10	9.605		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	10.960	VB	0.0288	2.15734	2.644e-6	docosane
13	11.400	PV	0.0355	2945.59985	0.00361	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.810	VB	0.0533	11.61102	1.423e-5	tetracosane
15	12.578	BV	0.0418	8.38936	1.028e-5	hexacosane
16	13.398	VV	0.0553	6.43187	7.883e-6	octacosane
17	13.961	VV	0.0681	42.71603	5.235e-5	triacontane
18	16.102	BV	0.1155	20.22762	2.479e-5	hexatriacontane

Totals : 6360.41619 7.795e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.562	VV	0.0118	337.02838	0.00041	?
2	0.593	VV S	0.0108	2586.35229	0.00317	?
3	1.759	VV S	0.7003	8.06212e7	98.80465	?
4	1.870	VV S	0.0175	8.11877e5	0.99499	?
5	1.910	VV S	0.0197	7241.34570	0.00887	?
6	1.934	VV S	0.0222	7117.60059	0.00872	?
7	1.975	VV S	0.0354	1.15267e4	0.01413	?
8	2.008	VV S	0.0367	1.11845e4	0.01371	?
9	2.058	VV S	0.0412	1.19619e4	0.01466	?
10	2.109	VV S	0.0241	7478.17285	0.00916	?
11	2.157	VV S	0.0461	9812.11230	0.01203	?
12	2.199	VV S	0.0379	9290.79004	0.01139	?
13	2.257	VV S	0.0507	1.02364e4	0.01255	?
14	2.287	VV S	0.0325	6186.15137	0.00758	?
15	2.334	VV S	0.0429	9159.72461	0.01123	?
16	2.386	VV S	0.0383	7658.31494	0.00939	?
17	2.431	VV S	0.0308	7448.90332	0.00913	?
18	2.469	VV S	0.0259	5717.64551	0.00701	?
19	2.503	VV S	0.0341	6064.46680	0.00743	?
20	2.552	VV S	0.0311	6816.07666	0.00835	?
21	2.597	VV S	0.0404	6991.84912	0.00857	?
22	2.642	VV S	0.0248	4112.08057	0.00504	?
23	2.667	VV S	0.0381	3341.05298	0.00409	?
24	2.730	VV S	0.0520	3011.63623	0.00369	?
25	2.783	VBAS	0.0259	1052.19763	0.00129	?
26	3.477	BV	0.0242	18.07756	2.215e-5	?
27	3.559	VV	0.0365	10.49205	1.286e-5	?
28	10.918	VV	0.0266	2.55657	3.133e-6	?
29	11.634	VV	0.0519	4.75975	5.833e-6	?
30	11.730	VV	0.0667	25.95481	3.181e-5	?
31	12.200	VP	0.0377	4.48609	5.498e-6	?
32	12.943	VV	0.0517	17.13202	2.100e-5	?
33	13.292	VV	0.0563	26.39230	3.234e-5	?
34	13.631	VV	0.0655	38.40954	4.707e-5	?
35	13.842	VV	0.0747	14.62781	1.793e-5	?
36	14.161	VV	0.0894	23.55834	2.887e-5	?
37	14.282	VV	0.0576	43.43110	5.323e-5	?
38	14.387	VV	0.0692	32.15255	3.940e-5	?
39	14.474	VV	0.0636	29.45639	3.610e-5	?
40	14.592	VV	0.0755	62.46837	7.656e-5	?
41	14.752	VV	0.0909	38.98277	4.778e-5	?
42	14.897	VV	0.0761	61.18512	7.498e-5	?
43	15.051	VV	0.0783	33.02665	4.048e-5	?
44	15.110	VV	0.0572	24.73409	3.031e-5	?
45	15.243	VV	0.1021	73.78452	9.043e-5	?
46	15.633	VV	0.2310	194.56631	0.00024	?
47	15.913	VV	0.0402	4.91256	6.021e-6	?
48	15.959	VB	0.0484	5.14126	6.301e-6	?

Uncalib. totals : 8.15902e7 99.9922

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

ata File Name : C:\HPCHEM\1\DATA\EP070605\022F2201.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-3G x1 T
un Time Bar Code: 137793
cquired on : 6 Jul 05 7:56:45 PM
eport Created on: 7 Jul 2005 9:35:28 AM
ast Recalib on : 8 Jun 2005 10:16:23 AM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 22
Injection Number : 1
Sequence Line : 22
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070605\022F2201.D

et Time	Area	Type	Width	Ref#	ng	Name
3.072	0.00000	XX	0.00	1	0.00000	nonane
3.889	2.74687	VV	0.03	2	3.291e-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
9.566	3328.35498	PB	0.03	9	0.00399	OTP
9.605	0.00000	XX	0.00	10	0.00000	nonadecane
10.154	0.00000	XX	0.00	11	0.00000	eicosane
10.962	1.85307	VB	0.02	12	2.220e-6	docosane
11.400	2985.89526	BV	0.03	13	0.00358	COD
11.831	8.15321	VB	0.04	14	9.768e-6	tetracosane
12.587	11.82414	VP	0.03	15	1.417e-5	hexacosane
13.297	25.60705	BV	0.03	16	3.068e-5	octacosane
13.966	31.40704	VB	0.04	17	3.763e-5	triacontane
16.308	26.06337	VV	0.16	18	3.122e-5	hexatriacontane
0.594	3262.52759	PVS	0.01	1	0.00391	* uncalibrated *
1.860	8.24738e7	VVS	1.00	2	98.80513	* uncalibrated *
1.887	8.28161e5	VVS	0.01	3	0.99215	* uncalibrated *
1.950	1.48685e4	VVS	0.03	4	0.01781	* uncalibrated *
1.997	9573.05664	VVS	0.02	5	0.01147	* uncalibrated *
2.043	1.36232e4	VVS	0.04	6	0.01632	* uncalibrated *
2.090	1.05210e4	VVS	0.03	7	0.01260	* uncalibrated *
2.131	8692.87988	VVS	0.02	8	0.01041	* uncalibrated *
2.173	8736.89941	VVS	0.03	9	0.01047	* uncalibrated *
2.215	1.15070e4	VVS	0.04	10	0.01379	* uncalibrated *
2.264	1.03748e4	VVS	0.03	11	0.01243	* uncalibrated *
2.310	1.04445e4	VVS	0.04	12	0.01251	* uncalibrated *
2.360	8990.92383	VVS	0.04	13	0.01077	* uncalibrated *
2.412	1.19668e4	VVS	0.06	14	0.01434	* uncalibrated *
2.490	9792.54492	VVS	0.04	15	0.01173	* uncalibrated *
2.541	7787.81738	VVS	0.03	16	0.00933	* uncalibrated *
2.585	5737.58984	VVS	0.02	17	0.00687	* uncalibrated *
2.627	7484.53418	VVS	0.04	18	0.00897	* uncalibrated *
2.673	3132.21655	VVS	0.02	19	0.00375	* uncalibrated *
2.715	3723.09570	VVS	0.04	20	0.00446	* uncalibrated *
2.762	1993.30847	VBAS	0.02	21	0.00239	* uncalibrated *
2.981	1.93620	VP	0.02	22	2.320e-6	* uncalibrated *
3.225	3.67620	VV	0.02	23	4.404e-6	* uncalibrated *
3.281	1.60928	VV	0.02	24	1.928e-6	* uncalibrated *
3.314	2.65234	VV	0.01	25	3.178e-6	* uncalibrated *

3.353	3.86157	VV	0.01	26	4.626e-6	* uncalibrated *
3.408	3.59184	VP	0.03	27	4.303e-6	* uncalibrated *
3.515	2.65312	VV	0.02	28	3.178e-6	* uncalibrated *
3.579	3.47243	VV	0.02	29	4.160e-6	* uncalibrated *
3.601	2.86351	VV	0.02	30	3.431e-6	* uncalibrated *
3.655	3.93127	VV	0.02	31	4.710e-6	* uncalibrated *
4.069	3.46100	VV	0.02	32	4.146e-6	* uncalibrated *
4.128	2.72681	VV	0.03	33	3.267e-6	* uncalibrated *
4.394	4.61467	VV	0.05	34	5.528e-6	* uncalibrated *
11.781	7.26141	VV	0.04	35	8.699e-6	* uncalibrated *
12.216	6.61303	VP	0.03	36	7.923e-6	* uncalibrated *
12.950	21.08637	BB	0.04	37	2.526e-5	* uncalibrated *
13.635	29.07367	VP	0.03	38	3.483e-5	* uncalibrated *
14.285	47.25532	BV	0.05	39	5.661e-5	* uncalibrated *
14.486	24.13367	VV	0.07	40	2.891e-5	* uncalibrated *
14.596	65.37904	VV	0.06	41	7.833e-5	* uncalibrated *
14.739	32.35904	VV	0.07	42	3.877e-5	* uncalibrated *
14.786	15.04745	VV	0.03	43	1.803e-5	* uncalibrated *
14.820	9.49834	VV	0.02	44	1.138e-5	* uncalibrated *
14.903	58.82092	VV	0.06	45	7.047e-5	* uncalibrated *
15.032	14.10248	VV	0.05	46	1.690e-5	* uncalibrated *
15.114	10.66514	VV	0.04	47	1.278e-5	* uncalibrated *
15.246	51.27445	VV	0.07	48	6.143e-5	* uncalibrated *
15.440	13.95971	VV	0.06	49	1.672e-5	* uncalibrated *
15.487	7.29156	VV	0.03	50	8.735e-6	* uncalibrated *
15.643	47.42609	VV	0.10	51	5.682e-5	* uncalibrated *
15.820	8.26363	VV	0.05	52	9.900e-6	* uncalibrated *
15.902	18.19006	VV	0.10	53	2.179e-5	* uncalibrated *
16.114	30.26573	VV	0.10	54	3.626e-5	* uncalibrated *
16.549	4.78645	VV	0.05	55	5.734e-6	* uncalibrated *
16.667	12.24928	VV	0.09	56	1.467e-5	* uncalibrated *

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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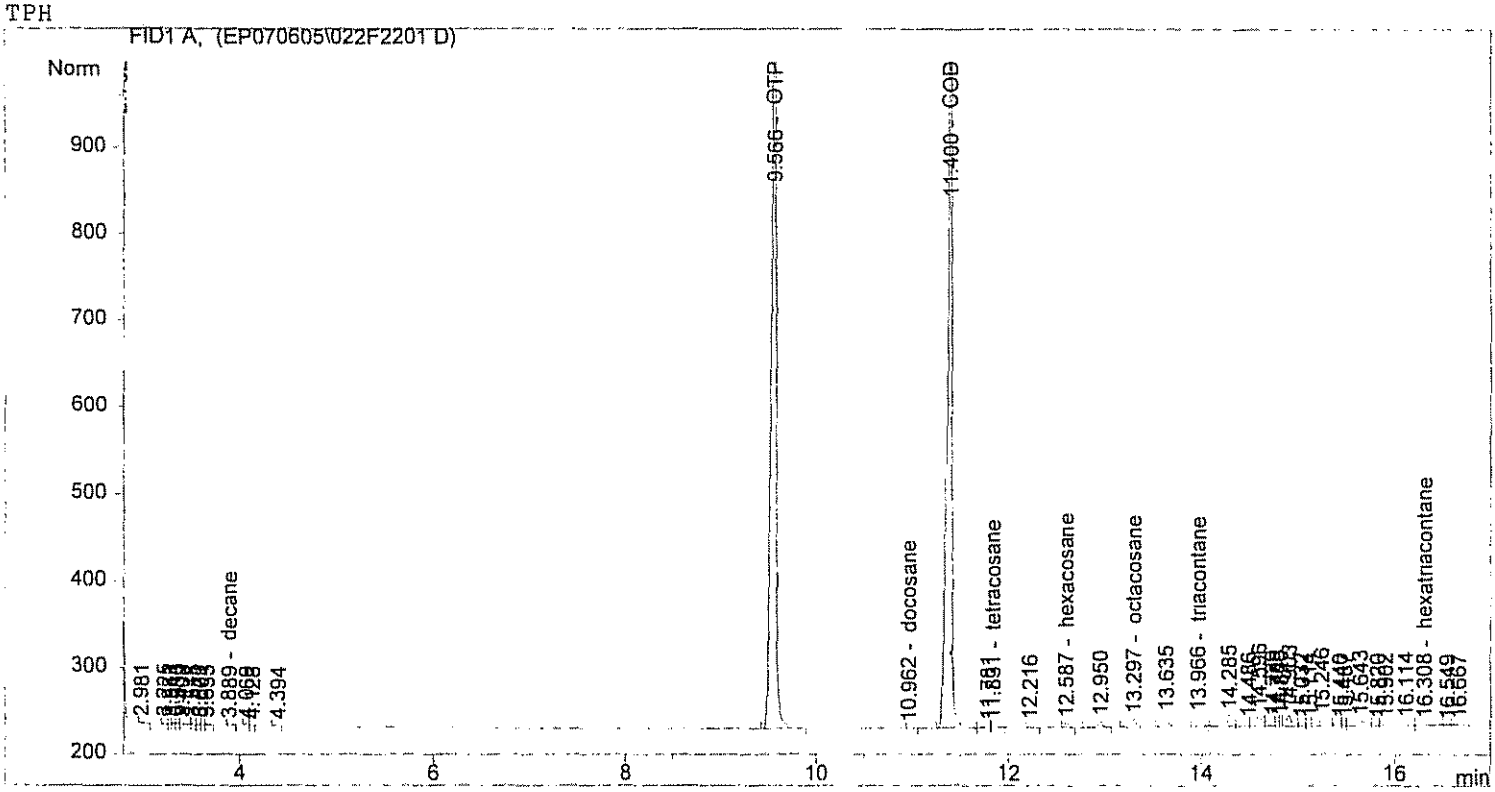
```
==========================================================================
Injection Date  : 7/6/2005 7:56:45 PM          Seq. Line :  22
Sample Name     : 137793 x1 T                   Location : Vial 22
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          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    : 6/8/2005 10:16:35 AM by CLP
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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   3.072         0.0000    0.00000  0.00000 nonane
   2   3.889 VV      0.0327    2.74687 3.291e-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   9.566 PB      0.0386 3328.35498  0.00399 OTP
  10   9.605         0.0000    0.00000  0.00000 nonadecane
  11  10.154         0.0000    0.00000  0.00000 eicosane
  12  10.962 VB      0.0242    1.85307 2.220e-6 docosane
  13  11.400 BV      0.0339 2985.89526  0.00358 COD
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.831	VB	0.0465	8.15321	9.768e-6	tetracosane
15	12.587	VP	0.0379	11.82414	1.417e-5	hexacosane
16	13.297	BV	0.0385	25.60705	3.068e-5	octacosane
17	13.966	VB	0.0417	31.40704	3.763e-5	triacontane
18	16.308	VV	0.1638	26.06337	3.122e-5	hexatriacontane

Totals : 6421.90498 7.694e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.594	PV S	0.0120	3262.52759	0.00391	?
2	1.860	VV S	1.0046	8.24738e7	98.80513	?
3	1.887	VV S	0.0178	8.28161e5	0.99215	?
4	1.950	VV S	0.0361	1.48685e4	0.01781	?
5	1.997	VV S	0.0277	9573.05664	0.01147	?
6	2.043	VV S	0.0451	1.36232e4	0.01632	?
7	2.090	VV S	0.0303	1.05210e4	0.01260	?
8	2.131	VV S	0.0288	8692.87988	0.01041	?
9	2.173	VV S	0.0358	8736.89941	0.01047	?
10	2.215	VV S	0.0445	1.15070e4	0.01379	?
11	2.264	VV S	0.0360	1.03748e4	0.01243	?
12	2.310	VV S	0.0408	1.04445e4	0.01251	?
13	2.360	VV S	0.0416	8990.92383	0.01077	?
14	2.412	VV S	0.0619	1.19668e4	0.01434	?
15	2.490	VV S	0.0459	9792.54492	0.01173	?
16	2.541	VV S	0.0353	7787.81738	0.00933	?
17	2.585	VV S	0.0288	5737.58984	0.00687	?
18	2.627	VV S	0.0454	7484.53418	0.00897	?
19	2.673	VV S	0.0260	3132.21655	0.00375	?
20	2.715	VV S	0.0493	3723.09570	0.00446	?
21	2.762	VBAS	0.0287	1993.30847	0.00239	?
22	2.981	VP	0.0219	1.93620	2.320e-6	?
23	3.225	VV	0.0246	3.67620	4.404e-6	?
24	3.281	VV	0.0204	1.60928	1.928e-6	?
25	3.314	VV	0.0196	2.65234	3.178e-6	?
26	3.353	VV	0.0197	3.86157	4.626e-6	?
27	3.408	VP	0.0305	3.59184	4.303e-6	?
28	3.515	VV	0.0243	2.65312	3.178e-6	?
29	3.579	VV	0.0227	3.47243	4.160e-6	?
30	3.601	VV	0.0235	2.86351	3.431e-6	?
31	3.655	VV	0.0271	3.93127	4.710e-6	?
32	4.069	VV	0.0263	3.46100	4.146e-6	?
33	4.128	VV	0.0315	2.72681	3.267e-6	?
34	4.394	VV	0.0538	4.61467	5.528e-6	?
35	11.781	VV	0.0440	7.26141	8.699e-6	?
36	12.216	VP	0.0344	6.61303	7.923e-6	?
37	12.950	BB	0.0410	21.08637	2.526e-5	?
38	13.635	VP	0.0387	29.07367	3.483e-5	?
39	14.285	BV	0.0538	47.25532	5.661e-5	?
40	14.486	VV	0.0751	24.13367	2.891e-5	?
41	14.596	VV	0.0602	65.37904	7.833e-5	?
42	14.739	VV	0.0784	32.35904	3.877e-5	?
43	14.786	VV	0.0368	15.04745	1.803e-5	?
44	14.820	VV	0.0254	9.49834	1.138e-5	?
45	14.903	VV	0.0629	58.82092	7.047e-5	?
46	15.032	VV	0.0561	14.10248	1.690e-5	?
47	15.114	VV	0.0425	10.66514	1.278e-5	?
48	15.246	VV	0.0799	51.27445	6.143e-5	?
49	15.440	VV	0.0647	13.95971	1.672e-5	?
50	15.487	VV	0.0335	7.29156	8.735e-6	?
51	15.643	VV	0.1019	47.42609	5.682e-5	?
52	15.820	VV	0.0570	8.26363	9.900e-6	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
53	15.902	VV	0.1028	18.19006	2.179e-5	?
54	16.114	VV	0.1087	30.26573	3.626e-5	?
55	16.549	VV	0.0572	4.78645	5.734e-6	?
56	16.667	VV	0.0930	12.24928	1.467e-5	?

Uncalib. totals : 8.34648e7 99.9923

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

ata File Name : C:\HPCHEM\1\DATA\EP070605\025F2501.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-4G x1 T
un Time Bar Code: 137794
cquired on : 6 Jul 05 9:18:36 PM
eport Created on: 7 Jul 2005 9:35:42 AM
ast Recalib on : 8 Jun 2005 10:16:23 AM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 25
Injection Number : 1
Sequence Line : 25
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070605\025F2501.D

Ret Time	Area	Type	Width	Ref#	ng	Name
3.084	2.52798	VV	0.02	1	3.124e-6	nonane
3.889	5.26852	VV	0.03	2	6.511e-6	decane
5.417	22.79074	VV	0.07	3	2.817e-5	dodecane
6.623	17.36141	VP	0.06	4	2.146e-5	2-FB(frac2)
6.898	0.00000	XX	0.00	5	0.00000	tetradecane
7.338	15.03907	VV	0.08	6	1.859e-5	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
9.562	3104.12036	PB	0.03	9	0.00384	OTP
9.605	0.00000	XX	0.00	10	0.00000	nonadecane
10.154	0.00000	XX	0.00	11	0.00000	eicosane
10.962	2.75123	VP	0.02	12	3.400e-6	docosane
11.399	2955.26172	VB	0.03	13	0.00365	COD
11.822	7.37423	VV	0.04	14	9.113e-6	tetracosane
12.721	2.90517	VV	0.03	15	3.590e-6	hexacosane
13.397	7.50890	VV	0.06	16	9.280e-6	octacosane
14.073	8.11842	VV	0.04	17	1.003e-5	triacontane
16.102	6.27406	VV	0.04	18	7.754e-6	hexatriacontane
0.566	216.52271	PP	0.01	1	0.00027	* uncalibrated *
0.596	3127.11841	VVS	0.01	2	0.00386	* uncalibrated *
0.718	1.31495e6	VVS	0.04	3	1.62507	* uncalibrated *
1.793	7.86248e7	VVS	0.68	4	97.16722	* uncalibrated *
1.877	8.23939e5	VVS	0.01	5	1.01825	* uncalibrated *
1.952	1.53563e4	VVS	0.04	6	0.01898	* uncalibrated *
2.018	1.62684e4	VVS	0.06	7	0.02011	* uncalibrated *
2.083	9914.75098	VVS	0.03	8	0.01225	* uncalibrated *
2.115	7590.73193	VVS	0.02	9	0.00938	* uncalibrated *
2.158	8943.21094	VVS	0.03	10	0.01105	* uncalibrated *
2.202	1.13230e4	VVS	0.04	11	0.01399	* uncalibrated *
2.252	7265.68994	VVS	0.02	12	0.00898	* uncalibrated *
2.300	1.78433e4	VVS	0.09	13	0.02205	* uncalibrated *
2.402	9535.47559	VVS	0.04	14	0.01178	* uncalibrated *
2.452	5157.84131	VVS	0.02	15	0.00637	* uncalibrated *
2.498	1.15078e4	VVS	0.07	16	0.01422	* uncalibrated *
2.580	7088.47412	VVS	0.04	17	0.00876	* uncalibrated *
2.623	7171.11328	VVS	0.04	18	0.00886	* uncalibrated *
2.678	2939.99048	VVS	0.02	19	0.00363	* uncalibrated *
2.717	2812.78491	VVS	0.03	20	0.00348	* uncalibrated *
2.752	2221.57568	VBAS	0.04	21	0.00275	* uncalibrated *
2.861	3.66559	BP	0.01	22	4.530e-6	* uncalibrated *
2.977	7.11423	VP	0.03	23	8.792e-6	* uncalibrated *
3.126	4.26687	VP	0.02	24	5.273e-6	* uncalibrated *
3.222	7.10812	VV	0.02	25	8.784e-6	* uncalibrated *

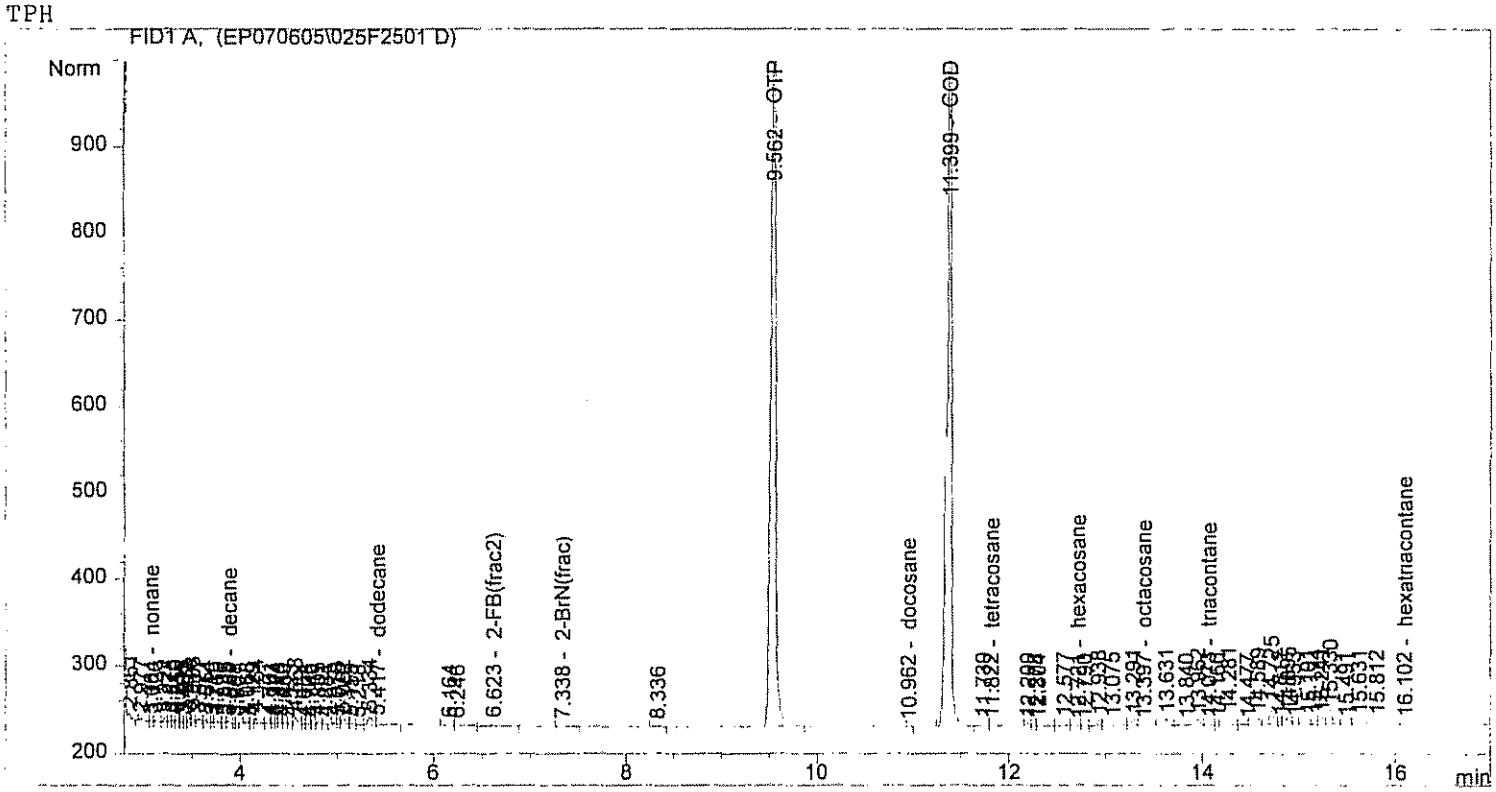
3.275	5.81526	VV	0.02	26	7.187e-6	* uncalibrated *
3.310	5.83948	VV	0.02	27	7.217e-6	* uncalibrated *
3.350	6.69858	VV	0.02	28	8.278e-6	* uncalibrated *
3.405	3.34784	VV	0.02	29	4.137e-6	* uncalibrated *
3.432	1.93228	VV	0.01	30	2.388e-6	* uncalibrated *
3.478	8.18547	VV	0.01	31	1.012e-5	* uncalibrated *
3.508	13.58435	VV	0.02	32	1.679e-5	* uncalibrated *
3.577	14.81308	VV	0.04	33	1.831e-5	* uncalibrated *
3.654	9.02476	VV	0.03	34	1.115e-5	* uncalibrated *
3.719	2.12376	VV	0.01	35	2.625e-6	* uncalibrated *
3.760	6.52901	VV	0.03	36	8.069e-6	* uncalibrated *
3.839	2.77277	VV	0.03	37	3.427e-6	* uncalibrated *
3.938	1.46895	VV	0.01	38	1.815e-6	* uncalibrated *
3.967	1.71142	VV	0.02	39	2.115e-6	* uncalibrated *
4.068	6.72406	VV	0.03	40	8.310e-6	* uncalibrated *
4.129	3.10978	VV	0.02	41	3.843e-6	* uncalibrated *
4.164	13.22203	VV	0.03	42	1.634e-5	* uncalibrated *
4.301	6.28117	VV	0.03	43	7.762e-6	* uncalibrated *
4.344	5.03744	VV	0.02	44	6.225e-6	* uncalibrated *
4.374	3.35268	VV	0.02	45	4.143e-6	* uncalibrated *
4.415	5.68396	VV	0.03	46	7.024e-6	* uncalibrated *
4.450	3.25270	VV	0.03	47	4.020e-6	* uncalibrated *
4.523	3.04638	VV	0.02	48	3.765e-6	* uncalibrated *
4.568	20.88242	VV	0.03	49	2.581e-5	* uncalibrated *
4.654	3.31595	VV	0.02	50	4.098e-6	* uncalibrated *
4.706	5.08113	VV	0.03	51	6.279e-6	* uncalibrated *
4.740	3.33606	VV	0.02	52	4.123e-6	* uncalibrated *
4.805	7.02223	VV	0.03	53	8.678e-6	* uncalibrated *
4.884	3.83295	VV	0.03	54	4.737e-6	* uncalibrated *
4.979	6.68570	VV	0.02	55	8.262e-6	* uncalibrated *
5.016	4.34392	VV	0.02	56	5.368e-6	* uncalibrated *
5.062	20.72183	VV	0.05	57	2.561e-5	* uncalibrated *
5.150	7.62986	VV	0.04	58	9.429e-6	* uncalibrated *
5.218	5.25129	VV	0.04	59	6.490e-6	* uncalibrated *
5.334	34.76945	VV	0.05	60	4.297e-5	* uncalibrated *
6.164	10.74615	BV	0.06	61	1.328e-5	* uncalibrated *
6.246	11.06046	VP	0.07	62	1.367e-5	* uncalibrated *
8.336	3.56173	BP	0.04	63	4.402e-6	* uncalibrated *
11.739	11.72489	PV	0.04	64	1.449e-5	* uncalibrated *
12.200	8.34017	VV	0.03	65	1.031e-5	* uncalibrated *
12.278	6.61275	VV	0.04	66	8.172e-6	* uncalibrated *
12.304	17.30751	VV	0.09	67	2.139e-5	* uncalibrated *
12.577	14.62152	VV	0.04	68	1.807e-5	* uncalibrated *
12.790	2.90845	VV	0.03	69	3.594e-6	* uncalibrated *
12.938	13.02575	VV	0.03	70	1.610e-5	* uncalibrated *
13.075	35.25103	VV	0.12	71	4.356e-5	* uncalibrated *
13.291	19.37939	VV	0.04	72	2.395e-5	* uncalibrated *
13.631	20.84179	VV	0.03	73	2.576e-5	* uncalibrated *
13.840	7.41179	VV	0.07	74	9.160e-6	* uncalibrated *
13.962	19.67385	VV	0.03	75	2.431e-5	* uncalibrated *
14.160	2.37965	VV	0.03	76	2.941e-6	* uncalibrated *
14.281	24.26161	VV	0.04	77	2.998e-5	* uncalibrated *
14.477	4.82658	VV	0.05	78	5.965e-6	* uncalibrated *
14.589	22.49604	VV	0.04	79	2.780e-5	* uncalibrated *
14.725	59.59095	VV	0.04	80	7.364e-5	* uncalibrated *
14.812	9.17323	VV	0.03	81	1.134e-5	* uncalibrated *
14.895	31.25786	VV	0.05	82	3.863e-5	* uncalibrated *
14.953	10.95285	VV	0.04	83	1.354e-5	* uncalibrated *
15.101	31.08966	VV	0.07	84	3.842e-5	* uncalibrated *
15.174	21.43851	VV	0.05	85	2.649e-5	* uncalibrated *

15.241	26.76133	VV	0.05	86	3.307e-5	* uncalibrated *
15.330	55.33803	VV	0.04	87	6.839e-5	* uncalibrated *
15.491	16.47208	VV	0.07	88	2.036e-5	* uncalibrated *
15.631	27.33162	VV	0.07	89	3.378e-5	* uncalibrated *
15.812	37.21168	VV	0.12	90	4.599e-5	* uncalibrated *

arning : Calibration warnings (see calibration table listing)
arning : Calibrated compound(s) not found

==========

```
==========================================================================
Injection Date  : 7/6/2005 9:18:36 PM          Seq. Line :  25
Sample Name     : 137794 x1 T                   Location : Vial 25
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    : 6/8/2005 10:16:35 AM by CLP
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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   3.084 VV      0.0208    2.52798 3.124e-6 nonane
   2   3.889 VV      0.0304    5.26852 6.511e-6 decane
   3   5.417 VV      0.0725   22.79074 2.817e-5 dodecane
   4   6.623 VP      0.0670   17.36141 2.146e-5 2-FB(frac2)
   5   6.898         0.0000    0.00000  0.00000 tetradecane
   6   7.338 VV      0.0879   15.03907 1.859e-5 2-BrN(frac)
   7   8.095         0.0000    0.00000  0.00000 hexadecane
   8   9.172         0.0000    0.00000  0.00000 octadecane
   9   9.562 PB      0.0397 3104.12036  0.00384 OTP
  10   9.605         0.0000    0.00000  0.00000 nonadecane
  11  10.154         0.0000    0.00000  0.00000 eicosane
  12  10.962 VP      0.0288    2.75123 3.400e-6 docosane
  13  11.399 VB      0.0358 2955.26172  0.00365 COD
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.822	VV	0.0486	7.37423	9.113e-6	tetracosane
15	12.721	VV	0.0377	2.90517	3.590e-6	hexacosane
16	13.397	VV	0.0639	7.50890	9.280e-6	octacosane
17	14.073	VV	0.0493	8.11842	1.003e-5	triacontane
18	16.102	VV	0.0488	6.27406	7.754e-6	hexatriacontane

Totals : 6157.30180 7.609e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.566	PP	0.0137	216.52271	0.00027	?
2	0.596	VV S	0.0114	3127.11841	0.00386	?
3	0.718	VV S	0.0440	1.31495e6	1.62507	?
4	1.793	VV S	0.6847	7.86248e7	97.16722	?
5	1.877	VV S	0.0180	8.23939e5	1.01825	?
6	1.952	VV S	0.0462	1.53563e4	0.01898	?
7	2.018	VV S	0.0632	1.62684e4	0.02011	?
8	2.083	VV S	0.0317	9914.75098	0.01225	?
9	2.115	VV S	0.0291	7590.73193	0.00938	?
10	2.158	VV S	0.0318	8943.21094	0.01105	?
11	2.202	VV S	0.0469	1.13230e4	0.01399	?
12	2.252	VV S	0.0250	7265.68994	0.00898	?
13	2.300	VV S	0.0965	1.78433e4	0.02205	?
14	2.402	VV S	0.0473	9535.47559	0.01178	?
15	2.452	VV S	0.0274	5157.84131	0.00637	?
16	2.498	VV S	0.0700	1.15078e4	0.01422	?
17	2.580	VV S	0.0421	7088.47412	0.00876	?
18	2.623	VV S	0.0444	7171.11328	0.00886	?
19	2.678	VV S	0.0296	2939.99048	0.00363	?
20	2.717	VV S	0.0378	2812.78491	0.00348	?
21	2.752	VBAS	0.0461	2221.57568	0.00275	?
22	2.861	BP	0.0149	3.66559	4.530e-6	?
23	2.977	VP	0.0305	7.11423	8.792e-6	?
24	3.126	VP	0.0256	4.26687	5.273e-6	?
25	3.222	VV	0.0227	7.10812	8.784e-6	?
26	3.275	VV	0.0201	5.81526	7.187e-6	?
27	3.310	VV	0.0200	5.83948	7.217e-6	?
28	3.350	VV	0.0209	6.69858	8.278e-6	?
29	3.405	VV	0.0223	3.34784	4.137e-6	?
30	3.432	VV	0.0198	1.93228	2.388e-6	?
31	3.478	VV	0.0186	8.18547	1.012e-5	?
32	3.508	VV	0.0232	13.58435	1.679e-5	?
33	3.577	VV	0.0413	14.81308	1.831e-5	?
34	3.654	VV	0.0330	9.02476	1.115e-5	?
35	3.719	VV	0.0172	2.12376	2.625e-6	?
36	3.760	VV	0.0386	6.52901	8.069e-6	?
37	3.839	VV	0.0326	2.77277	3.427e-6	?
38	3.938	VV	0.0196	1.46895	1.815e-6	?
39	3.967	VV	0.0225	1.71142	2.115e-6	?
40	4.068	VV	0.0326	6.72406	8.310e-6	?
41	4.129	VV	0.0244	3.10978	3.843e-6	?
42	4.164	VV	0.0307	13.22203	1.634e-5	?
43	4.301	VV	0.0309	6.28117	7.762e-6	?
44	4.344	VV	0.0298	5.03744	6.225e-6	?
45	4.374	VV	0.0230	3.35268	4.143e-6	?
46	4.415	VV	0.0325	5.68396	7.024e-6	?
47	4.450	VV	0.0301	3.25270	4.020e-6	?
48	4.523	VV	0.0283	3.04638	3.765e-6	?
49	4.568	VV	0.0356	20.88242	2.581e-5	?
50	4.654	VV	0.0262	3.31595	4.098e-6	?
51	4.706	VV	0.0394	5.08113	6.279e-6	?
52	4.740	VV	0.0297	3.33606	4.123e-6	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
53	4.805	VV	0.0342	7.02223	8.678e-6	?
54	4.884	VV	0.0375	3.83295	4.737e-6	?
55	4.979	VV	0.0294	6.68570	8.262e-6	?
56	5.016	VV	0.0261	4.34392	5.368e-6	?
57	5.062	VV	0.0515	20.72183	2.561e-5	?
58	5.150	VV	0.0404	7.62986	9.429e-6	?
59	5.218	VV	0.0496	5.25129	6.490e-6	?
60	5.334	VV	0.0586	34.76945	4.297e-5	?
61	6.164	BV	0.0614	10.74615	1.328e-5	?
62	6.246	VP	0.0771	11.06046	1.367e-5	?
63	8.336	BP	0.0412	3.56173	4.402e-6	?
64	11.739	PV	0.0482	11.72489	1.449e-5	?
65	12.200	VV	0.0339	8.34017	1.031e-5	?
66	12.278	VV	0.0400	6.61275	8.172e-6	?
67	12.304	VV	0.0932	17.30751	2.139e-5	?
68	12.577	VV	0.0492	14.62152	1.807e-5	?
69	12.790	VV	0.0392	2.90845	3.594e-6	?
70	12.938	VV	0.0318	13.02575	1.610e-5	?
71	13.075	VV	0.1265	35.25103	4.356e-5	?
72	13.291	VV	0.0420	19.37939	2.395e-5	?
73	13.631	VV	0.0377	20.84179	2.576e-5	?
74	13.840	VV	0.0737	7.41179	9.160e-6	?
75	13.962	VV	0.0395	19.67385	2.431e-5	?
76	14.160	VV	0.0318	2.37965	2.941e-6	?
77	14.281	VV	0.0419	24.26161	2.998e-5	?
78	14.477	VV	0.0531	4.82658	5.965e-6	?
79	14.589	VV	0.0443	22.49604	2.780e-5	?
80	14.725	VV	0.0414	59.59095	7.364e-5	?
81	14.812	VV	0.0345	9.17323	1.134e-5	?
82	14.895	VV	0.0504	31.25786	3.863e-5	?
83	14.953	VV	0.0440	10.95285	1.354e-5	?
84	15.101	VV	0.0714	31.08966	3.842e-5	?
85	15.174	VV	0.0579	21.43851	2.649e-5	?
86	15.241	VV	0.0504	26.76133	3.307e-5	?
87	15.330	VV	0.0469	55.33803	6.839e-5	?
88	15.491	VV	0.0777	16.47208	2.036e-5	?
89	15.631	VV	0.0765	27.33162	3.378e-5	?
90	15.812	VV	0.1228	37.21168	4.599e-5	?

Uncalib. totals : 8.09108e7 99.9924

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

ata File Name : C:\HPCHEM\1\DATA\EP070605\026F2601.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-5G x1 T
un Time Bar Code: 137795
cquired on : 6 Jul 05 9:45:57 PM
eport Created on: 7 Jul 2005 9:35:52 AM
ast Recalib on : 8 Jun 2005 10:16:23 AM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 26
Injection Number : 1
Sequence Line : 26
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070605\026F2601.D

Ret Time	Area	Type	Width	Ref#	ng	Name
3.072	0.00000	XX	0.00	1	0.00000	nonane
3.889	4.43117	VP	0.04	2	5.414e-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
9.563	3390.23462	VB	0.03	9	0.00414	OTP
9.605	0.00000	XX	0.00	10	0.00000	nonadecane
10.154	0.00000	XX	0.00	11	0.00000	eicosane
10.962	3.59582	VB	0.03	12	4.393e-6	docosane
11.399	3026.35352	BV	0.03	13	0.00370	COD
11.836	16.45503	VB	0.06	14	2.010e-5	tetracosane
12.596	9.82503	VB	0.03	15	1.200e-5	hexacosane
13.308	21.38771	BV	0.04	16	2.613e-5	octacosane
13.975	21.24170	VB	0.03	17	2.595e-5	triacontane
16.128	10.52898	BV	0.07	18	1.286e-5	hexatriacontane
0.543	166.14459	PV	0.02	1	0.00020	* uncalibrated *
0.684	4.25031e5	VVS	0.02	2	0.51930	* uncalibrated *
1.795	8.04494e7	VVS	0.70	3	98.29205	* uncalibrated *
1.886	7.98196e5	VPS	0.01	4	0.97522	* uncalibrated *
1.933	2.33018e4	VVS	0.05	5	0.02847	* uncalibrated *
1.966	1.05967e4	VVS	0.03	6	0.01295	* uncalibrated *
2.002	1.05260e4	VVS	0.03	7	0.01286	* uncalibrated *
2.050	1.22598e4	VVS	0.03	8	0.01498	* uncalibrated *
2.108	1.34127e4	VVS	0.05	9	0.01639	* uncalibrated *
2.158	1.07364e4	VVS	0.03	10	0.01312	* uncalibrated *
2.212	1.08039e4	VVS	0.04	11	0.01320	* uncalibrated *
2.307	2.19985e4	VVS	0.10	12	0.02688	* uncalibrated *
2.378	5640.30127	VVS	0.02	13	0.00689	* uncalibrated *
2.423	1.76013e4	VVS	0.10	14	0.02151	* uncalibrated *
2.519	6437.44092	VVS	0.03	15	0.00787	* uncalibrated *
2.562	4838.23779	VVS	0.02	16	0.00591	* uncalibrated *
2.592	5305.18896	VVS	0.03	17	0.00648	* uncalibrated *
2.633	6433.24951	VVS	0.04	18	0.00786	* uncalibrated *
2.677	2242.51147	VVS	0.02	19	0.00274	* uncalibrated *
2.702	2606.56958	VVS	0.03	20	0.00318	* uncalibrated *
2.746	2005.57288	VVS	0.02	21	0.00245	* uncalibrated *
2.784	958.02197	VBAS	0.01	22	0.00117	* uncalibrated *
2.939	1.09266	VP	0.01	23	1.335e-6	* uncalibrated *
3.478	19.99800	VV	0.02	24	2.443e-5	* uncalibrated *
3.558	12.05546	VV	0.03	25	1.473e-5	* uncalibrated *

3.635	3.16888	VB	0.03	26	3.872e-6	* uncalibrated *
10.920	3.02654	VV	0.02	27	3.698e-6	* uncalibrated *
11.764	25.92690	BV	0.06	28	3.168e-5	* uncalibrated *
12.215	5.35556	VP	0.03	29	6.543e-6	* uncalibrated *
12.961	15.34409	VP	0.04	30	1.875e-5	* uncalibrated *
13.645	21.58587	VP	0.04	31	2.637e-5	* uncalibrated *
14.294	26.11494	VB	0.04	32	3.191e-5	* uncalibrated *
14.493	8.22641	BV	0.05	33	1.005e-5	* uncalibrated *
14.606	31.76574	VV	0.05	34	3.881e-5	* uncalibrated *
14.796	15.11525	VV	0.08	35	1.847e-5	* uncalibrated *
14.909	33.88623	VV	0.05	36	4.140e-5	* uncalibrated *
15.121	13.47446	VV	0.08	37	1.646e-5	* uncalibrated *
15.256	29.35739	VB	0.07	38	3.587e-5	* uncalibrated *
15.416	6.08386	BV	0.04	39	7.433e-6	* uncalibrated *
15.548	11.23419	VV	0.08	40	1.373e-5	* uncalibrated *
15.655	24.80149	VB	0.09	41	3.030e-5	* uncalibrated *

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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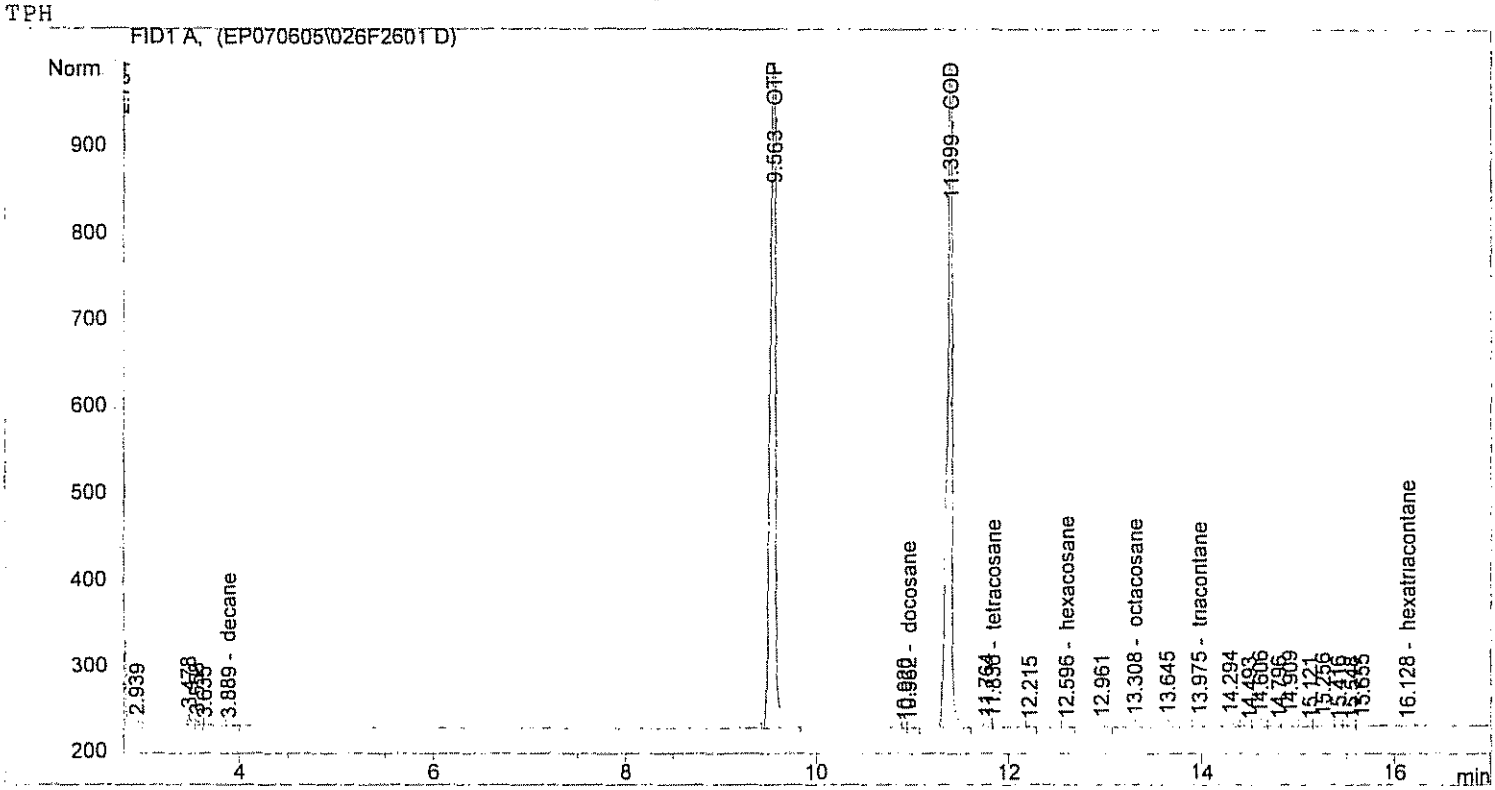
```
==========================================================================
Injection Date  : 7/6/2005 9:45:57 PM          Seq. Line :  26
Sample Name     : 137795 x1 T                   Location : Vial 26
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          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    : 6/8/2005 10:16:35 AM by CLP
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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	3.889	VP	0.0405	4.43117	5.414e-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	9.563	VB	0.0387	3390.23462	0.00414	OTP
10	9.605		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	10.962	VB	0.0328	3.59582	4.393e-6	docosane
13	11.399	BV	0.0341	3026.35352	0.00370	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.836	VB	0.0628	16.45503	2.010e-5	tetracosane
15	12.596	VB	0.0369	9.82503	1.200e-5	hexacosane
16	13.308	BV	0.0459	21.38771	2.613e-5	octacosane
17	13.975	VB	0.0399	21.24170	2.595e-5	triacontane
18	16.128	BV	0.0771	10.52898	1.286e-5	hexatriacontane

Totals : 6504.05357 7.947e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.543	PV	0.0211	166.14459	0.00020	?
2	0.684	VV S	0.0236	4.25031e5	0.51930	?
3	1.795	VV S	0.7099	8.04494e7	98.29205	?
4	1.886	VP S	0.0164	7.98196e5	0.97522	?
5	1.933	VV S	0.0523	2.33018e4	0.02847	?
6	1.966	VV S	0.0344	1.05967e4	0.01295	?
7	2.002	VV S	0.0343	1.05260e4	0.01286	?
8	2.050	VV S	0.0386	1.22598e4	0.01498	?
9	2.108	VV S	0.0541	1.34127e4	0.01639	?
10	2.158	VV S	0.0388	1.07364e4	0.01312	?
11	2.212	VV S	0.0467	1.08039e4	0.01320	?
12	2.307	VV S	0.1088	2.19985e4	0.02688	?
13	2.378	VV S	0.0228	5640.30127	0.00689	?
14	2.423	VV S	0.1002	1.76013e4	0.02151	?
15	2.519	VV S	0.0335	6437.44092	0.00787	?
16	2.562	VV S	0.0255	4838.23779	0.00591	?
17	2.592	VV S	0.0302	5305.18896	0.00648	?
18	2.633	VV S	0.0413	6433.24951	0.00786	?
19	2.677	VV S	0.0215	2242.51147	0.00274	?
20	2.702	VV S	0.0336	2606.56958	0.00318	?
21	2.746	VV S	0.0273	2005.57288	0.00245	?
22	2.784	VBAS	0.0166	958.02197	0.00117	?
23	2.939	VP	0.0164	1.09266	1.335e-6	?
24	3.478	VV	0.0223	19.99800	2.443e-5	?
25	3.558	VV	0.0306	12.05546	1.473e-5	?
26	3.635	VB	0.0371	3.16888	3.872e-6	?
27	10.920	VV	0.0279	3.02654	3.698e-6	?
28	11.764	BV	0.0694	25.92690	3.168e-5	?
29	12.215	VP	0.0355	5.35556	6.543e-6	?
30	12.961	VP	0.0438	15.34409	1.875e-5	?
31	13.645	VP	0.0417	21.58587	2.637e-5	?
32	14.294	VB	0.0433	26.11494	3.191e-5	?
33	14.493	BV	0.0557	8.22641	1.005e-5	?
34	14.606	VV	0.0502	31.76574	3.881e-5	?
35	14.796	VV	0.0872	15.11525	1.847e-5	?
36	14.909	VV	0.0597	33.88623	4.140e-5	?
37	15.121	VV	0.0894	13.47446	1.646e-5	?
38	15.256	VB	0.0714	29.35739	3.587e-5	?
39	15.416	BV	0.0479	6.08386	7.433e-6	?
40	15.548	VV	0.0895	11.23419	1.373e-5	?
41	15.655	VB	0.0949	24.80149	3.030e-5	?

Uncalib. totals : 8.18408e7 99.9921

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\EP070605\027F2701.D
Operator : DCS
Instrument : GC6
Sample Name : G161-2047-6G x1 T
Run Time Bar Code: 137796
Acquired on : 6 Jul 05 10:13:16 PM
Report Created on: 7 Jul 2005 9:36:01 AM
Last Recalib on : 8 Jun 2005 10:16:23 AM
Multiplier : 1.0000

Page Number :
Vial Number : Vial 27
Injection Number : 1
Sequence Line : 27
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

Sig. 1 in C:\HPCHEM\1\DATA\EP070605\027F2701.D

Ret Time	Area	Type	Width	Ref#	ng	Name
3.072	0.00000	XX	0.00	1	0.00000	nonane
3.892	3.61769	VB	0.03	2	4.449e-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
9.563	3346.73535	PB	0.03	9	0.00412	OTP
9.605	0.00000	XX	0.00	10	0.00000	nonadecane
10.154	0.00000	XX	0.00	11	0.00000	eicosane
10.963	3.81872	BP	0.03	12	4.696e-6	docosane
11.399	3011.84717	BB	0.03	13	0.00370	COD
11.858	10.77566	VB	0.05	14	1.325e-5	tetracosane
12.606	7.66283	BP	0.04	15	9.423e-6	hexacosane
13.315	16.85298	VV	0.04	16	2.072e-5	octacosane
13.982	21.08431	VB	0.04	17	2.593e-5	triacontane
16.134	5.31047	BP	0.06	18	6.530e-6	hexatriacontane
0.564	204.03871	PV	0.01	1	0.00025	* uncalibrated *
0.594	2194.86523	VVS	0.01	2	0.00270	* uncalibrated *
0.690	4.73067e5	VVS	0.02	3	0.58172	* uncalibrated *
1.822	7.98750e7	VVS	0.98	4	98.22036	* uncalibrated *
1.887	8.16036e5	VVS	0.01	5	1.00346	* uncalibrated *
1.935	1.20260e4	VVS	0.03	6	0.01479	* uncalibrated *
1.979	1.22848e4	VVS	0.03	7	0.01511	* uncalibrated *
2.038	1.33855e4	VVS	0.04	8	0.01646	* uncalibrated *
2.085	8711.43652	VVS	0.02	9	0.01071	* uncalibrated *
2.127	9264.27051	VVS	0.03	10	0.01139	* uncalibrated *
2.176	1.20398e4	VVS	0.05	11	0.01481	* uncalibrated *
2.225	7028.24121	VVS	0.03	12	0.00864	* uncalibrated *
2.260	9524.93164	VVS	0.04	13	0.01171	* uncalibrated *
2.319	9519.93359	VVS	0.04	14	0.01171	* uncalibrated *
2.365	6449.46338	VVS	0.02	15	0.00793	* uncalibrated *
2.429	1.12366e4	VVS	0.05	16	0.01382	* uncalibrated *
2.476	6641.58740	VVS	0.03	17	0.00817	* uncalibrated *
2.529	8720.37891	VVS	0.04	18	0.01072	* uncalibrated *
2.600	9070.02734	VVS	0.05	19	0.01115	* uncalibrated *
2.638	5676.52734	VVS	0.03	20	0.00698	* uncalibrated *
2.699	3584.38208	VVS	0.04	21	0.00441	* uncalibrated *
2.727	2010.27429	VVS	0.02	22	0.00247	* uncalibrated *
2.764	1898.51929	VBAS	0.03	23	0.00233	* uncalibrated *
3.479	18.87548	VV	0.02	24	2.321e-5	* uncalibrated *
3.561	11.35206	VV	0.03	25	1.396e-5	* uncalibrated *

3.636	2.88827	VB	0.04	26	3.552e-6	* uncalibrated *
11.825	7.24458	VV	0.04	27	8.908e-6	* uncalibrated *
12.236	4.58341	VP	0.03	28	5.636e-6	* uncalibrated *
12.968	13.07456	VB	0.04	29	1.608e-5	* uncalibrated *
13.654	23.85316	VB	0.04	30	2.933e-5	* uncalibrated *
14.298	25.58699	BV	0.04	31	3.146e-5	* uncalibrated *
14.496	8.68522	VV	0.07	32	1.068e-5	* uncalibrated *
14.610	24.01164	VV	0.04	33	2.953e-5	* uncalibrated *
14.804	8.83410	VV	0.06	34	1.086e-5	* uncalibrated *
14.917	26.47705	VV	0.05	35	3.256e-5	* uncalibrated *
15.125	14.21363	VV	0.10	36	1.748e-5	* uncalibrated *
15.263	21.44573	VV	0.06	37	2.637e-5	* uncalibrated *
15.511	14.54911	VV	0.13	38	1.789e-5	* uncalibrated *
15.662	17.32661	VV	0.07	39	2.131e-5	* uncalibrated *

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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==========================================================================
Injection Date  : 7/6/2005 10:13:16 PM          Seq. Line :  27
Sample Name     : 137796 x1 T                    Location : Vial 27
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    : 6/8/2005 10:16:35 AM by CLP
TPH
```

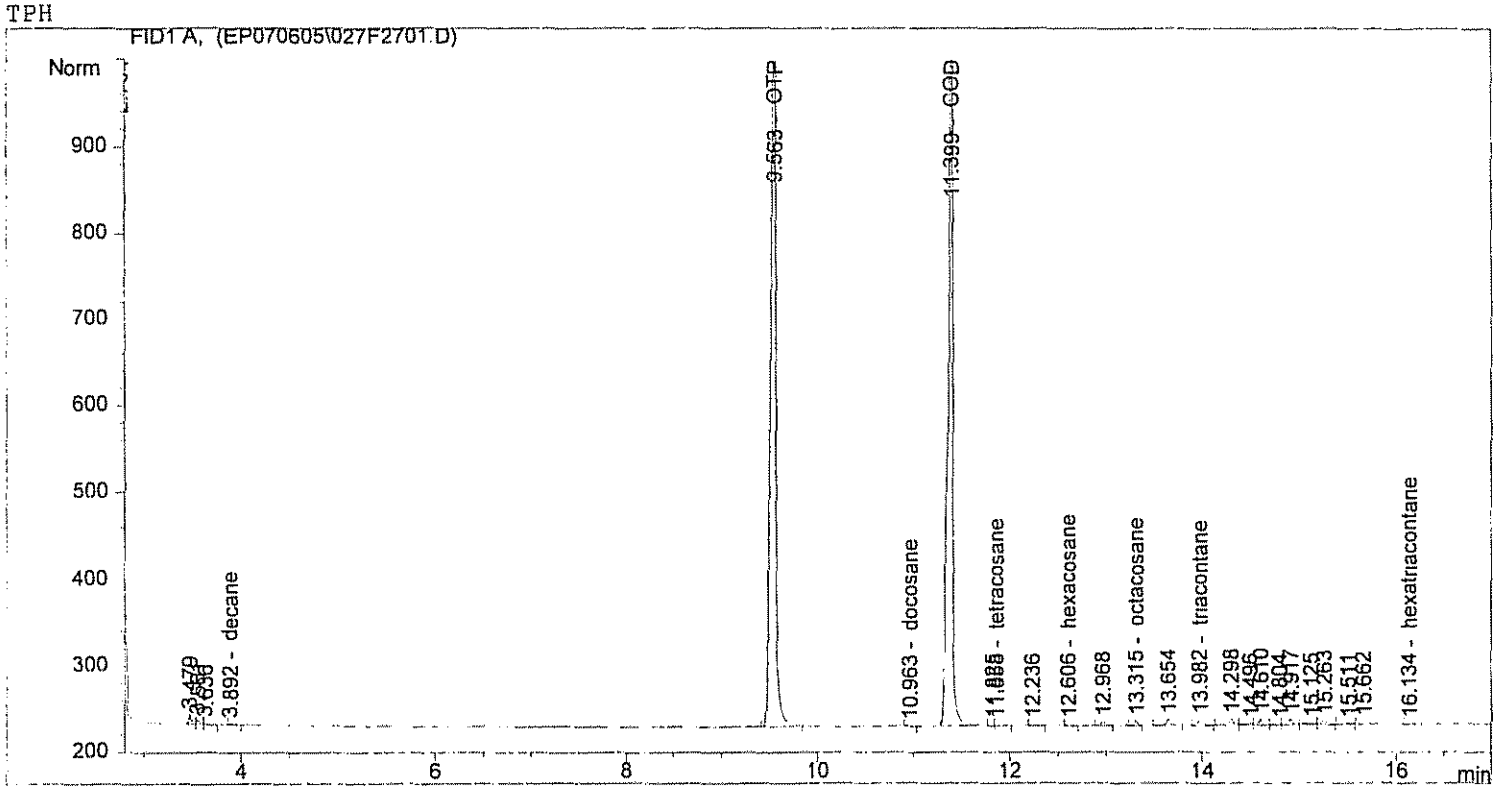


```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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	3.892	VB	0.0386	3.61769	4.449e-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	9.563	PB	0.0383	3346.73535	0.00412	OTP
10	9.605		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	10.963	BP	0.0394	3.81872	4.696e-6	docosane
13	11.399	BB	0.0342	3011.84717	0.00370	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.858	VB	0.0598	10.77566	1.325e-5	tetracosane
15	12.606	BP	0.0406	7.66283	9.423e-6	hexacosane
16	13.315	VV	0.0425	16.85298	2.072e-5	octacosane
17	13.982	VB	0.0437	21.08431	2.593e-5	triacontane
18	16.134	BP	0.0613	5.31047	6.530e-6	hexatriacontane

Totals : 6427.70519 7.904e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.564	PV	0.0119	204.03871	0.00025	?
2	0.594	VV S	0.0127	2194.86523	0.00270	?
3	0.690	VV S	0.0259	4.73067e5	0.58172	?
4	1.822	VV S	0.9852	7.98750e7	98.22036	?
5	1.887	VV S	0.0177	8.16036e5	1.00346	?
6	1.935	VV S	0.0319	1.20260e4	0.01479	?
7	1.979	VV S	0.0396	1.22848e4	0.01511	?
8	2.038	VV S	0.0455	1.33855e4	0.01646	?
9	2.085	VV S	0.0285	8711.43652	0.01071	?
10	2.127	VV S	0.0326	9264.27051	0.01139	?
11	2.176	VV S	0.0503	1.20398e4	0.01481	?
12	2.225	VV S	0.0301	7028.24121	0.00864	?
13	2.260	VV S	0.0416	9524.93164	0.01171	?
14	2.319	VV S	0.0416	9519.93359	0.01171	?
15	2.365	VV S	0.0296	6449.46338	0.00793	?
16	2.429	VV S	0.0524	1.12366e4	0.01382	?
17	2.476	VV S	0.0330	6641.58740	0.00817	?
18	2.529	VV S	0.0473	8720.37891	0.01072	?
19	2.600	VV S	0.0593	9070.02734	0.01115	?
20	2.638	VV S	0.0347	5676.52734	0.00698	?
21	2.699	VV S	0.0412	3584.38208	0.00441	?
22	2.727	VV S	0.0295	2010.27429	0.00247	?
23	2.764	VBAS	0.0370	1898.51929	0.00233	?
24	3.479	VV	0.0236	18.87548	2.321e-5	?
25	3.561	VV	0.0361	11.35206	1.396e-5	?
26	3.636	VB	0.0430	2.88827	3.552e-6	?
27	11.825	VV	0.0413	7.24458	8.908e-6	?
28	12.236	VP	0.0352	4.58341	5.636e-6	?
29	12.968	VB	0.0453	13.07456	1.608e-5	?
30	13.654	VB	0.0486	23.85316	2.933e-5	?
31	14.298	BV	0.0496	25.58699	3.146e-5	?
32	14.496	VV	0.0707	8.68522	1.068e-5	?
33	14.610	VV	0.0476	24.01164	2.953e-5	?
34	14.804	VV	0.0689	8.83410	1.086e-5	?
35	14.917	VV	0.0566	26.47705	3.256e-5	?
36	15.125	VV	0.1072	14.21363	1.748e-5	?
37	15.263	VV	0.0633	21.44573	2.637e-5	?
38	15.511	VV	0.1303	14.54911	1.789e-5	?
39	15.662	VV	0.0786	17.32661	2.131e-5	?

Uncalib. totals : 8.13158e7 99.9921

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

ata File Name	: C:\HPCHEM\1\DATA\EP070605\028F2801.D		
perator	: DCS	Page Number	:
nstrument	: GC6	Vial Number	: Vial 28
ample Name	: G161-2047-7G x1 T	Injection Number	: 1
un Time Bar Code	: 137797	Sequence Line	: 28
cquired on	: 6 Jul 05 10:40:29 PM	Instrument Method	: PROEPH.M
eport Created on	: 7 Jul 2005 9:36:09 AM	Analysis Method	: EPHTK_F.M
ast Recalib on	: 8 Jun 2005 10:16:23 AM	Sample Amount	: 10 µl
ultiplier	: 1.0000	ISTD Amount	:

ig. 1 in C:\HPCHEM\1\DATA\EP070605\028F2801.D

Ret Time	Area	Type	Width	Ref#	ng	Name
3.089	2.42313	BP	0.01	1	2.962e-6	nonane
3.891	8.44343	VV	0.03	2	1.032e-5	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
9.564	3307.87476	BB	0.03	9	0.00404	OTP
9.605	0.00000	XX	0.00	10	0.00000	nonadecane
10.154	0.00000	XX	0.00	11	0.00000	eicosane
10.962	2.51051	VB	0.02	12	3.069e-6	docosane
11.399	2949.60181	VV	0.03	13	0.00361	COD
11.836	17.76455	VB	0.06	14	2.171e-5	tetracosane
12.593	12.63183	VB	0.03	15	1.544e-5	hexacosane
13.303	26.66400	VV	0.04	16	3.259e-5	octacosane
13.971	29.87724	VP	0.03	17	3.652e-5	triacontane
16.126	7.85286	BB	0.06	18	9.599e-6	hexatriacontane
0.567	125.17973	PV	0.01	1	0.00015	* uncalibrated *
0.595	2774.21484	VVS	0.01	2	0.00339	* uncalibrated *
0.625	1.32260e4	VVS	0.01	3	0.01617	* uncalibrated *
0.685	3.29481e5	VVS	0.02	4	0.40274	* uncalibrated *
1.834	8.04802e7	VVS	0.99	5	98.37355	* uncalibrated *
1.894	8.13099e5	VPS	0.01	6	0.99388	* uncalibrated *
1.990	3.75925e4	VVS	0.07	7	0.04595	* uncalibrated *
2.038	1.31964e4	VVS	0.04	8	0.01613	* uncalibrated *
2.084	9028.43848	VVS	0.02	9	0.01104	* uncalibrated *
2.122	9491.46387	VVS	0.03	10	0.01160	* uncalibrated *
2.164	9895.75586	VVS	0.03	11	0.01210	* uncalibrated *
2.211	1.04161e4	VVS	0.03	12	0.01273	* uncalibrated *
2.278	1.29117e4	VVS	0.04	13	0.01578	* uncalibrated *
2.336	7735.27002	VVS	0.03	14	0.00946	* uncalibrated *
2.380	9026.00098	VVS	0.04	15	0.01103	* uncalibrated *
2.426	6155.28564	VVS	0.02	16	0.00752	* uncalibrated *
2.456	4027.72681	VVS	0.02	17	0.00492	* uncalibrated *
2.491	7194.99512	VVS	0.03	18	0.00879	* uncalibrated *
2.545	7402.24170	VVS	0.03	19	0.00905	* uncalibrated *
2.588	6211.67285	VVS	0.03	20	0.00759	* uncalibrated *
2.629	6335.74121	VVS	0.03	21	0.00774	* uncalibrated *
2.684	3842.94165	VVS	0.03	22	0.00470	* uncalibrated *
2.721	2203.76294	VVS	0.02	23	0.00269	* uncalibrated *
2.752	1844.67603	VVS	0.02	24	0.00225	* uncalibrated *
2.784	725.49957	VBAS	0.01	25	0.00089	* uncalibrated *

3.481	13.68273	VV	0.02	26	1.672e-5	* uncalibrated *
3.564	9.78229	VV	0.03	27	1.196e-5	* uncalibrated *
3.653	3.90450	VV	0.04	28	4.773e-6	* uncalibrated *
4.689	4.52726	PB	0.04	29	5.534e-6	* uncalibrated *
10.920	2.71013	VV	0.02	30	3.313e-6	* uncalibrated *
11.617	4.48408	VV	0.04	31	5.481e-6	* uncalibrated *
11.756	26.18766	VV	0.06	32	3.201e-5	* uncalibrated *
12.212	7.26368	VP	0.03	33	8.879e-6	* uncalibrated *
12.954	20.95158	VP	0.04	34	2.561e-5	* uncalibrated *
13.641	31.40013	VB	0.03	35	3.838e-5	* uncalibrated *
13.852	3.32042	BV	0.04	36	4.059e-6	* uncalibrated *
14.209	4.65002	VV	0.05	37	5.684e-6	* uncalibrated *
14.291	30.84512	VB	0.03	38	3.770e-5	* uncalibrated *
14.490	5.22508	BV	0.05	39	6.387e-6	* uncalibrated *
14.601	28.54484	VV	0.03	40	3.489e-5	* uncalibrated *
14.790	6.36297	VV	0.06	41	7.778e-6	* uncalibrated *
14.906	31.22976	VV	0.04	42	3.817e-5	* uncalibrated *
15.115	8.67241	VV	0.07	43	1.060e-5	* uncalibrated *
15.253	27.55373	VV	0.05	44	3.368e-5	* uncalibrated *
15.495	9.69949	VV	0.09	45	1.186e-5	* uncalibrated *
15.652	23.09885	VB	0.06	46	2.823e-5	* uncalibrated *

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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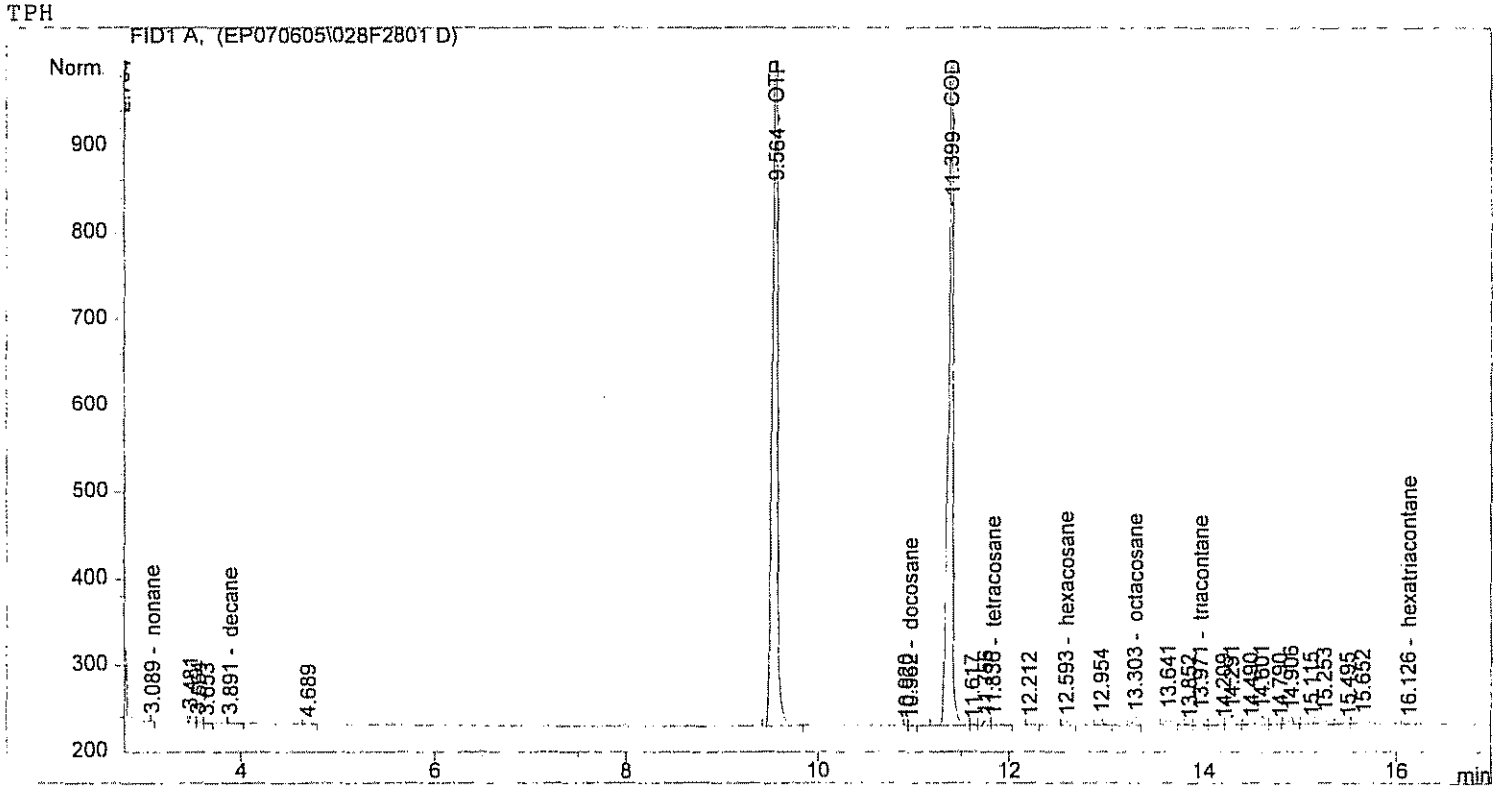
```
==========================================================================
Injection Date  : 7/6/2005 10:40:29 PM          Seq. Line :  28
Sample Name     : 137797 x1 T                    Location : Vial 28
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                           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    : 6/8/2005 10:16:35 AM by CLP
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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   3.089 BP     0.0146    2.42313 2.962e-6 nonane
   2   3.891 VV     0.0326    8.44343 1.032e-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   6.898        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   9.564 BB     0.0378 3307.87476  0.00404 OTP
  10   9.605        0.0000    0.00000  0.00000 nonadecane
  11  10.154        0.0000    0.00000  0.00000 eicosane
  12  10.962 VB     0.0291    2.51051 3.069e-6 docosane
  13  11.399 VV     0.0356 2949.60181  0.00361 COD
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.836	VB	0.0639	17.76455	2.171e-5	tetracosane
15	12.593	VB	0.0399	12.63183	1.544e-5	hexacosane
16	13.303	VV	0.0412	26.66400	3.259e-5	octacosane
17	13.971	VP	0.0391	29.87724	3.652e-5	triacontane
18	16.126	BB	0.0605	7.85286	9.599e-6	hexatriacontane

Totals : 6365.64410 7.781e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.567	PV	0.0113	125.17973	0.00015	?
2	0.595	VV S	0.0134	2774.21484	0.00339	?
3	0.625	VV S	0.0144	1.32260e4	0.01617	?
4	0.685	VV S	0.0218	3.29481e5	0.40274	?
5	1.834	VV S	0.9904	8.04802e7	98.37355	?
6	1.894	VP S	0.0177	8.13099e5	0.99388	?
7	1.990	VV S	0.0787	3.75925e4	0.04595	?
8	2.038	VV S	0.0443	1.31964e4	0.01613	?
9	2.084	VV S	0.0287	9028.43848	0.01104	?
10	2.122	VV S	0.0373	9491.46387	0.01160	?
11	2.164	VV S	0.0358	9895.75586	0.01210	?
12	2.211	VV S	0.0348	1.04161e4	0.01273	?
13	2.278	VV S	0.0499	1.29117e4	0.01578	?
14	2.336	VV S	0.0376	7735.27002	0.00946	?
15	2.380	VV S	0.0419	9026.00098	0.01103	?
16	2.426	VV S	0.0274	6155.28564	0.00752	?
17	2.456	VV S	0.0208	4027.72681	0.00492	?
18	2.491	VV S	0.0341	7194.99512	0.00879	?
19	2.545	VV S	0.0327	7402.24170	0.00905	?
20	2.588	VV S	0.0378	6211.67285	0.00759	?
21	2.629	VV S	0.0397	6335.74121	0.00774	?
22	2.684	VV S	0.0382	3842.94165	0.00470	?
23	2.721	VV S	0.0266	2203.76294	0.00269	?
24	2.752	VV S	0.0281	1844.67603	0.00225	?
25	2.784	VBAS	0.0159	725.49957	0.00089	?
26	3.481	VV	0.0235	13.68273	1.672e-5	?
27	3.564	VV	0.0396	9.78229	1.196e-5	?
28	3.653	VV	0.0412	3.90450	4.773e-6	?
29	4.689	PB	0.0421	4.52726	5.534e-6	?
30	10.920	VV	0.0276	2.71013	3.313e-6	?
31	11.617	VV	0.0494	4.48408	5.481e-6	?
32	11.756	VV	0.0644	26.18766	3.201e-5	?
33	12.212	VP	0.0327	7.26368	8.879e-6	?
34	12.954	VP	0.0433	20.95158	2.561e-5	?
35	13.641	VB	0.0391	31.40013	3.838e-5	?
36	13.852	BV	0.0407	3.32042	4.059e-6	?
37	14.209	VV	0.0565	4.65002	5.684e-6	?
38	14.291	VB	0.0391	30.84512	3.770e-5	?
39	14.490	BV	0.0531	5.22508	6.387e-6	?
40	14.601	VV	0.0383	28.54484	3.489e-5	?
41	14.790	VV	0.0615	6.36297	7.778e-6	?
42	14.906	VV	0.0474	31.22976	3.817e-5	?
43	15.115	VV	0.0709	8.67241	1.060e-5	?
44	15.253	VV	0.0573	27.55373	3.368e-5	?
45	15.495	VV	0.0903	9.69949	1.186e-5	?
46	15.652	VB	0.0690	23.09885	2.823e-5	?

Uncalib. totals : 8.18044e7 99.9922

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

ata File Name : C:\HPCHEM\1\DATA\EP070605\029F2901.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-8G x1 T
un Time Bar Code: 137798
cquired on : 6 Jul 05 11:07:50 PM
eport Created on: 7 Jul 2005 9:36:18 AM
ast Recalib on : 8 Jun 2005 10:16:23 AM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 29
Injection Number : 1
Sequence Line : 29
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070605\029F2901.D

et Time	Area	Type	Width	Ref#	ng	Name
3.072	0.00000	XX	0.00	1	0.00000	nonane
3.889	5.00625	VB	0.03	2	6.158e-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
9.563	3481.11499	PB	0.04	9	0.00428	OTP
9.605	0.00000	XX	0.00	10	0.00000	nonadecane
10.154	0.00000	XX	0.00	11	0.00000	eicosane
10.963	2.65027	VB	0.02	12	3.260e-6	docosane
11.400	3078.04932	VV	0.03	13	0.00379	COD
11.753	51.89494	VB	0.10	14	6.383e-5	tetracosane
12.598	9.90257	VB	0.04	15	1.218e-5	hexacosane
13.420	3.87718	VV	0.04	16	4.769e-6	octacosane
13.979	23.33770	VP	0.04	17	2.871e-5	triacontane
16.133	5.17871	BP	0.05	18	6.370e-6	hexatriacontane
0.543	167.21742	PV	0.02	1	0.00021	* uncalibrated *
0.590	80.86098	VV	0.01	2	9.946e-5	* uncalibrated *
0.695	6.97572e5	VVS	0.03	3	0.85806	* uncalibrated *
1.806	7.96181e7	VVS	0.98	4	97.93544	* uncalibrated *
1.878	8.33475e5	VVS	0.01	5	1.02523	* uncalibrated *
1.957	1.10411e4	VVS	0.03	6	0.01358	* uncalibrated *
1.988	6906.20459	VVS	0.02	7	0.00850	* uncalibrated *
2.032	1.10183e4	VVS	0.03	8	0.01355	* uncalibrated *
2.067	9073.03125	VVS	0.03	9	0.01116	* uncalibrated *
2.116	1.06643e4	VVS	0.03	10	0.01312	* uncalibrated *
2.162	7745.05176	VVS	0.02	11	0.00953	* uncalibrated *
2.201	1.04228e4	VVS	0.04	12	0.01282	* uncalibrated *
2.274	1.07433e4	VVS	0.04	13	0.01321	* uncalibrated *
2.312	8813.04102	VVS	0.03	14	0.01084	* uncalibrated *
2.365	7650.58789	VVS	0.03	15	0.00941	* uncalibrated *
2.428	8975.11719	VVS	0.04	16	0.01104	* uncalibrated *
2.480	7713.60059	VVS	0.04	17	0.00949	* uncalibrated *
2.528	7765.53662	VVS	0.04	18	0.00955	* uncalibrated *
2.567	5804.73291	VVS	0.03	19	0.00714	* uncalibrated *
2.621	6586.88330	VVS	0.04	20	0.00810	* uncalibrated *
2.672	4504.02588	VVS	0.04	21	0.00554	* uncalibrated *
2.721	2148.28052	VVS	0.02	22	0.00264	* uncalibrated *
2.747	1224.41089	VVS	0.02	23	0.00151	* uncalibrated *
2.780	1404.36670	VBAS	0.02	24	0.00173	* uncalibrated *
3.477	21.17992	PV	0.02	25	2.605e-5	* uncalibrated *

3.558	12.40362	VV	0.03	26	1.526e-5	* uncalibrated *
3.635	2.98793	VB	0.03	27	3.675e-6	* uncalibrated *
10.843	3.14558	VV	0.03	28	3.869e-6	* uncalibrated *
10.920	3.67231	VV	0.02	29	4.517e-6	* uncalibrated *
11.624	5.96739	VV	0.05	30	7.340e-6	* uncalibrated *
12.215	5.19031	VB	0.03	31	6.384e-6	* uncalibrated *
12.964	16.58071	VB	0.04	32	2.040e-5	* uncalibrated *
13.308	21.30984	PV	0.04	33	2.621e-5	* uncalibrated *
13.650	24.92519	VB	0.04	34	3.066e-5	* uncalibrated *
14.296	25.36113	VV	0.04	35	3.120e-5	* uncalibrated *
14.495	6.87228	VV	0.06	36	8.453e-6	* uncalibrated *
14.607	23.42507	VV	0.04	37	2.881e-5	* uncalibrated *
14.796	7.17008	VV	0.07	38	8.820e-6	* uncalibrated *
14.912	22.11390	VV	0.04	39	2.720e-5	* uncalibrated *
15.126	6.93916	VV	0.07	40	8.536e-6	* uncalibrated *
15.257	21.23087	VV	0.05	41	2.612e-5	* uncalibrated *
15.659	23.64256	VV	0.10	42	2.908e-5	* uncalibrated *

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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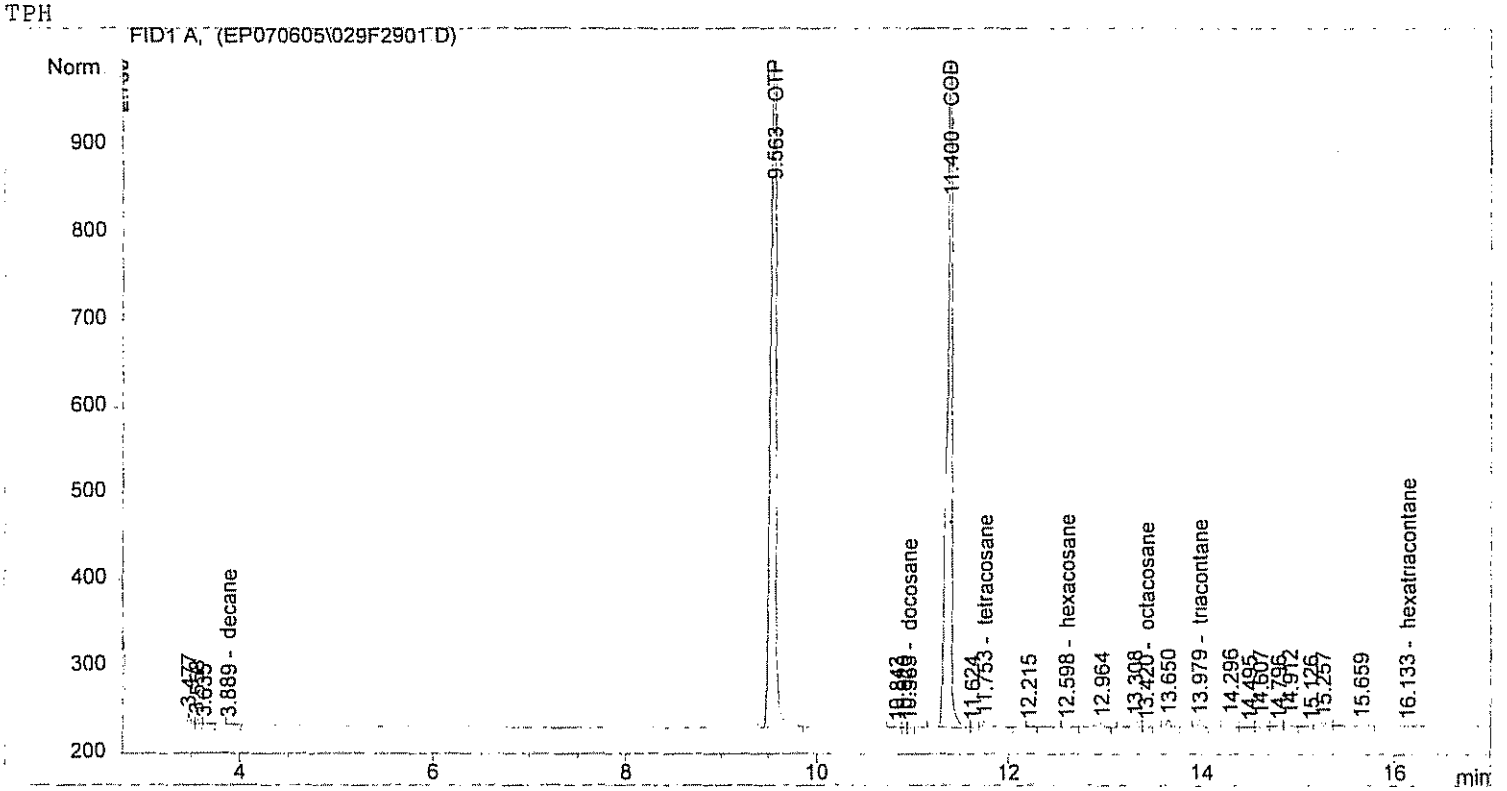
```
==========================================================================
Injection Date  : 7/6/2005 11:07:50 PM          Seq. Line :  29
Sample Name     : 137798 x1 T                    Location : Vial 29
Acq. Operator   : DCS                                 Inj :   1
Acq. Instrument : GC6                           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    : 6/8/2005 10:16:35 AM by CLP
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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	3.889	VB	0.0398	5.00625	6.158e-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	9.563	PB	0.0408	3481.11499	0.00428	OTP
10	9.605		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	10.963	VB	0.0295	2.65027	3.260e-6	docosane
13	11.400	VV	0.0360	3078.04932	0.00379	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.753	VB	0.1027	51.89494	6.383e-5	tetracosane
15	12.598	VB	0.0428	9.90257	1.218e-5	hexacosane
16	13.420	VV	0.0437	3.87718	4.769e-6	octacosane
17	13.979	VP	0.0417	23.33770	2.871e-5	triacontane
18	16.133	BP	0.0588	5.17871	6.370e-6	hexatriacontane

Totals : 6661.01192 8.193e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.543	PV	0.0211	167.21742	0.00021	?
2	0.590	VV	0.0195	80.86098	9.946e-5	?
3	0.695	VV S	0.0312	6.97572e5	0.85806	?
4	1.806	VV S	0.9811	7.96181e7	97.93544	?
5	1.878	VV S	0.0178	8.33475e5	1.02523	?
6	1.957	VV S	0.0336	1.10411e4	0.01358	?
7	1.988	VV S	0.0283	6906.20459	0.00850	?
8	2.032	VV S	0.0383	1.10183e4	0.01355	?
9	2.067	VV S	0.0343	9073.03125	0.01116	?
10	2.116	VV S	0.0391	1.06643e4	0.01312	?
11	2.162	VV S	0.0296	7745.05176	0.00953	?
12	2.201	VV S	0.0405	1.04228e4	0.01282	?
13	2.274	VV S	0.0485	1.07433e4	0.01321	?
14	2.312	VV S	0.0375	8813.04102	0.01084	?
15	2.365	VV S	0.0399	7650.58789	0.00941	?
16	2.428	VV S	0.0445	8975.11719	0.01104	?
17	2.480	VV S	0.0404	7713.60059	0.00949	?
18	2.528	VV S	0.0469	7765.53662	0.00955	?
19	2.567	VV S	0.0316	5804.73291	0.00714	?
20	2.621	VV S	0.0452	6586.88330	0.00810	?
21	2.672	VV S	0.0455	4504.02588	0.00554	?
22	2.721	VV S	0.0280	2148.28052	0.00264	?
23	2.747	VV S	0.0210	1224.41089	0.00151	?
24	2.780	VBAS	0.0247	1404.36670	0.00173	?
25	3.477	PV	0.0229	21.17992	2.605e-5	?
26	3.558	VV	0.0317	12.40362	1.526e-5	?
27	3.635	VB	0.0325	2.98793	3.675e-6	?
28	10.843	VV	0.0339	3.14558	3.869e-6	?
29	10.920	VV	0.0269	3.67231	4.517e-6	?
30	11.624	VV	0.0540	5.96739	7.340e-6	?
31	12.215	VB	0.0370	5.19031	6.384e-6	?
32	12.964	VB	0.0458	16.58071	2.040e-5	?
33	13.308	PV	0.0461	21.30984	2.621e-5	?
34	13.650	VB	0.0442	24.92519	3.066e-5	?
35	14.296	VV	0.0419	25.36113	3.120e-5	?
36	14.495	VV	0.0686	6.87228	8.453e-6	?
37	14.607	VV	0.0423	23.42507	2.881e-5	?
38	14.796	VV	0.0757	7.17008	8.820e-6	?
39	14.912	VV	0.0439	22.11390	2.720e-5	?
40	15.126	VV	0.0789	6.93916	8.536e-6	?
41	15.257	VV	0.0589	21.23087	2.612e-5	?
42	15.659	VV	0.1000	23.64256	2.908e-5	?

Uncalib. totals : 8.12899e7 99.9918

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\EP070605\030F3001.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-9G x1 T
un Time Bar Code: 137799
cquired on : 6 Jul 05 11:35:05 PM
eport Created on: 7 Jul 2005 9:36:27 AM
ast Recalib on : 8 Jun 2005 10:16:23 AM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 30
Injection Number : 1
Sequence Line : 30
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070605\030F3001.D

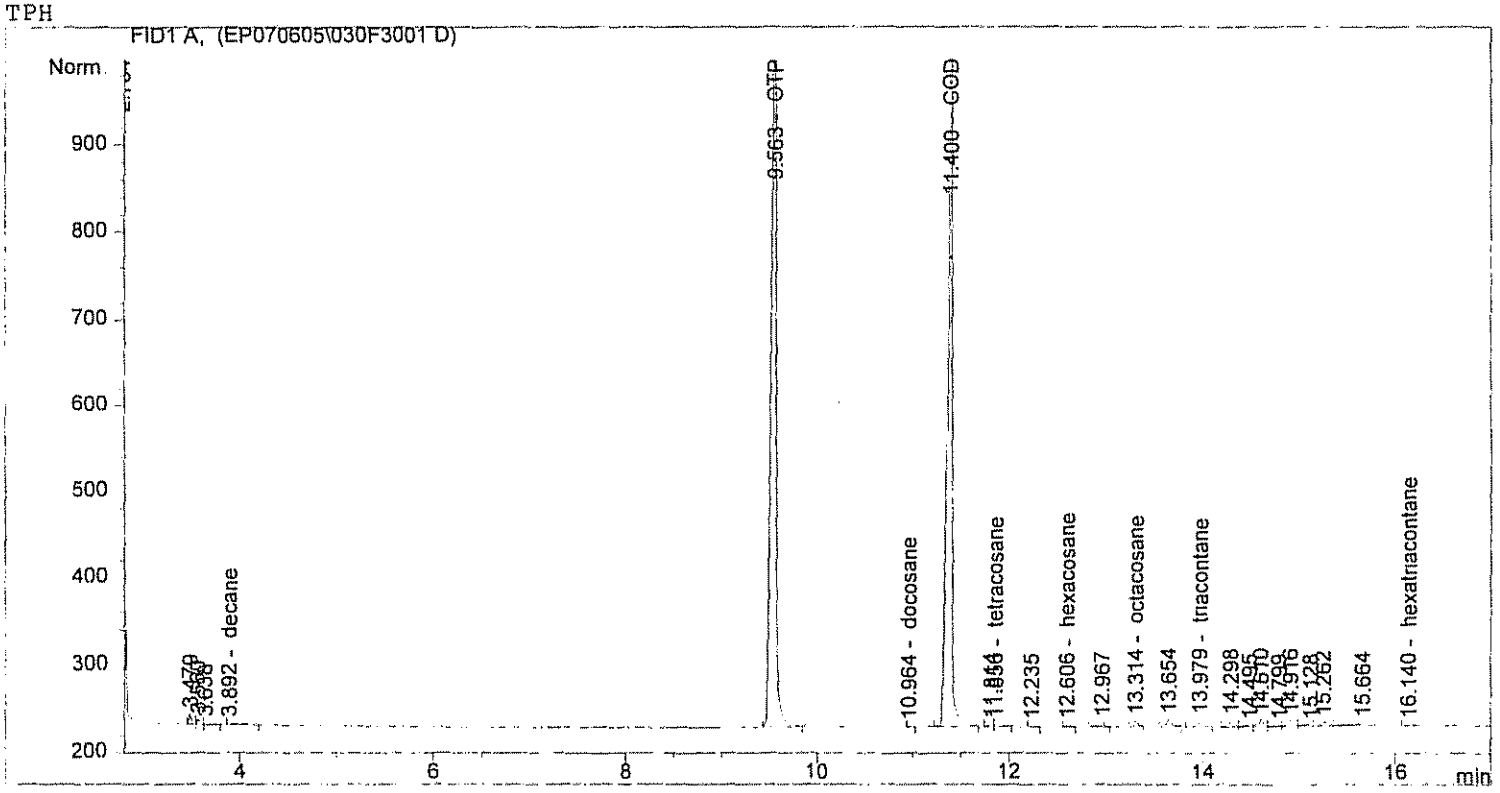
et Time	Area	Type	Width	Ref#	ng	Name
3.072	0.00000	XX	0.00	1	0.00000	nonane
3.892	6.61176	VB	0.05	2	8.258e-6	decane
5.541	0.00000	XX	0.00	3	0.00000	dodecane
6.610	0.00000	XX	0.00	4	0.00000	2-FB(frac2)
6.898	0.00000	XX	0.00	5	0.00000	tetradecane
7.485	0.00000	XX	0.00	6	0.00000	2-BrN(frac)
8.095	0.00000	XX	0.00	7	0.00000	hexadecane
9.172	0.00000	XX	0.00	8	0.00000	octadecane
9.563	3343.41406	PB	0.03	9	0.00418	OTP
9.605	0.00000	XX	0.00	10	0.00000	nonadecane
10.154	0.00000	XX	0.00	11	0.00000	eicosane
10.964	2.32606	VP	0.02	12	2.905e-6	docosane
11.400	3027.54004	VB	0.03	13	0.00378	COD
11.856	11.32078	VP	0.05	14	1.414e-5	tetracosane
12.606	8.50041	BB	0.03	15	1.062e-5	hexacosane
13.314	19.19452	VV	0.04	16	2.397e-5	octacosane
13.979	25.62011	BP	0.04	17	3.200e-5	triacontane
16.140	4.51024	BB	0.04	18	5.633e-6	hexatriacontane
0.602	6741.59082	PVS	0.01	1	0.00842	* uncalibrated *
0.633	2.58452e4	VVS	0.01	2	0.03228	* uncalibrated *
0.712	8.30233e5	VVS	0.03	3	1.03698	* uncalibrated *
1.852	7.82551e7	VVS	0.96	4	97.74278	* uncalibrated *
1.881	7.94368e5	VVS	0.01	5	0.99219	* uncalibrated *
1.933	1.02854e4	VVS	0.02	6	0.01285	* uncalibrated *
1.971	1.06412e4	VVS	0.03	7	0.01329	* uncalibrated *
2.011	6981.48730	VVS	0.02	8	0.00872	* uncalibrated *
2.045	9285.48633	VVS	0.04	9	0.01160	* uncalibrated *
2.092	8241.85938	VVS	0.02	10	0.01029	* uncalibrated *
2.166	1.84578e4	VVS	0.07	11	0.02305	* uncalibrated *
2.215	5256.04932	VVS	0.01	12	0.00656	* uncalibrated *
2.236	2.83346e4	VVS	0.14	13	0.03539	* uncalibrated *
2.403	6803.48682	VVS	0.03	14	0.00850	* uncalibrated *
2.462	7444.78613	VVS	0.03	15	0.00930	* uncalibrated *
2.565	1.35371e4	VVS	0.08	16	0.01691	* uncalibrated *
2.592	4463.20166	VVS	0.02	17	0.00557	* uncalibrated *
2.625	3652.62769	VVS	0.02	18	0.00456	* uncalibrated *
2.662	3929.49805	VVS	0.03	19	0.00491	* uncalibrated *
2.705	2492.39136	VVS	0.02	20	0.00311	* uncalibrated *
2.742	2506.03809	VVS	0.03	21	0.00313	* uncalibrated *
2.784	1012.26709	VBAS	0.01	22	0.00126	* uncalibrated *
3.479	20.73081	VV	0.02	23	2.589e-5	* uncalibrated *
3.560	12.82158	VV	0.03	24	1.601e-5	* uncalibrated *
3.638	4.83495	VB	0.04	25	6.039e-6	* uncalibrated *

11.814	8.70896	BV	0.04	26	1.088e-5	* uncalibrated *
12.235	5.29828	VB	0.03	27	6.618e-6	* uncalibrated *
12.967	16.32656	BP	0.04	28	2.039e-5	* uncalibrated *
13.654	24.91336	VB	0.04	29	3.112e-5	* uncalibrated *
14.298	23.10556	VV	0.04	30	2.886e-5	* uncalibrated *
14.495	5.08593	VV	0.05	31	6.352e-6	* uncalibrated *
14.610	21.87130	VV	0.04	32	2.732e-5	* uncalibrated *
14.799	6.87066	VV	0.07	33	8.582e-6	* uncalibrated *
14.916	22.84427	VV	0.04	34	2.853e-5	* uncalibrated *
15.128	7.04061	VV	0.07	35	8.794e-6	* uncalibrated *
15.262	19.57182	VV	0.06	36	2.445e-5	* uncalibrated *
15.664	21.98018	VP	0.09	37	2.745e-5	* uncalibrated *

/arning : Calibration warnings (see calibration table listing)
/arning : Calibrated compound(s) not found

==========

```
==========================================================================
Injection Date  : 7/6/2005 11:35:05 PM          Seq. Line :  30
Sample Name     : 137799 x1 T                    Location : Vial 30
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    : 6/8/2005 10:16:35 AM by CLP
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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   3.072         0.0000    0.00000  0.00000 nonane
   2   3.892 VB      0.0529    6.61176 8.258e-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   9.563 PB      0.0389 3343.41406  0.00418 OTP
  10   9.605         0.0000    0.00000  0.00000 nonadecane
  11  10.154         0.0000    0.00000  0.00000 eicosane
  12  10.964 VP      0.0277    2.32606 2.905e-6 docosane
  13  11.400 VB      0.0348 3027.54004  0.00378 COD
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.856	VP	0.0584	11.32078	1.414e-5	tetracosane
15	12.606	BB	0.0376	8.50041	1.062e-5	hexacosane
16	13.314	VV	0.0419	19.19452	2.397e-5	octacosane
17	13.979	BP	0.0470	25.62011	3.200e-5	triacontane
18	16.140	BB	0.0491	4.51024	5.633e-6	hexatriacontane

Totals : 6449.03798 8.055e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.602	PV S	0.0112	6741.59082	0.00842	?
2	0.633	VV S	0.0157	2.58452e4	0.03228	?
3	0.712	VV S	0.0324	8.30233e5	1.03698	?
4	1.852	VV S	0.9641	7.82551e7	97.74278	?
5	1.881	VV S	0.0165	7.94368e5	0.99219	?
6	1.933	VV S	0.0293	1.02854e4	0.01285	?
7	1.971	VV S	0.0342	1.06412e4	0.01329	?
8	2.011	VV S	0.0234	6981.48730	0.00872	?
9	2.045	VV S	0.0400	9285.48633	0.01160	?
10	2.092	VV S	0.0291	8241.85938	0.01029	?
11	2.166	VV S	0.0741	1.84578e4	0.02305	?
12	2.215	VV S	0.0191	5256.04932	0.00656	?
13	2.236	VV S	0.1496	2.83346e4	0.03539	?
14	2.403	VV S	0.0399	6803.48682	0.00850	?
15	2.462	VV S	0.0391	7444.78613	0.00930	?
16	2.565	VV S	0.0859	1.35371e4	0.01691	?
17	2.592	VV S	0.0267	4463.20166	0.00557	?
18	2.625	VV S	0.0263	3652.62769	0.00456	?
19	2.662	VV S	0.0358	3929.49805	0.00491	?
20	2.705	VV S	0.0289	2492.39136	0.00311	?
21	2.742	VV S	0.0343	2506.03809	0.00313	?
22	2.784	VBAS	0.0159	1012.26709	0.00126	?
23	3.479	VV	0.0247	20.73081	2.589e-5	?
24	3.560	VV	0.0353	12.82158	1.601e-5	?
25	3.638	VB	0.0489	4.83495	6.039e-6	?
26	11.814	BV	0.0418	8.70896	1.088e-5	?
27	12.235	VB	0.0361	5.29828	6.618e-6	?
28	12.967	BP	0.0456	16.32656	2.039e-5	?
29	13.654	VB	0.0445	24.91336	3.112e-5	?
30	14.298	VV	0.0439	23.10556	2.886e-5	?
31	14.495	VV	0.0584	5.08593	6.352e-6	?
32	14.610	VV	0.0417	21.87130	2.732e-5	?
33	14.799	VV	0.0770	6.87066	8.582e-6	?
34	14.916	VV	0.0483	22.84427	2.853e-5	?
35	15.128	VV	0.0796	7.04061	8.794e-6	?
36	15.262	VV	0.0606	19.57182	2.445e-5	?
37	15.664	VP	0.0961	21.98018	2.745e-5	?

Uncalib. totals : 8.00558e7 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 ***

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\EP070605\031F3101.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-10G x1 T
un Time Bar Code: 137800
cquired on : 7 Jul 05 12:02:16 AM
eport Created on: 7 Jul 2005 9:36:35 AM
ast Recalib on : 8 Jun 2005 10:16:23 AM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 31
Injection Number : 1
Sequence Line : 31
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070605\031F3101.D

Ret Time	Area	Type	Width	Ref#	ng	Name
3.072	0.00000	XX	0.00	1	0.00000	nonane
3.890	4.00674	VB	0.03	2	4.973e-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
9.564	3499.06177	PB	0.03	9	0.00434	OTP
9.605	0.00000	XX	0.00	10	0.00000	nonadecane
10.154	0.00000	XX	0.00	11	0.00000	eicosane
10.964	2.53485	VP	0.02	12	3.146e-6	docosane
11.400	3088.67480	PV	0.03	13	0.00383	COD
11.817	32.25240	VV	0.12	14	4.003e-5	tetracosane
12.613	7.17454	VP	0.04	15	8.905e-6	hexacosane
13.320	14.52289	BV	0.04	16	1.803e-5	octacosane
13.987	16.58219	VB	0.04	17	2.058e-5	triacontane
16.149	34.11451	VV	0.26	18	4.234e-5	hexatriacontane
0.566	316.98334	PV	0.01	1	0.00039	* uncalibrated *
0.596	3133.52783	VVS	0.01	2	0.00389	* uncalibrated *
0.704	7.75529e5	VVS	0.03	3	0.96259	* uncalibrated *
1.801	7.88538e7	VVS	0.97	4	97.87411	* uncalibrated *
1.881	8.05408e5	VVS	0.01	5	0.99968	* uncalibrated *
1.939	1.07174e4	VVS	0.02	6	0.01330	* uncalibrated *
1.983	1.02148e4	VVS	0.03	7	0.01268	* uncalibrated *
2.022	8503.04980	VVS	0.02	8	0.01055	* uncalibrated *
2.060	7179.75146	VVS	0.02	9	0.00891	* uncalibrated *
2.100	9857.78027	VVS	0.03	10	0.01224	* uncalibrated *
2.157	9005.86914	VVS	0.03	11	0.01118	* uncalibrated *
2.205	1.37920e4	VVS	0.07	12	0.01712	* uncalibrated *
2.283	5260.10205	VVS	0.02	13	0.00653	* uncalibrated *
2.404	1.72332e4	VVS	0.09	14	0.02139	* uncalibrated *
2.440	5086.41406	VVS	0.02	15	0.00631	* uncalibrated *
2.477	4622.37207	VVS	0.02	16	0.00574	* uncalibrated *
2.524	5408.51123	VVS	0.03	17	0.00671	* uncalibrated *
2.564	3452.52954	VVS	0.02	18	0.00429	* uncalibrated *
2.602	9133.87012	VVS	0.06	19	0.01134	* uncalibrated *
2.706	1020.90265	VVS	0.02	20	0.00127	* uncalibrated *
2.758	976.50800	VBAS	0.03	21	0.00121	* uncalibrated *
3.478	16.26278	BV	0.02	22	2.019e-5	* uncalibrated *
3.560	10.30375	VV	0.03	23	1.279e-5	* uncalibrated *
3.635	2.63923	VP	0.03	24	3.276e-6	* uncalibrated *
10.924	3.42252	BV	0.04	25	4.248e-6	* uncalibrated *

12.236	5.45343	VB	0.04	26	6.769e-6	*	uncalibrated *
12.976	10.58939	BB	0.04	27	1.314e-5	*	uncalibrated *
13.433	4.75135	VV	0.05	28	5.897e-6	*	uncalibrated *
13.660	16.54896	VV	0.04	29	2.054e-5	*	uncalibrated *
14.305	18.71190	VB	0.04	30	2.323e-5	*	uncalibrated *
14.501	3.23479	BV	0.03	31	4.015e-6	*	uncalibrated *
14.615	20.34382	VV	0.05	32	2.525e-5	*	uncalibrated *
14.806	8.60085	VV	0.09	33	1.068e-5	*	uncalibrated *
14.920	19.30778	VV	0.05	34	2.397e-5	*	uncalibrated *
15.129	8.77961	VV	0.08	35	1.090e-5	*	uncalibrated *
15.270	21.14228	VV	0.07	36	2.624e-5	*	uncalibrated *
15.674	33.73198	VV	0.16	37	4.187e-5	*	uncalibrated *

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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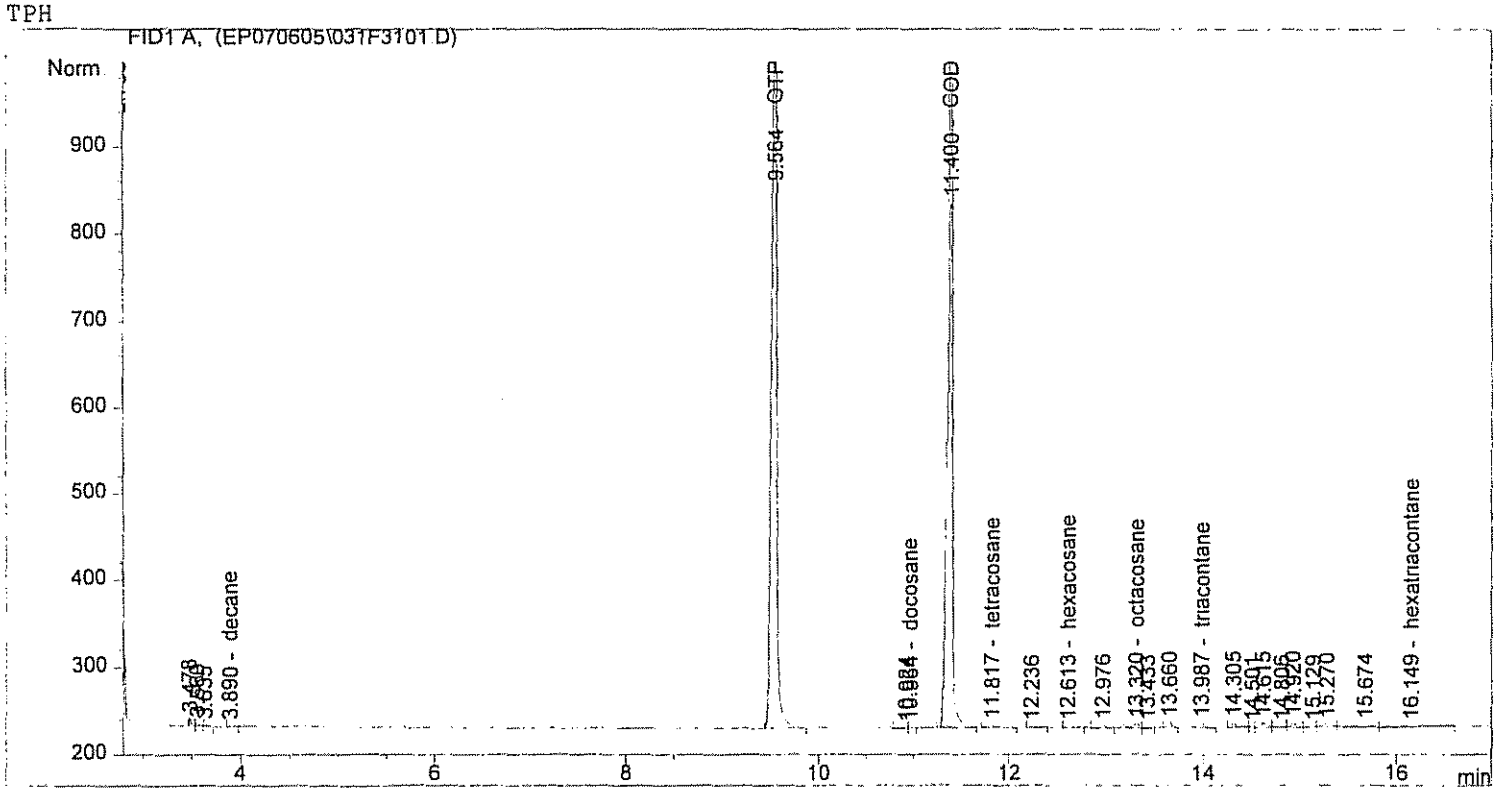
```
==========================================================================
Injection Date  : 7/7/2005 12:02:16 AM          Seq. Line :  31
Sample Name     : 137800 x1 T                    Location : Vial 31
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                           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    : 6/8/2005 10:16:35 AM by CLP
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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	3.890	VB	0.0389	4.00674	4.973e-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	9.564	PB	0.0381	3499.06177	0.00434	OTP
10	9.605		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	10.964	VP	0.0297	2.53485	3.146e-6	docosane
13	11.400	PV	0.0338	3088.67480	0.00383	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.817	VV	0.1218	32.25240	4.003e-5	tetracosane
15	12.613	VP	0.0469	7.17454	8.905e-6	hexacosane
16	13.320	BV	0.0493	14.52289	1.803e-5	octacosane
17	13.987	VB	0.0477	16.58219	2.058e-5	triacontane
18	16.149	VV	0.2694	34.11451	4.234e-5	hexatriacontane

Totals : 6698.92469 8.315e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.566	PV	0.0147	316.98334	0.00039	?
2	0.596	VV S	0.0110	3133.52783	0.00389	?
3	0.704	VV S	0.0310	7.75529e5	0.96259	?
4	1.801	VV S	0.9763	7.88538e7	97.87411	?
5	1.881	VV S	0.0172	8.05408e5	0.99968	?
6	1.939	VV S	0.0292	1.07174e4	0.01330	?
7	1.983	VV S	0.0325	1.02148e4	0.01268	?
8	2.022	VV S	0.0285	8503.04980	0.01055	?
9	2.060	VV S	0.0271	7179.75146	0.00891	?
10	2.100	VV S	0.0379	9857.78027	0.01224	?
11	2.157	VV S	0.0394	9005.86914	0.01118	?
12	2.205	VV S	0.0754	1.37920e4	0.01712	?
13	2.283	VV S	0.0270	5260.10205	0.00653	?
14	2.404	VV S	0.0995	1.72332e4	0.02139	?
15	2.440	VV S	0.0294	5086.41406	0.00631	?
16	2.477	VV S	0.0286	4622.37207	0.00574	?
17	2.524	VV S	0.0360	5408.51123	0.00671	?
18	2.564	VV S	0.0257	3452.52954	0.00429	?
19	2.602	VV S	0.0680	9133.87012	0.01134	?
20	2.706	VV S	0.0275	1020.90265	0.00127	?
21	2.758	VBAS	0.0329	976.50800	0.00121	?
22	3.478	BV	0.0246	16.26278	2.019e-5	?
23	3.560	VV	0.0363	10.30375	1.279e-5	?
24	3.635	VP	0.0313	2.63923	3.276e-6	?
25	10.924	BV	0.0444	3.42252	4.248e-6	?
26	12.236	VB	0.0482	5.45343	6.769e-6	?
27	12.976	BB	0.0445	10.58939	1.314e-5	?
28	13.433	VV	0.0553	4.75135	5.897e-6	?
29	13.660	VV	0.0439	16.54896	2.054e-5	?
30	14.305	VB	0.0464	18.71190	2.323e-5	?
31	14.501	BV	0.0387	3.23479	4.015e-6	?
32	14.615	VV	0.0526	20.34382	2.525e-5	?
33	14.806	VV	0.0909	8.60085	1.068e-5	?
34	14.920	VV	0.0535	19.30778	2.397e-5	?
35	15.129	VV	0.0811	8.77961	1.090e-5	?
36	15.270	VV	0.0768	21.14228	2.624e-5	?
37	15.674	VV	0.1605	33.73198	4.187e-5	?

Uncalib. totals : 8.05599e7 99.9917

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

ata File Name : C:\HPCHEM\1\DATA\EP070605\032F3201.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-11G x1 T
un Time Bar Code: 137803
cquired on : 7 Jul 05 12:29:25 AM
eport Created on: 7 Jul 2005 9:36:51 AM
ast Recalib on : 8 Jun 2005 10:16:23 AM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 32
Injection Number : 1
Sequence Line : 32
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070605\032F3201.D

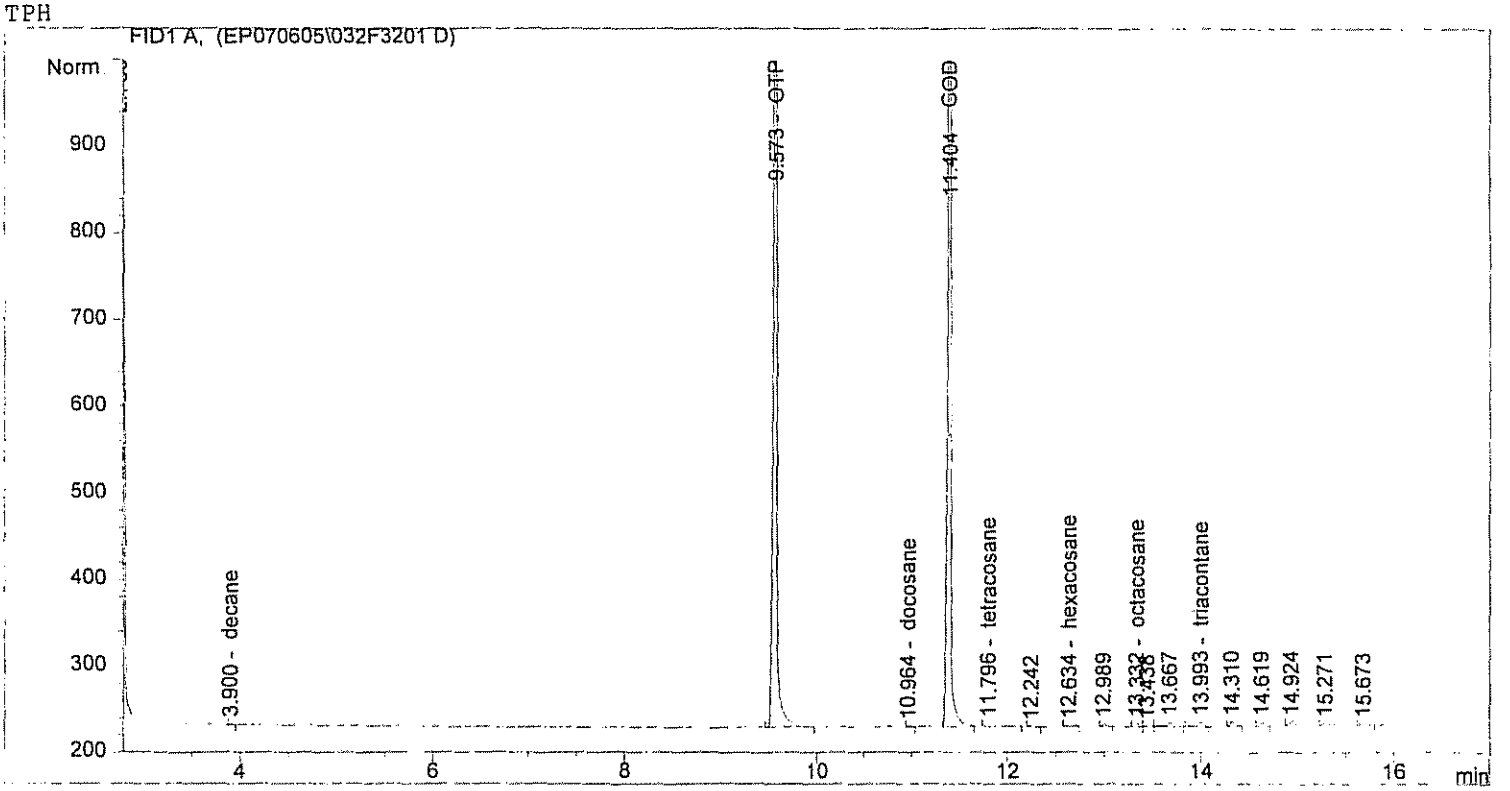
et Time	Area	Type	Width	Ref#	ng	Name
3.072	0.00000	XX	0.00	1	0.00000	nonane
3.900	3.34766	BP	0.02	2	4.065e-6	decane
5.541	0.00000	XX	0.00	3	0.00000	dodecane
6.610	0.00000	XX	0.00	4	0.00000	2-FB(frac2)
6.898	0.00000	XX	0.00	5	0.00000	tetradecane
7.485	0.00000	XX	0.00	6	0.00000	2-BrN(frac)
8.095	0.00000	XX	0.00	7	0.00000	hexadecane
9.172	0.00000	XX	0.00	8	0.00000	octadecane
9.573	3174.00977	VB	0.02	9	0.00385	OTP
9.605	0.00000	XX	0.00	10	0.00000	nonadecane
10.154	0.00000	XX	0.00	11	0.00000	eicosane
10.964	3.03278	VP	0.02	12	3.682e-6	docosane
11.404	2775.75830	VB	0.02	13	0.00337	COD
11.796	36.92805	PB	0.11	14	4.484e-5	tetracosane
12.634	6.67300	PB	0.04	15	8.102e-6	hexacosane
13.332	11.90826	BV	0.03	16	1.446e-5	octacosane
13.993	15.07380	BP	0.04	17	1.830e-5	triacontane
16.215	0.00000	XX	0.00	18	0.00000	hexatriacontane
0.519	2.42586	PP	0.01	1	2.945e-6	* uncalibrated *
0.563	3.18404	VV	9.01e	2	3.866e-6	* uncalibrated *
1.823	8.15856e7	VVS	1.01	3	99.05902	* uncalibrated *
1.947	7.04047e4	VVS	0.03	4	0.08548	* uncalibrated *
1.994	5.35437e4	VVS	0.03	5	0.06501	* uncalibrated *
2.046	1.03650e5	VVS	0.08	6	0.12585	* uncalibrated *
2.132	7.17293e4	VVS	0.05	7	0.08709	* uncalibrated *
2.180	4.78822e4	VVS	0.02	8	0.05814	* uncalibrated *
2.221	2.93581e4	VVS	0.02	9	0.03565	* uncalibrated *
2.247	3.56182e4	VVS	0.03	10	0.04325	* uncalibrated *
2.284	2.88888e4	VVS	0.02	11	0.03508	* uncalibrated *
2.314	3.49202e4	VVS	0.02	12	0.04240	* uncalibrated *
2.357	5.88765e4	VVS	0.05	13	0.07149	* uncalibrated *
2.428	4.15422e4	VVS	0.04	14	0.05044	* uncalibrated *
2.464	5.64842e4	VVS	0.06	15	0.06858	* uncalibrated *
2.557	3.90085e4	VVS	0.03	16	0.04736	* uncalibrated *
2.615	4.44500e4	VVS	0.05	17	0.05397	* uncalibrated *
2.650	1.07721e4	VVS	0.02	18	0.01308	* uncalibrated *
2.682	1.68671e4	VVS	0.03	19	0.02048	* uncalibrated *
2.719	1.34349e4	VVS	0.03	20	0.01631	* uncalibrated *
2.766	1.14430e4	VBAS	0.03	21	0.01389	* uncalibrated *
12.242	4.22362	PB	0.04	22	5.128e-6	* uncalibrated *
12.989	9.31645	BB	0.03	23	1.131e-5	* uncalibrated *
13.438	5.41943	VV	0.05	24	6.580e-6	* uncalibrated *
13.667	16.74616	VP	0.04	25	2.033e-5	* uncalibrated *

14.310	14.04389	VV	0.03	26	1.705e-5	* uncalibrated *
14.619	13.99871	VV	0.04	27	1.700e-5	* uncalibrated *
14.924	11.78855	VV	0.03	28	1.431e-5	* uncalibrated *
15.271	8.92627	VP	0.04	29	1.084e-5	* uncalibrated *
15.673	6.78943	BB	0.04	30	8.244e-6	* uncalibrated *

'arning : Calibration warnings (see calibration table listing)
!arning : Calibrated compound(s) not found

==========

```
==========================================================================
Injection Date  : 7/7/2005 12:29:25 AM          Seq. Line :  32
Sample Name     : 137803 x1 T                    Location : Vial 32
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    : 6/8/2005 10:16:35 AM by CLP
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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	3.900	BP	0.0235	3.34766	4.065e-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	9.573	VB	0.0264	3174.00977	0.00385	OTP
10	9.605		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	10.964	VP	0.0285	3.03278	3.682e-6	docosane
13	11.404	VB	0.0291	2775.75830	0.00337	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.796	PB	0.1123	36.92805	4.484e-5	tetracosane
15	12.634	PB	0.0451	6.67300	8.102e-6	hexacosane
16	13.332	BV	0.0389	11.90826	1.446e-5	octacosane
17	13.993	BP	0.0402	15.07380	1.830e-5	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 6026.73162 7.317e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.519	PP	0.0187	2.42586	2.945e-6	?
2	0.563	VV	9.01e-3	3.18404	3.866e-6	?
3	1.823	VV S	1.0131	8.15856e7	99.05902	?
4	1.947	VV S	0.0387	7.04047e4	0.08548	?
5	1.994	VV S	0.0304	5.35437e4	0.06501	?
6	2.046	VV S	0.0812	1.03650e5	0.12585	?
7	2.132	VV S	0.0506	7.17293e4	0.08709	?
8	2.180	VV S	0.0299	4.78822e4	0.05814	?
9	2.221	VV S	0.0246	2.93581e4	0.03565	?
10	2.247	VV S	0.0327	3.56182e4	0.04325	?
11	2.284	VV S	0.0233	2.88888e4	0.03508	?
12	2.314	VV S	0.0281	3.49202e4	0.04240	?
13	2.357	VV S	0.0517	5.88765e4	0.07149	?
14	2.428	VV S	0.0416	4.15422e4	0.05044	?
15	2.464	VV S	0.0678	5.64842e4	0.06858	?
16	2.557	VV S	0.0369	3.90085e4	0.04736	?
17	2.615	VV S	0.0508	4.44500e4	0.05397	?
18	2.650	VV S	0.0202	1.07721e4	0.01308	?
19	2.682	VV S	0.0327	1.68671e4	0.02048	?
20	2.719	VV S	0.0366	1.34349e4	0.01631	?
21	2.766	VBAS	0.0336	1.14430e4	0.01389	?
22	12.242	PB	0.0407	4.22362	5.128e-6	?
23	12.989	BB	0.0362	9.31645	1.131e-5	?
24	13.438	VV	0.0508	5.41943	6.580e-6	?
25	13.667	VP	0.0444	16.74616	2.033e-5	?
26	14.310	VV	0.0387	14.04389	1.705e-5	?
27	14.619	VV	0.0404	13.99871	1.700e-5	?
28	14.924	VV	0.0378	11.78855	1.431e-5	?
29	15.271	VP	0.0462	8.92627	1.084e-5	?
30	15.673	BB	0.0490	6.78943	8.244e-6	?

Uncalib. totals : 8.23546e7 99.9927

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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External Standard Report

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ata File Name : C:\HPCHEM\1\DATA\EP070705\043F4301.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-12H x1 T
un Time Bar Code: 137805
cquired on : 8 Jul 05 4:25:50 AM
eport Created on: 8 Jul 2005 2:40:10 PM
ast Recalib on : 8 Jul 2005 2:36:09 PM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 43
Injection Number : 1
Sequence Line : 43
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070705\043F4301.D

let Time	Area	Type	Width	Ref#	ng	Name
3.072	0.00000	XX	0.00	1	0.00000	nonane
3.890	7.10494	VB	0.04	2	8.567e-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
9.500	0.00000	XX	0.00	9	0.00000	nonadecane
9.563	3476.24902	BB	0.03	10	0.00419	OTP
10.154	0.00000	XX	0.00	11	0.00000	eicosane
10.963	3.49823	VB	0.04	12	4.218e-6	docosane
11.399	3071.65991	BB	0.03	13	0.00370	COD
11.870	14.99217	VV	0.08	14	1.808e-5	tetracosane
12.622	7.12856	VB	0.04	15	8.596e-6	hexacosane
13.324	14.97573	VV	0.05	16	1.806e-5	octacosane
13.990	15.00849	VV	0.04	17	1.810e-5	triacontane
16.146	8.58100	VV	0.08	18	1.035e-5	hexatriacontane
0.049	3.29972	BP	0.04	1	3.979e-6	* uncalibrated *
0.549	78.24542	PV	0.02	2	9.435e-5	* uncalibrated *
1.828	8.19623e7	VVS	1.00	3	98.83341	* uncalibrated *
1.885	8.23882e5	VVS	0.01	4	0.99347	* uncalibrated *
1.951	2.82775e4	VVS	0.07	5	0.03410	* uncalibrated *
1.989	1.84915e4	VVS	0.06	6	0.02230	* uncalibrated *
2.075	9339.40527	VVS	0.03	7	0.01126	* uncalibrated *
2.117	9372.03809	VVS	0.03	8	0.01130	* uncalibrated *
2.171	6496.25098	VVS	0.02	9	0.00783	* uncalibrated *
2.211	7817.51172	VVS	0.03	10	0.00943	* uncalibrated *
2.261	1.00434e4	VVS	0.04	11	0.01211	* uncalibrated *
2.327	8385.05859	VVS	0.03	12	0.01011	* uncalibrated *
2.372	6663.20947	VVS	0.03	13	0.00803	* uncalibrated *
2.428	6424.42285	VVS	0.02	14	0.00775	* uncalibrated *
2.471	5777.59570	VVS	0.03	15	0.00697	* uncalibrated *
2.518	4169.87256	VVS	0.02	16	0.00503	* uncalibrated *
2.553	4278.30469	VVS	0.02	17	0.00516	* uncalibrated *
2.593	4298.75244	VVS	0.02	18	0.00518	* uncalibrated *
2.633	5691.61768	VVS	0.03	19	0.00686	* uncalibrated *
2.721	932.02911	VVS	0.02	20	0.00112	* uncalibrated *
2.761	214.59624	VBAS	0.01	21	0.00026	* uncalibrated *
3.477	15.84350	VV	0.02	22	1.910e-5	* uncalibrated *
3.560	11.34685	VV	0.03	23	1.368e-5	* uncalibrated *
3.632	3.48732	VV	0.03	24	4.205e-6	* uncalibrated *
3.833	3.13895	PV	0.02	25	3.785e-6	* uncalibrated *

12.257	7.15109	VV	0.06	26	8.623e-6	* uncalibrated *
12.981	11.07043	VP	0.04	27	1.335e-5	* uncalibrated *
13.432	3.30054	VV	0.04	28	3.980e-6	* uncalibrated *
13.662	19.32118	VP	0.04	29	2.330e-5	* uncalibrated *
14.307	16.35657	VV	0.04	30	1.972e-5	* uncalibrated *
14.502	4.36631	VV	0.05	31	5.265e-6	* uncalibrated *
14.616	18.75551	VV	0.04	32	2.262e-5	* uncalibrated *
14.803	9.91809	VV	0.09	33	1.196e-5	* uncalibrated *
14.922	18.10891	VV	0.05	34	2.184e-5	* uncalibrated *
15.177	10.41808	VV	0.10	35	1.256e-5	* uncalibrated *
15.269	17.91269	VV	0.06	36	2.160e-5	* uncalibrated *
15.454	5.46289	VV	0.05	37	6.587e-6	* uncalibrated *
15.672	20.47568	BB	0.09	38	2.469e-5	* uncalibrated *

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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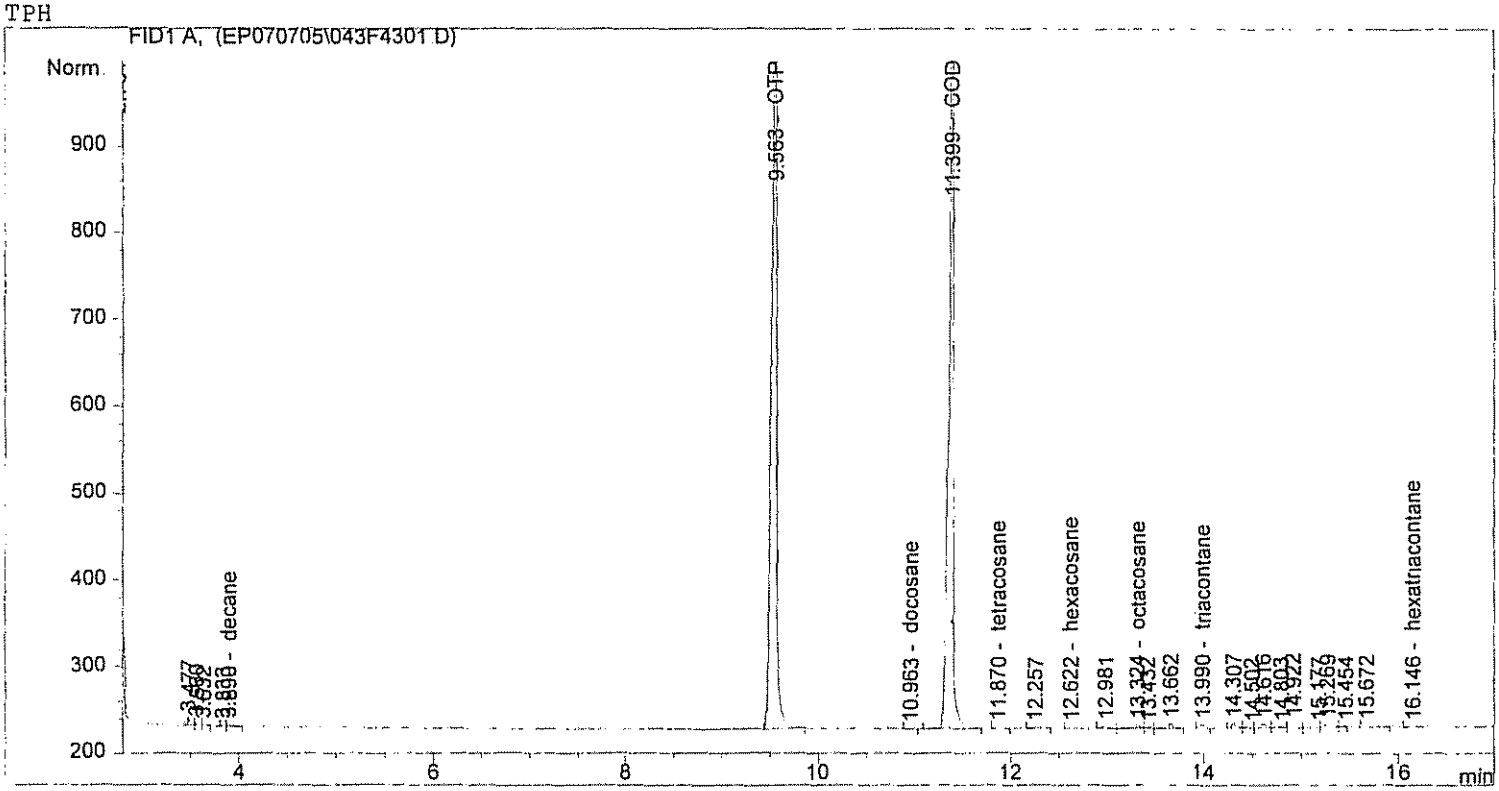
```
==========================================================================
Injection Date  : 7/8/2005 4:25:50 AM          Seq. Line :  43
Sample Name     : 137805 x1 T                   Location : Vial 43
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          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\EPHTK_F.M
Last changed    : 7/8/2005 2:35:13 PM by DCS
                  (modified after loading)
```

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/8/2005 2:36:09 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	3.072		0.0000	0.00000	0.00000	nonane
2	3.890	VB	0.0438	7.10494	8.567e-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	9.500		0.0000	0.00000	0.00000	nonadecane
10	9.563	BB	0.0387	3476.24902	0.00419	OTP
11	10.154		0.0000	0.00000	0.00000	eicosane
12	10.963	VB	0.0402	3.49823	4.218e-6	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.399	BB	0.0362	3071.65991	0.00370	COD
14	11.870	VV	0.0864	14.99217	1.808e-5	tetracosane
15	12.622	VB	0.0468	7.12856	8.596e-6	hexacosane
16	13.324	VV	0.0514	14.97573	1.806e-5	octacosane
17	13.990	VV	0.0419	15.00849	1.810e-5	triacontane
18	16.146	VV	0.0860	8.58100	1.035e-5	hexatriacontane

Totals : 6619.19804 7.982e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.049	BP	0.0408	3.29972	3.979e-6	?
2	0.549	PV	0.0236	78.24542	9.435e-5	?
3	1.828	VV S	1.0098	8.19623e7	98.83341	?
4	1.885	VV S	0.0178	8.23882e5	0.99347	?
5	1.951	VV S	0.0796	2.82775e4	0.03410	?
6	1.989	VV S	0.0611	1.84915e4	0.02230	?
7	2.075	VV S	0.0305	9339.40527	0.01126	?
8	2.117	VV S	0.0389	9372.03809	0.01130	?
9	2.171	VV S	0.0265	6496.25098	0.00783	?
10	2.211	VV S	0.0303	7817.51172	0.00943	?
11	2.261	VV S	0.0461	1.00434e4	0.01211	?
12	2.327	VV S	0.0391	8385.05859	0.01011	?
13	2.372	VV S	0.0334	6663.20947	0.00803	?
14	2.428	VV S	0.0298	6424.42285	0.00775	?
15	2.471	VV S	0.0393	5777.59570	0.00697	?
16	2.518	VV S	0.0251	4169.87256	0.00503	?
17	2.553	VV S	0.0291	4278.30469	0.00516	?
18	2.593	VV S	0.0275	4298.75244	0.00518	?
19	2.633	VV S	0.0385	5691.61768	0.00686	?
20	2.721	VV S	0.0226	932.02911	0.00112	?
21	2.761	VBAS	0.0128	214.59624	0.00026	?
22	3.477	VV	0.0241	15.84350	1.910e-5	?
23	3.560	VV	0.0385	11.34685	1.368e-5	?
24	3.632	VV	0.0351	3.48732	4.205e-6	?
25	3.833	PV	0.0294	3.13895	3.785e-6	?
26	12.257	VV	0.0601	7.15109	8.623e-6	?
27	12.981	VP	0.0473	11.07043	1.335e-5	?
28	13.432	VV	0.0408	3.30054	3.980e-6	?
29	13.662	VP	0.0495	19.32118	2.330e-5	?
30	14.307	VV	0.0442	16.35657	1.972e-5	?
31	14.502	VV	0.0533	4.36631	5.265e-6	?
32	14.616	VV	0.0489	18.75551	2.262e-5	?
33	14.803	VV	0.0968	9.91809	1.196e-5	?
34	14.922	VV	0.0528	18.10891	2.184e-5	?
35	15.177	VV	0.1090	10.41808	1.256e-5	?
36	15.269	VV	0.0685	17.91269	2.160e-5	?
37	15.454	VV	0.0592	5.46289	6.587e-6	?
38	15.672	BB	0.0975	20.47568	2.469e-5	?

Uncalib. totals : 8.29231e7 99.9920

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

ata File Name : C:\HPCHEM\1\DATA\EP070605\033F3301.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-12G x1 T
un Time Bar Code: 137804
cquired on : 7 Jul 05 12:57:05 AM
eport Created on: 7 Jul 2005 9:37:01 AM
ast Recalib on : 8 Jun 2005 10:16:23 AM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 33
Injection Number : 1
Sequence Line : 33
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070605\033F3301.D

et Time	Area	Type	Width	Ref#	ng	Name
3.072	0.00000	XX	0.00	1	0.00000	nonane
3.881	3.37408	VB	0.02	2	4.863e-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
9.574	3079.86938	BB	0.02	9	0.00444	OTP
9.605	0.00000	XX	0.00	10	0.00000	nonadecane
10.154	0.00000	XX	0.00	11	0.00000	eicosane
10.969	2.77078	BB	0.02	12	3.994e-6	docosane
11.405	2727.04370	VB	0.02	13	0.00393	COD
11.906	12.33334	VP	0.08	14	1.778e-5	tetracosane
12.640	6.98182	BP	0.04	15	1.006e-5	hexacosane
13.334	13.11983	VV	0.03	16	1.891e-5	octacosane
13.993	15.22623	VB	0.03	17	2.195e-5	triacontane
16.147	4.69196	PV	0.06	18	6.763e-6	hexatriacontane
0.516	1.40693	PP	0.01	1	2.028e-6	* uncalibrated *
0.560	1.17436	VP	7.06e	2	1.693e-6	* uncalibrated *
1.623	6.67203e7	VVS	0.85	3	96.17232	* uncalibrated *
1.766	3.56057e5	VVS	0.07	4	0.51323	* uncalibrated *
1.842	1.65210e5	VVS	0.03	5	0.23814	* uncalibrated *
1.872	1.39717e5	VVS	0.03	6	0.20139	* uncalibrated *
1.932	1.79021e5	VVS	0.04	7	0.25804	* uncalibrated *
1.994	2.01346e5	VVS	0.05	8	0.29023	* uncalibrated *
2.053	1.58454e5	VVS	0.04	9	0.22840	* uncalibrated *
2.102	1.48250e5	VVS	0.03	10	0.21369	* uncalibrated *
2.152	1.22288e5	VVS	0.02	11	0.17627	* uncalibrated *
2.195	1.12780e5	VVS	0.03	12	0.16256	* uncalibrated *
2.257	1.39551e5	VVS	0.04	13	0.20115	* uncalibrated *
2.300	1.16142e5	VVS	0.03	14	0.16741	* uncalibrated *
2.354	1.36731e5	VVS	0.04	15	0.19709	* uncalibrated *
2.410	9.21551e4	VVS	0.02	16	0.13283	* uncalibrated *
2.452	1.11809e5	VVS	0.04	17	0.16116	* uncalibrated *
2.501	9.85370e4	VVS	0.03	18	0.14203	* uncalibrated *
2.539	7.96044e4	VVS	0.03	19	0.11474	* uncalibrated *
2.584	7.63650e4	VVS	0.02	20	0.11007	* uncalibrated *
2.622	9.84254e4	VVS	0.03	21	0.14187	* uncalibrated *
2.665	6.06822e4	VVS	0.03	22	0.08747	* uncalibrated *
2.715	4.24122e4	VVS	0.04	23	0.06113	* uncalibrated *
2.777	1.39739e4	VBAS	0.02	24	0.02014	* uncalibrated *
12.278	4.88550	PB	0.04	25	7.042e-6	* uncalibrated *

12.992	10.17278	BP	0.03	26	1.466e-5	* uncalibrated *
13.439	3.90637	VV	0.04	27	5.631e-6	* uncalibrated *
13.669	15.48470	VB	0.03	28	2.232e-5	* uncalibrated *
14.309	15.96361	VV	0.03	29	2.301e-5	* uncalibrated *
14.617	15.47170	VV	0.03	30	2.230e-5	* uncalibrated *
14.922	14.94451	VV	0.04	31	2.154e-5	* uncalibrated *
15.268	13.55034	VV	0.05	32	1.953e-5	* uncalibrated *
15.671	9.96218	VB	0.05	33	1.436e-5	* uncalibrated *

Warning : Calibration Warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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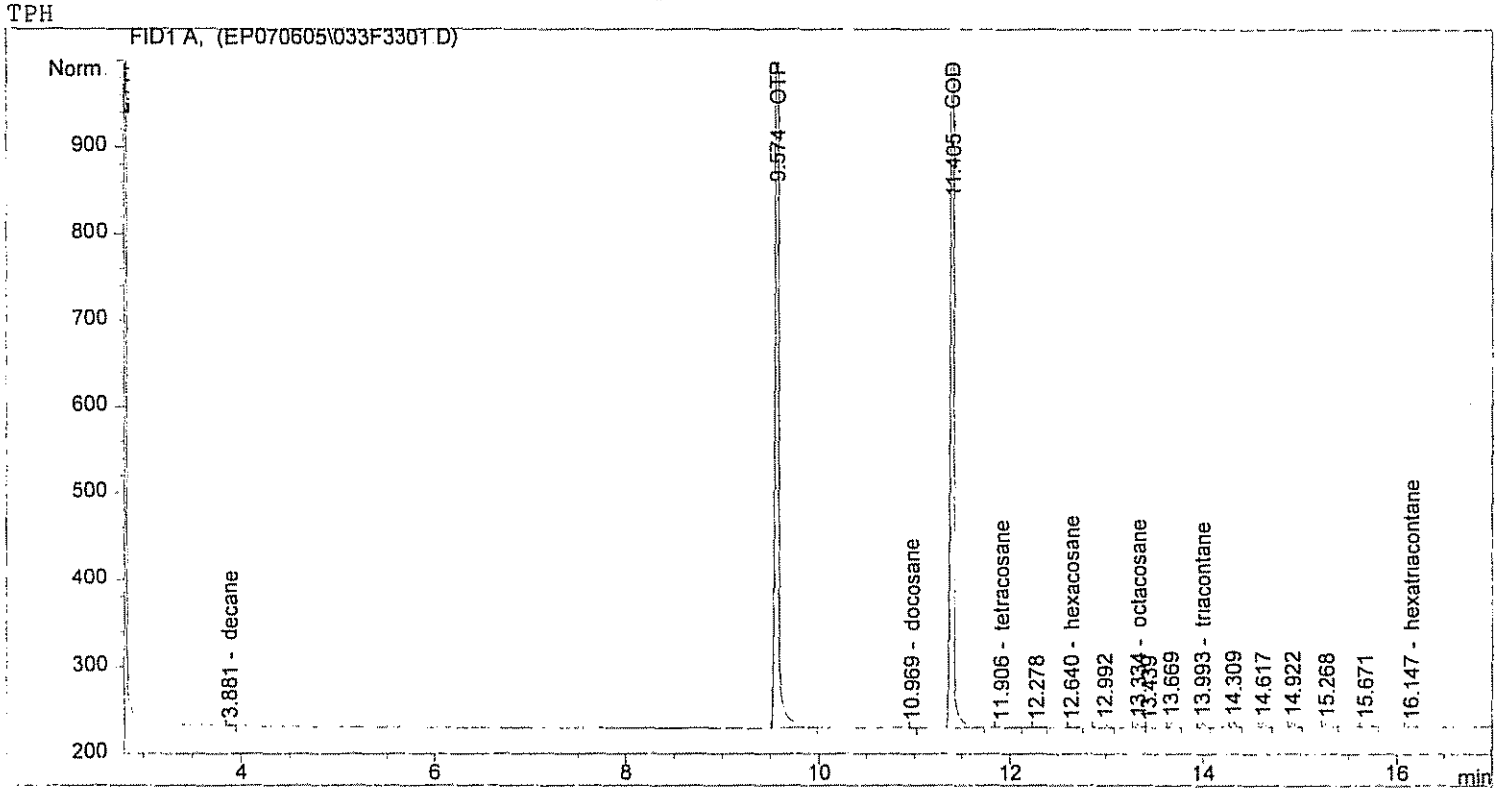
```
==========================================================================
Injection Date  : 7/7/2005 12:57:05 AM          Seq. Line :  33
Sample Name     : 137804 x1 T                    Location : Vial 33
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                           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    : 6/8/2005 10:16:35 AM by CLP
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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	3.881	VB	0.0257	3.37408	4.863e-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	9.574	BB	0.0271	3079.86938	0.00444	OTP
10	9.605		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	10.969	BB	0.0230	2.77078	3.994e-6	docosane
13	11.405	VB	0.0269	2727.04370	0.00393	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.906	VP	0.0826	12.33334	1.778e-5	tetracosane
15	12.640	BP	0.0425	6.98182	1.006e-5	hexacosane
16	13.334	VV	0.0396	13.11983	1.891e-5	octacosane
17	13.993	VB	0.0369	15.22623	2.195e-5	triacontane
18	16.147	PV	0.0623	4.69196	6.763e-6	hexatriacontane

Totals : 5865.41113 8.455e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.516	PP	0.0175	1.40693	2.028e-6	?
2	0.560	VP	7.06e-3	1.17436	1.693e-6	?
3	1.623	VV S	0.8538	6.67203e7	96.17232	?
4	1.766	VV S	0.0766	3.56057e5	0.51323	?
5	1.842	VV S	0.0352	1.65210e5	0.23814	?
6	1.872	VV S	0.0319	1.39717e5	0.20139	?
7	1.932	VV S	0.0461	1.79021e5	0.25804	?
8	1.994	VV S	0.0553	2.01346e5	0.29023	?
9	2.053	VV S	0.0436	1.58454e5	0.22840	?
10	2.102	VV S	0.0385	1.48250e5	0.21369	?
11	2.152	VV S	0.0298	1.22288e5	0.17627	?
12	2.195	VV S	0.0333	1.12780e5	0.16256	?
13	2.257	VV S	0.0464	1.39551e5	0.20115	?
14	2.300	VV S	0.0380	1.16142e5	0.16741	?
15	2.354	VV S	0.0463	1.36731e5	0.19709	?
16	2.410	VV S	0.0289	9.21551e4	0.13283	?
17	2.452	VV S	0.0431	1.11809e5	0.16116	?
18	2.501	VV S	0.0395	9.85370e4	0.14203	?
19	2.539	VV S	0.0362	7.96044e4	0.11474	?
20	2.584	VV S	0.0239	7.63650e4	0.11007	?
21	2.622	VV S	0.0381	9.84254e4	0.14187	?
22	2.665	VV S	0.0371	6.06822e4	0.08747	?
23	2.715	VV S	0.0435	4.24122e4	0.06113	?
24	2.777	VBAS	0.0266	1.39739e4	0.02014	?
25	12.278	PB	0.0429	4.88550	7.042e-6	?
26	12.992	BP	0.0357	10.17278	1.466e-5	?
27	13.439	VV	0.0450	3.90637	5.631e-6	?
28	13.669	VB	0.0381	15.48470	2.232e-5	?
29	14.309	VV	0.0366	15.96361	2.301e-5	?
30	14.617	VV	0.0383	15.47170	2.230e-5	?
31	14.922	VV	0.0406	14.94451	2.154e-5	?
32	15.268	VV	0.0524	13.55034	1.953e-5	?
33	15.671	VB	0.0574	9.96218	1.436e-5	?

Uncalib. totals : 6.93699e7 99.9915

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

ata File Name : C:\HPCHEM\1\DATA\EP070705\027F2701.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-13G x4 K
un Time Bar Code: 137806
cquired on : 7 Jul 05 9:07:32 PM
eport Created on: 8 Jul 2005 2:38:16 PM
ast Recalib on : 8 Jul 2005 2:36:09 PM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 27
Injection Number : 1
Sequence Line : 27
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070705\027F2701.D

et Time	Area	Type	Width	Ref#	ng	Name
3.124	7.66289	VV	0.03	1	9.193e-6	nonane
3.879	20.27086	VV	0.02	2	2.432e-5	decane
5.543	475.67630	VV	0.04	3	0.00057	dodecane
6.654	1266.70740	VV	0.07	4	0.00152	2-FB(frac2)
6.861	290.92966	VV	0.03	5	0.00035	tetradecane
7.470	825.52997	VV	0.07	6	0.00099	2-BrN(frac)
8.046	736.75702	VV	0.07	7	0.00088	hexadecane
9.125	1266.27625	VV	0.09	8	0.00152	octadecane
9.404	167.46964	VV	0.03	9	0.00020	nonadecane
9.544	1457.69080	VV	0.21	10	0.00175	OTP
10.093	335.56601	VV	0.10	11	0.00040	eicosane
11.016	51.66346	VV	0.06	12	6.198e-5	docosane
11.384	734.36304	VB	0.03	13	0.00088	COD
11.888	0.00000	XX	0.00	14	0.00000	tetracosane
12.658	0.00000	XX	0.00	15	0.00000	hexacosane
13.336	5.76248	VP	0.04	16	6.913e-6	octacosane
14.003	7.00760	PP	0.05	17	8.407e-6	triacontane
16.215	0.00000	XX	0.00	18	0.00000	hexatriacontane
0.562	7.96411	PV	0.01	1	9.555e-6	* uncalibrated *
0.592	14.35410	VV	0.01	2	1.722e-5	* uncalibrated *
1.785	8.23468e7	VVS	1.01	3	98.79326	* uncalibrated *
1.881	8.24824e5	VVS	0.01	4	0.98956	* uncalibrated *
1.962	1.05152e4	VVS	0.03	5	0.01262	* uncalibrated *
1.993	6596.16406	VVS	0.02	6	0.00791	* uncalibrated *
2.024	8572.21777	VVS	0.02	7	0.01028	* uncalibrated *
2.065	9992.13184	VVS	0.03	8	0.01199	* uncalibrated *
2.096	8978.30566	VVS	0.03	9	0.01077	* uncalibrated *
2.139	8067.59961	VVS	0.03	10	0.00968	* uncalibrated *
2.179	9792.12305	VVS	0.03	11	0.01175	* uncalibrated *
2.223	6873.36816	VVS	0.02	12	0.00825	* uncalibrated *
2.253	7941.14844	VVS	0.03	13	0.00953	* uncalibrated *
2.301	9744.19043	VVS	0.03	14	0.01169	* uncalibrated *
2.356	9493.73437	VVS	0.04	15	0.01139	* uncalibrated *
2.422	1.20182e4	VVS	0.06	16	0.01442	* uncalibrated *
2.485	8718.20898	VVS	0.04	17	0.01046	* uncalibrated *
2.535	5792.86768	VVS	0.03	18	0.00695	* uncalibrated *
2.568	1.66058e4	VVS	0.09	19	0.01992	* uncalibrated *
2.696	1558.30115	VVS	0.01	20	0.00187	* uncalibrated *
2.730	2163.42822	VVS	0.03	21	0.00260	* uncalibrated *
2.769	2131.46265	VBAS	0.04	22	0.00256	* uncalibrated *
2.862	3.97701	BP	0.01	23	4.771e-6	* uncalibrated *
2.978	7.53046	VP	0.02	24	9.034e-6	* uncalibrated *
3.148	2.23466	VP	0.02	25	2.681e-6	* uncalibrated *

3.222	12.14384	VV	0.02	26	1.457e-5	*	uncalibrated *
3.279	5.75701	VV	0.01	27	6.907e-6	*	uncalibrated *
3.310	14.79248	VV	0.02	28	1.775e-5	*	uncalibrated *
3.351	20.05829	VV	0.02	29	2.406e-5	*	uncalibrated *
3.405	17.40014	VV	0.02	30	2.088e-5	*	uncalibrated *
3.436	6.36552	VV	0.02	31	7.637e-6	*	uncalibrated *
3.471	4.75970	VV	0.02	32	5.710e-6	*	uncalibrated *
3.513	21.84859	VV	0.02	33	2.621e-5	*	uncalibrated *
3.575	23.30212	VV	0.02	34	2.796e-5	*	uncalibrated *
3.625	13.23358	VV	0.03	35	1.588e-5	*	uncalibrated *
3.656	31.82686	VV	0.03	36	3.818e-5	*	uncalibrated *
3.758	51.14150	VV	0.03	37	6.136e-5	*	uncalibrated *
3.840	18.48151	VV	0.03	38	2.217e-5	*	uncalibrated *
3.916	24.79542	VV	0.04	39	2.975e-5	*	uncalibrated *
3.962	11.37906	VV	0.01	40	1.365e-5	*	uncalibrated *
3.994	28.98006	VV	0.03	41	3.477e-5	*	uncalibrated *
4.067	90.10043	VV	0.02	42	0.00011	*	uncalibrated *
4.126	71.01663	VV	0.02	43	8.520e-5	*	uncalibrated *
4.162	41.89507	VV	0.02	44	5.026e-5	*	uncalibrated *
4.193	53.85571	VV	0.02	45	6.461e-5	*	uncalibrated *
4.236	20.75829	VV	0.02	46	2.490e-5	*	uncalibrated *
4.301	100.13470	VV	0.02	47	0.00012	*	uncalibrated *
4.344	25.53541	VV	0.01	48	3.064e-5	*	uncalibrated *
4.381	80.31968	VV	0.05	49	9.636e-5	*	uncalibrated *
4.472	78.26118	VV	0.03	50	9.389e-5	*	uncalibrated *
4.500	48.36159	VV	0.03	51	5.802e-5	*	uncalibrated *
4.545	53.45073	VV	0.02	52	6.413e-5	*	uncalibrated *
4.582	91.41007	VV	0.04	53	0.00011	*	uncalibrated *
4.656	143.68810	VV	0.03	54	0.00017	*	uncalibrated *
4.704	31.20778	VV	0.01	55	3.744e-5	*	uncalibrated *
4.739	96.42325	VV	0.02	56	0.00012	*	uncalibrated *
4.765	57.56934	VV	0.02	57	6.907e-5	*	uncalibrated *
4.809	120.29847	VV	0.03	58	0.00014	*	uncalibrated *
4.864	235.49872	VV	0.03	59	0.00028	*	uncalibrated *
4.934	135.76688	VV	0.02	60	0.00016	*	uncalibrated *
4.979	89.19373	VV	0.03	61	0.00011	*	uncalibrated *
5.041	114.15520	VV	0.03	62	0.00014	*	uncalibrated *
5.106	219.25760	VV	0.04	63	0.00026	*	uncalibrated *
5.159	190.61630	VV	0.04	64	0.00023	*	uncalibrated *
5.228	148.51598	VV	0.03	65	0.00018	*	uncalibrated *
5.271	170.18216	VV	0.03	66	0.00020	*	uncalibrated *
5.329	294.15430	VV	0.05	67	0.00035	*	uncalibrated *
5.408	203.02228	VV	0.04	68	0.00024	*	uncalibrated *
5.461	186.38643	VV	0.04	69	0.00022	*	uncalibrated *
5.583	306.71350	VV	0.04	70	0.00037	*	uncalibrated *
5.646	121.21140	VV	0.02	71	0.00015	*	uncalibrated *
5.717	480.99893	VV	0.06	72	0.00058	*	uncalibrated *
5.855	754.76208	VV	0.08	73	0.00091	*	uncalibrated *
5.961	891.26379	VV	0.06	74	0.00107	*	uncalibrated *
6.075	352.28851	VV	0.04	75	0.00042	*	uncalibrated *
6.102	241.82939	VV	0.02	76	0.00029	*	uncalibrated *
6.138	206.04095	VV	0.02	77	0.00025	*	uncalibrated *
6.172	132.72319	VV	0.01	78	0.00016	*	uncalibrated *
6.235	422.86465	VV	0.04	79	0.00051	*	uncalibrated *
6.265	311.52512	VV	0.03	80	0.00037	*	uncalibrated *
6.313	289.35968	VV	0.03	81	0.00035	*	uncalibrated *
6.407	788.46814	VV	0.07	82	0.00095	*	uncalibrated *
6.505	774.04028	VV	0.07	83	0.00093	*	uncalibrated *
6.751	567.18646	VV	0.05	84	0.00068	*	uncalibrated *
6.828	690.50159	VV	0.05	85	0.00083	*	uncalibrated *

6.957	1007.43860	VV	0.06	86	0.00121	*	uncalibrated *
7.016	406.67230	VV	0.04	87	0.00049	*	uncalibrated *
7.099	609.95471	VV	0.04	88	0.00073	*	uncalibrated *
7.190	1751.45850	VV	0.06	89	0.00210	*	uncalibrated *
7.304	524.14557	VV	0.05	90	0.00063	*	uncalibrated *
7.397	852.57233	VV	0.06	91	0.00102	*	uncalibrated *
7.600	730.86700	VV	0.07	92	0.00088	*	uncalibrated *
7.726	1157.25098	VV	0.08	93	0.00139	*	uncalibrated *
7.804	594.97864	VV	0.05	94	0.00071	*	uncalibrated *
7.952	635.60107	VV	0.06	95	0.00076	*	uncalibrated *
7.995	246.96313	VV	0.02	96	0.00030	*	uncalibrated *
8.154	412.33044	VV	0.05	97	0.00049	*	uncalibrated *
8.274	1507.34839	VV	0.08	98	0.00181	*	uncalibrated *
8.381	291.86197	VV	0.03	99	0.00035	*	uncalibrated *
8.490	406.59433	VV	0.05	100	0.00049	*	uncalibrated *
8.586	1839.69946	VV	0.06	101	0.00221	*	uncalibrated *
8.737	371.68692	VV	0.05	102	0.00045	*	uncalibrated *
8.788	267.97906	VV	0.03	103	0.00032	*	uncalibrated *
8.829	234.12331	VV	0.03	104	0.00028	*	uncalibrated *
8.873	399.52527	VV	0.05	105	0.00048	*	uncalibrated *
8.957	178.50691	VV	0.02	106	0.00021	*	uncalibrated *
8.993	237.32100	VV	0.03	107	0.00028	*	uncalibrated *
9.258	427.52600	VV	0.07	108	0.00051	*	uncalibrated *
9.365	214.52808	VV	0.04	109	0.00026	*	uncalibrated *
9.860	118.86895	VV	0.03	110	0.00014	*	uncalibrated *
9.956	359.98160	VV	0.08	111	0.00043	*	uncalibrated *
10.041	114.51373	VV	0.03	112	0.00014	*	uncalibrated *
10.228	134.05055	VV	0.07	113	0.00016	*	uncalibrated *
10.327	62.97395	VV	0.02	114	7.555e-5	*	uncalibrated *
10.412	302.42776	VV	0.11	115	0.00036	*	uncalibrated *
10.571	127.10190	VV	0.07	116	0.00015	*	uncalibrated *
10.664	132.44447	VV	0.08	117	0.00016	*	uncalibrated *
10.833	156.18346	VV	0.12	118	0.00019	*	uncalibrated *
10.981	28.20823	VV	0.03	119	3.384e-5	*	uncalibrated *
11.118	55.80455	VV	0.08	120	6.695e-5	*	uncalibrated *
11.241	14.32549	VV	0.03	121	1.719e-5	*	uncalibrated *
12.990	5.06329	BP	0.04	122	6.075e-6	*	uncalibrated *
13.675	7.26146	BB	0.04	123	8.712e-6	*	uncalibrated *
14.320	7.88741	VV	0.05	124	9.463e-6	*	uncalibrated *
14.629	8.59315	VV	0.06	125	1.031e-5	*	uncalibrated *
14.933	7.05776	VV	0.04	126	8.467e-6	*	uncalibrated *
15.281	3.91571	VP	0.05	127	4.698e-6	*	uncalibrated *

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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External Standard Report

ata File Name : C:\HPCHEM\1\DATA\EP070705\028F2801.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-13G x1 R
un Time Bar Code: 137806
cquired on : 7 Jul 05 9:35:30 PM
eport Created on: 8 Jul 2005 2:42:20 PM
ast Recalib on : 8 Jul 2005 2:42:10 PM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 28
Injection Number : 1
Sequence Line : 28
Instrument Method: PROEPH.M
Analysis Method : EPH-R_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070705\028F2801.D

et Time	Area	Type	Width	Ref#	ng	Name
5.350	283.76807	VV	0.03	1	0.00034	naphthalene
6.124	2296.97461	VV	0.05	2	0.00277	2-methylnaphthalene
6.632	1.00276e4	VV	0.06	3	0.01210	2-FB(frac2)
7.177	1109.14575	VV	0.04	4	0.00134	acenaphthylene
7.312	7659.28027	VV	0.05	5	0.00924	2-BrN(frac)
7.358	1371.89526	VV	0.04	6	0.00166	acenaphthene
8.006	2413.16919	VV	0.05	7	0.00291	fluorene
9.054	389.49512	VV	0.02	8	0.00047	phenanthrene
9.184	1736.32849	VV	0.07	9	0.00210	anthracene
9.580	3388.35962	MM	0.04	10	0.00409	OTP
10.411	134.95891	VV	0.03	11	0.00016	fluoranthene
10.614	415.50357	VV	0.10	12	0.00050	pyrene
11.391	2.95888	PB	0.02	13	3.571e-6	COD
12.131	28.55429	PB	0.09	14	3.446e-5	benzo(a)anthracene
12.379	20.05217	BB	0.03	15	2.420e-5	chrysene
13.305	0.00000	XX	0.00	16	0.00000	benzo(b)fluoranthene
13.390	13.92282	BB	0.07	17	1.680e-5	benzo(k)fluoranthene
13.614	0.00000	XX	0.00	18	0.00000	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
0.556	132.12315	PV	0.02	1	0.00016	* uncalibrated *
0.593	64.99896	VV	0.02	2	7.844e-5	* uncalibrated *
0.705	1.04616e6	VVS	0.03	3	1.26242	* uncalibrated *
1.845	8.06783e7	VVS	0.99	4	97.35598	* uncalibrated *
1.894	9.06901e5	VVS	0.01	5	1.09437	* uncalibrated *
1.995	1.32078e4	VVS	0.03	6	0.01594	* uncalibrated *
2.046	1.92078e4	VVS	0.06	7	0.02318	* uncalibrated *
2.127	1.08225e4	VVS	0.03	8	0.01306	* uncalibrated *
2.161	9643.65918	VVS	0.03	9	0.01164	* uncalibrated *
2.221	1.15181e4	VVS	0.04	10	0.01390	* uncalibrated *
2.264	7378.04932	VVS	0.03	11	0.00890	* uncalibrated *
2.306	8340.46191	VVS	0.03	12	0.01006	* uncalibrated *
2.345	8642.18359	VVS	0.03	13	0.01043	* uncalibrated *
2.433	1.23919e4	VVS	0.05	14	0.01495	* uncalibrated *
2.472	7613.04443	VVS	0.03	15	0.00919	* uncalibrated *
2.527	8011.64551	VVS	0.04	16	0.00967	* uncalibrated *
2.605	1.86136e4	VVS	0.10	17	0.02246	* uncalibrated *
2.720	3541.94971	VVS	0.04	18	0.00427	* uncalibrated *
2.774	1981.81079	VBS	0.02	19	0.00239	* uncalibrated *
2.810	67.69997	BVT	0.01	20	8.169e-5	* uncalibrated *
2.854	39.73531	VVT	0.03	21	4.795e-5	* uncalibrated *
3.028	29.95160	VVT	0.08	22	3.614e-5	* uncalibrated *

3.097	6.54720	VBT	0.02	23	7.901e-6	*	uncalibrated *
3.278	5.41248	PP	0.04	24	6.531e-6	*	uncalibrated *
3.478	24.23988	BV	0.01	25	2.925e-5	*	uncalibrated *
3.559	20.45314	VV	0.03	26	2.468e-5	*	uncalibrated *
3.632	3.69160	VB	0.02	27	4.455e-6	*	uncalibrated *
3.826	10.10048	BV	0.02	28	1.219e-5	*	uncalibrated *
3.887	9.69326	VV	0.02	29	1.170e-5	*	uncalibrated *
3.938	8.17887	VV	0.01	30	9.870e-6	*	uncalibrated *
3.964	11.42462	VB	0.01	31	1.379e-5	*	uncalibrated *
4.056	2.53294	PP	0.02	32	3.057e-6	*	uncalibrated *
4.122	1.98873	BV	0.01	33	2.400e-6	*	uncalibrated *
4.158	18.69242	VV	0.01	34	2.256e-5	*	uncalibrated *
4.188	7.43168	VB	0.01	35	8.968e-6	*	uncalibrated *
4.278	31.87851	PV	0.01	36	3.847e-5	*	uncalibrated *
4.327	33.20438	VV	0.02	37	4.007e-5	*	uncalibrated *
4.370	16.58652	VB	0.02	38	2.002e-5	*	uncalibrated *
4.518	18.97627	BV	0.01	39	2.290e-5	*	uncalibrated *
4.558	166.23212	VV	0.01	40	0.00020	*	uncalibrated *
4.604	31.92748	VV	0.01	41	3.853e-5	*	uncalibrated *
4.639	6.75476	VV	0.01	42	8.151e-6	*	uncalibrated *
4.713	113.32743	VV	0.03	43	0.00014	*	uncalibrated *
4.795	152.59979	VV	0.02	44	0.00018	*	uncalibrated *
4.842	11.27042	VV	0.01	45	1.360e-5	*	uncalibrated *
4.882	6.45035	VP	0.01	46	7.784e-6	*	uncalibrated *
4.918	3.46882	VV	0.01	47	4.186e-6	*	uncalibrated *
4.968	165.46259	VV	0.02	48	0.00020	*	uncalibrated *
5.021	72.43749	VV	0.02	49	8.741e-5	*	uncalibrated *
5.061	334.70651	VV	0.03	50	0.00040	*	uncalibrated *
5.146	142.19402	VV	0.03	51	0.00017	*	uncalibrated *
5.212	52.30650	VV	0.02	52	6.312e-5	*	uncalibrated *
5.250	130.25900	VV	0.03	53	0.00016	*	uncalibrated *
5.316	256.24408	VV	0.03	54	0.00031	*	uncalibrated *
5.425	451.21609	VV	0.04	55	0.00054	*	uncalibrated *
5.524	385.61792	VV	0.06	56	0.00047	*	uncalibrated *
5.622	208.40955	VV	0.03	57	0.00025	*	uncalibrated *
5.698	413.45432	VV	0.05	58	0.00050	*	uncalibrated *
5.805	462.49701	VV	0.05	59	0.00056	*	uncalibrated *
5.908	695.30420	VV	0.06	60	0.00084	*	uncalibrated *
6.006	875.17664	VV	0.07	61	0.00106	*	uncalibrated *
6.238	1797.29895	VV	0.05	62	0.00217	*	uncalibrated *
6.294	1058.66785	VV	0.06	63	0.00128	*	uncalibrated *
6.445	1165.57825	VV	0.08	64	0.00141	*	uncalibrated *
6.668	609.46021	VV	0.04	65	0.00074	*	uncalibrated *
6.868	4969.20752	VV	0.08	66	0.00600	*	uncalibrated *
6.961	5117.47705	VV	0.05	67	0.00618	*	uncalibrated *
7.079	2411.04907	VV	0.06	68	0.00291	*	uncalibrated *
7.126	260.54031	VV	0.01	69	0.00031	*	uncalibrated *
7.426	972.98511	VV	0.02	70	0.00117	*	uncalibrated *
7.475	2247.43066	VV	0.05	71	0.00271	*	uncalibrated *
7.606	3434.13672	VV	0.05	72	0.00414	*	uncalibrated *
7.636	918.15326	VV	0.02	73	0.00111	*	uncalibrated *
7.727	2966.93262	VV	0.06	74	0.00358	*	uncalibrated *
7.821	2283.86182	VV	0.05	75	0.00276	*	uncalibrated *
7.929	1578.10645	VV	0.05	76	0.00190	*	uncalibrated *
7.967	945.84998	VV	0.02	77	0.00114	*	uncalibrated *
8.071	732.09021	VV	0.03	78	0.00088	*	uncalibrated *
8.149	1532.54285	VV	0.04	79	0.00185	*	uncalibrated *
8.180	834.33002	VV	0.03	80	0.00101	*	uncalibrated *
8.229	1241.83228	VV	0.05	81	0.00150	*	uncalibrated *
8.303	1372.23218	VV	0.05	82	0.00166	*	uncalibrated *

8.422	1138.35730	VV	0.04	83	0.00137	* uncalibrated *
8.515	1304.50903	VV	0.04	84	0.00157	* uncalibrated *
8.537	511.90140	VV	0.02	85	0.00062	* uncalibrated *
8.574	871.84845	VV	0.02	86	0.00105	* uncalibrated *
8.618	1464.96936	VV	0.03	87	0.00177	* uncalibrated *
8.655	1128.89771	VV	0.03	88	0.00136	* uncalibrated *
8.716	906.94513	VV	0.03	89	0.00109	* uncalibrated *
8.762	931.12726	VV	0.03	90	0.00112	* uncalibrated *
8.794	707.03741	VV	0.03	91	0.00085	* uncalibrated *
8.869	804.95380	VV	0.04	92	0.00097	* uncalibrated *
8.900	923.16956	VV	0.04	93	0.00111	* uncalibrated *
9.004	1289.50720	VV	0.05	94	0.00156	* uncalibrated *
9.215	615.83856	VV	0.03	95	0.00074	* uncalibrated *
9.256	555.23804	VV	0.03	96	0.00067	* uncalibrated *
9.318	809.17413	VV	0.05	97	0.00098	* uncalibrated *
9.376	466.16360	VV	0.03	98	0.00056	* uncalibrated *
9.413	283.37344	VV	0.02	99	0.00034	* uncalibrated *
9.435	346.37473	VV	0.02	100	0.00042	* uncalibrated *
9.654	260.34824	VV	0.02	101	0.00031	* uncalibrated *
9.705	1700.35632	VV	0.09	102	0.00205	* uncalibrated *
9.876	272.78146	VV	0.03	103	0.00033	* uncalibrated *
9.958	697.41553	VV	0.07	104	0.00084	* uncalibrated *
10.033	274.74167	VV	0.03	105	0.00033	* uncalibrated *
10.118	528.87579	VV	0.05	106	0.00064	* uncalibrated *
10.162	545.17389	VV	0.04	107	0.00066	* uncalibrated *
10.247	1115.87109	VV	0.07	108	0.00135	* uncalibrated *
10.513	315.94394	VV	0.08	109	0.00038	* uncalibrated *
10.752	113.22981	VV	0.03	110	0.00014	* uncalibrated *
10.793	115.98500	VV	0.03	111	0.00014	* uncalibrated *
10.854	160.53647	VB	0.08	112	0.00019	* uncalibrated *
16.156	500.10797	BB	0.05	113	0.00060	* uncalibrated *

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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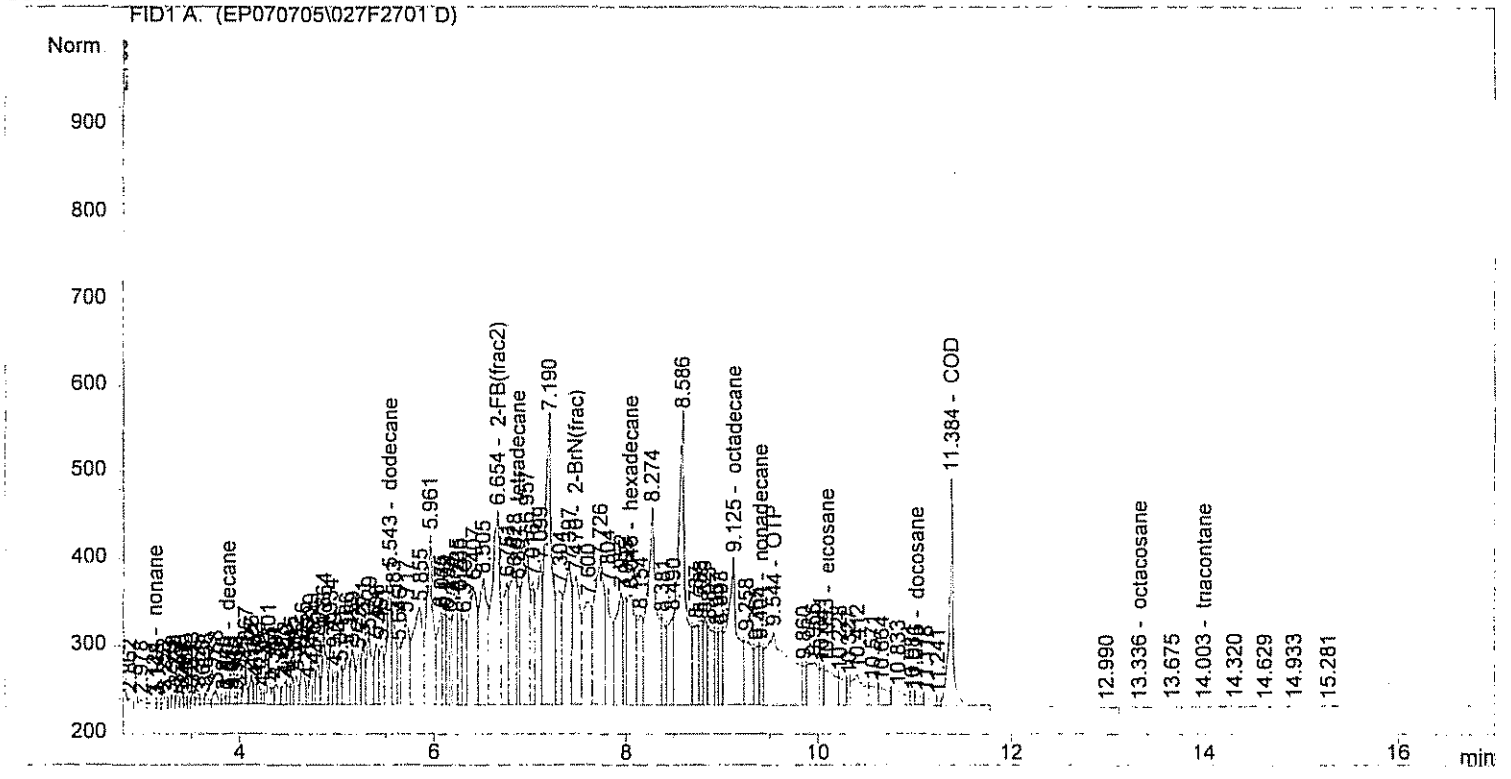
==========================================================================
Injection Date  : 7/7/2005 9:07:32 PM          Seq. Line :  27
Sample Name     : 137806 x4 K                   Location : Vial 27
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          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 2:35:13 PM by DCS
                  (modified after loading)
```

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/8/2005 2:36:09 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	3.124	VV	0.0313	7.66289	9.193e-6	nonane
2	3.879	VV	0.0287	20.27086	2.432e-5	decane
3	5.543	VV	0.0444	475.67630	0.00057	dodecane
4	6.654	VV	0.0716	1266.70740	0.00152	2-FB(frac2)
5	6.861	VV	0.0319	290.92966	0.00035	tetradecane
6	7.470	VV	0.0746	825.52997	0.00099	2-BrN(frac)
7	8.046	VV	0.0783	736.75702	0.00088	hexadecane
8	9.125	VV	0.0943	1266.27625	0.00152	octadecane
9	9.404	VV	0.0320	167.46964	0.00020	nonadecane
10	9.544	VV	0.2120	1457.69080	0.00175	OTP
11	10.093	VV	0.1009	335.56601	0.00040	eicosane
12	11.016	VV	0.0614	51.66346	6.198e-5	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.384	VB	0.0389	734.36304	0.00088	COD
14	11.888		0.0000	0.00000	0.00000	tetracosane
15	12.658		0.0000	0.00000	0.00000	hexacosane
16	13.336	VP	0.0421	5.76248	6.913e-6	octacosane
17	14.003	PP	0.0500	7.00760	8.407e-6	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 7649.33336 9.177e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.562	PV	0.0186	7.96411	9.555e-6	?
2	0.592	VV	0.0139	14.35410	1.722e-5	?
3	1.785	VV S	1.0112	8.23468e7	98.79326	?
4	1.881	VV S	0.0178	8.24824e5	0.98956	?
5	1.962	VV S	0.0310	1.05152e4	0.01262	?
6	1.993	VV S	0.0232	6596.16406	0.00791	?
7	2.024	VV S	0.0291	8572.21777	0.01028	?
8	2.065	VV S	0.0328	9992.13184	0.01199	?
9	2.096	VV S	0.0328	8978.30566	0.01077	?
10	2.139	VV S	0.0326	8067.59961	0.00968	?
11	2.179	VV S	0.0329	9792.12305	0.01175	?
12	2.223	VV S	0.0243	6873.36816	0.00825	?
13	2.253	VV S	0.0374	7941.14844	0.00953	?
14	2.301	VV S	0.0364	9744.19043	0.01169	?
15	2.356	VV S	0.0421	9493.73437	0.01139	?
16	2.422	VV S	0.0636	1.20182e4	0.01442	?
17	2.485	VV S	0.0414	8718.20898	0.01046	?
18	2.535	VV S	0.0311	5792.86768	0.00695	?
19	2.568	VV S	0.0901	1.66058e4	0.01992	?
20	2.696	VV S	0.0190	1558.30115	0.00187	?
21	2.730	VV S	0.0338	2163.42822	0.00260	?
22	2.769	VBAS	0.0410	2131.46265	0.00256	?
23	2.862	BP	0.0151	3.97701	4.771e-6	?
24	2.978	VP	0.0278	7.53046	9.034e-6	?
25	3.148	VP	0.0220	2.23466	2.681e-6	?
26	3.222	VV	0.0235	12.14384	1.457e-5	?
27	3.279	VV	0.0182	5.75701	6.907e-6	?
28	3.310	VV	0.0202	14.79248	1.775e-5	?
29	3.351	VV	0.0204	20.05829	2.406e-5	?
30	3.405	VV	0.0210	17.40014	2.088e-5	?
31	3.436	VV	0.0236	6.36552	7.637e-6	?
32	3.471	VV	0.0201	4.75970	5.710e-6	?
33	3.513	VV	0.0227	21.84859	2.621e-5	?
34	3.575	VV	0.0274	23.30212	2.796e-5	?
35	3.625	VV	0.0316	13.23358	1.588e-5	?
36	3.656	VV	0.0324	31.82686	3.818e-5	?
37	3.758	VV	0.0399	51.14150	6.136e-5	?
38	3.840	VV	0.0307	18.48151	2.217e-5	?
39	3.916	VV	0.0403	24.79542	2.975e-5	?
40	3.962	VV	0.0186	11.37906	1.365e-5	?
41	3.994	VV	0.0336	28.98006	3.477e-5	?
42	4.067	VV	0.0284	90.10043	0.00011	?
43	4.126	VV	0.0289	71.01663	8.520e-5	?
44	4.162	VV	0.0245	41.89507	5.026e-5	?
45	4.193	VV	0.0285	53.85571	6.461e-5	?
46	4.236	VV	0.0219	20.75829	2.490e-5	?
47	4.301	VV	0.0288	100.13470	0.00012	?
48	4.344	VV	0.0195	25.53541	3.064e-5	?
49	4.381	VV	0.0502	80.31968	9.636e-5	?
50	4.472	VV	0.0381	78.26118	9.389e-5	?
51	4.500	VV	0.0323	48.36159	5.802e-5	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
52	4.545	VV	0.0231	53.45073	6.413e-5	?
53	4.582	VV	0.0406	91.41007	0.00011	?
54	4.656	VV	0.0390	143.68810	0.00017	?
55	4.704	VV	0.0185	31.20778	3.744e-5	?
56	4.739	VV	0.0239	96.42325	0.00012	?
57	4.765	VV	0.0210	57.56934	6.907e-5	?
58	4.809	VV	0.0336	120.29847	0.00014	?
59	4.864	VV	0.0382	235.49872	0.00028	?
60	4.934	VV	0.0258	135.76688	0.00016	?
61	4.979	VV	0.0351	89.19373	0.00011	?
62	5.041	VV	0.0391	114.15520	0.00014	?
63	5.106	VV	0.0486	219.25760	0.00026	?
64	5.159	VV	0.0470	190.61630	0.00023	?
65	5.228	VV	0.0389	148.51598	0.00018	?
66	5.271	VV	0.0332	170.18216	0.00020	?
67	5.329	VV	0.0519	294.15430	0.00035	?
68	5.408	VV	0.0404	203.02228	0.00024	?
69	5.461	VV	0.0408	186.38643	0.00022	?
70	5.583	VV	0.0460	306.71350	0.00037	?
71	5.646	VV	0.0276	121.21140	0.00015	?
72	5.717	VV	0.0628	480.99893	0.00058	?
73	5.855	VV	0.0879	754.76208	0.00091	?
74	5.961	VV	0.0610	891.26379	0.00107	?
75	6.075	VV	0.0454	352.28851	0.00042	?
76	6.102	VV	0.0293	241.82939	0.00029	?
77	6.138	VV	0.0266	206.04095	0.00025	?
78	6.172	VV	0.0197	132.72319	0.00016	?
79	6.235	VV	0.0473	422.86465	0.00051	?
80	6.265	VV	0.0346	311.52512	0.00037	?
81	6.313	VV	0.0393	289.35968	0.00035	?
82	6.407	VV	0.0719	788.46814	0.00095	?
83	6.505	VV	0.0722	774.04028	0.00093	?
84	6.751	VV	0.0507	567.18646	0.00068	?
85	6.828	VV	0.0593	690.50159	0.00083	?
86	6.957	VV	0.0647	1007.43860	0.00121	?
87	7.016	VV	0.0430	406.67230	0.00049	?
88	7.099	VV	0.0488	609.95471	0.00073	?
89	7.190	VV	0.0668	1751.45850	0.00210	?
90	7.304	VV	0.0518	524.14557	0.00063	?
91	7.397	VV	0.0671	852.57233	0.00102	?
92	7.600	VV	0.0778	730.86700	0.00088	?
93	7.726	VV	0.0858	1157.25098	0.00139	?
94	7.804	VV	0.0561	594.97864	0.00071	?
95	7.952	VV	0.0641	635.60107	0.00076	?
96	7.995	VV	0.0275	246.96313	0.00030	?
97	8.154	VV	0.0531	412.33044	0.00049	?
98	8.274	VV	0.0860	1507.34839	0.00181	?
99	8.381	VV	0.0374	291.86197	0.00035	?
100	8.490	VV	0.0503	406.59433	0.00049	?
101	8.586	VV	0.0693	1839.69946	0.00221	?
102	8.737	VV	0.0529	371.68692	0.00045	?
103	8.788	VV	0.0341	267.97906	0.00032	?
104	8.829	VV	0.0310	234.12331	0.00028	?
105	8.873	VV	0.0559	399.52527	0.00048	?
106	8.957	VV	0.0281	178.50691	0.00021	?
107	8.993	VV	0.0396	237.32100	0.00028	?
108	9.258	VV	0.0719	427.52600	0.00051	?
109	9.365	VV	0.0447	214.52808	0.00026	?
110	9.860	VV	0.0366	118.86895	0.00014	?
111	9.956	VV	0.0893	359.98160	0.00043	?
112	10.041	VV	0.0363	114.51373	0.00014	?
113	10.228	VV	0.0700	134.05055	0.00016	?
114	10.327	VV	0.0294	62.97395	7.555e-5	?
115	10.412	VV	0.1125	302.42776	0.00036	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
116	10.571	VV	0.0711	127.10190	0.00015	?
117	10.664	VV	0.0833	132.44447	0.00016	?
118	10.833	VV	0.1264	156.18346	0.00019	?
119	10.981	VV	0.0340	28.20823	3.384e-5	?
120	11.118	VV	0.0807	55.80455	6.695e-5	?
121	11.241	VV	0.0308	14.32549	1.719e-5	?
122	12.990	BP	0.0476	5.06329	6.075e-6	?
123	13.675	BB	0.0462	7.26146	8.712e-6	?
124	14.320	VV	0.0540	7.88741	9.463e-6	?
125	14.629	VV	0.0600	8.59315	1.031e-5	?
126	14.933	VV	0.0478	7.05776	8.467e-6	?
127	15.281	VP	0.0553	3.91571	4.698e-6	?

Uncalib. totals : 8.33450e7 99.9908

Results obtained with enhanced integrator!
2 Warnings or Errors :

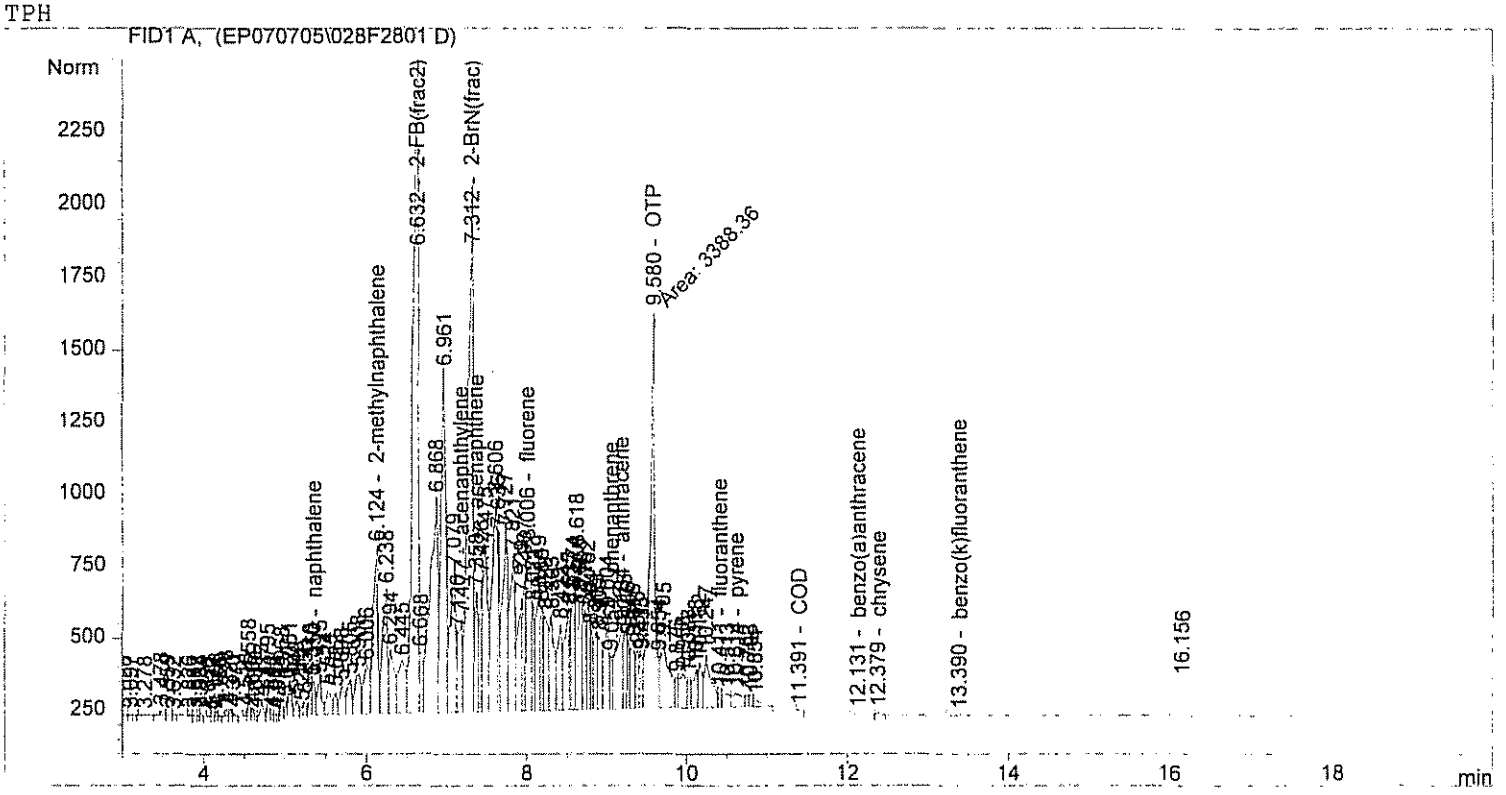
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

```
==========================================================================
Injection Date  : 7/7/2005 9:35:30 PM          Seq. Line :  28
Sample Name     : 137806 x1 R                   Location : Vial 28
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 2:42:04 PM by DCS
                  (modified after loading)
```

TPH



==========
Area Percent Report
==========

```
Sorted By              :      Signal
Calib. Data Modified   :      7/8/2005 2:42:10 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	5.350	VV	0.0373	283.76807	0.00034	naphthalene
2	6.124	VV	0.0514	2296.97461	0.00277	2-methylnaphthalene
3	6.632	VV	0.0608	1.00276e4	0.01210	2-FB(frac2)
4	7.177	VV	0.0450	1109.14575	0.00134	acenaphthylene
5	7.312	VV	0.0544	7659.28027	0.00924	2-BrN(frac)
6	7.358	VV	0.0435	1371.89526	0.00166	acenaphthene
7	8.006	VV	0.0542	2413.16919	0.00291	fluorene
8	9.054	VV	0.0280	389.49512	0.00047	phenanthrene
9	9.184	VV	0.0779	1736.32849	0.00210	anthracene
10	9.580	MM	0.0471	3388.35962	0.00409	OTP
11	10.411	VV	0.0321	134.95891	0.00016	fluoranthene
12	10.614	VV	0.1016	415.50357	0.00050	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.391	PB	0.0241	2.95888	3.571e-6	COD
14	12.131	PB	0.0933	28.55429	3.446e-5	benzo(a)anthracene
15	12.379	BB	0.0370	20.05217	2.420e-5	chrysene
16	13.305		0.0000	0.00000	0.00000	benzo(b)fluoranthene
17	13.390	BB	0.0737	13.92282	1.680e-5	benzo(k)fluoranthene
18	13.614		0.0000	0.00000	0.00000	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 : 3.12919e4 3.776e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.556	PV	0.0245	132.12315	0.00016	?
2	0.593	VV	0.0212	64.99896	7.844e-5	?
3	0.705	VV S	0.0397	1.04616e6	1.26242	?
4	1.845	VV S	0.9934	8.06783e7	97.35598	?
5	1.894	VV S	0.0193	9.06901e5	1.09437	?
6	1.995	VV S	0.0363	1.32078e4	0.01594	?
7	2.046	VV S	0.0692	1.92078e4	0.02318	?
8	2.127	VV S	0.0365	1.08225e4	0.01306	?
9	2.161	VV S	0.0321	9643.65918	0.01164	?
10	2.221	VV S	0.0497	1.15181e4	0.01390	?
11	2.264	VV S	0.0331	7378.04932	0.00890	?
12	2.306	VV S	0.0302	8340.46191	0.01006	?
13	2.345	VV S	0.0394	8642.18359	0.01043	?
14	2.433	VV S	0.0595	1.23919e4	0.01495	?
15	2.472	VV S	0.0373	7613.04443	0.00919	?
16	2.527	VV S	0.0430	8011.64551	0.00967	?
17	2.605	VV S	0.1017	1.86136e4	0.02246	?
18	2.720	VV S	0.0489	3541.94971	0.00427	?
19	2.774	VB S	0.0299	1981.81079	0.00239	?
20	2.810	BV T	0.0174	67.69997	8.169e-5	?
21	2.854	VV T	0.0391	39.73531	4.795e-5	?
22	3.028	VV T	0.0866	29.95160	3.614e-5	?
23	3.097	VB T	0.0298	6.54720	7.901e-6	?
24	3.278	PP	0.0470	5.41248	6.531e-6	?
25	3.478	BV	0.0195	24.23988	2.925e-5	?
26	3.559	VV	0.0303	20.45314	2.468e-5	?
27	3.632	VB	0.0243	3.69160	4.455e-6	?
28	3.826	BV	0.0212	10.10048	1.219e-5	?
29	3.887	VV	0.0240	9.69326	1.170e-5	?
30	3.938	VV	0.0170	8.17887	9.870e-6	?
31	3.964	VB	0.0174	11.42462	1.379e-5	?
32	4.056	PP	0.0206	2.53294	3.057e-6	?
33	4.122	BV	0.0193	1.98873	2.400e-6	?
34	4.158	VV	0.0171	18.69242	2.256e-5	?
35	4.188	VB	0.0178	7.43168	8.968e-6	?
36	4.278	PV	0.0194	31.87851	3.847e-5	?
37	4.327	VV	0.0203	33.20438	4.007e-5	?
38	4.370	VB	0.0228	16.58652	2.002e-5	?
39	4.518	BV	0.0179	18.97627	2.290e-5	?
40	4.558	VV	0.0194	166.23212	0.00020	?
41	4.604	VV	0.0191	31.92748	3.853e-5	?
42	4.639	VV	0.0171	6.75476	8.151e-6	?
43	4.713	VV	0.0366	113.32743	0.00014	?
44	4.795	VV	0.0204	152.59979	0.00018	?
45	4.842	VV	0.0189	11.27042	1.360e-5	?
46	4.882	VP	0.0177	6.45035	7.784e-6	?
47	4.918	VV	0.0159	3.46882	4.186e-6	?
48	4.968	VV	0.0242	165.46259	0.00020	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
49	5.021	VV	0.0242	72.43749	8.741e-5	?
50	5.061	VV	0.0371	334.70651	0.00040	?
51	5.146	VV	0.0381	142.19402	0.00017	?
52	5.212	VV	0.0280	52.30650	6.312e-5	?
53	5.250	VV	0.0354	130.25900	0.00016	?
54	5.316	VV	0.0331	256.24408	0.00031	?
55	5.425	VV	0.0489	451.21609	0.00054	?
56	5.524	VV	0.0603	385.61792	0.00047	?
57	5.622	VV	0.0369	208.40955	0.00025	?
58	5.698	VV	0.0594	413.45432	0.00050	?
59	5.805	VV	0.0519	462.49701	0.00056	?
60	5.908	VV	0.0642	695.30420	0.00084	?
61	6.006	VV	0.0702	875.17664	0.00106	?
62	6.238	VV	0.0545	1797.29895	0.00217	?
63	6.294	VV	0.0635	1058.66785	0.00128	?
64	6.445	VV	0.0808	1165.57825	0.00141	?
65	6.668	VV	0.0420	609.46021	0.00074	?
66	6.868	VV	0.0827	4969.20752	0.00600	?
67	6.961	VV	0.0554	5117.47705	0.00618	?
68	7.079	VV	0.0626	2411.04907	0.00291	?
69	7.126	VV	0.0140	260.54031	0.00031	?
70	7.426	VV	0.0285	972.98511	0.00117	?
71	7.475	VV	0.0515	2247.43066	0.00271	?
72	7.606	VV	0.0583	3434.13672	0.00414	?
73	7.636	VV	0.0213	918.15326	0.00111	?
74	7.727	VV	0.0622	2966.93262	0.00358	?
75	7.821	VV	0.0593	2283.86182	0.00276	?
76	7.929	VV	0.0523	1578.10645	0.00190	?
77	7.967	VV	0.0289	945.84998	0.00114	?
78	8.071	VV	0.0306	732.09021	0.00088	?
79	8.149	VV	0.0491	1532.54285	0.00185	?
80	8.180	VV	0.0352	834.33002	0.00101	?
81	8.229	VV	0.0500	1241.83228	0.00150	?
82	8.303	VV	0.0543	1372.23218	0.00166	?
83	8.422	VV	0.0499	1138.35730	0.00137	?
84	8.515	VV	0.0490	1304.50903	0.00157	?
85	8.537	VV	0.0212	511.90140	0.00062	?
86	8.574	VV	0.0294	871.84845	0.00105	?
87	8.618	VV	0.0382	1464.96936	0.00177	?
88	8.655	VV	0.0367	1128.89771	0.00136	?
89	8.716	VV	0.0347	906.94513	0.00109	?
90	8.762	VV	0.0344	931.12726	0.00112	?
91	8.794	VV	0.0340	707.03741	0.00085	?
92	8.869	VV	0.0404	804.95380	0.00097	?
93	8.900	VV	0.0446	923.16956	0.00111	?
94	9.004	VV	0.0515	1289.50720	0.00156	?
95	9.215	VV	0.0300	615.83856	0.00074	?
96	9.256	VV	0.0389	555.23804	0.00067	?
97	9.318	VV	0.0502	809.17413	0.00098	?
98	9.376	VV	0.0327	466.16360	0.00056	?
99	9.413	VV	0.0210	283.37344	0.00034	?
100	9.435	VV	0.0259	346.37473	0.00042	?
101	9.654	VV	0.0217	260.34824	0.00031	?
102	9.705	VV	0.0930	1700.35632	0.00205	?
103	9.876	VV	0.0339	272.78146	0.00033	?
104	9.958	VV	0.0747	697.41553	0.00084	?
105	10.033	VV	0.0360	274.74167	0.00033	?
106	10.118	VV	0.0509	528.87579	0.00064	?
107	10.162	VV	0.0485	545.17389	0.00066	?
108	10.247	VV	0.0786	1115.87109	0.00135	?
109	10.513	VV	0.0810	315.94394	0.00038	?
110	10.752	VV	0.0383	113.22981	0.00014	?
111	10.793	VV	0.0375	115.98500	0.00014	?
112	10.854	VB	0.0810	160.53647	0.00019	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
113	16.156	BB	0.0597	500.10797	0.00060	?

Uncalib. totals : 8.28381e7 99.9622

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

ata File Name : C:\HPCHEM\1\DATA\EP070605\037F3701.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-14G x1 T
un Time Bar Code: 138086
cquired on : 7 Jul 05 2:47:06 AM
eport Created on: 7 Jul 2005 9:37:52 AM
ast Recalib on : 8 Jun 2005 10:16:23 AM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 37
Injection Number : 1
Sequence Line : 37
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070605\037F3701.D

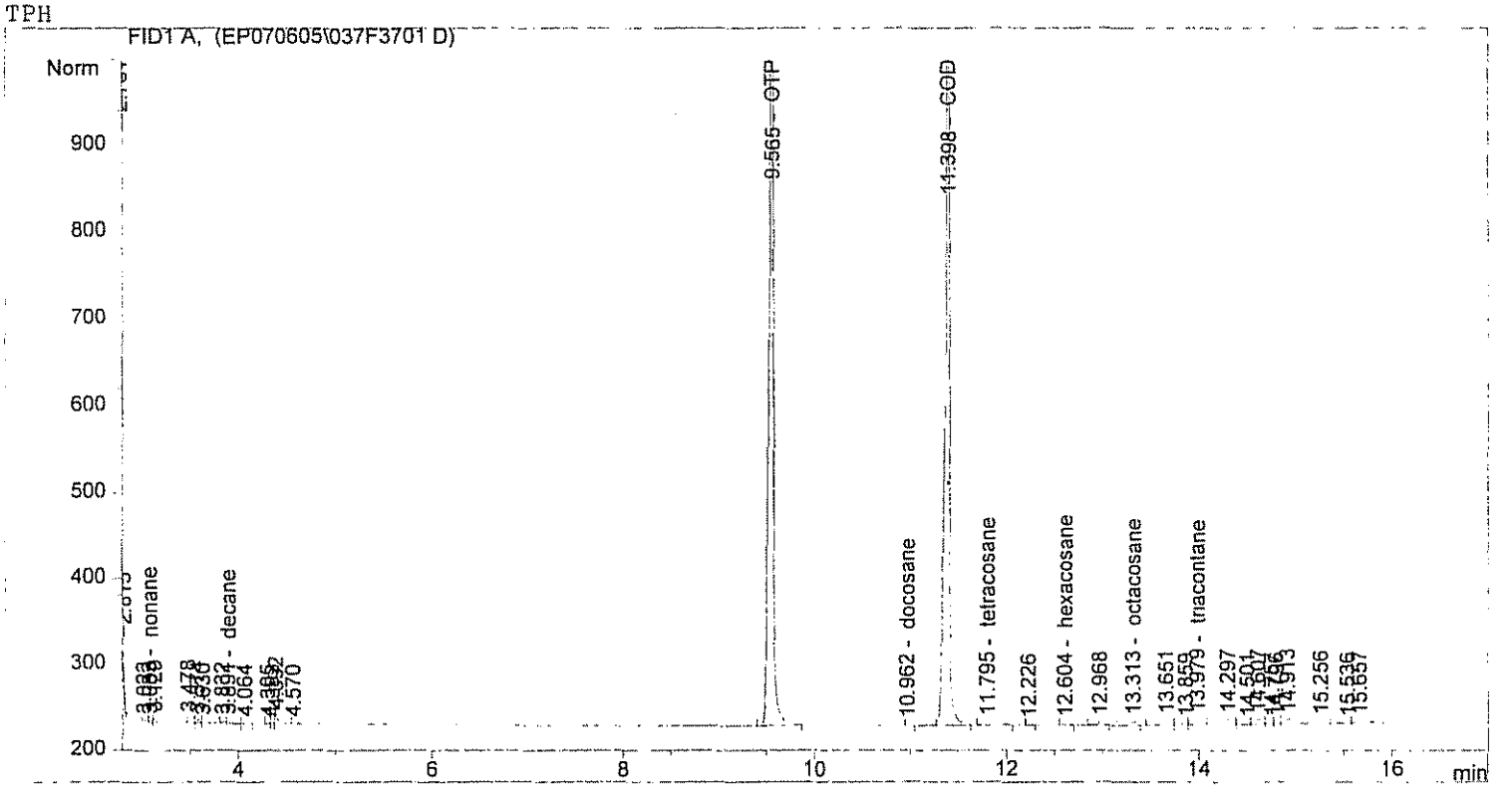
et Time	Area	Type	Width	Ref#	ng	Name
3.083	1.46306	VP	0.01	1	1.778e-6	nonane
3.891	7.33287	VB	0.04	2	8.909e-6	decane
5.541	0.00000	XX	0.00	3	0.00000	dodecane
6.610	0.00000	XX	0.00	4	0.00000	2-FB(frac2)
6.898	0.00000	XX	0.00	5	0.00000	tetradecane
7.485	0.00000	XX	0.00	6	0.00000	2-BrN(frac)
8.095	0.00000	XX	0.00	7	0.00000	hexadecane
9.172	0.00000	XX	0.00	8	0.00000	octadecane
9.565	3193.20557	BB	0.03	9	0.00388	OTP
9.605	0.00000	XX	0.00	10	0.00000	nonadecane
10.154	0.00000	XX	0.00	11	0.00000	eicosane
10.962	2.41303	VB	0.02	12	2.932e-6	docosane
11.398	2938.38501	BV	0.03	13	0.00357	COD
11.795	31.11024	VB	0.10	14	3.780e-5	tetracosane
12.604	6.20537	VB	0.04	15	7.539e-6	hexacosane
13.313	19.38667	PV	0.05	16	2.355e-5	octacosane
13.979	30.16869	VV	0.06	17	3.665e-5	triacontane
16.215	0.00000	XX	0.00	18	0.00000	hexatriacontane
0.562	217.82835	VV	8.58e	1	0.00026	* uncalibrated *
0.593	2043.03247	VVS	0.01	2	0.00248	* uncalibrated *
1.805	8.13093e7	VVS	0.70	3	98.78994	* uncalibrated *
1.881	8.21429e5	VVS	0.01	4	0.99803	* uncalibrated *
1.928	1.46250e4	VVS	0.03	5	0.01777	* uncalibrated *
1.979	1.09923e4	VVS	0.03	6	0.01336	* uncalibrated *
2.012	1.07812e4	VVS	0.03	7	0.01310	* uncalibrated *
2.055	9589.74023	VVS	0.02	8	0.01165	* uncalibrated *
2.107	1.48611e4	VVS	0.04	9	0.01806	* uncalibrated *
2.166	1.56670e4	VVS	0.05	10	0.01904	* uncalibrated *
2.239	1.10632e4	VVS	0.03	11	0.01344	* uncalibrated *
2.278	1.01860e4	VVS	0.04	12	0.01238	* uncalibrated *
2.324	9538.65234	VVS	0.04	13	0.01159	* uncalibrated *
2.378	7062.11230	VVS	0.03	14	0.00858	* uncalibrated *
2.413	8840.96289	VVS	0.04	15	0.01074	* uncalibrated *
2.474	6533.39111	VVS	0.02	16	0.00794	* uncalibrated *
2.498	4259.29443	VVS	0.02	17	0.00518	* uncalibrated *
2.527	5673.87793	VVS	0.02	18	0.00689	* uncalibrated *
2.593	1.12324e4	VVS	0.05	19	0.01365	* uncalibrated *
2.628	4428.58008	VVS	0.02	20	0.00538	* uncalibrated *
2.671	6382.11572	VVS	0.05	21	0.00775	* uncalibrated *
2.738	3033.08716	VVS	0.03	22	0.00369	* uncalibrated *
2.781	944.17194	VBAS	0.01	23	0.00115	* uncalibrated *
2.815	22.13863	BP	6.91e	24	2.690e-5	* uncalibrated *
3.023	1.70451	VV	0.01	25	2.071e-6	* uncalibrated *

3.129	4.20108	VP	0.01	26	5.104e-6	* uncalibrated *
3.478	10.71136	PV	0.02	27	1.301e-5	* uncalibrated *
3.574	9.79192	VV	0.03	28	1.190e-5	* uncalibrated *
3.630	4.52322	VV	0.03	29	5.496e-6	* uncalibrated *
3.832	5.48721	BV	0.02	30	6.667e-6	* uncalibrated *
4.064	4.69812	BV	0.03	31	5.708e-6	* uncalibrated *
4.305	1.90748	BV	0.02	32	2.318e-6	* uncalibrated *
4.353	2.32707	VV	0.03	33	2.827e-6	* uncalibrated *
4.392	20.42193	VV	0.02	34	2.481e-5	* uncalibrated *
4.570	3.27352	VV	0.03	35	3.977e-6	* uncalibrated *
12.226	3.36358	BB	0.03	36	4.087e-6	* uncalibrated *
12.968	12.39601	BB	0.04	37	1.506e-5	* uncalibrated *
13.651	30.92026	VV	0.06	38	3.757e-5	* uncalibrated *
13.859	10.08894	VV	0.07	39	1.226e-5	* uncalibrated *
14.297	40.49828	VV	0.07	40	4.921e-5	* uncalibrated *
14.501	13.65078	VV	0.09	41	1.659e-5	* uncalibrated *
14.607	25.01562	VV	0.05	42	3.039e-5	* uncalibrated *
14.757	7.82075	VV	0.06	43	9.502e-6	* uncalibrated *
14.796	6.86098	VV	0.04	44	8.336e-6	* uncalibrated *
14.913	24.99264	VV	0.05	45	3.037e-5	* uncalibrated *
15.256	33.85497	VV	0.10	46	4.113e-5	* uncalibrated *
15.536	13.69953	VV	0.14	47	1.664e-5	* uncalibrated *
15.657	17.93072	VV	0.08	48	2.179e-5	* uncalibrated *

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

```
==========================================================================
Injection Date  : 7/7/2005 2:47:06 AM          Seq. Line :  37
Sample Name     : 138086 x1 T                   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    : 6/8/2005 10:16:35 AM by CLP
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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	3.083	VP	0.0157	1.46306	1.778e-6	nonane
2	3.891	VB	0.0452	7.33287	8.909e-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	9.565	BB	0.0369	3193.20557	0.00388	OTP
10	9.605		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	10.962	VB	0.0291	2.41303	2.932e-6	docosane
13	11.398	BV	0.0331	2938.38501	0.00357	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.795	VB	0.1088	31.11024	3.780e-5	tetracosane
15	12.604	VB	0.0404	6.20537	7.539e-6	hexacosane
16	13.313	PV	0.0533	19.38667	2.355e-5	octacosane
17	13.979	VV	0.0612	30.16869	3.665e-5	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 6229.67049 7.569e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.562	VV	8.58e-3	217.82835	0.00026	?
2	0.593	VV S	0.0101	2043.03247	0.00248	?
3	1.805	VV S	0.7093	8.13093e7	98.78994	?
4	1.881	VV S	0.0177	8.21429e5	0.99803	?
5	1.928	VV S	0.0386	1.46250e4	0.01777	?
6	1.979	VV S	0.0303	1.09923e4	0.01336	?
7	2.012	VV S	0.0346	1.07812e4	0.01310	?
8	2.055	VV S	0.0288	9589.74023	0.01165	?
9	2.107	VV S	0.0479	1.48611e4	0.01806	?
10	2.166	VV S	0.0554	1.56670e4	0.01904	?
11	2.239	VV S	0.0352	1.10632e4	0.01344	?
12	2.278	VV S	0.0400	1.01860e4	0.01238	?
13	2.324	VV S	0.0479	9538.65234	0.01159	?
14	2.378	VV S	0.0302	7062.11230	0.00858	?
15	2.413	VV S	0.0411	8840.96289	0.01074	?
16	2.474	VV S	0.0282	6533.39111	0.00794	?
17	2.498	VV S	0.0213	4259.29443	0.00518	?
18	2.527	VV S	0.0267	5673.87793	0.00689	?
19	2.593	VV S	0.0581	1.12324e4	0.01365	?
20	2.628	VV S	0.0257	4428.58008	0.00538	?
21	2.671	VV S	0.0546	6382.11572	0.00775	?
22	2.738	VV S	0.0387	3033.08716	0.00369	?
23	2.781	VBAS	0.0139	944.17194	0.00115	?
24	2.815	BP	6.91e-3	22.13863	2.690e-5	?
25	3.023	VV	0.0178	1.70451	2.071e-6	?
26	3.129	VP	0.0158	4.20108	5.104e-6	?
27	3.478	PV	0.0270	10.71136	1.301e-5	?
28	3.574	VV	0.0357	9.79192	1.190e-5	?
29	3.630	VV	0.0369	4.52322	5.496e-6	?
30	3.832	BV	0.0295	5.48721	6.667e-6	?
31	4.064	BV	0.0390	4.69812	5.708e-6	?
32	4.305	BV	0.0282	1.90748	2.318e-6	?
33	4.353	VV	0.0309	2.32707	2.827e-6	?
34	4.392	VV	0.0279	20.42193	2.481e-5	?
35	4.570	VV	0.0393	3.27352	3.977e-6	?
36	12.226	BB	0.0326	3.36358	4.087e-6	?
37	12.968	BB	0.0481	12.39601	1.506e-5	?
38	13.651	VV	0.0659	30.92026	3.757e-5	?
39	13.859	VV	0.0741	10.08894	1.226e-5	?
40	14.297	VV	0.0780	40.49828	4.921e-5	?
41	14.501	VV	0.0940	13.65078	1.659e-5	?
42	14.607	VV	0.0520	25.01562	3.039e-5	?
43	14.757	VV	0.0626	7.82075	9.502e-6	?
44	14.796	VV	0.0484	6.86098	8.336e-6	?
45	14.913	VV	0.0597	24.99264	3.037e-5	?
46	15.256	VV	0.1087	33.85497	4.113e-5	?
47	15.536	VV	0.1417	13.69953	1.664e-5	?
48	15.657	VV	0.0877	17.93072	2.179e-5	?

Uncalib. totals : 8.22990e7 99.9924

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

ata File Name : C:\HPCHEM\1\DATA\EP070705\037F3701.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-15G x1 K
un Time Bar Code: 138087
cquired on : 8 Jul 05 1:42:28 AM
eport Created on: 8 Jul 2005 2:39:20 PM
ast Recalib on : 8 Jul 2005 2:36:09 PM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 37
Injection Number : 1
Sequence Line : 37
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 ml
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP070705\037F3701.D

et Time	Area	Type	Width	Ref#	ng	Name
3.087	8.35949	VV	0.02	1	1.003e-5	nonane
3.882	41.54757	VV	0.02	2	4.987e-5	decane
5.545	549.17908	VV	0.04	3	0.00066	dodecane
6.653	1353.43066	VV	0.07	4	0.00162	2-FB(frac2)
6.956	1069.17285	VV	0.06	5	0.00128	tetradecane
7.465	777.70258	VV	0.06	6	0.00093	2-BrN(frac)
8.046	764.00360	VV	0.07	7	0.00092	hexadecane
9.182	274.22638	VV	0.04	8	0.00033	octadecane
9.407	200.39848	VV	0.03	9	0.00024	OTP
9.542	1377.85547	VV	0.18	10	0.00165	nonadecane
10.186	232.05931	VV	0.08	11	0.00028	eicosane
11.015	69.24647	VV	0.06	12	8.312e-5	docosane
11.400	3270.98730	VV	0.03	13	0.00393	COD
11.825	25.05195	VB	0.09	14	3.007e-5	tetracosane
12.588	12.71788	VP	0.03	15	1.527e-5	hexacosane
13.297	23.46441	VB	0.04	16	2.816e-5	octacosane
13.968	27.61784	VB	0.03	17	3.315e-5	triacontane
16.118	6.76871	PB	0.05	18	8.125e-6	hexatriacontane
0.563	8.62655	PV	0.02	1	1.035e-5	* uncalibrated *
0.592	9.36823	VV	0.01	2	1.124e-5	* uncalibrated *
1.864	8.21998e7	VVS	1.00	3	98.66517	* uncalibrated *
1.891	9.17198e5	VVS	0.01	4	1.10092	* uncalibrated *
1.944	1.27173e4	VVS	0.03	5	0.01526	* uncalibrated *
1.990	1.13592e4	VVS	0.03	6	0.01363	* uncalibrated *
2.029	8926.87695	VVS	0.02	7	0.01072	* uncalibrated *
2.082	1.97304e4	VVS	0.07	8	0.02368	* uncalibrated *
2.152	8488.74707	VVS	0.03	9	0.01019	* uncalibrated *
2.187	1.01684e4	VVS	0.03	10	0.01221	* uncalibrated *
2.246	1.01781e4	VVS	0.03	11	0.01222	* uncalibrated *
2.282	8769.69727	VVS	0.03	12	0.01053	* uncalibrated *
2.332	6206.67090	VVS	0.02	13	0.00745	* uncalibrated *
2.378	9270.72949	VVS	0.04	14	0.01113	* uncalibrated *
2.425	7692.55957	VVS	0.03	15	0.00923	* uncalibrated *
2.469	1.07457e4	VVS	0.04	16	0.01290	* uncalibrated *
2.545	9120.15527	VVS	0.05	17	0.01095	* uncalibrated *
2.597	5469.56006	VVS	0.02	18	0.00657	* uncalibrated *
2.624	5528.02197	VVS	0.03	19	0.00664	* uncalibrated *
2.675	3950.02930	VVS	0.04	20	0.00474	* uncalibrated *
2.721	2242.17041	VVS	0.03	21	0.00269	* uncalibrated *
2.750	2375.27686	VBAS	0.03	22	0.00285	* uncalibrated *
2.865	11.66483	BP	0.02	23	1.400e-5	* uncalibrated *
2.982	14.43540	VV	0.02	24	1.733e-5	* uncalibrated *
3.024	4.32063	VP	0.01	25	5.186e-6	* uncalibrated *

3.128	9.16224	VV	0.01	26	1.100e-5	* uncalibrated *
3.152	4.58143	VP	0.02	27	5.499e-6	* uncalibrated *
3.225	24.97396	VV	0.02	28	2.998e-5	* uncalibrated *
3.281	12.32959	VV	0.01	29	1.480e-5	* uncalibrated *
3.313	29.95303	VV	0.02	30	3.595e-5	* uncalibrated *
3.353	38.25915	VV	0.02	31	4.592e-5	* uncalibrated *
3.408	32.46664	VV	0.02	32	3.897e-5	* uncalibrated *
3.438	12.74836	VV	0.02	33	1.530e-5	* uncalibrated *
3.473	9.61633	VV	0.01	34	1.154e-5	* uncalibrated *
3.514	41.19440	VV	0.02	35	4.945e-5	* uncalibrated *
3.576	59.01635	VV	0.02	36	7.084e-5	* uncalibrated *
3.626	17.79729	VV	0.02	37	2.136e-5	* uncalibrated *
3.656	58.34567	VV	0.03	38	7.003e-5	* uncalibrated *
3.759	81.28468	VV	0.03	39	9.757e-5	* uncalibrated *
3.798	10.44985	VV	0.01	40	1.254e-5	* uncalibrated *
3.836	40.77377	VV	0.03	41	4.894e-5	* uncalibrated *
3.917	40.00662	VV	0.03	42	4.802e-5	* uncalibrated *
3.962	20.04508	VV	0.01	43	2.406e-5	* uncalibrated *
3.994	47.26204	VV	0.03	44	5.673e-5	* uncalibrated *
4.067	144.83008	VV	0.02	45	0.00017	* uncalibrated *
4.127	112.07043	VV	0.02	46	0.00013	* uncalibrated *
4.162	66.23385	VV	0.02	47	7.950e-5	* uncalibrated *
4.193	79.12008	VV	0.02	48	9.497e-5	* uncalibrated *
4.236	30.74226	VV	0.02	49	3.690e-5	* uncalibrated *
4.301	154.95638	VV	0.02	50	0.00019	* uncalibrated *
4.345	43.69530	VV	0.01	51	5.245e-5	* uncalibrated *
4.376	121.58446	VV	0.04	52	0.00015	* uncalibrated *
4.472	111.03031	VV	0.03	53	0.00013	* uncalibrated *
4.500	72.87585	VV	0.03	54	8.747e-5	* uncalibrated *
4.545	76.03220	VV	0.02	55	9.126e-5	* uncalibrated *
4.582	128.72845	VV	0.04	56	0.00015	* uncalibrated *
4.656	195.02333	VV	0.03	57	0.00023	* uncalibrated *
4.703	46.62358	VV	0.01	58	5.596e-5	* uncalibrated *
4.739	130.68005	VV	0.02	59	0.00016	* uncalibrated *
4.766	75.13953	VV	0.02	60	9.019e-5	* uncalibrated *
4.810	159.11850	VV	0.03	61	0.00019	* uncalibrated *
4.864	302.84479	VV	0.03	62	0.00036	* uncalibrated *
4.935	173.24683	VV	0.02	63	0.00021	* uncalibrated *
4.980	114.96758	VV	0.03	64	0.00014	* uncalibrated *
5.042	145.15413	VV	0.03	65	0.00017	* uncalibrated *
5.107	281.10141	VV	0.04	66	0.00034	* uncalibrated *
5.159	243.33543	VV	0.04	67	0.00029	* uncalibrated *
5.228	187.91212	VV	0.03	68	0.00023	* uncalibrated *
5.272	203.61488	VV	0.03	69	0.00024	* uncalibrated *
5.329	353.47159	VV	0.05	70	0.00042	* uncalibrated *
5.410	248.83569	VV	0.04	71	0.00030	* uncalibrated *
5.463	221.37018	VV	0.04	72	0.00027	* uncalibrated *
5.585	354.60315	VV	0.04	73	0.00043	* uncalibrated *
5.644	138.12335	VV	0.02	74	0.00017	* uncalibrated *
5.717	544.26221	VV	0.06	75	0.00065	* uncalibrated *
5.854	858.05945	VV	0.09	76	0.00103	* uncalibrated *
5.960	984.84802	VV	0.05	77	0.00118	* uncalibrated *
6.074	388.78516	VV	0.04	78	0.00047	* uncalibrated *
6.108	470.84732	VV	0.05	79	0.00057	* uncalibrated *
6.171	184.40147	VV	0.02	80	0.00022	* uncalibrated *
6.231	402.67761	VV	0.03	81	0.00048	* uncalibrated *
6.264	390.80917	VV	0.03	82	0.00047	* uncalibrated *
6.308	325.78525	VV	0.03	83	0.00039	* uncalibrated *
6.407	868.58148	VV	0.07	84	0.00104	* uncalibrated *
6.506	779.19116	VV	0.06	85	0.00094	* uncalibrated *

6.747	648.15564	VV	0.05	86	0.00078	* uncalibrated *
6.829	1019.79486	VV	0.08	87	0.00122	* uncalibrated *
7.018	499.02408	VV	0.04	88	0.00060	* uncalibrated *
7.098	598.53406	VV	0.04	89	0.00072	* uncalibrated *
7.189	1844.78906	VV	0.06	90	0.00221	* uncalibrated *
7.290	582.82220	VV	0.05	91	0.00070	* uncalibrated *
7.395	935.76025	VV	0.07	92	0.00112	* uncalibrated *
7.619	790.14709	VV	0.08	93	0.00095	* uncalibrated *
7.729	1225.04663	VV	0.09	94	0.00147	* uncalibrated *
7.803	596.66681	VV	0.05	95	0.00072	* uncalibrated *
7.951	704.39740	VV	0.06	96	0.00085	* uncalibrated *
7.994	252.34979	VV	0.02	97	0.00030	* uncalibrated *
8.154	445.40128	VV	0.05	98	0.00053	* uncalibrated *
8.275	1436.50037	VV	0.07	99	0.00172	* uncalibrated *
8.358	424.63312	VV	0.04	100	0.00051	* uncalibrated *
8.585	2399.99951	VV	0.08	101	0.00288	* uncalibrated *
8.710	186.09955	VV	0.02	102	0.00022	* uncalibrated *
8.742	138.94292	VV	0.02	103	0.00017	* uncalibrated *
8.792	313.81790	VV	0.03	104	0.00038	* uncalibrated *
8.831	299.26196	VV	0.03	105	0.00036	* uncalibrated *
8.872	208.83978	VV	0.03	106	0.00025	* uncalibrated *
8.912	212.74181	VV	0.03	107	0.00026	* uncalibrated *
8.945	185.62071	VV	0.02	108	0.00022	* uncalibrated *
8.996	238.67715	VV	0.03	109	0.00029	* uncalibrated *
9.125	1058.68335	VV	0.07	110	0.00127	* uncalibrated *
9.258	261.06677	VV	0.03	111	0.00031	* uncalibrated *
9.294	175.36707	VV	0.03	112	0.00021	* uncalibrated *
9.359	218.52309	VV	0.04	113	0.00026	* uncalibrated *
9.789	182.27014	VV	0.04	114	0.00022	* uncalibrated *
9.860	96.15207	VV	0.03	115	0.00012	* uncalibrated *
9.909	156.97881	VV	0.03	116	0.00019	* uncalibrated *
9.943	119.04881	VV	0.02	117	0.00014	* uncalibrated *
9.974	146.89818	VV	0.03	118	0.00018	* uncalibrated *
10.041	141.54163	VV	0.03	119	0.00017	* uncalibrated *
10.094	249.47484	VV	0.07	120	0.00030	* uncalibrated *
10.335	98.17317	VV	0.03	121	0.00012	* uncalibrated *
10.406	264.24121	VV	0.08	122	0.00032	* uncalibrated *
10.531	204.58180	VV	0.09	123	0.00025	* uncalibrated *
10.663	139.12688	VV	0.07	124	0.00017	* uncalibrated *
10.837	175.64206	VV	0.11	125	0.00021	* uncalibrated *
10.963	38.95424	VV	0.04	126	4.676e-5	* uncalibrated *
11.110	46.02106	VV	0.05	127	5.524e-5	* uncalibrated *
11.175	50.64734	VV	0.07	128	6.079e-5	* uncalibrated *
11.688	7.77076	VV	0.03	129	9.327e-6	* uncalibrated *
11.755	12.86888	VV	0.05	130	1.545e-5	* uncalibrated *
12.130	4.39977	BV	0.04	131	5.281e-6	* uncalibrated *
12.214	9.70108	VP	0.04	132	1.164e-5	* uncalibrated *
12.947	22.76123	VP	0.04	133	2.732e-5	* uncalibrated *
13.636	28.60006	BP	0.04	134	3.433e-5	* uncalibrated *
14.286	28.31313	VV	0.03	135	3.398e-5	* uncalibrated *
14.483	5.71278	VV	0.05	136	6.857e-6	* uncalibrated *
14.600	28.99334	VV	0.04	137	3.480e-5	* uncalibrated *
14.786	8.45892	VV	0.06	138	1.015e-5	* uncalibrated *
14.904	30.98249	VV	0.04	139	3.719e-5	* uncalibrated *
15.114	9.37619	VV	0.08	140	1.125e-5	* uncalibrated *
15.247	25.71950	VB	0.05	141	3.087e-5	* uncalibrated *
15.645	63.88867	BP	0.14	142	7.669e-5	* uncalibrated *

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

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External Standard Report

Data File Name : C:\HPCHEM\1\DATA\EP070705\038F3801.D
Operator : DCS
Instrument : GC6
Sample Name : G161-2047-15G x1 R
Run Time Bar Code: 138087
Acquired on : 8 Jul 05 2:10:04 AM
Report Created on: 8 Jul 2005 2:43:42 PM
Last Recalib on : 8 Jul 2005 2:43:38 PM
Multiplier : 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 :

Sig. 1 in C:\HPCHEM\1\DATA\EP070705\038F3801.D

Ret Time	Area	Type	Width	Ref#	ng	Name
5.325	59.10981	VV	0.02	1	0.00011	naphthalene
6.122	564.20355	VV	0.03	2	0.00100	2-methylnaphthalene
6.636	6979.33691	VV	0.03	3	0.01241	2-FB(frac2)
7.161	260.94116	VV	0.03	4	0.00046	acenaphthylene
7.314	4900.93701	VV	0.03	5	0.00872	2-BrN(frac)
7.350	309.74112	VV	0.03	6	0.00055	acenaphthene
8.027	657.84973	VV	0.06	7	0.00117	fluorene
9.008	295.55423	VV	0.04	8	0.00053	phenanthrene
9.110	103.19308	VV	0.04	9	0.00018	anthracene
9.574	2767.10693	VV	0.02	10	0.00492	OTP
10.255	262.91171	VV	0.10	11	0.00047	fluoranthene
10.684	48.93043	VV	0.07	12	8.701e-5	pyrene
11.407	8.26964	PB	0.03	13	1.471e-5	COD
12.091	0.00000	XX	0.00	14	0.00000	benzo(a)anthracene
12.384	17.36057	PB	0.03	15	3.087e-5	chrysene
13.320	13.36506	PP	0.05	16	2.377e-5	benzo(b)fluoranthene
13.349	0.00000	XX	0.00	17	0.00000	benzo(k)fluoranthene
13.915	4.45682	BB	0.03	18	7.925e-6	benzo(a)pyrene
14.346	2.89952	BP	0.03	19	5.156e-6	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
1.396	5.10513e7	BVS	0.48	1	90.78350	* uncalibrated *
1.490	9.00963e5	VVS	0.01	2	1.60216	* uncalibrated *
1.541	1.75104e5	VVS	0.02	3	0.31138	* uncalibrated *
1.577	2.43299e5	VVS	0.04	4	0.43265	* uncalibrated *
1.628	2.51479e5	VVS	0.04	5	0.44720	* uncalibrated *
1.689	2.30730e5	VVS	0.04	6	0.41030	* uncalibrated *
1.727	1.35037e5	VVS	0.02	7	0.24013	* uncalibrated *
1.757	2.00414e5	VVS	0.04	8	0.35639	* uncalibrated *
1.816	3.09234e5	VVS	0.06	9	0.54991	* uncalibrated *
1.885	1.53991e5	VVS	0.02	10	0.27384	* uncalibrated *
1.928	1.72073e5	VVS	0.03	11	0.30599	* uncalibrated *
1.976	1.90566e5	VVS	0.04	12	0.33888	* uncalibrated *
2.006	7.22493e4	VVS	0.02	13	0.12848	* uncalibrated *
2.041	1.82297e5	VVS	0.04	14	0.32417	* uncalibrated *
2.101	1.66006e5	VVS	0.03	15	0.29520	* uncalibrated *
2.142	1.00169e5	VVS	0.02	16	0.17813	* uncalibrated *
2.173	1.60801e5	VVS	0.03	17	0.28595	* uncalibrated *
2.221	2.08094e5	VVS	0.04	18	0.37005	* uncalibrated *
2.289	1.45326e5	VVS	0.03	19	0.25843	* uncalibrated *
2.325	1.25654e5	VVS	0.03	20	0.22345	* uncalibrated *
2.365	1.44721e5	VVS	0.03	21	0.25736	* uncalibrated *
2.423	1.45178e5	VVS	0.03	22	0.25817	* uncalibrated *

2.466	1.19404e5	VVS	0.02	23	0.21233	* uncalibrated *
2.500	8.30191e4	VVS	0.02	24	0.14763	* uncalibrated *
2.537	1.14382e5	VVS	0.03	25	0.20340	* uncalibrated *
2.568	1.27027e5	VVS	0.03	26	0.22589	* uncalibrated *
2.621	1.27132e5	VVS	0.03	27	0.22608	* uncalibrated *
2.670	7.64924e4	VVS	0.03	28	0.13602	* uncalibrated *
2.706	2.85380e4	VVS	0.02	29	0.05075	* uncalibrated *
2.740	3.73674e4	VVS	0.03	30	0.06645	* uncalibrated *
2.777	2.39854e4	VVS	0.02	31	0.04265	* uncalibrated *
2.812	1888.98743	VBS	0.02	32	0.00336	* uncalibrated *
2.960	3.00342	BBX	0.02	33	5.341e-6	* uncalibrated *
3.509	9.45701	BB	0.03	34	1.682e-5	* uncalibrated *
3.784	5.03675	BB	0.02	35	8.957e-6	* uncalibrated *
3.854	4.43434	BV	0.01	36	7.885e-6	* uncalibrated *
3.899	4.97740	VV	0.02	37	8.851e-6	* uncalibrated *
3.928	4.00713	VP	0.02	38	7.126e-6	* uncalibrated *
4.135	9.02291	BB	0.02	39	1.605e-5	* uncalibrated *
4.268	11.14483	PV	0.02	40	1.982e-5	* uncalibrated *
4.319	12.38918	VV	0.02	41	2.203e-5	* uncalibrated *
4.375	17.18710	VB	0.02	42	3.056e-5	* uncalibrated *
4.515	5.30882	BV	0.02	43	9.441e-6	* uncalibrated *
4.559	41.16314	VV	0.02	44	7.320e-5	* uncalibrated *
4.604	10.18378	VB	0.02	45	1.811e-5	* uncalibrated *
4.731	42.98766	BV	0.03	46	7.644e-5	* uncalibrated *
4.803	37.39747	VB	0.02	47	6.650e-5	* uncalibrated *
4.975	34.97853	PV	0.02	48	6.220e-5	* uncalibrated *
5.025	13.45118	VV	0.02	49	2.392e-5	* uncalibrated *
5.080	72.36255	VV	0.03	50	0.00013	* uncalibrated *
5.149	35.47579	VV	0.03	51	6.309e-5	* uncalibrated *
5.219	9.10038	VV	0.02	52	1.618e-5	* uncalibrated *
5.263	24.19364	VV	0.02	53	4.302e-5	* uncalibrated *
5.355	79.82503	VV	0.04	54	0.00014	* uncalibrated *
5.432	87.60361	VV	0.04	55	0.00016	* uncalibrated *
5.536	70.12826	VV	0.05	56	0.00012	* uncalibrated *
5.630	46.56002	VV	0.04	57	8.280e-5	* uncalibrated *
5.736	90.84243	VV	0.05	58	0.00016	* uncalibrated *
5.814	75.34389	VV	0.03	59	0.00013	* uncalibrated *
5.922	145.72386	VV	0.05	60	0.00026	* uncalibrated *
6.027	155.19354	VV	0.04	61	0.00028	* uncalibrated *
6.066	36.74398	VV	0.02	62	6.534e-5	* uncalibrated *
6.233	305.58411	VV	0.02	63	0.00054	* uncalibrated *
6.290	268.60297	VV	0.06	64	0.00048	* uncalibrated *
6.435	155.52379	VV	0.04	65	0.00028	* uncalibrated *
6.518	193.16319	VV	0.03	66	0.00034	* uncalibrated *
6.780	362.12790	VV	0.03	67	0.00064	* uncalibrated *
6.852	622.07172	VV	0.02	68	0.00111	* uncalibrated *
6.945	1094.75134	VV	0.04	69	0.00195	* uncalibrated *
7.067	437.20288	VV	0.03	70	0.00078	* uncalibrated *
7.414	178.70795	VV	0.02	71	0.00032	* uncalibrated *
7.467	501.95511	VV	0.04	72	0.00089	* uncalibrated *
7.533	114.10952	VV	0.02	73	0.00020	* uncalibrated *
7.593	406.82642	VV	0.03	74	0.00072	* uncalibrated *
7.622	344.70441	VV	0.02	75	0.00061	* uncalibrated *
7.669	98.55266	VV	0.02	76	0.00018	* uncalibrated *
7.715	530.77161	VV	0.04	77	0.00094	* uncalibrated *
7.816	412.01132	VV	0.04	78	0.00073	* uncalibrated *
7.921	244.00137	VV	0.04	79	0.00043	* uncalibrated *
7.955	154.73466	VV	0.02	80	0.00028	* uncalibrated *
8.143	318.03455	VV	0.04	81	0.00057	* uncalibrated *
8.184	122.55495	VV	0.02	82	0.00022	* uncalibrated *

8.227	239.46866	VV	0.04	83	0.00043	*	uncalibrated *
8.301	295.38992	VV	0.05	84	0.00053	*	uncalibrated *
8.417	187.40125	VV	0.03	85	0.00033	*	uncalibrated *
8.454	80.63973	VV	0.02	86	0.00014	*	uncalibrated *
8.503	120.36040	VV	0.02	87	0.00021	*	uncalibrated *
8.524	101.59955	VV	0.02	88	0.00018	*	uncalibrated *
8.565	137.13528	VV	0.03	89	0.00024	*	uncalibrated *
8.608	294.57065	VV	0.03	90	0.00052	*	uncalibrated *
8.664	250.14023	VV	0.04	91	0.00044	*	uncalibrated *
8.709	152.04704	VV	0.03	92	0.00027	*	uncalibrated *
8.757	368.47644	VV	0.06	93	0.00066	*	uncalibrated *
8.868	130.93138	VV	0.03	94	0.00023	*	uncalibrated *
8.905	193.78067	VV	0.05	95	0.00034	*	uncalibrated *
9.179	168.31082	VV	0.04	96	0.00030	*	uncalibrated *
9.225	243.67818	VV	0.05	97	0.00043	*	uncalibrated *
9.316	152.68076	VV	0.04	98	0.00027	*	uncalibrated *
9.379	83.04339	VV	0.03	99	0.00015	*	uncalibrated *
9.430	112.83974	VV	0.04	100	0.00020	*	uncalibrated *
9.477	91.94693	VV	0.03	101	0.00016	*	uncalibrated *
9.615	209.96602	VV	0.02	102	0.00037	*	uncalibrated *
9.697	343.97772	VV	0.09	103	0.00061	*	uncalibrated *
9.888	66.43539	VV	0.05	104	0.00012	*	uncalibrated *
9.971	94.06891	VV	0.05	105	0.00017	*	uncalibrated *
10.036	39.98867	VV	0.03	106	7.111e-5	*	uncalibrated *
10.124	75.78154	VV	0.04	107	0.00013	*	uncalibrated *
10.169	94.20959	VV	0.04	108	0.00017	*	uncalibrated *
10.771	12.02607	VV	0.03	109	2.139e-5	*	uncalibrated *
10.814	16.17395	VB	0.04	110	2.876e-5	*	uncalibrated *
16.160	516.35840	BB	0.05	111	0.00092	*	uncalibrated *

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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==========================================================================
Injection Date  : 7/8/2005 1:42:28 AM          Seq. Line :  37
Sample Name     : 138087 x1 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    : 7/8/2005 2:35:13 PM by DCS
                  (modified after loading)
```
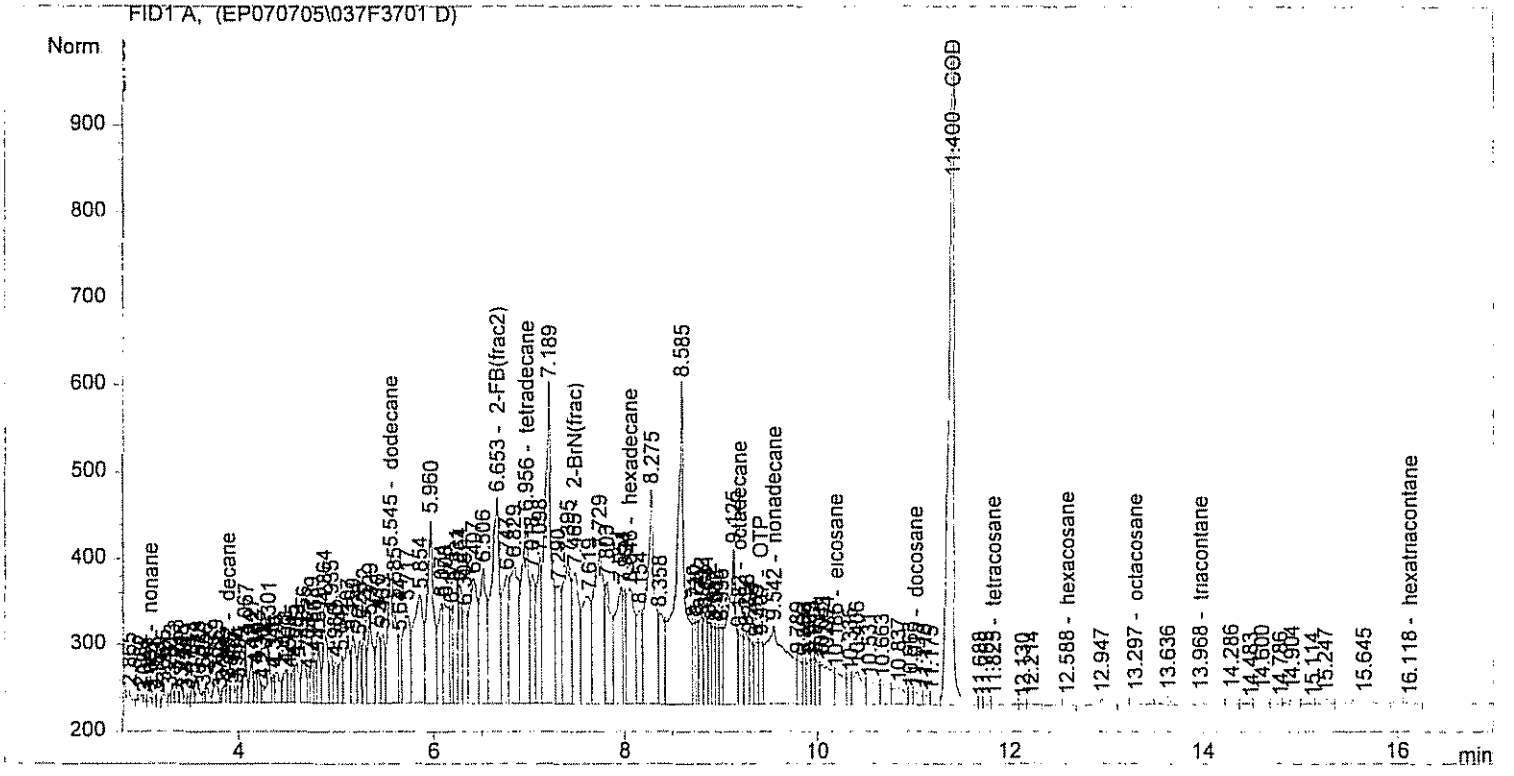

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/8/2005 2:36:09 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	3.087	VV	0.0223	8.35949	1.003e-5	nonane
2	3.882	VV	0.0284	41.54757	4.987e-5	decane
3	5.545	VV	0.0430	549.17908	0.00066	dodecane
4	6.653	VV	0.0715	1353.43066	0.00162	2-FB(frac2)
5	6.956	VV	0.0649	1069.17285	0.00128	tetradecane
6	7.465	VV	0.0643	777.70258	0.00093	2-BrN(frac)
7	8.046	VV	0.0738	764.00360	0.00092	hexadecane
8	9.182	VV	0.0433	274.22638	0.00033	octadecane
9	9.407	VV	0.0364	200.39848	0.00024	OTP
10	9.542	VV	0.1839	1377.85547	0.00165	nonadecane
11	10.186	VV	0.0831	232.05931	0.00028	eicosane
12	11.015	VV	0.0662	69.24647	8.312e-5	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.400	VV	0.0372	3270.98730	0.00393	COD
14	11.825	VB	0.0976	25.05195	3.007e-5	tetracosane
15	12.588	VP	0.0389	12.71788	1.527e-5	hexacosane
16	13.297	VB	0.0403	23.46441	2.816e-5	octacosane
17	13.968	VB	0.0388	27.61784	3.315e-5	triacontane
18	16.118	PB	0.0531	6.76871	8.125e-6	hexatriacontane

Totals : 1.00838e4 1.210e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.563	PV	0.0263	8.62655	1.035e-5	?
2	0.592	VV	0.0115	9.36823	1.124e-5	?
3	1.864	VV S	1.0048	8.21998e7	98.66517	?
4	1.891	VV S	0.0191	9.17198e5	1.10092	?
5	1.944	VV S	0.0395	1.27173e4	0.01526	?
6	1.990	VV S	0.0351	1.13592e4	0.01363	?
7	2.029	VV S	0.0295	8926.87695	0.01072	?
8	2.082	VV S	0.0735	1.97304e4	0.02368	?
9	2.152	VV S	0.0312	8488.74707	0.01019	?
10	2.187	VV S	0.0384	1.01684e4	0.01221	?
11	2.246	VV S	0.0386	1.01781e4	0.01222	?
12	2.282	VV S	0.0394	8769.69727	0.01053	?
13	2.332	VV S	0.0240	6206.67090	0.00745	?
14	2.378	VV S	0.0455	9270.72949	0.01113	?
15	2.425	VV S	0.0354	7692.55957	0.00923	?
16	2.469	VV S	0.0496	1.07457e4	0.01290	?
17	2.545	VV S	0.0530	9120.15527	0.01095	?
18	2.597	VV S	0.0278	5469.56006	0.00657	?
19	2.624	VV S	0.0354	5528.02197	0.00664	?
20	2.675	VV S	0.0429	3950.02930	0.00474	?
21	2.721	VV S	0.0303	2242.17041	0.00269	?
22	2.750	VBAS	0.0395	2375.27686	0.00285	?
23	2.865	BP	0.0203	11.66483	1.400e-5	?
24	2.982	VV	0.0225	14.43540	1.733e-5	?
25	3.024	VP	0.0191	4.32063	5.186e-6	?
26	3.128	VV	0.0193	9.16224	1.100e-5	?
27	3.152	VP	0.0215	4.58143	5.499e-6	?
28	3.225	VV	0.0235	24.97396	2.998e-5	?
29	3.281	VV	0.0182	12.32959	1.480e-5	?
30	3.313	VV	0.0202	29.95303	3.595e-5	?
31	3.353	VV	0.0213	38.25915	4.592e-5	?
32	3.408	VV	0.0209	32.46664	3.897e-5	?
33	3.438	VV	0.0225	12.74836	1.530e-5	?
34	3.473	VV	0.0195	9.61633	1.154e-5	?
35	3.514	VV	0.0241	41.19440	4.945e-5	?
36	3.576	VV	0.0297	59.01635	7.084e-5	?
37	3.626	VV	0.0203	17.79729	2.136e-5	?
38	3.656	VV	0.0326	58.34567	7.003e-5	?
39	3.759	VV	0.0370	81.28468	9.757e-5	?
40	3.798	VV	0.0158	10.44985	1.254e-5	?
41	3.836	VV	0.0335	40.77377	4.894e-5	?
42	3.917	VV	0.0354	40.00662	4.802e-5	?
43	3.962	VV	0.0198	20.04508	2.406e-5	?
44	3.994	VV	0.0320	47.26204	5.673e-5	?
45	4.067	VV	0.0281	144.83008	0.00017	?
46	4.127	VV	0.0283	112.07043	0.00013	?
47	4.162	VV	0.0256	66.23385	7.950e-5	?
48	4.193	VV	0.0287	79.12008	9.497e-5	?
49	4.236	VV	0.0218	30.74226	3.690e-5	?
50	4.301	VV	0.0289	154.95638	0.00019	?
51	4.345	VV	0.0196	43.69530	5.245e-5	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
52	4.376	VV	0.0449	121.58446	0.00015	?
53	4.472	VV	0.0370	111.03031	0.00013	?
54	4.500	VV	0.0333	72.87585	8.747e-5	?
55	4.545	VV	0.0233	76.03220	9.126e-5	?
56	4.582	VV	0.0412	128.72845	0.00015	?
57	4.656	VV	0.0399	195.02333	0.00023	?
58	4.703	VV	0.0197	46.62358	5.596e-5	?
59	4.739	VV	0.0243	130.68005	0.00016	?
60	4.766	VV	0.0208	75.13953	9.019e-5	?
61	4.810	VV	0.0339	159.11850	0.00019	?
62	4.864	VV	0.0360	302.84479	0.00036	?
63	4.935	VV	0.0256	173.24683	0.00021	?
64	4.980	VV	0.0356	114.96758	0.00014	?
65	5.042	VV	0.0372	145.15413	0.00017	?
66	5.107	VV	0.0498	281.10141	0.00034	?
67	5.159	VV	0.0450	243.33543	0.00029	?
68	5.228	VV	0.0377	187.91212	0.00023	?
69	5.272	VV	0.0337	203.61488	0.00024	?
70	5.329	VV	0.0506	353.47159	0.00042	?
71	5.410	VV	0.0424	248.83569	0.00030	?
72	5.463	VV	0.0419	221.37018	0.00027	?
73	5.585	VV	0.0429	354.60315	0.00043	?
74	5.644	VV	0.0252	138.12335	0.00017	?
75	5.717	VV	0.0624	544.26221	0.00065	?
76	5.854	VV	0.0904	858.05945	0.00103	?
77	5.960	VV	0.0599	984.84802	0.00118	?
78	6.074	VV	0.0441	388.78516	0.00047	?
79	6.108	VV	0.0504	470.84732	0.00057	?
80	6.171	VV	0.0282	184.40147	0.00022	?
81	6.231	VV	0.0389	402.67761	0.00048	?
82	6.264	VV	0.0374	390.80917	0.00047	?
83	6.308	VV	0.0397	325.78525	0.00039	?
84	6.407	VV	0.0743	868.58148	0.00104	?
85	6.506	VV	0.0670	779.19116	0.00094	?
86	6.747	VV	0.0571	648.15564	0.00078	?
87	6.829	VV	0.0805	1019.79486	0.00122	?
88	7.018	VV	0.0470	499.02408	0.00060	?
89	7.098	VV	0.0484	598.53406	0.00072	?
90	7.189	VV	0.0645	1844.78906	0.00221	?
91	7.290	VV	0.0581	582.82220	0.00070	?
92	7.395	VV	0.0730	935.76025	0.00112	?
93	7.619	VV	0.0814	790.14709	0.00095	?
94	7.729	VV	0.0912	1225.04663	0.00147	?
95	7.803	VV	0.0568	596.66681	0.00072	?
96	7.951	VV	0.0681	704.39740	0.00085	?
97	7.994	VV	0.0265	252.34979	0.00030	?
98	8.154	VV	0.0541	445.40128	0.00053	?
99	8.275	VV	0.0739	1436.50037	0.00172	?
100	8.358	VV	0.0495	424.63312	0.00051	?
101	8.585	VV	0.0806	2399.99951	0.00288	?
102	8.710	VV	0.0261	186.09955	0.00022	?
103	8.742	VV	0.0209	138.94292	0.00017	?
104	8.792	VV	0.0386	313.81790	0.00038	?
105	8.831	VV	0.0383	299.26196	0.00036	?
106	8.872	VV	0.0305	208.83978	0.00025	?
107	8.912	VV	0.0392	212.74181	0.00026	?
108	8.945	VV	0.0266	185.62071	0.00022	?
109	8.996	VV	0.0381	238.67715	0.00029	?
110	9.125	VV	0.0749	1058.68335	0.00127	?
111	9.258	VV	0.0398	261.06677	0.00031	?
112	9.294	VV	0.0305	175.36707	0.00021	?
113	9.359	VV	0.0401	218.52309	0.00026	?
114	9.789	VV	0.0434	182.27014	0.00022	?
115	9.860	VV	0.0300	96.15207	0.00012	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
116	9.909	VV	0.0397	156.97881	0.00019	?
117	9.943	VV	0.0294	119.04881	0.00014	?
118	9.974	VV	0.0357	146.89818	0.00018	?
119	10.041	VV	0.0399	141.54163	0.00017	?
120	10.094	VV	0.0717	249.47484	0.00030	?
121	10.335	VV	0.0393	98.17317	0.00012	?
122	10.406	VV	0.0857	264.24121	0.00032	?
123	10.531	VV	0.0987	204.58180	0.00025	?
124	10.663	VV	0.0746	139.12688	0.00017	?
125	10.837	VV	0.1151	175.64206	0.00021	?
126	10.963	VV	0.0401	38.95424	4.676e-5	?
127	11.110	VV	0.0538	46.02106	5.524e-5	?
128	11.175	VV	0.0712	50.64734	6.079e-5	?
129	11.688	VV	0.0392	7.77076	9.327e-6	?
130	11.755	VV	0.0543	12.86888	1.545e-5	?
131	12.130	BV	0.0461	4.39977	5.281e-6	?
132	12.214	VP	0.0444	9.70108	1.164e-5	?
133	12.947	VP	0.0464	22.76123	2.732e-5	?
134	13.636	BP	0.0401	28.60006	3.433e-5	?
135	14.286	VV	0.0397	28.31313	3.398e-5	?
136	14.483	VV	0.0554	5.71278	6.857e-6	?
137	14.600	VV	0.0427	28.99334	3.480e-5	?
138	14.786	VV	0.0647	8.45892	1.015e-5	?
139	14.904	VV	0.0471	30.98249	3.719e-5	?
140	15.114	VV	0.0823	9.37619	1.125e-5	?
141	15.247	VB	0.0572	25.71950	3.087e-5	?
142	15.645	BP	0.1442	63.88867	7.669e-5	?

Uncalib. totals : 8.33018e7 99.9879

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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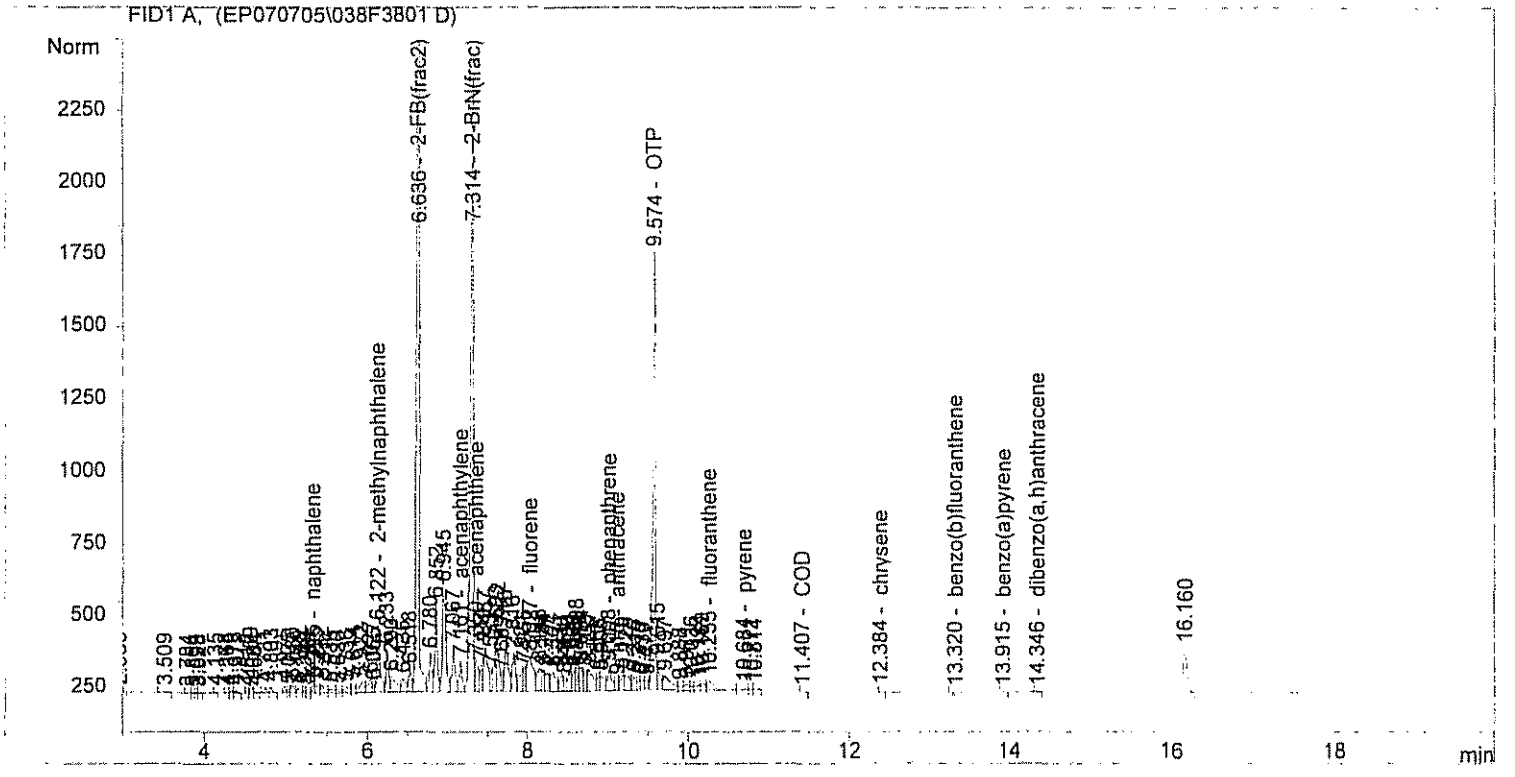
==========================================================================
Injection Date  : 7/8/2005 2:10:04 AM          Seq. Line :  38
Sample Name     : 138087 x1 R                   Location : Vial 38
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          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    : 7/8/2005 2:43:39 PM by DCS
                  (modified after loading)
```

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/8/2005 2:43:38 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	5.325	VV	0.0251	59.10981	0.00011	naphthalene
2	6.122	VV	0.0343	564.20355	0.00100	2-methylnaphthalene
3	6.636	VV	0.0345	6979.33691	0.01241	2-FB(frac2)
4	7.161	VV	0.0340	260.94116	0.00046	acenaphthylene
5	7.314	VV	0.0329	4900.93701	0.00872	2-BrN(frac)
6	7.350	VV	0.0358	309.74112	0.00055	acenaphthene
7	8.027	VV	0.0696	657.84973	0.00117	fluorene
8	9.008	VV	0.0489	295.55423	0.00053	phenanthrene
9	9.110	VV	0.0410	103.19308	0.00018	anthracene
10	9.574	VV	0.0253	2767.10693	0.00492	OTP
11	10.255	VV	0.1003	262.91171	0.00047	fluoranthene
12	10.684	VV	0.0755	48.93043	8.701e-5	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.407	PB	0.0354	8.26964	1.471e-5	COD
14	12.091		0.0000	0.00000	0.00000	benzo(a)anthracene
15	12.384	PB	0.0325	17.36057	3.087e-5	chrysene
16	13.320	PP	0.0527	13.36506	2.377e-5	benzo(b)fluoranthene
17	13.349		0.0000	0.00000	0.00000	benzo(k)fluoranthene
18	13.915	BB	0.0342	4.45682	7.925e-6	benzo(a)pyrene
19	14.346	BP	0.0308	2.89952	5.156e-6	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 : 1.72562e4 3.069e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	1.396	BV S	0.4813	5.10513e7	90.78350	?
2	1.490	VV S	0.0187	9.00963e5	1.60216	?
3	1.541	VV S	0.0242	1.75104e5	0.31138	?
4	1.577	VV S	0.0402	2.43299e5	0.43265	?
5	1.628	VV S	0.0400	2.51479e5	0.44720	?
6	1.689	VV S	0.0415	2.30730e5	0.41030	?
7	1.727	VV S	0.0241	1.35037e5	0.24013	?
8	1.757	VV S	0.0407	2.00414e5	0.35639	?
9	1.816	VV S	0.0668	3.09234e5	0.54991	?
10	1.885	VV S	0.0259	1.53991e5	0.27384	?
11	1.928	VV S	0.0336	1.72073e5	0.30599	?
12	1.976	VV S	0.0483	1.90566e5	0.33888	?
13	2.006	VV S	0.0208	7.22493e4	0.12848	?
14	2.041	VV S	0.0439	1.82297e5	0.32417	?
15	2.101	VV S	0.0361	1.66006e5	0.29520	?
16	2.142	VV S	0.0223	1.00169e5	0.17813	?
17	2.173	VV S	0.0334	1.60801e5	0.28595	?
18	2.221	VV S	0.0412	2.08094e5	0.37005	?
19	2.289	VV S	0.0307	1.45326e5	0.25843	?
20	2.325	VV S	0.0314	1.25654e5	0.22345	?
21	2.365	VV S	0.0321	1.44721e5	0.25736	?
22	2.423	VV S	0.0357	1.45178e5	0.25817	?
23	2.466	VV S	0.0297	1.19404e5	0.21233	?
24	2.500	VV S	0.0239	8.30191e4	0.14763	?
25	2.537	VV S	0.0349	1.14382e5	0.20340	?
26	2.568	VV S	0.0363	1.27027e5	0.22589	?
27	2.621	VV S	0.0369	1.27132e5	0.22608	?
28	2.670	VV S	0.0354	7.64924e4	0.13602	?
29	2.706	VV S	0.0230	2.85380e4	0.05075	?
30	2.740	VV S	0.0318	3.73674e4	0.06645	?
31	2.777	VV S	0.0269	2.39854e4	0.04265	?
32	2.812	VB S	0.0238	1888.98743	0.00336	?
33	2.960	BB X	0.0209	3.00342	5.341e-6	?
34	3.509	BB	0.0368	9.45701	1.682e-5	?
35	3.784	BB	0.0245	5.03675	8.957e-6	?
36	3.854	BV	0.0195	4.43434	7.885e-6	?
37	3.899	VV	0.0253	4.97740	8.851e-6	?
38	3.928	VP	0.0208	4.00713	7.126e-6	?
39	4.135	BB	0.0209	9.02291	1.605e-5	?
40	4.268	PV	0.0229	11.14483	1.982e-5	?
41	4.319	VV	0.0233	12.38918	2.203e-5	?
42	4.375	VB	0.0254	17.18710	3.056e-5	?
43	4.515	BV	0.0206	5.30882	9.441e-6	?
44	4.559	VV	0.0235	41.16314	7.320e-5	?
45	4.604	VB	0.0275	10.18378	1.811e-5	?
46	4.731	BV	0.0353	42.98766	7.644e-5	?
47	4.803	VB	0.0271	37.39747	6.650e-5	?
48	4.975	PV	0.0242	34.97853	6.220e-5	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
49	5.025	VV	0.0246	13.45118	2.392e-5	?
50	5.080	VV	0.0397	72.36255	0.00013	?
51	5.149	VV	0.0371	35.47579	6.309e-5	?
52	5.219	VV	0.0229	9.10038	1.618e-5	?
53	5.263	VV	0.0281	24.19364	4.302e-5	?
54	5.355	VV	0.0401	79.82503	0.00014	?
55	5.432	VV	0.0420	87.60361	0.00016	?
56	5.536	VV	0.0583	70.12826	0.00012	?
57	5.630	VV	0.0473	46.56002	8.280e-5	?
58	5.736	VV	0.0594	90.84243	0.00016	?
59	5.814	VV	0.0368	75.34389	0.00013	?
60	5.922	VV	0.0543	145.72386	0.00026	?
61	6.027	VV	0.0460	155.19354	0.00028	?
62	6.066	VV	0.0218	36.74398	6.534e-5	?
63	6.233	VV	0.0291	305.58411	0.00054	?
64	6.290	VV	0.0637	268.60297	0.00048	?
65	6.435	VV	0.0469	155.52379	0.00028	?
66	6.518	VV	0.0357	193.16319	0.00034	?
67	6.780	VV	0.0374	362.12790	0.00064	?
68	6.852	VV	0.0285	622.07172	0.00111	?
69	6.945	VV	0.0411	1094.75134	0.00195	?
70	7.067	VV	0.0388	437.20288	0.00078	?
71	7.414	VV	0.0289	178.70795	0.00032	?
72	7.467	VV	0.0423	501.95511	0.00089	?
73	7.533	VV	0.0224	114.10952	0.00020	?
74	7.593	VV	0.0331	406.82642	0.00072	?
75	7.622	VV	0.0278	344.70441	0.00061	?
76	7.669	VV	0.0234	98.55266	0.00018	?
77	7.715	VV	0.0450	530.77161	0.00094	?
78	7.816	VV	0.0465	412.01132	0.00073	?
79	7.921	VV	0.0488	244.00137	0.00043	?
80	7.955	VV	0.0257	154.73466	0.00028	?
81	8.143	VV	0.0491	318.03455	0.00057	?
82	8.184	VV	0.0238	122.55495	0.00022	?
83	8.227	VV	0.0476	239.46866	0.00043	?
84	8.301	VV	0.0566	295.38992	0.00053	?
85	8.417	VV	0.0358	187.40125	0.00033	?
86	8.454	VV	0.0262	80.63973	0.00014	?
87	8.503	VV	0.0259	120.36040	0.00021	?
88	8.524	VV	0.0208	101.59955	0.00018	?
89	8.565	VV	0.0311	137.13528	0.00024	?
90	8.608	VV	0.0341	294.57065	0.00052	?
91	8.664	VV	0.0406	250.14023	0.00044	?
92	8.709	VV	0.0332	152.04704	0.00027	?
93	8.757	VV	0.0625	368.47644	0.00066	?
94	8.868	VV	0.0356	130.93138	0.00023	?
95	8.905	VV	0.0546	193.78067	0.00034	?
96	9.179	VV	0.0430	168.31082	0.00030	?
97	9.225	VV	0.0595	243.67818	0.00043	?
98	9.316	VV	0.0470	152.68076	0.00027	?
99	9.379	VV	0.0303	83.04339	0.00015	?
100	9.430	VV	0.0422	112.83974	0.00020	?
101	9.477	VV	0.0356	91.94693	0.00016	?
102	9.615	VV	0.0280	209.96602	0.00037	?
103	9.697	VV	0.0951	343.97772	0.00061	?
104	9.888	VV	0.0516	66.43539	0.00012	?
105	9.971	VV	0.0529	94.06891	0.00017	?
106	10.036	VV	0.0324	39.98867	7.111e-5	?
107	10.124	VV	0.0480	75.78154	0.00013	?
108	10.169	VV	0.0433	94.20959	0.00017	?
109	10.771	VV	0.0359	12.02607	2.139e-5	?
110	10.814	VB	0.0434	16.17395	2.876e-5	?
111	16.160	BB	0.0501	516.35840	0.00092	?

Uncalib. totals : 5.62168e7 99.9693

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

Data File Name	: C:\HPCHEM\1\DATA\EP070605\039F3901.D		
Operator	: DCS	Page Number	:
Instrument	: GC6	Vial Number	: Vial 39
Sample Name	: G161-2047-16G x1 T	Injection Number	: 1
Run Time Bar Code	: 138088	Sequence Line	: 39
Acquired on	: 7 Jul 05 3:41:03 AM	Instrument Method	: PROEPH.M
Report Created on	: 7 Jul 2005 9:38:19 AM	Analysis Method	: EPHTK_F.M
Last Recalib on	: 8 Jun 2005 10:16:23 AM	Sample Amount	: 10 µl
Multiplier	: 1.0000	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\EP070605\039F3901.D

Ret Time	Area	Type	Width	Ref#	ng	Name
3.133	3.84863	VP	0.01	1	4.602e-6	nonane
3.890	3.90305	VB	0.03	2	4.667e-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
9.564	3271.56494	BP	0.03	9	0.00391	OTP
9.605	0.00000	XX	0.00	10	0.00000	nonadecane
10.154	0.00000	XX	0.00	11	0.00000	eicosane
10.962	2.17685	VP	0.02	12	2.603e-6	docosane
11.399	2918.26245	PB	0.03	13	0.00349	COD
11.803	19.60795	BB	0.09	14	2.345e-5	tetracosane
12.604	6.29285	BP	0.04	15	7.524e-6	hexacosane
13.314	11.68032	VB	0.04	16	1.397e-5	octacosane
13.978	13.52157	VP	0.03	17	1.617e-5	triacontane
16.132	4.58678	BP	0.05	18	5.484e-6	hexatriacontane
0.549	53.84450	PV	0.02	1	6.438e-5	* uncalibrated *
0.592	89.51730	VV	0.01	2	0.00011	* uncalibrated *
1.839	8.26187e7	VVS	0.71	3	98.78784	* uncalibrated *
1.891	8.34182e5	VVS	0.01	4	0.99744	* uncalibrated *
1.980	4.10341e4	VVS	0.07	5	0.04906	* uncalibrated *
2.028	9810.77832	VVS	0.02	6	0.01173	* uncalibrated *
2.057	6194.82373	VVS	0.02	7	0.00741	* uncalibrated *
2.081	6534.25732	VVS	0.02	8	0.00781	* uncalibrated *
2.112	8703.55469	VVS	0.03	9	0.01041	* uncalibrated *
2.163	1.08847e4	VVS	0.04	10	0.01301	* uncalibrated *
2.205	1.11211e4	VVS	0.03	11	0.01330	* uncalibrated *
2.265	8660.02246	VVS	0.03	12	0.01035	* uncalibrated *
2.337	1.40494e4	VVS	0.05	13	0.01680	* uncalibrated *
2.374	5114.68115	VVS	0.02	14	0.00612	* uncalibrated *
2.411	8844.76855	VVS	0.04	15	0.01058	* uncalibrated *
2.461	6710.34912	VVS	0.03	16	0.00802	* uncalibrated *
2.492	4883.42480	VVS	0.02	17	0.00584	* uncalibrated *
2.519	4076.57568	VVS	0.02	18	0.00487	* uncalibrated *
2.556	6906.89502	VVS	0.04	19	0.00826	* uncalibrated *
2.600	5286.29053	VVS	0.02	20	0.00632	* uncalibrated *
2.632	4569.60791	VVS	0.02	21	0.00546	* uncalibrated *
2.665	3820.50220	VVS	0.03	22	0.00457	* uncalibrated *
2.722	4119.90088	VVS	0.05	23	0.00493	* uncalibrated *
2.770	1701.08557	VBAS	0.02	24	0.00203	* uncalibrated *
3.479	11.72002	PV	0.02	25	1.401e-5	* uncalibrated *

A2/7

3.559	6.64834	VV	0.03	26	7.949e-6	* uncalibrated *
4.391	15.49594	VB	0.02	27	1.853e-5	* uncalibrated *
12.228	3.32733	VV	0.03	28	3.979e-6	* uncalibrated *
12.966	9.61734	VB	0.04	29	1.150e-5	* uncalibrated *
13.653	15.46680	PP	0.04	30	1.849e-5	* uncalibrated *
14.296	14.50976	VV	0.04	31	1.735e-5	* uncalibrated *
14.606	14.09006	VV	0.04	32	1.685e-5	* uncalibrated *
14.834	7.43200	VV	0.08	33	8.887e-6	* uncalibrated *
14.913	16.00123	VV	0.04	34	1.913e-5	* uncalibrated *
15.257	11.52422	BV	0.05	35	1.378e-5	* uncalibrated *
15.531	17.82146	VV	0.13	36	2.131e-5	* uncalibrated *
15.657	9.58433	VP	0.06	37	1.146e-5	* uncalibrated *

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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==========================================================================
Injection Date  : 7/7/2005 3:41:03 AM          Seq. Line :  39
Sample Name     : 138088 x1 T                   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    : 6/8/2005 10:16:35 AM by CLP
TPH
```
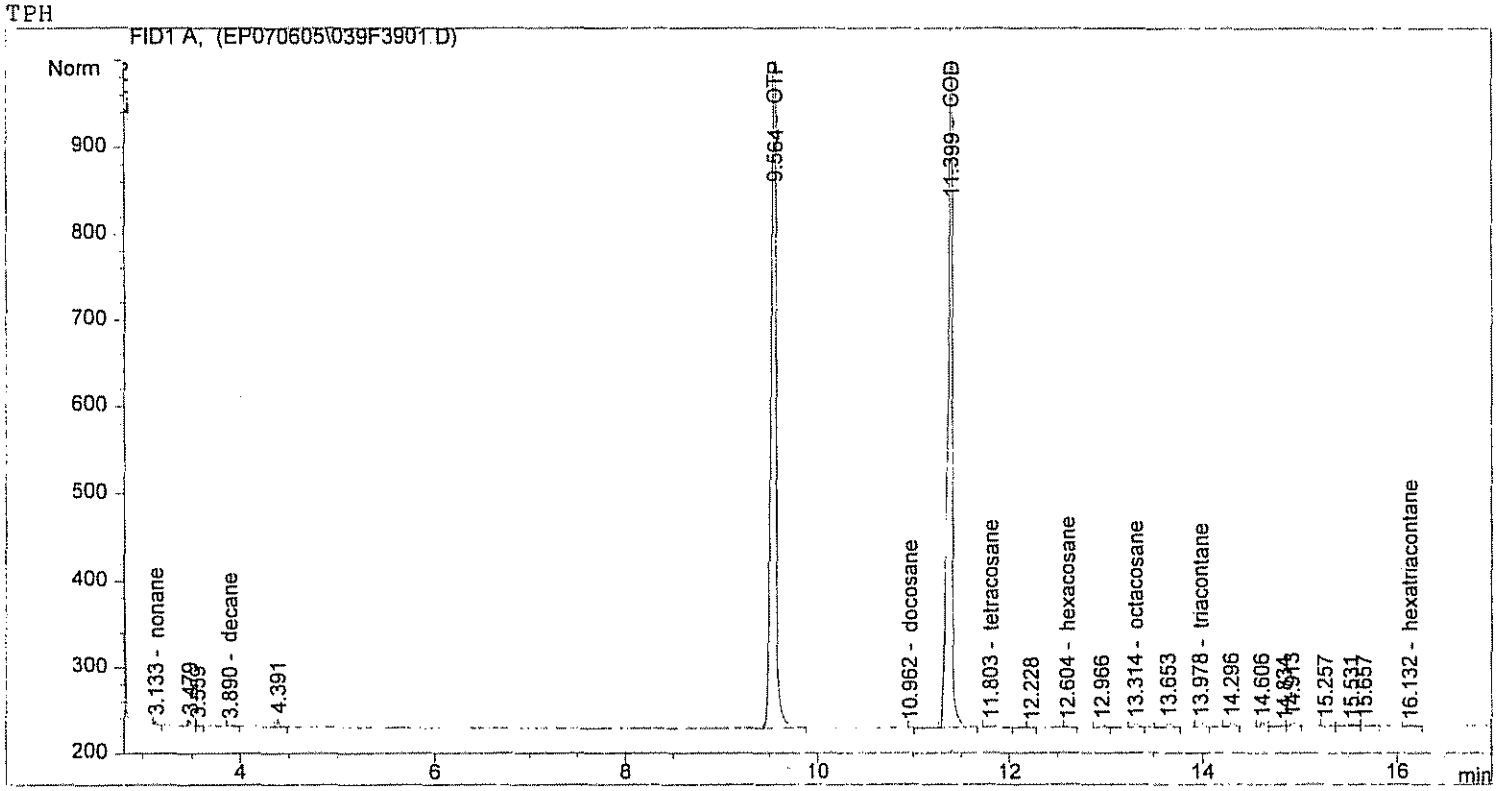




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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   3.133 VP     0.0159    3.84863 4.602e-6 nonane
   2   3.890 VB     0.0357    3.90305 4.667e-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   9.564 BP     0.0358 3271.56494  0.00391 OTP
  10   9.605        0.0000    0.00000  0.00000 nonadecane
  11  10.154        0.0000    0.00000  0.00000 eicosane
  12  10.962 VP     0.0287    2.17685 2.603e-6 docosane
  13  11.399 PB     0.0348 2918.26245  0.00349 COD
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.803	BB	0.0909	19.60795	2.345e-5	tetracosane
15	12.604	BP	0.0421	6.29285	7.524e-6	hexacosane
16	13.314	VB	0.0416	11.68032	1.397e-5	octacosane
17	13.978	VP	0.0386	13.52157	1.617e-5	triacontane
18	16.132	BP	0.0555	4.58678	5.484e-6	hexatriacontane

Totals : 6255.44539 7.480e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.549	PV	0.0209	53.84450	6.438e-5	?
2	0.592	VV	0.0111	89.51730	0.00011	?
3	1.839	VV S	0.7159	8.26187e7	98.78784	?
4	1.891	VV S	0.0180	8.34182e5	0.99744	?
5	1.980	VV S	0.0795	4.10341e4	0.04906	?
6	2.028	VV S	0.0293	9810.77832	0.01173	?
7	2.057	VV S	0.0210	6194.82373	0.00741	?
8	2.081	VV S	0.0241	6534.25732	0.00781	?
9	2.112	VV S	0.0331	8703.55469	0.01041	?
10	2.163	VV S	0.0442	1.08847e4	0.01301	?
11	2.205	VV S	0.0388	1.11211e4	0.01330	?
12	2.265	VV S	0.0351	8660.02246	0.01035	?
13	2.337	VV S	0.0589	1.40494e4	0.01680	?
14	2.374	VV S	0.0259	5114.68115	0.00612	?
15	2.411	VV S	0.0470	8844.76855	0.01058	?
16	2.461	VV S	0.0354	6710.34912	0.00802	?
17	2.492	VV S	0.0224	4883.42480	0.00584	?
18	2.519	VV S	0.0228	4076.57568	0.00487	?
19	2.556	VV S	0.0402	6906.89502	0.00826	?
20	2.600	VV S	0.0263	5286.29053	0.00632	?
21	2.632	VV S	0.0294	4569.60791	0.00546	?
22	2.665	VV S	0.0373	3820.50220	0.00457	?
23	2.722	VV S	0.0566	4119.90088	0.00493	?
24	2.770	VBAS	0.0237	1701.08557	0.00203	?
25	3.479	PV	0.0251	11.72002	1.401e-5	?
26	3.559	VV	0.0338	6.64834	7.949e-6	?
27	4.391	VB	0.0235	15.49594	1.853e-5	?
28	12.228	VV	0.0325	3.32733	3.979e-6	?
29	12.966	VB	0.0418	9.61734	1.150e-5	?
30	13.653	PP	0.0424	15.46680	1.849e-5	?
31	14.296	VV	0.0407	14.50976	1.735e-5	?
32	14.606	VV	0.0429	14.09006	1.685e-5	?
33	14.834	VV	0.0897	7.43200	8.887e-6	?
34	14.913	VV	0.0466	16.00123	1.913e-5	?
35	15.257	BV	0.0536	11.52422	1.378e-5	?
36	15.531	VV	0.1343	17.82146	2.131e-5	?
37	15.657	VP	0.0626	9.58433	1.146e-5	?

Uncalib. totals : 8.36262e7 99.9925

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

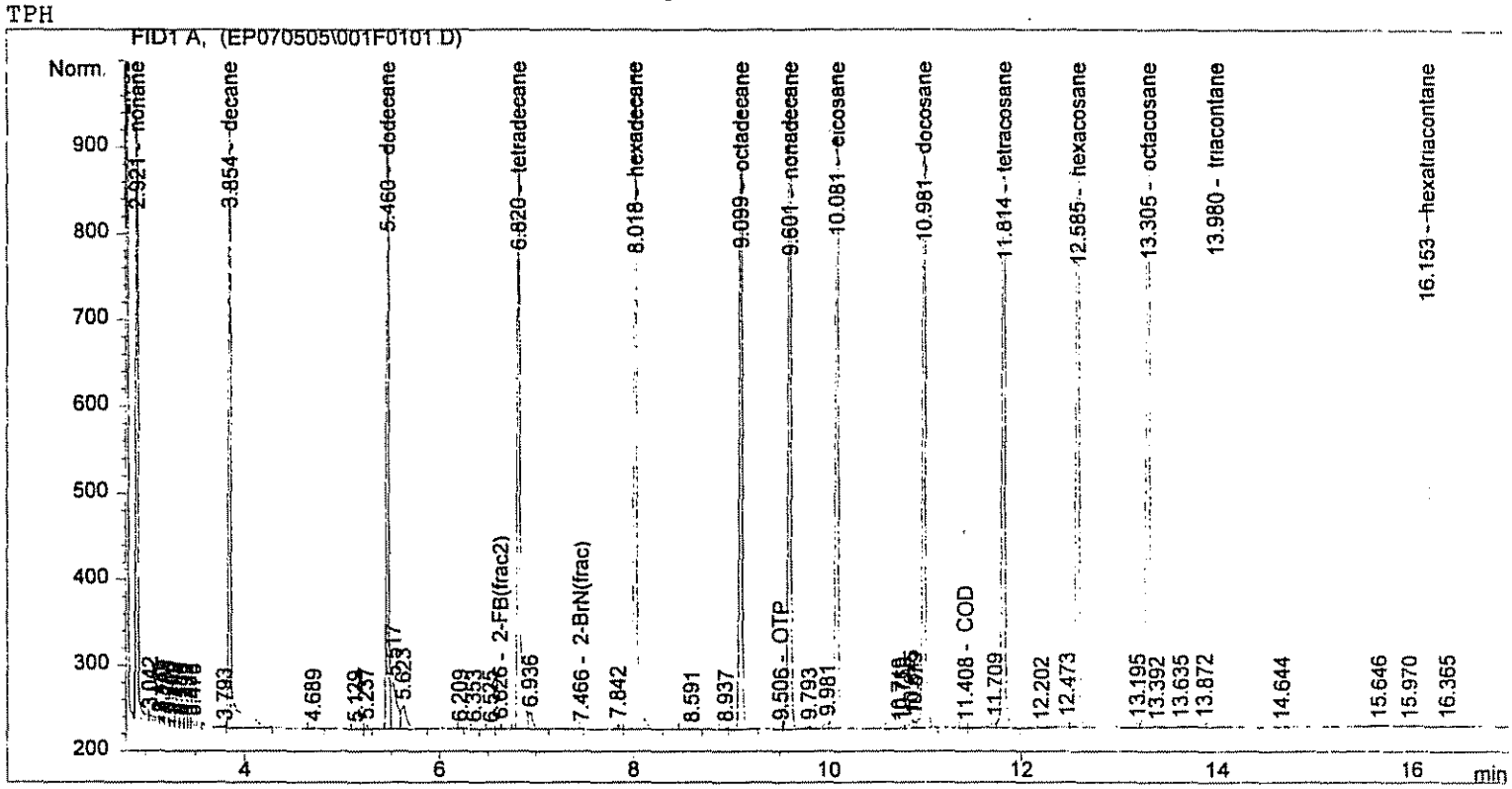
Calibration Check

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	BV	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 :

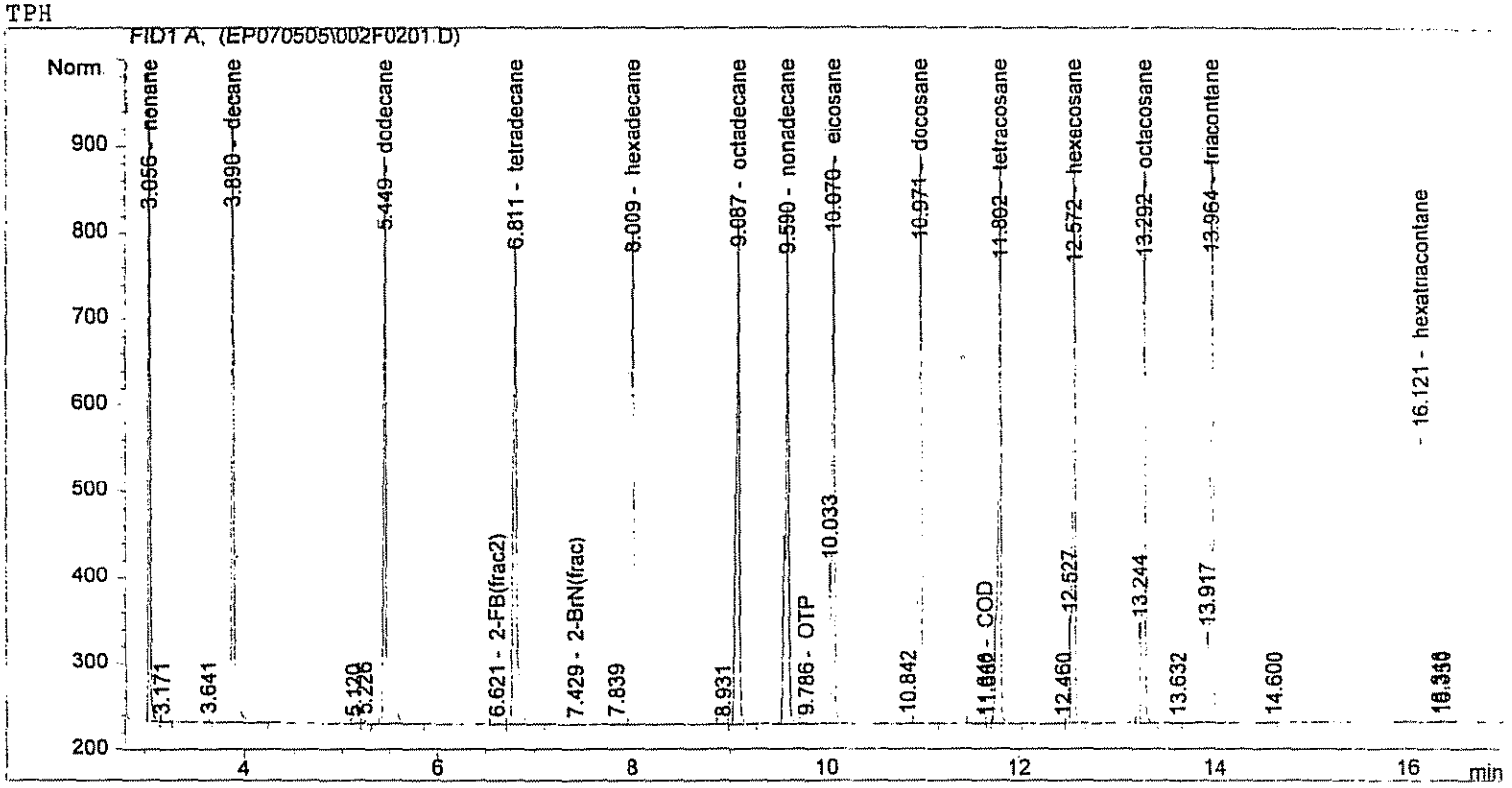
Warning : Calibration warnings (see calibration table listing)

==========

*** 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 :

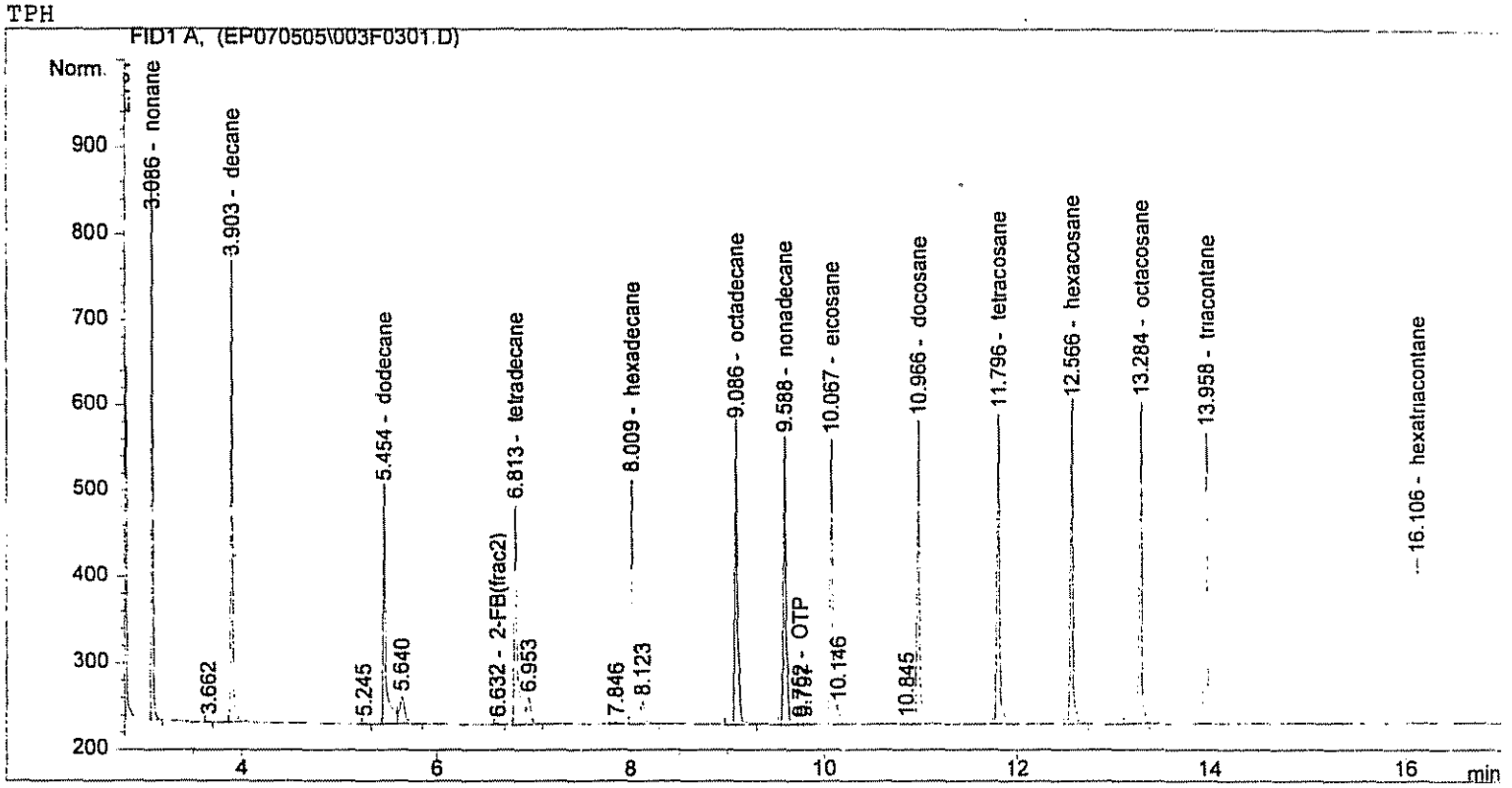
Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

==========

*** 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 [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

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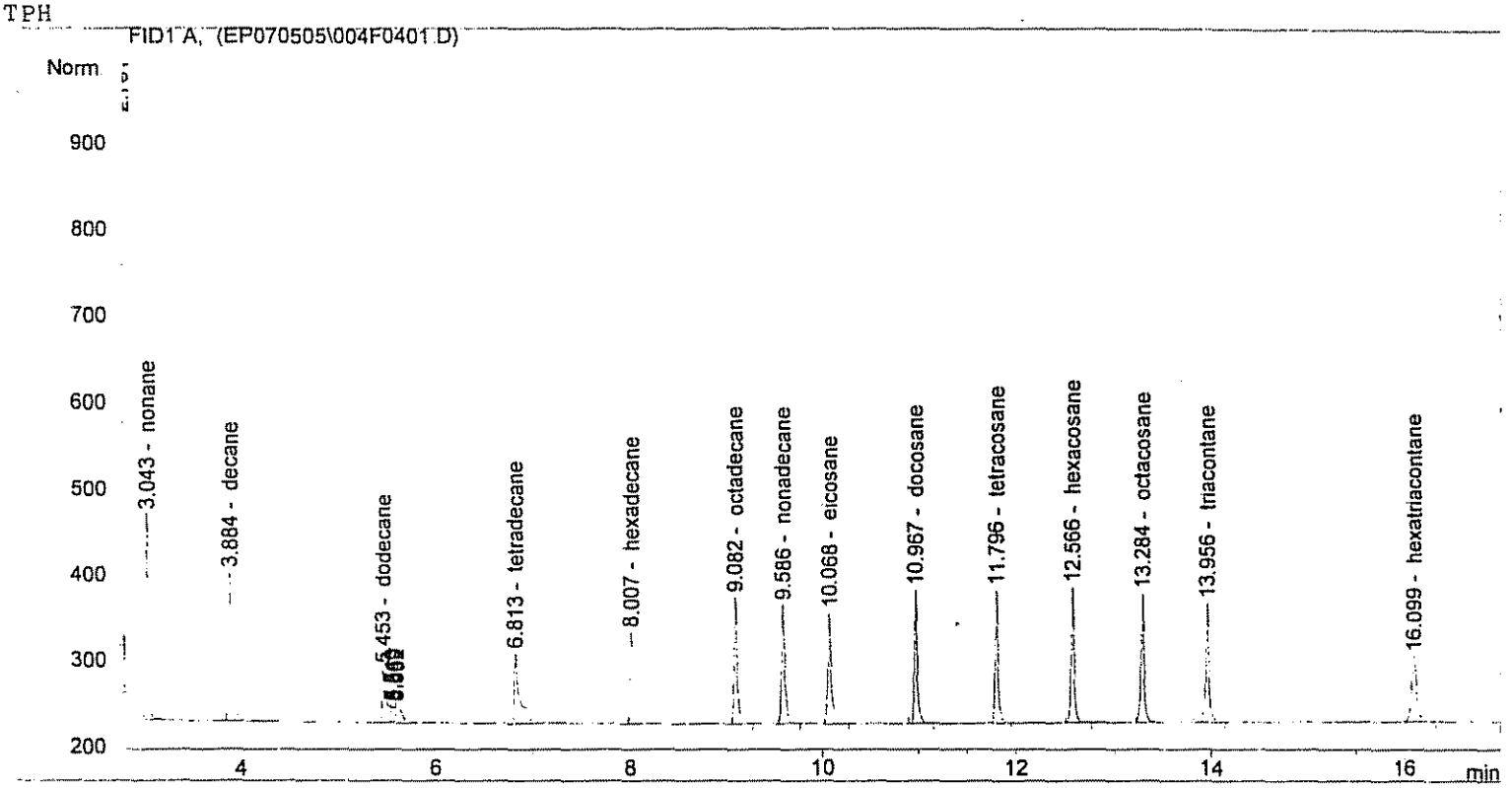
*** End of Report ***

```
==========================================================================
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 ***

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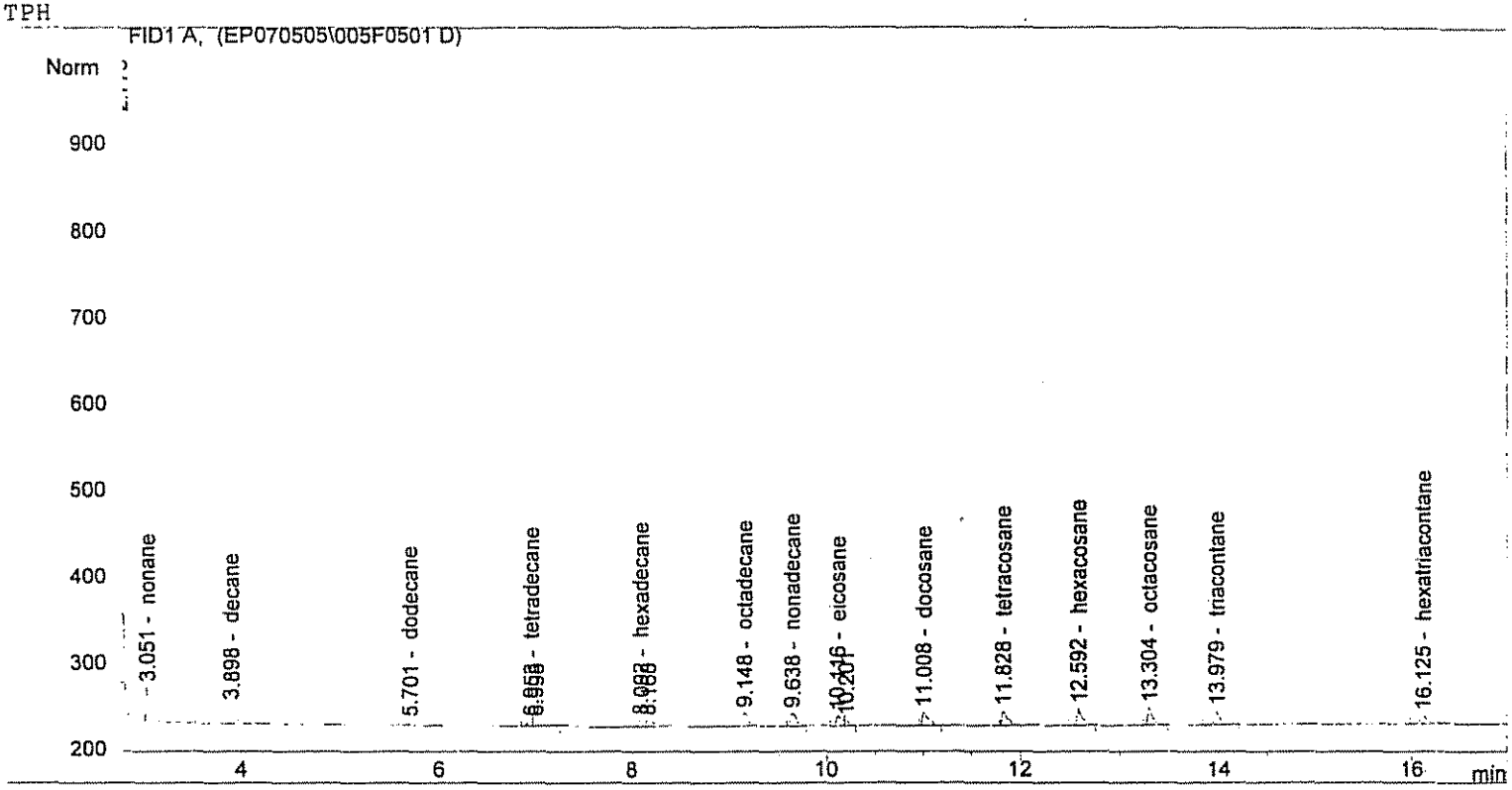
==========================================================================
Injection Date  : 7/5/2005 7:03:13 PM          Seq. Line :   5
Sample Name     : K 1 ical                      Location : Vial 5
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          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

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*** 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)
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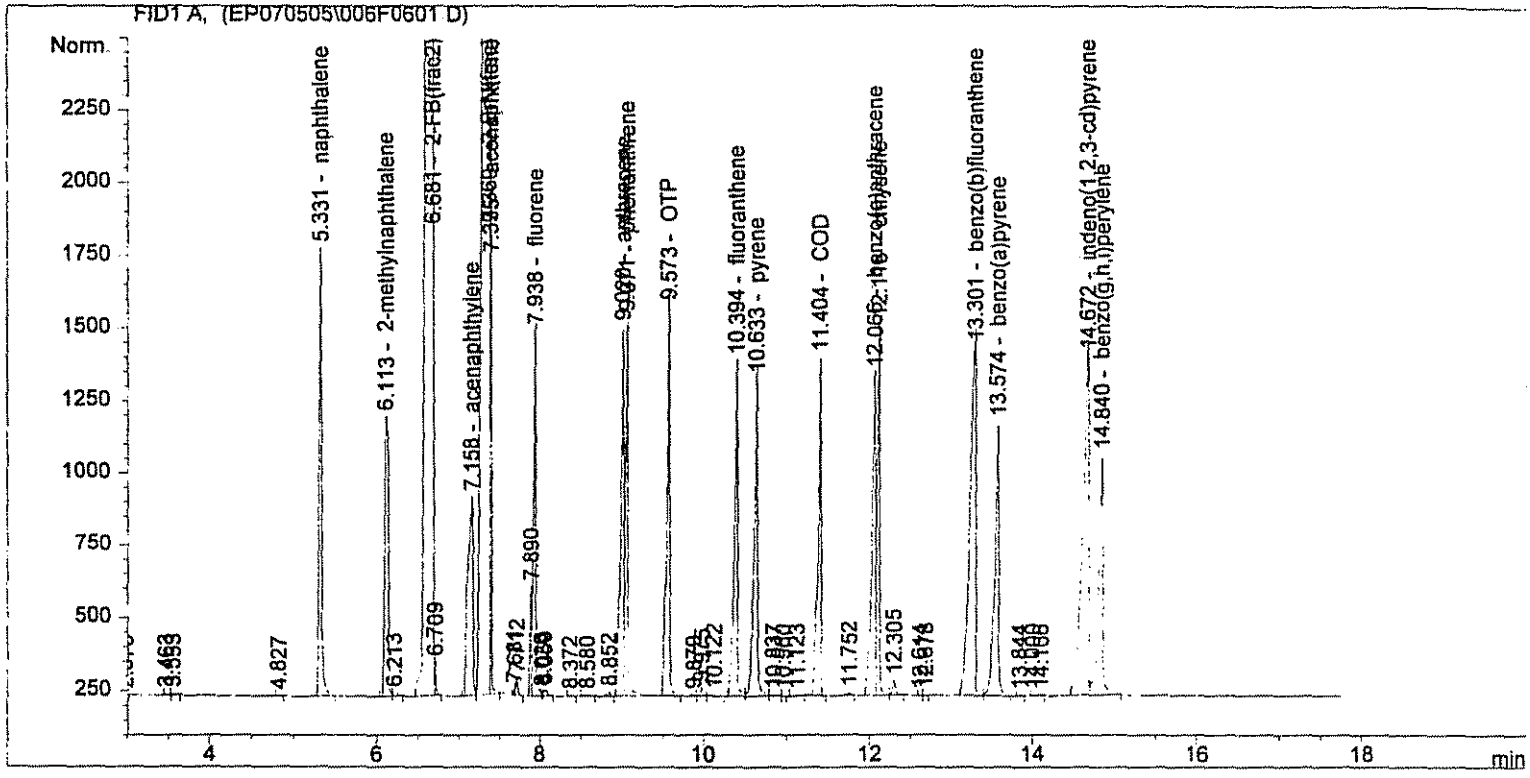
TPH




```
==========================================================================
                          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

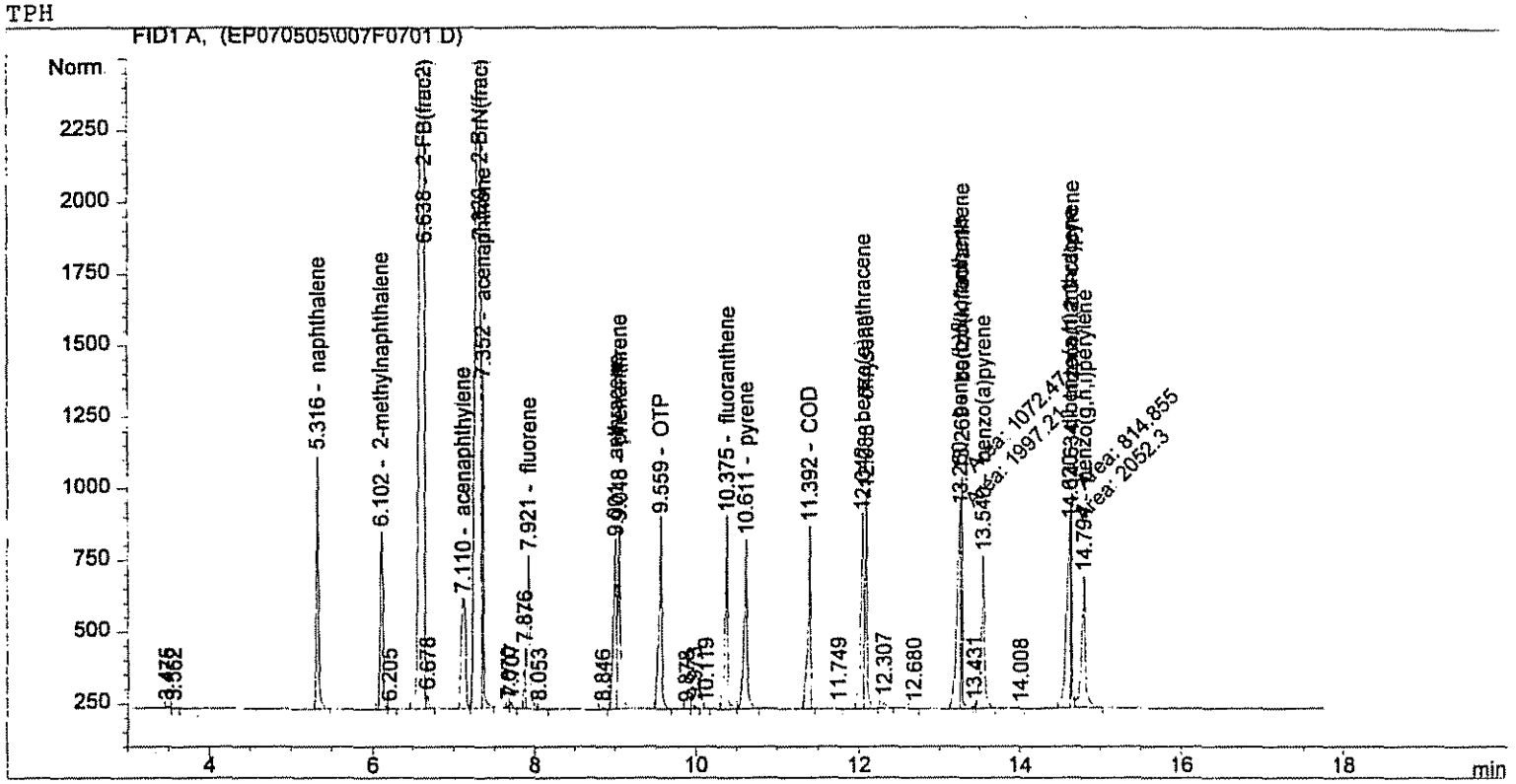
Results obtained with enhanced integrator!
3 Warnings or Errors :

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)
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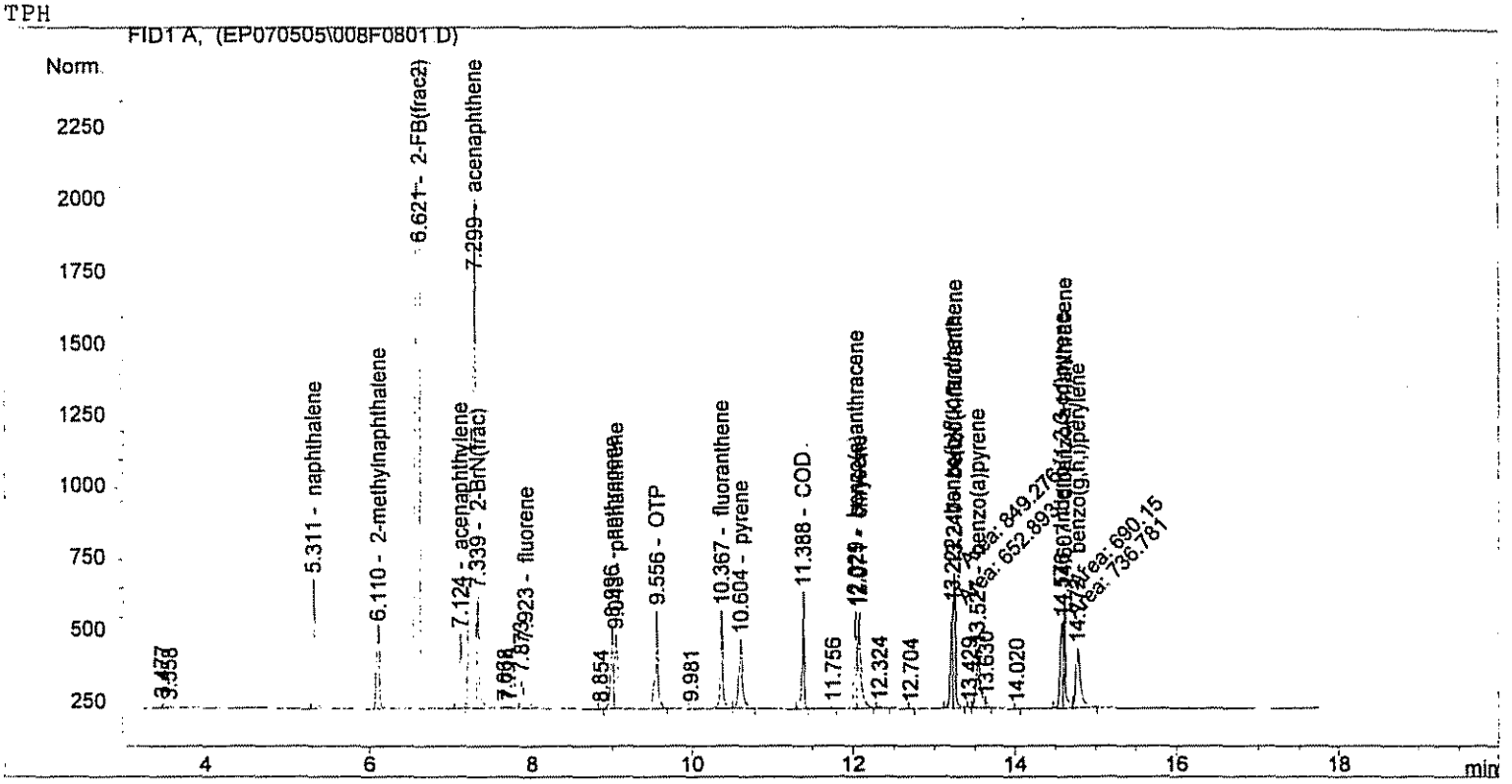
TPH




```
==================================================================
                      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 ***

```
==========================================================================
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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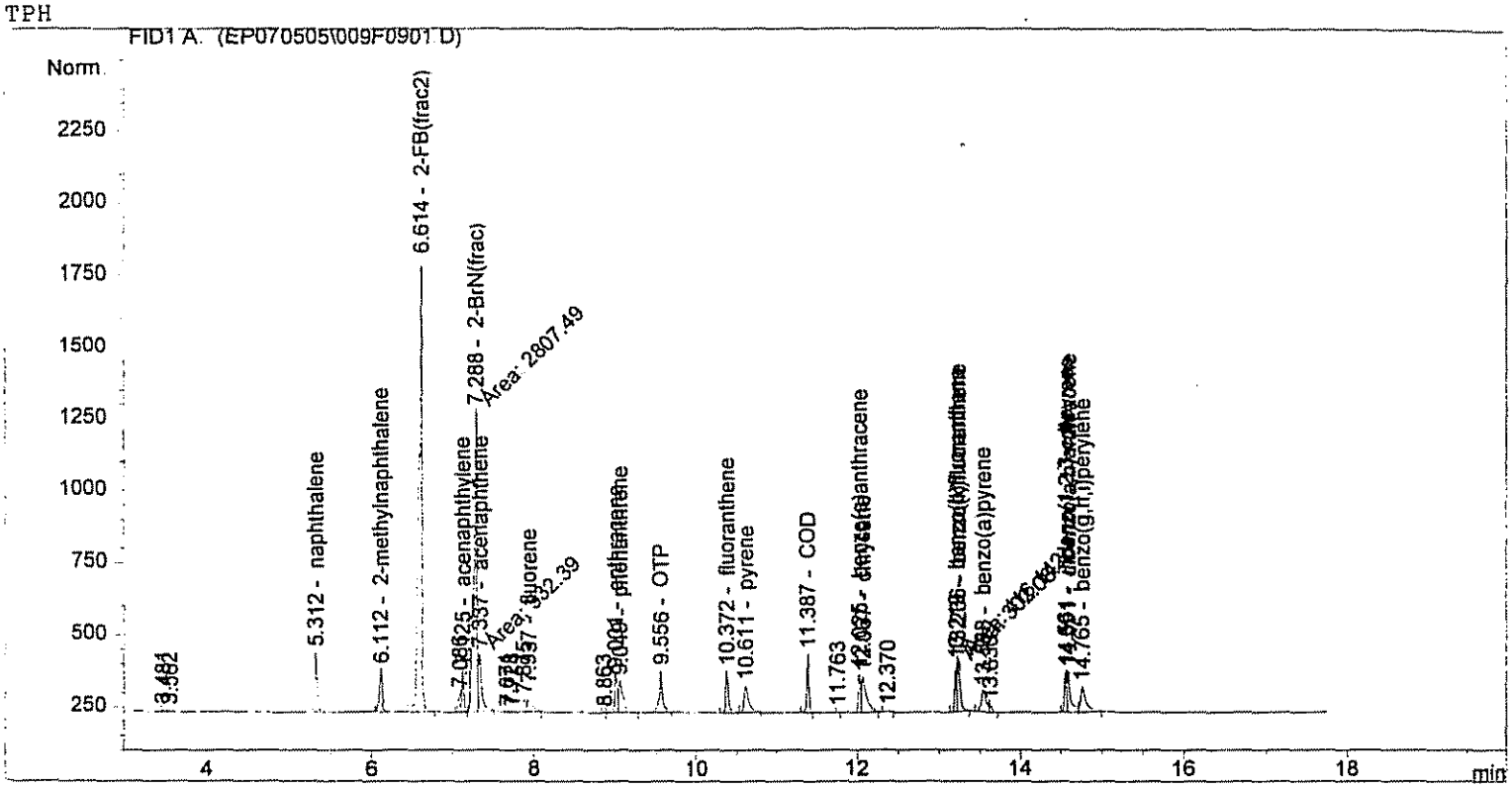
TPH




```
==========================================================================
                          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

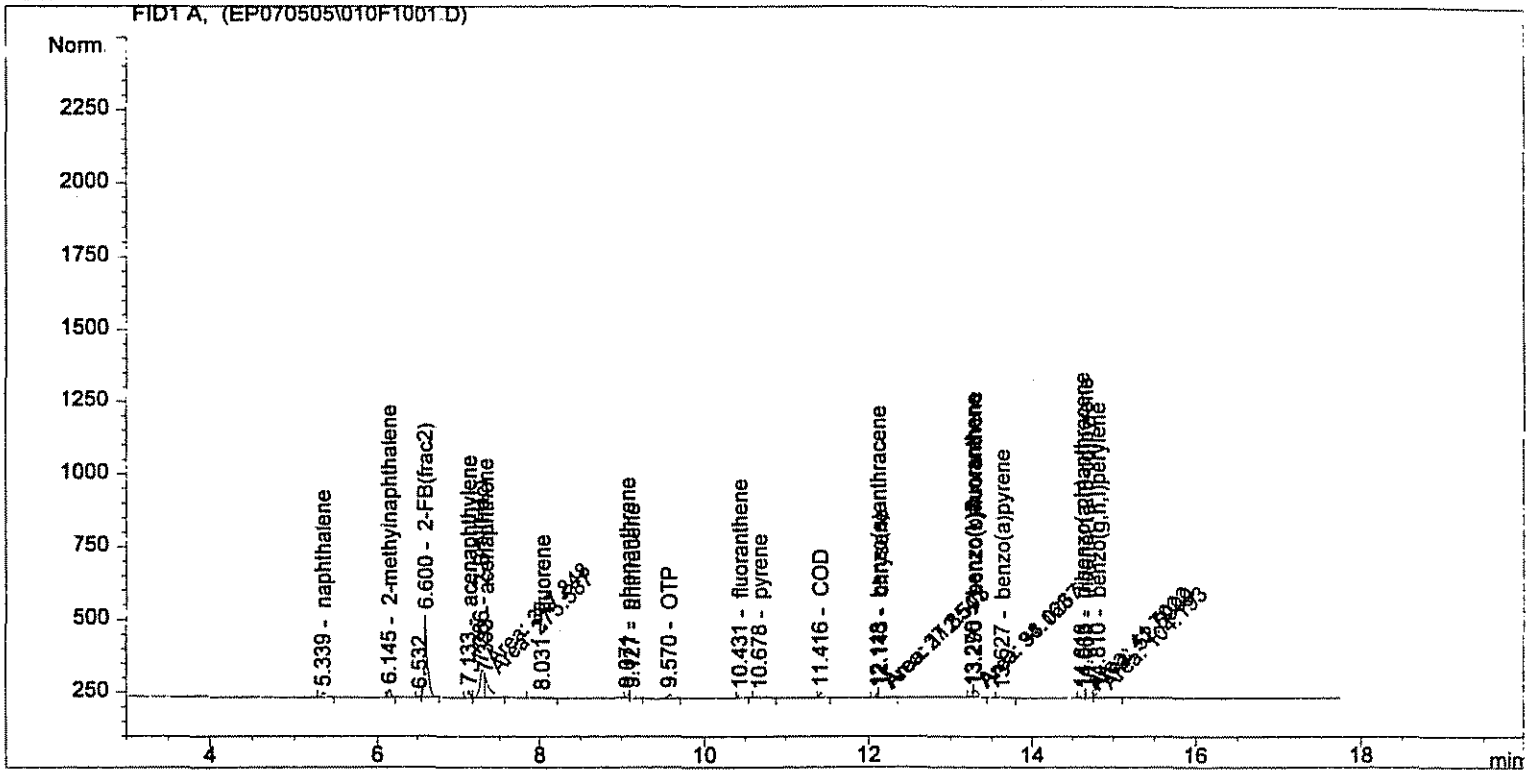
==========

*** End of Report ***

Injection Date : 7/5/2005 9:19:15 PM
Sample Name : R 1 ical
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 : 7/6/2005 8:27:20 AM by DCS
(modified after loading)

Seq. Line : 10
Location : Vial 10
Inj : 1
Inj Volume : 10 µl

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

*** End of Report ***

EPH CVS Raw Data

```
Injection Date  : 7/6/2005 8:23:58 PM          Seq. Line :  23
Sample Name     : K 20 ccal                     Location : Vial 23
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    : 7/7/2005 9:10:18 AM by DCS
                  (modified after loading)
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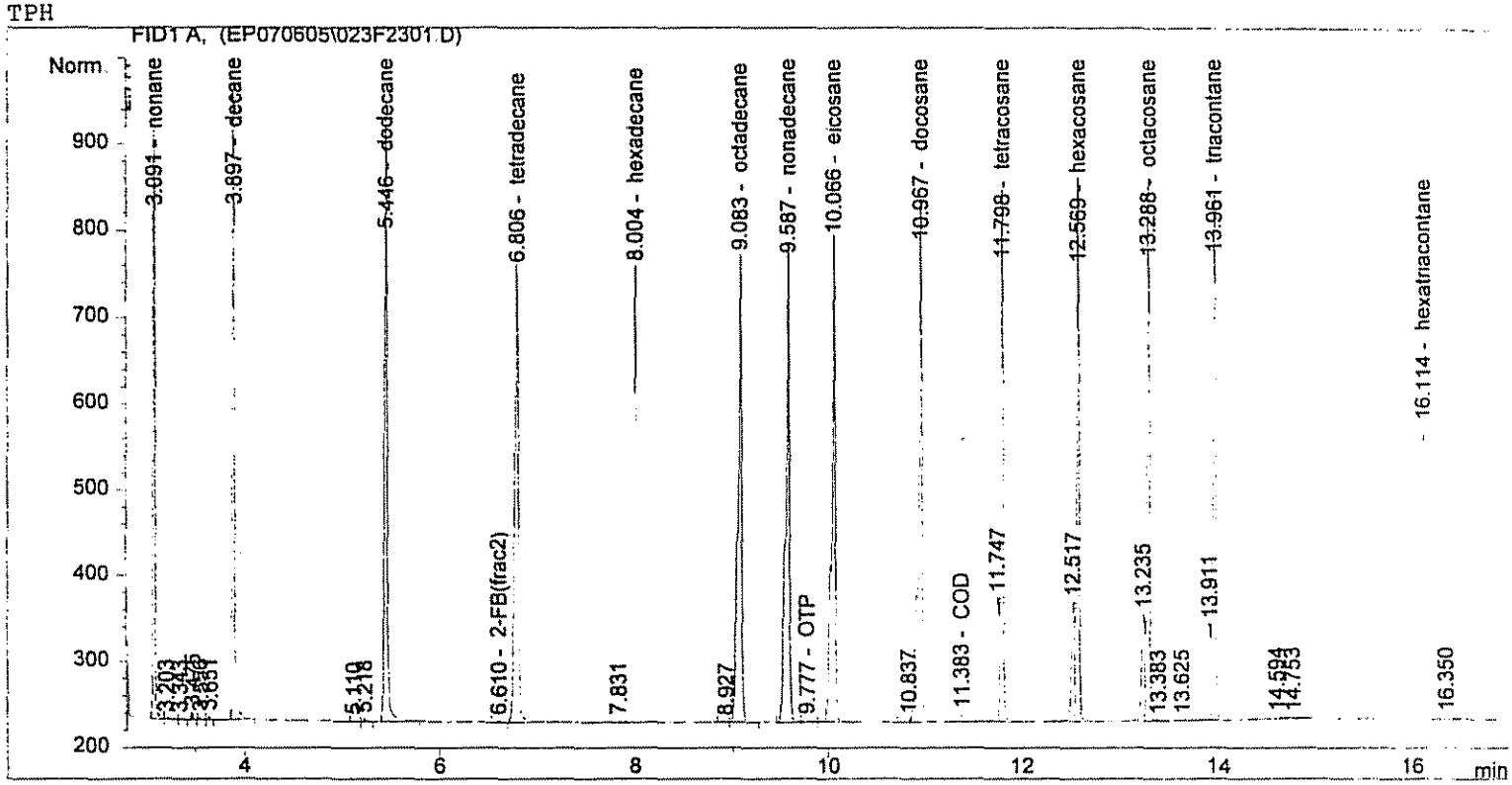
TPH



Area Percent Report

```
Sorted By              :      Signal
Calib. Data Modified   :      7/7/2005 9:10:09 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	3.091	VV	0.0159	1338.34924	0.00161	nonane
2	3.897	BB	0.0181	1325.25708	0.00160	decane
3	5.446	BB	0.0272	1355.00867	0.00163	dodecane
4	6.610	VP	0.0411	6.49828	7.825e-6	2-FB(frac2)
5	6.806	BB	0.0349	1351.99475	0.00163	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	8.004	VB	0.0350	1361.18237	0.00164	hexadecane
8	9.083	VB	0.0344	1369.75208	0.00165	octadecane
9	9.587	VV	0.0355	1384.82239	0.00167	nonadecane
10	9.777	VP	0.0457	7.13901	8.597e-6	OTP
11	10.066	VB	0.0335	1369.85400	0.00165	eicosane
12	10.967	VB	0.0313	1363.49670	0.00164	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.383	BP	0.0311	18.69856	2.252e-5	COD
14	11.798	VB	0.0249	1050.07996	0.00126	tetracosane
15	12.569	VB	0.0270	1072.97803	0.00129	hexacosane
16	13.288	VV	0.0251	1079.83594	0.00130	octacosane
17	13.961	VB	0.0269	1092.43579	0.00132	triacontane
18	16.114	VV	0.0562	1327.83191	0.00160	hexatriacontane

Totals : 1.78752e4 2.152e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.544	VV	0.0213	61.00306	7.346e-5	?
2	0.591	VV	0.0175	54.49518	6.562e-5	?
3	1.812	VV S	0.7128	8.20605e7	98.81398	?
4	1.878	VV S	0.0174	8.04121e5	0.96829	?
5	1.938	VV S	0.0272	9452.61035	0.01138	?
6	1.981	VV S	0.0396	1.39334e4	0.01678	?
7	2.021	VV S	0.0294	9590.35547	0.01155	?
8	2.073	VV S	0.0694	1.86948e4	0.02251	?
9	2.134	VV S	0.0338	8462.02148	0.01019	?
10	2.179	VV S	0.0387	1.20447e4	0.01450	?
11	2.236	VV S	0.0362	1.03594e4	0.01247	?
12	2.274	VV S	0.0280	7327.97266	0.00882	?
13	2.310	VV S	0.0363	8615.53223	0.01037	?
14	2.352	VV S	0.0232	6133.94336	0.00739	?
15	2.397	VV S	0.0397	7238.80176	0.00872	?
16	2.431	VV S	0.0460	1.04525e4	0.01259	?
17	2.536	VV S	0.1702	2.94917e4	0.03551	?
18	2.668	VV S	0.0229	3094.33398	0.00373	?
19	2.706	VV S	0.0371	3416.43506	0.00411	?
20	2.742	VV S	0.0297	2059.47900	0.00248	?
21	2.777	VBAS	0.0207	1151.35339	0.00139	?
22	3.203	VV	0.0538	10.14968	1.222e-5	?
23	3.343	VB	0.0263	2.78770	3.357e-6	?
24	3.475	BB	0.0164	9.21957	1.110e-5	?
25	3.556	BV	0.0260	5.13918	6.188e-6	?
26	3.651	VP	0.0173	4.72511	5.690e-6	?
27	5.110	VV	0.0297	2.55034	3.071e-6	?
28	5.218	VP	0.0269	6.26105	7.539e-6	?
29	7.831	VP	0.0428	8.32891	1.003e-5	?
30	8.927	VP	0.0356	2.54751	3.068e-6	?
31	10.837	VV	0.0342	7.16935	8.633e-6	?
32	11.747	BV	0.0321	323.04654	0.00039	?
33	12.517	BV	0.0298	296.80466	0.00036	?
34	13.235	VV	0.0338	286.95248	0.00035	?
35	13.383	VB	0.0425	3.91346	4.712e-6	?
36	13.625	BP	0.0322	2.76396	3.328e-6	?
37	13.911	BV	0.0364	271.59796	0.00033	?
38	14.594	VV	0.1068	21.02712	2.532e-5	?
39	14.753	VB	0.1536	19.26037	2.319e-5	?
40	16.350	VP	0.0780	14.22781	1.713e-5	?
41	17.156	VB	0.0767	7.82807	9.426e-6	?

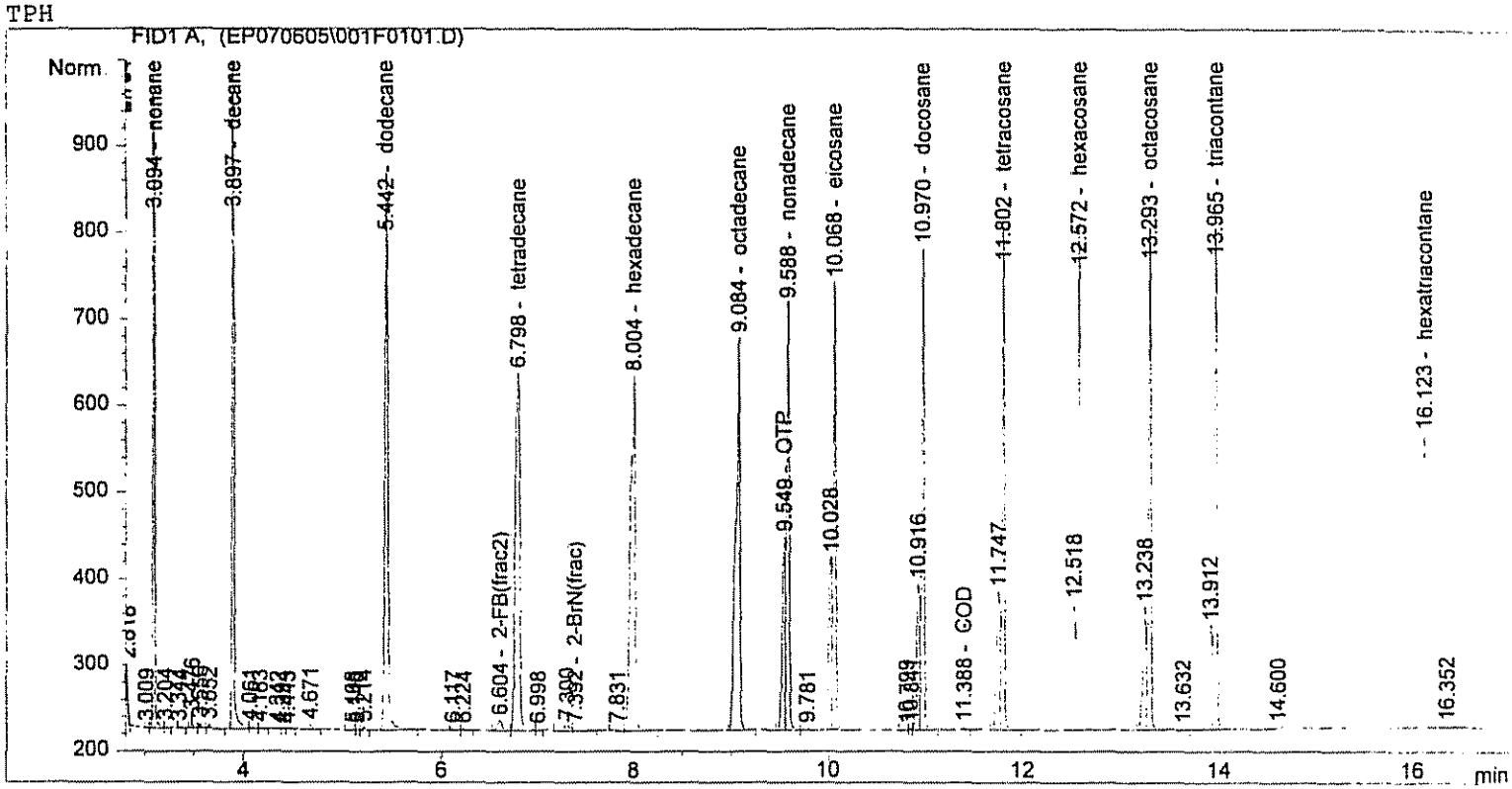
Uncalib. totals : 8.30276e7 99.9785

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

Injection Date	: 7/6/2005 7:43:59 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	: 7/6/2005 8:32:31 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	7/6/2005 8:32:31 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	3.094	VV	0.0157	1345.01257	0.00165	nonane
2	3.897	VV	0.0176	1348.04272	0.00166	decane
3	5.442	VB	0.0338	1367.57837	0.00168	dodecane
4	6.604	VV	0.0546	44.24055	5.442e-5	2-FB(frac2)
5	6.798	VV	0.0475	1364.84570	0.00168	tetradecane
6	7.392	VB	0.0705	17.64309	2.170e-5	2-BrN(frac)
7	8.004	VB	0.0449	1369.10876	0.00168	hexadecane
8	9.084	VB	0.0402	1367.71997	0.00168	octadecane
9	9.549	VV	0.0330	500.28665	0.00062	OTP
10	9.588	VV	0.0270	887.44409	0.00109	nonadecane
11	10.068	VB	0.0250	889.49066	0.00109	eicosane
12	10.970	VB	0.0256	935.76202	0.00115	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.388	VP	0.0254	4.46999	5.499e-6	COD
14	11.802	VB	0.0249	952.34515	0.00117	tetracosane
15	12.572	VB	0.0256	978.17719	0.00120	hexacosane
16	13.293	VV	0.0278	1016.28052	0.00125	octacosane
17	13.965	VB	0.0267	1030.33350	0.00127	triacontane
18	16.123	BV	0.0544	1319.58716	0.00162	hexatriacontane

Totals : 1.67384e4 2.059e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.543	VV	0.0208	116.25525	0.00014	?
2	0.590	VV	0.0221	44.39879	5.462e-5	?
3	0.666	VV S	0.0126	1.07095e5	0.13175	?
4	1.777	VV S	0.7024	8.02265e7	98.69307	?
5	1.887	VV S	0.0169	7.87250e5	0.96846	?
6	1.937	VV S	0.0424	1.23766e4	0.01523	?
7	1.979	VV S	0.0348	1.12192e4	0.01380	?
8	2.032	VV S	0.0331	1.12318e4	0.01382	?
9	2.074	VV S	0.0293	7903.79443	0.00972	?
10	2.098	VV S	0.0695	1.63488e4	0.02011	?
11	2.194	VV S	0.0363	9551.08496	0.01175	?
12	2.236	VV S	0.0332	7998.17285	0.00984	?
13	2.272	VV S	0.0374	8930.07813	0.01099	?
14	2.321	VV S	0.0769	1.41883e4	0.01745	?
15	2.401	VV S	0.0290	6031.68018	0.00742	?
16	2.427	VV S	0.0201	3915.88232	0.00482	?
17	2.461	VV S	0.0365	5894.62451	0.00725	?
18	2.505	VV S	0.0534	9000.89746	0.01107	?
19	2.560	VV S	0.0286	5826.55713	0.00717	?
20	2.597	VV S	0.0453	6953.10449	0.00855	?
21	2.648	VV S	0.0462	5441.92041	0.00669	?
22	2.703	VV S	0.0370	3209.81494	0.00395	?
23	2.756	VV S	0.0261	1741.05469	0.00214	?
24	2.784	VBAS	0.0170	809.68005	0.00100	?
25	2.818	BP	6.93e-3	11.47698	1.412e-5	?
26	3.009	VV	0.0197	2.21426	2.724e-6	?
27	3.204	VV	0.0365	6.11500	7.523e-6	?
28	3.344	VB	0.0232	2.19418	2.699e-6	?
29	3.476	VV	0.0163	15.02349	1.848e-5	?
30	3.556	VV	0.0217	7.75584	9.541e-6	?
31	3.652	VP	0.0186	4.99043	6.139e-6	?
32	4.061	VV	0.0486	9.92648	1.221e-5	?
33	4.163	VV	0.0495	5.86379	7.214e-6	?
34	4.342	VV	0.0386	3.69028	4.540e-6	?
35	4.394	VV	0.0271	2.52686	3.109e-6	?
36	4.443	VV	0.0380	3.01648	3.711e-6	?
37	4.671	VV	0.0341	13.08524	1.610e-5	?
38	5.108	VV	0.0361	4.73458	5.824e-6	?
39	5.146	VV	0.0279	2.27105	2.794e-6	?
40	5.214	VP	0.0315	7.42955	9.140e-6	?
41	6.117	VP	0.0355	5.34567	6.576e-6	?
42	6.224	VB	0.0293	3.92317	4.826e-6	?
43	6.998	VV	0.0392	4.89938	6.027e-6	?
44	7.300	BV	0.0660	30.63746	3.769e-5	?
45	7.831	VP	0.0497	7.65366	9.415e-6	?
46	9.781	VP	0.0491	7.13849	8.782e-6	?
47	10.028	VV	0.0360	479.09344	0.00059	?
48	10.799	VV	0.0426	3.46788	4.266e-6	?
49	10.841	VV	0.0250	4.71702	5.803e-6	?
50	10.916	VV	0.0352	426.56540	0.00052	?
51	11.747	VV	0.0368	408.96387	0.00050	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
52	12.518	VV	0.0388	388.05026	0.00048	?
53	13.238	VV	0.0332	344.70297	0.00042	?
54	13.632	BB	0.0401	4.09873	5.042e-6	?
55	13.912	BV	0.0409	329.99344	0.00041	?
56	14.600	VV	0.0650	7.42204	9.130e-6	?
57	16.352	VB	0.0940	10.73645	1.321e-5	?

Uncalib. totals : 8.12721e7 99.9794

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

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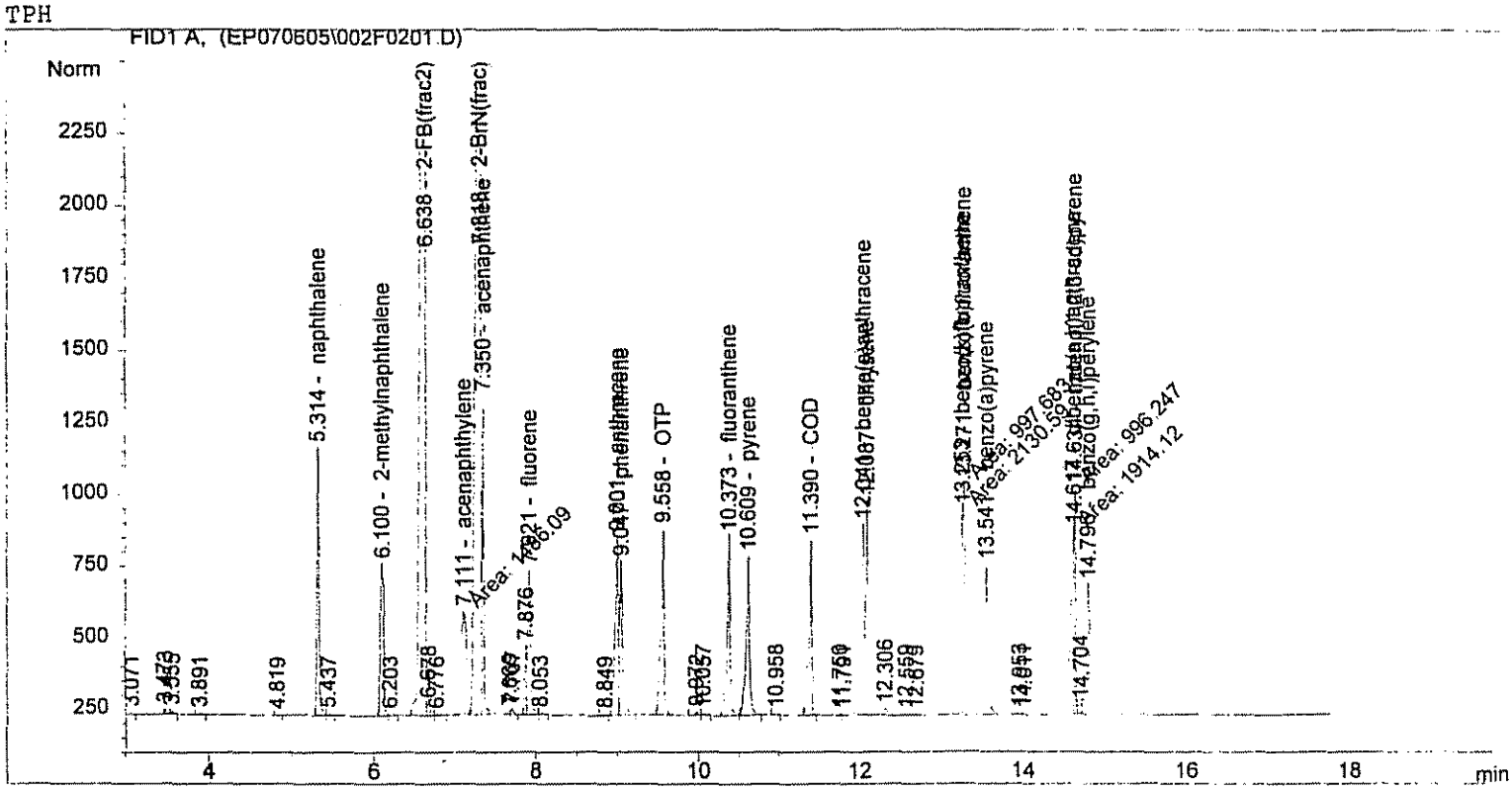
*** End of Report ***

Injection Date	: 7/6/2005 8:10:22 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	: 7/6/2005 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	5.314	BV	0.0259	1592.67725	0.00204	naphthalene
2	6.100	BV	0.0433	1518.73828	0.00195	2-methylnaphthalene
3	6.638	BV	0.0500	1.73529e4	0.02223	2-FB(frac2)
4	7.111	MM	0.0690	1486.09412	0.00190	acenaphthylene
5	7.318	VV	0.0509	1.21564e4	0.01557	2-BrN(frac)
6	7.350	VB	0.0174	1362.25244	0.00175	acenaphthene
7	7.921	VV	0.0320	1134.80115	0.00145	fluorene
8	9.001	VV	0.0366	1687.74377	0.00216	anthracene
9	9.047	VB	0.0345	1307.53699	0.00167	phenanthrene
10	9.558	BB	0.0350	1678.89856	0.00215	OTP
11	10.373	BB	0.0333	1511.13574	0.00194	fluoranthene
12	10.609	BB	0.0382	1580.76746	0.00202	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.390	BP	0.0336	1453.24597	0.00186	COD
14	12.041	BV	0.0339	1706.27734	0.00219	benzo(a)anthracene
15	12.087	VB	0.0249	1336.81384	0.00171	chrysene
16	13.253	MF	0.0495	2130.59448	0.00273	benzo(k)fluoranthene
17	13.271	FM	0.0206	997.68268	0.00128	benzo(b)fluoranthene
18	13.541	VB	0.0413	1493.23169	0.00191	benzo(a)pyrene
19	14.617	MF	0.0497	1914.11548	0.00245	dibenzo(a,h)anthracene
20	14.634	FM	0.0211	996.24707	0.00128	indeno(1,2,3-cd)pyrene
21	14.796	VB	0.0482	1520.93640	0.00195	benzo(g,h,i)perylene

Totals : 5.79191e4 7.420e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.570	PV S	0.0143	1538.90051	0.00197	?
2	0.682	VV S	0.0377	6.91327e5	0.88560	?
3	1.725	VV S	0.6665	7.64012e7	97.87089	?
4	1.844	VV S	0.0163	7.57697e5	0.97062	?
5	1.895	VV S	0.0233	7771.52002	0.00996	?
6	1.935	VV S	0.0554	1.76072e4	0.02256	?
7	1.995	VV S	0.0444	1.06823e4	0.01368	?
8	2.044	VV S	0.0330	9706.96582	0.01243	?
9	2.085	VV S	0.0406	1.07298e4	0.01374	?
10	2.133	VV S	0.0328	8737.23535	0.01119	?
11	2.194	VV S	0.0594	1.34059e4	0.01717	?
12	2.248	VV S	0.0294	7436.27637	0.00953	?
13	2.293	VV S	0.0354	7969.00244	0.01021	?
14	2.335	VV S	0.0325	6582.38330	0.00843	?
15	2.384	VV S	0.0618	1.04128e4	0.01334	?
16	2.444	VV S	0.0505	8760.94727	0.01122	?
17	2.504	VV S	0.0456	8211.59863	0.01052	?
18	2.543	VV S	0.0674	1.01608e4	0.01302	?
19	2.629	VV S	0.0522	8754.58105	0.01121	?
20	2.701	VV S	0.0285	2321.17310	0.00297	?
21	2.745	VV S	0.0346	2236.31226	0.00286	?
22	2.782	VB S	0.0214	1039.98926	0.00133	?
23	2.817	BB X	0.0145	47.67542	6.107e-5	?
24	3.071	BB	0.0230	11.22005	1.437e-5	?
25	3.473	PV	0.0207	28.11362	3.601e-5	?
26	3.555	VP	0.0243	16.23800	2.080e-5	?
27	3.891	BB	0.0331	13.49890	1.729e-5	?
28	4.819	PB	0.0290	2.03286	2.604e-6	?
29	5.437	VB	0.0422	20.53551	2.631e-5	?
30	6.203	VB	0.0474	21.79321	2.792e-5	?
31	6.678	VV	0.0360	104.13439	0.00013	?
32	6.776	VB	0.0596	23.28303	2.983e-5	?
33	7.669	PV	0.0259	19.42607	2.489e-5	?
34	7.707	VB	0.0277	38.57257	4.941e-5	?
35	7.876	BV	0.0246	385.62460	0.00049	?
36	8.053	VB	0.0417	26.81706	3.435e-5	?
37	8.849	BP	0.0382	15.30149	1.960e-5	?
38	9.972	BV	0.0343	27.84077	3.566e-5	?
39	10.057	VB	0.0440	16.54257	2.119e-5	?
40	10.958	BP	0.0283	10.03836	1.286e-5	?
41	11.750	BV	0.0265	12.61433	1.616e-5	?
42	11.791	VB	0.0264	7.42128	9.507e-6	?
43	12.306	BB	0.0451	71.84111	9.203e-5	?
44	12.559	BV	0.0299	10.20104	1.307e-5	?
45	12.679	VP	0.0397	5.60559	7.181e-6	?
46	13.953	BP	0.0244	7.87502	1.009e-5	?
47	14.011	VP	0.0245	2.88115	3.691e-6	?
48	14.704	VV	0.0402	93.47021	0.00012	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
Uncalib. totals :				7.80053e7	99.9258	

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 ***

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==========================================================================
Injection Date  : 7/7/2005 7:18:19 PM          Seq. Line :  23
Sample Name     : K 20 ccal                     Location : Vial 23
Acq. Operator   : DCS                                Inj :  1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Acq. Method     : C:\HPCHEM\1\METHODS\EROEPH.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 2:31:27 PM by DCS
                  (modified after loading)
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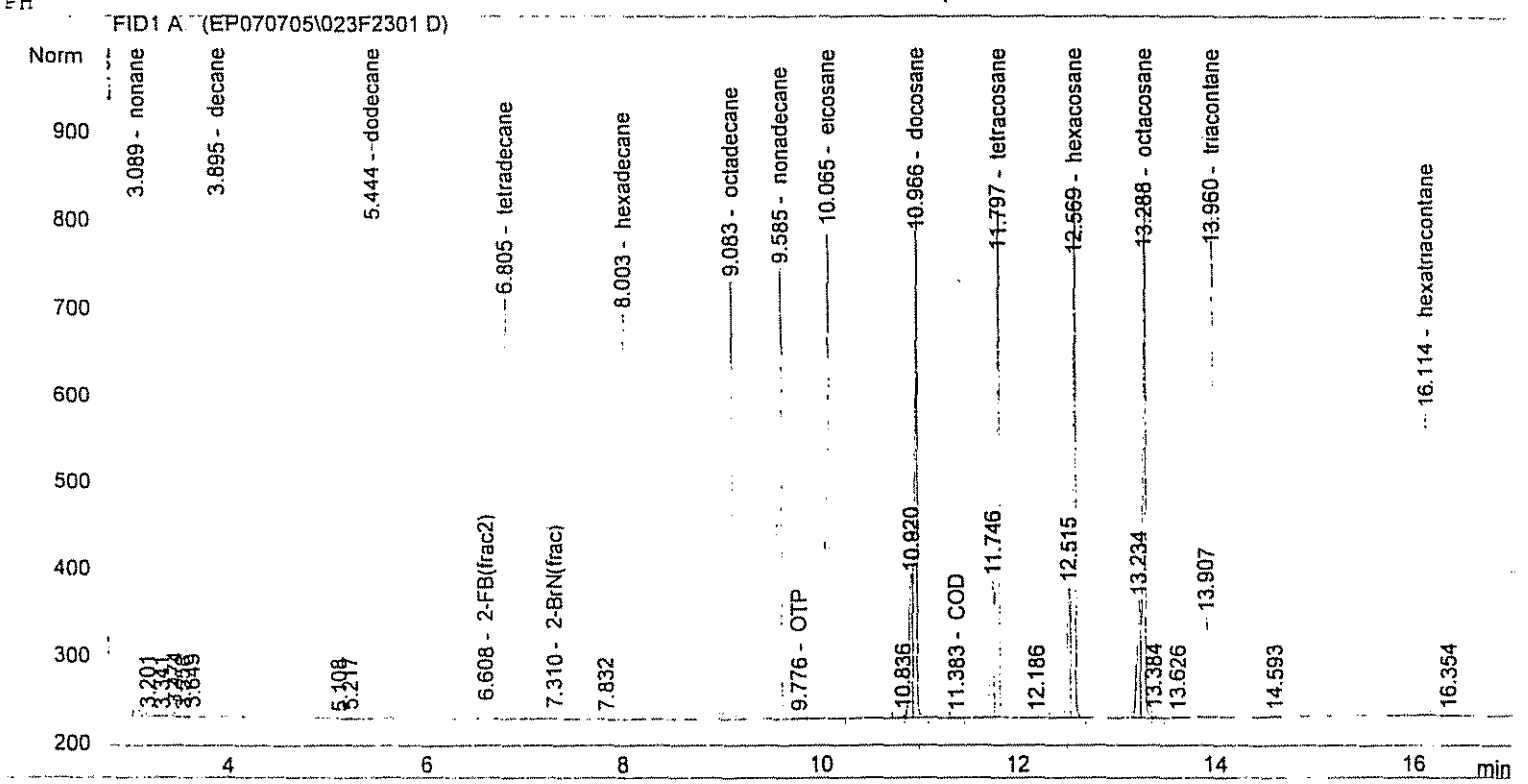
TPH

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==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/8/2005 2:31:18 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	3.089	VV	0.0173	1353.81140	0.00164	nonane
2	3.895	PB	0.0189	1353.28503	0.00164	decane
3	5.444	PB	0.0311	1362.05127	0.00165	dodecane
4	6.608	VV	0.0470	46.57780	5.633e-5	2-FB(frac2)
5	6.805	VB	0.0371	1367.24292	0.00165	tetradecane
6	7.310	BB	0.0734	27.20328	3.290e-5	2-BrN(frac)
7	8.003	VB	0.0404	1372.28088	0.00166	hexadecane
8	9.083	VV	0.0381	1381.92432	0.00167	octadecane
9	9.585	VV	0.0366	1396.54028	0.00169	nonadecane
10	9.776	VV	0.0500	7.98326	9.656e-6	OTP
11	10.065	VB	0.0339	1382.47021	0.00167	eicosane
12	10.966	VB	0.0253	1002.95923	0.00121	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.383	BP	0.0321	2.49224	3.014e-6	COD
14	11.797	VB	0.0273	1016.32080	0.00123	tetracosane
15	12.569	VB	0.0251	1041.56042	0.00126	hexacosane
16	13.288	VV	0.0265	1066.60486	0.00129	octacosane
17	13.960	VB	0.0286	1102.21582	0.00133	triacontane
18	16.114	BV	0.0546	1333.17932	0.00161	hexatriacontane

Totals : 1.76167e4 2.131e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.549	PV	0.0254	66.05215	7.989e-5	?
2	0.591	VV	0.0168	43.16915	5.221e-5	?
3	1.832	VV S	1.0080	8.25208e7	99.80685	?
4	1.926	PV T	0.0618	2.13293e4	0.02580	?
5	1.956	VV T	0.0225	6744.50391	0.00816	?
6	1.997	VV T	0.0366	1.01853e4	0.01232	?
7	2.076	VV T	0.0420	9028.55078	0.01092	?
8	2.118	VV T	0.0295	4226.59082	0.00511	?
9	2.160	VV T	0.0216	2633.54785	0.00319	?
10	2.200	VV S	0.0226	8362.01172	0.01011	?
11	2.252	VV S	0.0692	1.58272e4	0.01914	?
12	2.324	VV S	0.0431	9242.24707	0.01118	?
13	2.372	VV S	0.0347	7819.68262	0.00946	?
14	2.420	VV S	0.0325	7805.49268	0.00944	?
15	2.463	VV S	0.0263	5919.82568	0.00716	?
16	2.504	VV S	0.0270	5243.24561	0.00634	?
17	2.557	VV S	0.0419	8087.24463	0.00978	?
18	2.631	VV S	0.1108	1.52530e4	0.01845	?
19	2.762	VBAS	0.0448	2546.21118	0.00308	?
20	3.201	VV	0.0489	8.78242	1.062e-5	?
21	3.341	VB	0.0179	1.40081	1.694e-6	?
22	3.474	BV	0.0169	6.17820	7.472e-6	?
23	3.558	VV	0.0268	3.38086	4.089e-6	?
24	3.649	VP	0.0166	4.41436	5.339e-6	?
25	5.108	VV	0.0435	4.10387	4.964e-6	?
26	5.217	VP	0.0269	6.53764	7.907e-6	?
27	7.832	VP	0.0407	7.21795	8.730e-6	?
28	10.836	VV	0.0389	9.52131	1.152e-5	?
29	10.920	VV	0.0359	368.89053	0.00045	?
30	11.746	VV	0.0339	358.41248	0.00043	?
31	12.186	PP	0.0283	1.94708	2.355e-6	?
32	12.515	BV	0.0345	337.85159	0.00041	?
33	13.234	VV	0.0310	307.65247	0.00037	?
34	13.384	VP	0.0314	6.54703	7.918e-6	?
35	13.626	VP	0.0302	2.85031	3.447e-6	?
36	13.907	VV	0.0347	268.80441	0.00033	?
37	14.593	VV	0.0587	5.97699	7.229e-6	?
38	16.354	VP	0.0824	8.98099	1.086e-5	?

Uncalib. totals : 8.26629e7 99.9787

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***

```
==========================================================================
Injection Date  : 7/7/2005 7:45:40 PM          Seq. Line :  24
Sample Name     : R 20 ccal                     Location : Vial 24
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 2:30:42 PM by DCS
                  (modified after loading)
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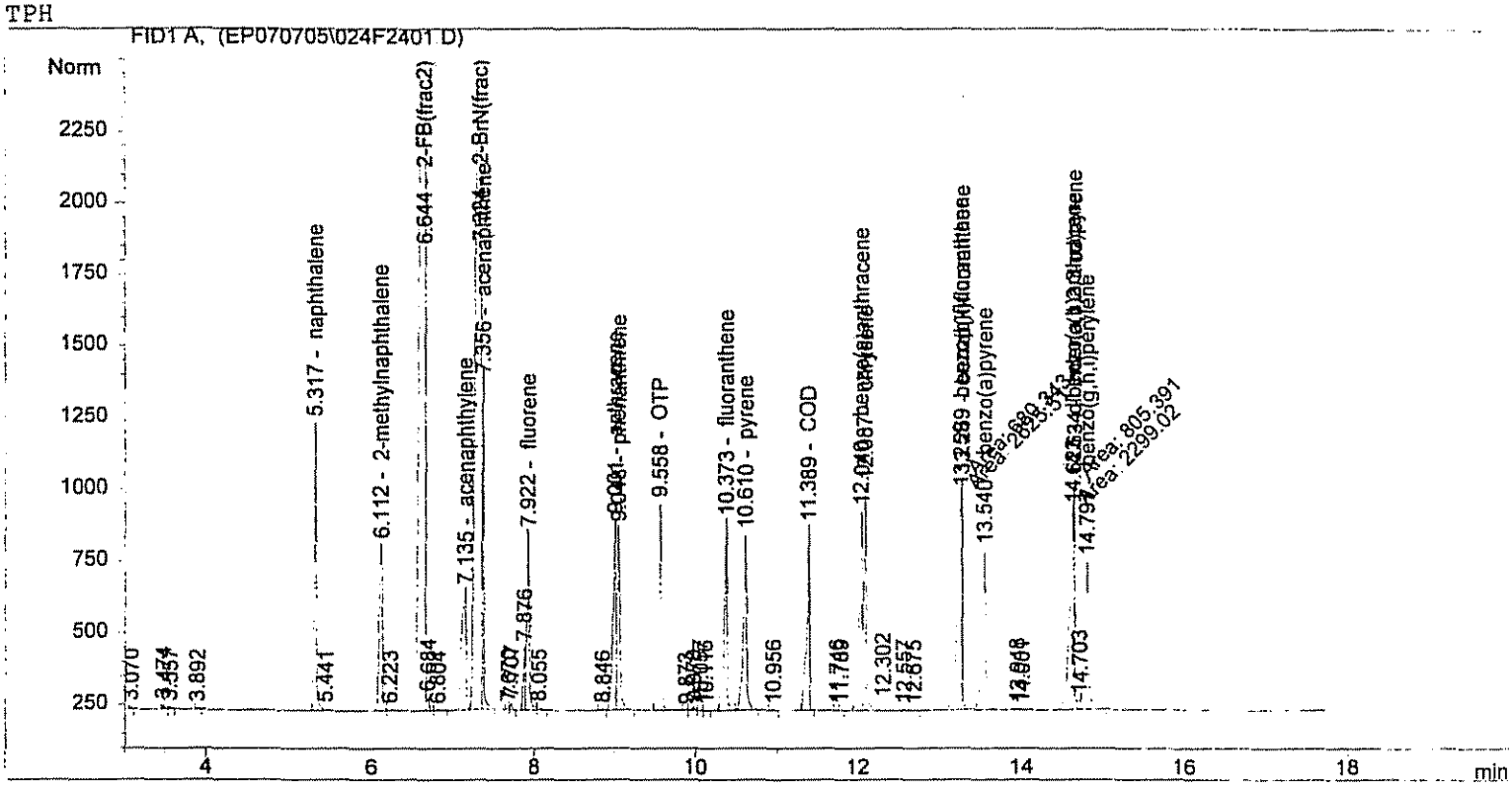
TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/8/2005 2:30:42 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   5.317 BV     0.0265 1672.67590  0.00211 naphthalene
   2   6.112 BV     0.0382 1598.17493  0.00202 2-methylnaphthalene
   3   6.644 BV     0.0486 1.82803e4   0.02309 2-FB(frac2)
   4   7.135 PV     0.0496 1595.55579  0.00201 acenaphthylene
   5   7.324 VV     0.0498 1.28646e4   0.01625 2-BrN(frac)
   6   7.356 VB     0.0180 1373.28357  0.00173 acenaphthene
   7   7.922 VV     0.0276 1246.28857  0.00157 fluorene
   8   9.001 VV     0.0358 1752.82849  0.00221 anthracene
   9   9.048 VB     0.0331 1423.12549  0.00180 phenanthrene
  10   9.558 PB     0.0337 1771.82593  0.00224 OTP
  11  10.373 BV     0.0333 1599.27637  0.00202 fluoranthene
  12  10.610 VB     0.0360 1677.36353  0.00212 pyrene
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.389	BP	0.0339	1530.10303	0.00193	COD
14	12.040	BV	0.0370	1844.40540	0.00233	benzo(a)anthracene
15	12.087	VB	0.0234	1371.54321	0.00173	chrysene
16	13.259	MF	0.0578	2625.51099	0.00332	benzo(b)fluoranthene
17	13.269	FM	0.0141	680.34320	0.00086	benzo(k)fluoranthene
18	13.540	BB	0.0400	1573.04553	0.00199	benzo(a)pyrene
19	14.623	MF	0.0548	2299.02466	0.00290	dibenzo(a,h)anthracene
20	14.634	FM	0.0169	805.39130	0.00102	indeno(1,2,3-cd)pyrene
21	14.797	VB	0.0413	1606.25146	0.00203	benzo(g,h,i)perylene

Totals : 6.11909e4 7.728e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.573	PV S	0.0153	2.08126e4	0.02628	?
2	0.605	VV S	0.0170	9.78529e4	0.12358	?
3	1.810	VP S	0.9695	7.88370e7	99.56165	?
4	1.902	VV S	0.0454	2.65883e4	0.03358	?
5	1.926	VV S	0.0176	5594.65430	0.00707	?
6	1.947	VV S	0.0243	6896.11719	0.00871	?
7	1.988	VV S	0.0446	1.32094e4	0.01668	?
8	2.036	VV S	0.0328	9537.03223	0.01204	?
9	2.082	VV S	0.0324	8927.99121	0.01127	?
10	2.114	VV S	0.0359	8936.45410	0.01129	?
11	2.170	VV S	0.0486	1.13479e4	0.01433	?
12	2.241	VV S	0.0463	1.17586e4	0.01485	?
13	2.281	VV S	0.0345	7515.67920	0.00949	?
14	2.325	VV S	0.0301	6900.07617	0.00871	?
15	2.372	VV S	0.0309	6210.90625	0.00784	?
16	2.410	VV S	0.0291	5707.19531	0.00721	?
17	2.450	VV S	0.0442	6876.15332	0.00868	?
18	2.506	VV S	0.0405	7387.95117	0.00933	?
19	2.556	VV S	0.0391	7035.97754	0.00889	?
20	2.604	VV S	0.0563	9743.75879	0.01231	?
21	2.681	VV S	0.0309	2426.77417	0.00306	?
22	2.723	VV S	0.0290	1838.99963	0.00232	?
23	2.759	VB S	0.0368	1844.15503	0.00233	?
24	2.921	PB	0.0184	1.56232	1.973e-6	?
25	3.070	PB	0.0187	8.86803	1.120e-5	?
26	3.474	PV	0.0227	25.50670	3.221e-5	?
27	3.557	VB	0.0276	14.50414	1.832e-5	?
28	3.892	BB	0.0292	10.78640	1.362e-5	?
29	5.441	VB	0.0396	22.83255	2.883e-5	?
30	6.223	VB	0.0485	23.92808	3.022e-5	?
31	6.684	VV	0.0297	103.87234	0.00013	?
32	6.804	VB	0.0589	26.87730	3.394e-5	?
33	7.670	PV	0.0243	17.06121	2.155e-5	?
34	7.707	VB	0.0254	43.17740	5.453e-5	?
35	7.876	BV	0.0248	354.32071	0.00045	?
36	8.055	VB	0.0426	30.68568	3.875e-5	?
37	8.846	BP	0.0321	15.72304	1.986e-5	?
38	9.873	PV	0.0258	4.04284	5.106e-6	?
39	9.970	VV	0.0320	25.60590	3.234e-5	?
40	10.057	VV	0.0345	13.92684	1.759e-5	?
41	10.116	VB	0.0309	4.73446	5.979e-6	?
42	10.956	BP	0.0287	10.10165	1.276e-5	?
43	11.746	BV	0.0288	13.40526	1.693e-5	?
44	11.789	VB	0.0249	7.73666	9.770e-6	?
45	12.302	BB	0.0421	75.88124	9.583e-5	?
46	12.557	BB	0.0311	11.02392	1.392e-5	?
47	12.675	BP	0.0293	4.54328	5.738e-6	?
48	13.948	BV	0.0283	10.14839	1.282e-5	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
49	14.001	VP	0.0256	2.50563	3.164e-6	?
50	14.703	VV	0.0331	82.19182	0.00010	?

Uncalib. totals : 7.91229e7 99.9227

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   : 7/7/2005 9:19:31 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     : 7/7/2005 11:05:20 AM by DCS
                   (modified after loading)
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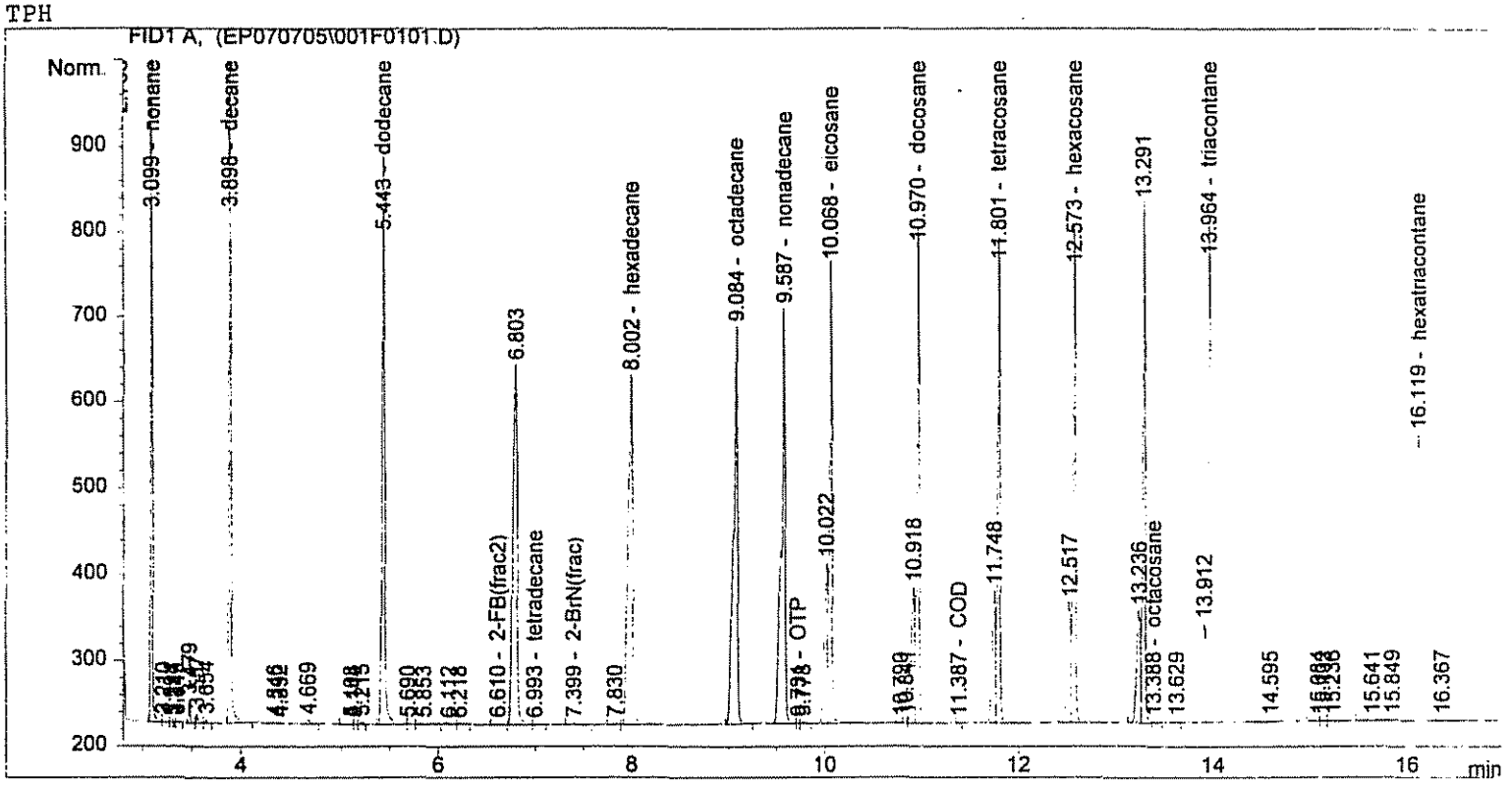
TPH



Area Percent Report

```
Sorted By              :      Signal
Calib. Data Modified   :      7/7/2005 11:05:31 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	3.099	VV	0.0163	1316.57947	0.00160	nonane
2	3.898	VB	0.0187	1314.58923	0.00160	decane
3	5.443	VV	0.0300	1343.08728	0.00163	dodecane
4	6.610	VV	0.0450	6.67108	8.105e-6	2-FB(frac2)
5	6.993	VB	0.0408	3.93149	4.776e-6	tetradecane
6	7.399	PB	0.0730	9.74611	1.184e-5	2-BrN(frac)
7	8.002	VV	0.0448	1344.50891	0.00163	hexadecane
8	9.084	VB	0.0390	1345.09167	0.00163	octadecane
9	9.587	VV	0.0385	1346.20898	0.00164	nonadecane
10	9.731	VV	0.0293	2.00260	2.433e-6	OTP
11	10.068	VB	0.0255	940.60901	0.00114	eicosane
12	10.970	VB	0.0252	957.98663	0.00116	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.387	VV	0.0274	2.30036	2.795e-6	COD
14	11.801	VP	0.0257	957.15509	0.00116	tetracosane
15	12.573	VB	0.0261	977.61493	0.00119	hexacosane
16	13.388	VB	0.0307	3.53504	4.295e-6	octacosane
17	13.964	VB	0.0268	1036.58350	0.00126	triacontane
18	16.119	VB	0.0592	1320.37622	0.00160	hexatriacontane
Totals :				1.42286e4	1.729e-2	

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.546	VV	0.0216	197.52330	0.00024	?
2	0.592	VV	0.0221	74.91781	9.102e-5	?
3	0.696	VV S	0.0316	7.29797e5	0.88664	?
4	1.876	VV S	0.9900	8.06061e7	97.92957	?
5	1.901	VV S	0.0179	8.12588e5	0.98722	?
6	1.965	PV T	0.0579	2.33806e4	0.02841	?
7	2.002	VV T	0.0277	8945.98438	0.01087	?
8	2.054	VV T	0.0350	6436.77490	0.00782	?
9	2.113	VV S	0.0227	6909.66064	0.00839	?
10	2.160	VV S	0.0406	1.01668e4	0.01235	?
11	2.196	VV S	0.0387	9754.79883	0.01185	?
12	2.247	VV S	0.0390	1.04422e4	0.01269	?
13	2.298	VV S	0.0425	9211.47070	0.01119	?
14	2.349	VV S	0.0379	8531.20312	0.01036	?
15	2.394	VV S	0.0259	5608.95557	0.00681	?
16	2.431	VV S	0.0314	6601.04443	0.00802	?
17	2.476	VV S	0.0308	5956.68701	0.00724	?
18	2.517	VV S	0.0377	7311.36377	0.00888	?
19	2.574	VV S	0.0373	7006.23242	0.00851	?
20	2.598	VV S	0.0605	8176.94482	0.00993	?
21	2.660	VV S	0.0301	2970.76343	0.00361	?
22	2.705	VV S	0.0367	2808.47388	0.00341	?
23	2.768	VBAS	0.0350	2341.24048	0.00284	?
24	3.210	VV	0.0383	7.77062	9.441e-6	?
25	3.294	VV	0.0317	2.12856	2.586e-6	?
26	3.317	VV	0.0171	1.28565	1.562e-6	?
27	3.349	VP	0.0207	2.11850	2.574e-6	?
28	3.479	VV	0.0159	26.41900	3.210e-5	?
29	3.557	VV	0.0203	14.16345	1.721e-5	?
30	3.654	VP	0.0210	6.20794	7.542e-6	?
31	4.346	VV	0.0261	2.79145	3.391e-6	?
32	4.392	VV	0.0217	1.79812	2.185e-6	?
33	4.669	VV	0.0318	11.34466	1.378e-5	?
34	5.108	VV	0.0333	4.19140	5.092e-6	?
35	5.144	VV	0.0264	1.91846	2.331e-6	?
36	5.215	VP	0.0301	6.98766	8.489e-6	?
37	5.690	VV	0.0504	4.54876	5.526e-6	?
38	5.853	VV	0.1025	9.28258	1.128e-5	?
39	6.112	VV	0.0374	5.15944	6.268e-6	?
40	6.218	VB	0.0326	4.64680	5.645e-6	?
41	6.803	VV	0.0463	1333.26843	0.00162	?
42	7.830	VP	0.0462	6.93926	8.431e-6	?
43	9.778	VP	0.0317	3.94715	4.795e-6	?
44	10.022	BV	0.0306	408.78867	0.00050	?
45	10.790	VV	0.0401	3.42649	4.163e-6	?
46	10.841	VV	0.0246	4.89797	5.951e-6	?
47	10.918	VV	0.0344	384.63800	0.00047	?
48	11.748	VV	0.0344	389.04355	0.00047	?
49	12.517	VV	0.0389	369.24829	0.00045	?
50	13.236	VV	0.0390	345.32724	0.00042	?
51	13.291	VV	0.0252	999.18762	0.00121	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
52	13.629	BP	0.0316	3.10885	3.777e-6	?
53	13.912	VV	0.0399	305.16556	0.00037	?
54	14.595	VV	0.0786	9.38953	1.141e-5	?
55	15.084	BV	0.0797	6.94030	8.432e-6	?
56	15.132	VV	0.0488	4.69806	5.708e-6	?
57	15.236	VB	0.1117	12.06700	1.466e-5	?
58	15.641	VV	0.1087	10.70464	1.301e-5	?
59	15.849	VV	0.1102	9.21673	1.120e-5	?
60	16.367	BP	0.0782	10.58463	1.286e-5	?

Uncalib. totals : 8.22960e7 99.9827

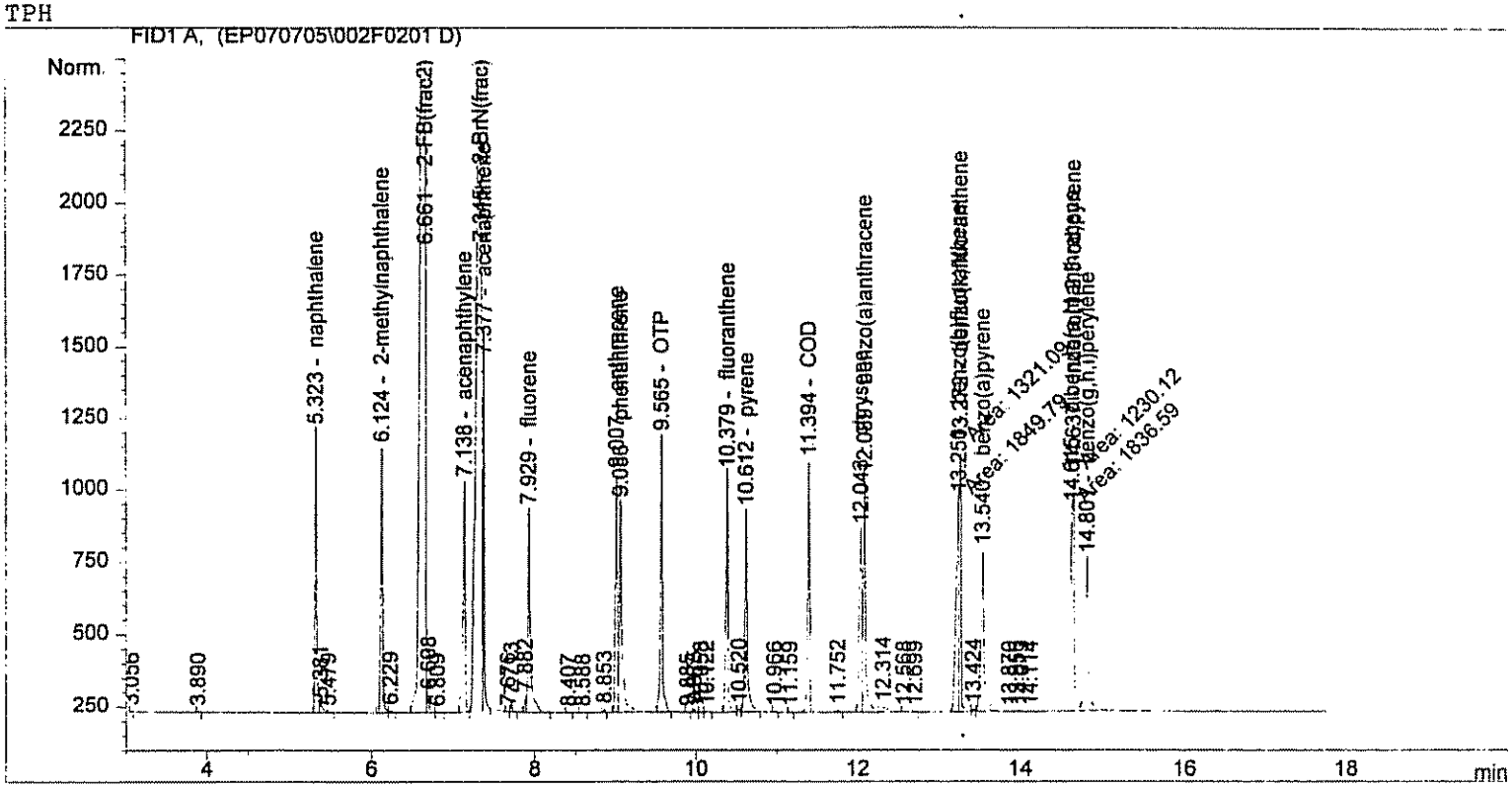
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

*** End of Report ***

Injection Date	: 7/7/2005 9:46:09 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	: 7/7/2005 11:04:37 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	7/7/2005 11:04:17 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	5.323	BV	0.0235	1471.29443	0.00196	naphthalene
2	6.124	BV	0.0241	1503.24109	0.00200	2-methylnaphthalene
3	6.661	BV	0.0506	1.72722e4	0.02296	2-FB(frac2)
4	7.138	BP	0.0283	1521.34253	0.00202	acenaphthylene
5	7.345	VV	0.0497	1.19807e4	0.01593	2-BrN(frac)
6	7.377	VB	0.0170	1358.59460	0.00181	acenaphthene
7	7.929	VB	0.0293	1459.58020	0.00194	fluorene
8	9.007	BV	0.0265	1378.92407	0.00183	anthracene
9	9.056	VB	0.0321	1618.78381	0.00215	phenanthrene
10	9.565	BB	0.0253	1669.88770	0.00222	OTP
11	10.379	BV	0.0270	1489.01099	0.00198	fluoranthene
12	10.612	VB	0.0301	1554.35742	0.00207	pyrene

```
==========================================================================
Injection Date  : 7/6/2005 8:51:18 PM          Seq. Line :  24
Sample Name     : R 20 ccal                     Location : Vial 24
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    : 7/7/2005 9:12:05 AM by DCS
                  (modified after loading)
TPH
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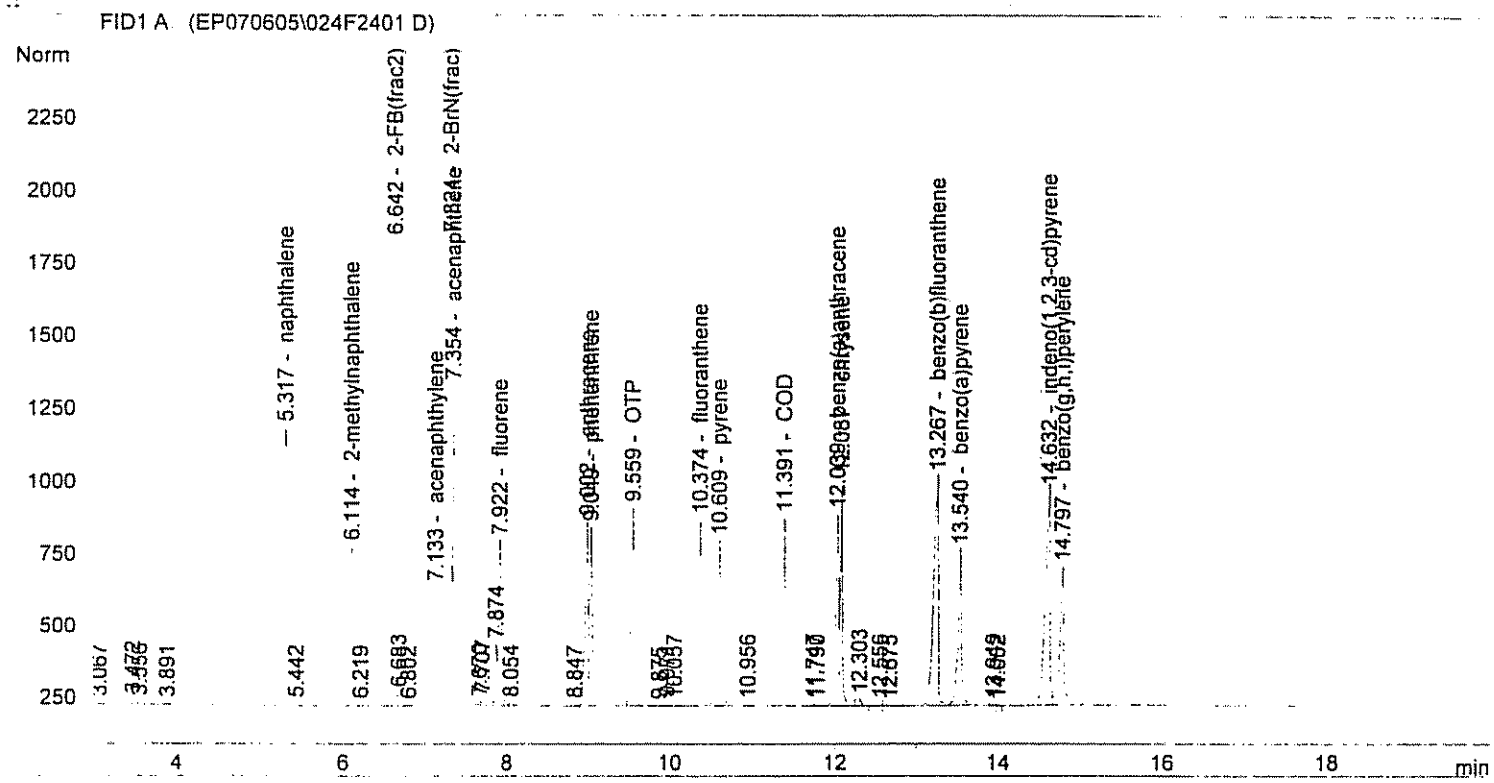



```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/7/2005 9:12:07 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	5.317	BV	0.0267	1628.74829	0.00207	naphthalene
2	6.114	BV	0.0386	1557.14111	0.00198	2-methylnaphthalene
3	6.642	BV	0.0507	1.78027e4	0.02265	2-FB(frac2)
4	7.133	PV	0.0498	1553.44385	0.00198	acenaphthylene
5	7.324	VV	0.0472	1.25182e4	0.01593	2-BrN(frac)
6	7.354	VB	0.0183	1349.45166	0.00172	acenaphthene
7	7.922	VV	0.0298	1219.56177	0.00155	fluorene
8	9.002	VV	0.0355	1674.57092	0.00213	anthracene
9	9.049	VB	0.0317	1425.63074	0.00181	phenanthrene
10	9.559	BB	0.0352	1728.38660	0.00220	OTP
11	10.374	BB	0.0329	1555.22156	0.00198	fluoranthene
12	10.609	BB	0.0390	1625.07288	0.00207	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
49	13.424	VV	0.0285	19.30441	2.567e-5	?
50	13.870	PB	0.0283	2.56476	3.410e-6	?
51	13.956	BP	0.0240	3.84622	5.114e-6	?
52	14.013	VB	0.0228	3.43682	4.569e-6	?
53	14.114	BP	0.0260	2.20115	2.927e-6	?

Uncalib. totals : 7.51552e7 99.9227

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

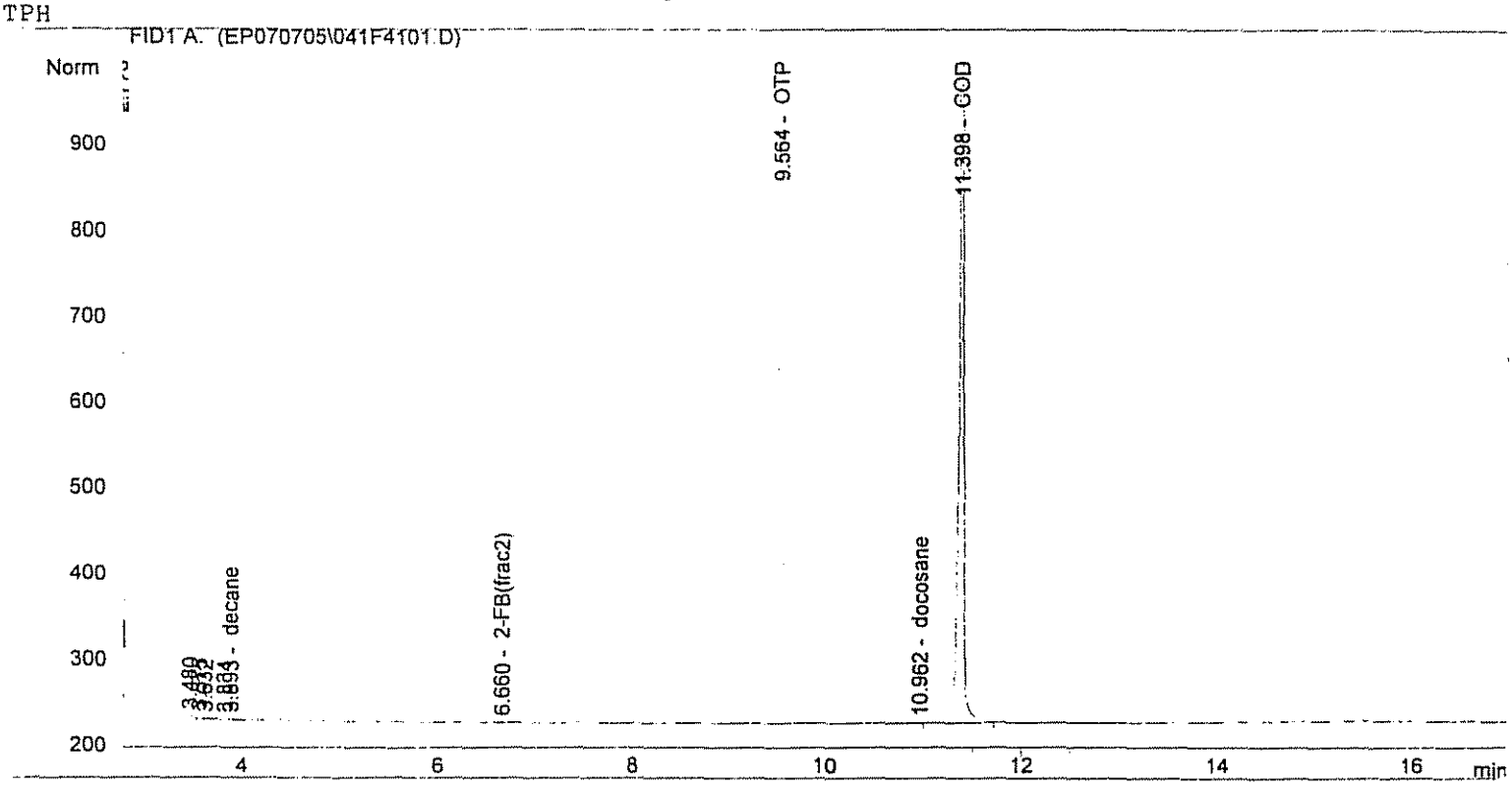
==========

*** End of Report ***

EPH QC, Blanks Raw Data

```
==========================================================================
Injection Date  : 7/8/2005 3:31:17 AM          Seq. Line :  41
Sample Name     : pb3167 x1 T                   Location : Vial 41
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 2:35:13 PM by DCS
                  (modified after loading)
```

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/8/2005 2:36:09 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	3.072		0.0000	0.00000	0.00000	nonane
2	3.893	VB	0.0452	6.02174	7.278e-6	decane
3	5.541		0.0000	0.00000	0.00000	dodecane
4	6.660	BB	0.0794	8.96346	1.083e-5	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	9.500		0.0000	0.00000	0.00000	nonadecane
10	9.564	PB	0.0371	3441.76953	0.00416	OTP
11	10.154		0.0000	0.00000	0.00000	eicosane
12	10.962	BV	0.0400	3.51467	4.248e-6	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.398	PV	0.0328	3015.38647	0.00364	COD
14	11.888		0.0000	0.00000	0.00000	tetracosane
15	12.658		0.0000	0.00000	0.00000	hexacosane
16	13.288		0.0000	0.00000	0.00000	octacosane
17	14.039		0.0000	0.00000	0.00000	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 6475.65587 7.827e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.570	PV S	0.0168	2876.11377	0.00348	?
2	0.600	VV S	0.0139	1.81122e4	0.02189	?
3	1.852	VV S	1.0021	8.17280e7	98.78251	?
4	1.888	VV S	0.0176	8.09283e5	0.97816	?
5	1.977	VV S	0.1424	4.45647e4	0.05386	?
6	2.045	VV S	0.0292	8567.58496	0.01036	?
7	2.091	VV S	0.0372	9174.06348	0.01109	?
8	2.124	VV S	0.0448	1.14182e4	0.01380	?
9	2.182	VV S	0.0536	1.38119e4	0.01669	?
10	2.258	VV S	0.0451	1.21364e4	0.01467	?
11	2.326	VV S	0.0913	1.85301e4	0.02240	?
12	2.419	VV S	0.0520	1.11992e4	0.01354	?
13	2.462	VV S	0.0228	4582.54248	0.00554	?
14	2.504	VV S	0.0507	9107.90234	0.01101	?
15	2.567	VV S	0.0672	1.23943e4	0.01498	?
16	2.640	VV S	0.0575	8040.92578	0.00972	?
17	2.695	VV S	0.0304	3141.26245	0.00380	?
18	2.734	VV S	0.0304	2567.16895	0.00310	?
19	2.778	VBAS	0.0197	1288.20190	0.00156	?
20	3.480	PV	0.0270	9.15973	1.107e-5	?
21	3.575	VV	0.0368	7.26842	8.785e-6	?
22	3.632	VP	0.0354	2.82636	3.416e-6	?
23	3.834	BV	0.0320	3.75208	4.535e-6	?

Uncalib. totals : 8.27288e7 99.9922

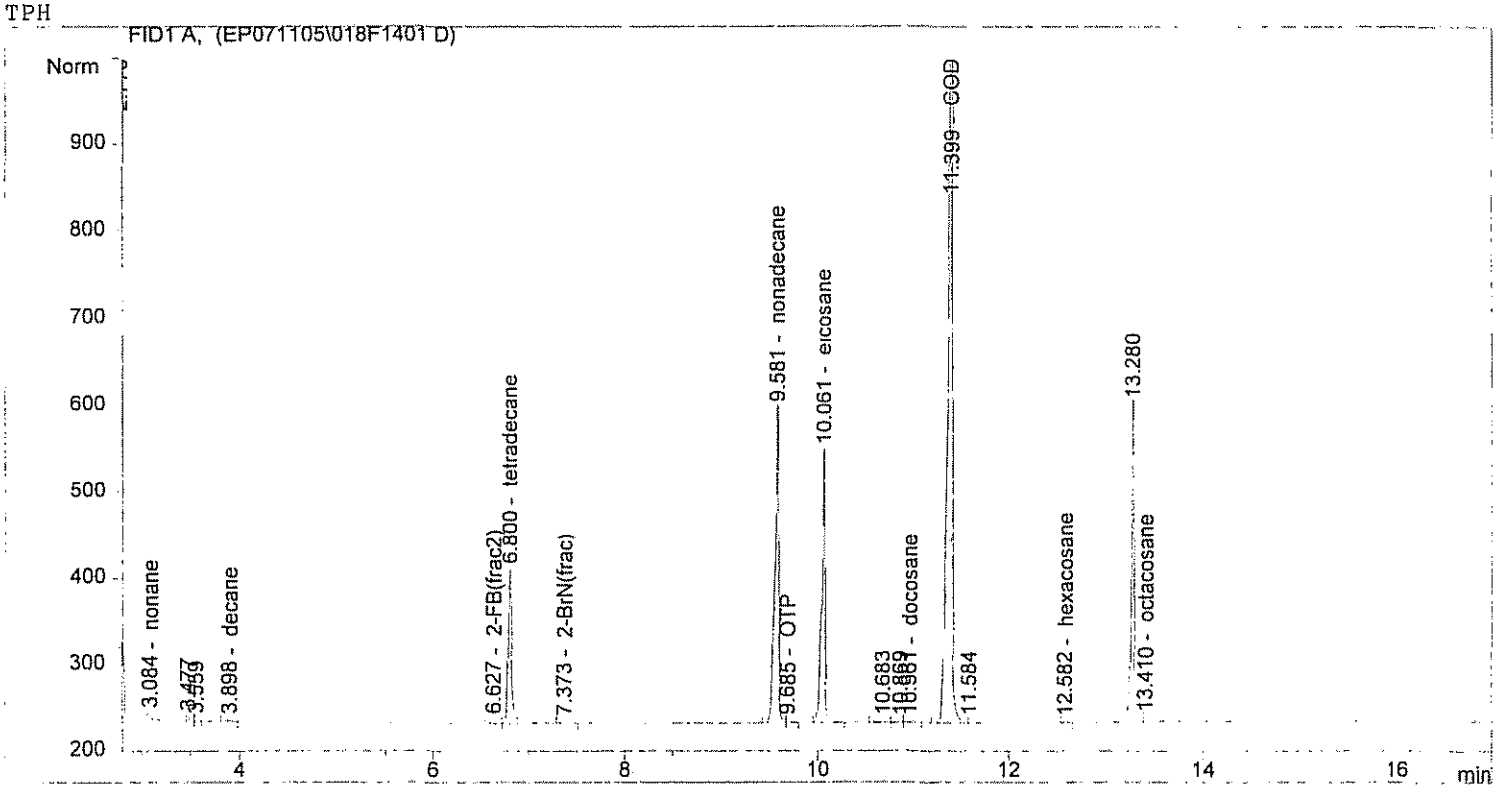
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

```
==========================================================================
Injection Date  : 7/11/2005 5:51:52 PM          Seq. Line :  14
Sample Name     : lcs3167 x1 K                   Location : Vial 18
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    : 7/14/2005 10:40:30 AM by DCS
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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   3.084 VB      0.0201    9.19377 1.114e-5 nonane
   2   3.898 VB      0.0318    3.68015 4.459e-6 decane
   3   5.541         0.0000    0.00000  0.00000 dodecane
   4   6.627 BV      0.0481   15.28680 1.852e-5 2-FB(frac2)
   5   6.800 VB      0.0447  513.37469  0.00062 tetradecane
   6   7.373 VV      0.0937   14.93418 1.810e-5 2-BrN(frac)
   7   8.095         0.0000    0.00000  0.00000 hexadecane
   8   9.172         0.0000    0.00000  0.00000 octadecane
   9   9.581 VV      0.0354  951.73987  0.00115 nonadecane
  10   9.685 VB      0.0391    5.86583 7.107e-6 OTP
  11  10.061 VB      0.0362  815.95038  0.00099 eicosane
  12  10.961 VP      0.0518    5.56053 6.737e-6 docosane
  13  11.399 PV      0.0348 3132.07837  0.00380 COD
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.888		0.0000	0.00000	0.00000	tetracosane
15	12.582	BB	0.0346	2.46585	2.988e-6	hexacosane
16	13.410	VB	0.0585	23.18036	2.809e-5	octacosane
17	14.039		0.0000	0.00000	0.00000	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 5493.31078 6.656e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.552	VV	0.0259	112.05741	0.00014	?
2	0.591	VV	0.0180	56.97322	6.903e-5	?
3	1.824	VV S	1.0052	8.15927e7	98.86282	?
4	1.884	VV S	0.0169	7.92168e5	0.95984	?
5	1.958	VV S	0.0434	1.23782e4	0.01500	?
6	2.017	VV S	0.0410	1.23323e4	0.01494	?
7	2.059	VV S	0.0320	8591.45410	0.01041	?
8	2.104	VV S	0.0386	1.02757e4	0.01245	?
9	2.148	VV S	0.0310	9510.41699	0.01152	?
10	2.197	VV S	0.0496	1.08257e4	0.01312	?
11	2.249	VV S	0.0470	1.06651e4	0.01292	?
12	2.309	VV S	0.0514	9756.91797	0.01182	?
13	2.357	VV S	0.0377	8766.58203	0.01062	?
14	2.415	VV S	0.0307	7836.76270	0.00950	?
15	2.462	VV S	0.0446	8275.52539	0.01003	?
16	2.510	VV S	0.0360	6761.01123	0.00819	?
17	2.562	VV S	0.0356	6466.12939	0.00783	?
18	2.598	VV S	0.0347	6357.31885	0.00770	?
19	2.646	VV S	0.0336	4974.87549	0.00603	?
20	2.685	VV S	0.0444	3138.60522	0.00380	?
21	2.743	VV S	0.0320	1743.68970	0.00211	?
22	2.775	VBAS	0.0233	1238.94910	0.00150	?
23	3.477	PV	0.0241	8.98172	1.088e-5	?
24	3.559	VV	0.0370	4.92210	5.964e-6	?
25	10.683	VV	0.0572	5.94326	7.201e-6	?
26	10.869	VV	0.0541	4.57717	5.546e-6	?
27	11.584	VV	0.0541	6.69153	8.108e-6	?
28	13.280	VV	0.0306	774.11853	0.00094	?

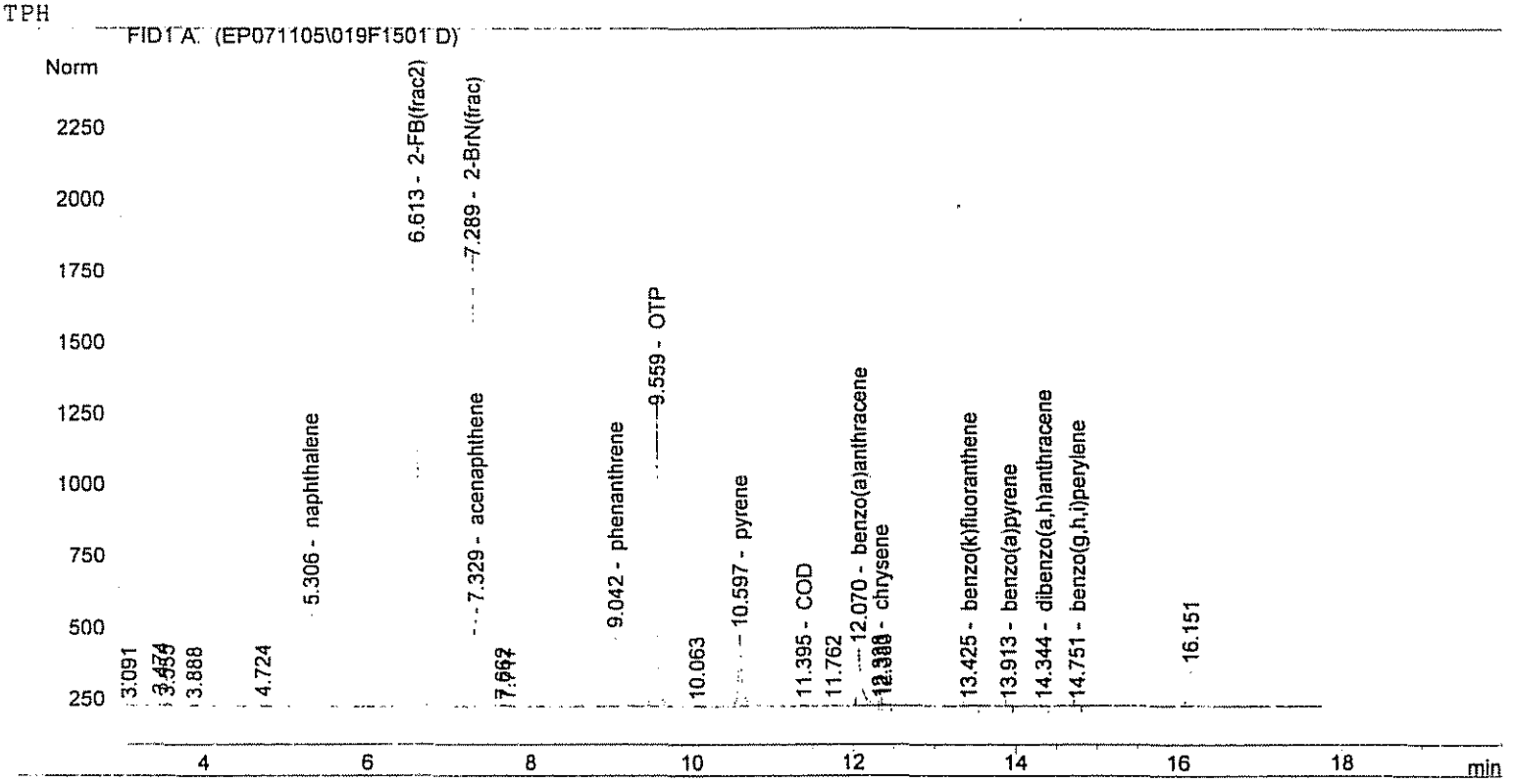
Uncalib. totals : 8.25257e7 99.9933

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  : 7/11/2005 6:19:17 PM          Seq. Line :  15
Sample Name     : lcs3167 x1 R                   Location : Vial 19
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\071105.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\EPH-R_F.M
Last changed    : 7/11/2005 3:10:06 PM by DCS
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/11/2005 3:08:31 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   5.306 PB     0.0261  570.51050  0.00069 naphthalene
   2   6.141        0.0000    0.00000  0.00000 2-methylnaphthalene
   3   6.613 PB     0.0444 7669.78564  0.00933 2-FB(frac2)
   4   7.158        0.0000    0.00000  0.00000 acenaphthylene
   5   7.289 BV     0.0440 5327.91309  0.00648 2-BrN(frac)
   6   7.329 VB     0.0312  772.79266  0.00094 acenaphthene
   7   8.000        0.0000    0.00000  0.00000 fluorene
   8   9.042 BB     0.0451  834.97046  0.00102 phenanthrene
   9   9.111        0.0000    0.00000  0.00000 anthracene
  10   9.559 BB     0.0412 3111.03003  0.00378 OTP
  11  10.460        0.0000    0.00000  0.00000 fluoranthene
  12  10.597 BB     0.0435  814.80713  0.00099 pyrene
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.395	BB	0.0320	12.68099	1.542e-5	COD
14	12.070	BV	0.0500	727.85162	0.00089	benzo(a)anthracene
15	12.328	VV	0.0280	7.77816	9.458e-6	chrysene
16	13.250		0.0000	0.00000	0.00000	benzo(b)fluoranthene
17	13.425	PB	0.0610	20.60111	2.505e-5	benzo(k)fluoranthene
18	13.913	BB	0.0329	4.09998	4.985e-6	benzo(a)pyrene
19	14.344	BB	0.0308	3.04742	3.706e-6	dibenzo(a,h)anthracene
20	14.640		0.0000	0.00000	0.00000	indeno(1,2,3-cd)pyrene
21	14.751	BB	0.0350	3.77069	4.585e-6	benzo(g,h,i)perylene

Totals : 1.98816e4 2.418e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.540	PV	0.0221	225.01561	0.00027	?
2	0.590	VV	0.0232	101.06971	0.00012	?
3	1.825	VV S	0.9990	8.12358e7	98.77968	?
4	1.878	VV S	0.0178	8.17049e5	0.99350	?
5	1.966	VV S	0.0999	3.43380e4	0.04175	?
6	2.007	VV S	0.0368	1.07103e4	0.01302	?
7	2.044	VV S	0.0384	1.10862e4	0.01348	?
8	2.089	VV S	0.0401	1.14250e4	0.01389	?
9	2.145	VV S	0.0302	8848.01563	0.01076	?
10	2.176	VV S	0.0398	9359.71289	0.01138	?
11	2.231	VV S	0.0443	9973.00000	0.01213	?
12	2.279	VV S	0.0311	7827.53662	0.00952	?
13	2.327	VV S	0.0401	9233.25684	0.01123	?
14	2.373	VV S	0.0315	7004.81299	0.00852	?
15	2.422	VV S	0.0363	7562.25635	0.00920	?
16	2.465	VV S	0.0283	6140.27295	0.00747	?
17	2.511	VV S	0.0525	9189.27441	0.01117	?
18	2.571	VV S	0.0414	7926.93408	0.00964	?
19	2.621	VV S	0.0320	5738.68555	0.00698	?
20	2.663	VV S	0.0336	4003.44971	0.00487	?
21	2.708	VV S	0.0226	2049.04419	0.00249	?
22	2.739	VV S	0.0268	1593.24756	0.00194	?
23	2.773	VB S	0.0268	1639.07178	0.00199	?
24	2.807	BB T	0.0221	77.83187	9.464e-5	?
25	2.934	PB	0.0131	1.00584	1.223e-6	?
26	3.091	PB	0.0300	3.64924	4.437e-6	?
27	3.474	PB	0.0182	22.43429	2.728e-5	?
28	3.555	BB	0.0251	14.00757	1.703e-5	?
29	3.888	BB	0.0269	6.14470	7.472e-6	?
30	4.724	BB	0.0274	23.75425	2.888e-5	?
31	7.662	PV	0.0292	5.00981	6.092e-6	?
32	7.717	VB	0.0374	8.44601	1.027e-5	?
33	10.063	PP	0.0270	2.22825	2.709e-6	?
34	11.762	BB	0.0250	6.87687	8.362e-6	?
35	12.383	VB	0.0459	23.27262	2.830e-5	?
36	16.151	BB	0.0549	483.78842	0.00059	?

Uncalib. totals : 8.22195e7 99.9758

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 ***

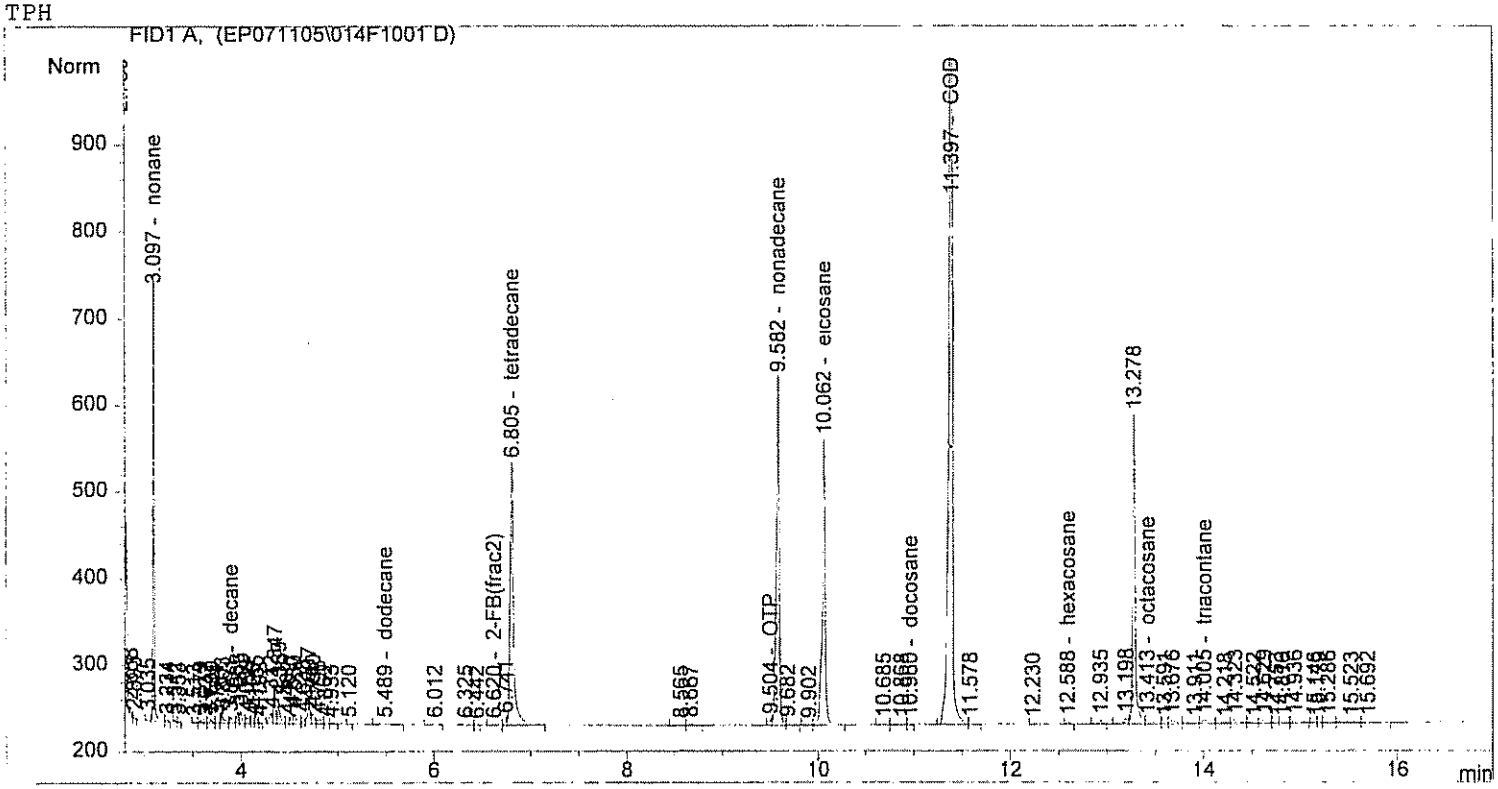
External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\EP071105\014F1001.D		
Operator	: DCS	Page Number	:
Instrument	: GC6	Vial Number	: Vial 14
Sample Name	: G161-2047-10H x1 ms K	Injection Number	: 1
Run Time Bar Code	: 137801	Sequence Line	: 10
Acquired on	: 11 Jul 05 4:04:13 PM	Instrument Method	: PROEPH.M
Report Created on	: 14 Jul 2005 11:21:23 AM	Analysis Method	: EPHTK_F.M
Last Recalib on	: 8 Jun 2005 10:16:23 AM	Sample Amount	: 10 µl
Multiplier	: 1.0000	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\EP071105\014F1001.D

Ret Time	Area	Type	Width	Ref#	ng	Name
3.097	501.19510	VB	0.01	1	0.00059	nonane
3.891	15.24884	VV	0.02	2	1.803e-5	decane
5.489	11.93442	VP	0.11	3	1.411e-5	dodecane
6.620	4.38437	VV	0.04	4	5.184e-6	2-FB(frac2)
6.805	756.59741	VB	0.03	5	0.00089	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
9.504	9.90097	VV	0.02	9	1.171e-5	OTP
9.582	826.78461	VV	0.03	10	0.00098	nonadecane
10.062	722.51923	VB	0.03	11	0.00085	eicosane
10.960	4.87511	VV	0.03	12	5.764e-6	docosane
11.397	2656.56616	BV	0.02	13	0.00314	COD
11.888	0.00000	XX	0.00	14	0.00000	tetracosane
12.588	6.69411	BB	0.02	15	7.914e-6	hexacosane
13.413	24.76415	VV	0.07	16	2.928e-5	octacosane
14.005	18.29602	VV	0.05	17	2.163e-5	triacontane
16.215	0.00000	XX	0.00	18	0.00000	hexatriacontane
0.532	4.89116	PP	0.01	1	5.783e-6	* uncalibrated *
0.562	54.22776	VV	0.01	2	6.411e-5	* uncalibrated *
0.592	178.83658	VV	0.01	3	0.00021	* uncalibrated *
1.851	8.33805e7	VVS	0.72	4	98.58111	* uncalibrated *
1.907	9.26152e5	VVS	0.01	5	1.09499	* uncalibrated *
1.965	2.24389e4	VVS	0.03	6	0.02653	* uncalibrated *
2.039	3.61353e4	VVS	0.07	7	0.04272	* uncalibrated *
2.085	1.83654e4	VVS	0.03	8	0.02171	* uncalibrated *
2.134	2.08007e4	VVS	0.04	9	0.02459	* uncalibrated *
2.174	1.82643e4	VVS	0.03	10	0.02159	* uncalibrated *
2.228	1.57940e4	VVS	0.03	11	0.01867	* uncalibrated *
2.261	1.52177e4	VVS	0.03	12	0.01799	* uncalibrated *
2.308	1.41655e4	VVS	0.03	13	0.01675	* uncalibrated *
2.355	1.55288e4	VVS	0.03	14	0.01836	* uncalibrated *
2.401	1.40913e4	VVS	0.03	15	0.01666	* uncalibrated *
2.448	1.25360e4	VVS	0.03	16	0.01482	* uncalibrated *
2.490	1.20503e4	VVS	0.03	17	0.01425	* uncalibrated *
2.560	1.74656e4	VVS	0.04	18	0.02065	* uncalibrated *
2.600	1.04552e4	VVS	0.03	19	0.01236	* uncalibrated *
2.632	8288.10840	VVS	0.03	20	0.00980	* uncalibrated *
2.676	7436.58447	VVS	0.03	21	0.00879	* uncalibrated *
2.729	4639.35205	VVS	0.03	22	0.00549	* uncalibrated *
2.765	3082.77319	VBAS	0.02	23	0.00364	* uncalibrated *
2.858	7.21140	BP	0.01	24	8.526e-6	* uncalibrated *
2.893	2.39548	VP	0.01	25	2.832e-6	* uncalibrated *

```
==========================================================================
Injection Date  : 7/11/2005 4:04:13 PM          Seq. Line :  10
Sample Name     : 137801 x1 ms K                 Location : Vial 14
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    : 7/14/2005 10:40:30 AM by DCS
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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	3.097	VB	0.0157	501.19510	0.00059	nonane
2	3.891	VV	0.0296	15.24884	1.803e-5	decane
3	5.489	VP	0.1183	11.93442	1.411e-5	dodecane
4	6.620	VV	0.0459	4.38437	5.184e-6	2-FB(frac2)
5	6.805	VB	0.0363	756.59741	0.00089	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	9.504	VV	0.0227	9.90097	1.171e-5	OTP
10	9.582	VV	0.0301	826.78461	0.00098	nonadecane
11	10.062	VB	0.0307	722.51923	0.00085	eicosane
12	10.960	VV	0.0336	4.87511	5.764e-6	docosane
13	11.397	BV	0.0293	2656.56616	0.00314	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.888		0.0000	0.00000	0.00000	tetracosane
15	12.588	BB	0.0291	6.69411	7.914e-6	hexacosane
16	13.413	VV	0.0760	24.76415	2.928e-5	octacosane
17	14.005	VV	0.0564	18.29602	2.163e-5	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 5559.76049 6.573e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.532	PP	0.0153	4.89116	5.783e-6	?
2	0.562	VV	0.0118	54.22776	6.411e-5	?
3	0.592	VV	0.0131	178.83658	0.00021	?
4	1.851	VV S	0.7237	8.33805e7	98.58111	?
5	1.907	VV S	0.0190	9.26152e5	1.09499	?
6	1.965	VV S	0.0386	2.24389e4	0.02653	?
7	2.039	VV S	0.0705	3.61353e4	0.04272	?
8	2.085	VV S	0.0335	1.83654e4	0.02171	?
9	2.134	VV S	0.0417	2.08007e4	0.02459	?
10	2.174	VV S	0.0342	1.82643e4	0.02159	?
11	2.228	VV S	0.0320	1.57940e4	0.01867	?
12	2.261	VV S	0.0327	1.52177e4	0.01799	?
13	2.308	VV S	0.0323	1.41655e4	0.01675	?
14	2.355	VV S	0.0349	1.55288e4	0.01836	?
15	2.401	VV S	0.0387	1.40913e4	0.01666	?
16	2.448	VV S	0.0331	1.25360e4	0.01482	?
17	2.490	VV S	0.0333	1.20503e4	0.01425	?
18	2.560	VV S	0.0487	1.74656e4	0.02065	?
19	2.600	VV S	0.0303	1.04552e4	0.01236	?
20	2.632	VV S	0.0324	8288.10840	0.00980	?
21	2.676	VV S	0.0350	7436.58447	0.00879	?
22	2.729	VV S	0.0361	4639.35205	0.00549	?
23	2.765	VBAS	0.0267	3082.77319	0.00364	?
24	2.858	BP	0.0136	7.21140	8.526e-6	?
25	2.893	VP	0.0136	2.39548	2.832e-6	?
26	3.035	VP	0.0184	5.39653	6.380e-6	?
27	3.234	BV	0.0260	3.94388	4.663e-6	?
28	3.312	VV	0.0189	2.77891	3.286e-6	?
29	3.353	VP	0.0155	1.63924	1.938e-6	?
30	3.513	VP	0.0176	1.24733	1.475e-6	?
31	3.579	VV	0.0279	6.58198	7.782e-6	?
32	3.632	VV	0.0165	1.57201	1.859e-6	?
33	3.690	VV	0.0320	9.30320	1.100e-5	?
34	3.744	VV	0.0255	2.51378	2.972e-6	?
35	3.803	VV	0.0274	18.85705	2.229e-5	?
36	3.963	VV	0.0201	17.44172	2.062e-5	?
37	3.995	VV	0.0233	22.00166	2.601e-5	?
38	4.059	VV	0.0323	17.17633	2.031e-5	?
39	4.125	VV	0.0255	5.54330	6.554e-6	?
40	4.155	VV	0.0220	16.31864	1.929e-5	?
41	4.192	VV	0.0223	2.91865	3.451e-6	?
42	4.312	VV	0.0297	24.77076	2.929e-5	?
43	4.347	VV	0.0194	61.57520	7.280e-5	?
44	4.389	VV	0.0239	44.02911	5.206e-5	?
45	4.482	VV	0.0262	9.18040	1.085e-5	?
46	4.517	VV	0.0207	20.31533	2.402e-5	?
47	4.550	VV	0.0322	27.45716	3.246e-5	?
48	4.638	VV	0.0249	12.55450	1.484e-5	?
49	4.697	VV	0.0280	43.04567	5.089e-5	?
50	4.740	VV	0.0268	24.49703	2.896e-5	?
51	4.798	VV	0.0420	17.20368	2.034e-5	?
52	4.862	VV	0.0377	5.24755	6.204e-6	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
53	4.933	VV	0.0525	4.45163	5.263e-6	?
54	5.120	VV	0.0385	2.99747	3.544e-6	?
55	6.012	BV	0.0463	5.94078	7.024e-6	?
56	6.325	VV	0.0740	9.15941	1.083e-5	?
57	6.442	VV	0.0330	2.58122	3.052e-6	?
58	6.741	VV	0.0215	10.93481	1.293e-5	?
59	8.565	VV	0.0616	7.66683	9.065e-6	?
60	8.667	VB	0.0519	10.30812	1.219e-5	?
61	9.682	VB	0.0524	11.82740	1.398e-5	?
62	9.902	BV	0.0608	5.05287	5.974e-6	?
63	10.685	VV	0.0491	6.30160	7.450e-6	?
64	10.868	VV	0.0603	8.10991	9.588e-6	?
65	11.578	VV	0.0529	8.10685	9.585e-6	?
66	12.230	VB	0.0350	3.21538	3.802e-6	?
67	12.935	PB	0.0274	8.18869	9.682e-6	?
68	13.198	BV	0.0358	15.11989	1.788e-5	?
69	13.278	VV	0.0306	687.50494	0.00081	?
70	13.591	VV	0.0451	7.35382	8.694e-6	?
71	13.676	VV	0.0566	17.97985	2.126e-5	?
72	13.911	VV	0.1000	11.78599	1.393e-5	?
73	14.218	VV	0.0989	9.17615	1.085e-5	?
74	14.323	VB	0.0569	17.14863	2.027e-5	?
75	14.522	BV	0.0799	7.75105	9.164e-6	?
76	14.629	VV	0.0528	16.07866	1.901e-5	?
77	14.753	VV	0.0554	5.66771	6.701e-6	?
78	14.816	VV	0.0692	7.69540	9.098e-6	?
79	14.936	VB	0.0688	18.86791	2.231e-5	?
80	15.146	BV	0.0490	4.29147	5.074e-6	?
81	15.179	VV	0.0374	3.36914	3.983e-6	?
82	15.286	VV	0.0584	11.40285	1.348e-5	?
83	15.523	VV	0.1483	13.29829	1.572e-5	?
84	15.692	VP	0.0688	8.30429	9.818e-6	?

Uncalib. totals : 8.45750e7 99.9934

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

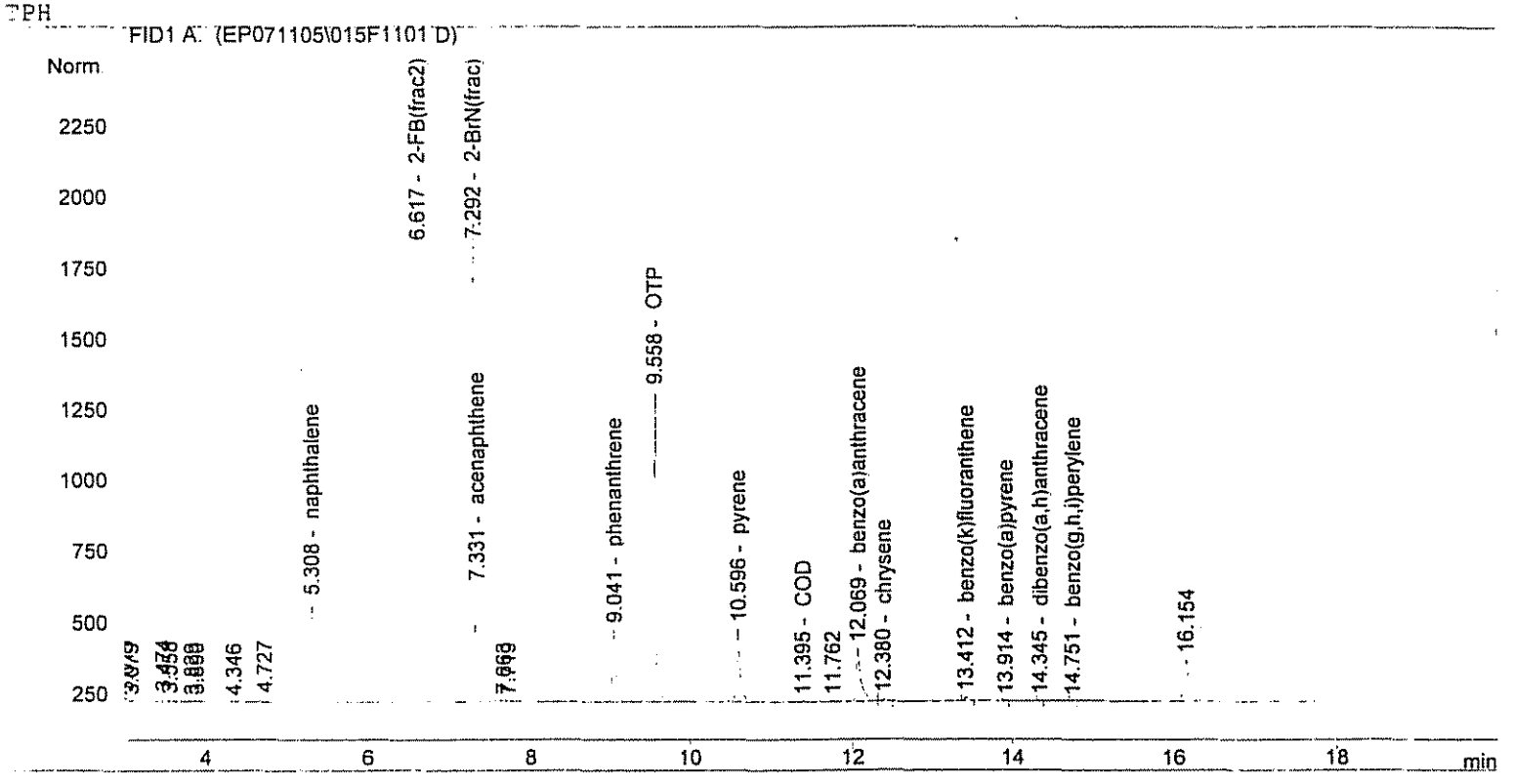
ata File Name : C:\HPCHEM\1\DATA\EP071105\015F1101.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-10H x1 ms R
un Time Bar Code: 137801
cquired on : 11 Jul 05 4:31:21 PM
eport Created on: 12 Jul 2005 11:33:26 AM
ast Recalib on : 11 Jul 2005 3:08:31 PM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 15
Injection Number : 1
Sequence Line : 11
Instrument Method: PROEPH.M
Analysis Method : EPH-R_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP071105\015F1101.D

et Time	Area	Type	Width	Ref#	ng	Name
5.308	606.48853	PB	0.02	1	0.00075	naphthalene
6.141	0.00000	XX	0.00	2	0.00000	2-methylnaphthalene
6.617	8383.95996	PB	0.03	3	0.01033	2-FB(frac2)
7.158	0.00000	XX	0.00	4	0.00000	acenaphthylene
7.292	5740.46387	BV	0.04	5	0.00707	2-BrN(frac)
7.331	839.34778	VB	0.02	6	0.00103	acenaphthene
8.000	0.00000	XX	0.00	7	0.00000	fluorene
9.041	835.84137	BB	0.04	8	0.00103	phenanthrene
9.111	0.00000	XX	0.00	9	0.00000	anthracene
9.558	3007.89160	BB	0.03	10	0.00371	OTP
10.460	0.00000	XX	0.00	11	0.00000	fluoranthene
10.596	804.76245	BB	0.04	12	0.00099	pyrene
11.395	10.85554	BB	0.03	13	1.338e-5	COD
12.069	719.89569	BV	0.05	14	0.00089	benzo(a)anthracene
12.380	33.79919	VB	0.05	15	4.165e-5	chrysene
13.250	0.00000	XX	0.00	16	0.00000	benzo(b)fluoranthene
13.412	47.00492	BB	0.05	17	5.792e-5	benzo(k)fluoranthene
13.914	3.65734	BB	0.03	18	4.507e-6	benzo(a)pyrene
14.345	3.39270	BB	0.03	19	4.181e-6	dibenzo(a,h)anthracene
14.640	0.00000	XX	0.00	20	0.00000	indeno(1,2,3-cd)pyrene
14.751	3.54170	BP	0.03	21	4.364e-6	benzo(g,h,i)perylene
0.549	176.16638	PV	0.02	1	0.00022	* uncalibrated *
0.590	107.05421	VV	0.02	2	0.00013	* uncalibrated *
1.808	8.01740e7	VVS	0.99	3	98.79409	* uncalibrated *
1.864	8.05607e5	VVS	0.01	4	0.99271	* uncalibrated *
1.918	1.26673e4	VVS	0.03	5	0.01561	* uncalibrated *
1.951	1.36033e4	VVS	0.04	6	0.01676	* uncalibrated *
2.015	1.28462e4	VVS	0.04	7	0.01583	* uncalibrated *
2.074	1.09862e4	VVS	0.03	8	0.01354	* uncalibrated *
2.106	7438.21924	VVS	0.02	9	0.00917	* uncalibrated *
2.150	9543.37207	VVS	0.03	10	0.01176	* uncalibrated *
2.185	8248.42969	VVS	0.03	11	0.01016	* uncalibrated *
2.229	9816.42188	VVS	0.04	12	0.01210	* uncalibrated *
2.363	1.97681e4	VVS	0.08	13	0.02436	* uncalibrated *
2.400	7014.81982	VVS	0.03	14	0.00864	* uncalibrated *
2.478	9997.05273	VVS	0.04	15	0.01232	* uncalibrated *
2.517	5161.32227	VVS	0.02	16	0.00636	* uncalibrated *
2.563	6920.31299	VVS	0.04	17	0.00853	* uncalibrated *
2.597	4615.43994	VVS	0.02	18	0.00569	* uncalibrated *
2.627	4065.95801	VVS	0.02	19	0.00501	* uncalibrated *
2.660	3631.61646	VVS	0.03	20	0.00448	* uncalibrated *
2.705	1971.46814	VVS	0.02	21	0.00243	* uncalibrated *
2.744	1402.05640	VVS	0.02	22	0.00173	* uncalibrated *

```
==========================================================================
Injection Date  : 7/11/2005 4:31:21 PM          Seq. Line :  11
Sample Name     : 137801 x1 ms R                 Location : Vial 15
Acq. Operator   : DCS                                 Inj :   1
Acq. Instrument : GC6                           Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\071105.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\EPH-R_F.M
Last changed    : 7/11/2005 3:10:06 PM by DCS
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/11/2005 3:08:31 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    5.308 PB     0.0260  606.48853  0.00075 naphthalene
   2    6.141        0.0000    0.00000  0.00000 2-methylnaphthalene
   3    6.617 PB     0.0364 8383.95996  0.01033 2-FB(frac2)
   4    7.158        0.0000    0.00000  0.00000 acenaphthylene
   5    7.292 BV     0.0421 5740.46387  0.00707 2-BrN(frac)
   6    7.331 VB     0.0293  839.34778  0.00103 acenaphthene
   7    8.000        0.0000    0.00000  0.00000 fluorene
   8    9.041 BB     0.0448  835.84137  0.00103 phenanthrene
   9    9.111        0.0000    0.00000  0.00000 anthracene
  10    9.558 BB     0.0370 3007.89160  0.00371 OTP
  11   10.460        0.0000    0.00000  0.00000 fluoranthene
  12   10.596 BB     0.0434  804.76245  0.00099 pyrene
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.395	BB	0.0318	10.85554	1.338e-5	COD
14	12.069	BV	0.0545	719.89569	0.00089	benzo(a)anthracene
15	12.380	VB	0.0546	33.70919	4.165e-5	chrysene
16	13.250		0.0000	0.00000	0.00000	benzo(b)fluoranthene
17	13.412	BB	0.0507	47.00492	5.792e-5	benzo(k)fluoranthene
18	13.914	BB	0.0306	3.65734	4.507e-6	benzo(a)pyrene
19	14.345	BB	0.0325	3.39270	4.181e-6	dibenzo(a,h)anthracene
20	14.640		0.0000	0.00000	0.00000	indeno(1,2,3-cd)pyrene
21	14.751	BP	0.0335	3.54170	4.364e-6	benzo(g,h,i)perylene

Totals : 2.10409e4 2.593e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.549	PV	0.0237	176.16638	0.00022	?
2	0.590	VV	0.0241	107.05421	0.00013	?
3	1.808	VV S	0.9916	8.01740e7	98.79409	?
4	1.864	VV S	0.0173	8.05607e5	0.99271	?
5	1.918	VV S	0.0367	1.26673e4	0.01561	?
6	1.951	VV S	0.0405	1.36033e4	0.01676	?
7	2.015	VV S	0.0402	1.28462e4	0.01583	?
8	2.074	VV S	0.0381	1.09862e4	0.01354	?
9	2.106	VV S	0.0287	7438.21924	0.00917	?
10	2.150	VV S	0.0365	9543.37207	0.01176	?
11	2.185	VV S	0.0348	8248.42969	0.01016	?
12	2.229	VV S	0.0415	9816.42188	0.01210	?
13	2.363	VV S	0.0843	1.97681e4	0.02436	?
14	2.400	VV S	0.0367	7014.81982	0.00864	?
15	2.478	VV S	0.0473	9997.05273	0.01232	?
16	2.517	VV S	0.0286	5161.32227	0.00636	?
17	2.563	VV S	0.0412	6920.31299	0.00853	?
18	2.597	VV S	0.0274	4615.43994	0.00569	?
19	2.627	VV S	0.0277	4065.95801	0.00501	?
20	2.660	VV S	0.0322	3631.61646	0.00448	?
21	2.705	VV S	0.0287	1971.46814	0.00243	?
22	2.744	VV S	0.0247	1402.05640	0.00173	?
23	2.777	VB S	0.0252	1240.25439	0.00153	?
24	2.810	BV X	0.0191	59.44227	7.325e-5	?
25	2.836	VB X	0.0135	16.25556	2.003e-5	?
26	3.015	BB	0.0158	11.55410	1.424e-5	?
27	3.079	BB	0.0283	5.23388	6.449e-6	?
28	3.474	PV	0.0219	23.95204	2.951e-5	?
29	3.558	VB	0.0395	19.15824	2.361e-5	?
30	3.829	BV	0.0250	4.34306	5.352e-6	?
31	3.890	VB	0.0351	8.36355	1.031e-5	?
32	4.346	PB	0.0300	2.36190	2.910e-6	?
33	4.727	BB	0.0302	28.04896	3.456e-5	?
34	7.663	PV	0.0313	4.69199	5.782e-6	?
35	7.719	VB	0.0396	9.58162	1.181e-5	?
36	11.762	BB	0.0260	6.57510	8.102e-6	?
37	16.154	BB	0.0545	556.01300	0.00069	?

Uncalib. totals : 8.11316e7 99.9741

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 ***

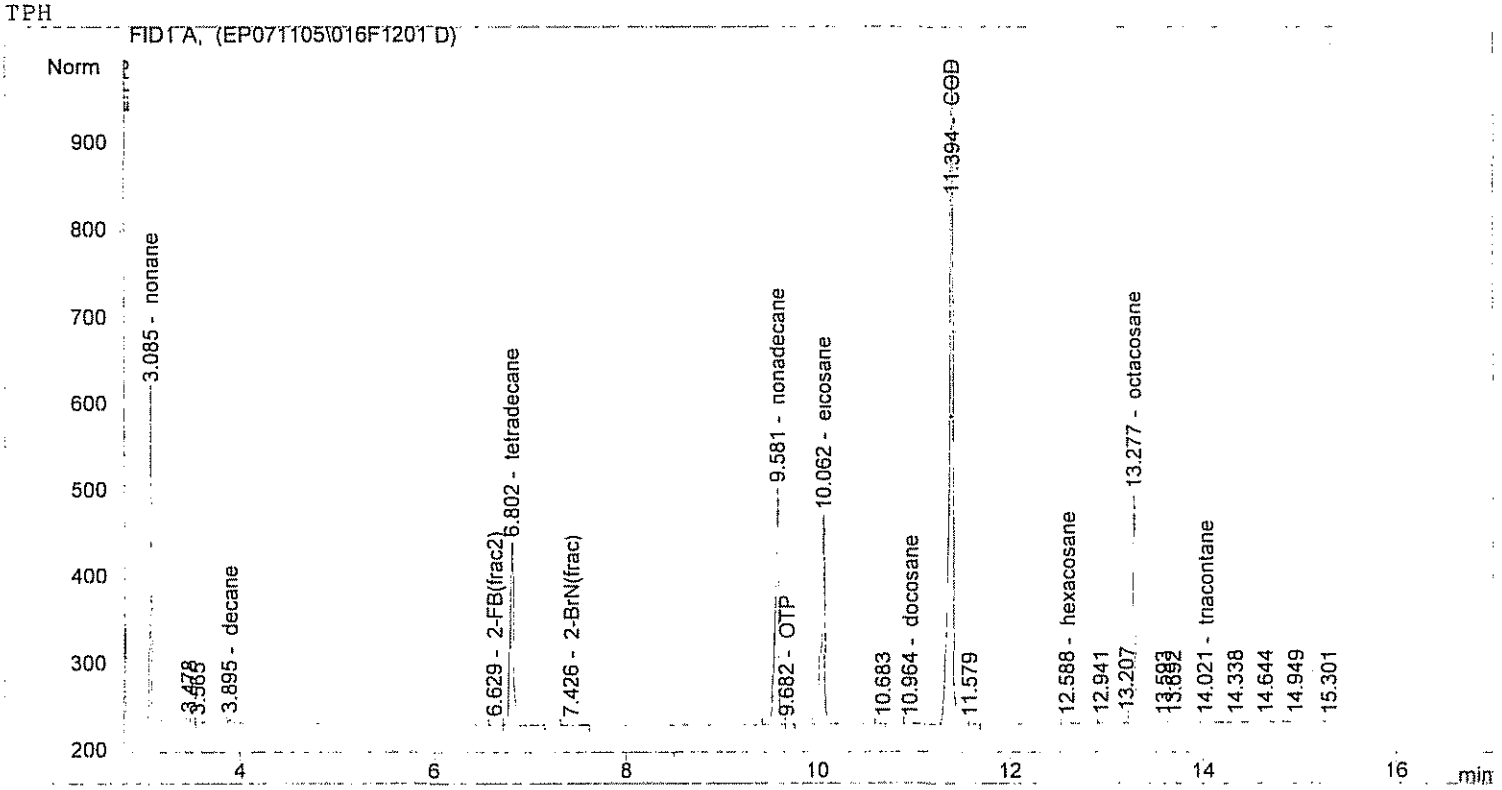
External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\EP071105\016F1201.D		
Operator	: DCS	Page Number	:
Instrument	: GC6	Vial Number	: Vial 16
Sample Name	: G161-2047-10I x1 msd K	Injection Number	: 1
Run Time Bar Code	: 137802	Sequence Line	: 12
Acquired on	: 11 Jul 05 4:58:11 PM	Instrument Method	: PROEPH.M
Report Created on	: 14 Jul 2005 11:21:36 AM	Analysis Method	: EPHTK_F.M
Last Recalib on	: 8 Jun 2005 10:16:23 AM	Sample Amount	: 10 µl
Multiplier	: 1.0000	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\EP071105\016F1201.D

Ret Time	Area	Type	Width	Ref#	ng	Name
3.085	385.52856	VB	0.01	1	0.00047	nonane
3.895	11.44964	VV	0.03	2	1.383e-5	decane
5.541	0.00000	XX	0.00	3	0.00000	dodecane
6.629	12.73285	BV	0.05	4	1.538e-5	2-FB(frac2)
6.802	607.44928	VB	0.04	5	0.00073	tetradecane
7.426	17.33220	VV	0.10	6	2.094e-5	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
9.581	681.10742	VV	0.03	9	0.00082	nonadecane
9.682	6.89344	VV	0.04	10	8.328e-6	OTP
10.062	581.30560	VB	0.03	11	0.00070	eicosane
10.964	4.75426	VP	0.05	12	5.744e-6	docosane
11.394	2208.58301	PV	0.03	13	0.00267	COD
11.888	0.00000	XX	0.00	14	0.00000	tetracosane
12.588	5.36669	VB	0.03	15	6.484e-6	hexacosane
13.277	560.35071	VV	0.03	16	0.00068	octacosane
14.021	7.53248	VV	0.05	17	9.100e-6	triacontane
16.215	0.00000	XX	0.00	18	0.00000	hexatriacontane
0.547	80.18932	PV	0.02	1	9.688e-5	* uncalibrated *
0.590	49.39851	VV	0.02	2	5.968e-5	* uncalibrated *
1.835	8.17557e7	VVS	1.00	3	98.77263	* uncalibrated *
1.882	8.34594e5	VVS	0.01	4	1.00831	* uncalibrated *
1.930	3.07746e4	VVS	0.08	5	0.03718	* uncalibrated *
1.976	1.13512e4	VVS	0.03	6	0.01371	* uncalibrated *
2.034	1.56755e4	VVS	0.05	7	0.01894	* uncalibrated *
2.093	1.21308e4	VVS	0.03	8	0.01466	* uncalibrated *
2.159	1.57423e4	VVS	0.05	9	0.01902	* uncalibrated *
2.200	8544.73340	VVS	0.02	10	0.01032	* uncalibrated *
2.240	9305.53320	VVS	0.03	11	0.01124	* uncalibrated *
2.286	1.03740e4	VVS	0.04	12	0.01253	* uncalibrated *
2.347	9194.92285	VVS	0.03	13	0.01111	* uncalibrated *
2.395	9637.12305	VVS	0.04	14	0.01164	* uncalibrated *
2.450	1.10038e4	VVS	0.05	15	0.01329	* uncalibrated *
2.520	1.12780e4	VVS	0.06	16	0.01363	* uncalibrated *
2.588	5466.86035	VVS	0.03	17	0.00660	* uncalibrated *
2.621	5068.18701	VVS	0.02	18	0.00612	* uncalibrated *
2.656	3817.81763	VVS	0.02	19	0.00461	* uncalibrated *
2.695	3365.31445	VVS	0.04	20	0.00407	* uncalibrated *
2.741	2049.08838	VVS	0.02	21	0.00248	* uncalibrated *
2.778	1240.15454	VBAS	0.01	22	0.00150	* uncalibrated *
3.478	7.78920	VV	0.02	23	9.410e-6	* uncalibrated *
3.565	4.23161	VV	0.04	24	5.112e-6	* uncalibrated *
10.683	2.99910	BV	0.03	25	3.623e-6	* uncalibrated *

```
==========================================================================
Injection Date  : 7/11/2005 4:58:11 PM          Seq. Line :  12
Sample Name     : 137802 x1 msd K                Location : Vial 16
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    : 7/14/2005 10:40:30 AM by DCS
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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	3.085	VB	0.0157	385.52856	0.00047	nonane
2	3.895	VV	0.0396	11.44964	1.383e-5	decane
3	5.541		0.0000	0.00000	0.00000	dodecane
4	6.629	BV	0.0507	12.73285	1.538e-5	2-FB(frac2)
5	6.802	VB	0.0447	607.44928	0.00073	tetradecane
6	7.426	VV	0.1028	17.33220	2.094e-5	2-BrN(frac)
7	8.095		0.0000	0.00000	0.00000	hexadecane
8	9.172		0.0000	0.00000	0.00000	octadecane
9	9.581	VV	0.0341	681.10742	0.00082	nonadecane
10	9.682	VV	0.0419	6.89344	8.328e-6	OTP
11	10.062	VB	0.0343	581.30560	0.00070	eicosane
12	10.964	VP	0.0509	4.75426	5.744e-6	docosane
13	11.394	PV	0.0319	2208.58301	0.00267	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	11.888		0.0000	0.00000	0.00000	tetracosane
15	12.588	VB	0.0351	5.36669	6.484e-6	hexacosane
16	13.277	VV	0.0318	560.35071	0.00068	octacosane
17	14.021	VV	0.0500	7.53248	9.100e-6	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 5090.38614 6.150e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.547	PV	0.0257	80.18932	9.688e-5	?
2	0.590	VV	0.0237	49.39851	5.968e-5	?
3	1.835	VV S	1.0058	8.17557e7	98.77263	?
4	1.882	VV S	0.0184	8.34594e5	1.00831	?
5	1.930	VV S	0.0864	3.07746e4	0.03718	?
6	1.976	VV S	0.0338	1.13512e4	0.01371	?
7	2.034	VV S	0.0535	1.56755e4	0.01894	?
8	2.093	VV S	0.0384	1.21308e4	0.01466	?
9	2.159	VV S	0.0586	1.57423e4	0.01902	?
10	2.200	VV S	0.0287	8544.73340	0.01032	?
11	2.240	VV S	0.0344	9305.53320	0.01124	?
12	2.286	VV S	0.0404	1.03740e4	0.01253	?
13	2.347	VV S	0.0368	9194.92285	0.01111	?
14	2.395	VV S	0.0472	9637.12305	0.01164	?
15	2.450	VV S	0.0552	1.10038e4	0.01329	?
16	2.520	VV S	0.0699	1.12780e4	0.01363	?
17	2.588	VV S	0.0320	5466.86035	0.00660	?
18	2.621	VV S	0.0283	5068.18701	0.00612	?
19	2.656	VV S	0.0276	3817.81763	0.00461	?
20	2.695	VV S	0.0402	3365.31445	0.00407	?
21	2.741	VV S	0.0271	2049.08838	0.00248	?
22	2.778	VBAS	0.0189	1240.15454	0.00150	?
23	3.478	VV	0.0257	7.78920	9.410e-6	?
24	3.565	VV	0.0408	4.23161	5.112e-6	?
25	10.683	BV	0.0387	2.99910	3.623e-6	?
26	11.579	VB	0.0462	4.72933	5.714e-6	?
27	12.941	BB	0.0254	5.11292	6.177e-6	?
28	13.207	BV	0.0315	13.61716	1.645e-5	?
29	13.593	VV	0.0432	4.64647	5.614e-6	?
30	13.692	VV	0.0538	8.88747	1.074e-5	?
31	14.338	VB	0.0566	9.94505	1.202e-5	?
32	14.644	VV	0.0480	6.81333	8.231e-6	?
33	14.949	BP	0.0607	7.56523	9.140e-6	?
34	15.301	VB	0.0463	3.81005	4.603e-6	?

Uncalib. totals : 8.27665e7 99.9939

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 ***

External Standard Report

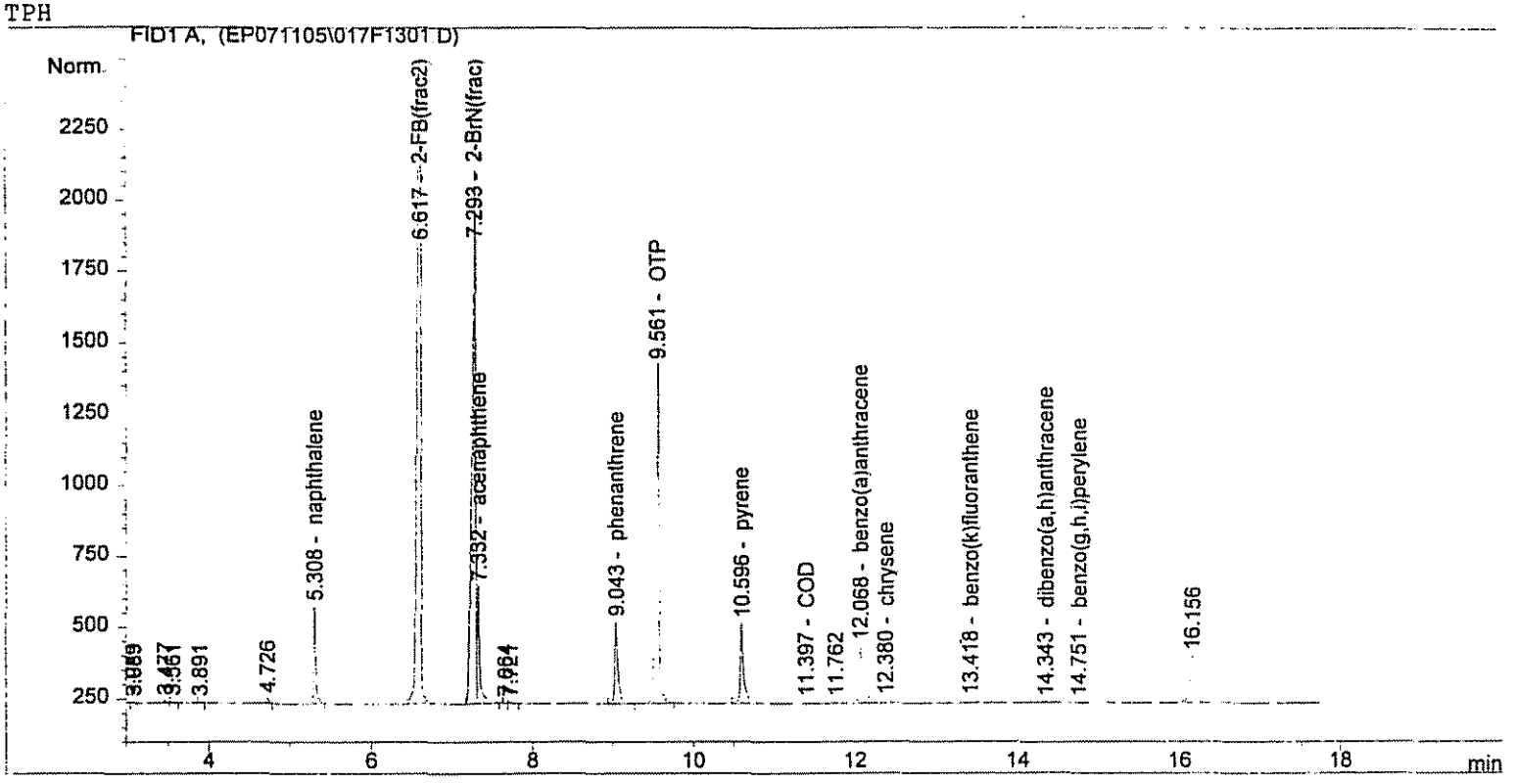
ata File Name : C:\HPCHEM\1\DATA\EP071105\017F1301.D
perator : DCS
nstrument : GC6
ample Name : G161-2047-10I x1 msd R
un Time Bar Code: 137802
cquired on : 11 Jul 05 5:25:20 PM
eport Created on: 12 Jul 2005 11:33:32 AM
ast Recalib on : 11 Jul 2005 3:08:31 PM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 17
Injection Number : 1
Sequence Line : 13
Instrument Method: PROEPH.M
Analysis Method : EPH-R_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP071105\017F1301.D

et Time	Area	Type	Width	Ref#	ng	Name
5.308	584.97382	PB	0.02	1	0.00070	naphthalene
6.141	0.00000	XX	0.00	2	0.00000	2-methylnaphthalene
6.617	7982.19678	PB	0.03	3	0.00960	2-FB(frac2)
7.158	0.00000	XX	0.00	4	0.00000	acenaphthylene
7.293	5460.74072	BV	0.03	5	0.00657	2-BrN(frac)
7.332	878.46344	VB	0.03	6	0.00106	acenaphthene
8.000	0.00000	XX	0.00	7	0.00000	fluorene
9.043	832.60138	BB	0.04	8	0.00100	phenanthrene
9.111	0.00000	XX	0.00	9	0.00000	anthracene
9.561	3089.17017	BB	0.03	10	0.00371	OTP
10.460	0.00000	XX	0.00	11	0.00000	fluoranthene
10.596	816.87280	BB	0.04	12	0.00098	pyrene
11.397	9.62794	BB	0.03	13	1.158e-5	COD
12.068	735.61890	BV	0.05	14	0.00088	benzo(a)anthracene
12.380	31.97463	VP	0.05	15	3.844e-5	chrysene
13.250	0.00000	XX	0.00	16	0.00000	benzo(b)fluoranthene
13.418	31.82783	BB	0.06	17	3.827e-5	benzo(k)fluoranthene
13.614	0.00000	XX	0.00	18	0.00000	benzo(a)pyrene
14.343	3.22290	BB	0.03	19	3.875e-6	dibenzo(a,h)anthracene
14.640	0.00000	XX	0.00	20	0.00000	indeno(1,2,3-cd)pyrene
14.751	3.00980	BB	0.03	21	3.619e-6	benzo(g,h,i)perylene
0.541	101.20251	PV	0.02	1	0.00012	* uncalibrated *
0.591	86.40195	VV	0.02	2	0.00010	* uncalibrated *
1.757	8.21620e7	VVS	1.00	3	98.78296	* uncalibrated *
1.883	8.14037e5	VVS	0.01	4	0.97871	* uncalibrated *
1.939	1.50623e4	VVS	0.03	5	0.01811	* uncalibrated *
1.973	1.72908e4	VVS	0.05	6	0.02079	* uncalibrated *
2.046	1.56609e4	VVS	0.04	7	0.01883	* uncalibrated *
2.106	1.84669e4	VVS	0.06	8	0.02220	* uncalibrated *
2.159	8335.31641	VVS	0.02	9	0.01002	* uncalibrated *
2.193	7548.52832	VVS	0.03	10	0.00908	* uncalibrated *
2.239	1.39193e4	VVS	0.05	11	0.01674	* uncalibrated *
2.299	1.07957e4	VVS	0.03	12	0.01298	* uncalibrated *
2.346	9336.36230	VVS	0.04	13	0.01123	* uncalibrated *
2.390	8587.35254	VVS	0.04	14	0.01032	* uncalibrated *
2.435	8851.87988	VVS	0.03	15	0.01064	* uncalibrated *
2.476	6541.48828	VVS	0.02	16	0.00786	* uncalibrated *
2.511	6846.96436	VVS	0.02	17	0.00823	* uncalibrated *
2.553	7809.73682	VVS	0.03	18	0.00939	* uncalibrated *
2.610	7880.74854	VVS	0.03	19	0.00947	* uncalibrated *
2.634	6924.90234	VVS	0.04	20	0.00833	* uncalibrated *
2.693	1806.28931	VVS	0.01	21	0.00217	* uncalibrated *
2.715	5215.29053	VBS	0.06	22	0.00627	* uncalibrated *

```
==========================================================================
Injection Date  : 7/11/2005 5:25:20 PM          Seq. Line :  13
Sample Name     : 137802 x1 msd R                Location : Vial 17
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\071105.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\EPH-R_F.M
Last changed    : 7/11/2005 3:10:06 PM by DCS
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/11/2005 3:08:31 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	5.308	PB	0.0261	584.97382	0.00070	naphthalene
2	6.141		0.0000	0.00000	0.00000	2-methylnaphthalene
3	6.617	PB	0.0352	7982.19678	0.00960	2-FB(frac2)
4	7.158		0.0000	0.00000	0.00000	acenaphthylene
5	7.293	BV	0.0370	5460.74072	0.00657	2-BrN(frac)
6	7.332	VB	0.0302	878.46344	0.00106	acenaphthene
7	8.000		0.0000	0.00000	0.00000	fluorene
8	9.043	BB	0.0413	832.60138	0.00100	phenanthrene
9	9.111		0.0000	0.00000	0.00000	anthracene
10	9.561	BB	0.0344	3089.17017	0.00371	OTP
11	10.460		0.0000	0.00000	0.00000	fluoranthene
12	10.596	BB	0.0424	816.87280	0.00098	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.397	BB	0.0313	9.62794	1.158e-5	COD
14	12.068	BV	0.0513	735.61890	0.00088	benzo(a)anthracene
15	12.380	VP	0.0561	31.97463	3.844e-5	chrysene
16	13.250		0.0000	0.00000	0.00000	benzo(b)fluoranthene
17	13.418	BB	0.0646	31.82783	3.827e-5	benzo(k)fluoranthene
18	13.614		0.0000	0.00000	0.00000	benzo(a)pyrene
19	14.343	BB	0.0331	3.22290	3.875e-6	dibenzo(a,h)anthracene
20	14.640		0.0000	0.00000	0.00000	indeno(1,2,3-cd)pyrene
21	14.751	BB	0.0302	3.00980	3.619e-6	benzo(g,h,i)perylene

Totals : 2.04603e4 2.460e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.541	PV	0.0209	101.20251	0.00012	?
2	0.591	VV	0.0256	86.40195	0.00010	?
3	1.757	VV S	1.0067	8.21620e7	98.78296	?
4	1.883	VV S	0.0170	8.14037e5	0.97871	?
5	1.939	VV S	0.0387	1.50623e4	0.01811	?
6	1.973	VV S	0.0538	1.72908e4	0.02079	?
7	2.046	VV S	0.0437	1.56609e4	0.01883	?
8	2.106	VV S	0.0635	1.84669e4	0.02220	?
9	2.159	VV S	0.0250	8335.31641	0.01002	?
10	2.193	VV S	0.0318	7548.52832	0.00908	?
11	2.239	VV S	0.0564	1.39193e4	0.01674	?
12	2.299	VV S	0.0390	1.07957e4	0.01298	?
13	2.346	VV S	0.0402	9336.36230	0.01123	?
14	2.390	VV S	0.0431	8587.35254	0.01032	?
15	2.435	VV S	0.0391	8851.87988	0.01064	?
16	2.476	VV S	0.0269	6541.48828	0.00786	?
17	2.511	VV S	0.0299	6846.96436	0.00823	?
18	2.553	VV S	0.0368	7809.73682	0.00939	?
19	2.610	VV S	0.0367	7880.74854	0.00947	?
20	2.634	VV S	0.0450	6924.90234	0.00833	?
21	2.693	VV S	0.0177	1806.28931	0.00217	?
22	2.715	VB S	0.0667	5215.29053	0.00627	?
23	2.847	BB X	0.0131	3.73561	4.491e-6	?
24	3.024	BP	0.0165	2.38235	2.864e-6	?
25	3.089	BB	0.0275	3.98002	4.785e-6	?
26	3.477	PB	0.0194	11.31596	1.361e-5	?
27	3.561	BB	0.0341	9.38891	1.129e-5	?
28	3.891	PB	0.0339	7.90292	9.502e-6	?
29	4.726	BB	0.0296	29.53764	3.551e-5	?
30	7.664	PV	0.0303	4.74899	5.710e-6	?
31	7.721	VB	0.0457	12.84488	1.544e-5	?
32	11.762	BB	0.0252	7.09548	8.531e-6	?
33	16.156	BB	0.0529	607.77997	0.00073	?

Uncalib. totals : 8.31538e7 99.9754

Results obtained with enhanced integrator!
2 Warnings or Errors :

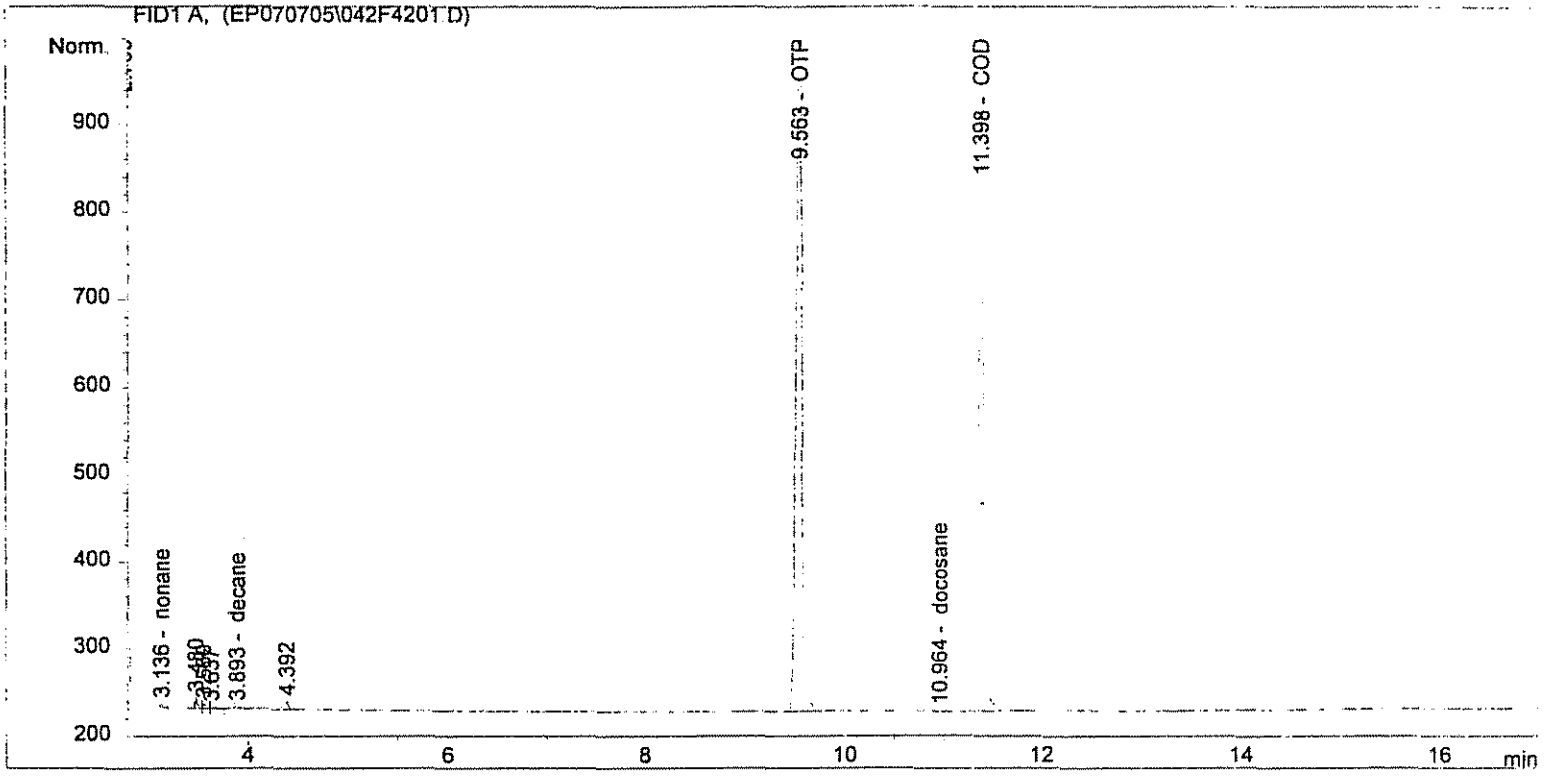
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

```
Injection Date  : 7/8/2005 3:58:09 AM          Seq. Line :  42
Sample Name     : pb3173 x1 T                   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    : 7/8/2005 2:35:13 PM by DCS
                  (modified after loading)
```

TPH



Area Percent Report

```
Sorted By              :      Signal
Calib. Data Modified   :      7/8/2005 2:36:09 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	3.136	VP	0.0164	3.85865	4.595e-6	nonane
2	3.893	VV	0.0456	6.42777	7.654e-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	9.500		0.0000	0.00000	0.00000	nonadecane
10	9.563	BB	0.0388	3525.88452	0.00420	OTP
11	10.154		0.0000	0.00000	0.00000	eicosane
12	10.964	VP	0.0342	2.48489	2.959e-6	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.398	BB	0.0360	3089.91870	0.00368	COD
14	11.888		0.0000	0.00000	0.00000	tetracosane
15	12.658		0.0000	0.00000	0.00000	hexacosane
16	13.288		0.0000	0.00000	0.00000	octacosane
17	14.039		0.0000	0.00000	0.00000	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 6628.57453 7.893e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.553	VV	0.0248	87.28807	0.00010	?
2	1.840	VV S	1.0194	8.29708e7	98.80247	?
3	1.898	VV S	0.0184	8.55315e5	1.01852	?
4	1.962	VV S	0.0287	8751.61328	0.01042	?
5	1.987	VV S	0.0444	1.37689e4	0.01640	?
6	2.047	VV S	0.0491	1.27409e4	0.01517	?
7	2.099	VV S	0.0448	1.24949e4	0.01488	?
8	2.178	VV S	0.0653	1.56064e4	0.01858	?
9	2.229	VV S	0.0241	6573.00293	0.00783	?
10	2.276	VV S	0.0410	8493.21777	0.01011	?
11	2.324	VV S	0.0429	8526.24805	0.01015	?
12	2.366	VV S	0.0336	7230.40430	0.00861	?
13	2.411	VV S	0.0984	2.25403e4	0.02684	?
14	2.570	VV S	0.0752	1.19077e4	0.01418	?
15	2.626	VV S	0.0315	5291.70801	0.00630	?
16	2.670	VV S	0.0395	4527.09033	0.00539	?
17	2.727	VV S	0.0372	2851.38184	0.00340	?
18	2.769	VBAS	0.0414	2261.59399	0.00269	?
19	3.480	VV	0.0224	18.57415	2.212e-5	?
20	3.560	VV	0.0328	11.15977	1.329e-5	?
21	3.637	VB	0.0439	3.65869	4.357e-6	?
22	4.392	BB	0.0255	16.13307	1.921e-5	?

Uncalib. totals : 8.39698e7 99.9921

Results obtained with enhanced integrator!
2 Warnings or Errors :

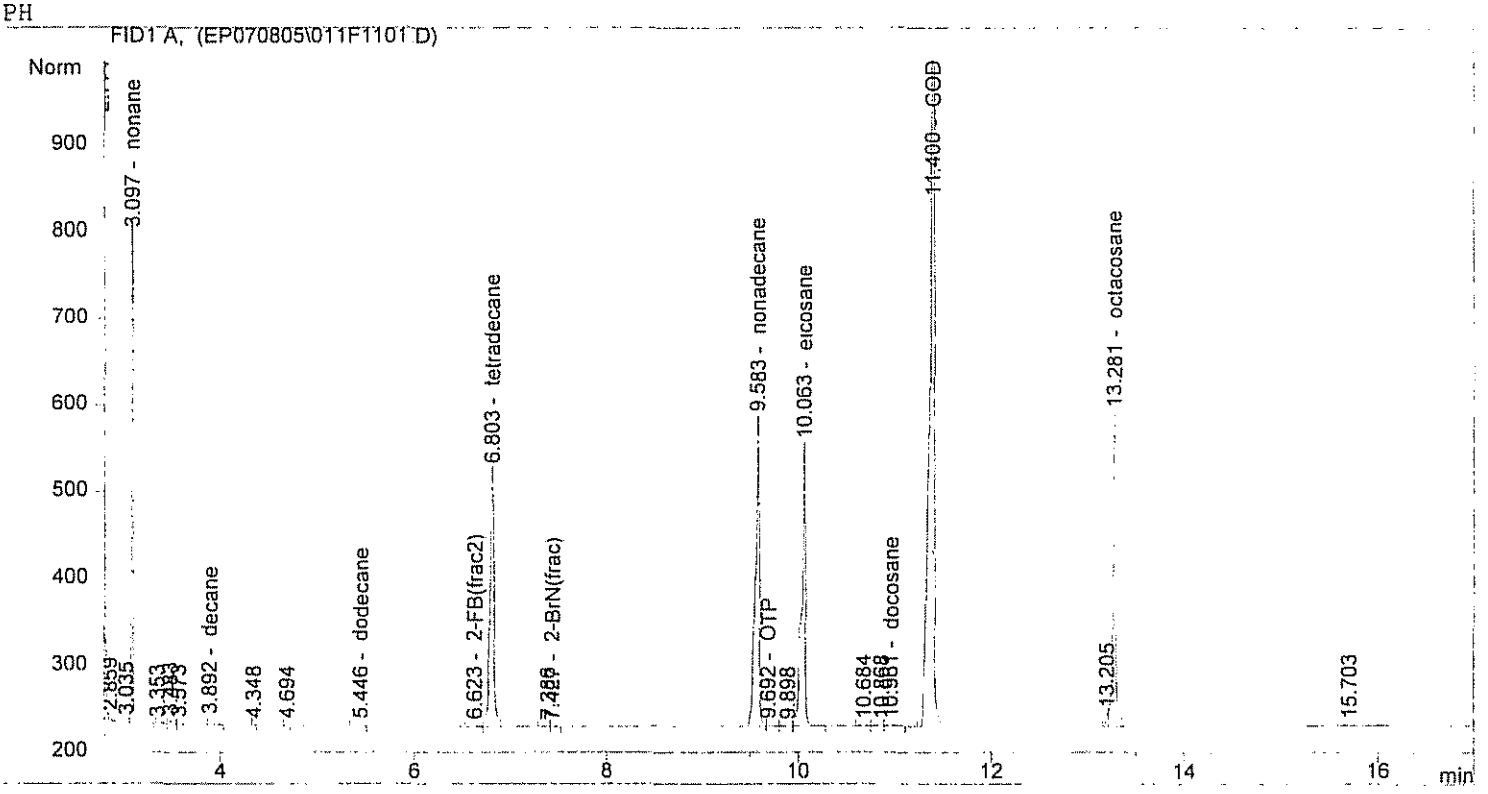
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

```
==========================================================================
Injection Date  : 7/8/2005 1:23:28 PM          Seq. Line :  11
Sample Name     : lcs3173 x1 K                  Location : Vial 11
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    : 7/14/2005 11:22:40 AM by DCS
                  (modified after loading)
```

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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   3.097 VV     0.0160  578.48267  0.00069 nonane
   2   3.892 VV     0.0311   12.60108 1.496e-5 decane
   3   5.446 BV     0.0473    5.37502 6.381e-6 dodecane
   4   6.623 VV     0.0516    8.97938 1.066e-5 2-FB(frac2)
   5   6.803 VB     0.0409  887.64673  0.00105 tetradecane
   6   7.427 VB     0.0406    3.42069 4.061e-6 2-BrN(frac)
   7   8.095        0.0000    0.00000  0.00000 hexadecane
   8   9.172        0.0000    0.00000  0.00000 octadecane
   9   9.583 PV     0.0382  980.70758  0.00116 nonadecane
  10   9.692 VB     0.0522    8.20511 9.741e-6 OTP
  11  10.063 VP     0.0353  840.69556  0.00100 eicosane
  12  10.961 VP     0.0528    6.10229 7.245e-6 docosane
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.400	PB	0.0351	3177.76221	0.00377	COD
14	11.888		0.0000	0.00000	0.00000	tetracosane
15	12.658		0.0000	0.00000	0.00000	hexacosane
16	13.281	VB	0.0312	778.67889	0.00092	octacosane
17	14.039		0.0000	0.00000	0.00000	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 7288.65721 8.653e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.558	PV	0.0224	39.81367	4.727e-5	?
2	1.855	VV S	1.0171	8.31537e7	98.72304	?
3	1.907	VV S	0.0190	9.23669e5	1.09661	?
4	1.954	VV S	0.0345	1.25022e4	0.01484	?
5	1.996	VV S	0.0252	9724.46387	0.01155	?
6	2.045	VV S	0.0404	1.23592e4	0.01467	?
7	2.091	VV S	0.0400	9849.22168	0.01169	?
8	2.124	VV S	0.0227	5633.19336	0.00669	?
9	2.157	VV S	0.0330	8535.93262	0.01013	?
10	2.242	VV S	0.1029	2.15063e4	0.02553	?
11	2.313	VV S	0.0410	8825.33691	0.01048	?
12	2.360	VV S	0.0417	9067.29980	0.01077	?
13	2.418	VV S	0.0442	9847.22266	0.01169	?
14	2.477	VV S	0.0556	9384.59668	0.01114	?
15	2.539	VV S	0.0573	9684.58398	0.01150	?
16	2.601	VV S	0.0278	5022.14209	0.00596	?
17	2.630	VV S	0.0442	5719.18311	0.00679	?
18	2.696	VV S	0.0385	3285.31738	0.00390	?
19	2.738	VV S	0.0271	2011.00232	0.00239	?
20	2.771	VBAS	0.0282	1503.93298	0.00179	?
21	2.859	BP	0.0103	2.19781	2.609e-6	?
22	3.035	VV	0.0183	2.50206	2.971e-6	?
23	3.353	VB	0.0230	1.69760	2.015e-6	?
24	3.483	PV	0.0228	6.11216	7.257e-6	?
25	3.573	VV	0.0405	3.86070	4.584e-6	?
26	4.348	VV	0.0231	1.75601	2.085e-6	?
27	4.694	VV	0.0316	3.00596	3.569e-6	?
28	7.386	VV	0.0510	4.65185	5.523e-6	?
29	9.898	BV	0.0587	6.11695	7.262e-6	?
30	10.684	BV	0.0521	4.51321	5.358e-6	?
31	10.868	VV	0.0532	4.31793	5.126e-6	?
32	13.205	BV	0.0291	30.28823	3.596e-5	?
33	15.703	BV	0.3592	40.55115	4.814e-5	?

Uncalib. totals : 8.42219e7 99.9913

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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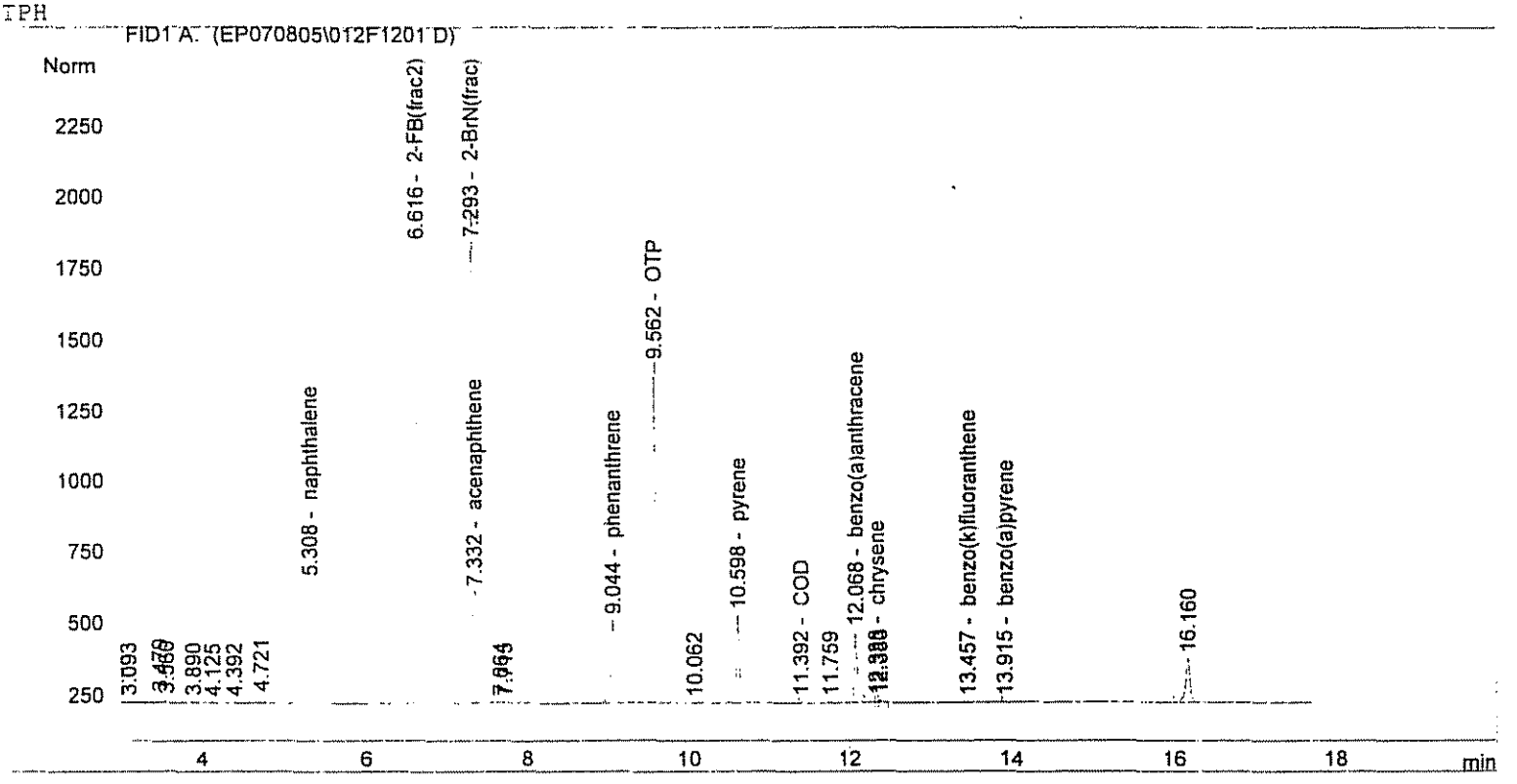
*** End of Report ***

```
==========================================================================
Injection Date  : 7/8/2005 1:50:33 PM          Seq. Line :  12
Sample Name     : lcs3173 x1 R                  Location : Vial 12
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 2:12:34 PM by DCS
                  (modified after loading)
```

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/11/2005 2:12:32 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    5.308 BB     0.0260  721.25653  0.00086 naphthalene
   2    6.141        0.0000    0.00000  0.00000 2-methylnaphthalene
   3    6.616 PB     0.0420 8915.54004  0.01066 2-FB(frac2)
   4    7.158        0.0000    0.00000  0.00000 acenaphthylene
   5    7.293 PV     0.0513 6147.81836  0.00735 2-BrN(frac)
   6    7.332 VB     0.0316  879.40698  0.00105 acenaphthene
   7    8.000        0.0000    0.00000  0.00000 fluorene
   8    9.044 BB     0.0479  978.01355  0.00117 phenanthrene
   9    9.111        0.0000    0.00000  0.00000 anthracene
  10    9.562 BB     0.0402 3585.30908  0.00429 OTP
  11   10.460        0.0000    0.00000  0.00000 fluoranthene
  12   10.598 BB     0.0420  934.81824  0.00112 pyrene
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.392	BB	0.0292	12.09274	1.446e-5	COD
14	12.068	PV	0.0471	862.32849	0.00103	benzo(a)anthracene
15	12.338	VV	0.0277	10.03897	1.200e-5	chrysene
16	13.305		0.0000	0.00000	0.00000	benzo(b)fluoranthene
17	13.457	BB	0.0455	6.64724	7.947e-6	benzo(k)fluoranthene
18	13.915	BB	0.0335	3.65191	4.366e-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 : 2.30569e4 2.756e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.556	BV	0.0196	140.96152	0.00017	?
2	1.815	VV S	1.0114	8.25635e7	98.70319	?
3	1.896	VP S	0.0191	8.91698e5	1.06601	?
4	1.972	VV S	0.0852	4.06925e4	0.04865	?
5	2.017	VV S	0.0216	6398.56934	0.00765	?
6	2.044	VV S	0.0391	1.10163e4	0.01317	?
7	2.101	VV S	0.0399	1.02137e4	0.01221	?
8	2.143	VV S	0.0392	1.02352e4	0.01224	?
9	2.186	VV S	0.0370	9884.75195	0.01182	?
10	2.228	VV S	0.0284	7724.88623	0.00923	?
11	2.274	VV S	0.0340	8944.93359	0.01069	?
12	2.317	VV S	0.0324	7762.51660	0.00928	?
13	2.364	VV S	0.0313	6958.52539	0.00832	?
14	2.407	VV S	0.0527	1.04858e4	0.01254	?
15	2.471	VV S	0.0469	8591.49609	0.01027	?
16	2.521	VV S	0.0365	6719.76318	0.00803	?
17	2.563	VV S	0.0316	5519.08838	0.00660	?
18	2.607	VV S	0.0380	7565.22363	0.00904	?
19	2.651	VV S	0.0552	5959.05518	0.00712	?
20	2.722	VV S	0.0239	1817.58252	0.00217	?
21	2.755	VB S	0.0359	2669.20190	0.00319	?
22	2.856	BV X	0.0125	1.52304	1.821e-6	?
23	2.944	VV X	0.0194	1.56686	1.873e-6	?
24	3.093	VV X	0.0421	9.52386	1.139e-5	?
25	3.479	VV T	0.0166	16.14073	1.930e-5	?
26	3.560	VB T	0.0249	11.66398	1.394e-5	?
27	3.890	BB	0.0300	8.81223	1.053e-5	?
28	4.125	PB	0.0278	2.66999	3.192e-6	?
29	4.392	PP	0.0197	2.08427	2.492e-6	?
30	4.721	BB	0.0272	33.16700	3.965e-5	?
31	7.664	PV	0.0295	5.78376	6.914e-6	?
32	7.715	VB	0.0389	11.15570	1.334e-5	?
33	10.062	BP	0.0241	1.98909	2.378e-6	?
34	11.759	BB	0.0233	6.45584	7.718e-6	?
35	12.383	VB	0.0469	24.14312	2.886e-5	?
36	16.160	BB	0.0541	567.04517	0.00068	?

Uncalib. totals : 8.36252e7 99.9724

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

ata File Name : C:\HPCHEM\1\DATA\EP071105\038F3401.D
perator : DCS
nstrument : GC6
ample Name : G161-2048-22C x1 ms K
un Time Bar Code: 138104
cquired on : 12 Jul 05 3:01:02 AM
eport Created on: 14 Jul 2005 10:37:21 AM
ast Recalib on : 8 Jun 2005 10:16:23 AM
ultiplier : 1.0000

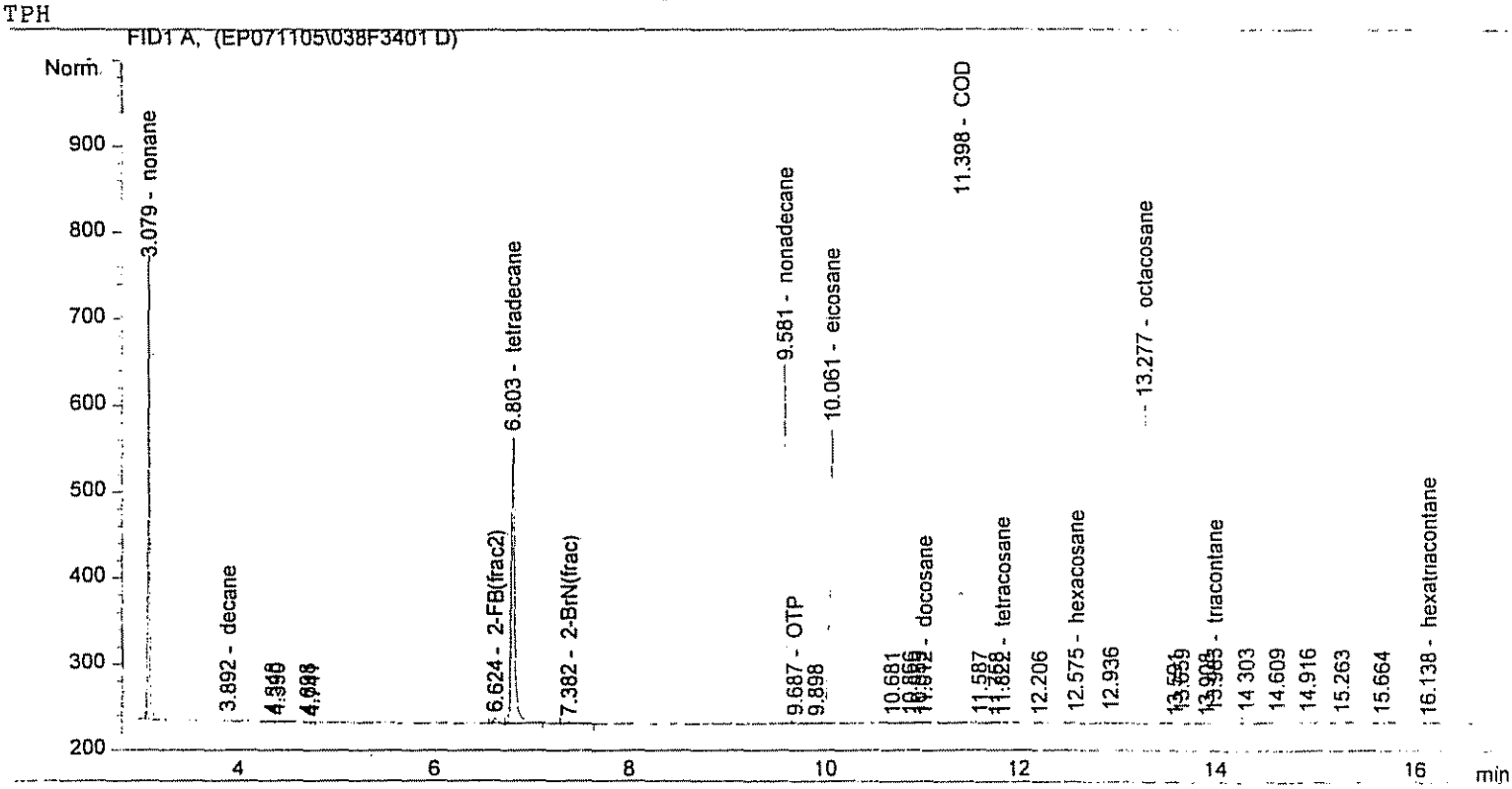
Page Number :
Vial Number : Vial 38
Injection Number : 1
Sequence Line : 34
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP071105\038F3401.D

et Time	Area	Type	Width	Ref#	ng	Name
3.079	540.68640	VV	0.01	1	0.00067	nonane
3.892	11.15807	VV	0.03	2	1.377e-5	decane
5.541	0.00000	XX	0.00	3	0.00000	dodecane
6.624	18.69524	VV	0.04	4	2.308e-5	2-FB(frac2)
6.803	823.09979	VB	0.03	5	0.00102	tetradecane
7.382	15.84995	VP	0.09	6	1.957e-5	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
9.581	913.86932	VV	0.02	9	0.00113	nonadecane
9.687	12.84403	VV	0.05	10	1.586e-5	OTP
10.061	781.22754	VB	0.03	11	0.00096	eicosane
11.012	3.75088	VV	0.04	12	4.630e-6	docosane
11.398	3038.98022	VV	0.03	13	0.00375	COD
11.822	4.43323	VV	0.03	14	5.473e-6	tetracosane
12.575	13.54790	VV	0.03	15	1.672e-5	hexacosane
13.277	768.61200	VB	0.03	16	0.00095	octacosane
13.983	17.57025	VB	0.04	17	2.169e-5	triacontane
16.138	6.09975	BB	0.07	18	7.530e-6	hexatriacontane
0.551	25.61399	PV	0.02	1	3.162e-5	* uncalibrated *
0.591	33.86264	VV	0.01	2	4.180e-5	* uncalibrated *
1.815	7.99843e7	VVS	0.99	3	98.74076	* uncalibrated *
1.867	8.51735e5	VVS	0.01	4	1.05147	* uncalibrated *
1.909	9145.66406	VVS	0.02	5	0.01129	* uncalibrated *
1.953	1.17810e4	VVS	0.03	6	0.01454	* uncalibrated *
1.991	2.16693e4	VVS	0.07	7	0.02675	* uncalibrated *
2.080	1.29152e4	VVS	0.04	8	0.01594	* uncalibrated *
2.132	1.00727e4	VVS	0.03	9	0.01243	* uncalibrated *
2.174	1.10209e4	VVS	0.03	10	0.01361	* uncalibrated *
2.227	9349.23926	VVS	0.02	11	0.01154	* uncalibrated *
2.268	1.16128e4	VVS	0.04	12	0.01434	* uncalibrated *
2.325	7680.15430	VVS	0.03	13	0.00948	* uncalibrated *
2.368	6663.72168	VVS	0.03	14	0.00823	* uncalibrated *
2.414	8860.86035	VVS	0.03	15	0.01094	* uncalibrated *
2.457	6048.86572	VVS	0.02	16	0.00747	* uncalibrated *
2.515	9679.11230	VVS	0.05	17	0.01195	* uncalibrated *
2.556	5966.11523	VVS	0.03	18	0.00737	* uncalibrated *
2.599	1.50379e4	VVS	0.09	19	0.01856	* uncalibrated *
2.738	3577.43750	VBAS	0.06	20	0.00442	* uncalibrated *
4.348	4.59404	BV	0.03	21	5.671e-6	* uncalibrated *
4.390	3.54024	VB	0.03	22	4.370e-6	* uncalibrated *
4.698	3.70685	VV	0.03	23	4.576e-6	* uncalibrated *
4.741	1.98603	VV	0.02	24	2.452e-6	* uncalibrated *
9.898	7.69894	VV	0.05	25	9.504e-6	* uncalibrated *

```
==========================================================================
Injection Date  : 7/12/2005 3:01:02 AM          Seq. Line :  34
Sample Name     : 138104 xl ms K                 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\EPHTK_F.M
Last changed    : 7/14/2005 10:37:18 AM by DCS
                  (modified after loading)
```

TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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   3.079 VV     0.0160  540.68640  0.00067 nonane
   2   3.892 VV     0.0371   11.15807 1.377e-5 decane
   3   5.541        0.0000    0.00000  0.00000 dodecane
   4   6.624 VV     0.0419   18.69524 2.308e-5 2-FB(frac2)
   5   6.803 VB     0.0358  823.09979  0.00102 tetradecane
   6   7.382 VP     0.0979   15.84995 1.957e-5 2-BrN(frac)
   7   8.095        0.0000    0.00000  0.00000 hexadecane
   8   9.172        0.0000    0.00000  0.00000 octadecane
   9   9.581 VV     0.0298  913.86932  0.00113 nonadecane
  10   9.687 VV     0.0517   12.84403 1.586e-5 OTP
  11  10.061 VB     0.0327  781.22754  0.00096 eicosane
  12  11.012 VV     0.0482    3.75088 4.630e-6 docosane
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.398	VV	0.0337	3038.98022	0.00375	COD
14	11.822	VV	0.0303	4.43323	5.473e-6	tetracosane
15	12.575	VV	0.0377	13.54790	1.672e-5	hexacosane
16	13.277	VB	0.0302	768.61200	0.00095	octacosane
17	13.983	VB	0.0402	17.57025	2.169e-5	triacontane
18	16.138	BB	0.0700	6.09975	7.530e-6	hexatriacontane

Totals : 6970.42457 8.605e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.551	PV	0.0230	25.61399	3.162e-5	?
2	0.591	VV	0.0110	33.86264	4.180e-5	?
3	1.815	VV S	0.9936	7.99843e7	98.74076	?
4	1.867	VV S	0.0181	8.51735e5	1.05147	?
5	1.909	VV S	0.0233	9145.66406	0.01129	?
6	1.953	VV S	0.0343	1.17810e4	0.01454	?
7	1.991	VV S	0.0740	2.16693e4	0.02675	?
8	2.080	VV S	0.0415	1.29152e4	0.01594	?
9	2.132	VV S	0.0353	1.00727e4	0.01243	?
10	2.174	VV S	0.0369	1.10209e4	0.01361	?
11	2.227	VV S	0.0289	9349.23926	0.01154	?
12	2.268	VV S	0.0485	1.16128e4	0.01434	?
13	2.325	VV S	0.0309	7680.15430	0.00948	?
14	2.368	VV S	0.0301	6663.72168	0.00823	?
15	2.414	VV S	0.0392	8860.86035	0.01094	?
16	2.457	VV S	0.0272	6048.86572	0.00747	?
17	2.515	VV S	0.0508	9679.11230	0.01195	?
18	2.556	VV S	0.0345	5966.11523	0.00737	?
19	2.599	VV S	0.0944	1.50379e4	0.01856	?
20	2.738	VBAS	0.0616	3577.43750	0.00442	?
21	4.348	BV	0.0322	4.59404	5.671e-6	?
22	4.390	VB	0.0368	3.54024	4.370e-6	?
23	4.698	VV	0.0307	3.70685	4.576e-6	?
24	4.741	VV	0.0252	1.98603	2.452e-6	?
25	9.898	VV	0.0569	7.69894	9.504e-6	?
26	10.681	VV	0.0568	10.77327	1.330e-5	?
27	10.866	VV	0.0598	10.98505	1.356e-5	?
28	10.959	VV	0.0412	6.79865	8.393e-6	?
29	11.587	VV	0.0513	8.49876	1.049e-5	?
30	11.758	VV	0.0584	6.02655	7.440e-6	?
31	12.206	VV	0.0301	4.79950	5.925e-6	?
32	12.936	BB	0.0299	14.08891	1.739e-5	?
33	13.591	[illegible]	0.0413	6.25888	7.727e-6	?
34	13.659	VV	0.0381	16.55616	2.044e-5	?
35	13.908	VV	0.0427	4.23847	5.232e-6	?
36	14.303	VV	0.0393	17.28277	2.134e-5	?
37	14.609	VV	0.0497	22.77839	2.812e-5	?
38	14.916	VV	0.0447	17.32175	2.138e-5	?
39	15.263	VV	0.0594	16.04654	1.981e-5	?
40	15.664	VP	0.0631	11.26318	1.390e-5	?

Uncalib. totals : 8.09974e7 99.9914

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

==========

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\EP071105\039F3501.D
perator : DCS
nstrument : GC6
ample Name : G161-2048-22C x1 ms R
un Time Bar Code: 138104
cquired on : 12 Jul 05 3:28:44 AM
eport Created on: 14 Jul 2005 10:42:14 AM
ast Recalib on : 11 Jul 2005 3:08:31 PM
ultiplier : 1.0000

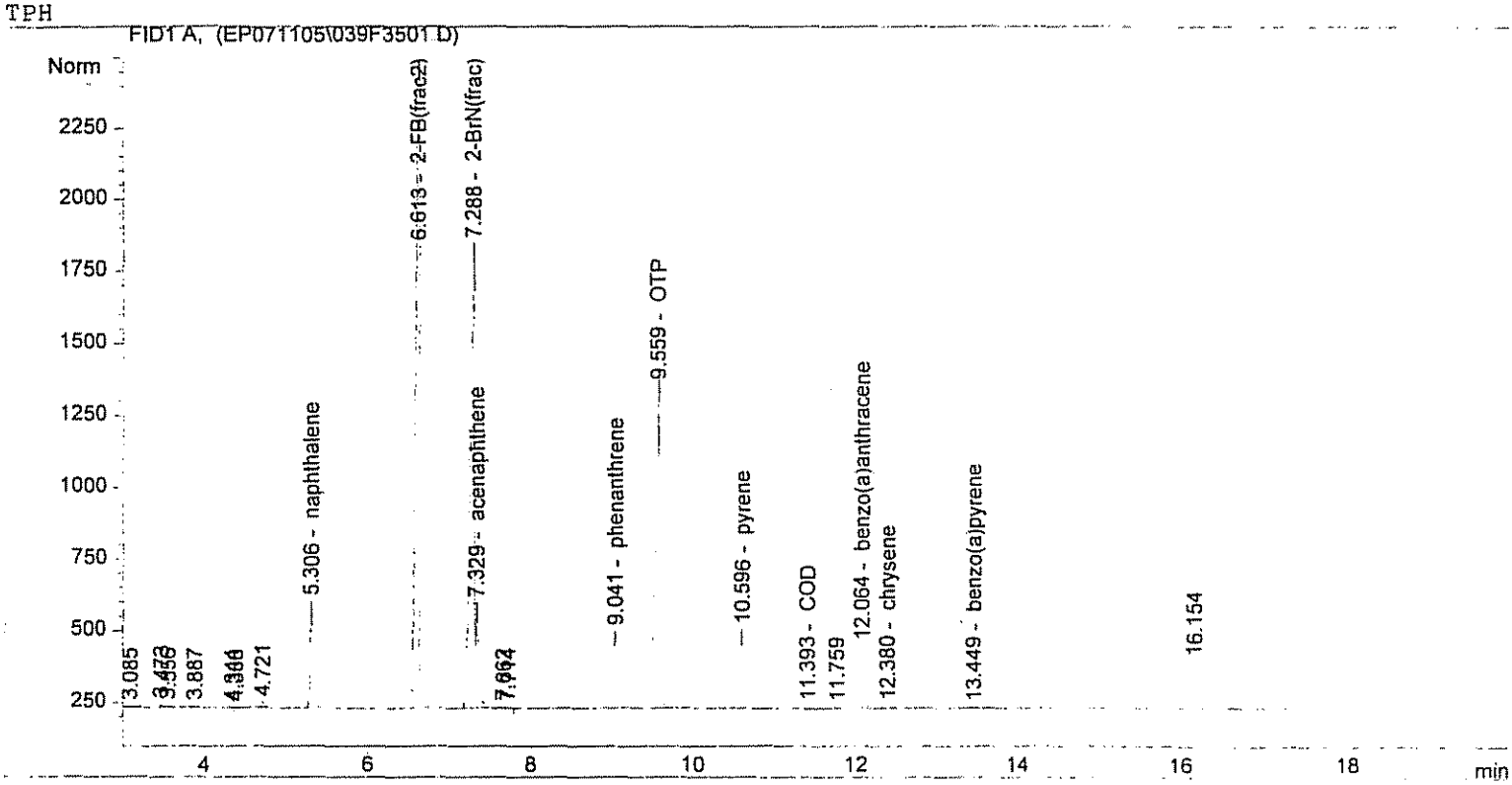
Page Number :
Vial Number : Vial 39
Injection Number : 1
Sequence Line : 35
Instrument Method: PROEPH.M
Analysis Method : EPH-R_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP071105\039F3501.D

et Time	Area	Type	Width	Ref#	ng	Name
5.306	652.93604	PB	0.02	1	0.00081	naphthalene
6.141	0.00000	XX	0.00	2	0.00000	2-methylnaphthalene
6.613	7906.35889	PB	0.04	3	0.00977	2-FB(frac2)
7.158	0.00000	XX	0.00	4	0.00000	acenaphthylene
7.288	5423.43457	BV	0.04	5	0.00670	2-BrN(frac)
7.329	841.51593	VB	0.03	6	0.00104	acenaphthene
8.000	0.00000	XX	0.00	7	0.00000	fluorene
9.041	867.88800	BB	0.04	8	0.00107	phenanthrene
9.111	0.00000	XX	0.00	9	0.00000	anthracene
9.559	3346.14062	BB	0.03	10	0.00413	OTP
10.460	0.00000	XX	0.00	11	0.00000	fluoranthene
10.596	853.22717	BB	0.04	12	0.00105	pyrene
11.393	11.39974	BB	0.03	13	1.408e-5	COD
12.064	771.72833	BV	0.04	14	0.00095	benzo(a)anthracene
12.380	33.81189	VB	0.05	15	4.178e-5	chrysene
13.250	0.00000	XX	0.00	16	0.00000	benzo(b)fluoranthene
13.270	0.00000	XX	0.00	17	0.00000	benzo(k)fluoranthene
13.449	9.76333	BB	0.04	18	1.206e-5	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
0.555	126.80203	PV	0.02	1	0.00016	* uncalibrated *
0.590	76.63029	VV	0.01	2	9.468e-5	* uncalibrated *
1.838	7.98971e7	VVS	0.98	3	98.71624	* uncalibrated *
1.876	8.50147e5	VBS	0.01	4	1.05039	* uncalibrated *
1.911	2.46874e4	BVT	0.06	5	0.03050	* uncalibrated *
1.941	7367.54346	VVT	0.01	6	0.00910	* uncalibrated *
1.965	1.41452e4	VVT	0.04	7	0.01748	* uncalibrated *
2.072	1.68261e4	VVT	0.05	8	0.02079	* uncalibrated *
2.120	1.10541e4	VVT	0.04	9	0.01366	* uncalibrated *
2.172	9491.61328	VVT	0.02	10	0.01173	* uncalibrated *
2.203	6762.34375	VVT	0.02	11	0.00836	* uncalibrated *
2.244	7500.92236	VVT	0.02	12	0.00927	* uncalibrated *
2.288	9089.60840	VVT	0.03	13	0.01123	* uncalibrated *
2.340	8734.01074	VVT	0.03	14	0.01079	* uncalibrated *
2.387	8092.71240	VVT	0.03	15	0.01000	* uncalibrated *
2.443	7543.12109	VVT	0.03	16	0.00932	* uncalibrated *
2.478	6366.49707	VVT	0.02	17	0.00787	* uncalibrated *
2.525	5922.12061	VVT	0.02	18	0.00732	* uncalibrated *
2.567	7142.06152	VVT	0.03	19	0.00882	* uncalibrated *
2.610	5832.10840	VVT	0.03	20	0.00721	* uncalibrated *
2.656	3529.54077	VVT	0.02	21	0.00436	* uncalibrated *
2.686	3658.36060	VVT	0.04	22	0.00452	* uncalibrated *

Injection Date : 7/12/2005 3:28:44 AM
Sample Name : 138104 x1 ms 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 : 7/11/2005 3:10:06 PM by DCS
TPH

Seq. Line : 35
Location : Vial 39
Inj : 1
Inj Volume : 10 µl



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 7/11/2005 3:08:31 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	5.306	PB	0.0277	652.93604	0.00081	naphthalene
2	6.141		0.0000	0.00000	0.00000	2-methylnaphthalene
3	6.613	PB	0.0453	7906.35889	0.00977	2-FB(frac2)
4	7.158		0.0000	0.00000	0.00000	acenaphthylene
5	7.288	BV	0.0432	5423.43457	0.00670	2-BrN(frac)
6	7.329	VB	0.0310	841.51593	0.00104	acenaphthene
7	8.000		0.0000	0.00000	0.00000	fluorene
8	9.041	BB	0.0458	867.88800	0.00107	phenanthrene
9	9.111		0.0000	0.00000	0.00000	anthracene
10	9.559	BB	0.0388	3346.14062	0.00413	OTP
11	10.460		0.0000	0.00000	0.00000	fluoranthene
12	10.596	BB	0.0435	853.22717	0.00105	pyrene
13	11.393	BB	0.0332	11.39974	1.408e-5	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	12.064	BV	0.0497	771.72833	0.00095	benzo(a)anthracene
15	12.380	VB	0.0544	33.81189	4.178e-5	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	13.449	BB	0.0489	9.76333	1.206e-5	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 : 2.07182e4 2.560e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.555	PV	0.0200	126.80203	0.00016	?
2	0.590	VV	0.0134	76.63029	9.468e-5	?
3	1.838	VV S	0.9860	7.98971e7	98.71624	?
4	1.876	VB S	0.0186	8.50147e5	1.05039	?
5	1.911	BV T	0.0613	2.46874e4	0.03050	?
6	1.941	VV T	0.0192	7367.54346	0.00910	?
7	1.965	VV T	0.0456	1.41452e4	0.01748	?
8	2.072	VV T	0.0540	1.68261e4	0.02079	?
9	2.120	VV T	0.0429	1.10541e4	0.01366	?
10	2.172	VV T	0.0273	9491.61328	0.01173	?
11	2.203	VV T	0.0231	6762.34375	0.00836	?
12	2.244	VV T	0.0268	7500.92236	0.00927	?
13	2.288	VV T	0.0358	9089.60840	0.01123	?
14	2.340	VV T	0.0316	8734.01074	0.01079	?
15	2.387	VV T	0.0320	8092.71240	0.01000	?
16	2.443	VV T	0.0344	7543.12109	0.00932	?
17	2.478	VV T	0.0281	6366.49707	0.00787	?
18	2.525	VV T	0.0288	5922.12061	0.00732	?
19	2.567	VV T	0.0341	7142.06152	0.00882	?
20	2.610	VV T	0.0302	5832.10840	0.00721	?
21	2.656	VV T	0.0241	3529.54077	0.00436	?
22	2.686	VV T	0.0478	3658.36060	0.00452	?
23	2.736	VV T	0.0241	1643.10413	0.00203	?
24	2.771	VV T	0.0347	1817.08704	0.00225	?
25	2.845	VV T	0.0456	15.84839	1.958e-5	?
26	3.085	VB T	0.0848	24.66363	3.047e-5	?
27	3.473	PB	0.0189	15.77812	1.949e-5	?
28	3.556	BB	0.0295	12.07481	1.492e-5	?
29	3.887	BB	0.0340	9.97544	1.233e-5	?
30	4.344	BV	0.0190	2.34833	2.901e-6	?
31	4.388	VB	0.0201	2.62374	3.242e-6	?
32	4.721	BB	0.0288	37.54969	4.639e-5	?
33	7.662	BV	0.0282	4.98996	6.165e-6	?
34	7.714	VB	0.0374	10.37085	1.281e-5	?
35	11.759	BB	0.0245	6.42329	7.936e-6	?
36	16.154	BB	0.0538	609.72998	0.00075	?

Uncalib. totals : 8.09154e7 99.9744

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

File Name : C:\HPCHEM\1\DATA\EP071105\040F3601.D
ator : DCS
rument : GC6
le Name : G161-2048-22D x1 msd K
Time Bar Code: 138105
ired on : 12 Jul 05 3:56:13 AM
rt Created on: 14 Jul 2005 10:37:31 AM
Recalib on : 8 Jun 2005 10:16:23 AM
iplier : 1.0000

Page Number :
Vial Number : Vial 40
Injection Number : 1
Sequence Line : 36
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

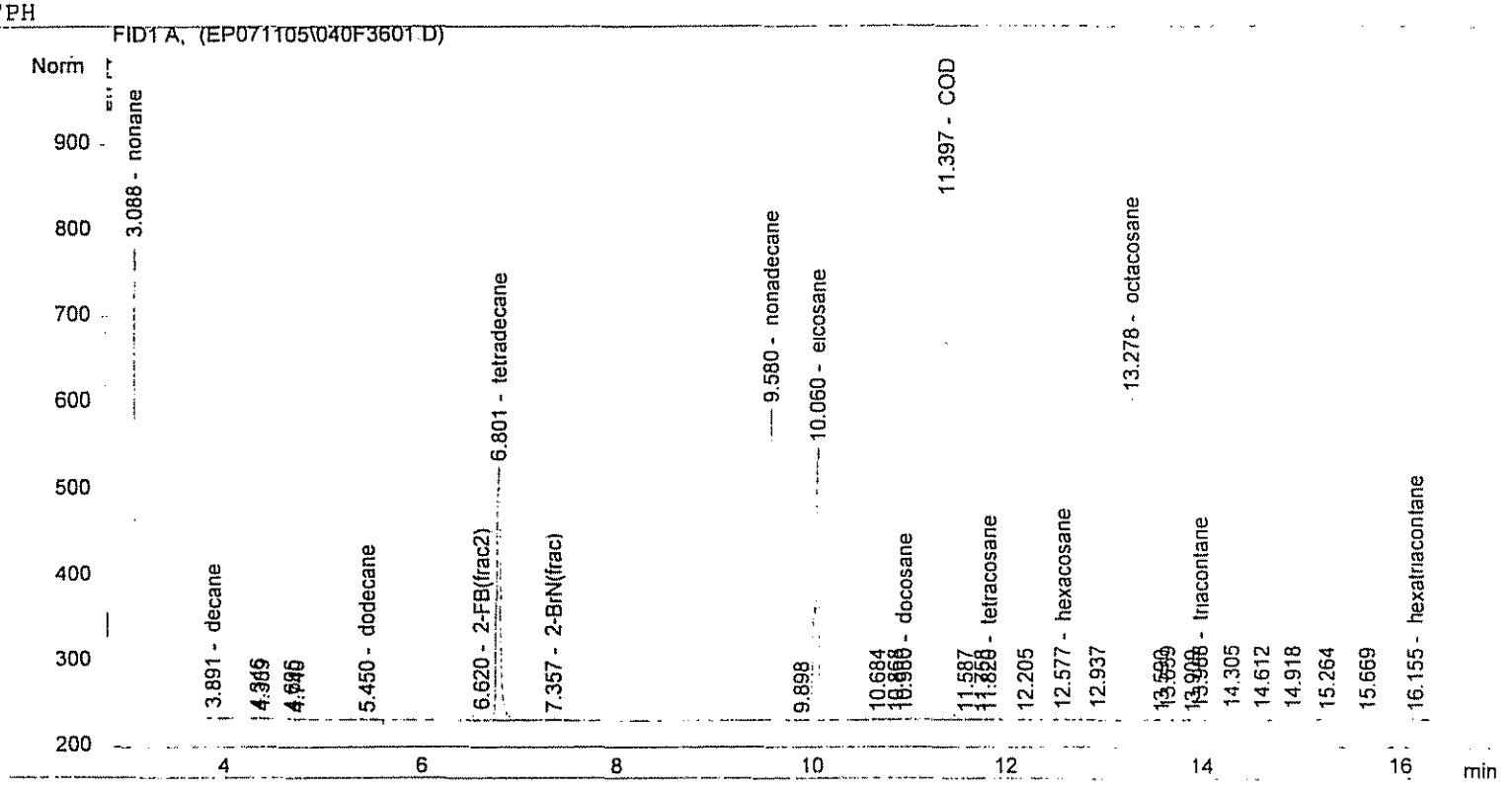
1 in C:\HPCHEM\1\DATA\EP071105\040F3601.D

Time	Area	Type	Width	Ref#	ng	Name
5.088	554.30182	VB	0.01	1	0.00068	nonane
5.891	11.72706	BB	0.03	2	1.429e-5	decane
6.450	6.80520	VB	0.06	3	8.295e-6	dodecane
6.620	18.32251	VV	0.04	4	2.233e-5	2-FB(frac2)
6.801	863.00110	VB	0.04	5	0.00105	tetradecane
7.357	14.38467	VP	0.08	6	1.753e-5	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
9.570	0.00000	XX	0.00	9	0.00000	OTP
9.580	956.86694	VB	0.03	10	0.00117	nonadecane
10.060	808.12811	VP	0.03	11	0.00099	eicosane
10.960	6.51541	VP	0.04	12	7.941e-6	docosane
11.397	3043.98486	BV	0.03	13	0.00371	COD
11.820	3.37433	VV	0.03	14	4.113e-6	tetracosane
12.577	12.74598	VB	0.03	15	1.554e-5	hexacosane
13.278	790.03979	BB	0.03	16	0.00096	octacosane
13.988	16.25498	VB	0.04	17	1.981e-5	triacontane
16.155	5.65878	BP	0.06	18	6.897e-6	hexatriacontane
10.566	28.85073	PV	0.04	1	3.517e-5	* uncalibrated *
11.841	8.10446e7	VVS	1.00	2	98.78320	* uncalibrated *
11.887	8.46322e5	VVS	0.01	3	1.03156	* uncalibrated *
11.949	1.11387e4	VVS	0.03	4	0.01358	* uncalibrated *
11.982	9227.44434	VVS	0.02	5	0.01125	* uncalibrated *
12.027	1.13110e4	VVS	0.03	6	0.01379	* uncalibrated *
12.068	6222.97217	VVS	0.02	7	0.00759	* uncalibrated *
12.102	1.22423e4	VVS	0.05	8	0.01492	* uncalibrated *
12.161	9495.27148	VVS	0.03	9	0.01157	* uncalibrated *
12.204	8708.78223	VVS	0.03	10	0.01061	* uncalibrated *
12.235	5396.99170	VVS	0.02	11	0.00658	* uncalibrated *
12.272	7445.39111	VVS	0.02	12	0.00908	* uncalibrated *
12.320	1.12388e4	VVS	0.05	13	0.01370	* uncalibrated *
12.383	8638.32324	VVS	0.04	14	0.01053	* uncalibrated *
12.432	8823.99707	VVS	0.04	15	0.01076	* uncalibrated *
12.496	7230.74121	VVS	0.03	16	0.00881	* uncalibrated *
12.529	1.96276e4	VVS	0.12	17	0.02392	* uncalibrated *
12.674	2796.68848	VVS	0.02	18	0.00341	* uncalibrated *
12.711	2034.23132	VVS	0.02	19	0.00248	* uncalibrated *
12.742	1731.17761	VVS	0.02	20	0.00211	* uncalibrated *
12.774	1366.33411	VBAS	0.02	21	0.00167	* uncalibrated *
14.346	5.59010	BV	0.02	22	6.814e-6	* uncalibrated *
14.389	2.89448	VP	0.02	23	3.528e-6	* uncalibrated *
14.696	4.54310	VV	0.02	24	5.537e-6	* uncalibrated *
14.740	2.65328	VV	0.02	25	3.234e-6	* uncalibrated *

Injection Date : 7/12/2005 3:56:13 AM
Sample Name : 138105 x1 msd K
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 : 7/14/2005 10:37:28 AM by DCS
(modified after loading)

Seq. Line : 36
Location : Vial 40
Inj : 1
Inj Volume : 10 µl

TPH



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 6/8/2005 10:16:23 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	3.088	VB	0.0157	554.30182	0.00068	nonane
2	3.891	BB	0.0354	11.72706	1.429e-5	decane
3	5.450	VB	0.0633	6.80520	8.295e-6	dodecane
4	6.620	VV	0.0496	18.32251	2.233e-5	2-FB(frac2)
5	6.801	VB	0.0441	863.00110	0.00105	tetradecane
6	7.357	VP	0.0822	14.38467	1.753e-5	2-BrN(frac)
7	8.095		0.0000	0.00000	0.00000	hexadecane
8	9.172		0.0000	0.00000	0.00000	octadecane
9	9.570		0.0000	0.00000	0.00000	OTP
10	9.580	VB	0.0368	956.86694	0.00117	nonadecane
11	10.060	VP	0.0348	808.12811	0.00099	eicosane
12	10.960	VP	0.0492	6.51541	7.941e-6	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.397	BV	0.0354	3043.98486	0.00371	COD
14	11.820	VV	0.0377	3.37433	4.113e-6	tetracosane
15	12.577	VB	0.0372	12.74598	1.554e-5	hexacosane
16	13.278	BB	0.0306	790.03979	0.00096	octacosane
17	13.988	VB	0.0400	16.25498	1.981e-5	triacontane
18	16.155	BP	0.0628	5.65878	6.897e-6	hexatriacontane

Totals : 7112.11155 8.669e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.566	PV	0.0405	28.85073	3.517e-5	?
2	1.841	VV S	1.0032	8.10446e7	98.78320	?
3	1.887	VV S	0.0176	8.46322e5	1.03156	?
4	1.949	VV S	0.0353	1.11387e4	0.01358	?
5	1.982	VV S	0.0297	9227.44434	0.01125	?
6	2.027	VV S	0.0375	1.13110e4	0.01379	?
7	2.068	VV S	0.0242	6222.97217	0.00759	?
8	2.102	VV S	0.0515	1.22423e4	0.01492	?
9	2.161	VV S	0.0333	9495.27148	0.01157	?
10	2.204	VV S	0.0361	8708.78223	0.01061	?
11	2.235	VV S	0.0280	5396.99170	0.00658	?
12	2.272	VV S	0.0281	7445.39111	0.00908	?
13	2.320	VV S	0.0533	1.12388e4	0.01370	?
14	2.383	VV S	0.0457	8638.32324	0.01053	?
15	2.432	VV S	0.0498	8823.99707	0.01076	?
16	2.496	VV S	0.0386	7230.74121	0.00881	?
17	2.529	VV S	0.1211	1.96276e4	0.02392	?
18	2.674	VV S	0.0250	2796.68848	0.00341	?
19	2.711	VV S	0.0246	2034.23132	0.00248	?
20	2.742	VV S	0.0270	1731.17761	0.00211	?
21	2.774	VBAS	0.0213	1366.33411	0.00167	?
22	4.346	BV	0.0255	5.59010	6.814e-6	?
23	4.389	VP	0.0243	2.89448	3.528e-6	?
24	4.696	VV	0.0274	4.54310	5.537e-6	?
25	4.740	VV	0.0285	2.65328	3.234e-6	?
26	9.898	PV	0.0477	3.79995	4.632e-6	?
27	10.684	PV	0.0557	6.70512	8.173e-6	?
28	10.868	VV	0.0491	5.06576	6.175e-6	?
29	11.587	VV	0.0523	5.75305	7.012e-6	?
30	11.758	VV	0.0538	4.38613	5.346e-6	?
31	12.205	VV	0.0296	4.80357	5.855e-6	?
32	12.937	BP	0.0317	14.87445	1.813e-5	?
33	13.590	PV	0.0356	4.81651	5.871e-6	?
34	13.659	VP	0.0366	14.36237	1.751e-5	?
35	13.909	BV	0.0403	4.41169	5.377e-6	?
36	14.305	VP	0.0414	17.14535	2.090e-5	?
37	14.612	BV	0.0455	20.41568	2.488e-5	?
38	14.918	VB	0.0429	15.33125	1.869e-5	?
39	15.264	VP	0.0533	13.44964	1.639e-5	?
40	15.669	PB	0.0508	7.27493	8.867e-6	?

Uncalib. totals : 8.20357e7 99.9913

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 ***

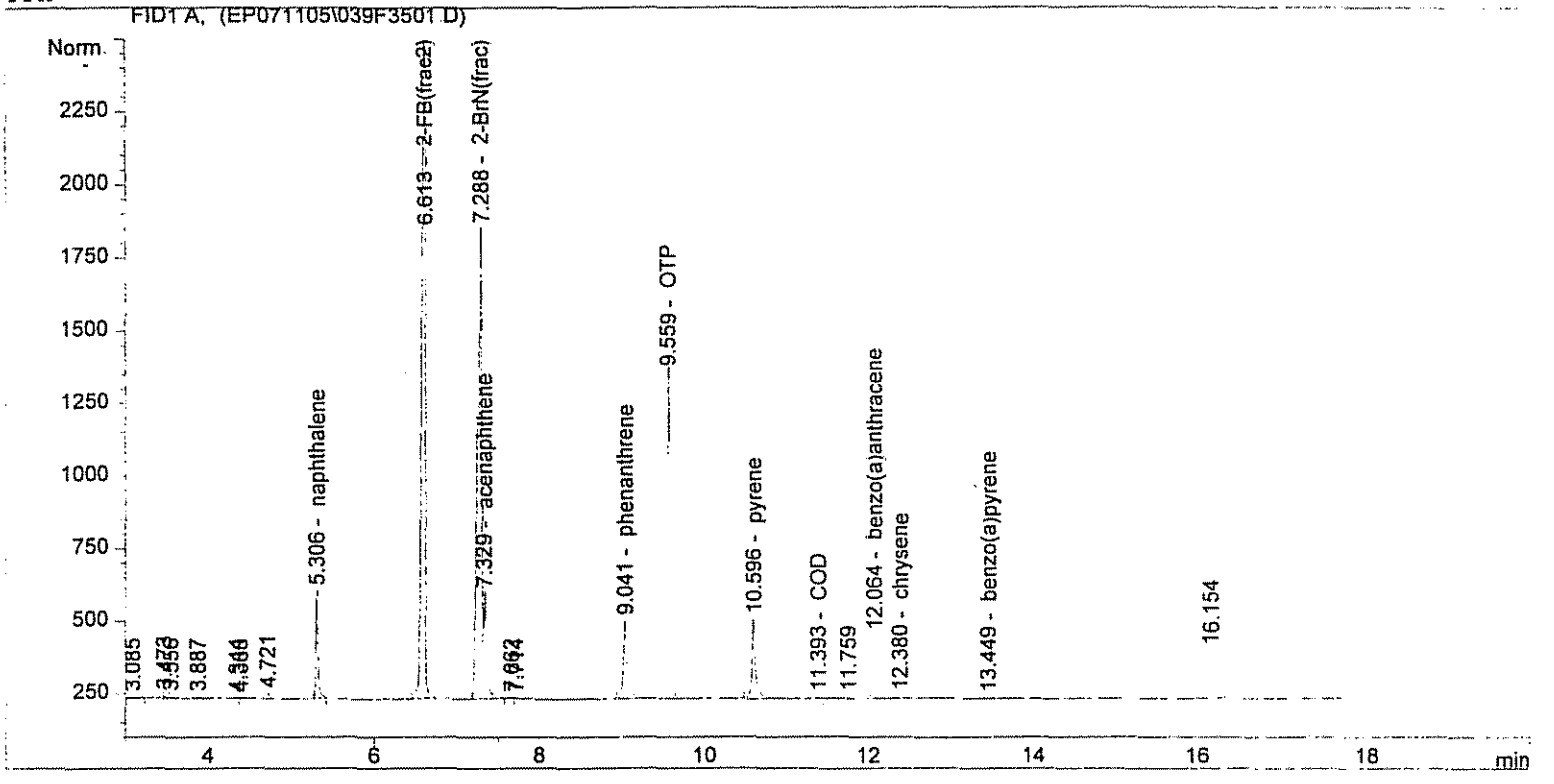
External Standard Report

ı File Name	: C:\HPCHEM\1\DATA\EP071105\041F3701.D		
·ator	: DCS	Page Number	:
:rument	: GC6	Vial Number	: Vial 41
›le Name	: G161-2048-22D x1 msd R	Injection Number	: 1
Time Bar Code	: 138105	Sequence Line	: 37
ıired on	: 12 Jul 05 4:24:12 AM	Instrument Method	: PROEPH.M
›rt Created on	: 14 Jul 2005 10:43:19 AM	Analysis Method	: EPH-R_F.M
: Recalib on	: 11 Jul 2005 3:08:31 PM	Sample Amount	: 10 ┤l
tiplier	: 1.0000	ISTD Amount	:

. 1 in C:\HPCHEM\1\DATA\EP071105\041F3701.D

Time	Area	Type	Width	Ref#	ng	Name
5.306	712.93713	BB	0.02	1	0.00088	naphthalene
5.141	0.00000	XX	0.00	2	0.00000	2-methylnaphthalene
5.613	8467.82422	PB	0.04	3	0.01044	2-FB(frac2)
7.158	0.00000	XX	0.00	4	0.00000	acenaphthylene
7.291	5901.25000	PV	0.04	5	0.00727	2-BrN(frac)
7.331	819.36304	VB	0.02	6	0.00101	acenaphthene
8.000	0.00000	XX	0.00	7	0.00000	fluorene
9.044	939.19836	BB	0.04	8	0.00116	phenanthrene
9.111	0.00000	XX	0.00	9	0.00000	anthracene
9.561	3447.27930	PB	0.03	10	0.00425	OTP
0.460	0.00000	XX	0.00	11	0.00000	fluoranthene
0.596	906.82593	BB	0.04	12	0.00112	pyrene
1.395	11.72327	BB	0.02	13	1.445e-5	COD
2.065	767.55780	BB	0.04	14	0.00095	benzo(a)anthracene
2.382	6.93756	PB	0.02	15	8.552e-6	chrysene
3.250	0.00000	XX	0.00	16	0.00000	benzo(b)fluoranthene
3.270	0.00000	XX	0.00	17	0.00000	benzo(k)fluoranthene
3.912	3.52157	BB	0.03	18	4.341e-6	benzo(a)pyrene
4.607	0.00000	XX	0.00	19	0.00000	dibenzo(a,h)anthracene
4.640	0.00000	XX	0.00	20	0.00000	indeno(1,2,3-cd)pyrene
4.750	3.24747	BP	0.03	21	4.003e-6	benzo(g,h,i)perylene
0.555	116.65475	PV	0.02	1	0.00014	* uncalibrated *
0.591	88.84241	VV	0.01	2	0.00011	* uncalibrated *
1.847	8.00553e7	VVS	0.99	3	98.68305	* uncalibrated *
1.886	8.71945e5	VPS	0.01	4	1.07483	* uncalibrated *
1.973	4.10088e4	VVS	0.07	5	0.05055	* uncalibrated *
2.007	1.05590e4	VVS	0.03	6	0.01302	* uncalibrated *
2.049	9219.45898	VVS	0.03	7	0.01136	* uncalibrated *
2.085	1.13961e4	VVS	0.03	8	0.01405	* uncalibrated *
2.143	9277.16699	VVS	0.02	9	0.01144	* uncalibrated *
2.192	1.21213e4	VVS	0.04	10	0.01494	* uncalibrated *
2.243	8807.64355	VVS	0.03	11	0.01086	* uncalibrated *
2.290	9452.38672	VVS	0.04	12	0.01165	* uncalibrated *
2.346	8562.77344	VVS	0.03	13	0.01056	* uncalibrated *
2.386	1.42374e4	VVS	0.07	14	0.01755	* uncalibrated *
2.479	7716.22217	VVS	0.03	15	0.00951	* uncalibrated *
2.517	6219.75195	VVS	0.03	16	0.00767	* uncalibrated *
2.555	3615.28076	VVS	0.02	17	0.00446	* uncalibrated *
2.591	6299.24219	VVS	0.03	18	0.00776	* uncalibrated *
2.629	6096.60498	VVS	0.03	19	0.00752	* uncalibrated *
2.670	2848.62305	VVS	0.02	20	0.00351	* uncalibrated *
2.707	2955.74390	VVS	0.04	21	0.00364	* uncalibrated *
2.756	2204.25293	VVS	0.02	22	0.00272	* uncalibrated *

```
==========================================================================
Injection Date  : 7/12/2005 3:28:44 AM          Seq. Line :  35
Sample Name     : 138104 x1 ms R                 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\EPH-R_F.M
Last changed    : 7/11/2005 3:10:06 PM by DCS
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/11/2005 3:08:31 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	5.306	PB	0.0277	652.93604	0.00081	naphthalene
2	6.141		0.0000	0.00000	0.00000	2-methylnaphthalene
3	6.613	PB	0.0453	7906.35889	0.00977	2-FB(frac2)
4	7.158		0.0000	0.00000	0.00000	acenaphthylene
5	7.288	BV	0.0432	5423.43457	0.00670	2-BrN(frac)
6	7.329	VB	0.0310	841.51593	0.00104	acenaphthene
7	8.000		0.0000	0.00000	0.00000	fluorene
8	9.041	BB	0.0458	867.88800	0.00107	phenanthrene
9	9.111		0.0000	0.00000	0.00000	anthracene
10	9.559	BB	0.0388	3346.14062	0.00413	OTP
11	10.460		0.0000	0.00000	0.00000	fluoranthene
12	10.596	BB	0.0435	853.22717	0.00105	pyrene
13	11.393	BB	0.0332	11.39974	1.408e-5	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	12.064	BV	0.0497	771.72833	0.00095	benzo(a)anthracene
15	12.380	VB	0.0544	33.81189	4.178e-5	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	13.449	BB	0.0489	9.76333	1.206e-5	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 : 2.07182e4 2.560e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.555	PV	0.0200	126.80203	0.00016	?
2	0.590	VV	0.0134	76.63029	9.468e-5	?
3	1.838	VV S	0.9860	7.98971e7	98.71624	?
4	1.876	VB S	0.0186	8.50147e5	1.05039	?
5	1.911	BV T	0.0613	2.46874e4	0.03050	?
6	1.941	VV T	0.0192	7367.54346	0.00910	?
7	1.965	VV T	0.0456	1.41452e4	0.01748	?
8	2.072	VV T	0.0540	1.68261e4	0.02079	?
9	2.120	VV T	0.0429	1.10541e4	0.01366	?
10	2.172	VV T	0.0273	9491.61328	0.01173	?
11	2.203	VV T	0.0231	6762.34375	0.00836	?
12	2.244	VV T	0.0268	7500.92236	0.00927	?
13	2.288	VV T	0.0358	9089.60840	0.01123	?
14	2.340	VV T	0.0316	8734.01074	0.01079	?
15	2.387	VV T	0.0320	8092.71240	0.01000	?
16	2.443	VV T	0.0344	7543.12109	0.00932	?
17	2.478	VV T	0.0281	6366.49707	0.00787	?
18	2.525	VV T	0.0288	5922.12061	0.00732	?
19	2.567	VV T	0.0341	7142.06152	0.00882	?
20	2.610	VV T	0.0302	5832.10840	0.00721	?
21	2.656	VV T	0.0241	3529.54077	0.00436	?
22	2.686	VV T	0.0478	3658.36060	0.00452	?
23	2.736	VV T	0.0241	1643.10413	0.00203	?
24	2.771	VV T	0.0347	1817.08704	0.00225	?
25	2.845	VV T	0.0456	15.84839	1.958e-5	?
26	3.085	VB T	0.0848	24.66363	3.047e-5	?
27	3.473	PB	0.0189	15.77812	1.949e-5	?
28	3.556	BB	0.0295	12.07481	1.492e-5	?
29	3.887	BB	0.0340	9.97544	1.233e-5	?
30	4.344	BV	0.0190	2.34833	2.901e-6	?
31	4.388	VB	0.0201	2.62374	3.242e-6	?
32	4.721	BB	0.0288	37.54969	4.639e-5	?
33	7.662	BV	0.0282	4.98996	6.165e-6	?
34	7.714	VB	0.0374	10.37085	1.281e-5	?
35	11.759	BB	0.0245	6.42329	7.936e-6	?
36	16.154	BB	0.0538	609.72998	0.00075	?

Uncalib. totals : 8.09154e7 99.9744

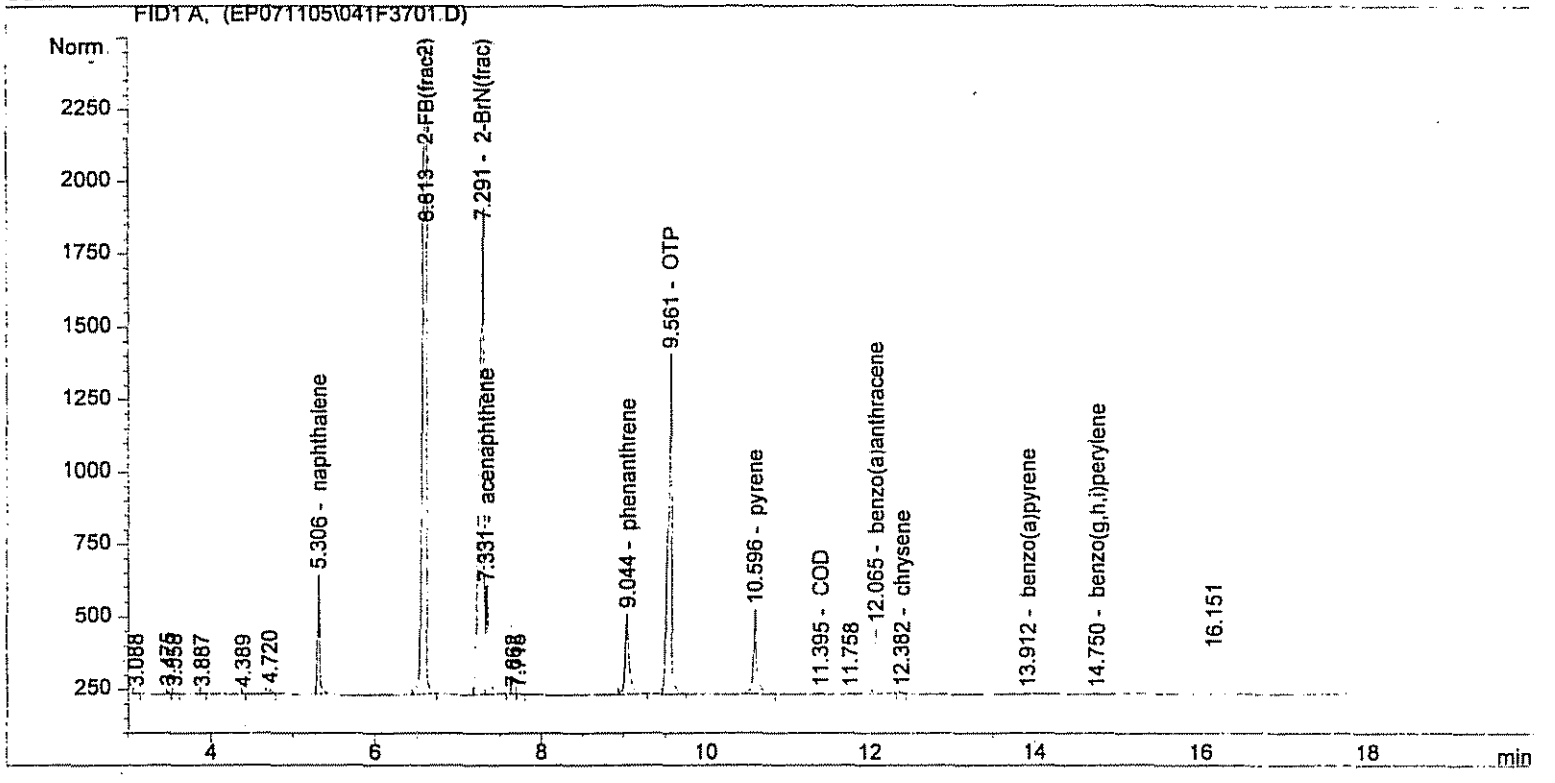
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

```
Injection Date  : 7/12/2005 4:24:12 AM          Seq. Line :  37
Sample Name     : 138105 x1 msd R                Location : Vial 41
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 3:10:06 PM by DCS
TPH
```



Area Percent Report

```
Sorted By              :      Signal
Calib. Data Modified   :      7/11/2005 3:08:31 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	5.306	BB	0.0263	712.93713	0.00088	naphthalene
2	6.141		0.0000	0.00000	0.00000	2-methylnaphthalene
3	6.613	PB	0.0426	8467.82422	0.01044	2-FB(frac2)
4	7.158		0.0000	0.00000	0.00000	acenaphthylene
5	7.291	PV	0.0460	5901.25000	0.00727	2-BrN(frac)
6	7.331	VB	0.0299	819.36304	0.00101	acenaphthene
7	8.000		0.0000	0.00000	0.00000	fluorene
8	9.044	BB	0.0486	939.19836	0.00116	phenanthrene
9	9.111		0.0000	0.00000	0.00000	anthracene
10	9.561	PB	0.0393	3447.27930	0.00425	OTP
11	10.460		0.0000	0.00000	0.00000	fluoranthene
12	10.596	BB	0.0437	906.82593	0.00112	pyrene
13	11.395	BB	0.0292	11.72327	1.445e-5	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	12.065	BB	0.0478	767.55780	0.00095	benzo(a)anthracene
15	12.382	PB	0.0294	6.93756	8.552e-6	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	13.912	BB	0.0323	3.52157	4.341e-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	14.750	BP	0.0310	3.24747	4.003e-6	benzo(g,h,i)perylene

Totals : 2.19877e4 2.710e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.555	PV	0.0201	116.65475	0.00014	?
2	0.591	VV	0.0103	88.84241	0.00011	?
3	1.847	VV S	0.9928	8.00553e7	98.68305	?
4	1.886	VP S	0.0191	8.71945e5	1.07483	?
5	1.973	VV S	0.0774	4.10088e4	0.05055	?
6	2.007	VV S	0.0324	1.05590e4	0.01302	?
7	2.049	VV S	0.0317	9219.45898	0.01136	?
8	2.085	VV S	0.0368	1.13961e4	0.01405	?
9	2.143	VV S	0.0296	9277.16699	0.01144	?
10	2.192	VV S	0.0456	1.21213e4	0.01494	?
11	2.243	VV S	0.0361	8807.64355	0.01086	?
12	2.290	VV S	0.0436	9452.38672	0.01165	?
13	2.346	VV S	0.0374	8562.77344	0.01056	?
14	2.386	VV S	0.0769	1.42374e4	0.01755	?
15	2.479	VV S	0.0339	7716.22217	0.00951	?
16	2.517	VV S	0.0310	6219.75195	0.00767	?
17	2.555	VV S	0.0209	3615.28076	0.00446	?
18	2.591	VV S	0.0366	6299.24219	0.00776	?
19	2.629	VV S	0.0322	6096.60498	0.00752	?
20	2.670	VV S	0.0237	2848.62305	0.00351	?
21	2.707	VV S	0.0413	2955.74390	0.00364	?
22	2.756	VV S	0.0276	2204.25293	0.00272	?
23	2.783	VB S	0.0222	1019.10260	0.00126	?
24	3.088	BB	0.0256	4.62236	5.698e-6	?
25	3.475	PB	0.0194	12.31127	1.518e-5	?
26	3.558	BP	0.0287	9.50458	1.172e-5	?
27	3.887	BB	0.0289	8.61985	1.063e-5	?
28	4.389	BB	0.0177	2.02375	2.495e-6	?
29	4.720	BB	0.0293	35.64606	4.394e-5	?
30	7.662	BV	0.0292	6.34401	7.820e-6	?
31	7.715	VB	0.0383	11.05938	1.363e-5	?
32	11.758	BB	0.0216	5.89434	7.266e-6	?
33	16.151	BB	0.0541	509.71249	0.00063	?

Uncalib. totals : 8.11017e7 99.9729

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

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	10ul	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	10ul	50ml	1000ug/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	500ul	25ml	5000ug/mL	1000ug/mL	MeCl2	—	8/05	5/13/05	CP
N	SV03-W17D	8/05	EPH Surr	6ml	↓	400ug/mL	100ug/mL	↓		↓	↓	↓
O	ECD03-W8RSA	5/6/06	PCP Matrix Spike	20ul	10mL	1000ug/mL	2000ug/L	MeOH		5/15/05	5/15/05	[illegible]
P	ECD03-R7K	5/16/06	Aromatic Std	800ul	20ml	1000ug/ml	40ug/ml	Hexane		5/16/06	5/16/05	CP
Q	ECD03-W12Q		Frac	800ul	↓	10000ug/ml	400ug/ml	↓		↓	↓	↓
R	SV03-W17P		EPH Surr	2ml	~~10ml~~	400ug/ml	40ug/ml	↓		↓	↓	↓
S	ECD03-R7L	5/26/06	Aliphatic 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-R6T	1/7/06	1016/1260 Std	100ul	25ml	1000ug/mL	4000ug/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.

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	PC
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	CH_2Cl_2		6/29/06	6/29/05	PC
D	ECD03-R60	8/25/05	EDB Std	17.5ul	50ml	200ug/mL	70ug/L	Hexane		8/25/05	7/12/05	CP
E												
F												
G												
H												
I												
J												
K												
L												
M												
N												
O												
P												
Q												
R												
S												
T												
U												
V												
W												

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: ep070605

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001F0101.D	K 20 ccal	7/6/05 7:43					DCS	
002F0201.D	R 20 ccal	7/6/05 8:10					DCS	
003F0301.D	G546-37-3H x1 K	7/6/05 8:37	cid= 134824				DCS	
004F0401.D	G546-37-3H x1 R	7/6/05 9:05	cid= 134824				DCS	
005F0501.D	G546-37-4H x1 K	7/6/05 9:33	cid= 134825				DCS	
006F0601.D	G546-37-4H x1 R	7/6/05 10:01	cid= 134825				DCS	
007F0701.D	G546-37-5H x1 K	7/6/05 10:28	cid= 134826				DCS	
008F0801.D	G546-37-5H x1 R	7/6/05 10:55	cid= 134826				DCS	
009F0901.D	G162-160-3I x4 K	7/6/05 11:22	cid= 134502				DCS	
010F1001.D	G546-37-6H x1 K	7/6/05 11:49	cid= 134827				DCS	
011F1101.D	G546-37-6H x1 R	7/6/05 12:17	cid= 134827				DCS	
012F1201.D	G311-122-1O x1 K	7/6/05 15:25	cid= 135276				DCS	
013F1301.D	G311-122-1O x1 R	7/6/05 15:52	cid= 135276				DCS	
014F1401.D	G349-106-5C x4 K	7/6/05 16:20	cid= 135141				DCS	
015F1501.D	G349-106-5C x1 R	7/6/05 16:47	cid= 135141				DCS	
016F1601.D	G510-228-1I x1 K	7/6/05 17:14	cid= 136617				DCS	
017F1701.D	G510-228-1I x1 R	7/6/05 17:41	cid= 136617				DCS	
018F1801.D	G349-106-4C x2 K	7/6/05 18:08	cid= 135138				DCS	
019F1901.D	G349-106-4C x1 R	7/6/05 18:35	cid= 135138				DCS	
020F2001.D	G161-2047-1G x1 T	7/6/05 19:02	cid= 137791				DCS	
021F2101.D	G161-2047-2G x1 T	7/6/05 19:30	cid= 137792				DCS	
022F2201.D	G161-2047-3G x1 T	7/6/05 19:56	cid= 137793				DCS	

Analyst: Page Number: _____

Paradigm Analytical

ECD1 Runlog Sheet

Method: _____ Initial Cal. Curve: _____

Matrix: _____ Batch: ep070605

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
023F2301.D	K 20 ccal	7/6/05 20:23					DCS	
024F2401.D	R 20 ccal	7/6/05 20:51					DCS	
025F2501.D	G161-2047-4G x1 T	7/6/05 21:18	cid= 137794				DCS	
026F2601.D	G161-2047-5G x1 T	7/6/05 21:45	cid= 137795				DCS	
027F2701.D	G161-2047-6G x1 T	7/6/05 22:13	cid= 137796				DCS	
028F2801.D	G161-2047-7G x1 T	7/6/05 22:40	cid= 137797				DCS	
029F2901.D	G161-2047-8G x1 T	7/6/05 23:07	cid= 137798				DCS	
030F3001.D	G161-2047-9G x1 T	7/6/05 23:35	cid= 137799				DCS	
031F3101.D	G161-2047-10G x1 T	7/7/05 0:02	cid= 137800				DCS	
032F3201.D	G161-2047-11G x1 T	7/7/05 0:29	cid= 137803				DCS	
033F3301.D	G161-2047-12G x1 T	7/7/05 0:57	cid= 137804				DCS	
034F3401.D	G161-2047-13G x1 T	7/7/05 1:24	cid= 137806				DCS	
035F3501.D	G161-2048-1G x1 T	7/7/05 1:51	cid= 137807				DCS	
036F3601.D	G161-2048-2G x1 T	7/7/05 2:19	cid= 137808				DCS	
037F3701.D	G161-2047-14G x1 T	7/7/05 2:47	cid= 138086				DCS	
038F3801.D	G161-2047-15G x1 T	7/7/05 3:14	cid= 138087				DCS	
039F3901.D	G161-2047-16G x1 T	7/7/05 3:41	cid= 138088				DCS	
040F4001.D	G161-2048-3G x1 T	7/7/05 4:07	cid= 138089				DCS	
041F4101.D	G161-2048-4G x1 T	7/7/05 4:35	cid= 138090				DCS	
042F4201.D	G161-2048-5G x1 T	7/7/05 5:02	cid= 138091				DCS	
043F4301.D	G161-2048-6G x1 T	7/7/05 5:30	cid= 138092				DCS	
044F4401.D	G161-2048-7G x1 T	7/7/05 5:58	cid= 138093				DCS	

Analyst: _____ Page Number: _____

Paradigm Analytical

ECD1 Runlog Sheet

Method: _____ Initial Cal. Curve: _____

Matrix: _____ Batch: EP070705

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
023F2301.D	K 20 ccal	7/7/05 19:18					DCS	
024F2401.D	R 20 ccal	7/7/05 19:45					DCS	
025F2501.D	G510-233-1G x1 K	7/7/05 20:12	cid= 137372				DCS	
026F2601.D	G510-233-1G x1 R	7/7/05 20:39	cid= 137372				DCS	
027F2701.D	G161-2047-13G x4 K	7/7/05 21:07	cid= 137806				DCS	
028F2801.D	G161-2047-13G x1 R	7/7/05 21:35	cid= 137806				DCS	
029F2901.D	G161-2048-5G x1 K	7/7/05 22:02	cid= 138091				DCS	
030F3001.D	G161-2048-5G x1 R	7/7/05 22:29	cid= 138091				DCS	
031F3101.D	G161-2048-6G x1 K	7/7/05 22:56	cid= 138092				DCS	
032F3201.D	G161-2048-6G x1 R	7/7/05 23:24	cid= 138092				DCS	
033F3301.D	G161-2047-1G x1 K	7/7/05 23:52	cid= 137791				DCS	
034F3401.D	G161-2047-1G x1 R	7/8/05 0:19	cid= 137791				DCS	
035F3501.D	G161-2048-1G x1 K	7/8/05 0:47	cid= 137807				DCS	
036F3601.D	G161-2048-1G x4 R	7/8/05 1:15	cid= 137807				DCS	
037F3701.D	G161-2047-15G x1 K	7/8/05 1:42	cid= 138087				DCS	
038F3801.D	G161-2047-15G x1 R	7/8/05 2:10	cid= 138087				DCS	
039F3901.D	G161-2048-2G x1 K	7/8/05 2:37	cid= 137808				DCS	
040F4001.D	G161-2048-2G x1 R	7/8/05 3:04	cid= 137808				DCS	
041F4101.D	pb3167 x1 T	7/8/05 3:31					DCS	
042F4201.D	pb3173 x1 T	7/8/05 3:58					DCS	
043F4301.D	G161-2047-12H x1 T	7/8/05 4:25	cid= 137805				DCS	

Analyst: _____ Page Number: _____

Paradigm Analytical

ECD1 Runlog Sheet

Method: _____ Initial Cal. Curve: _____

Matrix: _____ Batch: EP070705

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001F0101.D	K 20 ccal	7/7/05 9:19					DCS	
002F0201.D	R 20 ccal	7/7/05 9:46					DCS	
003F0301.D	G161-2048-8G x1 T	7/7/05 10:12	cid= 138094				DCS	
004F0401.D	G161-2048-9G x1 T	7/7/05 10:40	cid= 138095				DCS	
005F0501.D	G161-2048-10G x1 T	7/7/05 11:07	cid= 138096				DCS	
006F0601.D	G161-2048-11G x1 T	7/7/05 11:34	cid= 138097				DCS	
007F0701.D	G161-2048-12G x1 T	7/7/05 12:01	cid= 138098				DCS	
008F0801.D	G161-2048-13G x1 T	7/7/05 12:28	cid= 138099				DCS	
009F0901.D	G161-2048-14G x1 T	7/7/05 12:56	cid= 138100				DCS	
010F1001.D	G161-2048-21B x1 T	7/7/05 13:23	cid= 138102				DCS	
011F1101.D	G161-2048-22B x1 T	7/7/05 13:51	cid= 138103				DCS	
012F1201.D	G161-2048-23B x1 T	7/7/05 14:17	cid= 138106				DCS	
013F1301.D	G161-2048-24B x1 T	7/7/05 14:44	cid= 138107				DCS	
014F1401.D	G161-2048-14H x1 T	7/7/05 15:12	cid= 138101				DCS	
015F1501.D	G161-2046-3M x1 K	7/7/05 15:39	cid= 137511				DCS	
016F1601.D	G161-2046-3M x1 R	7/7/05 16:06	cid= 137511				DCS	
017F1701.D	G161-2046-2M x2 K	7/7/05 16:33	cid= 137510				DCS	
018F1801.D	G161-2046-2M x4 R	7/7/05 17:01	cid= 137510				DCS	
019F1901.D	G211-1832-2G x1 K	7/7/05 17:28	cid= 137367				DCS	
020F2001.D	G211-1832-2G x1 R	7/7/05 17:55	cid= 137367				DCS	
021F2101.D	G510-231-3J x1 K	7/7/05 18:23	cid= 137371				DCS	
022F2201.D	G510-231-3J x1 R	7/7/05 18:50	cid= 137371				DCS	

Analyst: _____ Page Number: _____

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	CV
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	CV
020F2001.D	pb3191 x1 T	7/8/05 17:27					DCS	

Analyst: _____ Page Number: _____

Paradigm Analytical

ECD1 Runlog Sheet

Method: _____ Initial Cal. Curve: _____

Matrix: _____ Batch: ep071105

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001F0101.D	K 20 ccal	7/11/05 8:49					DCS	
002F0201.D	R 20 ccal	7/11/05 9:17					DCS	
003F0301.D	G161-2046-2M x1 K	7/11/05 9:43	cid= 137510				DCS	
004F0401.D	G161-2046-2M x1 R	7/11/05 10:11	cid= 137510				DCS	
005F0101.D	G161-2047-10H x1 ms K	7/11/05 12:01	cid= 137801				DCS	
006F0201.D	G161-2047-10H x1 ms R	7/11/05 12:28	cid= 137801				DCS	
007F0301.D	G161-2047-10I x1 msd K	7/11/05 12:55	cid= 137802				DCS	
008F0401.D	G161-2047-10I x1 msd R	7/11/05 13:22	cid= 137802				DCS	
009F0501.D	lcs3167 x1 K	7/11/05 13:49					DCS	
010F0601.D	K 20 ccal	7/11/05 14:16		✓			DCS	
011F0701.D	R 20 ccal	7/11/05 14:43		✓			DCS	
012F0801.D	G161-2046-2M x1 K	7/11/05 15:10	cid= 137510				DCS	
013F0901.D	G161-2046-2M x1 R	7/11/05 15:37	cid= 137510				DCS	
014F1001.D	G161-2047-10H x1 ms K	7/11/05 16:04	cid= 137801				DCS	
015F1101.D	G161-2047-10H x1 ms R	7/11/05 16:31	cid= 137801				DCS	
016F1201.D	G161-2047-10I x1 msd K	7/11/05 16:58	cid= 137802				DCS	
017F1301.D	G161-2047-10I x1 msd R	7/11/05 17:25	cid= 137802				DCS	
018F1401.D	lcs3167 x1 K	7/11/05 17:51					DCS	
019F1501.D	lcs3167 x1 R	7/11/05 18:19					DCS	
020F1601.D	G161-2048-9G x1 K	7/11/05 18:46	cid= 138095	✓			DCS	
021F1701.D	G161-2048-9G x1 R	7/11/05 19:13	cid= 138095	✓			DCS	
022F1801.D	G161-2048-11G x1 K	7/11/05 19:40	cid= 138097	✓			DCS	

Analyst: _____ Page Number: _____

Paradigm Analytical

ECD1 Runlog Sheet

Method: _____ Initial Cal. Curve: _____

Matrix: _____ Batch: ep071105

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
023F1901.D	G161-2048-11G x1 R	7/11/05 20:07	cid= 138097	✓			DCS	
024F2001.D	G161-2048-12G x1 K	7/11/05 20:34	cid= 138098				DCS	
025F2101.D	G161-2048-12G x1 R	7/11/05 21:02	cid= 138098				DCS	
026F2201.D	G161-2048-13G K	7/11/05 21:29	cid= 138099x1				DCS	
027F2301.D	G161-2048-13G x1 R	7/11/05 21:57	cid= 138099				DCS	
028F2401.D	G161-2048-14G x1 K	7/11/05 22:24	cid= 138100				DCS	
029F2501.D	G161-2048-14G x1 R	7/11/05 22:52	cid= 138100				DCS	
030F2601.D	G161-2048-14H x1 K	7/11/05 23:20	cid= 138101				DCS	
031F2701.D	G161-2048-14H x1 R	7/11/05 23:48	cid= 138101				DCS	
032F2801.D	G161-2048-21B x1 K	7/12/05 0:16	cid= 138102				DCS	
033F2901.D	G161-2048-21B x1 R	7/12/05 0:44	cid= 138102	✓			DCS	
034F3001.D	G211-1832-3H x1 ms K	7/12/05 1:11	cid= 137369				DCS	
035F3101.D	G211-1832-3H x1 ms R	7/12/05 1:38	cid= 137369				DCS	
036F3201.D	G211-1832-3I x1 msd K	7/12/05 2:05	cid= 137370				DCS	
037F3301.D	G211-1832-3I x1 msd R	7/12/05 2:32	cid= 137370				DCS	
038F3401.D	G161-2048-22C x1 ms K	7/12/05 3:01	cid= 138104				DCS	
039F3501.D	G161-2048-22C x1 ms R	7/12/05 3:28	cid= 138104				DCS	
040F3601.D	G161-2048-22D x1 msd K	7/12/05 3:56	cid= 138105				DCS	
041F3701.D	G161-2048-22D x1 msd R	7/12/05 4:24	cid= 138105				DCS	
042F3801.D	K 20 ccal	7/12/05 4:52		✓			DCS	
043F3901.D	R 20 ccal	7/12/05 5:19		✓			DCS	

Analyst: _____ Page Number: _____

VPH Sample Raw Data

External Standard Report

Data File Name : C:\HPCHEM\1\DATA\vp070505\032F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-1B x1
Run Time Bar Code: 137260
Acquired on : 05 Jul 05 08:28 PM
Report Created on: 06 Jul 05 07:07 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 32
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\vp070505\032F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.778	* not found *			1		n-Pentane
3.878	126594	VV	0.118	1	22.485	2-Methylpentane
4.203	102755	VV	0.122	1	240.873	MTBE
6.249	298273	VV	0.094	1	19.062	2,2,4-Trimethylpentane
6.540	956270	VV	0.083	1	870.732	Benzene
7.866	301936	VV	0.059	1	32.051	Toluene
8.708	391648	VV	0.061	1	434.942	n-Nonane
8.854	302325	VV	0.055	1	29.554	EBenz, m-,p-Xylene
9.131	1345808	VV	0.054	1	1485.062	o-Xylene
9.402	520169	VV	0.067	1	2003.701	BFB
9.768	1200800	VV	0.129	1	1465.477	1,2,4-Trimethylbenzene
11.209	130134	VV	0.050	1	482.077	Naphthalene
3.730	1199	PV	0.031		11.989	* uncalibrated *
4.542	241271	PV	0.101		2412.711	* uncalibrated *
4.912	29774	VV	0.122		297.737	* uncalibrated *
5.105	38496	VV	0.158		384.957	* uncalibrated *
5.476	220382	VV	0.108		2203.817	* uncalibrated *
5.796	10700	PV	0.094		107.004	* uncalibrated *
5.958	244051	VV	0.091		2440.507	* uncalibrated *
6.141	396706	VV	0.101		3967.065	* uncalibrated *
6.727	38953	VV	0.064		389.533	* uncalibrated *
6.821	98422	VV	0.071		984.222	* uncalibrated *
6.989	280407	VV	0.088		2804.066	* uncalibrated *
7.123	989161	VV	0.067		9891.609	* uncalibrated *
7.225	159764	VV	0.066		1597.644	* uncalibrated *
7.404	1012497	VV	0.070		10124.97	* uncalibrated *
7.517	684093	VV	0.068		6840.930	* uncalibrated *
7.744	785460	VV	0.069		7854.600	* uncalibrated *
7.986	487091	VV	0.070		4870.910	* uncalibrated *
8.051	523279	VV	0.058		5232.791	* uncalibrated *
8.127	337330	VV	0.070		3373.301	* uncalibrated *
8.366	2003634	VV	0.089		20036.34	* uncalibrated *
8.459	695234	VV	0.045		6952.338	* uncalibrated *
8.552	117066	VV	0.058		1170.660	* uncalibrated *
8.785	791619	VV	0.054		7916.193	* uncalibrated *
8.934	730818	VV	0.071		7308.183	* uncalibrated *
9.022	336083	VV	0.054		3360.828	* uncalibrated *
9.201	358041	VV	0.041		3580.413	* uncalibrated *
9.263	313713	VV	0.074		3137.128	* uncalibrated *
9.472	1104218	VV	0.089		11042.18	* uncalibrated *
9.575	285704	VV	0.061		2857.042	* uncalibrated *
9.644	206868	VV	0.051		2068.676	* uncalibrated *
10.076	563299	VV	0.074		5632.993	* uncalibrated *

10.124	159854	VV	0.035	1598.541	* uncalibrated *
10.178	433238	VV	0.055	4332.376	* uncalibrated *
10.324	320849	VV	0.047	3208.493	* uncalibrated *
10.404	221939	VV	0.050	2219.388	* uncalibrated *
10.448	238965	VV	0.038	2389.651	* uncalibrated *
10.520	176225	VV	0.049	1762.247	* uncalibrated *
10.579	144389	VV	0.045	1443.890	* uncalibrated *
10.637	163283	VV	0.069	1632.831	* uncalibrated *
10.798	266554	VV	0.073	2665.538	* uncalibrated *
10.853	147902	VV	0.041	1479.023	* uncalibrated *
10.979	209264	VV	0.066	2092.642	* uncalibrated *
11.070	124371	VV	0.059	1243.713	* uncalibrated *
11.352	22938	VV	0.046	229.382	* uncalibrated *
11.451	37420	VV	0.078	374.198	* uncalibrated *
11.530	16746	VV	0.067	167.463	* uncalibrated *
11.620	6794	VV	0.053	67.937	* uncalibrated *
11.704	6950	VV	0.053	69.500	* uncalibrated *
11.763	30598	VV	0.041	305.981	* uncalibrated *
11.909	16950	VV	0.055	169.499	* uncalibrated *
12.209	3336	VV	0.074	33.357	* 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\vp070505\032R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 32
Sample Name	: G161-2047-1B x1	Injection Number	: 1
Run Time Bar Code	: 137260	Sequence Line	: 1
Acquired on	: 05 Jul 05 08:28 PM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:07 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\vp070505\032R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.794	21667	VV	0.121	1	3.455	n-Pentane
3.897	109098	PV	0.151	1	11.553	2-Methylpentane
4.222	91586	VV	0.145	1	3.038	MTBE
6.260	590950	VV	0.117	1	38.838	2,2,4-Trimethylpentane
6.555	923285	VV	0.123	1	11.604	Benzene
7.875	675496	VV	0.070	1	16.555	Toluene
8.716	670442	VV	0.069	1	98.780	n-Nonane
8.789	2348310	VV	0.086	1	69.425	ethbzene/m,p-xylene
9.135	3142791	VV	0.087	1	81.139	o-Xylene
9.407	1679286	VV	0.068	1	113.024	BFB(pid)
9.813	2515796	VV	0.130	1	81.942	1,2,4-Trimethylbenzene
11.209	316304	VV	0.042	1	18.072	Naphthalene(pid)
1.816	1203	BV	0.048		12.032	* uncalibrated *
2.135	210273	VV	0.108		2102.728	* uncalibrated *
2.495	10621	VV	0.135		106.211	* uncalibrated *
3.014	10007	VV	0.095		100.072	* uncalibrated *
3.226	23507	VV	0.170		235.070	* uncalibrated *
4.559	136988	VV	0.123		1369.882	* uncalibrated *
4.909	46059	VV	0.133		460.585	* uncalibrated *
5.117	39191	VV	0.170		391.907	* uncalibrated *
5.492	122728	VV	0.120		1227.275	* uncalibrated *
5.811	11710	PV	0.095		117.098	* uncalibrated *
5.977	149952	VV	0.088		1499.517	* uncalibrated *
6.154	393710	VV	0.107		3937.098	* uncalibrated *
6.718	65532	VV	0.061		655.320	* uncalibrated *
6.824	139511	VV	0.076		1395.108	* uncalibrated *
7.001	305827	VV	0.084		3058.269	* uncalibrated *
7.134	2304686	VV	0.091		23046.86	* uncalibrated *
7.417	1198070	VV	0.096		11980.70	* uncalibrated *
7.529	1141889	VV	0.095		11418.89	* uncalibrated *
7.754	1629235	VV	0.080		16292.35	* uncalibrated *
7.994	949463	VV	0.063		9494.627	* uncalibrated *
8.064	1713405	VV	0.110		17134.05	* uncalibrated *
8.360	3311250	VV	0.092		33112.50	* uncalibrated *
8.460	2038107	VV	0.077		20381.07	* uncalibrated *
8.968	2206160	VV	0.118		22061.60	* uncalibrated *
9.262	894975	VV	0.077		8949.753	* uncalibrated *
9.475	3764403	VV	0.120		37644.03	* uncalibrated *
9.963	273071	VV	0.045		2730.707	* uncalibrated *
10.079	907402	VV	0.084		9074.017	* uncalibrated *
10.124	324873	VV	0.035		3248.735	* uncalibrated *
10.181	1187690	VV	0.069		11876.90	* uncalibrated *
10.324	509189	VV	0.045		5091.890	* uncalibrated *

10.449	919225	VV	0.071	9192.246	* uncalibrated *
10.521	438279	VV	0.055	4382.792	* uncalibrated *
10.578	343104	VV	0.054	3431.035	* uncalibrated *
10.636	337861	VV	0.075	3378.609	* uncalibrated *
10.798	509636	VV	0.078	5096.360	* uncalibrated *
10.854	310089	VV	0.050	3100.889	* uncalibrated *
10.979	425727	VV	0.073	4257.270	* uncalibrated *
11.070	246192	VV	0.066	2461.924	* uncalibrated *
11.350	57903	VV	0.051	579.030	* uncalibrated *
11.478	139167	VV	0.138	1391.666	* uncalibrated *
11.762	93458	VV	0.054	934.578	* uncalibrated *
11.908	49339	VV	0.070	493.389	* uncalibrated *
12.208	6449	VV	0.064	64.492	* uncalibrated *
12.355	1785	PBA	0.105	17.853	* uncalibrated *

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External Standard Report

ata File Name	: C:\HPCHEM\1\DATA\vp070505\032F0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 32
ample Name	: 137260 x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 05 Jul 05 08:28 PM	Instrument Method:	GAS1.MTH
eport Created on:	06 Jul 05 07:07 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

ig. 1 in C:\HPCHEM\1\DATA\vp070505\032F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.778	* not found *			1		n-Pentane
3.878	126594	VV	0.118	1	22.485	2-Methylpentane
4.203	102755	VV	0.122	1	240.873	MTBE
6.249	298273	VV	0.094	1	19.062	2,2,4-Trimethylpentane
6.540	956270	VV	0.083	1	870.732	Benzene
7.866	301936	VV	0.059	1	32.051	Toluene
8.708	391648	VV	0.061	1	434.942	n-Nonane
8.854	302325	VV	0.055	1	29.554	EBenz, m-,p-Xylene
9.131	1345808	VV	0.054	1	1485.062	o-Xylene
9.402	520169	VV	0.067	1	2003.701	BFB
9.768	1200800	VV	0.129	1	1465.477	1,2,4-Trimethylbenzene
11.209	130134	VV	0.050	1	482.077	Naphthalene
3.730	1199	PV	0.031		11.989	* uncalibrated *
4.542	241271	PV	0.101		2412.711	* uncalibrated *
4.912	29774	VV	0.122		297.737	* uncalibrated *
5.105	38496	VV	0.158		384.957	* uncalibrated *
5.476	220382	VV	0.108		2203.817	* uncalibrated *
5.796	10700	PV	0.094		107.004	* uncalibrated *
5.958	244051	VV	0.091		2440.507	* uncalibrated *
6.141	396706	VV	0.101		3967.065	* uncalibrated *
6.727	38953	VV	0.064		389.533	* uncalibrated *
6.821	98422	VV	0.071		984.222	* uncalibrated *
6.989	280407	VV	0.088		2804.066	* uncalibrated *
7.123	989161	VV	0.067		9891.609	* uncalibrated *
7.225	159764	VV	0.066		1597.644	* uncalibrated *
7.404	1012497	VV	0.070		10124.97	* uncalibrated *
7.517	684093	VV	0.068		6840.930	* uncalibrated *
7.744	785460	VV	0.069		7854.600	* uncalibrated *
7.986	487091	VV	0.070		4870.910	* uncalibrated *
8.051	523279	VV	0.058		5232.791	* uncalibrated *
8.127	337330	VV	0.070		3373.301	* uncalibrated *
8.366	2003634	VV	0.089		20036.34	* uncalibrated *
8.459	695234	VV	0.045		6952.338	* uncalibrated *
8.552	117066	VV	0.058		1170.660	* uncalibrated *
8.785	791619	VV	0.054		7916.193	* uncalibrated *
8.934	730818	VV	0.071		7308.183	* uncalibrated *
9.022	336083	VV	0.054		3360.828	* uncalibrated *
9.201	358041	VV	0.041		3580.413	* uncalibrated *
9.263	313713	VV	0.074		3137.128	* uncalibrated *
9.472	1104218	VV	0.089		11042.18	* uncalibrated *
9.575	285704	VV	0.061		2857.042	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070505\032F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137260 x1
un Time Bar Code:
cquired on : 05 Jul 05 08:28 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 32
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

9.644	206868	VV	0.051	2068.676	* uncalibrated *
10.076	563299	VV	0.074	5632.993	* uncalibrated *
10.124	159854	VV	0.035	1598.541	* uncalibrated *
10.178	433238	VV	0.055	4332.376	* uncalibrated *
10.324	320849	VV	0.047	3208.493	* uncalibrated *
10.404	221939	VV	0.050	2219.388	* uncalibrated *
10.448	238965	VV	0.038	2389.651	* uncalibrated *
10.520	176225	VV	0.049	1762.247	* uncalibrated *
10.579	144389	VV	0.045	1443.890	* uncalibrated *
10.637	163283	VV	0.069	1632.831	* uncalibrated *
10.798	266554	VV	0.073	2665.538	* uncalibrated *
10.853	147902	VV	0.041	1479.023	* uncalibrated *
10.979	209264	VV	0.066	2092.642	* uncalibrated *
11.070	124371	VV	0.059	1243.713	* uncalibrated *
11.352	22938	VV	0.046	229.382	* uncalibrated *
11.451	37420	VV	0.078	374.198	* uncalibrated *
11.530	16746	VV	0.067	167.463	* uncalibrated *
11.620	6794	VV	0.053	67.937	* uncalibrated *
11.704	6950	VV	0.053	69.500	* uncalibrated *
11.763	30598	VV	0.041	305.981	* uncalibrated *
11.909	16950	VV	0.055	169.499	* uncalibrated *
12.209	3336	VV	0.074	33.357	* uncalibrated *

:alibration table contains at least one peak with amt = 0

Iot all calibrated peaks were found

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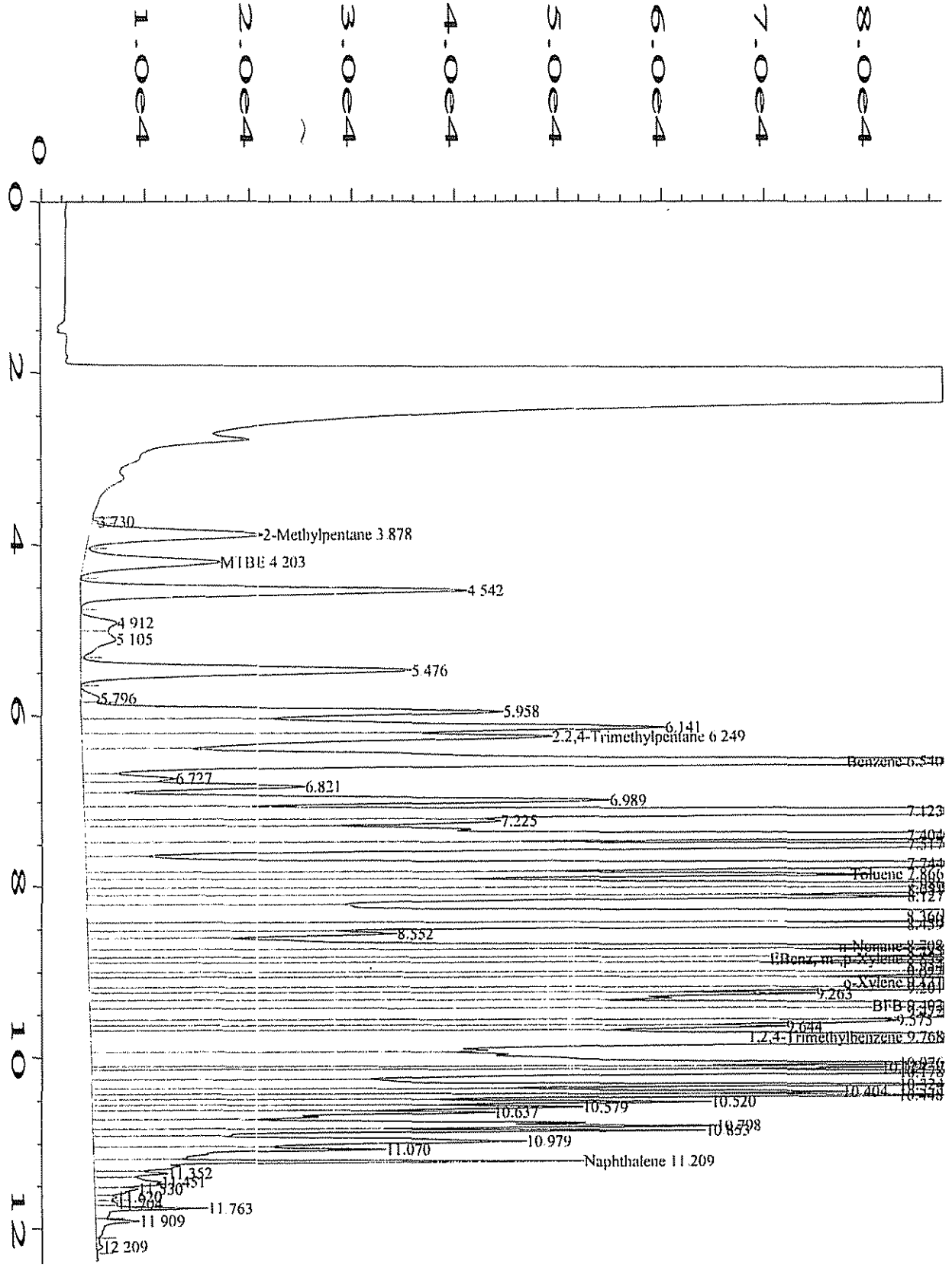


Data File Name	: C:\HPCHEM\1\DATA\vp070505\032F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 32
Sample Name	: 137260 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 05 Jul 05 08:28 PM	Instrument Method:	GAS1.MTH
Report Created on:	06 Jul 05 07:07 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

ata File Name	: C:\HPCHEM\1\DATA\vp070505\032R0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 32
ample Name	: 137260 x1	Injection Number	: 1
un Time Bar Code	:	Sequence Line	: 1
cquired on	: 05 Jul 05 08:28 PM	Instrument Method	: GAS1.MTH
eport Created on	: 06 Jul 05 07:07 AM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

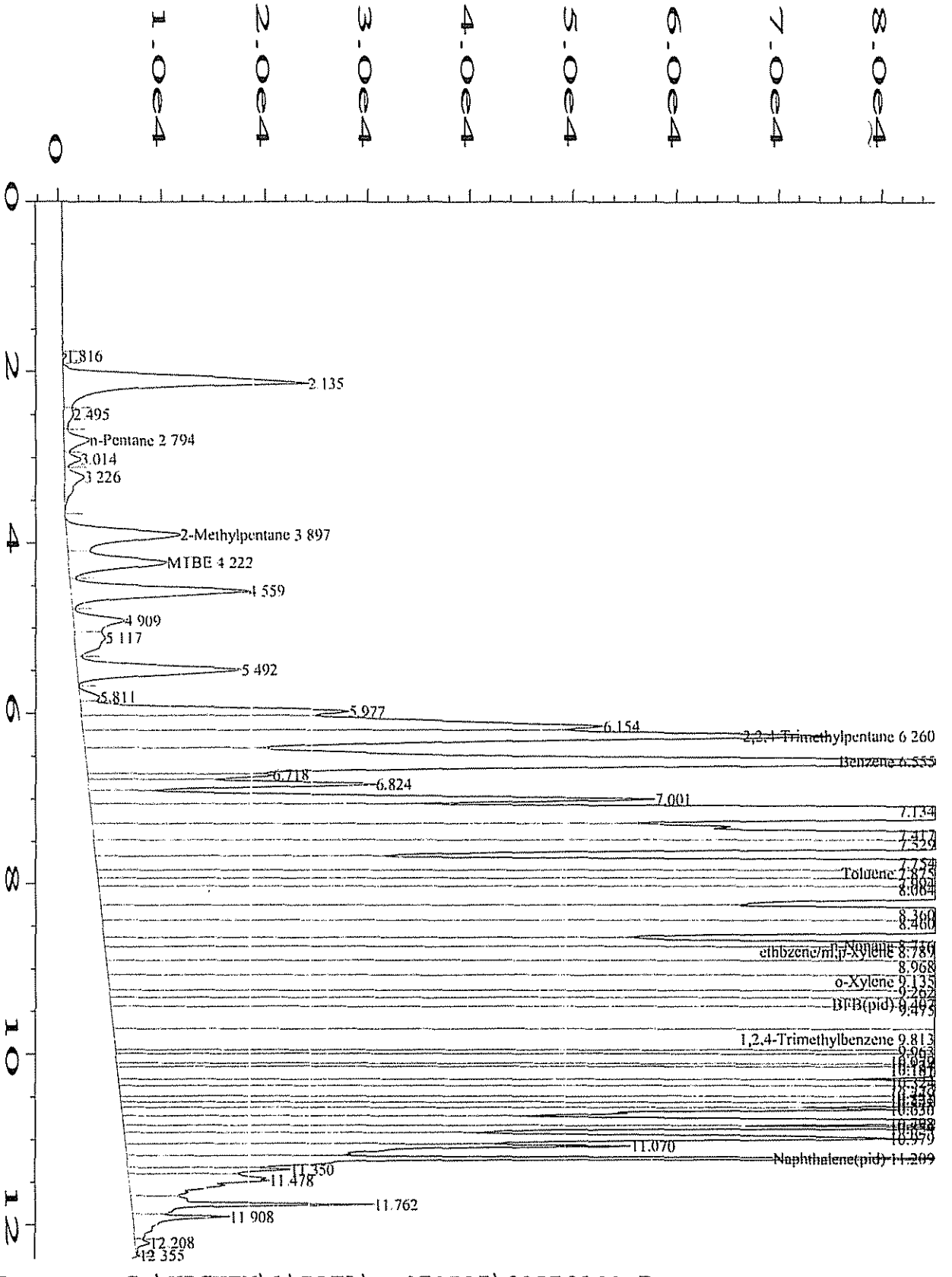
ig. 2 in C:\HPCHEM\1\DATA\vp070505\032R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.794	21667	VV	0.121	1	3.455	n-Pentane
3.897	109098	PV	0.151	1	11.553	2-Methylpentane
4.222	91586	VV	0.145	1	3.038	MTBE
6.260	590950	VV	0.117	1	38.838	2,2,4-Trimethylpentane
6.555	923285	VV	0.123	1	11.604	Benzene
7.875	675496	VV	0.070	1	16.555	Toluene
8.716	670442	VV	0.069	1	98.780	n-Nonane
8.789	2348310	VV	0.086	1	69.425	ethbzene/m,p-xylene
9.135	3142791	VV	0.087	1	81.139	o-Xylene
9.407	1679286	VV	0.068	1	113.024	BFB(pid)
9.813	2515796	VV	0.130	1	81.942	1,2,4-Trimethylbenzene
11.209	316304	VV	0.042	1	18.072	Naphthalene(pid)
1.816	1203	BV	0.048		12.032	* uncalibrated *
2.135	210273	VV	0.108		2102.728	* uncalibrated *
2.495	10621	VV	0.135		106.211	* uncalibrated *
3.014	10007	VV	0.095		100.072	* uncalibrated *
3.226	23507	VV	0.170		235.070	* uncalibrated *
4.559	136988	VV	0.123		1369.882	* uncalibrated *
4.909	46059	VV	0.133		460.585	* uncalibrated *
5.117	39191	VV	0.170		391.907	* uncalibrated *
5.492	122728	VV	0.120		1227.275	* uncalibrated *
5.811	11710	PV	0.095		117.098	* uncalibrated *
5.977	149952	VV	0.088		1499.517	* uncalibrated *
6.154	393710	VV	0.107		3937.098	* uncalibrated *
6.718	65532	VV	0.061		655.320	* uncalibrated *
6.824	139511	VV	0.076		1395.108	* uncalibrated *
7.001	305827	VV	0.084		3058.269	* uncalibrated *
7.134	2304686	VV	0.091		23046.86	* uncalibrated *
7.417	1198070	VV	0.096		11980.70	* uncalibrated *
7.529	1141889	VV	0.095		11418.89	* uncalibrated *
7.754	1629235	VV	0.080		16292.35	* uncalibrated *
7.994	949463	VV	0.063		9494.627	* uncalibrated *
8.064	1713405	VV	0.110		17134.05	* uncalibrated *
8.360	3311250	VV	0.092		33112.50	* uncalibrated *
8.460	2038107	VV	0.077		20381.07	* uncalibrated *
8.968	2206160	VV	0.118		22061.60	* uncalibrated *
9.262	894975	VV	0.077		8949.753	* uncalibrated *
9.475	3764403	VV	0.120		37644.03	* uncalibrated *
9.963	273071	VV	0.045		2730.707	* uncalibrated *
10.079	907402	VV	0.084		9074.017	* uncalibrated *
10.124	324873	VV	0.035		3248.735	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070505\032R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137260 x1
un Time Bar Code:
cquired on : 05 Jul 05 08:28 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 32
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.181	1187690	VV	0.069	11876.90	* uncalibrated *
10.324	509189	VV	0.045	5091.890	* uncalibrated *
10.449	919225	VV	0.071	9192.246	* uncalibrated *
10.521	438279	VV	0.055	4382.792	* uncalibrated *
10.578	343104	VV	0.054	3431.035	* uncalibrated *
10.636	337861	VV	0.075	3378.609	* uncalibrated *
10.798	509636	VV	0.078	5096.360	* uncalibrated *
10.854	310089	VV	0.050	3100.889	* uncalibrated *
10.979	425727	VV	0.073	4257.270	* uncalibrated *
11.070	246192	VV	0.066	2461.924	* uncalibrated *
11.350	57903	VV	0.051	579.030	* uncalibrated *
11.478	139167	VV	0.138	1391.666	* uncalibrated *
11.762	93458	VV	0.054	934.578	* uncalibrated *
11.908	49339	VV	0.070	493.389	* uncalibrated *
12.208	6449	VV	0.064	64.492	* uncalibrated *
12.355	1785	PBA	0.105	17.853	* uncalibrated *



Data File Name	: C:\HPCHEM\1\DATA\vp070505\032R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 32
Sample Name	: 137260 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 05 Jul 05 08:28 PM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:07 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\vp070705\017F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 17
Sample Name	: G161-2047-2E x1	Injection Number	: 1
Run Time Bar Code	: 137269	Sequence Line	: 1
Acquired on	: 07 Jul 05 02:35 PM	Instrument Method	: GAS1.MTH
Report Created on	: 07 Jul 05 03:21 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\vp070705\017F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.778	* not found *			1		n-Pentane
3.869	2978	PV	0.105	1	0.529	2-Methylpentane
4.282	* not found *			1		MTBE
6.309	3332	VB	0.100	1	0.640	2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.925	4077	VV	0.044	1	0.433	Toluene
8.683	2886	BV	0.041	1	0.724	n-Nonane
8.842	5566	VV	0.041	1	0.544	EBenz, m-,p-Xylene
9.082	1596	BV	0.038	1	0.158	o-Xylene
9.402	80164	BV	0.029	1	308.790	BFB
9.761	6316	VV	0.049	1	0.672	1,2,4-Trimethylbenzene
11.054	1082	VV	0.044	1	0.255	Naphthalene
5.676	1067	PB	0.059		10.671	* uncalibrated *
6.067	2082	BV	0.099		20.823	* uncalibrated *
7.077	1231	VB	0.070		12.306	* uncalibrated *
7.389	1950	VV	0.066		19.504	* uncalibrated *
8.318	3345	BV	0.049		33.448	* uncalibrated *
9.132	1075	VV	0.039		10.748	* uncalibrated *
9.526	5392	VV	0.054		53.921	* uncalibrated *
9.691	1039	VV	0.044		10.389	* uncalibrated *
10.004	1776	PV	0.035		17.762	* uncalibrated *
10.114	2799	VV	0.067		27.992	* uncalibrated *
10.324	2425	VV	0.053		24.249	* uncalibrated *
10.401	1424	VV	0.065		14.240	* uncalibrated *
10.552	3382	VV	0.061		33.824	* uncalibrated *
10.854	1043	VV	0.038		10.427	* uncalibrated *
10.976	1255	VV	0.053		12.547	* uncalibrated *
11.762	1848	VV	0.040		18.477	* 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\vp070705\017R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-2E x1
Run Time Bar Code: 137269
Acquired on : 07 Jul 05 02:35 PM
Report Created on: 07 Jul 05 03:22 PM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 17
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\vp070705\017R0101.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
6.314	4930	VV	0.106	1	0.324	2,2,4-Trimethylpentane
6.605	4787	VB	0.075	1	0.0602	Benzene
7.926	7397	BV	0.041	1	0.181	Toluene
8.687	1610	BV	0.046	1	0.237	n-Nonane
8.843	11573	VV	0.043	1	0.342	ethbzene/m,p-xylene
9.082	4331	VV	0.048	1	0.112	o-Xylene
9.405	383338	PV	0.033	1	25.800	BFB(pid)
9.762	8319	VV	0.043	1	0.271	1,2,4-Trimethylbenzene
11.209	1890	PV	0.027	1	0.108	Naphthalene(pid)
1.493	615	BV	0.034		6.147	* uncalibrated *
2.097	140433	BV	0.093		1404.328	* uncalibrated *
2.501	4944	VV	0.121		49.443	* uncalibrated *
5.683	9151	PB	0.069		91.509	* uncalibrated *
6.072	2529	BV	0.112		25.294	* uncalibrated *
7.079	7522	VV	0.056		75.221	* uncalibrated *
7.290	1411	VV	0.068		14.114	* uncalibrated *
7.391	2201	VV	0.071		22.009	* uncalibrated *
8.320	23784	BB	0.049		237.836	* uncalibrated *
9.527	9911	VV	0.059		99.111	* uncalibrated *
9.691	1786	VV	0.049		17.857	* uncalibrated *
10.008	2001	VV	0.042		20.009	* uncalibrated *
10.114	3961	VV	0.052		39.607	* uncalibrated *
10.324	2564	PV	0.049		25.641	* uncalibrated *
10.404	656	VV	0.042		6.557	* uncalibrated *
10.448	518	VV	0.035		5.181	* uncalibrated *
10.558	3780	VV	0.061		37.796	* uncalibrated *
10.760	925	PV	0.032		9.245	* uncalibrated *
10.806	780	VV	0.036		7.798	* uncalibrated *
10.854	1124	VV	0.036		11.241	* uncalibrated *
10.977	1753	VV	0.059		17.535	* uncalibrated *
11.059	1032	VV	0.056		10.318	* uncalibrated *
11.762	4017	PV	0.044		40.170	* uncalibrated *
11.908	1207	VV	0.035		12.069	* uncalibrated *
12.358	1965	PBA	0.091		19.649	* uncalibrated *

Not all calibrated peaks were found

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070705\017F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137269 x1
un Time Bar Code:
cquired on : 07 Jul 05 02:35 PM
eport Created on: 07 Jul 05 03:21 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

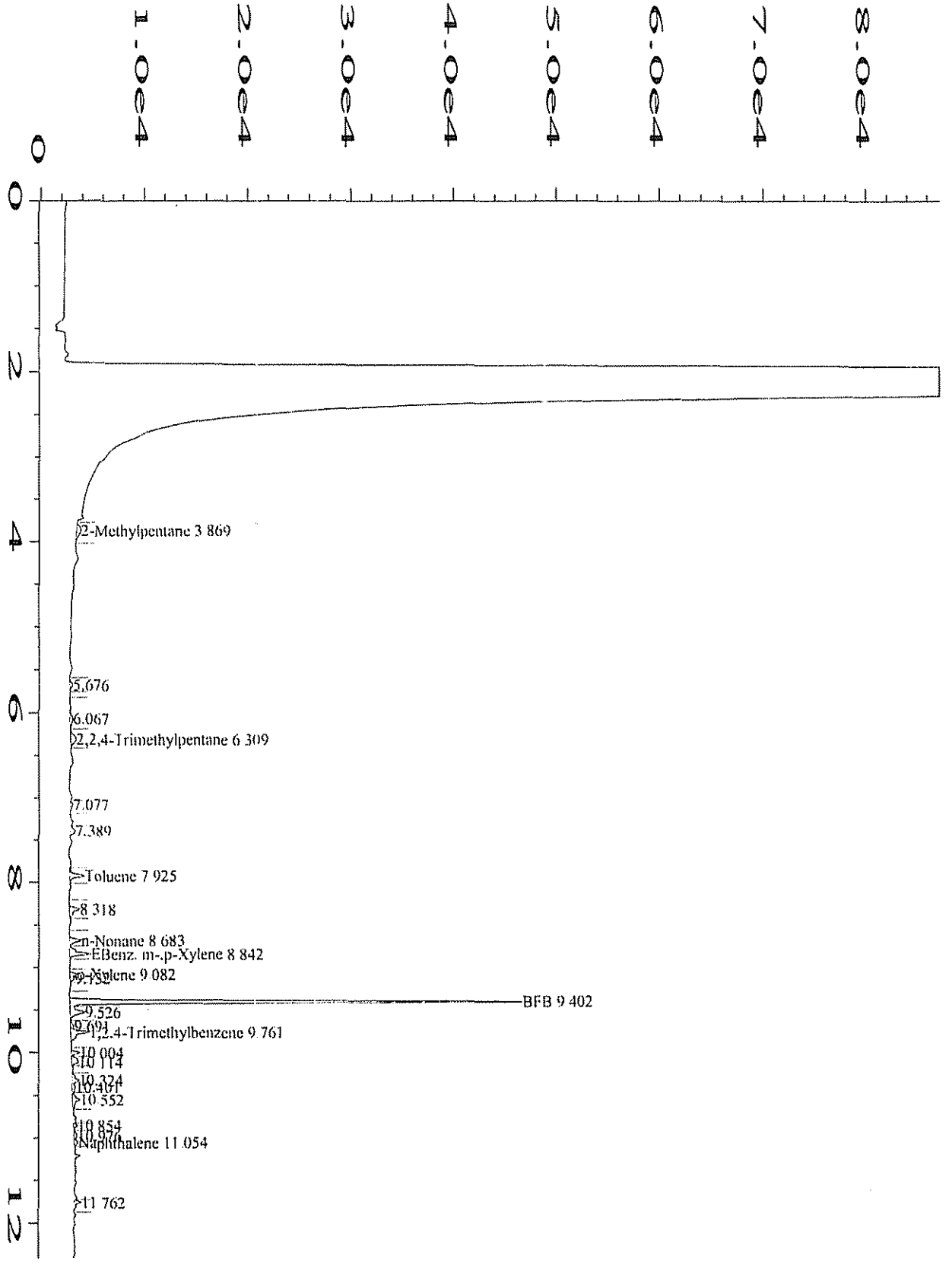
Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070705\017F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.778	* not found *			1		n-Pentane
3.869	2978	PV	0.105	1	0.529	2-Methylpentane
4.282	* not found *			1		MTBE
6.309	3332	VB	0.100	1	0.640	2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.925	4077	VV	0.044	1	0.433	Toluene
8.683	2886	BV	0.041	1	0.724	n-Nonane
8.842	5566	VV	0.041	1	0.544	EBenz, m-,p-Xylene
9.082	1596	BV	0.038	1	0.158	o-Xylene
9.402	80164	BV	0.029	1	308.790	BFB
9.761	6316	VV	0.049	1	0.672	1,2,4-Trimethylbenzene
11.054	1082	VV	0.044	1	0.255	Naphthalene
5.676	1067	PB	0.059		10.671	* uncalibrated *
6.067	2082	BV	0.099		20.823	* uncalibrated *
7.077	1231	VB	0.070		12.306	* uncalibrated *
7.389	1950	VV	0.066		19.504	* uncalibrated *
8.318	3345	BV	0.049		33.448	* uncalibrated *
9.132	1075	VV	0.039		10.748	* uncalibrated *
9.526	5392	VV	0.054		53.921	* uncalibrated *
9.691	1039	VV	0.044		10.389	* uncalibrated *
10.004	1776	PV	0.035		17.762	* uncalibrated *
10.114	2799	VV	0.067		27.992	* uncalibrated *
10.324	2425	VV	0.053		24.249	* uncalibrated *
10.401	1424	VV	0.065		14.240	* uncalibrated *
10.552	3382	VV	0.061		33.824	* uncalibrated *
10.854	1043	VV	0.038		10.427	* uncalibrated *
10.976	1255	VV	0.053		12.547	* uncalibrated *
11.762	1848	VV	0.040		18.477	* uncalibrated *

'alibration table contains at least one peak with amt = 0

Iot all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp070705\017F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 17
Sample Name	: 137269 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 02:35 PM	Instrument Method:	GAS1.MTH
Report Created on:	07 Jul 05 03:22 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

ata File Name : C:\HPCHEM\1\DATA\vp070705\017R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137269 x1
un Time Bar Code:
cquired on : 07 Jul 05 02:35 PM
eport Created on: 07 Jul 05 03:22 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 17
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\vp070705\017R0101.D

et 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
6.314	4930	VV	0.106	1	0.324	2,2,4-Trimethylpentane
6.605	4787	VB	0.075	1	0.0602	Benzene
7.926	7397	BV	0.041	1	0.181	Toluene
8.687	1610	BV	0.046	1	0.237	n-Nonane
8.843	11573	VV	0.043	1	0.342	ethbzene/m,p-xylene
9.082	4331	VV	0.048	1	0.112	o-Xylene
9.405	383338	PV	0.033	1	25.800	BFB(pid)
9.762	8319	VV	0.043	1	0.271	1,2,4-Trimethylbenzene
11.209	1890	PV	0.027	1	0.108	Naphthalene(pid)
1.493	615	BV	0.034		6.147	* uncalibrated *
2.097	140433	BV	0.093		1404.328	* uncalibrated *
2.501	4944	VV	0.121		49.443	* uncalibrated *
5.683	9151	PB	0.069		91.509	* uncalibrated *
6.072	2529	BV	0.112		25.294	* uncalibrated *
7.079	7522	VV	0.056		75.221	* uncalibrated *
7.290	1411	VV	0.068		14.114	* uncalibrated *
7.391	2201	VV	0.071		22.009	* uncalibrated *
8.320	23784	BB	0.049		237.836	* uncalibrated *
9.527	9911	VV	0.059		99.111	* uncalibrated *
9.691	1786	VV	0.049		17.857	* uncalibrated *
10.008	2001	VV	0.042		20.009	* uncalibrated *
10.114	3961	VV	0.052		39.607	* uncalibrated *
10.324	2564	PV	0.049		25.641	* uncalibrated *
10.404	656	VV	0.042		6.557	* uncalibrated *
10.448	518	VV	0.035		5.181	* uncalibrated *
10.558	3780	VV	0.061		37.796	* uncalibrated *
10.760	925	PV	0.032		9.245	* uncalibrated *
10.806	780	VV	0.036		7.798	* uncalibrated *
10.854	1124	VV	0.036		11.241	* uncalibrated *
10.977	1753	VV	0.059		17.535	* uncalibrated *
11.059	1032	VV	0.056		10.318	* uncalibrated *
11.762	4017	PV	0.044		40.170	* uncalibrated *
11.908	1207	VV	0.035		12.069	* uncalibrated *
12.358	1965	PBA	0.091		19.649	* uncalibrated *

Not all calibrated peaks were found

ata File Name	: C:\HPCHEM\1\DATA\vp070705\017R0101.D		
perator	: DCS	Page Number	: 2
nstrument	: FID/PID	Vial Number	: 17
ample Name	: 137269 x1	Injection Number	: 1
un Time Bar Code	:	Sequence Line	: 1
cquired on	: 07 Jul 05 02:35 PM	Instrument Method	: GAS1.MTH
eport Created on	: 07 Jul 05 03:22 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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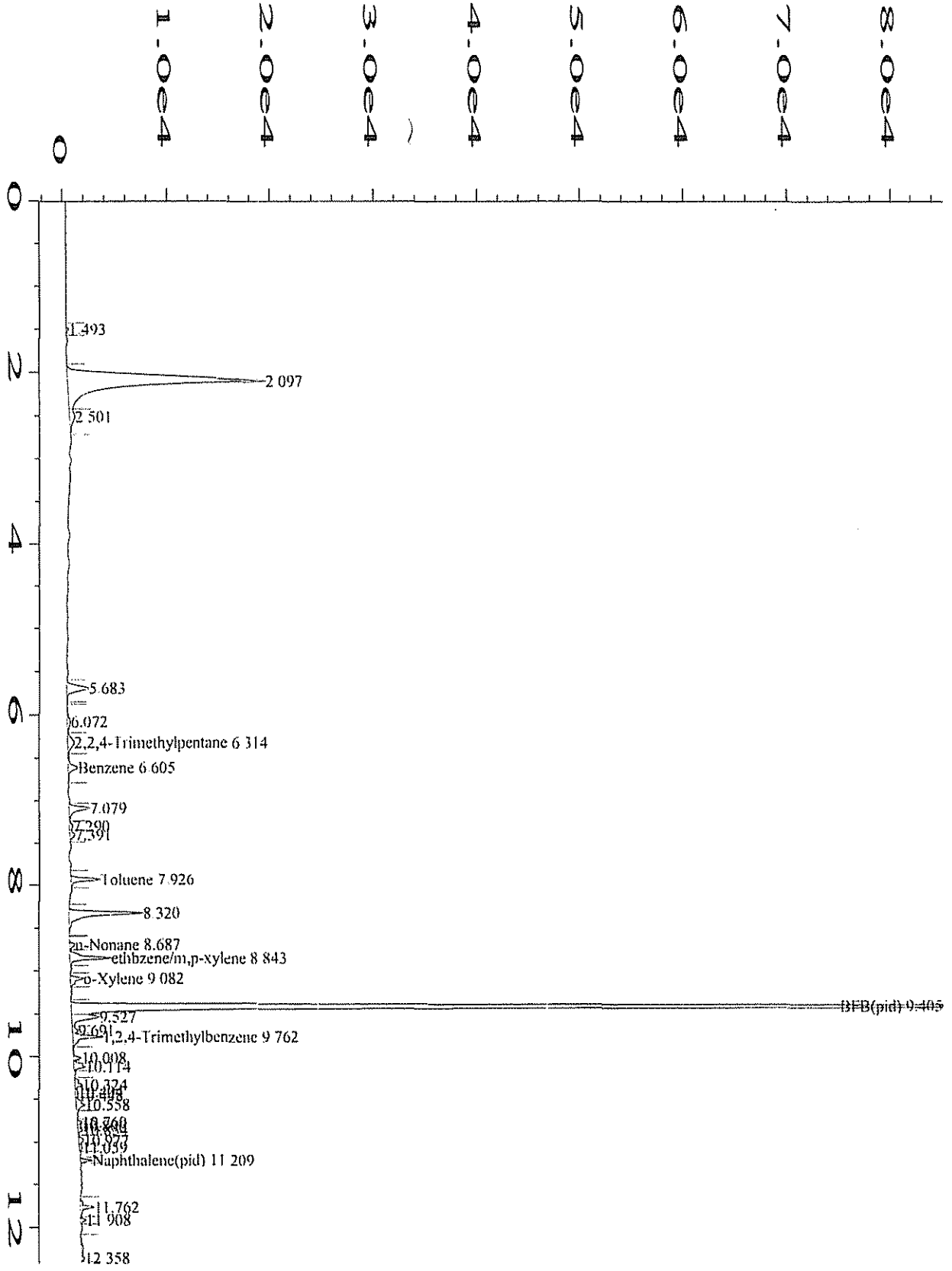

ata File Name	: C:\HPCHEM\1\DATA\vp070705\017R0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 17
ample Name	: 137269 x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 07 Jul 05 02:35 PM	Instrument Method:	GAS1.MTH
eport Created on:	07 Jul 05 03:22 PM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name : C:\HPCHEM\1\DATA\vp070505\037F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-3E x1
Run Time Bar Code: 137275
Acquired on : 05 Jul 05 10:34 PM
Report Created on: 06 Jul 05 07:07 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 37
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\vp070505\037F0101.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	5307	VV	0.104	1	1.019	2,2,4-Trimethylpentane
6.539	2498	VB	0.080	1	0.317	Benzene
7.926	3068	VV	0.054	1	0.326	Toluene
8.686	2286	PV	0.053	1	0.574	n-Nonane
8.844	3760	VV	0.042	1	0.368	EBenz, m-,p-Xylene
9.131	6687	VV	0.056	1	0.664	o-Xylene
9.403	100127	VV	0.030	1	385.687	BFB
9.763	8430	VV	0.067	1	0.897	1,2,4-Trimethylbenzene
11.054	1231	VV	0.042	1	0.290	Naphthalene
6.135	2529	VV	0.108		25.289	* uncalibrated *
6.976	1550	BV	0.088		15.499	* uncalibrated *
7.286	2009	PV	0.066		20.089	* uncalibrated *
7.396	5380	VV	0.071		53.795	* uncalibrated *
7.517	3907	VB	0.079		39.068	* uncalibrated *
7.795	1615	BV	0.060		16.151	* uncalibrated *
8.381	5884	BV	0.062		58.838	* uncalibrated *
8.459	3679	VV	0.053		36.786	* uncalibrated *
8.796	2395	VV	0.049		23.954	* uncalibrated *
8.931	2228	VV	0.054		22.280	* uncalibrated *
9.203	1737	VV	0.044		17.369	* uncalibrated *
9.524	5430	VV	0.056		54.301	* uncalibrated *
10.004	1547	VV	0.037		15.466	* uncalibrated *
10.080	3678	VV	0.065		36.782	* uncalibrated *
10.325	2752	VV	0.053		27.523	* uncalibrated *
10.401	1158	VV	0.051		11.577	* uncalibrated *
10.554	2701	PV	0.051		27.006	* uncalibrated *
10.855	1015	VV	0.048		10.154	* uncalibrated *
10.967	1332	VV	0.061		13.318	* uncalibrated *
11.764	2085	VV	0.049		20.848	* 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\vp070505\037R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-3E x1
Run Time Bar Code: 137275
Acquired on : 05 Jul 05 10:34 PM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 37
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\vp070505\037R0101.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	6487	VV	0.113	1	0.426	2,2,4-Trimethylpentane
6.609	3154	VV	0.114	1	0.0396	Benzene
7.927	5433	VV	0.048	1	0.133	Toluene
8.696	1594	BV	0.058	1	0.235	n-Nonane
8.844	9223	VV	0.056	1	0.273	ethbzene/m,p-xylene
9.131	7227	VV	0.066	1	0.187	o-Xylene
9.405	478660	VV	0.033	1	32.216	BFB(pid)
9.762	10019	VV	0.056	1	0.326	1,2,4-Trimethylbenzene
11.211	2318	VV	0.039	1	0.132	Naphthalene(pid)
2.109	162554	BB	0.099		1625.539	* uncalibrated *
6.130	2785	BV	0.149		27.848	* uncalibrated *
6.990	1807	VV	0.085		18.066	* uncalibrated *
7.129	1888	VV	0.084		18.878	* uncalibrated *
7.292	2524	VV	0.067		25.239	* uncalibrated *
7.398	5271	VV	0.081		52.708	* uncalibrated *
7.524	3335	VV	0.101		33.347	* uncalibrated *
7.748	1255	PV	0.065		12.546	* uncalibrated *
8.050	597	VV	0.046		5.966	* uncalibrated *
8.377	5202	BV	0.086		52.024	* uncalibrated *
8.461	3182	VB	0.058		31.817	* uncalibrated *
8.934	2243	VV	0.065		22.431	* uncalibrated *
9.026	1341	VV	0.053		13.408	* uncalibrated *
9.204	1642	VV	0.060		16.415	* uncalibrated *
9.524	10496	VV	0.056		104.961	* uncalibrated *
10.008	2618	VV	0.054		26.178	* uncalibrated *
10.115	5754	VV	0.073		57.540	* uncalibrated *
10.177	1795	VV	0.048		17.953	* uncalibrated *
10.280	1305	VV	0.042		13.045	* uncalibrated *
10.325	2447	VV	0.039		24.473	* uncalibrated *
10.560	5172	VV	0.061		51.715	* uncalibrated *
10.763	1402	VV	0.046		14.019	* uncalibrated *
10.807	1452	VV	0.036		14.521	* uncalibrated *
10.853	1365	VV	0.045		13.652	* uncalibrated *
10.970	2362	VV	0.065		23.616	* uncalibrated *
11.055	1615	VV	0.063		16.146	* uncalibrated *
11.354	1077	VV	0.043		10.773	* uncalibrated *
11.482	1100	VV	0.054		10.999	* uncalibrated *
11.763	3449	VV	0.043		34.490	* uncalibrated *
11.909	856	VV	0.031		8.556	* uncalibrated *
12.359	396	PBA	0.032		3.963	* uncalibrated *

Not all calibrated peaks were found

)

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External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\037F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137275 x1
un Time Bar Code:
cquired on : 05 Jul 05 10:34 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 37
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

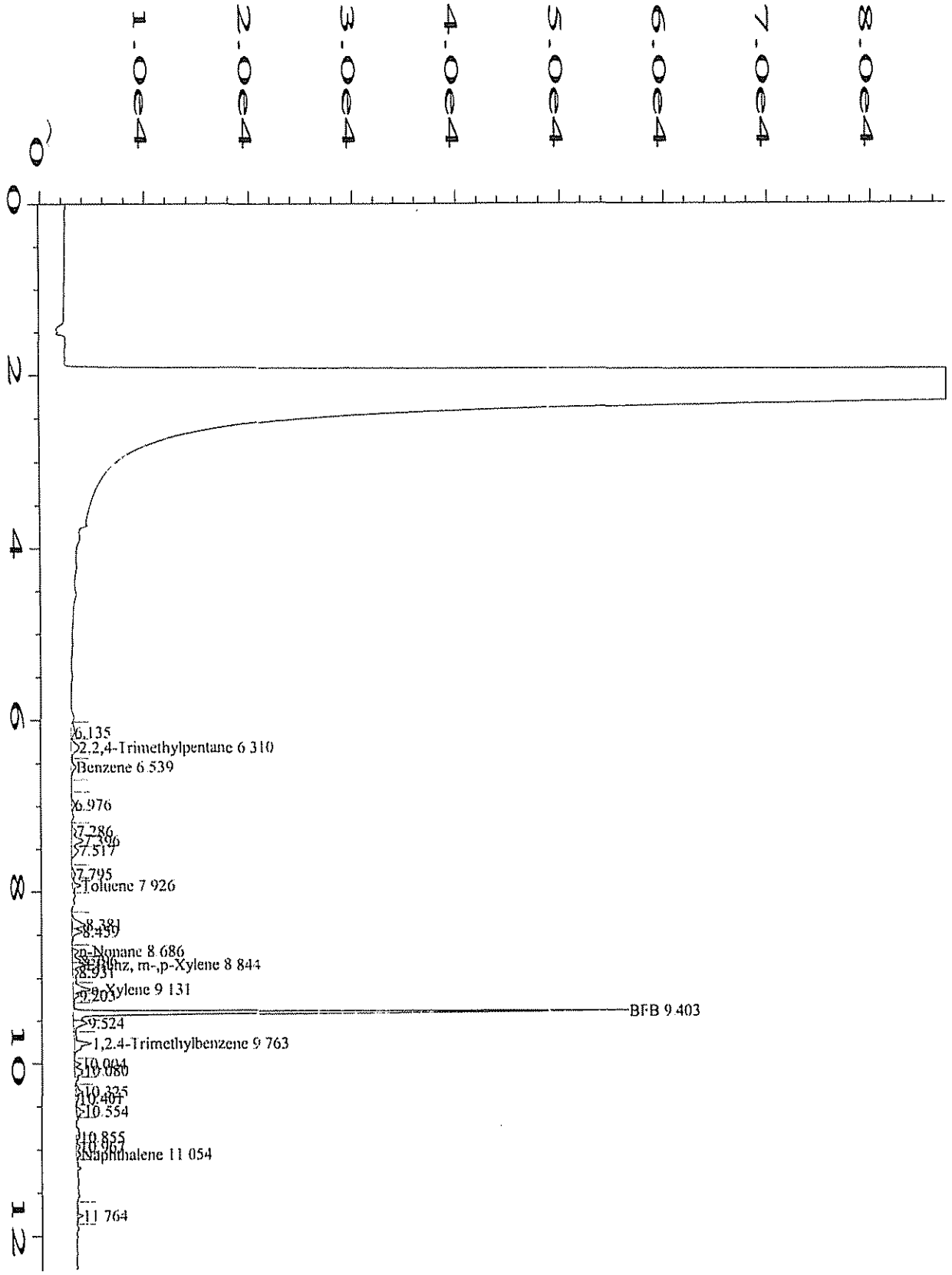
ig. 1 in C:\HPCHEM\1\DATA\vp070505\037F0101.D

et 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	5307	VV	0.104	1	1.019	2,2,4-Trimethylpentane
6.539	2498	VB	0.080	1	0.317	Benzene
7.926	3068	VV	0.054	1	0.326	Toluene
8.686	2286	PV	0.053	1	0.574	n-Nonane
8.844	3760	VV	0.042	1	0.368	EBenz, m-,p-Xylene
9.131	6687	VV	0.056	1	0.664	o-Xylene
9.403	100127	VV	0.030	1	385.687	BFB
9.763	8430	VV	0.067	1	0.897	1,2,4-Trimethylbenzene
11.054	1231	VV	0.042	1	0.290	Naphthalene
6.135	2529	VV	0.108		25.289	* uncalibrated *
6.976	1550	BV	0.088		15.499	* uncalibrated *
7.286	2009	PV	0.066		20.089	* uncalibrated *
7.396	5380	VV	0.071		53.795	* uncalibrated *
7.517	3907	VB	0.079		39.068	* uncalibrated *
7.795	1615	BV	0.060		16.151	* uncalibrated *
8.381	5884	BV	0.062		58.838	* uncalibrated *
8.459	3679	VV	0.053		36.786	* uncalibrated *
8.796	2395	VV	0.049		23.954	* uncalibrated *
8.931	2228	VV	0.054		22.280	* uncalibrated *
9.203	1737	VV	0.044		17.369	* uncalibrated *
9.524	5430	VV	0.056		54.301	* uncalibrated *
10.004	1547	VV	0.037		15.466	* uncalibrated *
10.080	3678	VV	0.065		36.782	* uncalibrated *
10.325	2752	VV	0.053		27.523	* uncalibrated *
10.401	1158	VV	0.051		11.577	* uncalibrated *
10.554	2701	PV	0.051		27.006	* uncalibrated *
10.855	1015	VV	0.048		10.154	* uncalibrated *
10.967	1332	VV	0.061		13.318	* uncalibrated *
11.764	2085	VV	0.049		20.848	* uncalibrated *

alibration table contains at least one peak with amt = 0

ot all calibrated peaks were found

ata File Name	: C:\HPCHEM\1\DATA\vp070505\037F0101.D		
perator	: DCS	Page Number	: 2
nstrument	: FID/PID	Vial Number	: 37
ample Name	: 137275 x1	Injection Number	: 1
un Time Bar Code	:	Sequence Line	: 1
cquired on	: 05 Jul 05 10:34 PM	Instrument Method	: GAS1.MTH
eport Created on	: 06 Jul 05 07:07 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:



Data File Name	: C:\HPCHEM\1\DATA\vp070505\037F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 37
Sample Name	: 137275 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 05 Jul 05 10:34 PM	Instrument Method:	GAS1.MTH
Report Created on:	06 Jul 05 07:08 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

ata File Name : C:\HPCHEM\1\DATA\vp070505\037R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137275 x1
un Time Bar Code:
cquired on : 05 Jul 05 10:34 PM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number) : 1
Vial Number : 37
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\vp070505\037R0101.D

et 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	6487	VV	0.113	1	0.426	2,2,4-Trimethylpentane
6.609	3154	VV	0.114	1	0.0396	Benzene
7.927	5433	VV	0.048	1	0.133	Toluene
8.696	1594	BV	0.058	1	0.235	n-Nonane
8.844	9223	VV	0.056	1	0.273	ethbzene/m,p-xylene
9.131	7227	VV	0.066	1	0.187	o-Xylene
9.405	478660	VV	0.033	1	32.216	BFB(pid)
9.762	10019	VV	0.056	1	0.326	1,2,4-Trimethylbenzene
11.211	2318	VV	0.039	1	0.132	Naphthalene(pid)
2.109	162554	BB	0.099		1625.539	* uncalibrated *
6.130	2785	BV	0.149		27.848	* uncalibrated *
6.990	1807	VV	0.085		18.066	* uncalibrated *
7.129	1888	VV	0.084		18.878	* uncalibrated *
7.292	2524	VV	0.067		25.239	* uncalibrated *
7.398	5271	VV	0.081		52.708	* uncalibrated *
7.524	3335	VV	0.101		33.347	* uncalibrated *
7.748	1255	PV	0.065		12.546	* uncalibrated *
8.050	597	VV	0.046		5.966	* uncalibrated *
8.377	5202	BV	0.086		52.024	* uncalibrated *
8.461	3182	VB	0.058		31.817	* uncalibrated *
8.934	2243	VV	0.065		22.431	* uncalibrated *
9.026	1341	VV	0.053		13.408	* uncalibrated *
9.204	1642	VV	0.060		16.415	* uncalibrated *
9.524	10496	VV	0.056		104.961	* uncalibrated *
10.008	2618	VV	0.054		26.178	* uncalibrated *
10.115	5754	VV	0.073		57.540	* uncalibrated *
10.177	1795	VV	0.048		17.953	* uncalibrated *
10.280	1305	VV	0.042		13.045	* uncalibrated *
10.325	2447	VV	0.039		24.473	* uncalibrated *
10.560	5172	VV	0.061		51.715	* uncalibrated *
10.763	1402	VV	0.046		14.019	* uncalibrated *
10.807	1452	VV	0.036		14.521	* uncalibrated *
10.853	1365	VV	0.045		13.652	* uncalibrated *
10.970	2362	VV	0.065		23.616	* uncalibrated *
11.055	1615	VV	0.063		16.146	* uncalibrated *
11.354	1077	VV	0.043		10.773	* uncalibrated *
11.482	1100	VV	0.054		10.999	* uncalibrated *
11.763	3449	VV	0.043		34.490	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070505\037R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137275 x1
un Time Bar Code:
cquired on : 05 Jul 05 10:34 PM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 37
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

11.909	856	VV	0.031	8.556	* uncalibrated *
12.359	396	PBA	0.032	3.963	* uncalibrated *

ot all calibrated peaks were found

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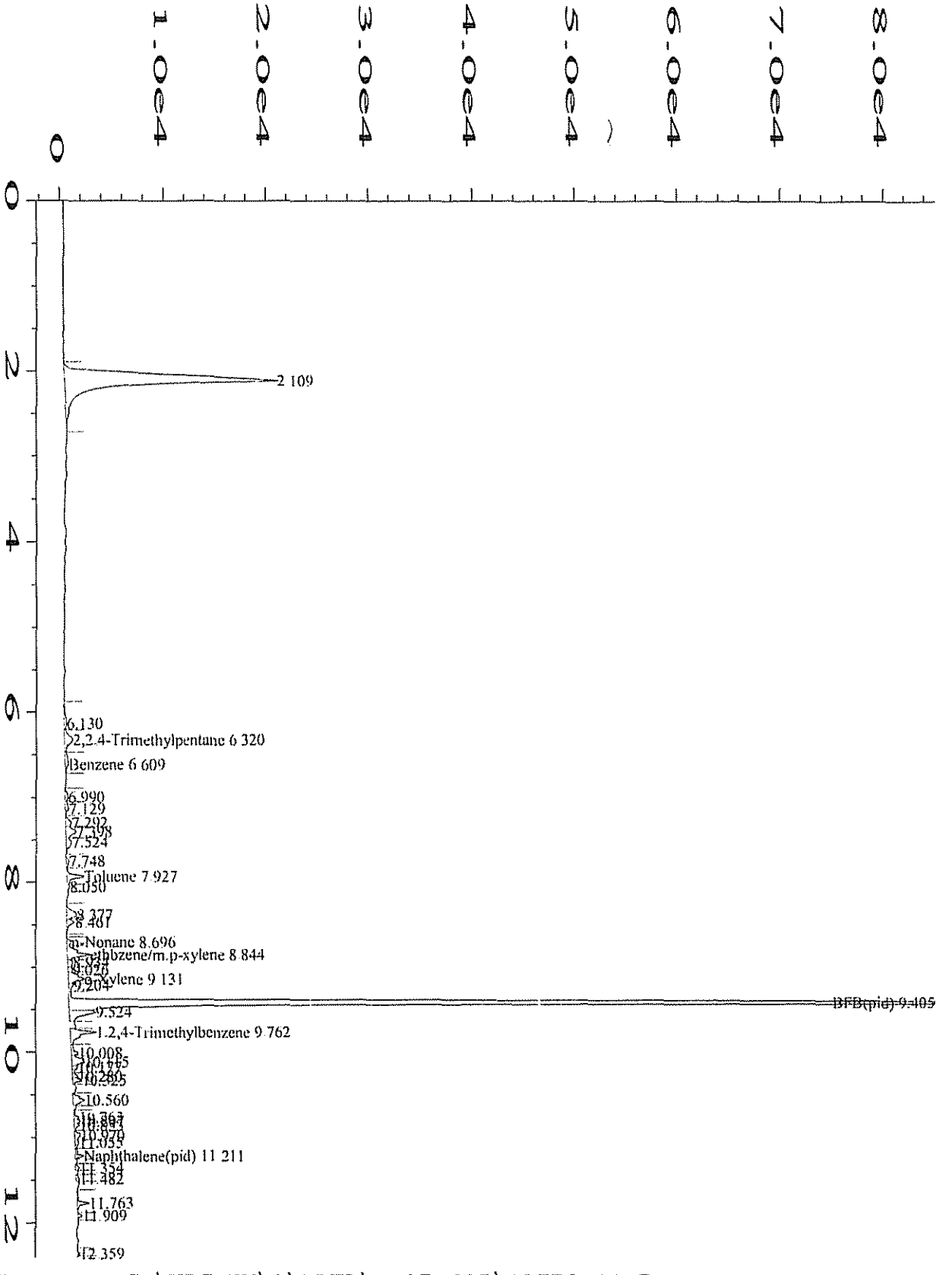

Data File Name	: C:\HPCHEM\1\DATA\vp070505\037R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 37
Sample Name	: 137275 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 05 Jul 05 10:34 PM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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\vp070505\038F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-4C x1
Run Time Bar Code: 137279
Acquired on : 05 Jul 05 10:59 PM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 38
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\vp070505\038F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.778	* not found *			1		n-Pentane
3.877	40251	PV	0.113	1	7.149	2-Methylpentane
4.200	38044	VV	0.123	1	89.181	MTBE
6.249	108975	VV	0.095	1	20.931	2,2,4-Trimethylpentane
6.540	360342	VV	0.077	1	235.796	Benzene
7.867	104848	VV	0.067	1	11.130	Toluene
8.701	174356	VV	0.070	1	65.412	n-Nonane
8.854	117971	VV	0.053	1	11.532	EBenz, m-,p-Xylene
9.130	553482	VV	0.053	1	270.796	o-Xylene
9.402	269651	VV	0.055	1	1038.698	BFB
9.772	603743	VV	0.132	1	433.818	1,2,4-Trimethylbenzene
11.208	62894	VV	0.043	1	14.840	Naphthalene
4.542	83873	PV	0.102		838.730	* uncalibrated *
4.906	30300	VV	0.135		303.003	* uncalibrated *
5.229	21175	VV	0.133		211.747	* uncalibrated *
5.477	96697	VV	0.106		966.971	* uncalibrated *
5.805	4007	PV	0.092		40.065	* uncalibrated *
5.958	65471	VV	0.087		654.707	* uncalibrated *
6.131	139733	VV	0.116		1397.326	* uncalibrated *
6.725	32765	VV	0.072		327.655	* uncalibrated *
6.821	56048	VV	0.072		560.482	* uncalibrated *
6.991	77482	VV	0.083		774.819	* uncalibrated *
7.122	286910	VV	0.066		2869.102	* uncalibrated *
7.237	58913	VV	0.063		589.133	* uncalibrated *
7.403	316758	VV	0.069		3167.576	* uncalibrated *
7.519	232558	VV	0.071		2325.582	* uncalibrated *
7.793	424879	VV	0.066		4248.789	* uncalibrated *
7.986	133632	VV	0.067		1336.316	* uncalibrated *
8.052	314019	VV	0.095		3140.191	* uncalibrated *
8.374	685640	VV	0.086		6856.398	* uncalibrated *
8.458	264076	VV	0.044		2640.763	* uncalibrated *
8.556	51550	VV	0.059		515.504	* uncalibrated *
8.786	288262	VV	0.056		2882.615	* uncalibrated *
8.931	282365	VV	0.062		2823.646	* uncalibrated *
9.021	131118	VV	0.048		1311.184	* uncalibrated *
9.201	159301	VV	0.047		1593.015	* uncalibrated *
9.261	121671	VV	0.073		1216.714	* uncalibrated *
9.473	567750	VV	0.102		5677.500	* uncalibrated *
9.644	81361	VV	0.044		813.606	* uncalibrated *
10.075	294340	VV	0.076		2943.402	* uncalibrated *
10.122	79409	VV	0.035		794.087	* uncalibrated *
10.179	235021	VV	0.064		2350.210	* uncalibrated *
10.324	200458	VV	0.056		2004.581	* uncalibrated *

10.402	113325	VV	0.049	1133.251	*	uncalibrated *
10.447	108522	VV	0.039	1085.223	*	uncalibrated *
10.527	112853	VV	0.062	1128.531	*	uncalibrated *
10.586	72952	VV	0.046	729.520	*	uncalibrated *
10.636	95995	VV	0.070	959.948	*	uncalibrated *
10.762	80084	VV	0.047	800.843	*	uncalibrated *
10.798	60500	VV	0.038	604.997	*	uncalibrated *
10.853	93050	VV	0.048	930.503	*	uncalibrated *
10.979	108568	VV	0.062	1085.675	*	uncalibrated *
11.068	56569	VV	0.048	565.694	*	uncalibrated *
11.127	24254	VV	0.057	242.542	*	uncalibrated *
11.267	20333	VV	0.062	203.333	*	uncalibrated *
11.351	16373	VV	0.044	163.733	*	uncalibrated *
11.479	24814	VV	0.079	248.139	*	uncalibrated *
11.528	10991	VV	0.064	109.914	*	uncalibrated *
11.620	3763	VV	0.054	37.631	*	uncalibrated *
11.762	16104	VV	0.054	161.044	*	uncalibrated *
11.908	4629	VV	0.052	46.292	*	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\vp070505\038R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-4C x1
Run Time Bar Code: 137279
Acquired on : 05 Jul 05 10:59 PM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 38
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\vp070505\038R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.811	12493	VV	0.133	1	1.992	n-Pentane
3.895	38613	PV	0.149	1	4.089	2-Methylpentane
4.221	27883	VV	0.140	1	0.925	MTBE
6.260	197920	VV	0.114	1	13.008	2,2,4-Trimethylpentane
6.555	335533	VV	0.114	1	4.217	Benzene
7.877	210001	VV	0.080	1	5.147	Toluene
8.713	244905	VV	0.076	1	36.083	n-Nonane
8.791	713223	VV	0.082	1	21.086	ethbzene/m,p-xylene
9.134	1053841	VV	0.080	1	27.208	o-Xylene
9.406	913052	VV	0.059	1	61.453	BFB(pid)
9.811	1002484	VV	0.144	1	32.652	1,2,4-Trimethylbenzene
11.208	182150	VV	0.052	1	10.407	Naphthalene(pid)
2.140	209702	BV	0.110		2097.018	* uncalibrated *
2.493	11475	VV	0.145		114.745	* uncalibrated *
3.015	3344	VV	0.093		33.439	* uncalibrated *
3.223	26041	VV	0.131		260.411	* uncalibrated *
4.063	10990	VV	0.084		109.903	* uncalibrated *
4.554	48203	VV	0.125		482.034	* uncalibrated *
4.910	47714	VV	0.142		477.136	* uncalibrated *
5.232	31631	VV	0.125		316.310	* uncalibrated *
5.491	57243	VV	0.116		572.434	* uncalibrated *
5.825	6610	VV	0.106		66.095	* uncalibrated *
5.976	35927	VV	0.076		359.269	* uncalibrated *
6.087	150440	VV	0.115		1504.399	* uncalibrated *
6.721	47814	VV	0.062		478.143	* uncalibrated *
6.823	79198	VV	0.075		791.983	* uncalibrated *
7.000	83554	VV	0.081		835.540	* uncalibrated *
7.133	609612	VV	0.085		6096.116	* uncalibrated *
7.415	342798	VV	0.090		3427.975	* uncalibrated *
7.531	321998	VV	0.085		3219.983	* uncalibrated *
7.789	555439	VV	0.090		5554.387	* uncalibrated *
7.992	227455	VV	0.058		2274.546	* uncalibrated *
8.068	465825	VV	0.103		4658.250	* uncalibrated *
8.365	1066585	VV	0.094		10665.85	* uncalibrated *
8.461	561526	VV	0.069		5615.256	* uncalibrated *
8.958	460295	VV	0.087		4602.946	* uncalibrated *
9.022	228535	VV	0.056		2285.348	* uncalibrated *
9.261	270618	VV	0.077		2706.183	* uncalibrated *
9.472	1152576	VV	0.128		11525.76	* uncalibrated *
10.078	487115	VV	0.081		4871.150	* uncalibrated *
10.121	140733	VV	0.036		1407.329	* uncalibrated *
10.181	450187	VV	0.060		4501.867	* uncalibrated *
10.324	302650	VV	0.057		3026.495	* uncalibrated *

10.448	379457	VV	0.071	3794.575	* uncalibrated *
10.522	175658	VV	0.055	1756.583	* uncalibrated *
10.583	322564	VV	0.090	3225.636	* uncalibrated *
10.763	141961	VV	0.048	1419.612	* uncalibrated *
10.797	104372	VV	0.038	1043.722	* uncalibrated *
10.853	164980	VV	0.052	1649.796	* uncalibrated *
10.979	201554	VV	0.067	2015.539	* uncalibrated *
11.069	141474	VV	0.071	1414.738	* uncalibrated *
11.350	34619	VV	0.048	346.189	* uncalibrated *
11.479	49249	VV	0.082	492.491	* uncalibrated *
11.526	33406	VV	0.099	334.064	* uncalibrated *
11.762	40904	VV	0.060	409.045	* uncalibrated *
11.907	18877	VV	0.070	188.765	* uncalibrated *
12.357	701	PBA	0.080	7.014	* uncalibrated *

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External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\038F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137279 x1
un Time Bar Code:
cquired on : 05 Jul 05 10:59 PM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 38
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070505\038F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.778	* not found *			1		n-Pentane
3.877	40251	PV	0.113	1	7.149	2-Methylpentane
4.200	38044	VV	0.123	1	89.181	MTBE
6.249	108975	VV	0.095	1	20.931	2,2,4-Trimethylpentane
6.540	360342	VV	0.077	1	235.796	Benzene
7.867	104848	VV	0.067	1	11.130	Toluene
8.701	174356	VV	0.070	1	65.412	n-Nonane
8.854	117971	VV	0.053	1	11.532	EBenz, m-,p-Xylene
9.130	553482	VV	0.053	1	270.796	o-Xylene
9.402	269651	VV	0.055	1	1038.698	BFB
9.772	603743	VV	0.132	1	433.818	1,2,4-Trimethylbenzene
11.208	62894	VV	0.043	1	14.840	Naphthalene
4.542	83873	PV	0.102		838.730	* uncalibrated *
4.906	30300	VV	0.135		303.003	* uncalibrated *
5.229	21175	VV	0.133		211.747	* uncalibrated *
5.477	96697	VV	0.106		966.971	* uncalibrated *
5.805	4007	PV	0.092		40.065	* uncalibrated *
5.958	65471	VV	0.087		654.707	* uncalibrated *
6.131	139733	VV	0.116		1397.326	* uncalibrated *
6.725	32765	VV	0.072		327.655	* uncalibrated *
6.821	56048	VV	0.072		560.482	* uncalibrated *
6.991	77482	VV	0.083		774.819	* uncalibrated *
7.122	286910	VV	0.066		2869.102	* uncalibrated *
7.237	58913	VV	0.063		589.133	* uncalibrated *
7.403	316758	VV	0.069		3167.576	* uncalibrated *
7.519	232558	VV	0.071		2325.582	* uncalibrated *
7.793	424879	VV	0.066		4248.789	* uncalibrated *
7.986	133632	VV	0.067		1336.316	* uncalibrated *
8.052	314019	VV	0.095		3140.191	* uncalibrated *
8.374	685640	VV	0.086		6856.398	* uncalibrated *
8.458	264076	VV	0.044		2640.763	* uncalibrated *
8.556	51550	VV	0.059		515.504	* uncalibrated *
8.786	288262	VV	0.056		2882.615	* uncalibrated *
8.931	282365	VV	0.062		2823.646	* uncalibrated *
9.021	131118	VV	0.048		1311.184	* uncalibrated *
9.201	159301	VV	0.047		1593.015	* uncalibrated *
9.261	121671	VV	0.073		1216.714	* uncalibrated *
9.473	567750	VV	0.102		5677.500	* uncalibrated *
9.644	81361	VV	0.044		813.606	* uncalibrated *
10.075	294340	VV	0.076		2943.402	* uncalibrated *
10.122	79409	VV	0.035		794.087	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070505\038F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137279 x1
un Time Bar Code:
cquired on : 05 Jul 05 10:59 PM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 38
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.179	235021	VV	0.064	2350.210	* uncalibrated *
10.324	200458	VV	0.056	2004.581	* uncalibrated *
10.402	113325	VV	0.049	1133.251	* uncalibrated *
10.447	108522	VV	0.039	1085.223	* uncalibrated *
10.527	112853	VV	0.062	1128.531	* uncalibrated *
10.586	72952	VV	0.046	729.520	* uncalibrated *
10.636	95995	VV	0.070	959.948	* uncalibrated *
10.762	80084	VV	0.047	800.843	* uncalibrated *
10.798	60500	VV	0.038	604.997	* uncalibrated *
10.853	93050	VV	0.048	930.503	* uncalibrated *
10.979	108568	VV	0.062	1085.675	* uncalibrated *
11.068	56569	VV	0.048	565.694	* uncalibrated *
11.127	24254	VV	0.057	242.542	* uncalibrated *
11.267	20333	VV	0.062	203.333	* uncalibrated *
11.351	16373	VV	0.044	163.733	* uncalibrated *
11.479	24814	VV	0.079	248.139	* uncalibrated *
11.528	10991	VV	0.064	109.914	* uncalibrated *
11.620	3763	VV	0.054	37.631	* uncalibrated *
11.762	16104	VV	0.054	161.044	* uncalibrated *
11.908	4629	VV	0.052	46.292	* uncalibrated *

alibration table contains at least one peak with amt = 0

ot all calibrated peaks were found

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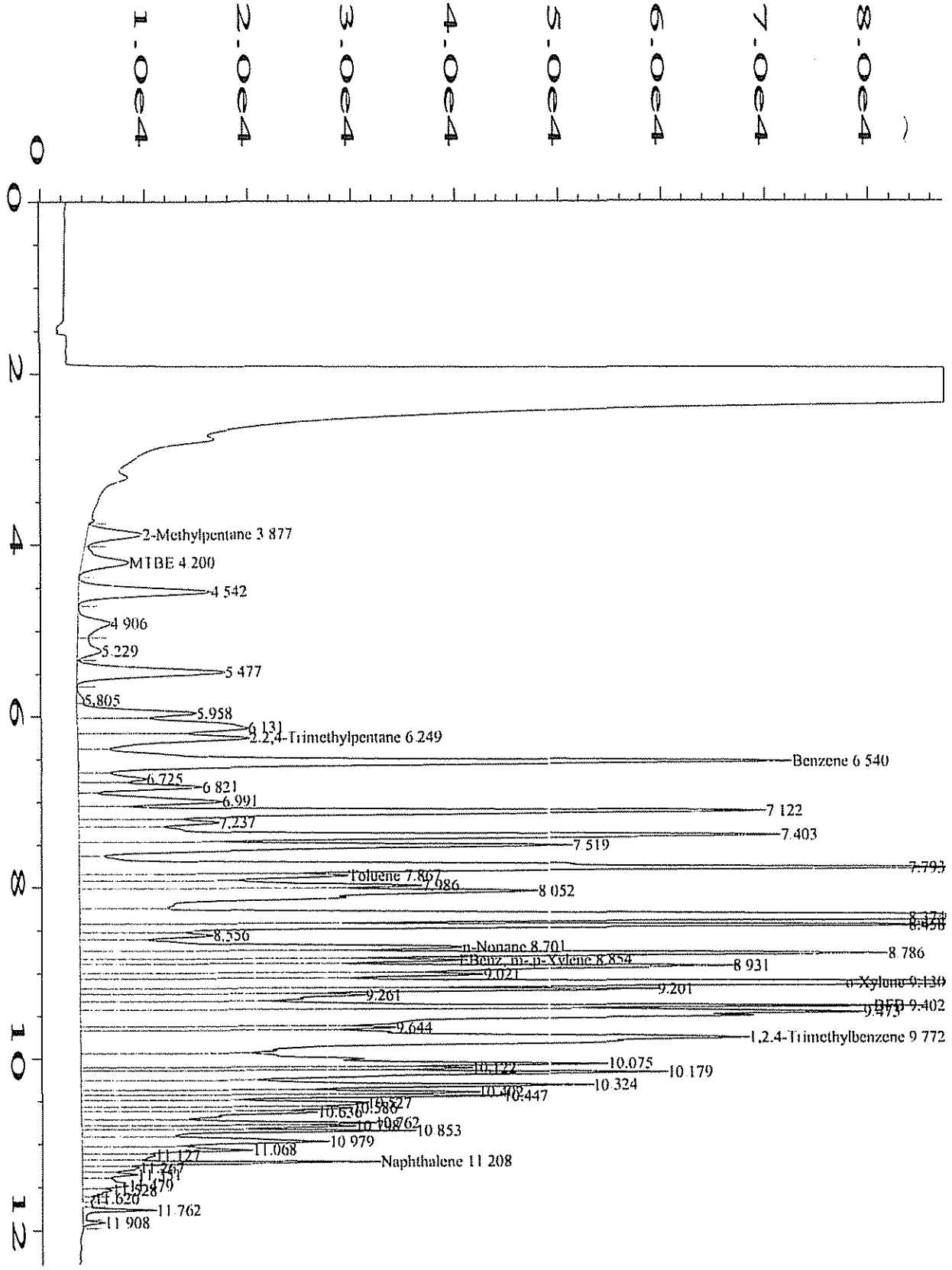

ata File Name	: C:\HPCHEM\1\DATA\vp070505\038F0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 38
ample Name	: 137279 x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 05 Jul 05 10:59 PM	Instrument Method:	GAS1.MTH
eport Created on:	06 Jul 05 07:08 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\038R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137279 x1
un Time Bar Code:
cquired on : 05 Jul 05 10:59 PM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 38
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\vp070505\038R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.811	12493	VV	0.133	1	1.992	n-Pentane
3.895	38613	PV	0.149	1	4.089	2-Methylpentane
4.221	27883	VV	0.140	1	0.925	MTBE
6.260	197920	VV	0.114	1	13.008	2,2,4-Trimethylpentane
6.555	335533	VV	0.114	1	4.217	Benzene
7.877	210001	VV	0.080	1	5.147	Toluene
8.713	244905	VV	0.076	1	36.083	n-Nonane
8.791	713223	VV	0.082	1	21.086	ethbzene/m,p-xylene
9.134	1053841	VV	0.080	1	27.208	o-Xylene
9.406	913052	VV	0.059	1	61.453	BFB(pid)
9.811	1002484	VV	0.144	1	32.652	1,2,4-Trimethylbenzene
11.208	182150	VV	0.052	1	10.407	Naphthalene(pid)
2.140	209702	BV	0.110		2097.018	* uncalibrated *
2.493	11475	VV	0.145		114.745	* uncalibrated *
3.015	3344	VV	0.093		33.439	* uncalibrated *
3.223	26041	VV	0.131		260.411	* uncalibrated *
4.063	10990	VV	0.084		109.903	* uncalibrated *
4.554	48203	VV	0.125		482.034	* uncalibrated *
4.910	47714	VV	0.142		477.136	* uncalibrated *
5.232	31631	VV	0.125		316.310	* uncalibrated *
5.491	57243	VV	0.116		572.434	* uncalibrated *
5.825	6610	VV	0.106		66.095	* uncalibrated *
5.976	35927	VV	0.076		359.269	* uncalibrated *
6.087	150440	VV	0.115		1504.399	* uncalibrated *
6.721	47814	VV	0.062		478.143	* uncalibrated *
6.823	79198	VV	0.075		791.983	* uncalibrated *
7.000	83554	VV	0.081		835.540	* uncalibrated *
7.133	609612	VV	0.085		6096.116	* uncalibrated *
7.415	342798	VV	0.090		3427.975	* uncalibrated *
7.531	321998	VV	0.085		3219.983	* uncalibrated *
7.789	555439	VV	0.090		5554.387	* uncalibrated *
7.992	227455	VV	0.058		2274.546	* uncalibrated *
8.068	465825	VV	0.103		4658.250	* uncalibrated *
8.365	1066585	VV	0.094		10665.85	* uncalibrated *
8.461	561526	VV	0.069		5615.256	* uncalibrated *
8.958	460295	VV	0.087		4602.946	* uncalibrated *
9.022	228535	VV	0.056		2285.348	* uncalibrated *
9.261	270618	VV	0.077		2706.183	* uncalibrated *
9.472	1152576	VV	0.128		11525.76	* uncalibrated *
10.078	487115	VV	0.081		4871.150	* uncalibrated *
10.121	140733	VV	0.036		1407.329	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070505\038R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137279 x1
un Time Bar Code:
cquired on : 05 Jul 05 10:59 PM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 38
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.181	450187	VV	0.060	4501.867	* uncalibrated *
10.324	302650	VV	0.057	3026.495	* uncalibrated *
10.448	379457	VV	0.071	3794.575	* uncalibrated *
10.522	175658	VV	0.055	1756.583	* uncalibrated *
10.583	322564	VV	0.090	3225.636	* uncalibrated *
10.763	141961	VV	0.048	1419.612	* uncalibrated *
10.797	104372	VV	0.038	1043.722	* uncalibrated *
10.853	164980	VV	0.052	1649.796	* uncalibrated *
10.979	201554	VV	0.067	2015.539	* uncalibrated *
11.069	141474	VV	0.071	1414.738	* uncalibrated *
11.350	34619	VV	0.048	346.189	* uncalibrated *
11.479	49249	VV	0.082	492.491	* uncalibrated *
11.526	33406	VV	0.099	334.064	* uncalibrated *
11.762	40904	VV	0.060	409.045	* uncalibrated *
11.907	18877	VV	0.070	188.765	* uncalibrated *
12.357	701	PBA	0.080	7.014	* uncalibrated *

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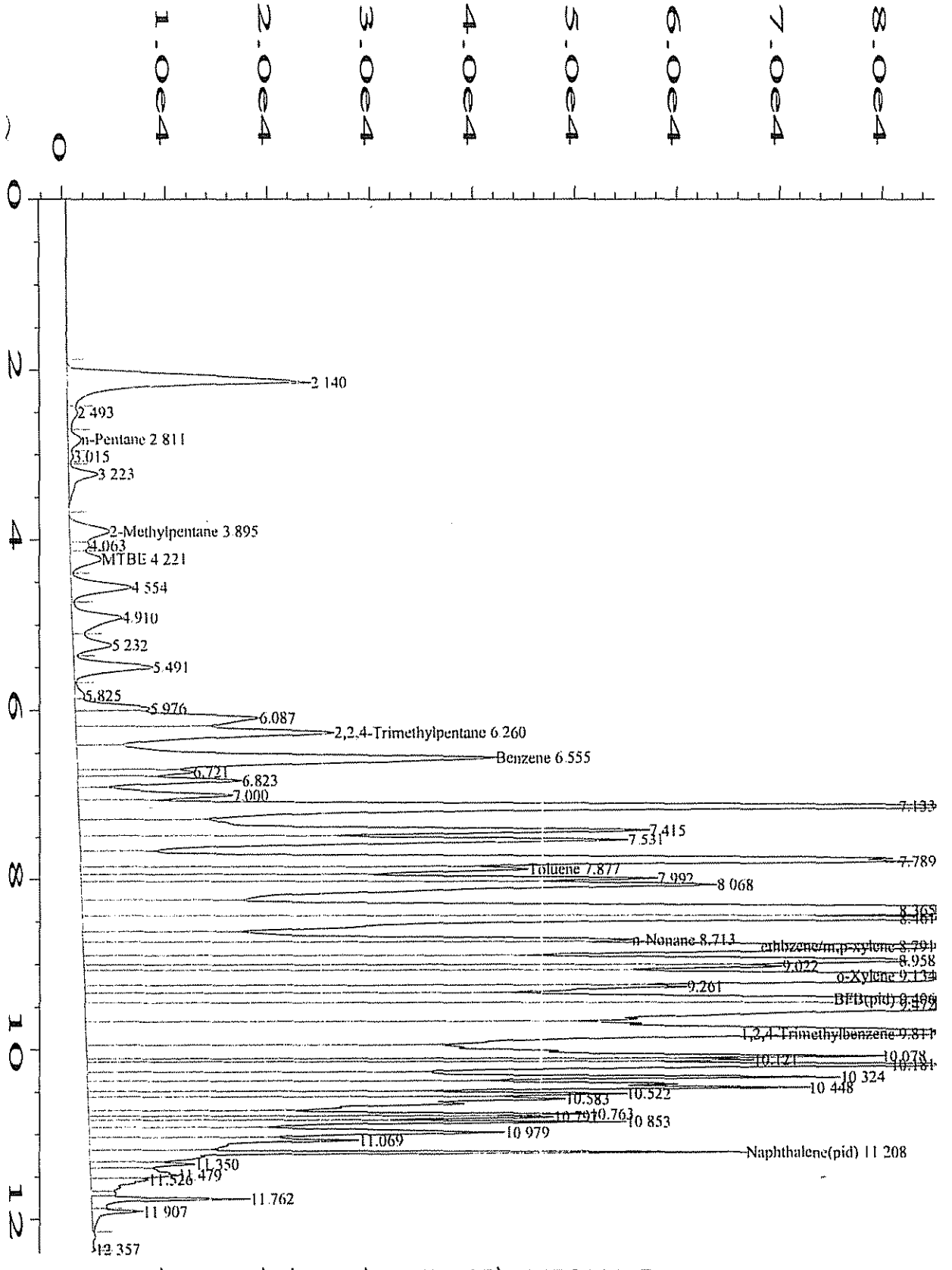


Data File Name	: C:\HPCHEM\1\DATA\vp070505\038R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 38
Sample Name	: 137279 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 05 Jul 05 10:59 PM	Instrument Method:	GAS1.MTH
Report Created on:	06 Jul 05 07:08 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\vp070505\039F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-5C x1
Run Time Bar Code: 137285
Acquired on : 05 Jul 05 11:24 PM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 39
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\vp070505\039F0101.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	* not found *			1		2,2,4-Trimethylpentane
6.541	14562	VV	0.072	1	1.846	Benzene
7.986	6431	VV	0.052	1	0.683	Toluene
8.707	11916	VV	0.067	1	2.990	n-Nonane
8.787	25518	VV	0.072	1	2.494	EBenz, m-,p-Xylene
9.133	34572	VV	0.058	1	3.432	o-Xylene
9.403	122157	VV	0.035	1	470.550	BFB
9.808	25686	VV	0.144	1	2.734	1,2,4-Trimethylbenzene
11.209	4980	VV	0.031	1	1.175	Naphthalene
5.959	2483	BV	0.085		24.828	* uncalibrated *
6.141	4586	VV	0.102		45.858	* uncalibrated *
6.986	3697	VV	0.086		36.974	* uncalibrated *
7.124	6463	VV	0.068		64.631	* uncalibrated *
7.212	2371	VV	0.069		23.709	* uncalibrated *
7.403	22124	VV	0.068		221.237	* uncalibrated *
7.514	18097	VV	0.075		180.972	* uncalibrated *
7.795	24615	VV	0.061		246.146	* uncalibrated *
7.853	9946	VV	0.075		99.457	* uncalibrated *
8.051	10782	VV	0.062		107.819	* uncalibrated *
8.126	7907	VV	0.068		79.074	* uncalibrated *
8.377	45811	VV	0.079		458.115	* uncalibrated *
8.458	23852	VV	0.059		238.520	* uncalibrated *
8.952	17169	VV	0.078		171.690	* uncalibrated *
9.024	7312	VV	0.047		73.123	* uncalibrated *
9.202	10130	VV	0.063		101.302	* uncalibrated *
9.585	5938	VV	0.062		59.385	* uncalibrated *
10.003	4741	VV	0.067		47.410	* uncalibrated *
10.077	6851	VV	0.047		68.506	* uncalibrated *
10.122	3732	VV	0.036		37.323	* uncalibrated *
10.171	8656	VV	0.064		86.563	* uncalibrated *
10.324	8619	VV	0.049		86.186	* uncalibrated *
10.401	5299	VV	0.046		52.991	* uncalibrated *
10.448	4018	VV	0.037		40.185	* uncalibrated *
10.528	5987	VV	0.061		59.868	* uncalibrated *
10.586	4320	VV	0.039		43.199	* uncalibrated *
10.637	4771	VV	0.060		47.712	* uncalibrated *
10.799	8940	VV	0.062		89.398	* uncalibrated *
10.853	5278	VV	0.038		52.779	* uncalibrated *
10.981	8364	VV	0.056		83.638	* uncalibrated *
11.065	5518	VV	0.048		55.183	* uncalibrated *

11.351	1576	VV	0.037	15.758	* uncalibrated *
11.480	2888	VV	0.063	28.885	* uncalibrated *
11.528	1371	VV	0.045	13.712	* uncalibrated *
11.762	4441	BB	0.030	44.415	* uncalibrated *
11.908	1622	BV	0.030	16.223	* 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\vp070505\039R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-5C x1
Run Time Bar Code: 137285
Acquired on : 05 Jul 05 11:24 PM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 39
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\vp070505\039R0101.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
6.312	* not found *			1		2,2,4-Trimethylpentane
6.548	5729	PV	0.074	1	0.0720	Benzene
7.870	10307	VV	0.076	1	0.253	Toluene
8.710	11922	VV	0.062	1	1.757	n-Nonane
8.787	33085	VV	0.074	1	0.978	ethbzene/m,p-xylene
9.134	50591	VV	0.078	1	1.306	o-Xylene
9.405	502971	VV	0.036	1	33.852	BFB(pid)
9.810	34964	VV	0.125	1	1.139	1,2,4-Trimethylbenzene
11.209	14076	VV	0.038	1	0.804	Naphthalene(pid)
2.140	208643	BV	0.109		2086.430	* uncalibrated *
2.669	543	VB	0.078		5.432	* uncalibrated *
6.144	1827	BV	0.089		18.270	* uncalibrated *
6.993	2132	VV	0.074		21.321	* uncalibrated *
7.129	9398	VV	0.077		93.976	* uncalibrated *
7.407	15615	VV	0.080		156.145	* uncalibrated *
7.519	13685	VV	0.081		136.851	* uncalibrated *
7.748	9808	VV	0.050		98.084	* uncalibrated *
7.795	9591	VV	0.046		95.912	* uncalibrated *
7.988	8250	VV	0.055		82.501	* uncalibrated *
8.060	17069	VV	0.098		170.693	* uncalibrated *
8.357	50700	VV	0.094		506.997	* uncalibrated *
8.460	25446	VV	0.066		254.460	* uncalibrated *
8.963	21191	VV	0.076		211.912	* uncalibrated *
9.027	8231	VV	0.049		82.313	* uncalibrated *
10.078	16415	VV	0.075		164.148	* uncalibrated *
10.122	5871	VV	0.037		58.711	* uncalibrated *
10.174	13354	VV	0.063		133.545	* uncalibrated *
10.324	11984	VV	0.050		119.843	* uncalibrated *
10.405	6892	VV	0.051		68.916	* uncalibrated *
10.449	6926	VV	0.039		69.258	* uncalibrated *
10.522	7817	VV	0.043		78.169	* uncalibrated *
10.585	8220	VV	0.048		82.204	* uncalibrated *
10.638	7208	VV	0.054		72.075	* uncalibrated *
10.799	14404	VV	0.063		144.040	* uncalibrated *
10.853	8232	VV	0.040		82.315	* uncalibrated *
10.981	13842	VV	0.059		138.419	* uncalibrated *
11.068	7854	VV	0.047		78.536	* uncalibrated *
11.351	3003	VV	0.040		30.028	* uncalibrated *
11.480	5588	VV	0.066		55.875	* uncalibrated *
11.527	2802	VV	0.049		28.019	* uncalibrated *

11.762	11794	VV	0.036	117.940	* uncalibrated *
11.908	5121	VV	0.041	51.209	* uncalibrated *
12.358	898	VBA	0.036	8.980	* uncalibrated *

Not all calibrated peaks were found

==========

External Standard Report

ata File Name	: C:\HPCHEM\1\DATA\vp070505\039F0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 39
ample Name	: 137285 xl	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 05 Jul 05 11:24 PM	Instrument Method	: GAS1.MTH
eport Created on	: 06 Jul 05 07:08 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

ig. 1 in C:\HPCHEM\1\DATA\vp070505\039F0101.D

et 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
6.541	14562	VV	0.072	1	1.846	Benzene
7.986	6431	VV	0.052	1	0.683	Toluene
8.707	11916	VV	0.067	1	2.990	n-Nonane
8.787	25518	VV	0.072	1	2.494	EBenz, m-,p-Xylene
9.133	34572	VV	0.058	1	3.432	o-Xylene
9.403	122157	VV	0.035	1	470.550	BFB
9.808	25686	VV	0.144	1	2.734	1,2,4-Trimethylbenzene
11.209	4980	VV	0.031	1	1.175	Naphthalene
5.959	2483	BV	0.085		24.828	* uncalibrated *
6.141	4586	VV	0.102		45.858	* uncalibrated *
6.986	3697	VV	0.086		36.974	* uncalibrated *
7.124	6463	VV	0.068		64.631	* uncalibrated *
7.212	2371	VV	0.069		23.709	* uncalibrated *
7.403	22124	VV	0.068		221.237	* uncalibrated *
7.514	18097	VV	0.075		180.972	* uncalibrated *
7.795	24615	VV	0.061		246.146	* uncalibrated *
7.853	9946	VV	0.075		99.457	* uncalibrated *
8.051	10782	VV	0.062		107.819	* uncalibrated *
8.126	7907	VV	0.068		79.074	* uncalibrated *
8.377	45811	VV	0.079		458.115	* uncalibrated *
8.458	23852	VV	0.059		238.520	* uncalibrated *
8.952	17169	VV	0.078		171.690	* uncalibrated *
9.024	7312	VV	0.047		73.123	* uncalibrated *
9.202	10130	VV	0.063		101.302	* uncalibrated *
9.585	5938	VV	0.062		59.385	* uncalibrated *
10.003	4741	VV	0.067		47.410	* uncalibrated *
10.077	6851	VV	0.047		68.506	* uncalibrated *
10.122	3732	VV	0.036		37.323	* uncalibrated *
10.171	8656	VV	0.064		86.563	* uncalibrated *
10.324	8619	VV	0.049		86.186	* uncalibrated *
10.401	5299	VV	0.046		52.991	* uncalibrated *
10.448	4018	VV	0.037		40.185	* uncalibrated *
10.528	5987	VV	0.061		59.868	* uncalibrated *
10.586	4320	VV	0.039		43.199	* uncalibrated *
10.637	4771	VV	0.060		47.712	* uncalibrated *
10.799	8940	VV	0.062		89.398	* uncalibrated *
10.853	5278	VV	0.038		52.779	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070505\039F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137285 x1
un Time Bar Code:
cquired on : 05 Jul 05 11:24 PM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

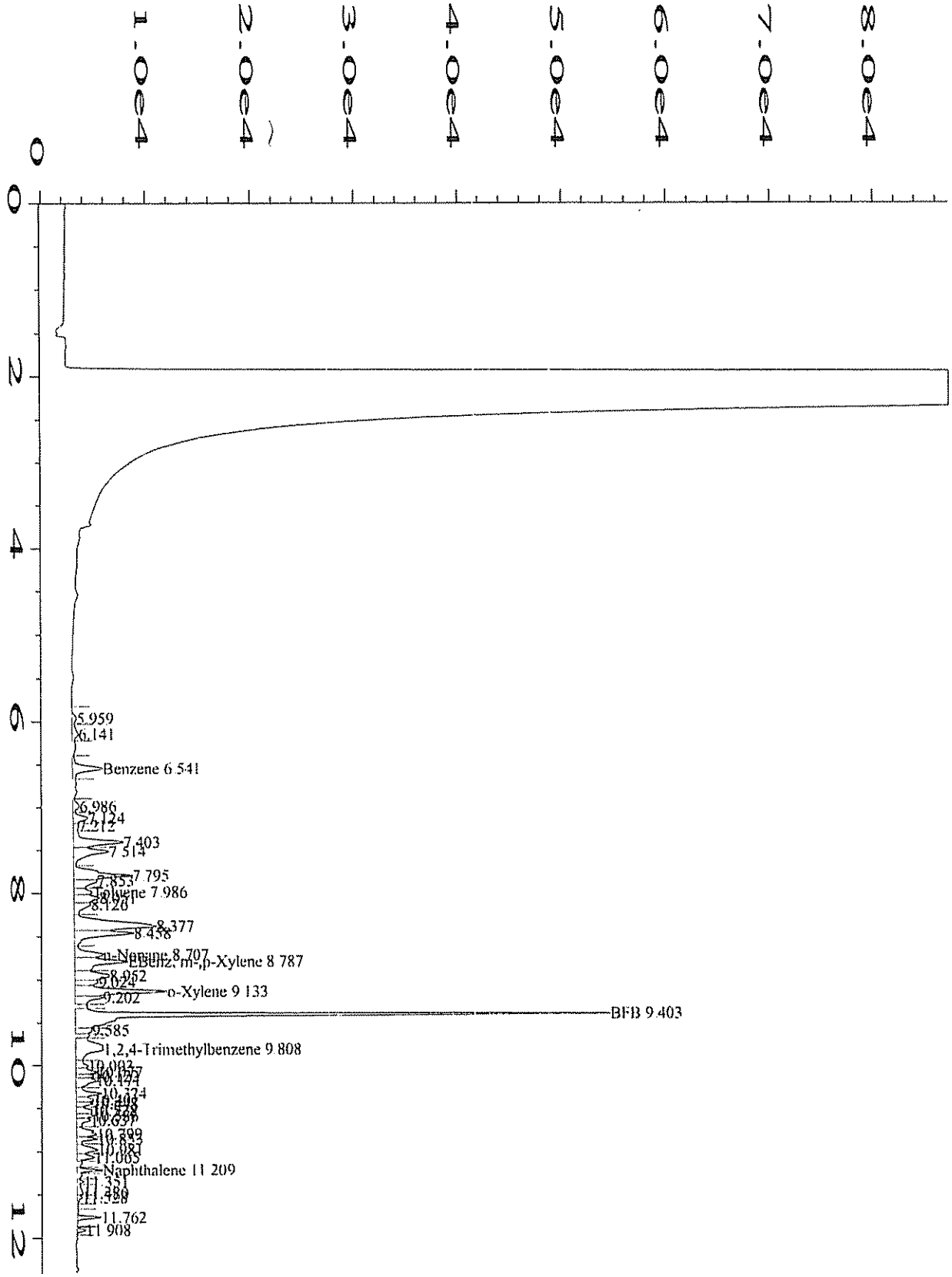
Page Number : 2
Vial Number : 39
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.981	8364	VV	0.056	83.638	* uncalibrated *
11.065	5518	VV	0.048	55.183	* uncalibrated *
11.351	1576	VV	0.037	15.758	* uncalibrated *
11.480	2888	VV	0.063	28.885	* uncalibrated *
11.528	1371	VV	0.045	13.712	* uncalibrated *
11.762	4441	BB	0.030	44.415	* uncalibrated *
11.908	1622	BV	0.030	16.223	* uncalibrated *

alibration table contains at least one peak with amt = 0

ot all calibrated peaks were found

==========



ata File Name	: C:\HPCHEM\1\DATA\vp070505\039F0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 39
ample Name	: 137285 x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 05 Jul 05 11:24 PM	Instrument Method:	GAS1.MTH
eport Created on:	06 Jul 05 07:08 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

ata File Name : C:\HPCHEM\1\DATA\vp070505\039R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137285 x1
un Time Bar Code:
cquired on : 05 Jul 05 11:24 PM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 39
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\vp070505\039R0101.D

et 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
6.548	5729	PV	0.074	1	0.0720	Benzene
7.870	10307	VV	0.076	1	0.253	Toluene
8.710	11922	VV	0.062	1	1.757	n-Nonane
8.787	33085	VV	0.074	1	0.978	ethbzene/m,p-xylene
9.134	50591	VV	0.078	1	1.306	o-Xylene
9.405	502971	VV	0.036	1	33.852	BFB(pid)
9.810	34964	VV	0.125	1	1.139	1,2,4-Trimethylbenzene
11.209	14076	VV	0.038	1	0.804	Naphthalene(pid)
2.140	208643	BV	0.109		2086.430	* uncalibrated *
2.669	543	VB	0.078		5.432	* uncalibrated *
6.144	1827	BV	0.089		18.270	* uncalibrated *
6.993	2132	VV	0.074		21.321	* uncalibrated *
7.129	9398	VV	0.077		93.976	* uncalibrated *
7.407	15615	VV	0.080		156.145	* uncalibrated *
7.519	13685	VV	0.081		136.851	* uncalibrated *
7.748	9808	VV	0.050		98.084	* uncalibrated *
7.795	9591	VV	0.046		95.912	* uncalibrated *
7.988	8250	VV	0.055		82.501	* uncalibrated *
8.060	17069	VV	0.098		170.693	* uncalibrated *
8.357	50700	VV	0.094		506.997	* uncalibrated *
8.460	25446	VV	0.066		254.460	* uncalibrated *
8.963	21191	VV	0.076		211.912	* uncalibrated *
9.027	8231	VV	0.049		82.313	* uncalibrated *
10.078	16415	VV	0.075		164.148	* uncalibrated *
10.122	5871	VV	0.037		58.711	* uncalibrated *
10.174	13354	VV	0.063		133.545	* uncalibrated *
10.324	11984	VV	0.050		119.843	* uncalibrated *
10.405	6892	VV	0.051		68.916	* uncalibrated *
10.449	6926	VV	0.039		69.258	* uncalibrated *
10.522	7817	VV	0.043		78.169	* uncalibrated *
10.585	8220	VV	0.048		82.204	* uncalibrated *
10.638	7208	VV	0.054		72.075	* uncalibrated *
10.799	14404	VV	0.063		144.040	* uncalibrated *
10.853	8232	VV	0.040		82.315	* uncalibrated *
10.981	13842	VV	0.059		138.419	* uncalibrated *
11.068	7854	VV	0.047		78.536	* uncalibrated *
11.351	3003	VV	0.040		30.028	* uncalibrated *

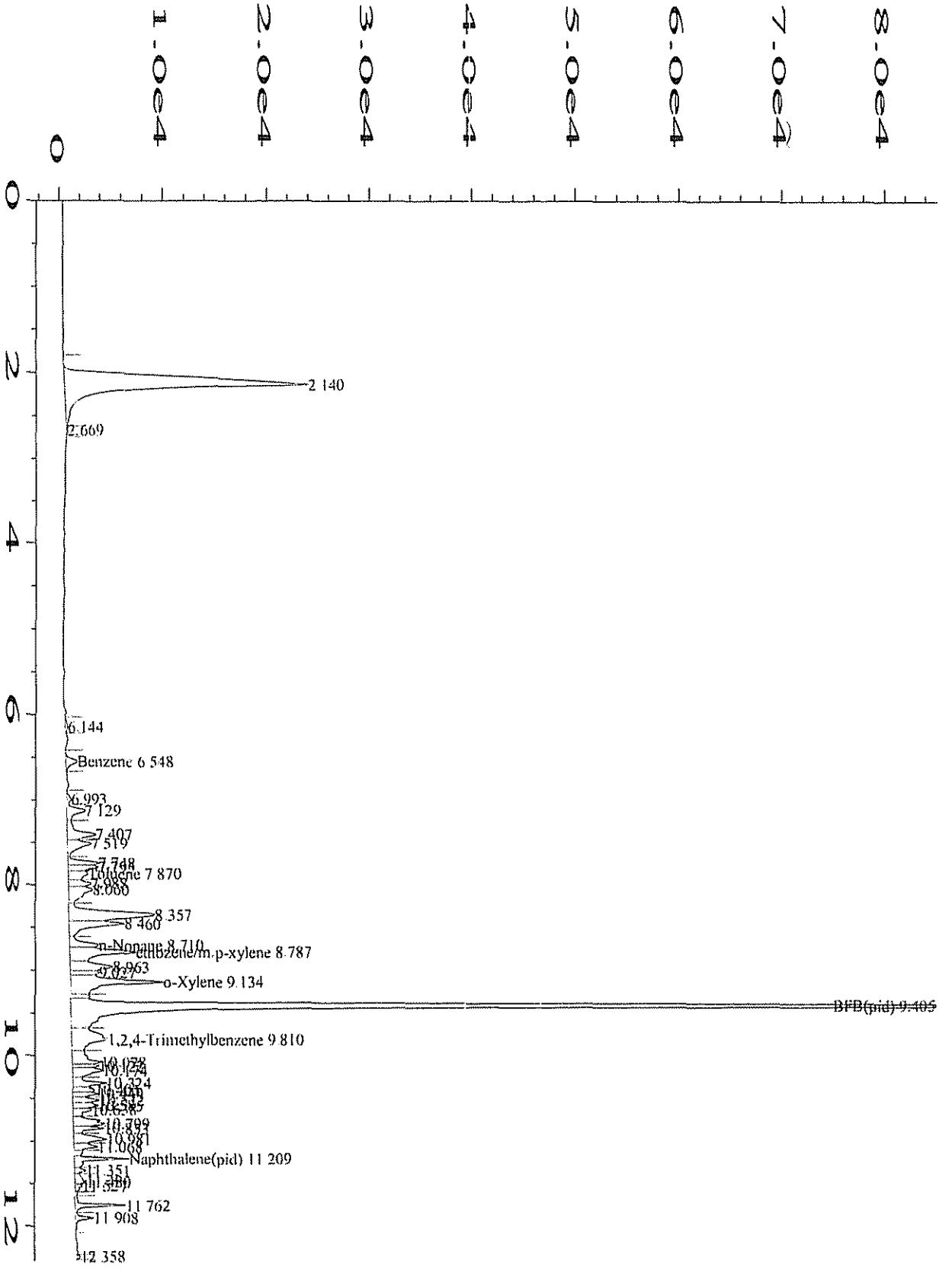
ata File Name : C:\HPCHEM\1\DATA\vp070505\039R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137285 x1
un Time Bar Code:
cquired on :)05 Jul 05 11:24 PM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 39
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

11.480	5588	VV	0.066	55.875	* uncalibrated *
11.527	2802	VV	0.049	28.019	* uncalibrated *
11.762	11794	VV	0.036	117.940	* uncalibrated *
11.908	5121	VV	0.041	51.209	* uncalibrated *
12.358	898	VBA	0.036	8.980	* uncalibrated *

ot all calibrated peaks were found

==========



Data File Name	: C:\HPCHEM\1\DATA\vp070505\039R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 39
Sample Name	: 137285 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 05 Jul 05 11:24 PM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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\vp070505\040F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-6A x1
Run Time Bar Code: 137289
Acquired on : 05 Jul 05 11:50 PM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 40
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\vp070505\040F0101.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	* not found *			1		2,2,4-Trimethylpentane
6.540	1558	BB	0.061	1	0.197	Benzene
8.048	1143	VV	0.043	1	0.121	Toluene
8.695	2955	PV	0.059	1	0.741	n-Nonane
8.855	2018	VV	0.052	1	0.197	EBenz, m-,p-Xylene
9.132	10297	VV	0.053	1	1.022	o-Xylene
9.403	92466	PV	0.029	1	356.179	BFB
9.772	3350	PV	0.055	1	0.357	1,2,4-Trimethylbenzene
11.056	1516	VV	0.045	1	0.358	Naphthalene
7.402	3736	BV	0.060		37.360	* uncalibrated *
7.514	2838	VB	0.069		28.384	* uncalibrated *
7.795	3631	BV	0.051		36.310	* uncalibrated *
8.383	11019	BV	0.065		110.191	* uncalibrated *
8.460	6442	VV	0.051		64.419	* uncalibrated *
8.788	4711	VV	0.055		47.115	* uncalibrated *
8.936	4319	VV	0.060		43.190	* uncalibrated *
9.023	2053	VV	0.048		20.526	* uncalibrated *
9.203	2112	VV	0.040		21.124	* uncalibrated *
9.510	1452	VB	0.036		14.522	* uncalibrated *
9.809	2359	VB	0.046		23.594	* uncalibrated *
10.002	1125	BV	0.037		11.255	* uncalibrated *
10.075	1709	VV	0.045		17.088	* uncalibrated *
10.164	1778	VV	0.054		17.782	* uncalibrated *
10.328	1698	PV	0.053		16.976	* uncalibrated *
10.402	1294	VV	0.047		12.936	* uncalibrated *
10.548	1522	VV	0.037		15.216	* uncalibrated *
10.591	1046	VV	0.035		10.463	* uncalibrated *
10.809	1048	VV	0.039		10.476	* uncalibrated *
10.979	1823	VV	0.058		18.234	* uncalibrated *
11.764	1299	VV	0.035		12.993	* 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\vp070505\040R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 40
Sample Name	: G161-2047-6A x1	Injection Number	: 1
Run Time Bar Code	: 137289	Sequence Line	: 1
Acquired on	: 05 Jul 05 11:50 PM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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\vp070505\040R0101.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
6.312	* not found *			1		2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.927	2281	VV	0.067	1	0.0559	Toluene
8.703	2544	PV	0.056	1	0.375	n-Nonane
8.845	2769	VV	0.056	1	0.0819	ethbzene/m,p-xylene
9.132	12091	VV	0.060	1	0.312	o-Xylene
9.405	453978	VV	0.033	1	30.555	BFB(pid)
9.767	5869	VV	0.059	1	0.191	1,2,4-Trimethylbenzene
11.211	1910	VV	0.034	1	0.109	Naphthalene(pid)
2.151	231518	BV	0.118		2315.182	* uncalibrated *
2.684	761	VB	0.087		7.613	* uncalibrated *
7.407	2496	BV	0.068		24.957	* uncalibrated *
7.520	1977	VB	0.070		19.771	* uncalibrated *
7.748	1054	BV	0.042		10.537	* uncalibrated *
7.798	1640	VV	0.047		16.402	* uncalibrated *
7.990	1174	VV	0.044		11.738	* uncalibrated *
8.055	2135	VV	0.058		21.346	* uncalibrated *
8.380	10815	VV	0.079		108.154	* uncalibrated *
8.461	6001	VV	0.056		60.006	* uncalibrated *
8.789	6172	VV	0.057		61.718	* uncalibrated *
8.955	5430	VV	0.076		54.303	* uncalibrated *
9.026	2916	VV	0.047		29.157	* uncalibrated *
9.202	3382	VV	0.064		33.817	* uncalibrated *
9.645	2384	VV	0.053		23.840	* uncalibrated *
9.810	6091	VV	0.061		60.915	* uncalibrated *
10.005	3065	VV	0.087		30.650	* uncalibrated *
10.077	3086	VV	0.049		30.858	* uncalibrated *
10.123	1158	VV	0.029		11.576	* uncalibrated *
10.167	3954	VV	0.063		39.537	* uncalibrated *
10.327	2826	VV	0.059		28.258	* uncalibrated *
10.411	1966	VV	0.045		19.662	* uncalibrated *
10.451	1457	VV	0.044		14.573	* uncalibrated *
10.552	2204	VV	0.056		22.043	* uncalibrated *
10.587	2076	VV	0.041		20.763	* uncalibrated *
10.809	3168	VV	0.062		31.684	* uncalibrated *
10.850	1252	VV	0.043		12.523	* uncalibrated *
10.977	3474	VV	0.063		34.739	* uncalibrated *
11.064	2079	VV	0.054		20.789	* uncalibrated *
11.764	3308	VV	0.043		33.076	* uncalibrated *
11.908	776	VV	0.032		7.762	* uncalibrated *

Not all calibrated peaks were found

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External Standard Report

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ata File Name : C:\HPCHEM\1\DATA\vp070505\040F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137289 x1
un Time Bar Code:
cquired on : 05 Jul 05 11:50 PM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 40
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070505\040F0101.D

et 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
6.540	1558	BB	0.061	1	0.197	Benzene
8.048	1143	VV	0.043	1	0.121	Toluene
8.695	2955	PV	0.059	1	0.741	n-Nonane
8.855	2018	VV	0.052	1	0.197	EBenz, m-,p-Xylene
9.132	10297	VV	0.053	1	1.022	o-Xylene
9.403	92466	PV	0.029	1	356.179	BFB
9.772	3350	PV	0.055	1	0.357	1,2,4-Trimethylbenzene
11.056	1516	VV	0.045	1	0.358	Naphthalene
7.402	3736	BV	0.060		37.360	* uncalibrated *
7.514	2838	VB	0.069		28.384	* uncalibrated *
7.795	3631	BV	0.051		36.310	* uncalibrated *
8.383	11019	BV	0.065		110.191	* uncalibrated *
8.460	6442	VV	0.051		64.419	* uncalibrated *
8.788	4711	VV	0.055		47.115	* uncalibrated *
8.936	4319	VV	0.060		43.190	* uncalibrated *
9.023	2053	VV	0.048		20.526	* uncalibrated *
9.203	2112	VV	0.040		21.124	* uncalibrated *
9.510	1452	VB	0.036		14.522	* uncalibrated *
9.809	2359	VB	0.046		23.594	* uncalibrated *
10.002	1125	BV	0.037		11.255	* uncalibrated *
10.075	1709	VV	0.045		17.088	* uncalibrated *
10.164	1778	VV	0.054		17.782	* uncalibrated *
10.328	1698	PV	0.053		16.976	* uncalibrated *
10.402	1294	VV	0.047		12.936	* uncalibrated *
10.548	1522	VV	0.037		15.216	* uncalibrated *
10.591	1046	VV	0.035		10.463	* uncalibrated *
10.809	1048	VV	0.039		10.476	* uncalibrated *
10.979	1823	VV	0.058		18.234	* uncalibrated *
11.764	1299	VV	0.035		12.993	* uncalibrated *

'alibration table contains at least one peak with amt = 0

'ot all calibrated peaks were found

ata File Name	: C:\HPCHEM\1\DATA\vp070505\040F0101.D		
perator	: DCS	Page Number	: 2
nstrument	: FID/PID	Vial Number	: 40
ample Name	: 137289 x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 05 Jul 05 11:50 PM	Instrument Method:	GAS1.MTH
eport Created on:	06 Jul 05 07:08 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

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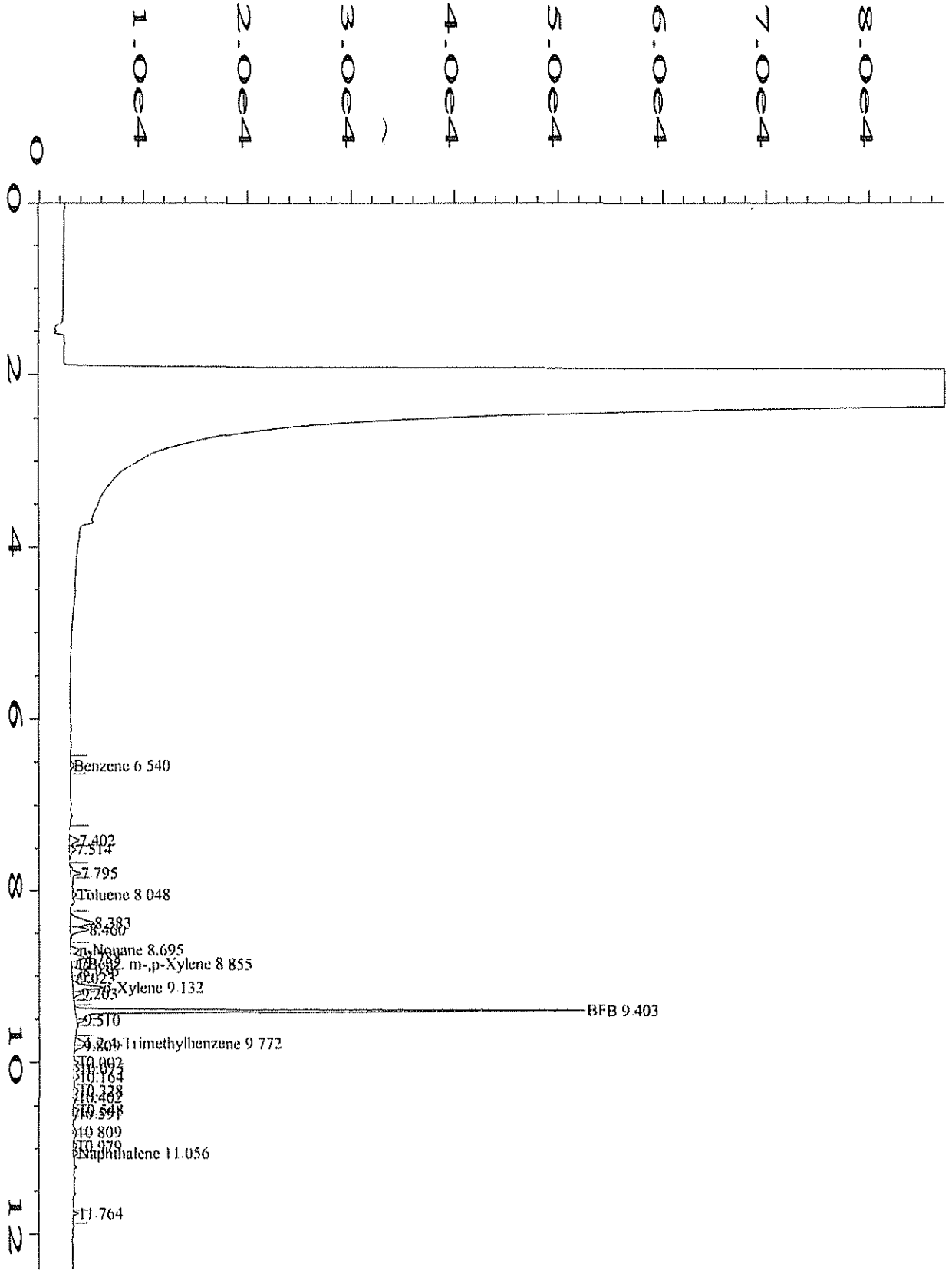

Data File Name	: C:\HPCHEM\1\DATA\vp070505\040F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 40
Sample Name	: 137289 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 05 Jul 05 11:50 PM	Instrument Method:	GAS1.MTH
Report Created on:	06 Jul 05 07:08 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

ata File Name : C:\HPCHEM\1\DATA\vp070505\040R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137289 x1
un Time Bar Code:
cquired on : 05 Jul 05 11:50 PM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 40
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\vp070505\040R0101.D

et 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
7.927	2281	VV	0.067	1	0.0559	Toluene
8.703	2544	PV	0.056	1	0.375	n-Nonane
8.845	2769	VV	0.056	1	0.0819	ethbzene/m,p-xylene
9.132	12091	VV	0.060	1	0.312	o-Xylene
9.405	453978	VV	0.033	1	30.555	BFB(pid)
9.767	5869	VV	0.059	1	0.191	1,2,4-Trimethylbenzene
11.211	1910	VV	0.034	1	0.109	Naphthalene(pid)
2.151	231518	BV	0.118		2315.182	* uncalibrated *
2.684	761	VB	0.087		7.613	* uncalibrated *
7.407	2496	BV	0.068		24.957	* uncalibrated *
7.520	1977	VB	0.070		19.771	* uncalibrated *
7.748	1054	BV	0.042		10.537	* uncalibrated *
7.798	1640	VV	0.047		16.402	* uncalibrated *
7.990	1174	VV	0.044		11.738	* uncalibrated *
8.055	2135	VV	0.058		21.346	* uncalibrated *
8.380	10815	VV	0.079		108.154	* uncalibrated *
8.461	6001	VV	0.056		60.006	* uncalibrated *
8.789	6172	VV	0.057		61.718	* uncalibrated *
8.955	5430	VV	0.076		54.303	* uncalibrated *
9.026	2916	VV	0.047		29.157	* uncalibrated *
9.202	3382	VV	0.064		33.817	* uncalibrated *
9.645	2384	VV	0.053		23.840	* uncalibrated *
9.810	6091	VV	0.061		60.915	* uncalibrated *
10.005	3065	VV	0.087		30.650	* uncalibrated *
10.077	3086	VV	0.049		30.858	* uncalibrated *
10.123	1158	VV	0.029		11.576	* uncalibrated *
10.167	3954	VV	0.063		39.537	* uncalibrated *
10.327	2826	VV	0.059		28.258	* uncalibrated *
10.411	1966	VV	0.045		19.662	* uncalibrated *
10.451	1457	VV	0.044		14.573	* uncalibrated *
10.552	2204	VV	0.056		22.043	* uncalibrated *
10.587	2076	VV	0.041		20.763	* uncalibrated *
10.809	3168	VV	0.062		31.684	* uncalibrated *
10.850	1252	VV	0.043		12.523	* uncalibrated *
10.977	3474	VV	0.063		34.739	* uncalibrated *
11.064	2079	VV	0.054		20.789	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070505\040R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137289 x1
un Time Bar Code:
cquired on : 05 Jul 05 11:50 PM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 40
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

11.764	3308 VV	0.043	33.076	* uncalibrated *
11.908	776 VV	0.032	7.762	* uncalibrated *

ot all calibrated peaks were found

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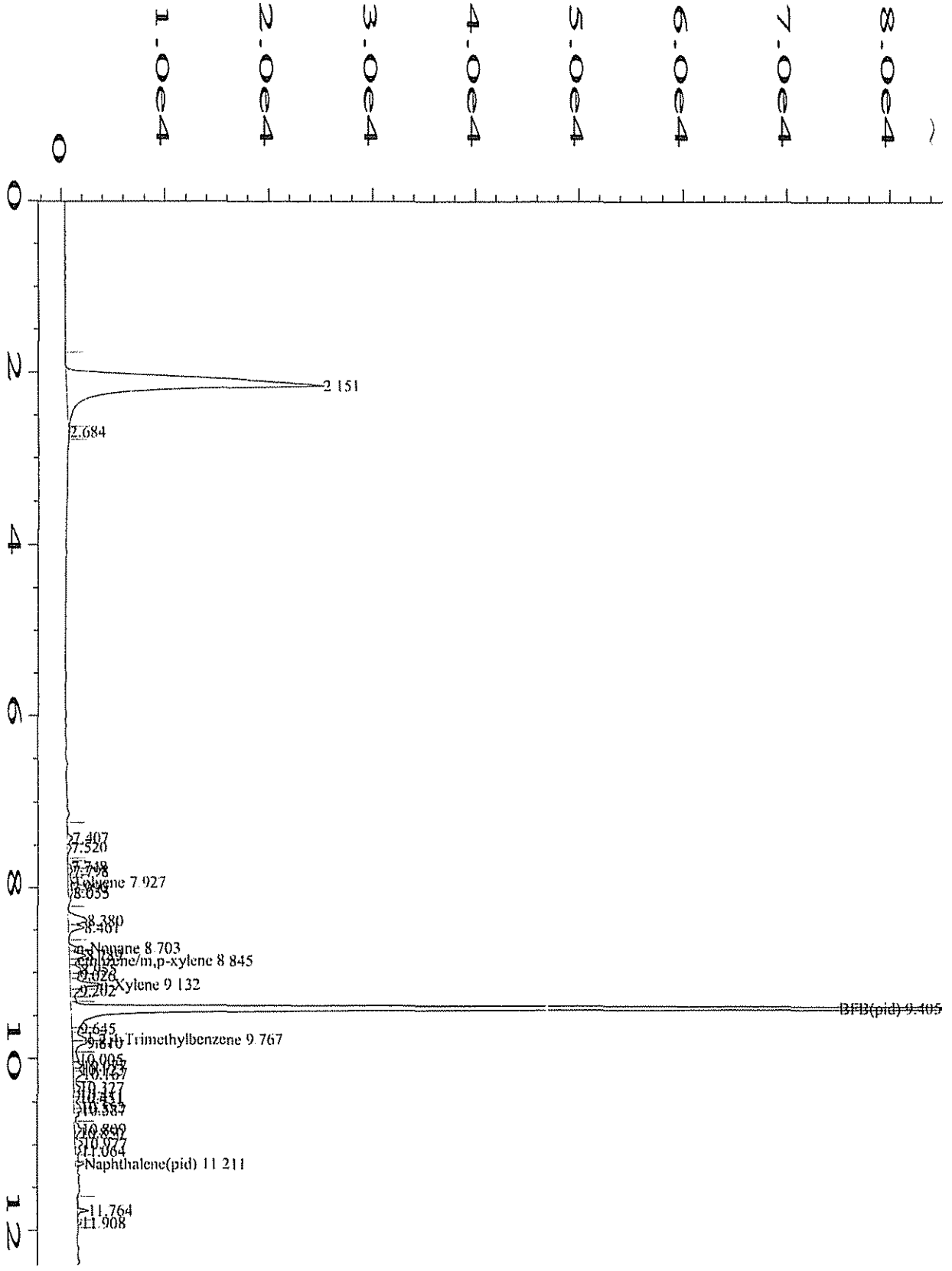

ata File Name	: C:\HPCHEM\1\DATA\vp070505\040R0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 40
ample Name	: 137289 x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 05 Jul 05 11:50 PM	Instrument Method	: GAS1.MTH
eport Created on	: 06 Jul 05 07:08 AM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name : C:\HPCHEM\1\DATA\vp070505\041F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-7D x1
Run Time Bar Code: 137298
Acquired on : 06 Jul 05 00:15 AM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 41
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\vp070505\041F0101.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	* not found *			1		2,2,4-Trimethylpentane
6.542	2261	BB	0.070	1	0.287	Benzene
7.927	1278	VV	0.056	1	0.136	Toluene
8.683	5959	PV	0.041	1	1.495	n-Nonane
8.845	3799	VV	0.044	1	0.371	EBenz, m-,p-Xylene
9.132	12068	VV	0.052	1	1.198	o-Xylene
9.403	104870	VV	0.030	1	403.959	BFB
9.769	9351	VV	0.065	1	0.995	1,2,4-Trimethylbenzene
11.210	1218	VV	0.034	1	0.287	Naphthalene
7.401	3898	VV	0.061		38.985	* uncalibrated *
7.516	3025	VB	0.069		30.246	* uncalibrated *
7.795	4412	BV	0.049		44.123	* uncalibrated *
8.049	1003	VV	0.043		10.027	* uncalibrated *
8.383	9147	BV	0.061		91.466	* uncalibrated *
8.460	5656	VV	0.050		56.557	* uncalibrated *
8.795	4366	VV	0.049		43.662	* uncalibrated *
8.932	4457	VV	0.055		44.572	* uncalibrated *
9.022	2431	VV	0.051		24.311	* uncalibrated *
9.204	3943	VV	0.048		39.433	* uncalibrated *
9.516	8920	VV	0.067		89.196	* uncalibrated *
9.817	4994	VV	0.057		49.937	* uncalibrated *
9.999	8740	VV	0.035		87.396	* uncalibrated *
10.077	5908	VV	0.061		59.076	* uncalibrated *
10.161	4300	VV	0.068		43.005	* uncalibrated *
10.337	6625	VV	0.061		66.250	* uncalibrated *
10.398	4485	VV	0.057		44.851	* uncalibrated *
10.547	8805	VV	0.035		88.050	* uncalibrated *
10.597	3727	VV	0.038		37.270	* uncalibrated *
10.644	2647	VV	0.054		26.471	* uncalibrated *
10.813	2155	VV	0.037		21.551	* uncalibrated *
10.860	4672	VV	0.063		46.715	* uncalibrated *
11.054	5761	VV	0.036		57.606	* uncalibrated *
11.400	1217	VV	0.038		12.170	* uncalibrated *
11.527	1883	VV	0.033		18.831	* uncalibrated *

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found

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External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp070505\041R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 41
Sample Name	: G161-2047-7D x1	Injection Number	: 1
Run Time Bar Code	: 137298	Sequence Line	: 1
Acquired on	: 06 Jul 05 00:15 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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\vp070505\041R0101.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
6.312	* not found *			1		2,2,4-Trimethylpentane
6.604	1913	BV	0.092	1	0.0240	Benzene
7.928	3039	VV	0.055	1	0.0745	Toluene
8.687	3620	PV	0.047	1	0.533	n-Nonane
8.844	5371	VV	0.041	1	0.159	ethbzene/m,p-xylene
9.132	11720	VV	0.056	1	0.303	o-Xylene
9.405	486443	VV	0.034	1	32.740	BFB(pid)
9.765	15033	VV	0.088	1	0.490	1,2,4-Trimethylbenzene
11.210	1850	VV	0.033	1	0.106	Naphthalene(pid)
2.147	220054	BV	0.113		2200.540	* uncalibrated *
2.663	292	VB	0.056		2.916	* uncalibrated *
7.403	2733	VV	0.070		27.333	* uncalibrated *
7.520	2311	VV	0.071		23.115	* uncalibrated *
7.798	3097	PV	0.067		30.974	* uncalibrated *
7.987	1023	VV	0.039		10.226	* uncalibrated *
8.056	1719	VV	0.056		17.185	* uncalibrated *
8.380	8401	VV	0.074		84.011	* uncalibrated *
8.461	5019	VV	0.056		50.195	* uncalibrated *
8.797	5233	VV	0.047		52.330	* uncalibrated *
8.937	4413	VV	0.064		44.131	* uncalibrated *
9.025	2538	VV	0.047		25.385	* uncalibrated *
9.204	3764	VV	0.054		37.643	* uncalibrated *
9.651	3535	VV	0.054		35.353	* uncalibrated *
10.001	7742	VV	0.046		77.419	* uncalibrated *
10.079	4885	VV	0.046		48.854	* uncalibrated *
10.117	2226	VV	0.032		22.259	* uncalibrated *
10.169	5220	VV	0.066		52.198	* uncalibrated *
10.336	6354	VV	0.065		63.541	* uncalibrated *
10.404	3347	VV	0.048		33.471	* uncalibrated *
10.449	1659	VV	0.033		16.594	* uncalibrated *
10.549	7260	VV	0.041		72.596	* uncalibrated *
10.594	3951	VV	0.038		39.511	* uncalibrated *
10.761	1563	VV	0.039		15.632	* uncalibrated *
10.813	2468	VV	0.039		24.683	* uncalibrated *
10.857	4012	VV	0.058		40.122	* uncalibrated *
10.967	3766	VV	0.065		37.662	* uncalibrated *
11.055	4555	VV	0.041		45.547	* uncalibrated *
11.400	1244	VV	0.040		12.437	* uncalibrated *
11.529	1433	VV	0.036		14.331	* uncalibrated *
11.764	1695	BV	0.042		16.955	* uncalibrated *

Not all calibrated peaks were found

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External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\041F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137298 x1
un Time Bar Code:
cquired on : 06 Jul 05 00:15 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 41
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070505\041F0101.D

et 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
6.542	2261	BB	0.070	1	0.287	Benzene
7.927	1278	VV	0.056	1	0.136	Toluene
8.683	5959	PV	0.041	1	1.495	n-Nonane
8.845	3799	VV	0.044	1	0.371	EBenz, m-,p-Xylene
9.132	12068	VV	0.052	1	1.198	o-Xylene
9.403	104870	VV	0.030	1	403.959	BFB
9.769	9351	VV	0.065	1	0.995	1,2,4-Trimethylbenzene
11.210	1218	VV	0.034	1	0.287	Naphthalene
7.401	3898	VV	0.061		38.985	* uncalibrated *
7.516	3025	VB	0.069		30.246	* uncalibrated *
7.795	4412	BV	0.049		44.123	* uncalibrated *
8.049	1003	VV	0.043		10.027	* uncalibrated *
8.383	9147	BV	0.061		91.466	* uncalibrated *
8.460	5656	VV	0.050		56.557	* uncalibrated *
8.795	4366	VV	0.049		43.662	* uncalibrated *
8.932	4457	VV	0.055		44.572	* uncalibrated *
9.022	2431	VV	0.051		24.311	* uncalibrated *
9.204	3943	VV	0.048		39.433	* uncalibrated *
9.516	8920	VV	0.067		89.196	* uncalibrated *
9.817	4994	VV	0.057		49.937	* uncalibrated *
9.999	8740	VV	0.035		87.396	* uncalibrated *
10.077	5908	VV	0.061		59.076	* uncalibrated *
10.161	4300	VV	0.068		43.005	* uncalibrated *
10.337	6625	VV	0.061		66.250	* uncalibrated *
10.398	4485	VV	0.057		44.851	* uncalibrated *
10.547	8805	VV	0.035		88.050	* uncalibrated *
10.597	3727	VV	0.038		37.270	* uncalibrated *
10.644	2647	VV	0.054		26.471	* uncalibrated *
10.813	2155	VV	0.037		21.551	* uncalibrated *
10.860	4672	VV	0.063		46.715	* uncalibrated *
11.054	5761	VV	0.036		57.606	* uncalibrated *
11.400	1217	VV	0.038		12.170	* uncalibrated *
11.527	1883	VV	0.033		18.831	* uncalibrated *

Calibration table contains at least one peak with amt = 0

ata File Name	: C:\HPCHEM\1\DATA\vp070505\041F0101.D		
perator	: DCS	Page Number	: 2
nstrument	: FID/PID	Vial Number	: 41
ample Name	: 137298 x1	Injection Number	: 1
un Time Bar Code	:	Sequence Line	: 1
cquired on	: 06 Jul 05 00:15 AM	Instrument Method	: GAS1.MTH
eport Created on	: 06 Jul 05 07:08 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

ot all calibrated peaks were found

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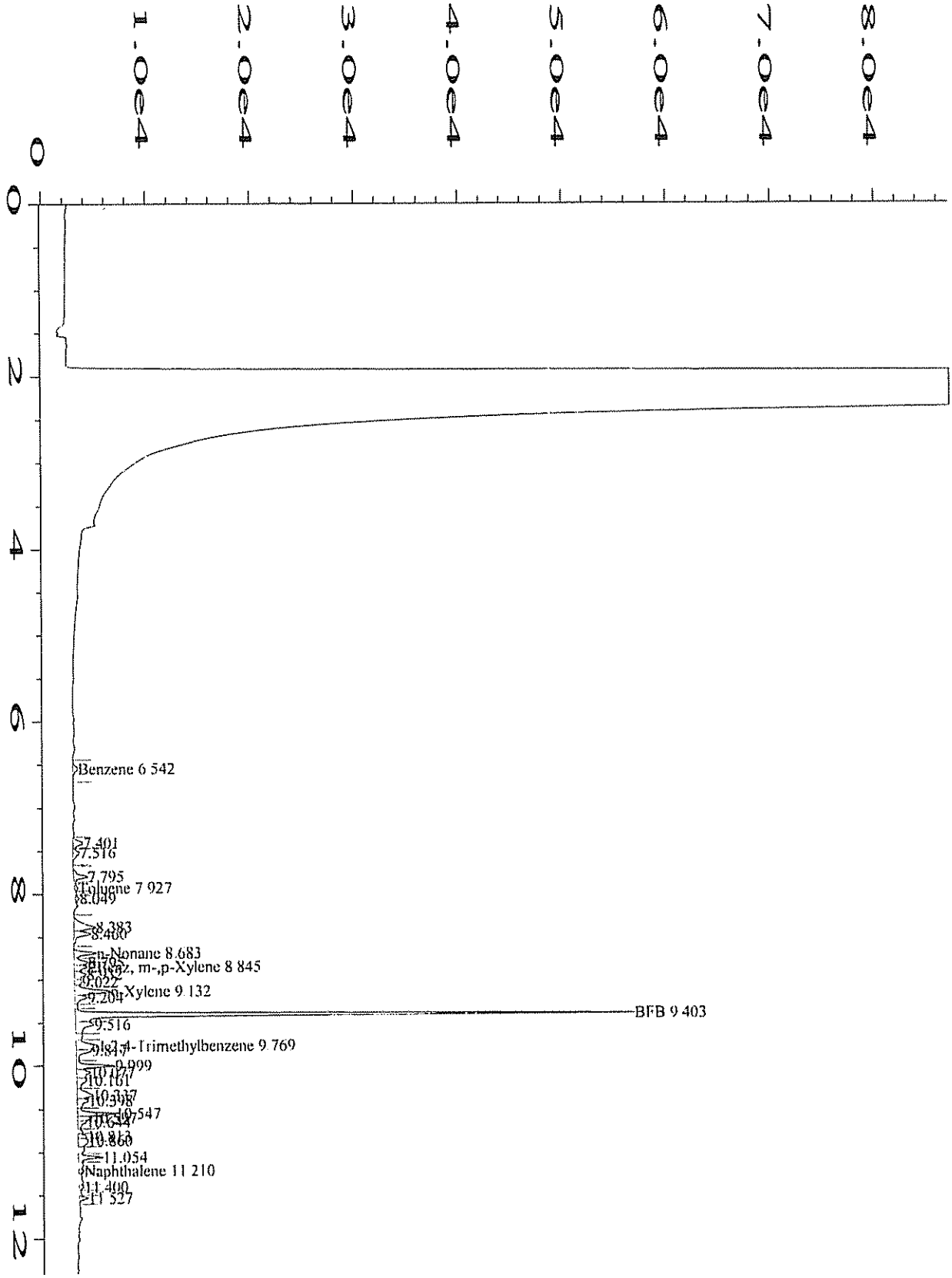

Data File Name	: C:\HPCHEM\1\DATA\vp070505\041F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 41
Sample Name	: 137298 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 06 Jul 05 00:15 AM	Instrument Method:	GAS1.MTH
Report Created on:	06 Jul 05 07:08 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

ata File Name	: C:\HPCHEM\1\DATA\vp070505\041R0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 41
ample Name	: 137298 x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 06 Jul 05 00:15 AM	Instrument Method:	GAS1.MTH
eport Created on:	06 Jul 05 07:08 AM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

ig. 2 in C:\HPCHEM\1\DATA\vp070505\041R0101.D

et 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
6.604	1913	BV	0.092	1	0.0240	Benzene
7.928	3039	VV	0.055	1	0.0745	Toluene
8.687	3620	PV	0.047	1	0.533	n-Nonane
8.844	5371	VV	0.041	1	0.159	ethbzene/m,p-xylene
9.132	11720	VV	0.056	1	0.303	o-Xylene
9.405	486443	VV	0.034	1	32.740	BFB(pid)
9.765	15033	VV	0.088	1	0.490	1,2,4-Trimethylbenzene
11.210	1850	VV	0.033	1	0.106	Naphthalene(pid)
2.147	220054	BV	0.113		2200.540	* uncalibrated *
2.663	292	VB	0.056		2.916	* uncalibrated *
7.403	2733	VV	0.070		27.333	* uncalibrated *
7.520	2311	VV	0.071		23.115	* uncalibrated *
7.798	3097	PV	0.067		30.974	* uncalibrated *
7.987	1023	VV	0.039		10.226	* uncalibrated *
8.056	1719	VV	0.056		17.185	* uncalibrated *
8.380	8401	VV	0.074		84.011	* uncalibrated *
8.461	5019	VV	0.056		50.195	* uncalibrated *
8.797	5233	VV	0.047		52.330	* uncalibrated *
8.937	4413	VV	0.064		44.131	* uncalibrated *
9.025	2538	VV	0.047		25.385	* uncalibrated *
9.204	3764	VV	0.054		37.643	* uncalibrated *
9.651	3535	VV	0.054		35.353	* uncalibrated *
10.001	7742	VV	0.046		77.419	* uncalibrated *
10.079	4885	VV	0.046		48.854	* uncalibrated *
10.117	2226	VV	0.032		22.259	* uncalibrated *
10.169	5220	VV	0.066		52.198	* uncalibrated *
10.336	6354	VV	0.065		63.541	* uncalibrated *
10.404	3347	VV	0.048		33.471	* uncalibrated *
10.449	1659	VV	0.033		16.594	* uncalibrated *
10.549	7260	VV	0.041		72.596	* uncalibrated *
10.594	3951	VV	0.038		39.511	* uncalibrated *
10.761	1563	VV	0.039		15.632	* uncalibrated *
10.813	2468	VV	0.039		24.683	* uncalibrated *
10.857	4012	VV	0.058		40.122	* uncalibrated *
10.967	3766	VV	0.065		37.662	* uncalibrated *
11.055	4555	VV	0.041		45.547	* uncalibrated *
11.400	1244	VV	0.040		12.437	* uncalibrated *

```
ata File Name    : C:\HPCHEM\1\DATA\vp070505\041R0101.D
perator          : DCS                          Page Number       : 2
nstrument        : FID/PID                      Vial Number       : 41
ample Name       : 137298 x1                    Injection Number  : 1
un Time Bar Code:                               Sequence Line     : 1
cquired on       : 06 Jul 05  00:15 AM          Instrument Method: GAS1.MTH
eport Created on: 06 Jul 05  07:08 AM           Analysis Method   : vph_pid.MTH
ast Recalib on   : 24 AUG 04 09:09 AM           Sample Amount     : 0
ultiplier        : 1                            ISTD Amount       :

 11.529          1433 VV   0.036          14.331 * uncalibrated *
 11.764          1695 BV   0.042          16.955 * uncalibrated *


ot all calibrated peaks were found


==========================================================================
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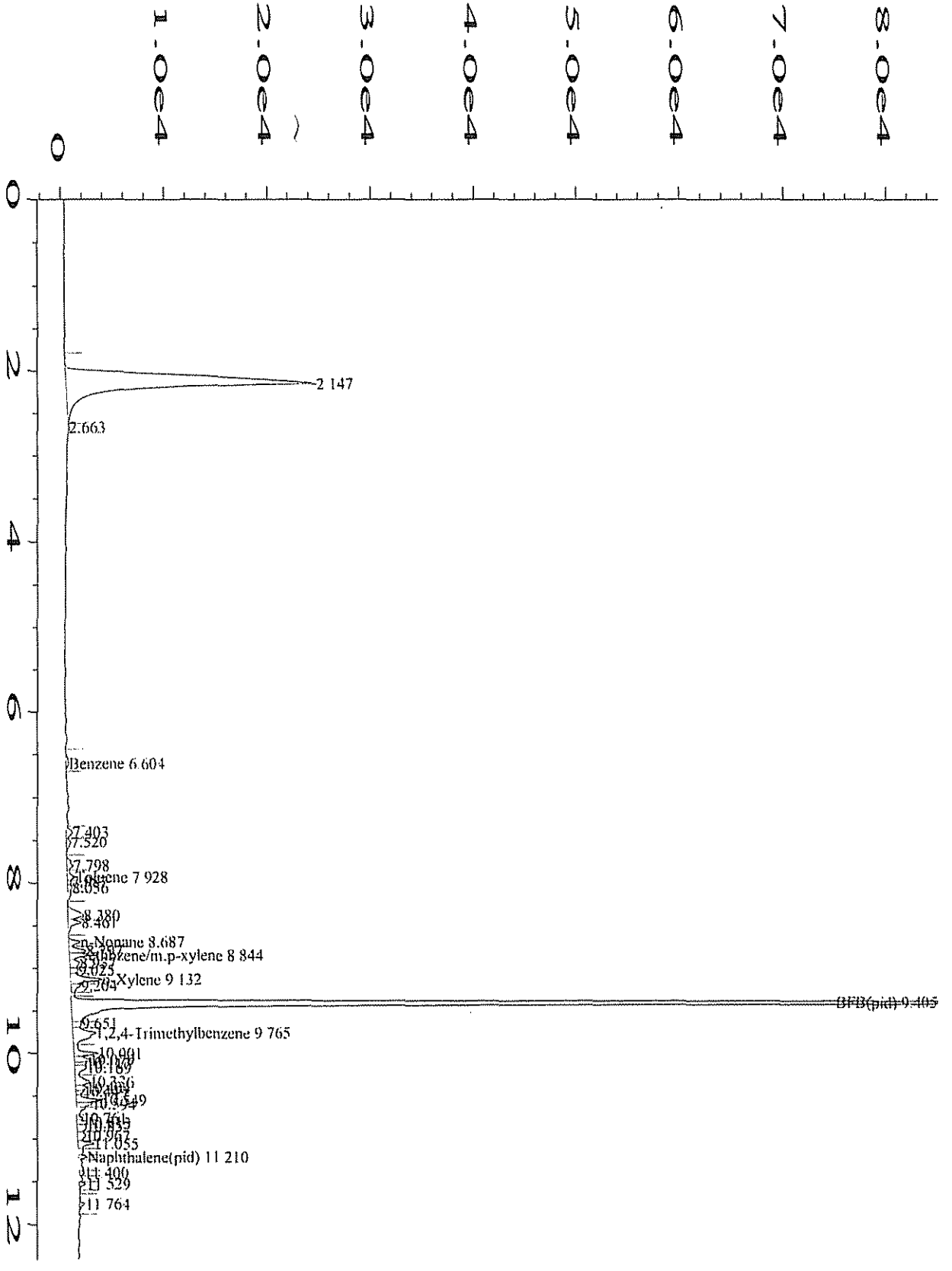


Data File Name	: C:\HPCHEM\1\DATA\vp070505\041R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 41
Sample Name	: 137298 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 06 Jul 05 00:15 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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\vp070505\042F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-8D x1
Run Time Bar Code: 137304
Acquired on : 06 Jul 05 00:40 AM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 42
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\vp070505\042F0101.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	* not found *			1		2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.795	1026	BV	0.047	1	0.109	Toluene
8.686	1968	BV	0.048	1	0.494	n-Nonane
8.846	1719	VV	0.046	1	0.168	EBenz, m-,p-Xylene
9.133	5281	VV	0.055	1	0.524	o-Xylene
9.403	94130	PV	0.029	1	362.587	BFB
9.767	3704	BV	0.072	1	0.394	1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene
8.383	3748	BV	0.060		37.481	* uncalibrated *
8.460	2530	VB	0.053		25.304	* uncalibrated *
8.794	1553	VV	0.047		15.530	* uncalibrated *
8.932	2015	VV	0.056		20.155	* uncalibrated *
9.205	1238	VV	0.041		12.382	* uncalibrated *
9.517	1926	VV	0.048		19.262	* uncalibrated *
10.001	1341	PV	0.035		13.409	* uncalibrated *
10.076	1441	VV	0.055		14.409	* uncalibrated *
10.330	1363	VV	0.058		13.631	* 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\vp070505\042R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 42
Sample Name	: G161-2047-8D x1	Injection Number	: 1
Run Time Bar Code	: 137304	Sequence Line	: 1
Acquired on	: 06 Jul 05 00:40 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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\vp070505\042R0101.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
6.312	* not found *			1		2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.928	1417	VV	0.045	1	0.0347	Toluene
8.692	1261	BV	0.058	1	0.186	n-Nonane
8.845	2477	VV	0.043	1	0.0732	ethbzene/m,p-xylene
9.031	1359	VV	0.048	1	0.0351	o-Xylene
9.405	457180	VV	0.033	1	30.770	BFB(pid)
9.764	3652	VV	0.052	1	0.119	1,2,4-Trimethylbenzene
11.210	593	VV	0.028	1	0.0339	Naphthalene(pid)
2.143	216566	BV	0.111		2165.661	* uncalibrated *
2.673	641	VB	0.082		6.409	* uncalibrated *
8.381	3248	BV	0.071		32.478	* uncalibrated *
8.461	2148	VB	0.059		21.482	* uncalibrated *
8.796	1831	VV	0.048		18.307	* uncalibrated *
8.938	1906	VV	0.058		19.060	* uncalibrated *
9.132	5868	VV	0.065		58.678	* uncalibrated *
9.647	1346	VV	0.057		13.462	* uncalibrated *
9.809	2414	VV	0.050		24.145	* uncalibrated *
10.003	2208	VV	0.065		22.079	* uncalibrated *
10.078	2047	VV	0.058		20.471	* uncalibrated *
10.328	1144	VV	0.053		11.437	* uncalibrated *
10.551	395	PV	0.028		3.948	* uncalibrated *
10.816	612	VV	0.037		6.123	* uncalibrated *
11.056	688	VV	0.039		6.885	* uncalibrated *
11.529	587	VV	0.036		5.870	* uncalibrated *
11.765	1387	PV	0.056		13.868	* uncalibrated *

Not all calibrated peaks were found

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\042F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137304 x1
un Time Bar Code:
cquired on : 06 Jul 05 00:40 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

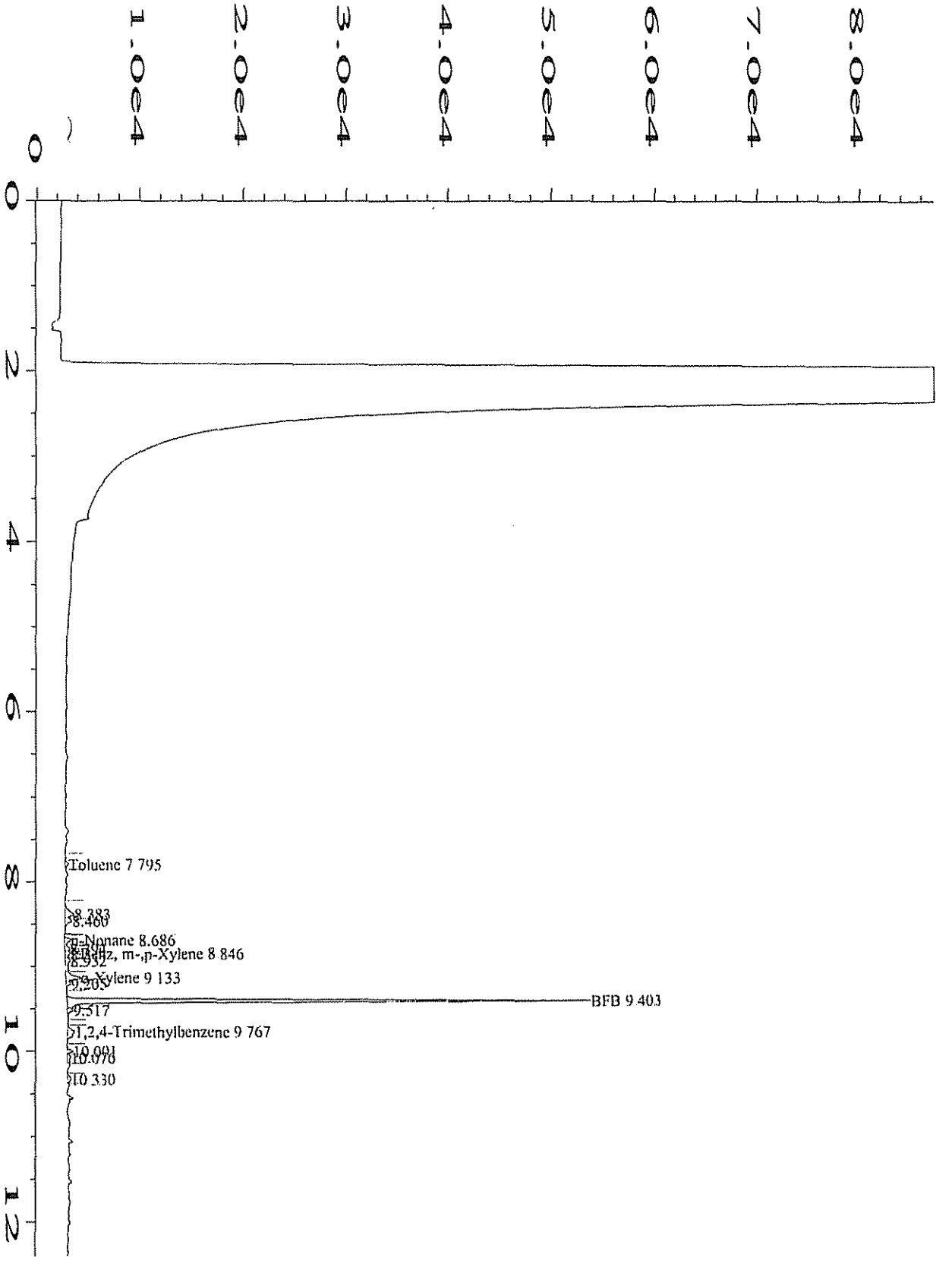
Page Number : 1
Vial Number : 42
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070505\042F0101.D

et 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
7.795	1026	BV	0.047	1	0.109	Toluene
8.686	1968	BV	0.048	1	0.494	n-Nonane
8.846	1719	VV	0.046	1	0.168	EBenz, m-,p-Xylene
9.133	5281	VV	0.055	1	0.524	o-Xylene
9.403	94130	PV	0.029	1	362.587	BFB
9.767	3704	BV	0.072	1	0.394	1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene
8.383	3748	BV	0.060		37.481	* uncalibrated *
8.460	2530	VB	0.053		25.304	* uncalibrated *
8.794	1553	VV	0.047		15.530	* uncalibrated *
8.932	2015	VV	0.056		20.155	* uncalibrated *
9.205	1238	VV	0.041		12.382	* uncalibrated *
9.517	1926	VV	0.048		19.262	* uncalibrated *
10.001	1341	PV	0.035		13.409	* uncalibrated *
10.076	1441	VV	0.055		14.409	* uncalibrated *
10.330	1363	VV	0.058		13.631	* uncalibrated *

:alibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp070505\042F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 42
Sample Name	: 137304 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 06 Jul 05 00:40 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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

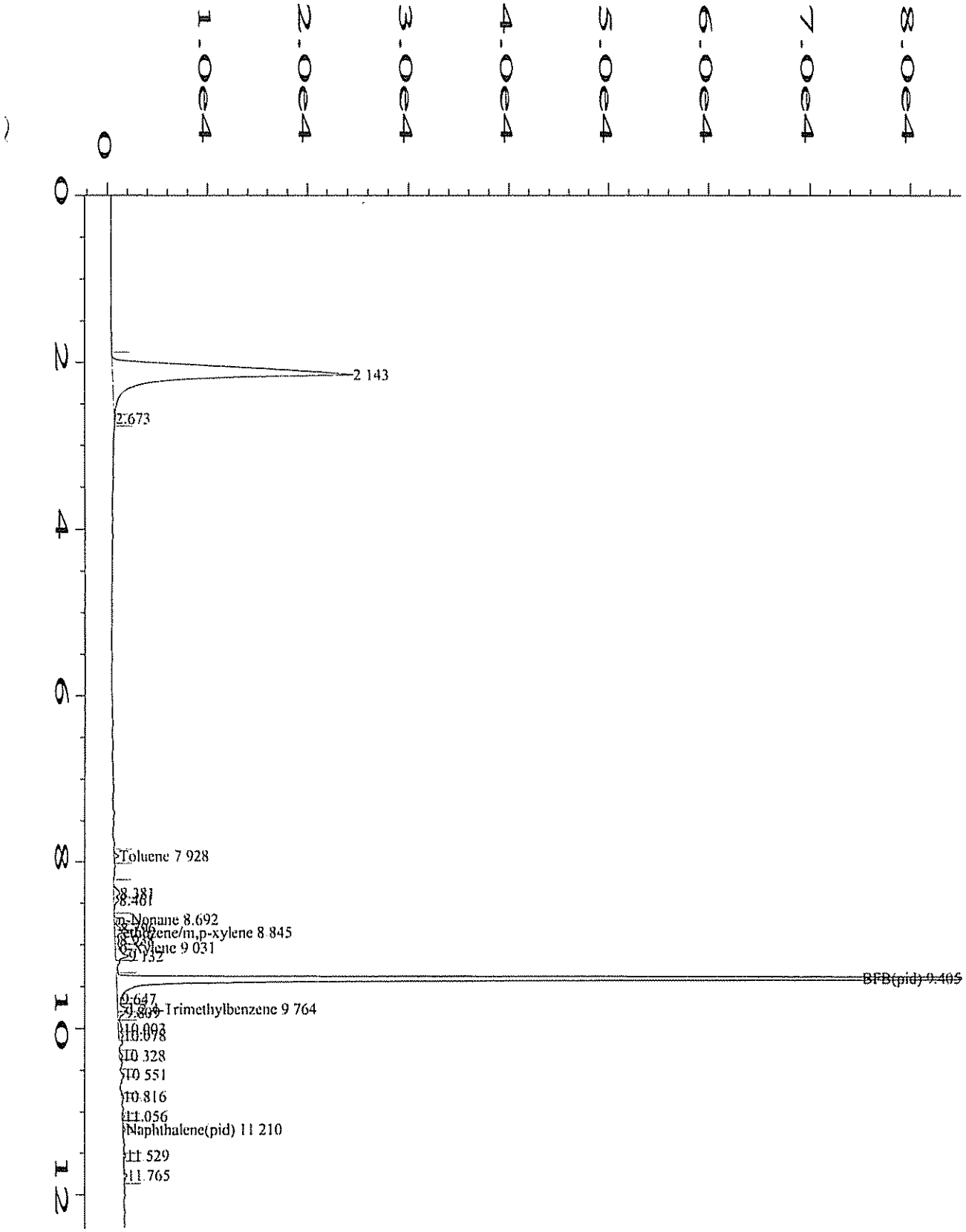
ata File Name : C:\HPCHEM\1\DATA\vp070505\042R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137304 x1
un Time Bar Code:
cquired on : 06 Jul 05 00:40 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number) : 1
Vial Number : 42
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\vp070505\042R0101.D

et 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
7.928	1417	VV	0.045	1	0.0347	Toluene
8.692	1261	BV	0.058	1	0.186	n-Nonane
8.845	2477	VV	0.043	1	0.0732	ethbzene/m,p-xylene
9.031	1359	VV	0.048	1	0.0351	o-Xylene
9.405	457180	VV	0.033	1	30.770	BFB(pid)
9.764	3652	VV	0.052	1	0.119	1,2,4-Trimethylbenzene
11.210	593	VV	0.028	1	0.0339	Naphthalene(pid)
2.143	216566	BV	0.111		2165.661	* uncalibrated *
2.673	641	VB	0.082		6.409	* uncalibrated *
8.381	3248	BV	0.071		32.478	* uncalibrated *
8.461	2148	VB	0.059		21.482	* uncalibrated *
8.796	1831	VV	0.048		18.307	* uncalibrated *
8.938	1906	VV	0.058		19.060	* uncalibrated *
9.132	5868	VV	0.065		58.678	* uncalibrated *
9.647	1346	VV	0.057		13.462	* uncalibrated *
9.809	2414	VV	0.050		24.145	* uncalibrated *
10.003	2208	VV	0.065		22.079	* uncalibrated *
10.078	2047	VV	0.058		20.471	* uncalibrated *
10.328	1144	VV	0.053		11.437	* uncalibrated *
10.551	395	PV	0.028		3.948	* uncalibrated *
10.816	612	VV	0.037		6.123	* uncalibrated *
11.056	688	VV	0.039		6.885	* uncalibrated *
11.529	587	VV	0.036		5.870	* uncalibrated *
11.765	1387	PV	0.056		13.868	* uncalibrated *

ot all calibrated peaks were found



ata File Name	: C:\HPCHEM\1\DATA\vp070505\042R0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 42
ample Name	: 137304 x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 06 Jul 05 00:40 AM	Instrument Method	: GAS1.MTH
eport Created on	: 06 Jul 05 07:08 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

Data File Name : C:\HPCHEM\1\DATA\vp070505\043F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-9B x1
Run Time Bar Code: 137308
Acquired on : 06 Jul 05 01:05 AM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 43
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\vp070505\043F0101.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	* not found *			1		2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.926	* not found *			1		Toluene
8.686	1115	BV	0.045	1	0.280	n-Nonane
8.847	1309	VV	0.045	1	0.128	EBenz, m-,p-Xylene
9.133	3707	VV	0.054	1	0.368	o-Xylene
9.403	92937	PV	0.029	1	357.991	BFB
9.767	3042	BB	0.076	1	0.324	1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene
8.384	2283	BV	0.059		22.828	* uncalibrated *
8.461	1418	VB	0.049		14.181	* uncalibrated *
8.933	1282	VV	0.051		12.816	* uncalibrated *
9.518	1516	VV	0.047		15.160	* uncalibrated *
10.332	1093	BV	0.058		10.935	* 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\vp070505\043R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 43
Sample Name	: G161-2047-9B x1	Injection Number	: 1
Run Time Bar Code	: 137308	Sequence Line	: 1
Acquired on	: 06 Jul 05 01:05 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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\vp070505\043R0101.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
6.312	* not found *			1		2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.928	1635	BV	0.041	1	0.0401	Toluene
8.686	* not found *			1		n-Nonane
8.846	1750	VV	0.042	1	0.0517	ethbzene/m,p-xylene
9.133	4100	VV	0.071	1	0.106	o-Xylene
9.406	448569	PV	0.033	1	30.191	BFB(pid)
9.765	1758	VV	0.047	1	0.0573	1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene(pid)
2.136	201098	BV	0.107		2010.985	* uncalibrated *
2.664	823	VB	0.095		8.231	* uncalibrated *
8.382	1718	BV	0.070		17.175	* uncalibrated *
8.464	937	VB	0.050		9.372	* uncalibrated *
8.799	1017	VV	0.041		10.169	* uncalibrated *
9.810	853	VV	0.040		8.527	* uncalibrated *
10.005	750	BV	0.042		7.501	* uncalibrated *
10.079	895	VV	0.042		8.949	* uncalibrated *
10.329	908	PV	0.051		9.077	* uncalibrated *
10.552	288	PV	0.027		2.884	* uncalibrated *

Not all calibrated peaks were found

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\043F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137308 x1
un Time Bar Code:
cquired on : 06 Jul 05 01:05 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

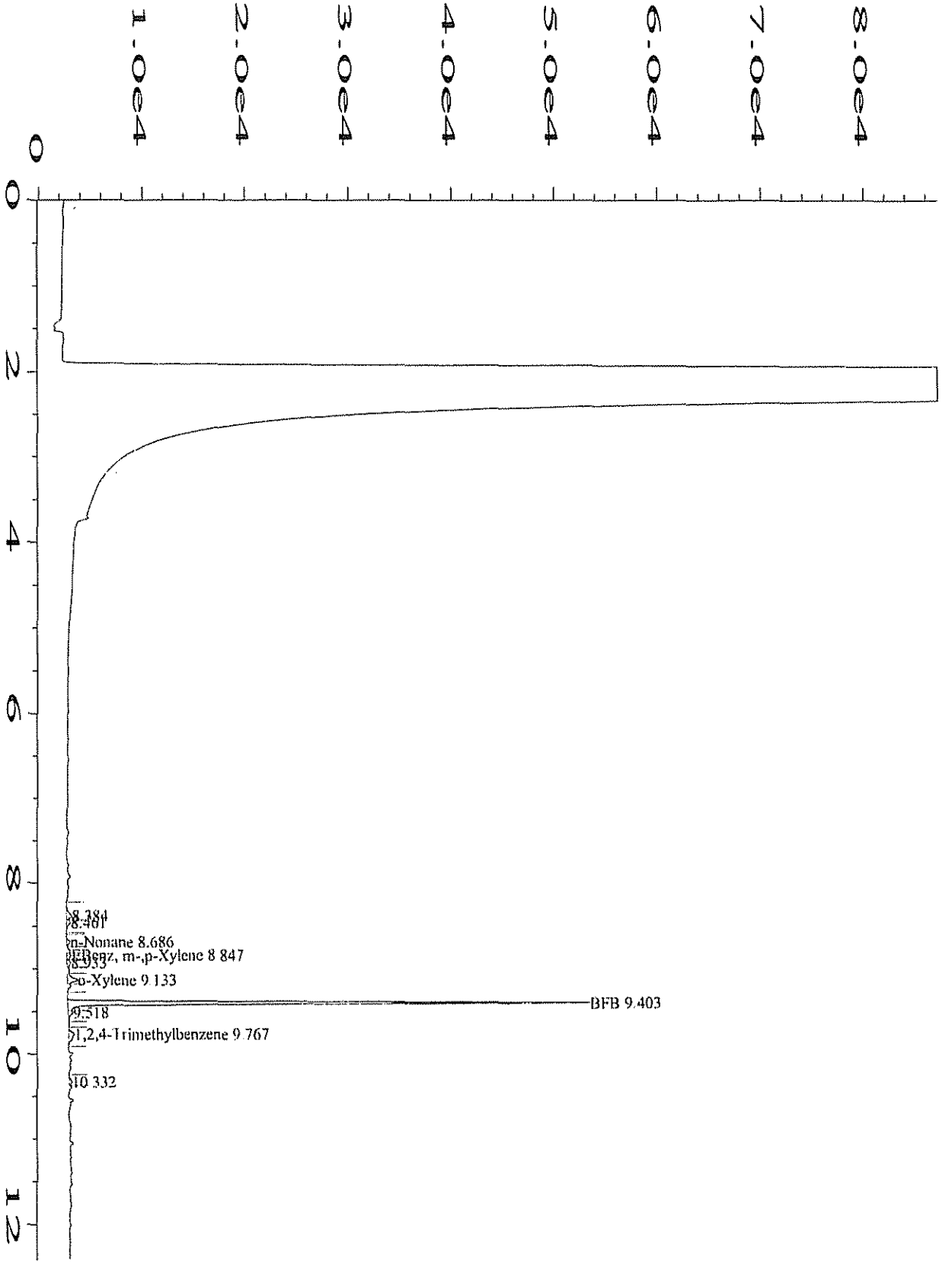
Page Number : 1
Vial Number : 43
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070505\043F0101.D

et 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
8.686	1115	BV	0.045	1	0.280	n-Nonane
8.847	1309	VV	0.045	1	0.128	EBenz, m-,p-Xylene
9.133	3707	VV	0.054	1	0.368	o-Xylene
9.403	92937	PV	0.029	1	357.991	BFB
9.767	3042	BB	0.076	1	0.324	1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene
8.384	2283	BV	0.059		22.828	* uncalibrated *
8.461	1418	VB	0.049		14.181	* uncalibrated *
8.933	1282	VV	0.051		12.816	* uncalibrated *
9.518	1516	VV	0.047		15.160	* uncalibrated *
10.332	1093	BV	0.058		10.935	* uncalibrated *

:alibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp070505\043F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 43
Sample Name	: 137308 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 06 Jul 05 01:05 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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

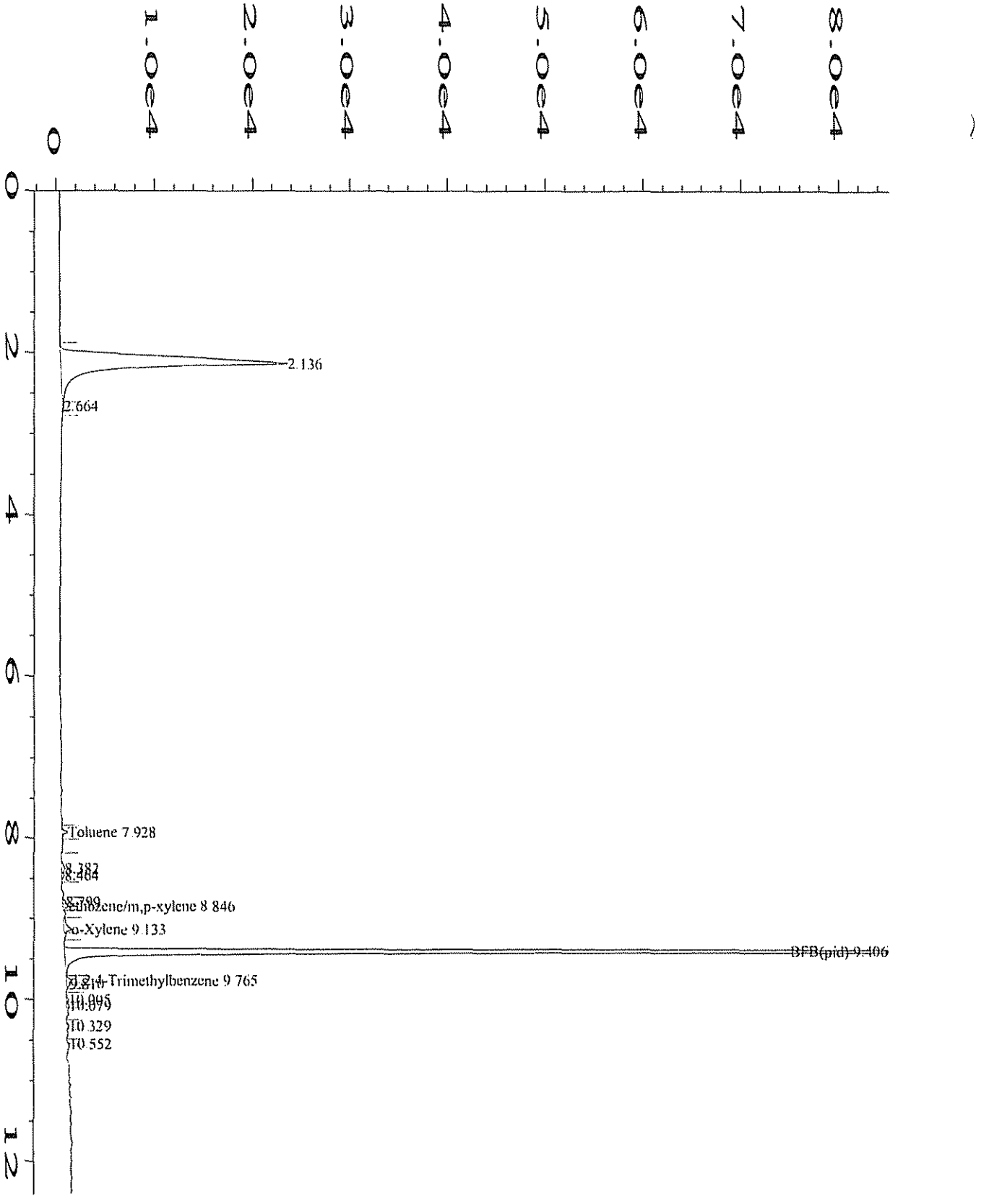
ata File Name : C:\HPCHEM\1\DATA\vp070505\043R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137308 x1
un Time Bar Code:
cquired on : 06 Jul 05 01:05 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 43
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\vp070505\043R0101.D

et 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
7.928	1635	BV	0.041	1	0.0401	Toluene
8.686	* not found *			1		n-Nonane
8.846	1750	VV	0.042	1	0.0517	ethbzene/m,p-xylene
9.133	4100	VV	0.071	1	0.106	o-Xylene
9.406	448569	PV	0.033	1	30.191	BFB(pid)
9.765	1758	VV	0.047	1	0.0573	1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene(pid)
2.136	201098	BV	0.107		2010.985	* uncalibrated *
2.664	823	VB	0.095		8.231	* uncalibrated *
8.382	1718	BV	0.070		17.175	* uncalibrated *
8.464	937	VB	0.050		9.372	* uncalibrated *
8.799	1017	VV	0.041		10.169	* uncalibrated *
9.810	853	VV	0.040		8.527	* uncalibrated *
10.005	750	BV	0.042		7.501	* uncalibrated *
10.079	895	VV	0.042		8.949	* uncalibrated *
10.329	908	PV	0.051		9.077	* uncalibrated *
10.552	288	PV	0.027		2.884	* uncalibrated *

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp070505\043R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 43
Sample Name	: 137308 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 06 Jul 05 01:05 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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\vp070505\044F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-10E x1
Run Time Bar Code: 137326
Acquired on : 06 Jul 05 01:30 AM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 44
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\vp070505\044F0101.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	* not found *			1		2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.926	* not found *			1		Toluene
8.684	* not found *			1		n-Nonane
8.848	* not found *			1		EBenz, m-,p-Xylene
9.134	2756	VV	0.052	1	0.274	o-Xylene
9.403	91702	PV	0.028	1	353.235	BFB
9.761	* not found *			1		1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene
9.518	1374	VV	0.052		13.736	* 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\vp070505\044R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-10E x1
Run Time Bar Code: 137326
Acquired on : 06 Jul 05 01:30 AM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 44
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\vp070505\044R0101.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
6.312	* not found *			1		2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.927	1368	BB	0.057	1	0.0335	Toluene
8.686	* not found *			1		n-Nonane
8.847	932	VV	0.040	1	0.0276	ethbzene/m,p-xylene
9.133	2024	VV	0.058	1	0.0523	o-Xylene
9.405	448247	BV	0.033	1	30.169	BFB(pid)
9.766	1726	VV	0.048	1	0.0562	1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene(pid)
2.149	225437	BV	0.113		2254.370	* uncalibrated *
2.678	658	VB	0.091		6.576	* uncalibrated *
8.385	829	BV	0.068		8.288	* uncalibrated *
8.798	517	VV	0.037		5.174	* uncalibrated *
9.811	1076	VB	0.050		10.764	* uncalibrated *
10.819	906	BV	0.060		9.060	* uncalibrated *

Not all calibrated peaks were found

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\044F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137326 x1
un Time Bar Code:
cquired on : 06 Jul 05 01:30 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

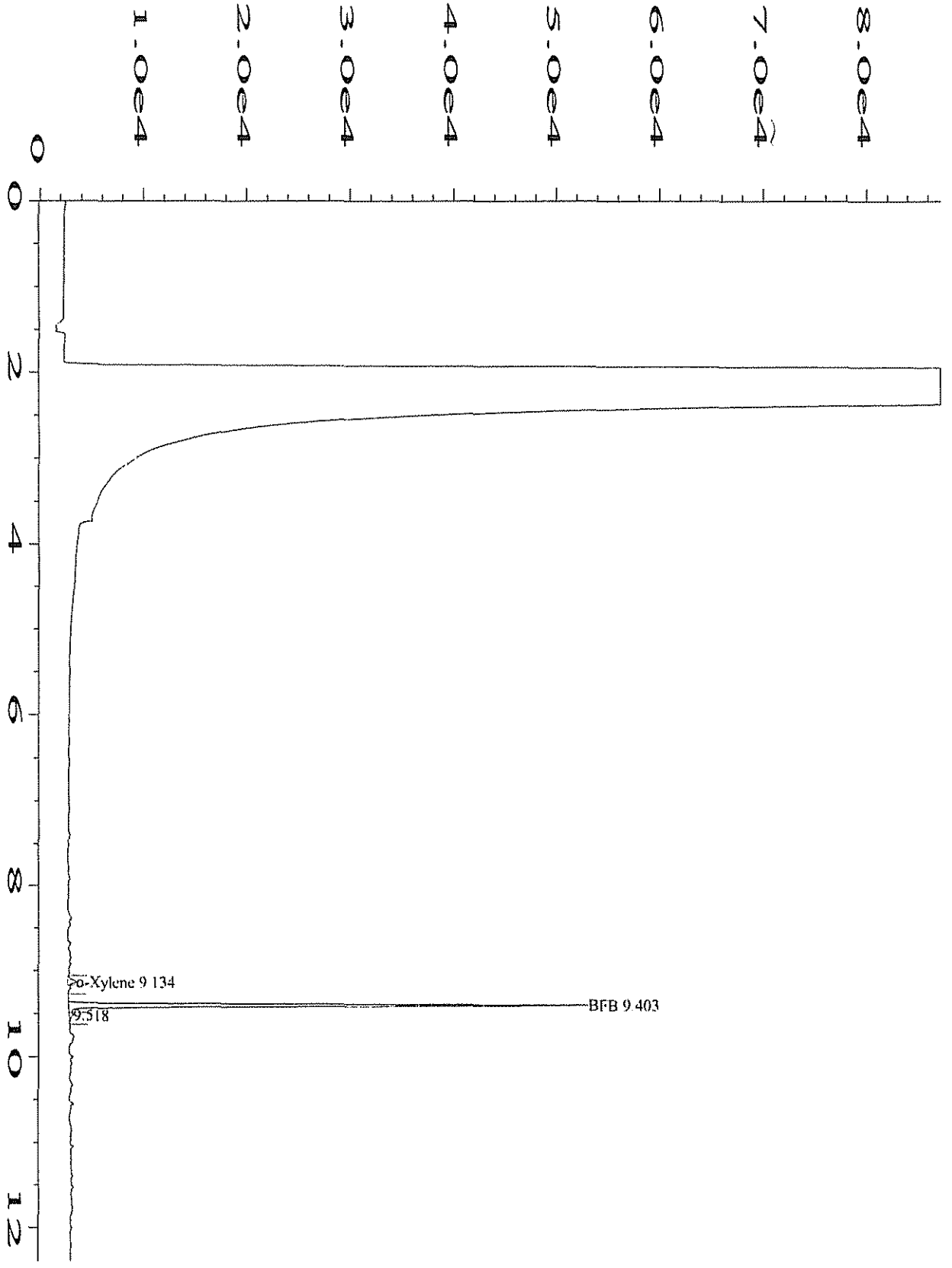
Page Number : 1
Vial Number : 44
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070505\044F0101.D

et 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
8.684	* not found *			1		n-Nonane
8.848	* not found *			1		EBenz, m-,p-Xylene
9.134	2756	VV	0.052	1	0.274	o-Xylene
9.403	91702	PV	0.028	1	353.235	BFB
9.761	* not found *			1		1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene
9.518	1374	VV	0.052		13.736	* uncalibrated *

:alibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp070505\044F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 44
Sample Name	: 137326 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 06 Jul 05 01:30 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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

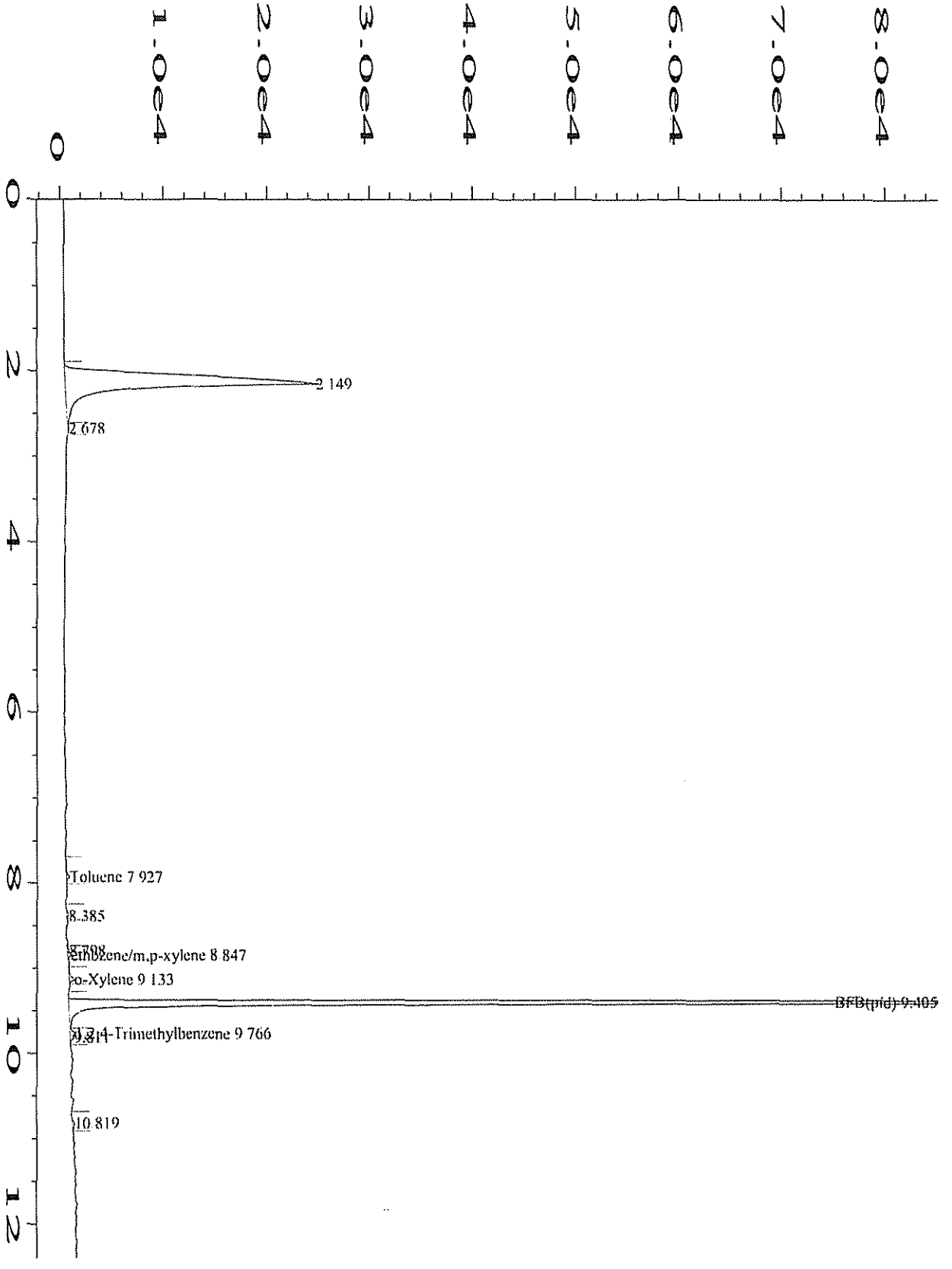
ata File Name : C:\HPCHEM\1\DATA\vp070505\044R0101.D
perator) : DCS
nstrument : FID/PID
ample Name : 137326 x1
un Time Bar Code:
cquired on : 06 Jul 05 01:30 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 44
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\vp070505\044R0101.D

et 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
7.927	1368	BB	0.057	1	0.0335	Toluene
8.686	* not found *			1		n-Nonane
8.847	932	VV	0.040	1	0.0276	ethbzene/m,p-xylene
9.133	2024	VV	0.058	1	0.0523	o-Xylene
9.405	448247	BV	0.033	1	30.169	BFB(pid)
9.766	1726	VV	0.048	1	0.0562	1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene(pid)
2.149	225437	BV	0.113		2254.370	* uncalibrated *
2.678	658	VB	0.091		6.576	* uncalibrated *
8.385	829	BV	0.068		8.288	* uncalibrated *
8.798	517	VV	0.037		5.174	* uncalibrated *
9.811	1076	VB	0.050		10.764	* uncalibrated *
10.819	906	BV	0.060		9.060	* uncalibrated *

lot all calibrated peaks were found



Data File Name : C:\HPCHEM\1\DATA\vp070505\044R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : 137326 x1
Run Time Bar Code:
Acquired on : 06 Jul 05 01:30 AM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 44
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp070505\045F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 45
Sample Name	: G161-2047-11E x1	Injection Number	: 1
Run Time Bar Code	: 137332	Sequence Line	: 1
Acquired on	: 06 Jul 05 01:56 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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\vp070505\045F0101.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	* not found *			1		2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.925	1293	VB	0.044	1	0.137	Toluene
8.684	* not found *			1		n-Nonane
8.846	1038	VV	0.044	1	0.101	EBenz, m-,p-Xylene
9.133	2642	VV	0.055	1	0.262	o-Xylene
9.403	94037	PV	0.028	1	362.230	BFB
9.766	1873	PV	0.062	1	0.199	1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene
9.519	1438	VV	0.050		14.377	* 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\vp070505\045R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 45
Sample Name	: G161-2047-11E x1	Injection Number	: 1
Run Time Bar Code	: 137332	Sequence Line	: 1
Acquired on	: 06 Jul 05 01:56 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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\vp070505\045R0101.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
6.312	* not found *			1		2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.928	2739	BV	0.046	1	0.0671	Toluene
8.686	* not found *			1		n-Nonane
8.846	1269	VV	0.037	1	0.0375	ethbzene/m,p-xylene
9.133	2329	VV	0.067	1	0.0601	o-Xylene
9.406	459396	BV	0.033	1	30.920	BFB(pid)
9.765	2299	VV	0.059	1	0.0749	1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene(pid)
2.156	236493	BV	0.116		2364.928	* uncalibrated *
2.694	1209	VB	0.121		12.092	* uncalibrated *
8.802	542	VV	0.037		5.424	* uncalibrated *
9.881	528	VV	0.029		5.284	* uncalibrated *
10.819	1162	BV	0.062		11.621	* uncalibrated *

Not all calibrated peaks were found

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\045F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137332 x1
un Time Bar Code:
cquired on : 06 Jul 05 01:56 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

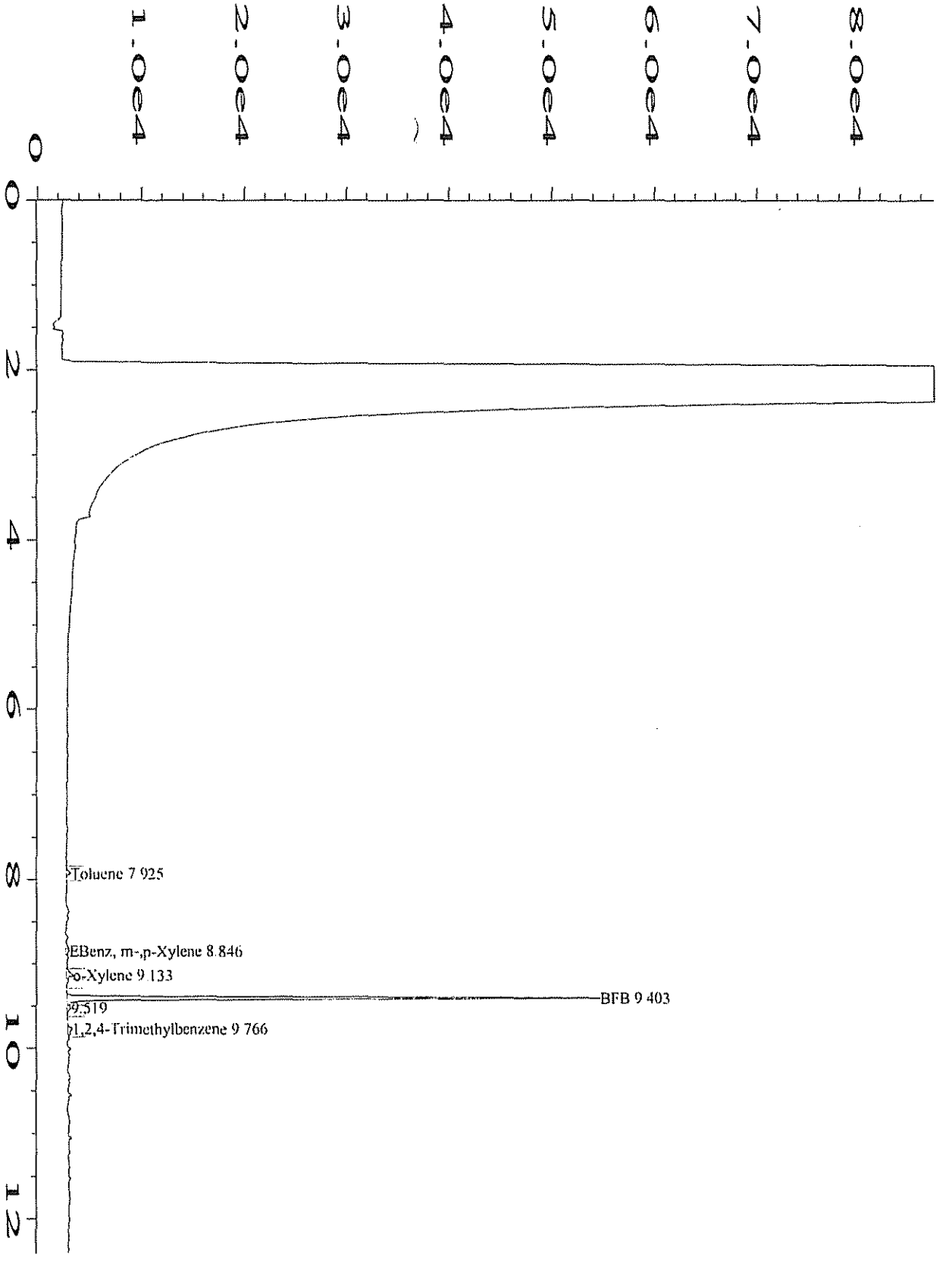
Page Number : 1
Vial Number : 45
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070505\045F0101.D

et 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
7.925	1293	VB	0.044	1	0.137	Toluene
8.684	* not found *			1		n-Nonane
8.846	1038	VV	0.044	1	0.101	EBenz, m-,p-Xylene
9.133	2642	VV	0.055	1	0.262	o-Xylene
9.403	94037	PV	0.028	1	362.230	BFB
9.766	1873	PV	0.062	1	0.199	1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene
9.519	1438	VV	0.050		14.377	* uncalibrated *

'alibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp070505\045F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 45
Sample Name	: 137332 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 06 Jul 05 01:56 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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

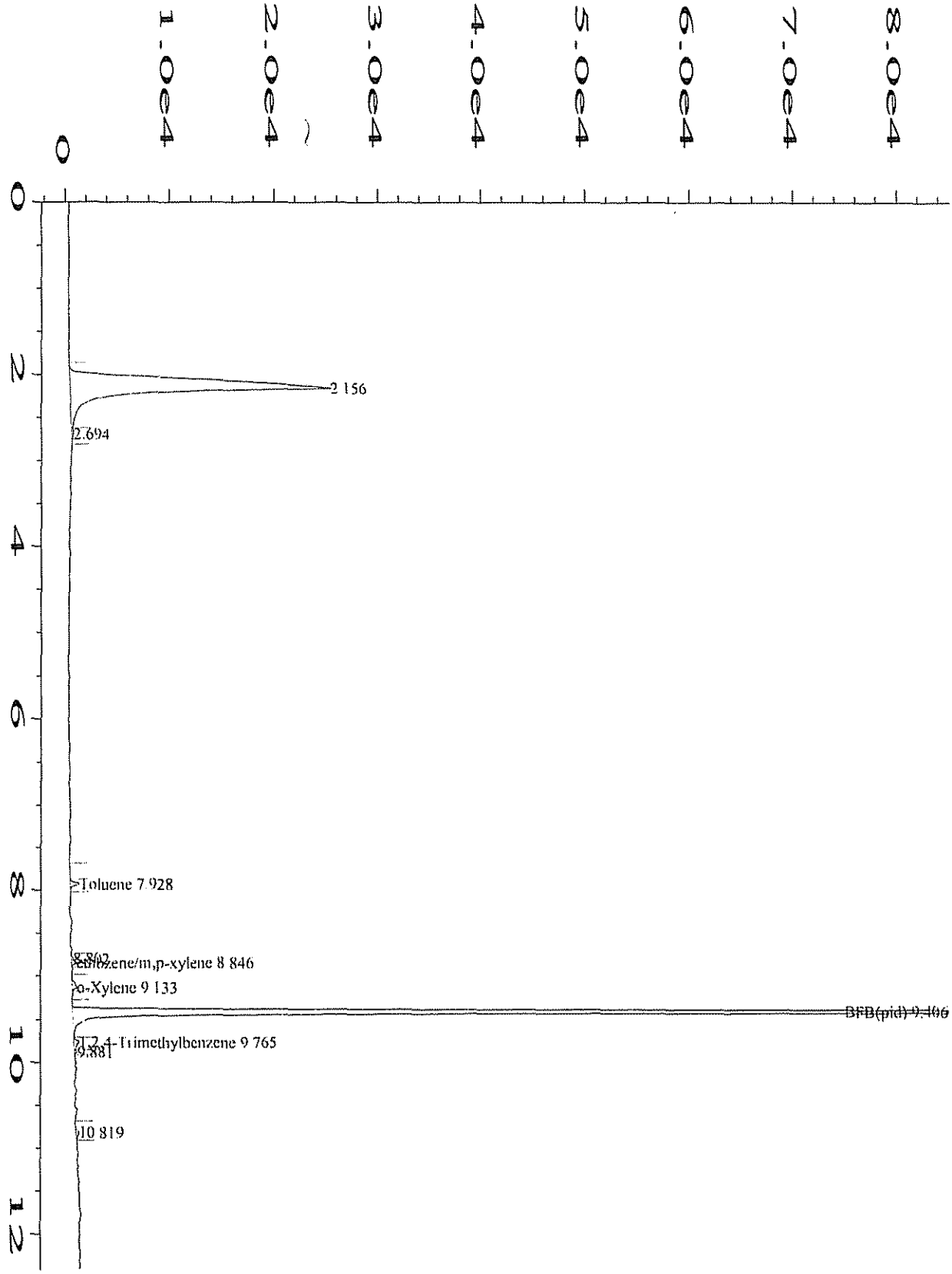
ata File Name : C:\HPCHEM\1\DATA\vp070505\045R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137332 x1
un Time Bar Code:
cquired on : 06 Jul 05 01:56 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 45
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\vp070505\045R0101.D

et 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
7.928	2739	BV	0.046	1	0.0671	Toluene
8.686	* not found *			1		n-Nonane
8.846	1269	VV	0.037	1	0.0375	ethbzene/m,p-xylene
9.133	2329	VV	0.067	1	0.0601	o-Xylene
9.406	459396	BV	0.033	1	30.920	BFB(pid)
9.765	2299	VV	0.059	1	0.0749	1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene(pid)
2.156	236493	BV	0.116		2364.928	* uncalibrated *
2.694	1209	VB	0.121		12.092	* uncalibrated *
8.802	542	VV	0.037		5.424	* uncalibrated *
9.881	528	VV	0.029		5.284	* uncalibrated *
10.819	1162	BV	0.062		11.621	* uncalibrated *

ot all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp070505\045R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 45
Sample Name	: 137332 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 06 Jul 05 01:56 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 AM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

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External Standard Report

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Data File Name : C:\HPCHEM\1\DATA\vp070505\046F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-12C x1
Run Time Bar Code: 137336
Acquired on : 06 Jul 05 02:21 AM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 46
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\vp070505\046F0101.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	* not found *			1		2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.926	* not found *			1		Toluene
8.684	* not found *			1		n-Nonane
8.848	* not found *			1		EBenz, m-,p-Xylene
9.133	1519	BV	0.048	1	0.151	o-Xylene
9.403	90289	BV	0.028	1	347.794	BFB
9.761	* not found *			1		1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene
9.519	1166	VB	0.049		11.662	* uncalibrated *
10.853	1174	PB	0.041		11.744	* 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\vp070505\046R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 46
Sample Name	: G161-2047-12C x1	Injection Number	: 1
Run Time Bar Code	: 137336	Sequence Line	: 1
Acquired on	: 06 Jul 05 02:21 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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\vp070505\046R0101.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
6.312	* not found *			1		2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.928	1896	BB	0.048	1	0.0465	Toluene
8.686	* not found *			1		n-Nonane
8.846	1284	PV	0.046	1	0.0380	ethbzene/m,p-xylene
9.132	1698	BV	0.064	1	0.0438	o-Xylene
9.406	437962	BV	0.033	1	29.477	BFB(pid)
9.765	2372	VV	0.069	1	0.0772	1,2,4-Trimethylbenzene
11.402	935	VV	0.089	1	0.0534	Naphthalene(pid)
2.158	239037	BV	0.116		2390.372	* uncalibrated *
2.674	1429	VB	0.123		14.288	* uncalibrated *
10.005	405	PV	0.039		4.047	* uncalibrated *
10.080	439	PV	0.050		4.391	* uncalibrated *
10.327	872	BV	0.056		8.718	* uncalibrated *
10.552	1397	PB	0.076		13.970	* uncalibrated *
10.854	1176	BV	0.061		11.758	* uncalibrated *
11.532	742	VV	0.065		7.420	* uncalibrated *
11.765	1400	VV	0.106		14.005	* uncalibrated *

Not all calibrated peaks were found

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\046F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137336 x1
un Time Bar Code:
cquired on : 06 Jul 05 02:21 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

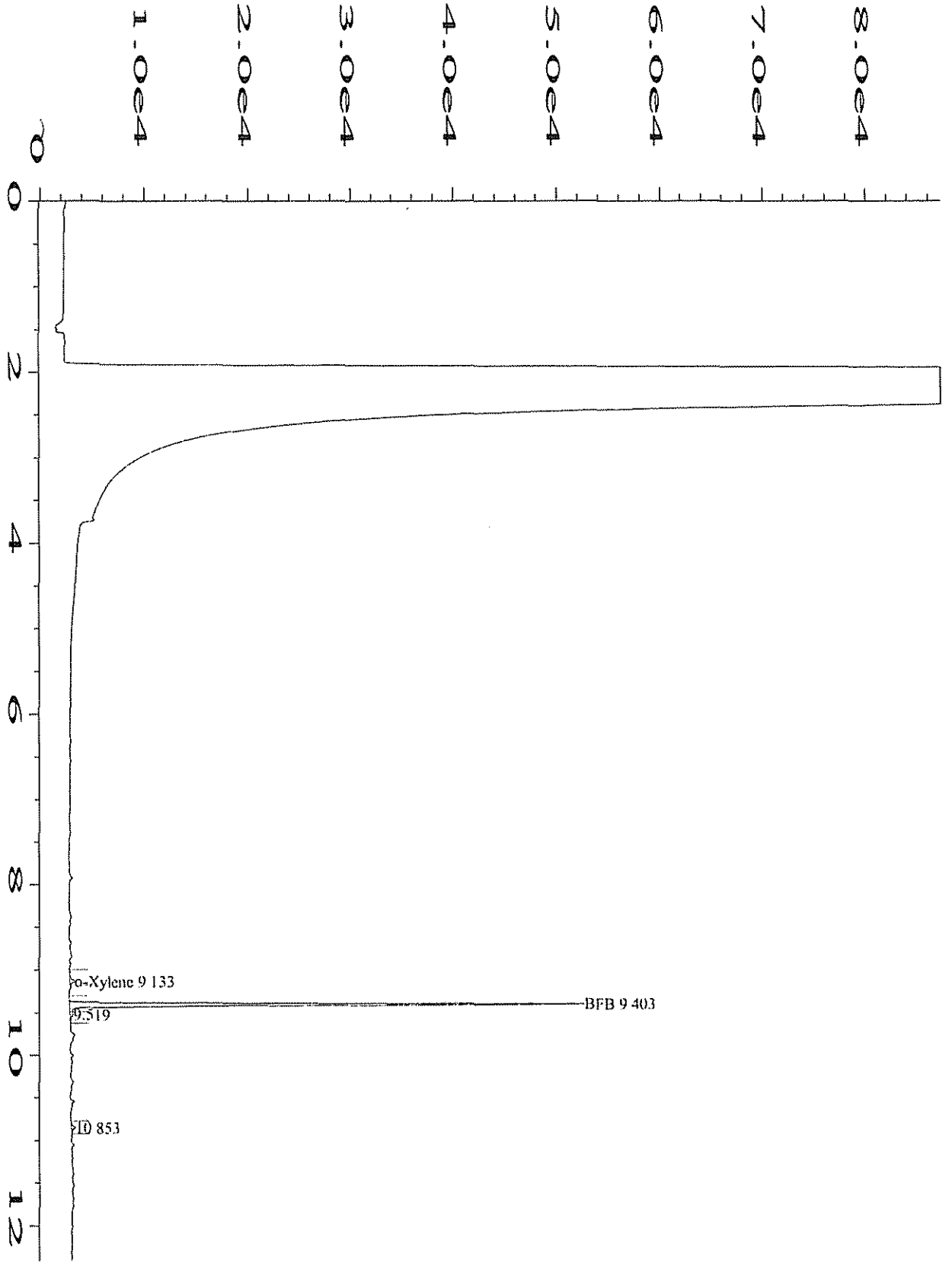
Page Number : 1
Vial Number : 46
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070505\046F0101.D

et 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
8.684	* not found *			1		n-Nonane
8.848	* not found *			1		EBenz, m-,p-Xylene
9.133	1519	BV	0.048	1	0.151	o-Xylene
9.403	90289	BV	0.028	1	347.794	BFB
9.761	* not found *			1		1,2,4-Trimethylbenzene
11.210	* not found *			1		Naphthalene
9.519	1166	VB	0.049		11.662	* uncalibrated *
10.853	1174	PB	0.041		11.744	* uncalibrated *

alibration table contains at least one peak with amt = 0

ot all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp070505\046F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 46
Sample Name	: 137336 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 06 Jul 05 02:21 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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

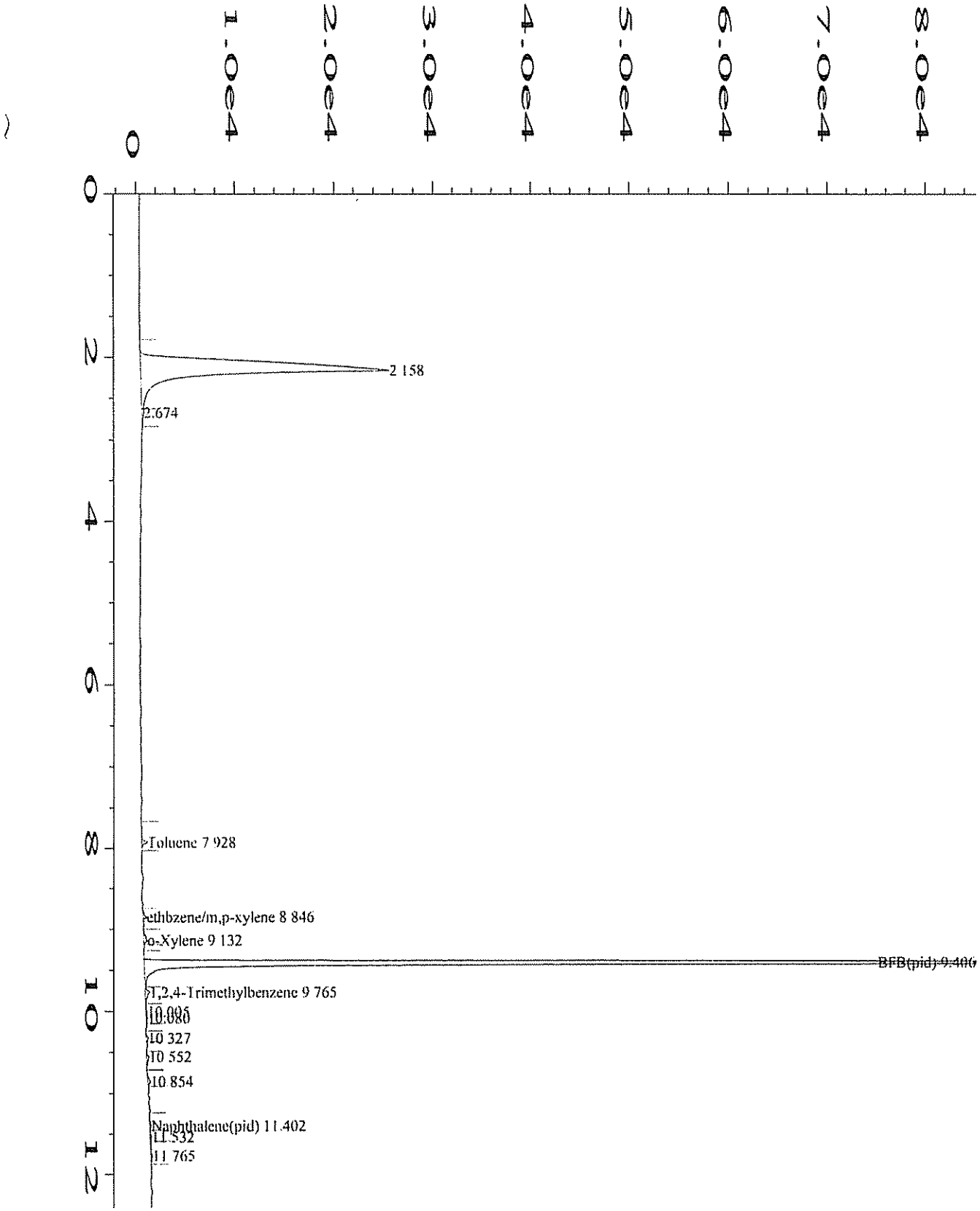
ata File Name : C:\HPCHEM\1\DATA\vp070505\046R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137336 x1
un Time Bar Code:
cquired on : 06 Jul 05 02:21 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 46
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\vp070505\046R0101.D

et 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
7.928	1896	BB	0.048	1	0.0465	Toluene
8.686	* not found *			1		n-Nonane
8.846	1284	PV	0.046	1	0.0380	ethbzene/m,p-xylene
9.132	1698	BV	0.064	1	0.0438	o-Xylene
9.406	437962	BV	0.033	1	29.477	BFB(pid)
9.765	2372	VV	0.069	1	0.0772	1,2,4-Trimethylbenzene
11.402	935	VV	0.089	1	0.0534	Naphthalene(pid)
2.158	239037	BV	0.116		2390.372	* uncalibrated *
2.674	1429	VB	0.123		14.288	* uncalibrated *
10.005	405	PV	0.039		4.047	* uncalibrated *
10.080	439	PV	0.050		4.391	* uncalibrated *
10.327	872	BV	0.056		8.718	* uncalibrated *
10.552	1397	PB	0.076		13.970	* uncalibrated *
10.854	1176	BV	0.061		11.758	* uncalibrated *
11.532	742	VV	0.065		7.420	* uncalibrated *
11.765	1400	VV	0.106		14.005	* uncalibrated *

Not all calibrated peaks were found



ata File Name	: C:\HPCHEM\1\DATA\vp070505\046R0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 46
ample Name	: 137336 x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 06 Jul 05 02:21 AM	Instrument Method	: GAS1.MTH
eport Created on	: 06 Jul 05 07:08 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

Data File Name : C:\HPCHEM\1\DATA\vp070505\047F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-13C x1
Run Time Bar Code: 137342
Acquired on : 06 Jul 05 02:46 AM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 47
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\vp070505\047F0101.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
6.256	4163	VV	0.097	1	0.800	2,2,4-Trimethylpentane
6.539	4960	VV	0.106	1	0.629	Benzene
7.931	6614	VV	0.040	1	0.702	Toluene
8.702	18779	PV	0.052	1	4.712	n-Nonane
8.853	35142	VV	0.050	1	3.435	EBenz, m-,p-Xylene
9.127	170898	VV	0.054	1	16.967	o-Xylene
9.403	200678	VV	0.043	1	773.016	BFB
9.810	367697	VV	0.088	1	25.951	1,2,4-Trimethylbenzene
11.215	250857	VV	0.041	1	-872.901	Naphthalene
6.141	2891	VV	0.096		28.915	* uncalibrated *
6.988	3512	PV	0.083		35.118	* uncalibrated *
7.123	22710	VV	0.071		227.100	* uncalibrated *
7.402	15384	VV	0.072		153.845	* uncalibrated *
7.516	12032	VV	0.066		120.324	* uncalibrated *
7.743	20009	PV	0.057		200.094	* uncalibrated *
7.866	8748	VV	0.057		87.482	* uncalibrated *
7.984	14728	VV	0.050		147.278	* uncalibrated *
8.052	17052	VV	0.054		170.522	* uncalibrated *
8.128	11735	VV	0.057		117.349	* uncalibrated *
8.351	80495	VV	0.076		804.948	* uncalibrated *
8.458	33654	VV	0.044		336.535	* uncalibrated *
8.541	2901	VV	0.044		29.013	* uncalibrated *
8.786	60867	VV	0.051		608.675	* uncalibrated *
8.931	77180	VV	0.060		771.803	* uncalibrated *
9.022	50466	VV	0.048		504.661	* uncalibrated *
9.195	24587	VV	0.045		245.874	* uncalibrated *
9.262	16313	VV	0.044		163.129	* uncalibrated *
9.460	242959	VV	0.083		2429.594	* uncalibrated *
9.575	92894	VV	0.060		928.942	* uncalibrated *
9.644	64944	VV	0.045		649.436	* uncalibrated *
9.965	76009	VV	0.057		760.091	* uncalibrated *
10.076	245301	VV	0.053		2453.007	* uncalibrated *
10.176	393800	VV	0.072		3937.997	* uncalibrated *
10.323	221594	VV	0.041		2215.942	* uncalibrated *
10.409	226104	VV	0.049		2261.038	* uncalibrated *
10.449	208007	VV	0.043		2080.069	* uncalibrated *
10.521	251729	VV	0.040		2517.295	* uncalibrated *
10.576	201517	VV	0.041		2015.169	* uncalibrated *
10.637	151287	VV	0.043		1512.866	* uncalibrated *
10.686	81793	VV	0.037		817.933	* uncalibrated *

10.801	489575	VV	0.056	4895.745	* uncalibrated *
10.853	229972	VV	0.035	2299.719	* uncalibrated *
10.978	790922	VV	0.075	7909.217	* uncalibrated *
11.072	350620	VV	0.054	3506.204	* uncalibrated *
11.167	160846	VV	0.043	1608.461	* uncalibrated *
11.269	203338	VV	0.058	2033.382	* uncalibrated *
11.352	299089	VV	0.047	2990.889	* uncalibrated *
11.483	557439	VV	0.066	5574.393	* uncalibrated *
11.536	313249	VV	0.055	3132.487	* uncalibrated *
11.627	176641	VV	0.058	1766.408	* uncalibrated *
11.710	174207	VV	0.046	1742.074	* uncalibrated *
11.763	484664	VV	0.040	4846.645	* uncalibrated *
11.909	427359	VV	0.056	4273.587	* uncalibrated *
12.049	42061	VV	0.049	420.605	* uncalibrated *
12.165	48246	VV	0.052	482.455	* uncalibrated *
12.307	43078	PV	0.042	430.783	* uncalibrated *
12.356	98919	VBA	0.033	989.187	* 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\vp070505\047R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-13C x1
Run Time Bar Code: 137342
Acquired on : 06 Jul 05 02:46 AM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 47
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\vp070505\047R0101.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
6.264	5930	VV	0.105	1	0.390	2,2,4-Trimethylpentane
6.598	3849	VV	0.109	1	0.0484	Benzene
7.928	13471	VV	0.040	1	0.330	Toluene
8.702	19781	PV	0.048	1	2.914	n-Nonane
8.847	40528	VV	0.044	1	1.198	ethbzene/m,p-xylene
9.130	238212	VV	0.064	1	6.150	o-Xylene
9.406	1056163	VV	0.059	1	71.085	BFB(pid)
9.812	587180	VV	0.091	1	19.125	1,2,4-Trimethylbenzene
11.213	501663	VV	0.043	1	28.662	Naphthalene(pid)
2.143	214144	BV	0.112		2141.444	* uncalibrated *
2.676	817	VB	0.093		8.166	* uncalibrated *
6.142	2486	BV	0.114		24.860	* uncalibrated *
6.996	2593	PV	0.073		25.925	* uncalibrated *
7.129	30565	VV	0.072		305.648	* uncalibrated *
7.407	11477	VV	0.087		114.769	* uncalibrated *
7.523	9864	VV	0.075		98.640	* uncalibrated *
7.746	27062	PV	0.058		270.625	* uncalibrated *
7.875	8211	VV	0.054		82.114	* uncalibrated *
7.987	20423	VV	0.051		204.231	* uncalibrated *
8.060	18584	VV	0.057		185.839	* uncalibrated *
8.129	9011	VV	0.064		90.113	* uncalibrated *
8.352	103528	VV	0.070		1035.284	* uncalibrated *
8.459	39369	VV	0.052		393.693	* uncalibrated *
8.787	75963	VV	0.052		759.632	* uncalibrated *
8.966	86642	VV	0.067		866.424	* uncalibrated *
9.025	58662	VV	0.047		586.622	* uncalibrated *
9.577	158487	VV	0.062		1584.874	* uncalibrated *
9.642	90270	VV	0.051		902.699	* uncalibrated *
9.968	135718	VV	0.061		1357.175	* uncalibrated *
10.078	370683	VV	0.054		3706.829	* uncalibrated *
10.179	774688	VV	0.077		7746.881	* uncalibrated *
10.324	320322	VV	0.040		3203.216	* uncalibrated *
10.451	765822	VV	0.068		7658.224	* uncalibrated *
10.522	544453	VV	0.043		5444.532	* uncalibrated *
10.576	432640	VV	0.045		4326.399	* uncalibrated *
10.635	252955	VV	0.048		2529.550	* uncalibrated *
10.686	153793	VV	0.038		1537.933	* uncalibrated *
10.802	860232	VV	0.059		8602.325	* uncalibrated *
10.853	452994	VV	0.039		4529.943	* uncalibrated *
10.978	1489188	VV	0.078		14891.88	* uncalibrated *

11.072	679217	VV	0.060	6792.166	* uncalibrated *
11.168	336108	VV	0.037	3361.077	* uncalibrated *
11.273	391006	VV	0.053	3910.056	* uncalibrated *
11.352	585363	VV	0.050	5853.632	* uncalibrated *
11.483	1000482	VV	0.069	10004.82	* uncalibrated *
11.535	593018	VV	0.072	5930.177	* uncalibrated *
11.624	302014	VV	0.062	3020.137	* uncalibrated *
11.711	283435	VV	0.050	2834.348	* uncalibrated *
11.763	1045773	VV	0.042	10457.73	* uncalibrated *
11.908	923466	VV	0.060	9234.662	* uncalibrated *
12.165	65682	VV	0.055	656.818	* uncalibrated *
12.307	67148	PV	0.036	671.484	* uncalibrated *
12.357	208069	VBA	0.035	2080.690	* uncalibrated *

Not all calibrated peaks were found

==========

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\047F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137342 x1
un Time Bar Code:
cquired on : 06 Jul 05 02:46 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 47
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070505\047F0101.D

et 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
6.256	4163	VV	0.097	1	0.800	2,2,4-Trimethylpentane
6.539	4960	VV	0.106	1	0.629	Benzene
7.931	6614	VV	0.040	1	0.702	Toluene
8.702	18779	PV	0.052	1	4.712	n-Nonane
8.853	35142	VV	0.050	1	3.435	EBenz, m-,p-Xylene
9.127	170898	VV	0.054	1	16.967	o-Xylene
9.403	200678	VV	0.043	1	773.016	BFB
9.810	367697	VV	0.088	1	25.951	1,2,4-Trimethylbenzene
11.215	250857	VV	0.041	1	-872.901	Naphthalene
6.141	2891	VV	0.096		28.915	* uncalibrated *
6.988	3512	PV	0.083		35.118	* uncalibrated *
7.123	22710	VV	0.071		227.100	* uncalibrated *
7.402	15384	VV	0.072		153.845	* uncalibrated *
7.516	12032	VV	0.066		120.324	* uncalibrated *
7.743	20009	PV	0.057		200.094	* uncalibrated *
7.866	8748	VV	0.057		87.482	* uncalibrated *
7.984	14728	VV	0.050		147.278	* uncalibrated *
8.052	17052	VV	0.054		170.522	* uncalibrated *
8.128	11735	VV	0.057		117.349	* uncalibrated *
8.351	80495	VV	0.076		804.948	* uncalibrated *
8.458	33654	VV	0.044		336.535	* uncalibrated *
8.541	2901	VV	0.044		29.013	* uncalibrated *
8.786	60867	VV	0.051		608.675	* uncalibrated *
8.931	77180	VV	0.060		771.803	* uncalibrated *
9.022	50466	VV	0.048		504.661	* uncalibrated *
9.195	24587	VV	0.045		245.874	* uncalibrated *
9.262	16313	VV	0.044		163.129	* uncalibrated *
9.460	242959	VV	0.083		2429.594	* uncalibrated *
9.575	92894	VV	0.060		928.942	* uncalibrated *
9.644	64944	VV	0.045		649.436	* uncalibrated *
9.965	76009	VV	0.057		760.091	* uncalibrated *
10.076	245301	VV	0.053		2453.007	* uncalibrated *
10.176	393800	VV	0.072		3937.997	* uncalibrated *
10.323	221594	VV	0.041		2215.942	* uncalibrated *
10.409	226104	VV	0.049		2261.038	* uncalibrated *
10.449	208007	VV	0.043		2080.069	* uncalibrated *
10.521	251729	VV	0.040		2517.295	* uncalibrated *
10.576	201517	VV	0.041		2015.169	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070505\047F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137342 x1
un Time Bar Code:
cquired on : 06 Jul 05 02:46 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

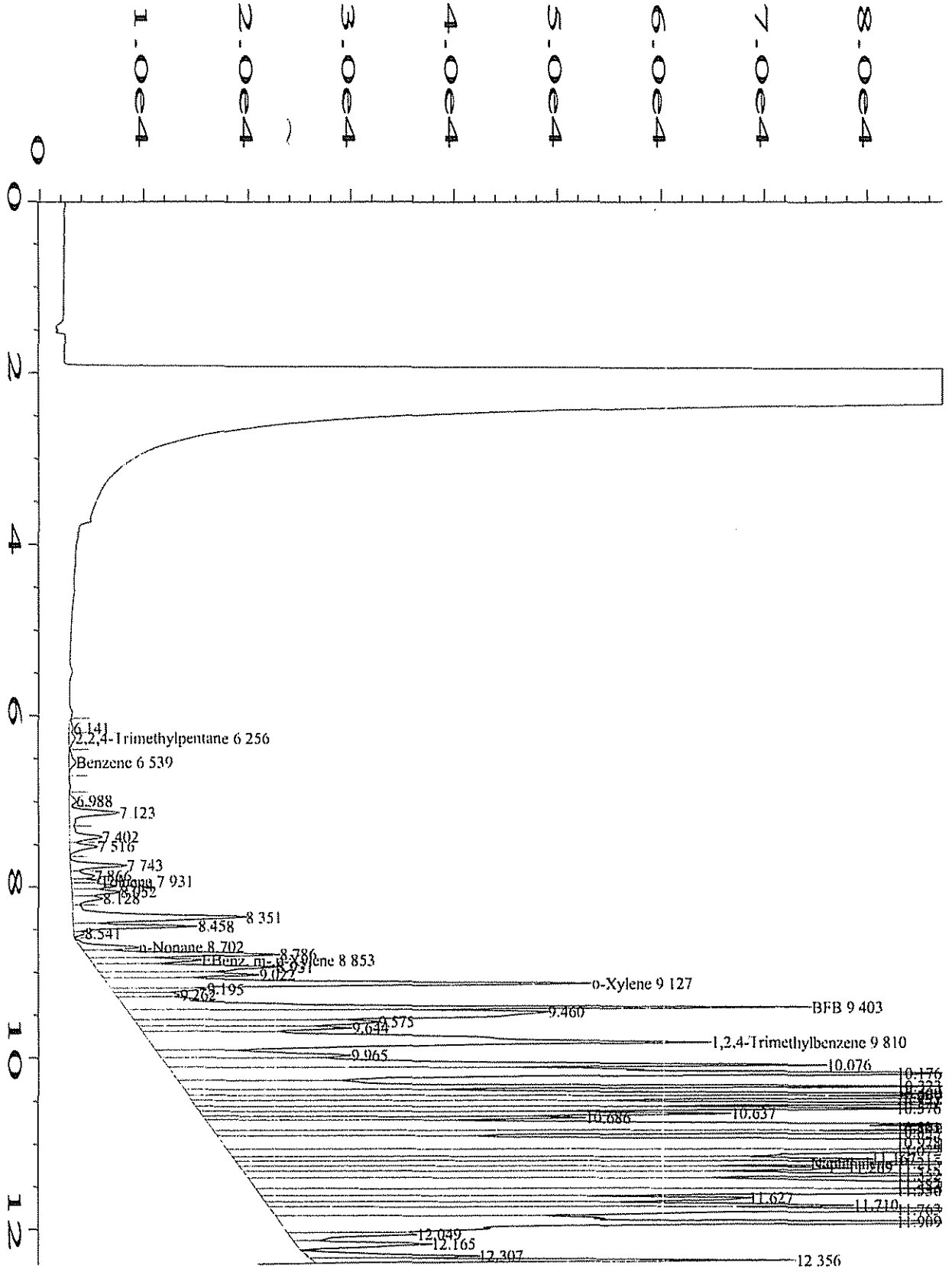
Page Number : 2
Vial Number : 47
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.637	151287	VV	0.043	1512.866	* uncalibrated *
10.686	81793	VV	0.037	817.933	* uncalibrated *
10.801	489575	VV	0.056	4895.745	* uncalibrated *
10.853	229972	VV	0.035	2299.719	* uncalibrated *
10.978	790922	VV	0.075	7909.217	* uncalibrated *
11.072	350620	VV	0.054	3506.204	* uncalibrated *
11.167	160846	VV	0.043	1608.461	* uncalibrated *
11.269	203338	VV	0.058	2033.382	* uncalibrated *
11.352	299089	VV	0.047	2990.889	* uncalibrated *
11.483	557439	VV	0.066	5574.393	* uncalibrated *
11.536	313249	VV	0.055	3132.487	* uncalibrated *
11.627	176641	VV	0.058	1766.408	* uncalibrated *
11.710	174207	VV	0.046	1742.074	* uncalibrated *
11.763	484664	VV	0.040	4846.645	* uncalibrated *
11.909	427359	VV	0.056	4273.587	* uncalibrated *
12.049	42061	VV	0.049	420.605	* uncalibrated *
12.165	48246	VV	0.052	482.455	* uncalibrated *
12.307	43078	PV	0.042	430.783	* uncalibrated *
12.356	98919	VBA	0.033	989.187	* uncalibrated *

:alibration table contains at least one peak with amt = 0

Not all calibrated peaks were found

==========



Data File Name	: C:\HPCHEM\1\DATA\vp070505\047F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 47
Sample Name	: 137342 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 06 Jul 05 02:46 AM	Instrument Method:	GAS1.MTH
Report Created on:	06 Jul 05 07:08 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

ata File Name : C:\HPCHEM\1\DATA\vp070505\047R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137342 x1
un Time Bar Code:
cquired on : 06 Jul 05 02:46 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 47
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\vp070505\047R0101.D

et 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
6.264	5930	VV	0.105	1	0.390	2,2,4-Trimethylpentane
6.598	3849	VV	0.109	1	0.0484	Benzene
7.928	13471	VV	0.040	1	0.330	Toluene
8.702	19781	PV	0.048	1	2.914	n-Nonane
8.847	40528	VV	0.044	1	1.198	ethbzene/m,p-xylene
9.130	238212	VV	0.064	1	6.150	o-Xylene
9.406	1056163	VV	0.059	1	71.085	BFB(pid)
9.812	587180	VV	0.091	1	19.125	1,2,4-Trimethylbenzene
11.213	501663	VV	0.043	1	28.662	Naphthalene(pid)
2.143	214144	BV	0.112		2141.444	* uncalibrated *
2.676	817	VB	0.093		8.166	* uncalibrated *
6.142	2486	BV	0.114		24.860	* uncalibrated *
6.996	2593	PV	0.073		25.925	* uncalibrated *
7.129	30565	VV	0.072		305.648	* uncalibrated *
7.407	11477	VV	0.087		114.769	* uncalibrated *
7.523	9864	VV	0.075		98.640	* uncalibrated *
7.746	27062	PV	0.058		270.625	* uncalibrated *
7.875	8211	VV	0.054		82.114	* uncalibrated *
7.987	20423	VV	0.051		204.231	* uncalibrated *
8.060	18584	VV	0.057		185.839	* uncalibrated *
8.129	9011	VV	0.064		90.113	* uncalibrated *
8.352	103528	VV	0.070		1035.284	* uncalibrated *
8.459	39369	VV	0.052		393.693	* uncalibrated *
8.787	75963	VV	0.052		759.632	* uncalibrated *
8.966	86642	VV	0.067		866.424	* uncalibrated *
9.025	58662	VV	0.047		586.622	* uncalibrated *
9.577	158487	VV	0.062		1584.874	* uncalibrated *
9.642	90270	VV	0.051		902.699	* uncalibrated *
9.968	135718	VV	0.061		1357.175	* uncalibrated *
10.078	370683	VV	0.054		3706.829	* uncalibrated *
10.179	774688	VV	0.077		7746.881	* uncalibrated *
10.324	320322	VV	0.040		3203.216	* uncalibrated *
10.451	765822	VV	0.068		7658.224	* uncalibrated *
10.522	544453	VV	0.043		5444.532	* uncalibrated *
10.576	432640	VV	0.045		4326.399	* uncalibrated *
10.635	252955	VV	0.048		2529.550	* uncalibrated *
10.686	153793	VV	0.038		1537.933	* uncalibrated *
10.802	860232	VV	0.059		8602.325	* uncalibrated *

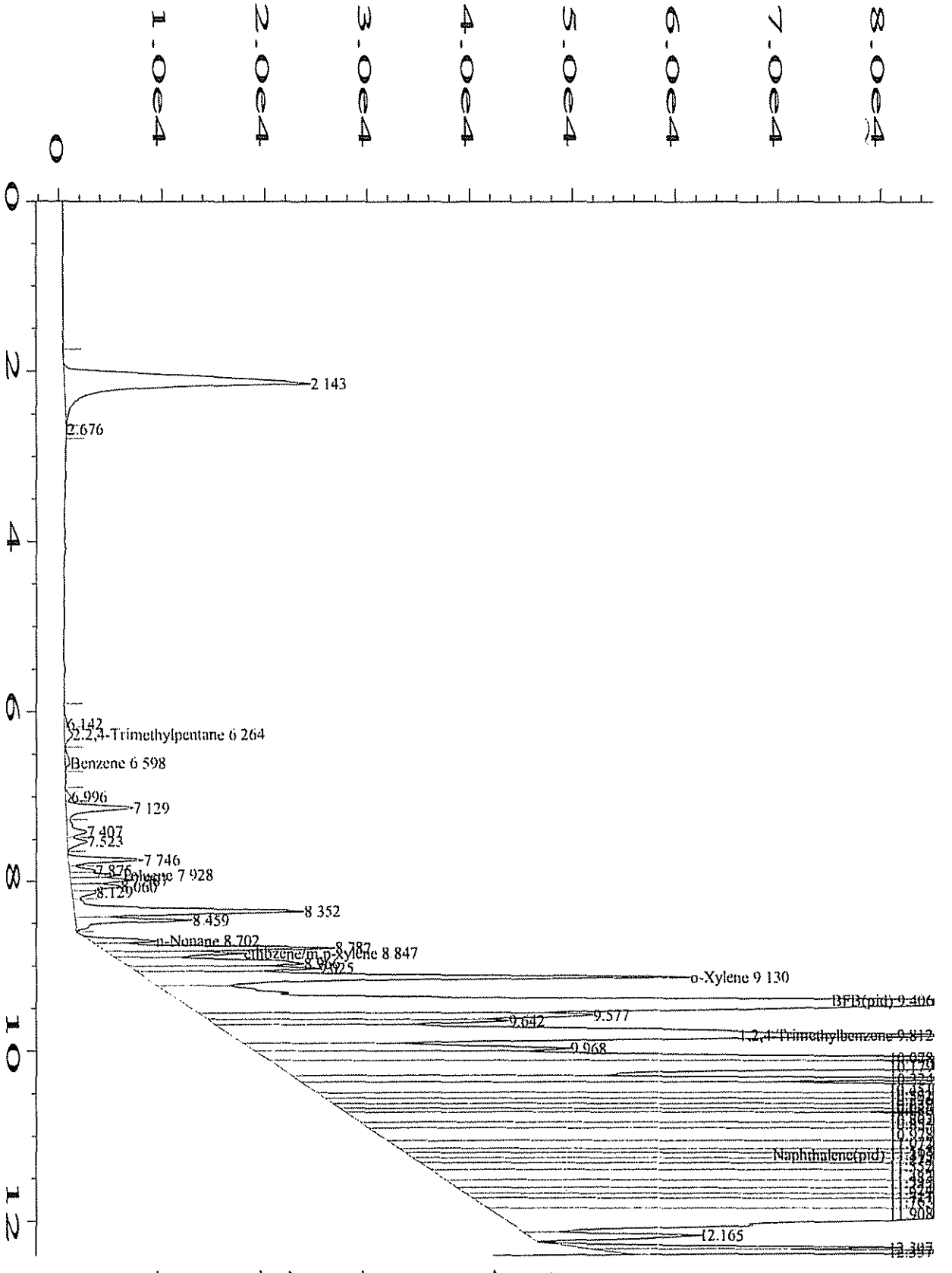
ata File Name : C:\HPCHEM\1\DATA\vp070505\047R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137342 x1
un Time Bar Code:
cquired on : 06 Jul 05 02:46 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 47
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.853	452994	VV	0.039	4529.943	* uncalibrated *
10.978	1489188	VV	0.078	14891.88	* uncalibrated *
11.072	679217	VV	0.060	6792.166	* uncalibrated *
11.168	336108	VV	0.037	3361.077	* uncalibrated *
11.273	391006	VV	0.053	3910.056	* uncalibrated *
11.352	585363	VV	0.050	5853.632	* uncalibrated *
11.483	1000482	VV	0.069	10004.82	* uncalibrated *
11.535	593018	VV	0.072	5930.177	* uncalibrated *
11.624	302014	VV	0.062	3020.137	* uncalibrated *
11.711	283435	VV	0.050	2834.348	* uncalibrated *
11.763	1045773	VV	0.042	10457.73	* uncalibrated *
11.908	923466	VV	0.060	9234.662	* uncalibrated *
12.165	65682	VV	0.055	656.818	* uncalibrated *
12.307	67148	PV	0.036	671.484	* uncalibrated *
12.357	208069	VBA	0.035	2080.690	* uncalibrated *

Not all calibrated peaks were found

==========



Data File Name	: C:\HPCHEM\1\DATA\vp070505\047R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 47
Sample Name	: 137342 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 06 Jul 05 02:46 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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\vp070505\048F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 48
Sample Name	: G161-2047-14A x1	Injection Number	: 1
Run Time Bar Code	: 137346	Sequence Line	: 1
Acquired on	: 06 Jul 05 03:11 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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\vp070505\048F0101.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	* not found *			1		2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.925	1152	VV	0.064	1	0.122	Toluene
8.698	1556	BV	0.057	1	0.390	n-Nonane
8.848	2007	VV	0.047	1	0.196	EBenz, m-,p-Xylene
9.131	11834	VV	0.058	1	1.175	o-Xylene
9.403	112129	PV	0.032	1	431.921	BFB
9.813	12527	VV	0.078	1	1.333	1,2,4-Trimethylbenzene
11.216	10560	VV	0.034	1	2.492	Naphthalene
8.358	5149	VV	0.085		51.491	* uncalibrated *
8.462	2841	VB	0.058		28.408	* uncalibrated *
8.790	3582	VV	0.053		35.819	* uncalibrated *
8.941	4502	VV	0.069		45.018	* uncalibrated *
9.028	2938	VV	0.047		29.381	* uncalibrated *
9.198	1955	VV	0.049		19.547	* uncalibrated *
10.077	10398	VV	0.057		103.978	* uncalibrated *
10.169	12448	VV	0.066		124.482	* uncalibrated *
10.323	6838	PV	0.032		68.383	* uncalibrated *
10.408	7567	VV	0.041		75.674	* uncalibrated *
10.451	5976	VV	0.034		59.763	* uncalibrated *
10.520	11282	VV	0.039		112.820	* uncalibrated *
10.576	6961	VV	0.040		69.612	* uncalibrated *
10.636	5845	VV	0.039		58.454	* uncalibrated *
10.688	1558	VV	0.025		15.581	* uncalibrated *
10.761	6203	PV	0.035		62.034	* uncalibrated *
10.801	15867	VV	0.035		158.673	* uncalibrated *
10.853	7700	VV	0.029		77.003	* uncalibrated *
10.980	35552	PV	0.057		355.517	* uncalibrated *
11.037	5263	VV	0.021		52.625	* uncalibrated *
11.072	12415	VV	0.034		124.149	* uncalibrated *
11.127	3630	VV	0.030		36.303	* uncalibrated *
11.167	1455	VV	0.025		14.551	* uncalibrated *
11.266	7632	VV	0.040		76.319	* uncalibrated *
11.352	14345	VV	0.030		143.450	* uncalibrated *
11.484	41692	VV	0.049		416.924	* uncalibrated *
11.535	13516	VV	0.032		135.157	* uncalibrated *
11.569	6741	VV	0.024		67.413	* uncalibrated *
11.624	6903	VV	0.040		69.030	* uncalibrated *
11.710	14334	VV	0.038		143.336	* uncalibrated *
11.763	97201	VV	0.031		972.011	* uncalibrated *

11.908	88350	VV	0.036	883.499	* uncalibrated *
11.984	5449	VV	0.033	54.486	* uncalibrated *
12.059	4494	VV	0.036	44.943	* uncalibrated *
12.166	21358	PV	0.049	213.580	* uncalibrated *
12.308	28823	PV	0.028	288.227	* uncalibrated *
12.358	122201	VBA	0.031	1222.009	* 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\vp070505\048R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-14A x1
Run Time Bar Code: 137346
Acquired on : 06 Jul 05 03:11 AM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 48
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\vp070505\048R0101.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
6.312	* not found *			1		2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.929	1415	VV	0.049	1	0.0347	Toluene
8.705	1259	PV	0.052	1	0.185	n-Nonane
8.845	2243	VV	0.043	1	0.0663	ethbzene/m,p-xylene
9.034	3773	VV	0.046	1	0.0974	o-Xylene
9.406	493626	VV	0.034	1	33.223	BFB(pid)
9.814	17056	PV	0.080	1	0.556	1,2,4-Trimethylbenzene
11.215	17607	VV	0.034	1	1.006	Naphthalene(pid)
2.136	201685	BV	0.109		2016.853	* uncalibrated *
2.667	784	VB	0.072		7.838	* uncalibrated *
7.123	1262	BB	0.101		12.619	* uncalibrated *
7.750	849	PV	0.049		8.491	* uncalibrated *
7.989	613	VV	0.045		6.132	* uncalibrated *
8.067	653	VV	0.050		6.528	* uncalibrated *
8.357	6176	VV	0.079		61.761	* uncalibrated *
8.462	3235	VV	0.064		32.349	* uncalibrated *
8.791	4132	VV	0.053		41.322	* uncalibrated *
8.969	4928	VV	0.067		49.285	* uncalibrated *
9.132	18401	VV	0.077		184.013	* uncalibrated *
9.645	806	VV	0.032		8.056	* uncalibrated *
9.967	3454	VV	0.055		34.540	* uncalibrated *
10.078	12136	VV	0.051		121.362	* uncalibrated *
10.171	18884	VV	0.066		188.835	* uncalibrated *
10.324	8897	PV	0.030		88.969	* uncalibrated *
10.409	9327	VV	0.039		93.269	* uncalibrated *
10.452	10429	VV	0.036		104.288	* uncalibrated *
10.521	20680	VV	0.039		206.799	* uncalibrated *
10.574	9857	VV	0.038		98.566	* uncalibrated *
10.637	6288	VV	0.037		62.883	* uncalibrated *
10.689	1893	VV	0.024		18.929	* uncalibrated *
10.801	33957	PV	0.046		339.567	* uncalibrated *
10.853	11603	VV	0.029		116.025	* uncalibrated *
10.980	55762	PV	0.059		557.621	* uncalibrated *
11.036	8534	VV	0.025		85.341	* uncalibrated *
11.072	18433	VV	0.036		184.328	* uncalibrated *
11.126	4977	VV	0.029		49.769	* uncalibrated *
11.166	3237	VV	0.025		32.370	* uncalibrated *
11.267	11916	VV	0.040		119.161	* uncalibrated *
11.352	25085	VV	0.032		250.851	* uncalibrated *

11.485	65458	VV	0.049	654.579	*	uncalibrated *
11.534	20452	VV	0.033	204.520	*	uncalibrated *
11.569	11246	VV	0.027	112.455	*	uncalibrated *
11.624	8990	VV	0.041	89.899	*	uncalibrated *
11.711	19498	VV	0.036	194.978	*	uncalibrated *
11.763	208228	VV	0.032	2082.281	*	uncalibrated *
11.908	187123	VV	0.038	1871.233	*	uncalibrated *
12.056	7220	VV	0.038	72.199	*	uncalibrated *
12.167	29479	PV	0.052	294.790	*	uncalibrated *
12.308	35956	PV	0.024	359.558	*	uncalibrated *
12.358	244745	VBA	0.032	2447.454	*	uncalibrated *

Not all calibrated peaks were found

==========

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\048F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137346 x1
un Time Bar Code:
cquired on : 06 Jul 05 03:11 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 48
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070505\048F0101.D

et 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
7.925	1152	VV	0.064	1	0.122	Toluene
8.698	1556	BV	0.057	1	0.390	n-Nonane
8.848	2007	VV	0.047	1	0.196	EBenz, m-,p-Xylene
9.131	11834	VV	0.058	1	1.175	o-Xylene
9.403	112129	PV	0.032	1	431.921	BFB
9.813	12527	VV	0.078	1	1.333	1,2,4-Trimethylbenzene
11.216	10560	VV	0.034	1	2.492	Naphthalene
8.358	5149	VV	0.085		51.491	* uncalibrated *
8.462	2841	VB	0.058		28.408	* uncalibrated *
8.790	3582	VV	0.053		35.819	* uncalibrated *
8.941	4502	VV	0.069		45.018	* uncalibrated *
9.028	2938	VV	0.047		29.381	* uncalibrated *
9.198	1955	VV	0.049		19.547	* uncalibrated *
10.077	10398	VV	0.057		103.978	* uncalibrated *
10.169	12448	VV	0.066		124.482	* uncalibrated *
10.323	6838	PV	0.032		68.383	* uncalibrated *
10.408	7567	VV	0.041		75.674	* uncalibrated *
10.451	5976	VV	0.034		59.763	* uncalibrated *
10.520	11282	VV	0.039		112.820	* uncalibrated *
10.576	6961	VV	0.040		69.612	* uncalibrated *
10.636	5845	VV	0.039		58.454	* uncalibrated *
10.688	1558	VV	0.025		15.581	* uncalibrated *
10.761	6203	PV	0.035		62.034	* uncalibrated *
10.801	15867	VV	0.035		158.673	* uncalibrated *
10.853	7700	VV	0.029		77.003	* uncalibrated *
10.980	35552	PV	0.057		355.517	* uncalibrated *
11.037	5263	VV	0.021		52.625	* uncalibrated *
11.072	12415	VV	0.034		124.149	* uncalibrated *
11.127	3630	VV	0.030		36.303	* uncalibrated *
11.167	1455	VV	0.025		14.551	* uncalibrated *
11.266	7632	VV	0.040		76.319	* uncalibrated *
11.352	14345	VV	0.030		143.450	* uncalibrated *
11.484	41692	VV	0.049		416.924	* uncalibrated *
11.535	13516	VV	0.032		135.157	* uncalibrated *
11.569	6741	VV	0.024		67.413	* uncalibrated *
11.624	6903	VV	0.040		69.030	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070505\048F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137346 x1
un Time Bar Code:
cquired on : 06 Jul 05 03:11 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 48
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

11.710	14334	VV	0.038	143.336	* uncalibrated *
11.763	97201	VV	0.031	972.011	* uncalibrated *
11.908	88350	VV	0.036	883.499	* uncalibrated *
11.984	5449	VV	0.033	54.486	* uncalibrated *
12.059	4494	VV	0.036	44.943	* uncalibrated *
12.166	21358	PV	0.049	213.580	* uncalibrated *
12.308	28823	PV	0.028	288.227	* uncalibrated *
12.358	122201	VBA	0.031	1222.009	* uncalibrated *

alibration table contains at least one peak with amt = 0

ot all calibrated peaks were found

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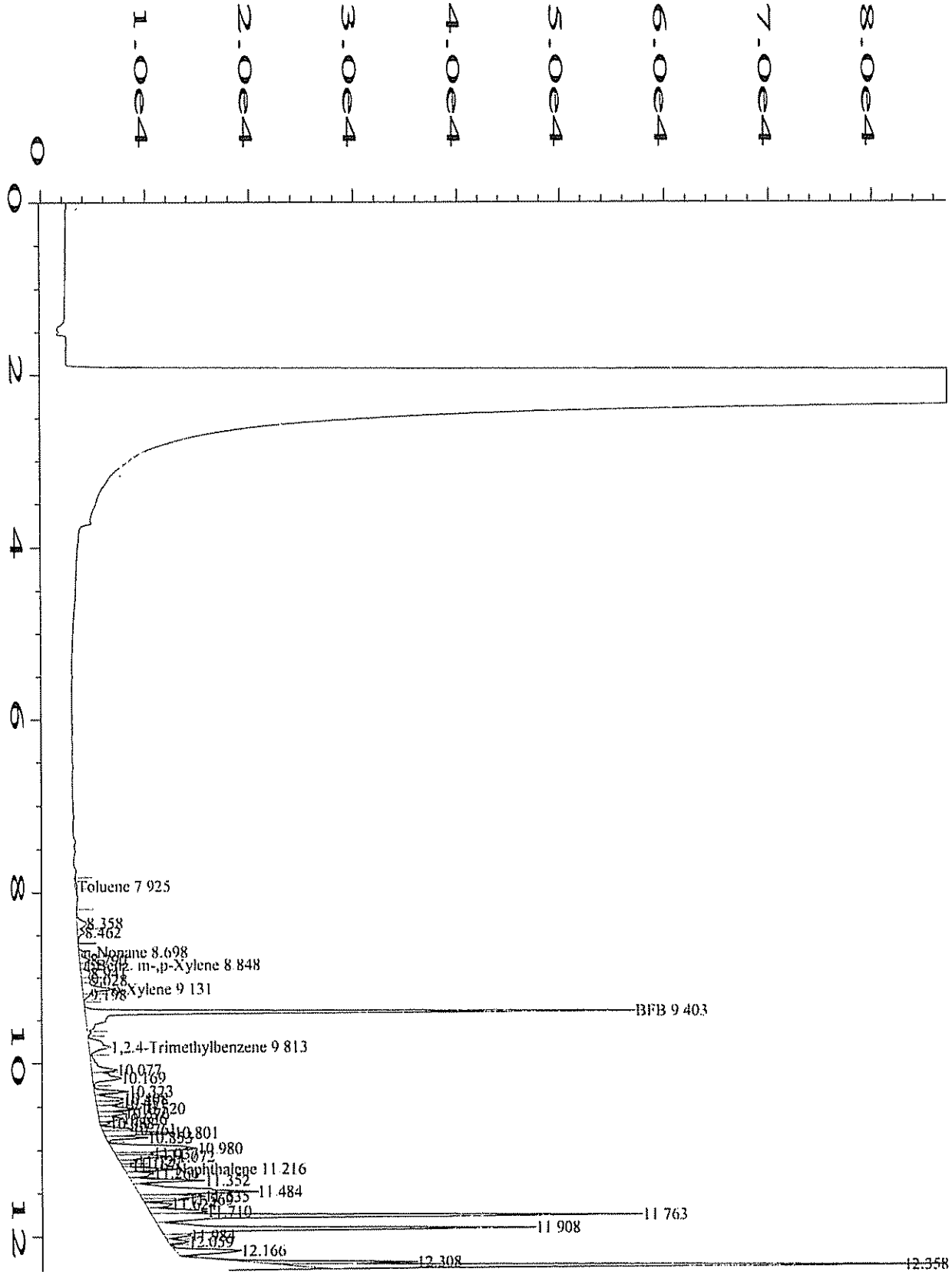


ata File Name	: C:\HPCHEM\1\DATA\vp070505\048F0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 48
ample Name	: 137346 x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 06 Jul 05 03:11 AM	Instrument Method:	GAS1.MTH
eport Created on:	06 Jul 05 07:08 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\048R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137346 x1
un Time Bar Code:
cquired on : 06 Jul 05 03:11 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 48
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\vp070505\048R0101.D

et 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
7.929	1415	VV	0.049	1	0.0347	Toluene
8.705	1259	PV	0.052	1	0.185	n-Nonane
8.845	2243	VV	0.043	1	0.0663	ethbzene/m,p-xylene
9.034	3773	VV	0.046	1	0.0974	o-Xylene
9.406	493626	VV	0.034	1	33.223	BFB(pid)
9.814	17056	PV	0.080	1	0.556	1,2,4-Trimethylbenzene
11.215	17607	VV	0.034	1	1.006	Naphthalene(pid)
2.136	201685	BV	0.109		2016.853	* uncalibrated *
2.667	784	VB	0.072		7.838	* uncalibrated *
7.123	1262	BB	0.101		12.619	* uncalibrated *
7.750	849	PV	0.049		8.491	* uncalibrated *
7.989	613	VV	0.045		6.132	* uncalibrated *
8.067	653	VV	0.050		6.528	* uncalibrated *
8.357	6176	VV	0.079		61.761	* uncalibrated *
8.462	3235	VV	0.064		32.349	* uncalibrated *
8.791	4132	VV	0.053		41.322	* uncalibrated *
8.969	4928	VV	0.067		49.285	* uncalibrated *
9.132	18401	VV	0.077		184.013	* uncalibrated *
9.645	806	VV	0.032		8.056	* uncalibrated *
9.967	3454	VV	0.055		34.540	* uncalibrated *
10.078	12136	VV	0.051		121.362	* uncalibrated *
10.171	18884	VV	0.066		188.835	* uncalibrated *
10.324	8897	PV	0.030		88.969	* uncalibrated *
10.409	9327	VV	0.039		93.269	* uncalibrated *
10.452	10429	VV	0.036		104.288	* uncalibrated *
10.521	20680	VV	0.039		206.799	* uncalibrated *
10.574	9857	VV	0.038		98.566	* uncalibrated *
10.637	6288	VV	0.037		62.883	* uncalibrated *
10.689	1893	VV	0.024		18.929	* uncalibrated *
10.801	33957	PV	0.046		339.567	* uncalibrated *
10.853	11603	VV	0.029		116.025	* uncalibrated *
10.980	55762	PV	0.059		557.621	* uncalibrated *
11.036	8534	VV	0.025		85.341	* uncalibrated *
11.072	18433	VV	0.036		184.328	* uncalibrated *
11.126	4977	VV	0.029		49.769	* uncalibrated *
11.166	3237	VV	0.025		32.370	* uncalibrated *

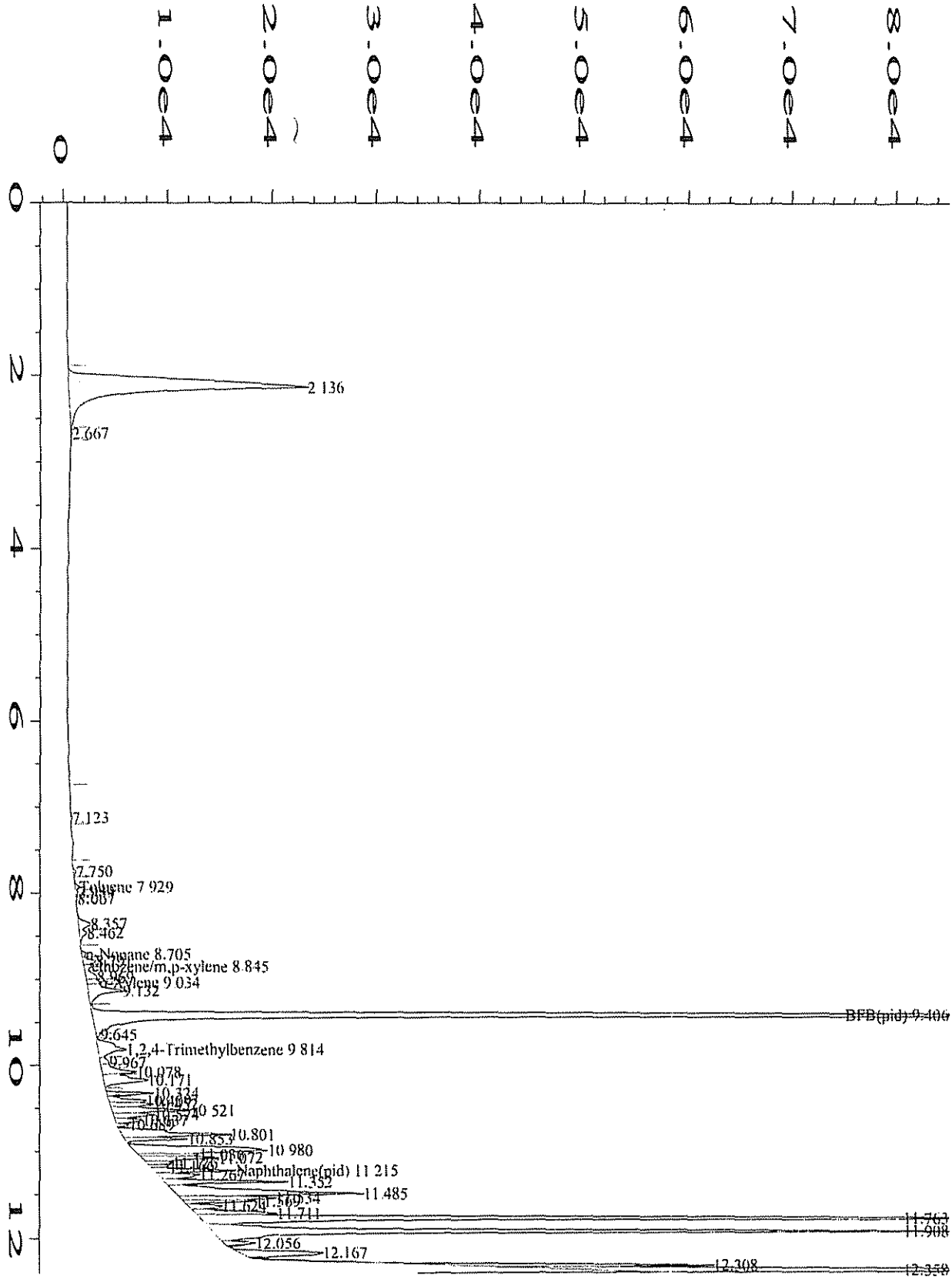
ata File Name : C:\HPCHEM\1\DATA\vp070505\048R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137346 x1
un Time Bar Code:
cquired on : 06 Jul 05 03:11 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 48
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

11.267	11916	VV	0.040	119.161	* uncalibrated *
11.352	25085	VV	0.032	250.851	* uncalibrated *
11.485	65458	VV	0.049	654.579	* uncalibrated *
11.534	20452	VV	0.033	204.520	* uncalibrated *
11.569	11246	VV	0.027	112.455	* uncalibrated *
11.624	8990	VV	0.041	89.899	* uncalibrated *
11.711	19498	VV	0.036	194.978	* uncalibrated *
11.763	208228	VV	0.032	2082.281	* uncalibrated *
11.908	187123	VV	0.038	1871.233	* uncalibrated *
12.056	7220	VV	0.038	72.199	* uncalibrated *
12.167	29479	PV	0.052	294.790	* uncalibrated *
12.308	35956	PV	0.024	359.558	* uncalibrated *
12.358	244745	VBA	0.032	2447.454	* uncalibrated *

lot all calibrated peaks were found

==========



Data File Name	: C:\HPCHEM\1\DATA\vp070505\048R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 48
Sample Name	: 137346 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 06 Jul 05 03:11 AM	Instrument Method:	GAS1.MTH
Report Created on:	06 Jul 05 07:08 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\vp070505\049F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-15D x1
Run Time Bar Code: 137355
Acquired on : 06 Jul 05 03:36 AM
Report Created on: 06 Jul 05 07:08 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 49
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\vp070505\049F0101.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	* not found *			1		2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.930	2606	VV	0.039	1	0.277	Toluene
8.701	5811	PV	0.051	1	1.458	n-Nonane
8.858	17399	VV	0.052	1	1.701	EBenz, m-,p-Xylene
9.125	87839	VV	0.056	1	8.721	o-Xylene
9.403	128862	VV	0.033	1	496.376	BFB
9.811	181698	VV	0.097	1	19.338	1,2,4-Trimethylbenzene
11.214	77473	VV	0.040	1	18.280	Naphthalene
7.123	3616	VB	0.060		36.157	* uncalibrated *
7.403	4098	BV	0.062		40.983	* uncalibrated *
7.516	3537	VV	0.063		35.374	* uncalibrated *
7.744	5120	PV	0.056		51.196	* uncalibrated *
7.870	2001	VV	0.054		20.010	* uncalibrated *
7.986	3998	VV	0.047		39.979	* uncalibrated *
8.050	5862	VV	0.053		58.621	* uncalibrated *
8.130	5059	VV	0.061		50.592	* uncalibrated *
8.354	29692	VV	0.084		296.918	* uncalibrated *
8.458	14888	VV	0.045		148.876	* uncalibrated *
8.540	1365	VV	0.044		13.647	* uncalibrated *
8.787	21238	VV	0.051		212.376	* uncalibrated *
8.930	27489	VV	0.046		274.891	* uncalibrated *
9.022	38361	VV	0.064		383.611	* uncalibrated *
9.196	23129	VV	0.054		231.291	* uncalibrated *
9.311	6115	VV	0.037		61.151	* uncalibrated *
9.462	39011	VV	0.037		390.106	* uncalibrated *
9.511	81720	VV	0.054		817.203	* uncalibrated *
9.565	39393	VV	0.060		393.925	* uncalibrated *
9.644	27028	VV	0.042		270.276	* uncalibrated *
9.964	54682	VV	0.059		546.816	* uncalibrated *
10.074	144603	VV	0.064		1446.030	* uncalibrated *
10.173	173977	VV	0.081		1739.775	* uncalibrated *
10.323	74364	VV	0.051		743.639	* uncalibrated *
10.414	110810	VV	0.044		1108.104	* uncalibrated *
10.449	100532	VV	0.039		1005.316	* uncalibrated *
10.522	73398	VV	0.041		733.977	* uncalibrated *
10.579	95163	VV	0.046		951.626	* uncalibrated *
10.640	64397	VV	0.044		643.971	* uncalibrated *
10.683	32896	VV	0.029		328.958	* uncalibrated *
10.757	80338	VV	0.045		803.378	* uncalibrated *

10.804	96267	VV	0.042	962.667	* uncalibrated *
10.848	77418	VV	0.040	774.184	* uncalibrated *
10.971	267311	VV	0.090	2673.113	* uncalibrated *
11.077	112464	VV	0.060	1124.643	* uncalibrated *
11.166	93395	VV	0.044	933.952	* uncalibrated *
11.272	69731	VV	0.048	697.309	* uncalibrated *
11.351	114674	VV	0.053	1146.743	* uncalibrated *
11.411	47119	VV	0.031	471.192	* uncalibrated *
11.482	145757	VV	0.055	1457.568	* uncalibrated *
11.540	120489	VV	0.060	1204.886	* uncalibrated *
11.641	67317	VV	0.052	673.172	* uncalibrated *
11.710	66342	VV	0.046	663.416	* uncalibrated *
11.762	167477	VV	0.043	1674.772	* uncalibrated *
11.854	28630	VV	0.035	286.303	* uncalibrated *
11.909	91000	VV	0.046	909.998	* uncalibrated *
12.056	17207	VV	0.049	172.074	* uncalibrated *
12.169	22343	VV	0.059	223.427	* uncalibrated *
12.307	18921	PV	0.032	189.205	* uncalibrated *
12.357	73021	VBA	0.033	730.206	* 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\vp070505\049R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 49
Sample Name	: G161-2047-15D x1	Injection Number	: 1
Run Time Bar Code	: 137355	Sequence Line	: 1
Acquired on	: 06 Jul 05 03:36 AM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:08 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\vp070505\049R0101.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
6.275	1062	BB	0.122	1	0.0698	2,2,4-Trimethylpentane
6.606	1639	BB	0.077	1	0.0206	Benzene
7.930	6268	VV	0.050	1	0.154	Toluene
8.703	5167	PV	0.044	1	0.761	n-Nonane
8.851	19240	VV	0.048	1	0.569	ethbzene/m,p-xylene
9.128	145999	VV	0.078	1	3.769	o-Xylene
9.407	762360	VV	0.046	1	51.310	BFB(pid)
9.813	266106	VV	0.099	1	8.667	1,2,4-Trimethylbenzene
11.213	138798	VV	0.046	1	7.930	Naphthalene(pid)
2.140	206404	BV	0.115		2064.041	* uncalibrated *
2.679	728	VB	0.084		7.280	* uncalibrated *
7.002	1273	BV	0.114		12.733	* uncalibrated *
7.129	6450	VV	0.071		64.497	* uncalibrated *
7.408	3426	VV	0.078		34.262	* uncalibrated *
7.523	2819	VV	0.070		28.188	* uncalibrated *
7.747	6102	PV	0.053		61.020	* uncalibrated *
7.989	5080	VV	0.048		50.801	* uncalibrated *
8.059	5588	VV	0.057		55.875	* uncalibrated *
8.136	4427	VV	0.064		44.269	* uncalibrated *
8.354	37013	VV	0.081		370.132	* uncalibrated *
8.460	17431	VV	0.055		174.308	* uncalibrated *
8.788	24402	VV	0.050		244.019	* uncalibrated *
9.027	80708	VV	0.096		807.084	* uncalibrated *
9.313	9763	VV	0.044		97.634	* uncalibrated *
9.644	34153	VV	0.042		341.528	* uncalibrated *
9.970	99159	VV	0.078		991.591	* uncalibrated *
10.076	219333	VV	0.068		2193.325	* uncalibrated *
10.177	298385	VV	0.084		2983.845	* uncalibrated *
10.325	90368	VV	0.045		903.679	* uncalibrated *
10.451	350137	VV	0.071		3501.374	* uncalibrated *
10.525	144589	VV	0.042		1445.885	* uncalibrated *
10.579	172756	VV	0.048		1727.565	* uncalibrated *
10.641	142076	VV	0.061		1420.756	* uncalibrated *
10.759	139117	VV	0.056		1391.167	* uncalibrated *
10.807	298100	VV	0.073		2981.001	* uncalibrated *
10.970	478815	VV	0.093		4788.152	* uncalibrated *
11.088	205730	VV	0.071		2057.296	* uncalibrated *
11.167	173831	VV	0.044		1738.308	* uncalibrated *
11.276	131277	VV	0.048		1312.773	* uncalibrated *
11.352	290122	VV	0.074		2901.217	* uncalibrated *

11.482	264308	VV	0.059	2643.083	* uncalibrated *
11.555	215275	VV	0.070	2152.751	* uncalibrated *
11.637	110336	VV	0.058	1103.360	* uncalibrated *
11.763	500758	VV	0.062	5007.579	* uncalibrated *
11.909	206306	VV	0.052	2063.064	* uncalibrated *
12.051	28455	VV	0.051	284.551	* uncalibrated *
12.198	32954	PV	0.056	329.545	* uncalibrated *
12.308	28198	PV	0.031	281.976	* uncalibrated *
12.358	147991	VBA	0.034	1479.913	* uncalibrated *

Not all calibrated peaks were found

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External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\049F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137355 x1
un Time Bar Code:
cquired on : 06 Jul 05 03:36 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 49
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070505\049F0101.D

et 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
7.930	2606	VV	0.039	1	0.277	Toluene
8.701	5811	PV	0.051	1	1.458	n-Nonane
8.858	17399	VV	0.052	1	1.701	EBenz, m-,p-Xylene
9.125	87839	VV	0.056	1	8.721	o-Xylene
9.403	128862	VV	0.033	1	496.376	BFB
9.811	181698	VV	0.097	1	19.338	1,2,4-Trimethylbenzene
11.214	77473	VV	0.040	1	18.280	Naphthalene
7.123	3616	VB	0.060		36.157	* uncalibrated *
7.403	4098	BV	0.062		40.983	* uncalibrated *
7.516	3537	VV	0.063		35.374	* uncalibrated *
7.744	5120	PV	0.056		51.196	* uncalibrated *
7.870	2001	VV	0.054		20.010	* uncalibrated *
7.986	3998	VV	0.047		39.979	* uncalibrated *
8.050	5862	VV	0.053		58.621	* uncalibrated *
8.130	5059	VV	0.061		50.592	* uncalibrated *
8.354	29692	VV	0.084		296.918	* uncalibrated *
8.458	14888	VV	0.045		148.876	* uncalibrated *
8.540	1365	VV	0.044		13.647	* uncalibrated *
8.787	21238	VV	0.051		212.376	* uncalibrated *
8.930	27489	VV	0.046		274.891	* uncalibrated *
9.022	38361	VV	0.064		383.611	* uncalibrated *
9.196	23129	VV	0.054		231.291	* uncalibrated *
9.311	6115	VV	0.037		61.151	* uncalibrated *
9.462	39011	VV	0.037		390.106	* uncalibrated *
9.511	81720	VV	0.054		817.203	* uncalibrated *
9.565	39393	VV	0.060		393.925	* uncalibrated *
9.644	27028	VV	0.042		270.276	* uncalibrated *
9.964	54682	VV	0.059		546.816	* uncalibrated *
10.074	144603	VV	0.064		1446.030	* uncalibrated *
10.173	173977	VV	0.081		1739.775	* uncalibrated *
10.323	74364	VV	0.051		743.639	* uncalibrated *
10.414	110810	VV	0.044		1108.104	* uncalibrated *
10.449	100532	VV	0.039		1005.316	* uncalibrated *
10.522	73398	VV	0.041		733.977	* uncalibrated *
10.579	95163	VV	0.046		951.626	* uncalibrated *
10.640	64397	VV	0.044		643.971	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070505\049F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137355 x1
un Time Bar Code:
cquired on : 06 Jul 05 03:36 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 49
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.683	32896	VV	0.029	328.958	* uncalibrated *
10.757	80338	VV	0.045	803.378	* uncalibrated *
10.804	96267	VV	0.042	962.667	* uncalibrated *
10.848	77418	VV	0.040	774.184	* uncalibrated *
10.971	267311	VV	0.090	2673.113	* uncalibrated *
11.077	112464	VV	0.060	1124.643	* uncalibrated *
11.166	93395	VV	0.044	933.952	* uncalibrated *
11.272	69731	VV	0.048	697.309	* uncalibrated *
11.351	114674	VV	0.053	1146.743	* uncalibrated *
11.411	47119	VV	0.031	471.192	* uncalibrated *
11.482	145757	VV	0.055	1457.568	* uncalibrated *
11.540	120489	VV	0.060	1204.886	* uncalibrated *
11.641	67317	VV	0.052	673.172	* uncalibrated *
11.710	66342	VV	0.046	663.416	* uncalibrated *
11.762	167477	VV	0.043	1674.772	* uncalibrated *
11.854	28630	VV	0.035	286.303	* uncalibrated *
11.909	91000	VV	0.046	909.998	* uncalibrated *
12.056	17207	VV	0.049	172.074	* uncalibrated *
12.169	22343	VV	0.059	223.427	* uncalibrated *
12.307	18921	PV	0.032	189.205	* uncalibrated *
12.357	73021	VBA	0.033	730.206	* uncalibrated *

alibration table contains at least one peak with amt = 0

ot all calibrated peaks were found

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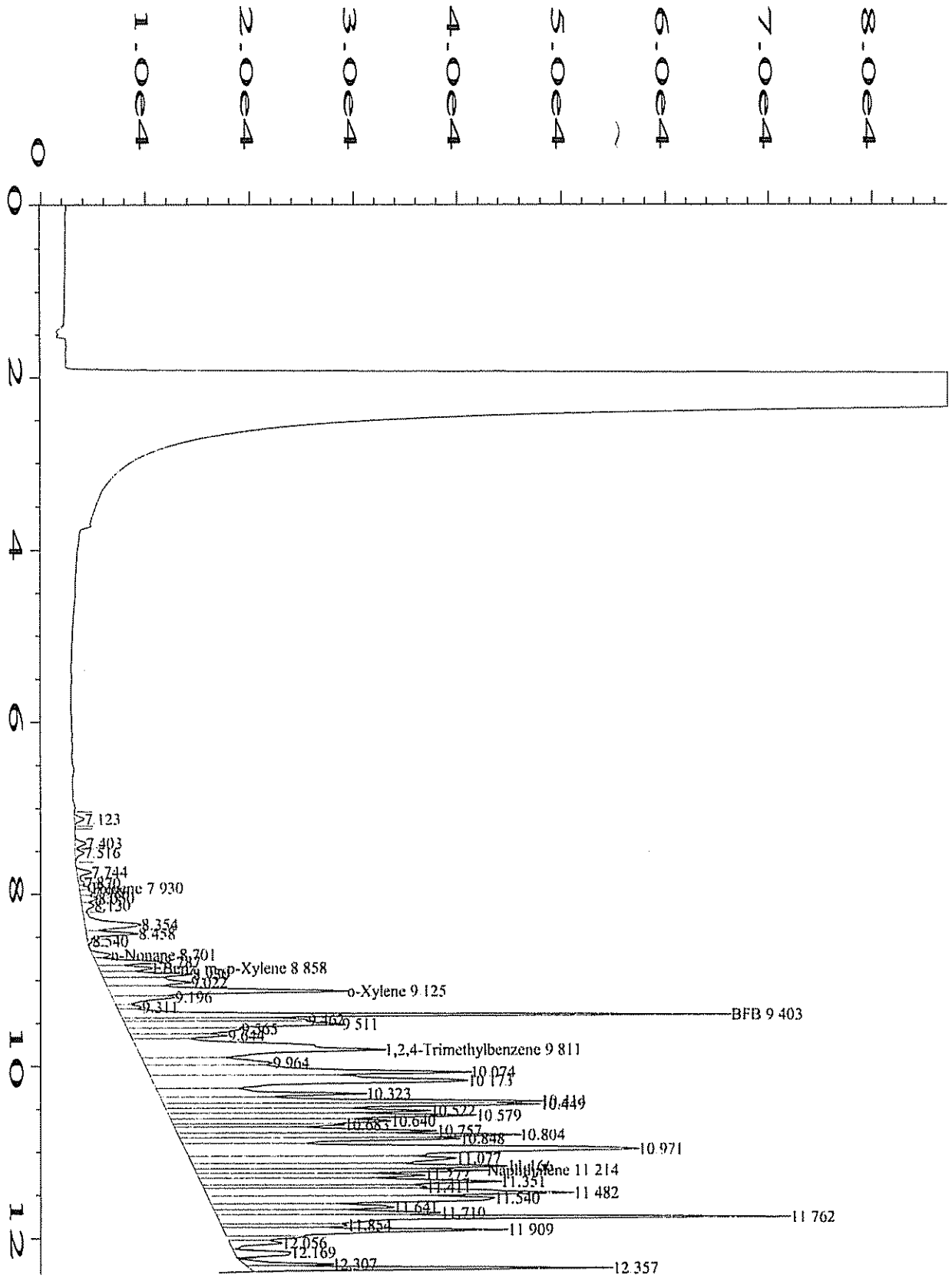

ata File Name	: C:\HPCHEM\1\DATA\vp070505\049F0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 49
ample Name	: 137355 x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 06 Jul 05 03:36 AM	Instrument Method:	GAS1.MTH
eport Created on:	06 Jul 05 07:08 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\049R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137355 x1
un Time Bar Code:
cquired on : 06 Jul 05 03:36 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 49
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\vp070505\049R0101.D

et 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
6.275	1062	BB	0.122	1	0.0698	2,2,4-Trimethylpentane
6.606	1639	BB	0.077	1	0.0206	Benzene
7.930	6268	VV	0.050	1	0.154	Toluene
8.703	5167	PV	0.044	1	0.761	n-Nonane
8.851	19240	VV	0.048	1	0.569	ethbzene/m,p-xylene
9.128	145999	VV	0.078	1	3.769	o-Xylene
9.407	762360	VV	0.046	1	51.310	BFB(pid)
9.813	266106	VV	0.099	1	8.667	1,2,4-Trimethylbenzene
11.213	138798	VV	0.046	1	7.930	Naphthalene(pid)
2.140	206404	BV	0.115		2064.041	* uncalibrated *
2.679	728	VB	0.084		7.280	* uncalibrated *
7.002	1273	BV	0.114		12.733	* uncalibrated *
7.129	6450	VV	0.071		64.497	* uncalibrated *
7.408	3426	VV	0.078		34.262	* uncalibrated *
7.523	2819	VV	0.070		28.188	* uncalibrated *
7.747	6102	PV	0.053		61.020	* uncalibrated *
7.989	5080	VV	0.048		50.801	* uncalibrated *
8.059	5588	VV	0.057		55.875	* uncalibrated *
8.136	4427	VV	0.064		44.269	* uncalibrated *
8.354	37013	VV	0.081		370.132	* uncalibrated *
8.460	17431	VV	0.055		174.308	* uncalibrated *
8.788	24402	VV	0.050		244.019	* uncalibrated *
9.027	80708	VV	0.096		807.084	* uncalibrated *
9.313	9763	VV	0.044		97.634	* uncalibrated *
9.644	34153	VV	0.042		341.528	* uncalibrated *
9.970	99159	VV	0.078		991.591	* uncalibrated *
10.076	219333	VV	0.068		2193.325	* uncalibrated *
10.177	298385	VV	0.084		2983.845	* uncalibrated *
10.325	90368	VV	0.045		903.679	* uncalibrated *
10.451	350137	VV	0.071		3501.374	* uncalibrated *
10.525	144589	VV	0.042		1445.885	* uncalibrated *
10.579	172756	VV	0.048		1727.565	* uncalibrated *
10.641	142076	VV	0.061		1420.756	* uncalibrated *
10.759	139117	VV	0.056		1391.167	* uncalibrated *
10.807	298100	VV	0.073		2981.001	* uncalibrated *
10.970	478815	VV	0.093		4788.152	* uncalibrated *
11.088	205730	VV	0.071		2057.296	* uncalibrated *
11.167	173831	VV	0.044		1738.308	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070505\049R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137355 x1
an Time Bar Code:
cquired on : 06 Jul 05 03:36 AM
eport Created on: 06 Jul 05 07:08 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 49
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

11.276	131277	VV	0.048	1312.773	* uncalibrated *
11.352	290122	VV	0.074	2901.217	* uncalibrated *
11.482	264308	VV	0.059	2643.083	* uncalibrated *
11.555	215275	VV	0.070	2152.751	* uncalibrated *
11.637	110336	VV	0.058	1103.360	* uncalibrated *
11.763	500758	VV	0.062	5007.579	* uncalibrated *
11.909	206306	VV	0.052	2063.064	* uncalibrated *
12.051	28455	VV	0.051	284.551	* uncalibrated *
12.198	32954	PV	0.056	329.545	* uncalibrated *
12.308	28198	PV	0.031	281.976	* uncalibrated *
12.358	147991	VBA	0.034	1479.913	* uncalibrated *

lot all calibrated peaks were found

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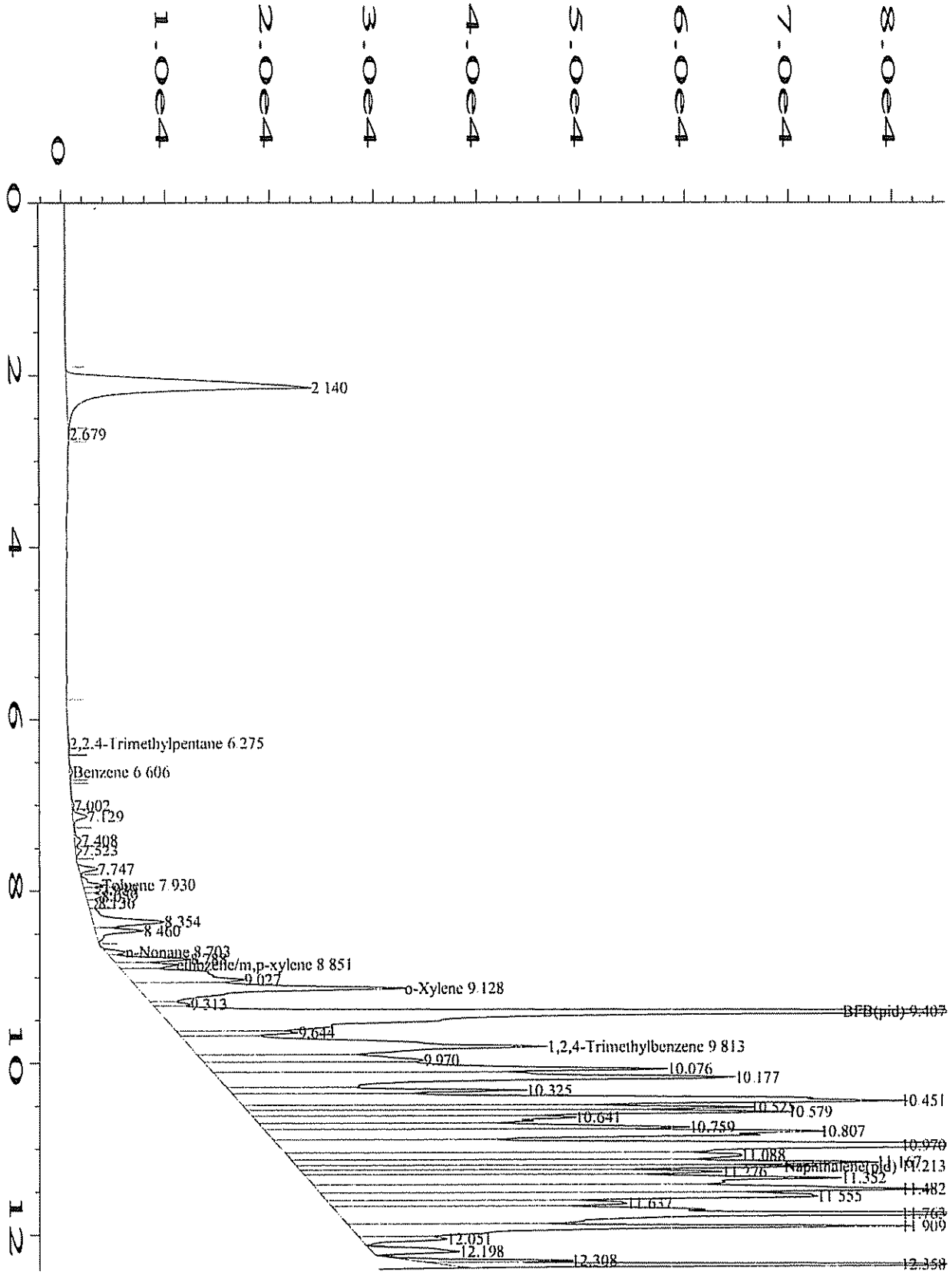


Data File Name	: C:\HPCHEM\1\DATA\vp070505\049R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 49
Sample Name	: 137355 x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 06 Jul 05 03:36 AM	Instrument Method:	GAS1.MTH
Report Created on:	06 Jul 05 07:08 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\vp070505\030F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 30
Sample Name	: G161-2047-16D x1	Injection Number	: 1
Run Time Bar Code	: 137361	Sequence Line	: 1
Acquired on	: 05 Jul 05 07:37 PM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:07 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\vp070505\030F0101.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	* not found *			1		2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.925	2587	VV	0.057	1	0.275	Toluene
8.684	4369	PV	0.049	1	1.096	n-Nonane
8.844	3594	VV	0.045	1	0.351	EBenz, m-,p-Xylene
9.133	7333	VV	0.059	1	0.728	o-Xylene
9.402	97544	VV	0.029	1	375.739	BFB
9.762	10317	VV	0.060	1	1.098	1,2,4-Trimethylbenzene
11.211	6038	VV	0.039	1	1.425	Naphthalene
7.399	2789	VV	0.068		27.886	* uncalibrated *
7.516	2847	VB	0.078		28.467	* uncalibrated *
7.795	1518	BV	0.047		15.182	* uncalibrated *
8.132	1189	VV	0.059		11.889	* uncalibrated *
8.384	5355	PV	0.056		53.551	* uncalibrated *
8.459	3805	VV	0.056		38.052	* uncalibrated *
8.796	1918	VV	0.043		19.179	* uncalibrated *
8.933	2152	VV	0.062		21.516	* uncalibrated *
9.204	2587	VV	0.046		25.872	* uncalibrated *
9.524	7266	VV	0.065		72.661	* uncalibrated *
9.688	2591	VV	0.057		25.914	* uncalibrated *
10.002	5047	VV	0.041		50.470	* uncalibrated *
10.080	4277	VV	0.033		42.767	* uncalibrated *
10.114	5321	VV	0.037		53.207	* uncalibrated *
10.281	3471	VV	0.041		34.708	* uncalibrated *
10.325	7281	VV	0.043		72.812	* uncalibrated *
10.398	3814	VV	0.044		38.136	* uncalibrated *
10.555	12932	VV	0.049		129.321	* uncalibrated *
10.587	6512	VV	0.036		65.117	* uncalibrated *
10.646	4583	VV	0.036		45.832	* uncalibrated *
10.705	3873	VV	0.045		38.729	* uncalibrated *
10.760	5731	VV	0.039		57.307	* uncalibrated *
10.805	7058	VV	0.038		70.584	* uncalibrated *
10.854	8178	VV	0.047		81.783	* uncalibrated *
10.977	16790	VV	0.064		167.903	* uncalibrated *
11.057	12098	VV	0.060		120.982	* uncalibrated *
11.265	5499	VV	0.052		54.992	* uncalibrated *
11.351	6404	VV	0.040		64.040	* uncalibrated *
11.408	3235	VV	0.036		32.350	* uncalibrated *
11.481	7462	VV	0.051		74.618	* uncalibrated *
11.530	5764	VV	0.049		57.641	* uncalibrated *

11.708	2018 VV	0.042	20.180	* uncalibrated *
11.761	6478 VV	0.039	64.782	* uncalibrated *
11.907	3164 VV	0.043	31.637	* 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\vp070505\030R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-16D x1
Run Time Bar Code: 137361
Acquired on : 05 Jul 05 07:37 PM
Report Created on: 06 Jul 05 07:07 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 30
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\vp070505\030R0101.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
6.312	* not found *			1		2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.928	3863	VV	0.047	1	0.0947	Toluene
8.689	2717	PV	0.055	1	0.400	n-Nonane
8.844	5488	VV	0.042	1	0.162	ethbzene/m,p-xylene
9.133	8501	VV	0.076	1	0.219	o-Xylene
9.405	454302	VV	0.033	1	30.577	BFB(pid)
9.763	12625	VV	0.054	1	0.411	1,2,4-Trimethylbenzene
11.211	9767	VV	0.038	1	0.558	Naphthalene(pid)
2.144	218681	BV	0.112		2186.807	* uncalibrated *
2.692	1918	VB	0.110		19.182	* uncalibrated *
7.403	2258	VV	0.071		22.584	* uncalibrated *
7.523	2083	VB	0.084		20.834	* uncalibrated *
8.385	4219	PV	0.064		42.185	* uncalibrated *
8.462	3197	VV	0.061		31.974	* uncalibrated *
8.800	2275	VV	0.040		22.747	* uncalibrated *
8.955	1966	VV	0.060		19.661	* uncalibrated *
9.207	2310	VV	0.053		23.099	* uncalibrated *
9.526	11959	VV	0.060		119.591	* uncalibrated *
9.689	3849	VV	0.059		38.486	* uncalibrated *
10.008	5621	VV	0.049		56.206	* uncalibrated *
10.082	5134	VV	0.034		51.341	* uncalibrated *
10.115	8447	VV	0.038		84.465	* uncalibrated *
10.183	4836	VV	0.056		48.364	* uncalibrated *
10.278	4658	VV	0.042		46.581	* uncalibrated *
10.325	8558	VV	0.041		85.579	* uncalibrated *
10.403	4100	VV	0.043		40.996	* uncalibrated *
10.449	2568	VV	0.033		25.681	* uncalibrated *
10.521	7178	VV	0.033		71.778	* uncalibrated *
10.563	10756	VV	0.037		107.564	* uncalibrated *
10.585	8984	VV	0.033		89.837	* uncalibrated *
10.648	5807	VV	0.036		58.070	* uncalibrated *
10.707	5152	VV	0.038		51.521	* uncalibrated *
10.761	8360	VV	0.039		83.596	* uncalibrated *
10.805	9898	VV	0.039		98.983	* uncalibrated *
10.854	7744	VV	0.036		77.445	* uncalibrated *
10.979	25418	VV	0.067		254.184	* uncalibrated *
11.069	21977	VV	0.081		219.766	* uncalibrated *
11.266	7746	VV	0.048		77.458	* uncalibrated *
11.352	9838	VV	0.041		98.382	* uncalibrated *

11.411	3975	VV	0.034	39.748	* uncalibrated *
11.482	11275	VV	0.051	112.753	* uncalibrated *
11.532	5041	VV	0.036	50.409	* uncalibrated *
11.711	2713	VV	0.041	27.132	* uncalibrated *
11.762	11984	VV	0.038	119.842	* uncalibrated *
11.908	6025	VV	0.043	60.250	* uncalibrated *
12.201	1480	PV	0.055	14.799	* uncalibrated *
12.309	228	PV	0.024	2.278	* uncalibrated *
12.358	1712	VBA	0.035	17.118	* uncalibrated *

Not all calibrated peaks were found

==========

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\030F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137361 x1
an Time Bar Code:
cquired on : 05 Jul 05 07:37 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 30
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070505\030F0101.D

et 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
7.925	2587	VV	0.057	1	0.275	Toluene
8.684	4369	PV	0.049	1	1.096	n-Nonane
8.844	3594	VV	0.045	1	0.351	EBenz, m-,p-Xylene
9.133	7333	VV	0.059	1	0.728	o-Xylene
9.402	97544	VV	0.029	1	375.739	BFB
9.762	10317	VV	0.060	1	1.098	1,2,4-Trimethylbenzene
11.211	6038	VV	0.039	1	1.425	Naphthalene
7.399	2789	VV	0.068		27.886	* uncalibrated *
7.516	2847	VB	0.078		28.467	* uncalibrated *
7.795	1518	BV	0.047		15.182	* uncalibrated *
8.132	1189	VV	0.059		11.889	* uncalibrated *
8.384	5355	PV	0.056		53.551	* uncalibrated *
8.459	3805	VV	0.056		38.052	* uncalibrated *
8.796	1918	VV	0.043		19.179	* uncalibrated *
8.933	2152	VV	0.062		21.516	* uncalibrated *
9.204	2587	VV	0.046		25.872	* uncalibrated *
9.524	7266	VV	0.065		72.661	* uncalibrated *
9.688	2591	VV	0.057		25.914	* uncalibrated *
10.002	5047	VV	0.041		50.470	* uncalibrated *
10.080	4277	VV	0.033		42.767	* uncalibrated *
10.114	5321	VV	0.037		53.207	* uncalibrated *
10.281	3471	VV	0.041		34.708	* uncalibrated *
10.325	7281	VV	0.043		72.812	* uncalibrated *
10.398	3814	VV	0.044		38.136	* uncalibrated *
10.555	12932	VV	0.049		129.321	* uncalibrated *
10.587	6512	VV	0.036		65.117	* uncalibrated *
10.646	4583	VV	0.036		45.832	* uncalibrated *
10.705	3873	VV	0.045		38.729	* uncalibrated *
10.760	5731	VV	0.039		57.307	* uncalibrated *
10.805	7058	VV	0.038		70.584	* uncalibrated *
10.854	8178	VV	0.047		81.783	* uncalibrated *
10.977	16790	VV	0.064		167.903	* uncalibrated *
11.057	12098	VV	0.060		120.982	* uncalibrated *
11.265	5499	VV	0.052		54.992	* uncalibrated *
11.351	6404	VV	0.040		64.040	* uncalibrated *
11.408	3235	VV	0.036		32.350	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070505\030F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137361 x1
un Time Bar Code:
cquired on : 05 Jul 05 07:37 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

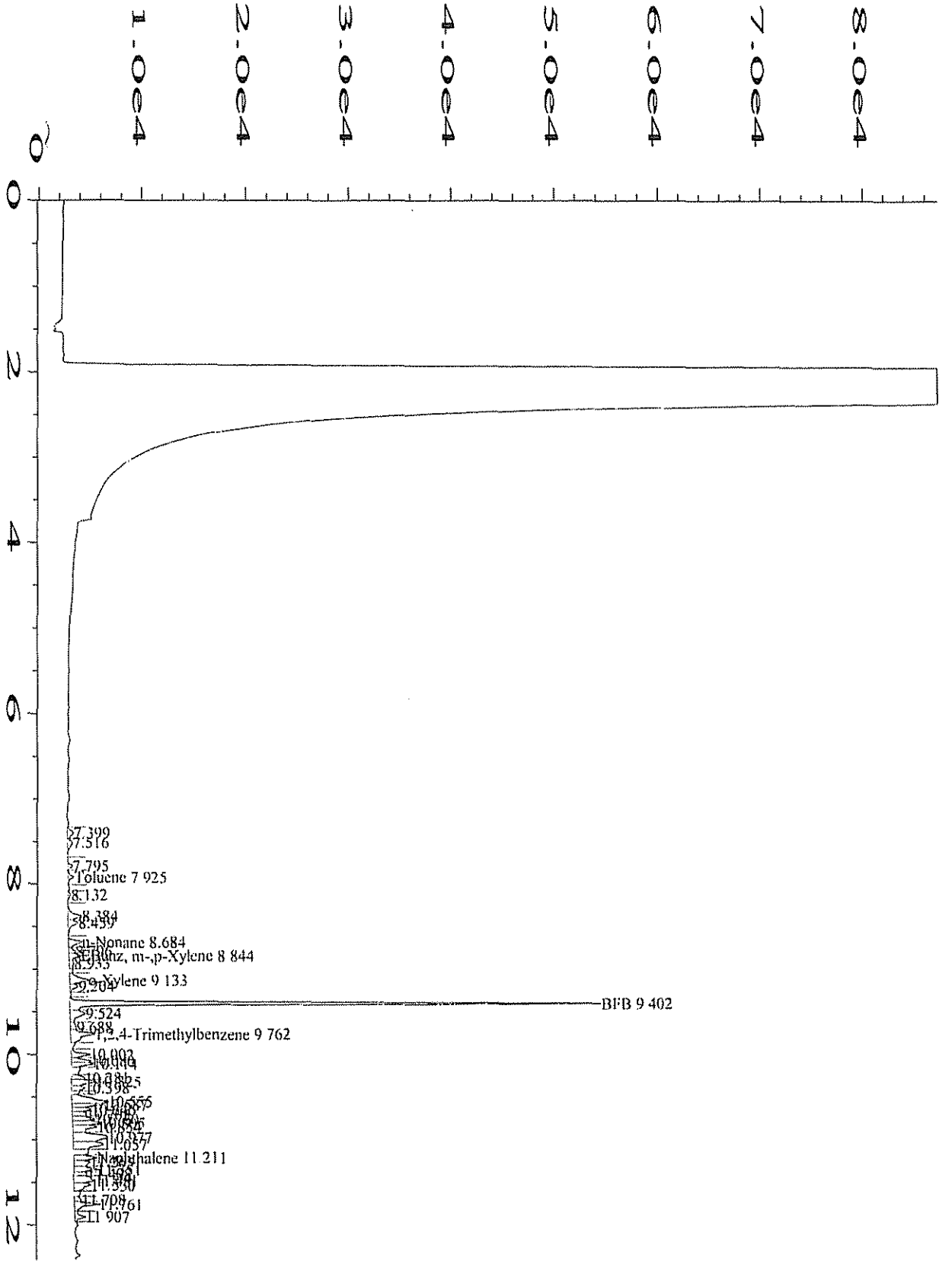
Page Number : 2
Vial Number : 30
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

11.481	7462	VV	0.051	74.618	* uncalibrated *
11.530	5764	VV	0.049	57.641	* uncalibrated *
11.708	2018	VV	0.042	20.180	* uncalibrated *
11.761	6478	VV	0.039	64.782	* uncalibrated *
11.907	3164	VV	0.043	31.637	* uncalibrated *

alibration table contains at least one peak with amt = 0

ot all calibrated peaks were found

==========



ata File Name	: C:\HPCHEM\1\DATA\vp070505\030F0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 30
ample Name	: 137361 x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 05 Jul 05 07:37 PM	Instrument Method	: GAS1.MTH
eport Created on	: 06 Jul 05 07:07 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

ata File Name : C:\HPCHEM\1\DATA\vp070505\030R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137361 x1
un Time Bar Code:
cquired on : 05 Jul 05 07:37 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 30
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\vp070505\030R0101.D

et 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
7.928	3863	VV	0.047	1	0.0947	Toluene
8.689	2717	PV	0.055	1	0.400	n-Nonane
8.844	5488	VV	0.042	1	0.162	ethbzene/m,p-xylene
9.133	8501	VV	0.076	1	0.219	o-Xylene
9.405	454302	VV	0.033	1	30.577	BFB(pid)
9.763	12625	VV	0.054	1	0.411	1,2,4-Trimethylbenzene
11.211	9767	VV	0.038	1	0.558	Naphthalene(pid)
2.144	218681	BV	0.112		2186.807	* uncalibrated *
2.692	1918	VB	0.110		19.182	* uncalibrated *
7.403	2258	VV	0.071		22.584	* uncalibrated *
7.523	2083	VB	0.084		20.834	* uncalibrated *
8.385	4219	PV	0.064		42.185	* uncalibrated *
8.462	3197	VV	0.061		31.974	* uncalibrated *
8.800	2275	VV	0.040		22.747	* uncalibrated *
8.955	1966	VV	0.060		19.661	* uncalibrated *
9.207	2310	VV	0.053		23.099	* uncalibrated *
9.526	11959	VV	0.060		119.591	* uncalibrated *
9.689	3849	VV	0.059		38.486	* uncalibrated *
10.008	5621	VV	0.049		56.206	* uncalibrated *
10.082	5134	VV	0.034		51.341	* uncalibrated *
10.115	8447	VV	0.038		84.465	* uncalibrated *
10.183	4836	VV	0.056		48.364	* uncalibrated *
10.278	4658	VV	0.042		46.581	* uncalibrated *
10.325	8558	VV	0.041		85.579	* uncalibrated *
10.403	4100	VV	0.043		40.996	* uncalibrated *
10.449	2568	VV	0.033		25.681	* uncalibrated *
10.521	7178	VV	0.033		71.778	* uncalibrated *
10.563	10756	VV	0.037		107.564	* uncalibrated *
10.585	8984	VV	0.033		89.837	* uncalibrated *
10.648	5807	VV	0.036		58.070	* uncalibrated *
10.707	5152	VV	0.038		51.521	* uncalibrated *
10.761	8360	VV	0.039		83.596	* uncalibrated *
10.805	9898	VV	0.039		98.983	* uncalibrated *
10.854	7744	VV	0.036		77.445	* uncalibrated *
10.979	25418	VV	0.067		254.184	* uncalibrated *
11.069	21977	VV	0.081		219.766	* uncalibrated *

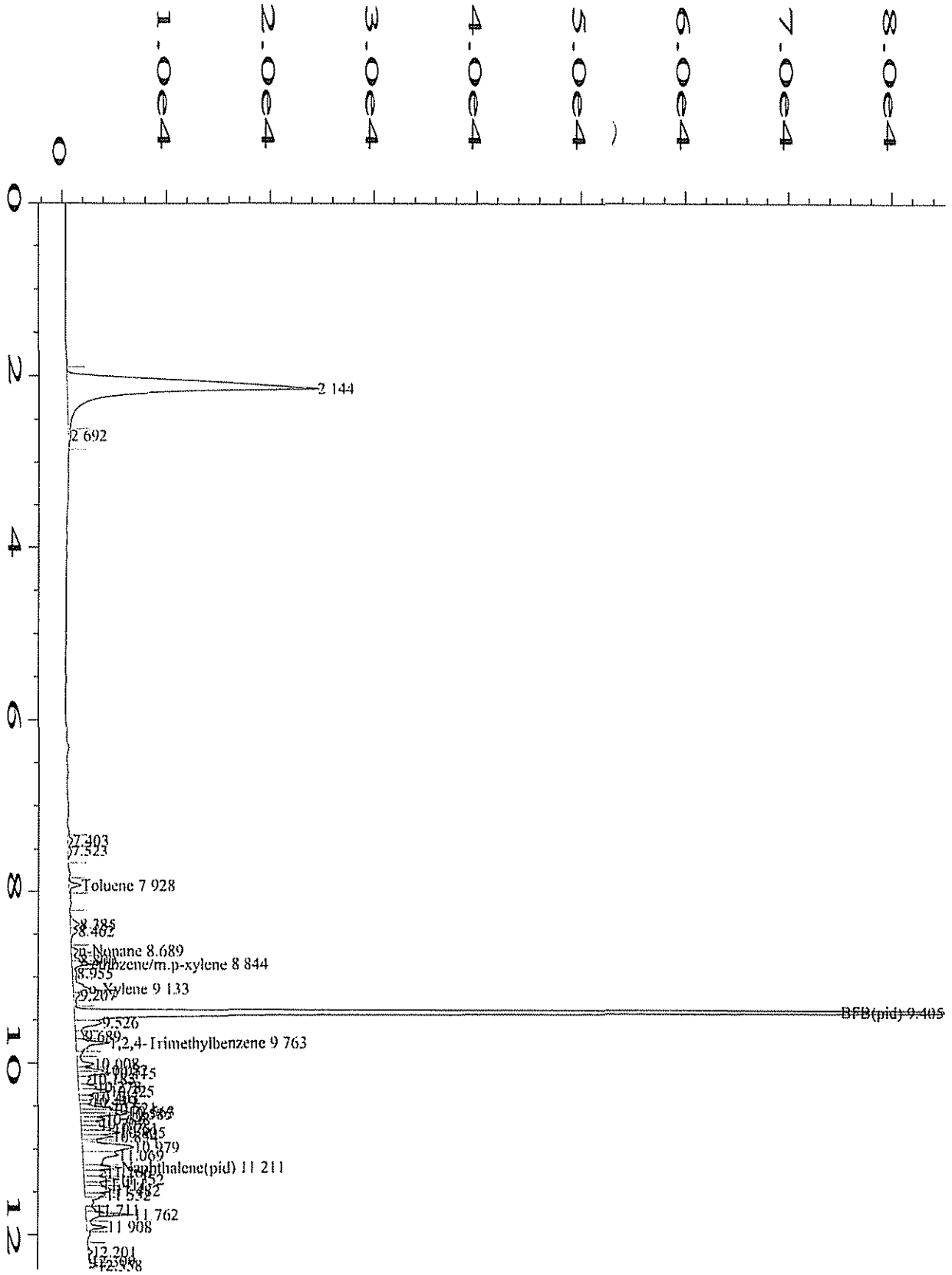
ata File Name : C:\HPCHEM\1\DATA\vp070505\030R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137361 x1
un Time Bar Code:
cquired on : 05 Jul 05 07:37 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 30
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

11.266	7746	VV	0.048	77.458	* uncalibrated *
11.352	9838	VV	0.041	98.382	* uncalibrated *
11.411	3975	VV	0.034	39.748	* uncalibrated *
11.482	11275	VV	0.051	112.753	* uncalibrated *
11.532	5041	VV	0.036	50.409	* uncalibrated *
11.711	2713	VV	0.041	27.132	* uncalibrated *
11.762	11984	VV	0.038	119.842	* uncalibrated *
11.908	6025	VV	0.043	60.250	* uncalibrated *
12.201	1480	PV	0.055	14.799	* uncalibrated *
12.309	228	PV	0.024	2.278	* uncalibrated *
12.358	1712	VBA	0.035	17.118	* uncalibrated *

ot all calibrated peaks were found

==========



ata File Name : C:\HPCHEM\1\DATA\vp070505\030R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137361 x1
un Time Bar Code:
cquired on : 05 Jul 05 07:37 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 30
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

VPH Calibration Raw Data

External Standard Report

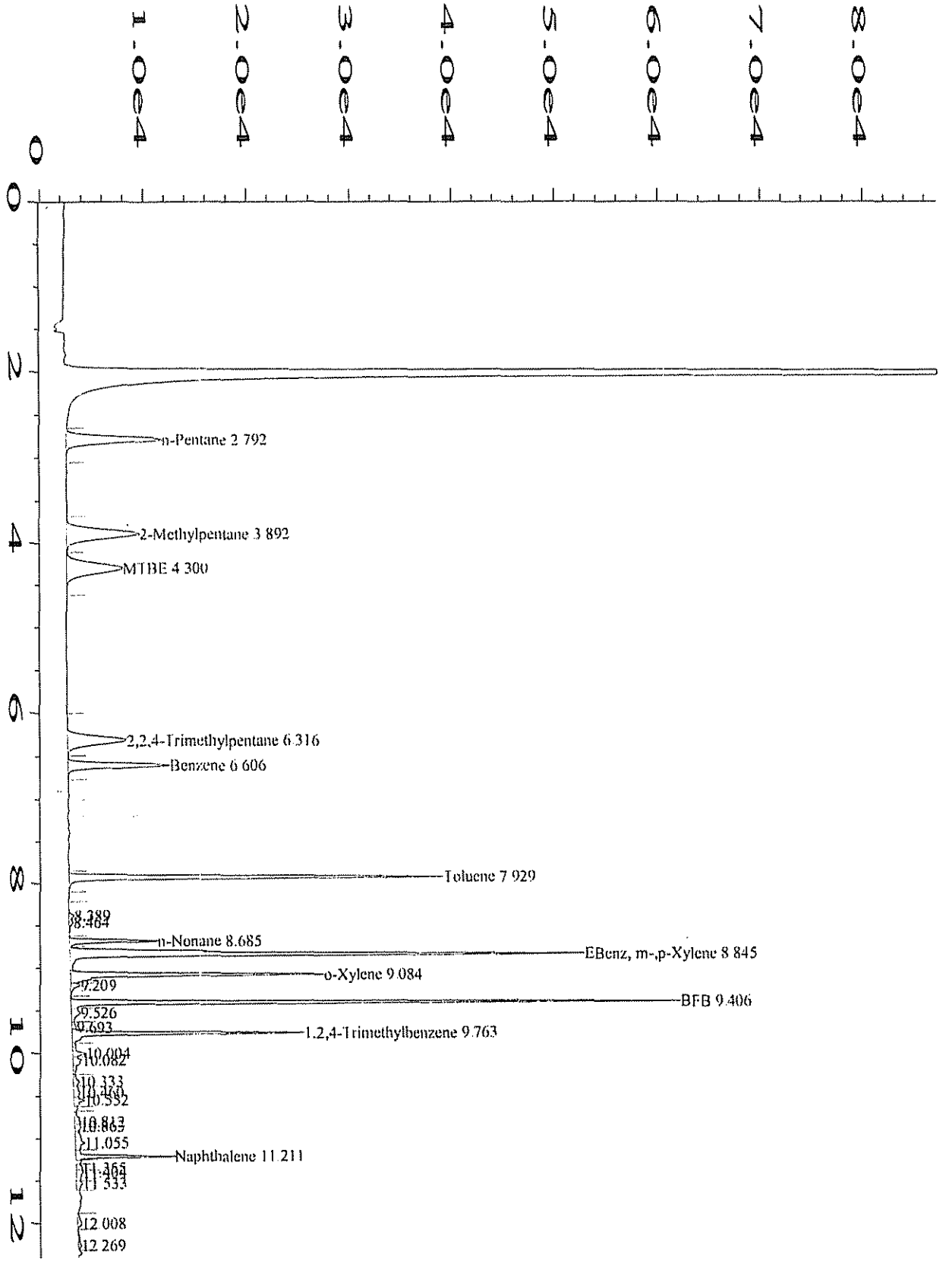
ata File Name : C:\HPCHEM\1\DATA\vp060805\003F0101.D
perator : DCS
nstrument : FID/PID
ample Name : v10
un Time Bar Code:
cquired on : 08 Jun 05 11:43 AM
eport Created on: 13 Jul 05 04:37 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

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 :

ig. 1 in C:\HPCHEM\1\DATA\vp060805\003F0101.D

et 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 *

:alibration 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 04:37 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

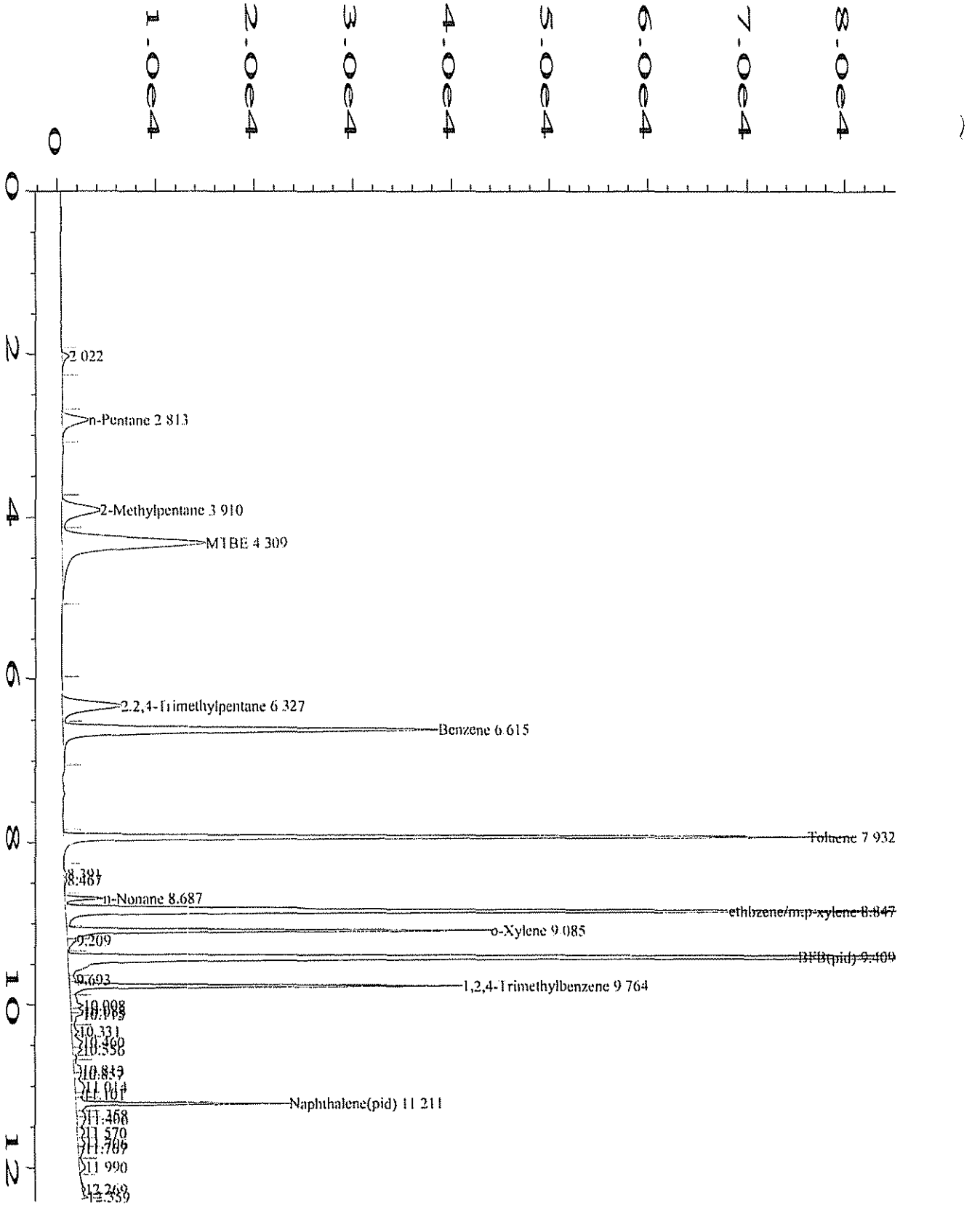
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp060805\003R0101.D
perator : DCS
nstrument : FID/PID
ample Name : v10
un Time Bar Code:
cquired on : 08 Jun 05 11:43 AM
eport Created on: 13 Jul 05 04:37 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 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 :

ig. 2 in C:\HPCHEM\1\DATA\vp060805\003R0101.D

et 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 04:37 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

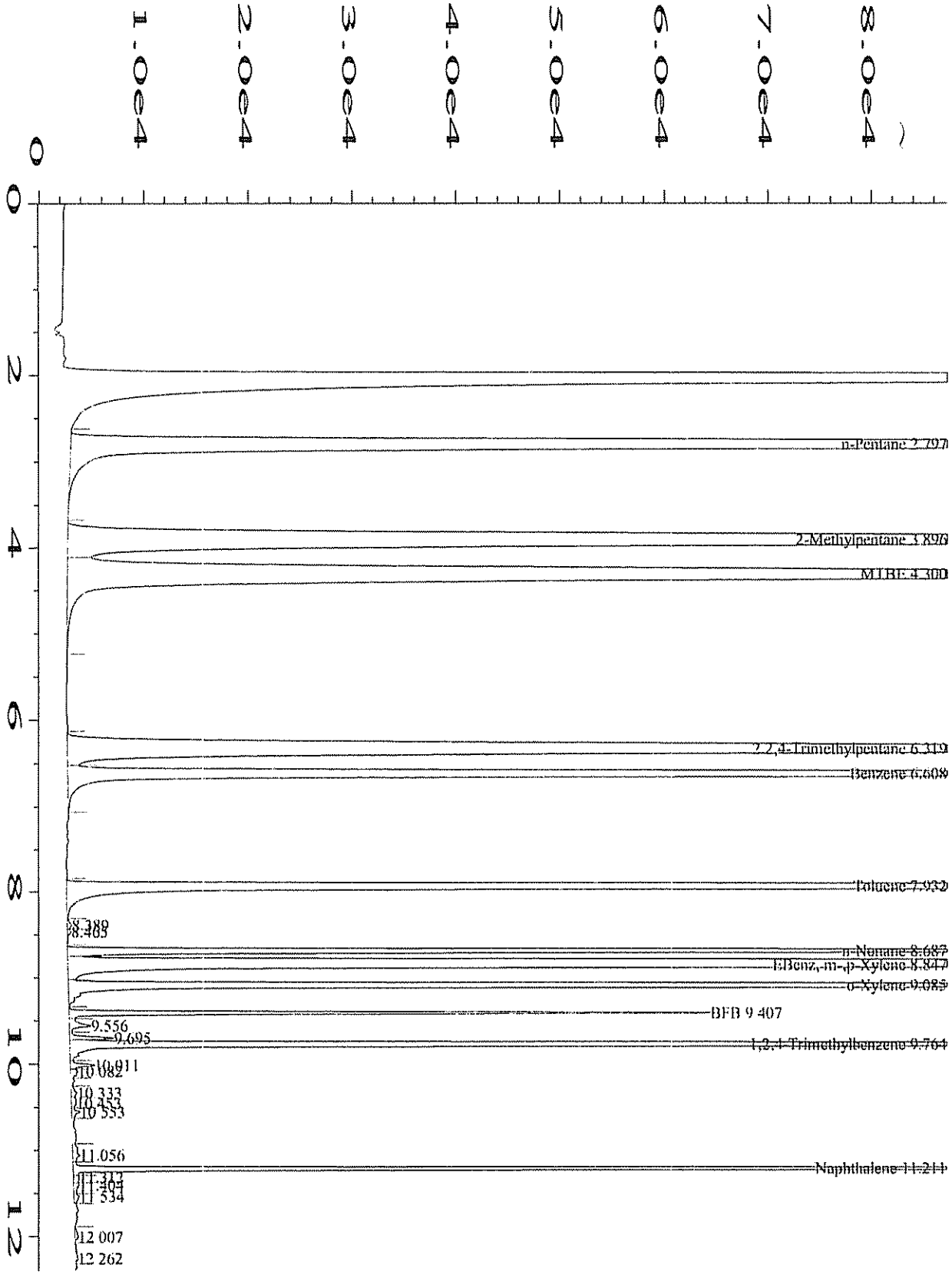
ata File Name : C:\HPCHEM\1\DATA\vp060805\004F0101.D
perator : DCS
nstrument : FID/PID
ample Name : v250
un Time Bar Code:
cquired on : 08 Jun 05 12:08 PM
eport Created on: 13 Jul 05 04:37 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

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 :

ig. 1 in C:\HPCHEM\1\DATA\vp060805\004F0101.D

et 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 *

alibration table contains at least one peak with amt = 0



ata File Name	: C:\HPCHEM\1\DATA\vp060805\004F0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 4
ample Name	: v250	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 08 Jun 05 12:08 PM	Instrument Method:	GAS1.MTH
eport Created on:	13 Jul 05 04:37 PM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

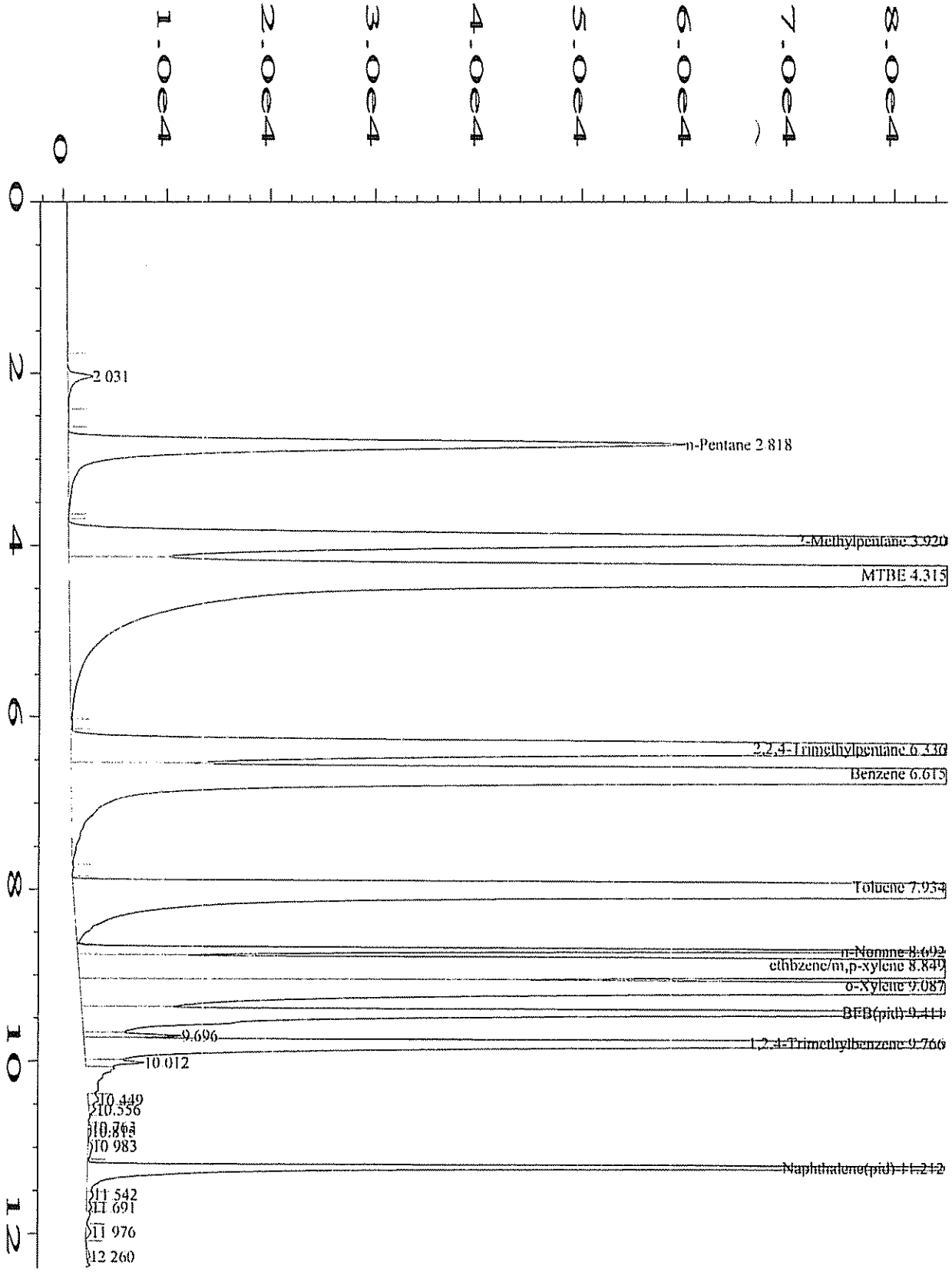
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp060805\004R0101.D
perator): DCS
nstrument : FID/PID
ample Name : v250
un Time Bar Code:
cquired on : 08 Jun 05 12:08 PM
eport Created on: 13 Jul 05 04:37 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 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 :

ig. 2 in C:\HPCHEM\1\DATA\vp060805\004R0101.D

et 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 *



ata File Name	: C:\HPCHEM\1\DATA\vp060805\004R0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 4
ample Name	: v250	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 08 Jun 05 12:08 PM	Instrument Method	: GAS1.MTH
eport Created on	: 13 Jul 05 04:37 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

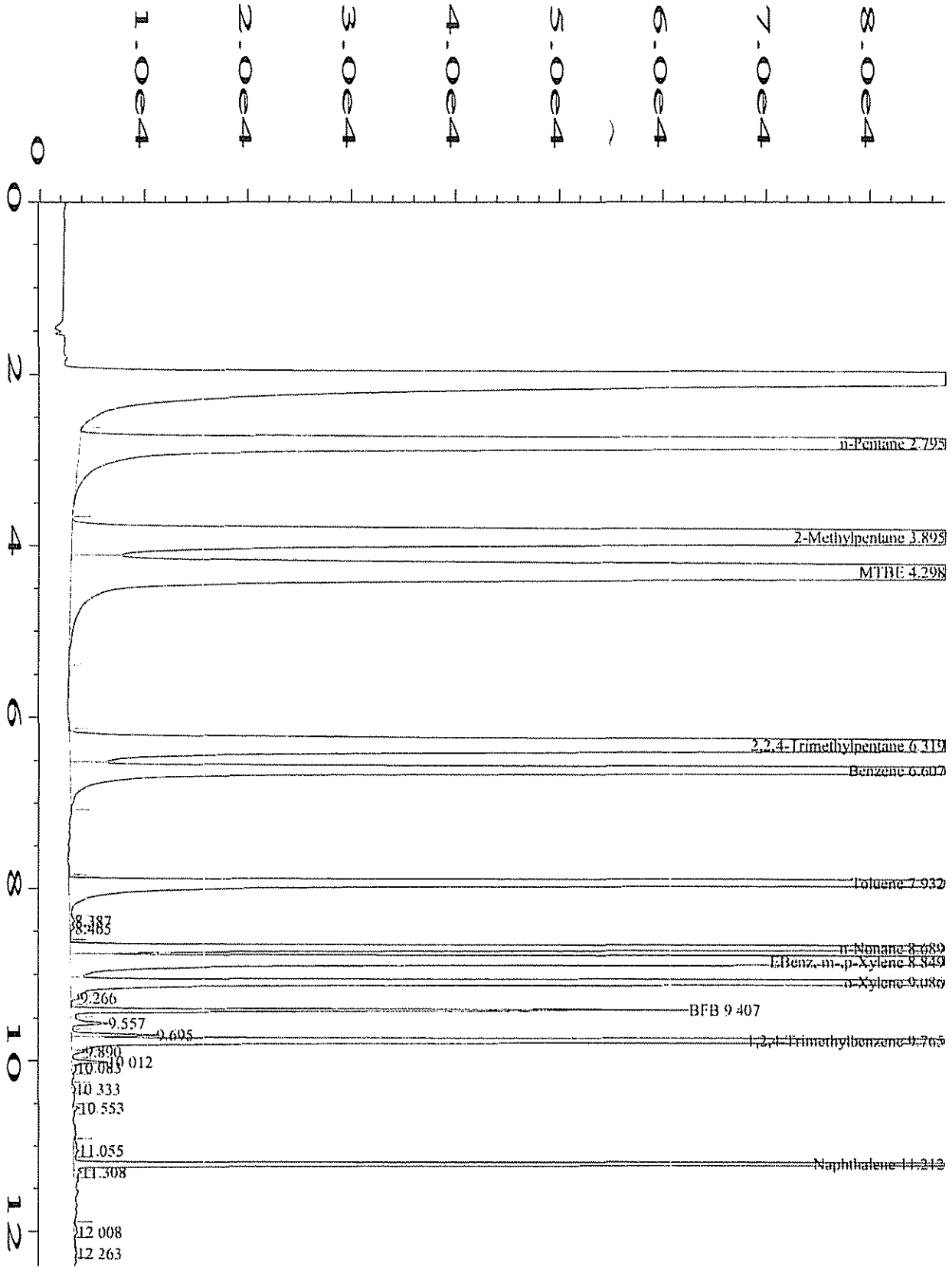
ata File Name : C:\HPCHEM\1\DATA\vp060805\005F0101.D
perator : DCS
nstrument : FID/PID
ample Name : v500
un Time Bar Code:
cquired on : 08 Jun 05 12:33 PM
eport Created on: 13 Jul 05 04:37 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

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 :

ig. 1 in C:\HPCHEM\1\DATA\vp060805\005F0101.D

et 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 *

'alibration table contains at least one peak with amt = 0



ata File Name	: C:\HPCHEM\1\DATA\vp060805\005F0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 5
ample Name	: v500	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 08 Jun 05 12:33 PM	Instrument Method:	GAS1.MTH
eport Created on:	13 Jul 05 04:37 PM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

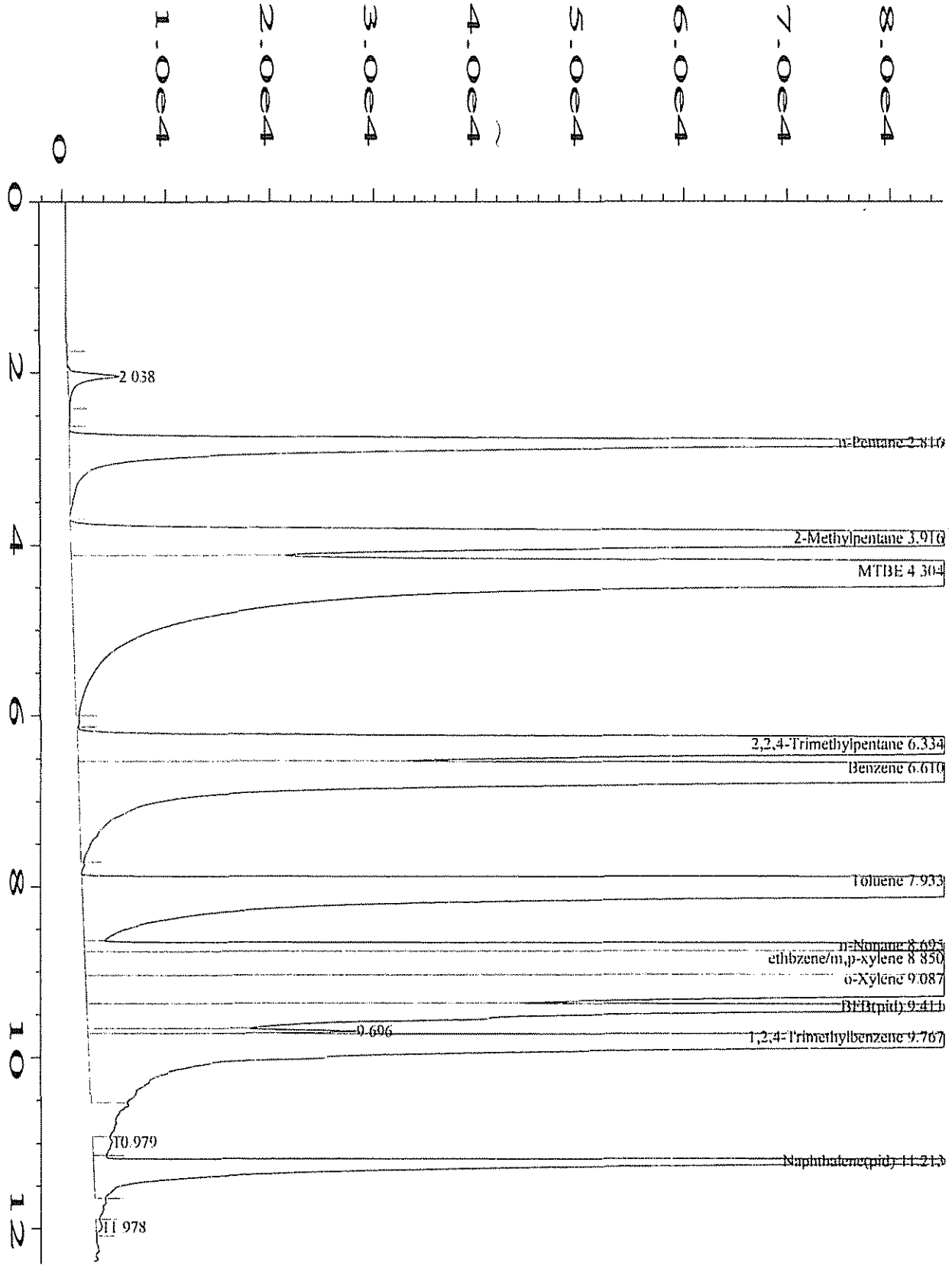
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp060805\005R0101.D
perator : DCS
nstrument : FID/PID
ample Name : v500
un Time Bar Code:
cquired on : 08 Jun 05 12:33 PM
eport Created on: 13 Jul 05 04:37 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 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 :

ig. 2 in C:\HPCHEM\1\DATA\vp060805\005R0101.D

et 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 *



ata File Name	: C:\HPCHEM\1\DATA\vp060805\005R0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 5
ample Name	: v500	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 08 Jun 05 12:33 PM	Instrument Method:	GAS1.MTH
eport Created on:	13 Jul 05 04:37 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

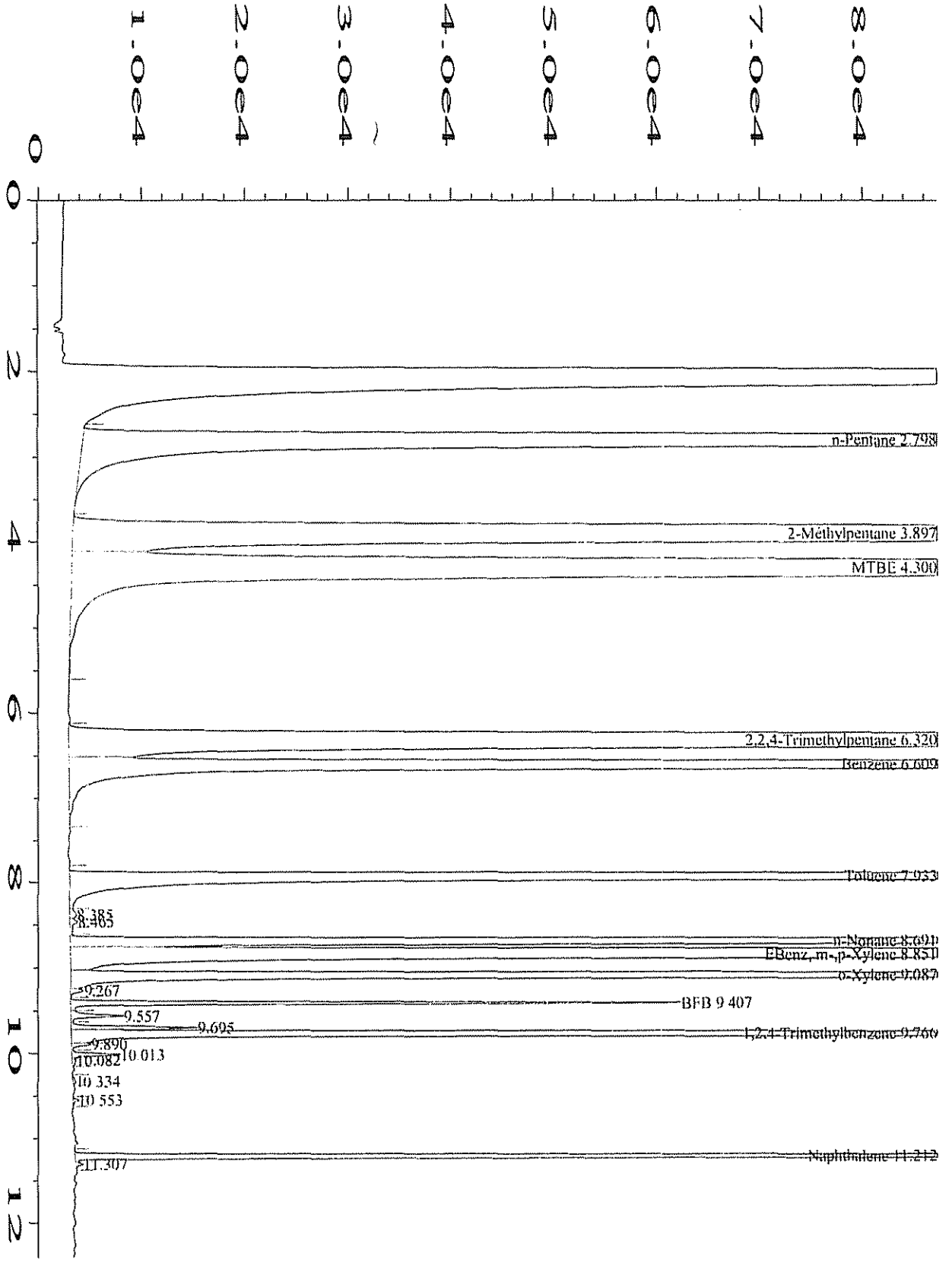
ata File Name : C:\HPCHEM\1\DATA\vp060805\006F0101.D
perator : DCS
nstrument : FID/PID
ample Name : v750
un Time Bar Code:
cquired on : 08 Jun 05 12:58 PM
eport Created on: 13 Jul 05 04:37 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

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 :

ig. 1 in C:\HPCHEM\1\DATA\vp060805\006F0101.D

et 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 *

:alibration 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 04:37 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

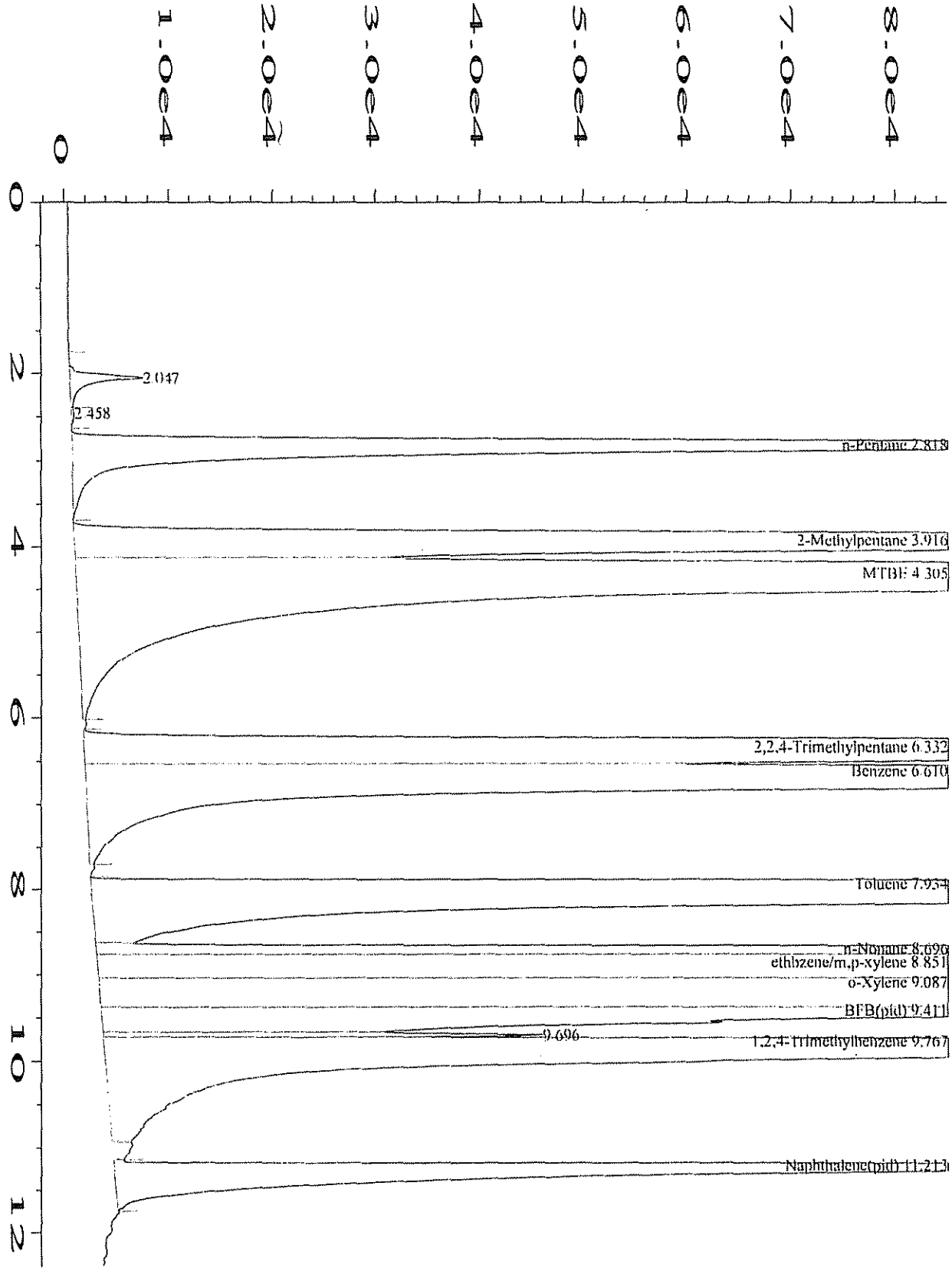
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp060805\006R0101.D
perator : DCS
nstrument : FID/PID
ample Name : v750
un Time Bar Code:
cquired on : 08 Jun 05 12:58 PM
eport Created on: 13 Jul 05 04:37 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 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 :

ig. 2 in C:\HPCHEM\1\DATA\vp060805\006R0101.D

et 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 04:37 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

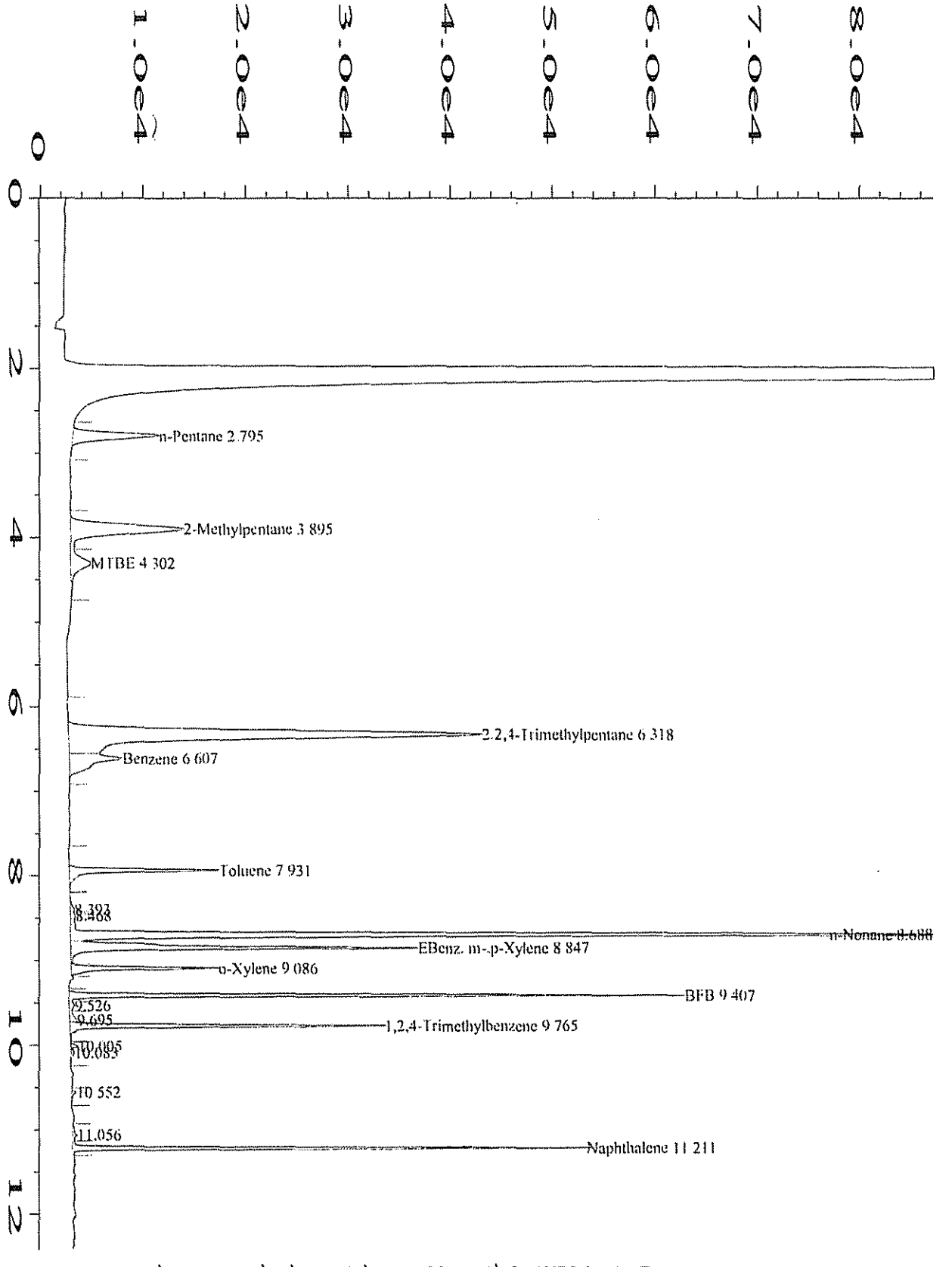
ata File Name : C:\HPCHEM\1\DATA\vp060805\007F0101.D
perator : DCS
nstrument : FID/PID
ample Name : b
in Time Bar Code:
cquired on : 08 Jun 05 01:24 PM
eport Created on: 13 Jul 05 04:37 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp060805\007F0101.D

et 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 *

alibration table contains at least one peak with amt = 0



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perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 7
ample Name	: b	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 08 Jun 05 01:24 PM	Instrument Method	: GAS1.MTH
eport Created on	: 13 Jul 05 04:37 PM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

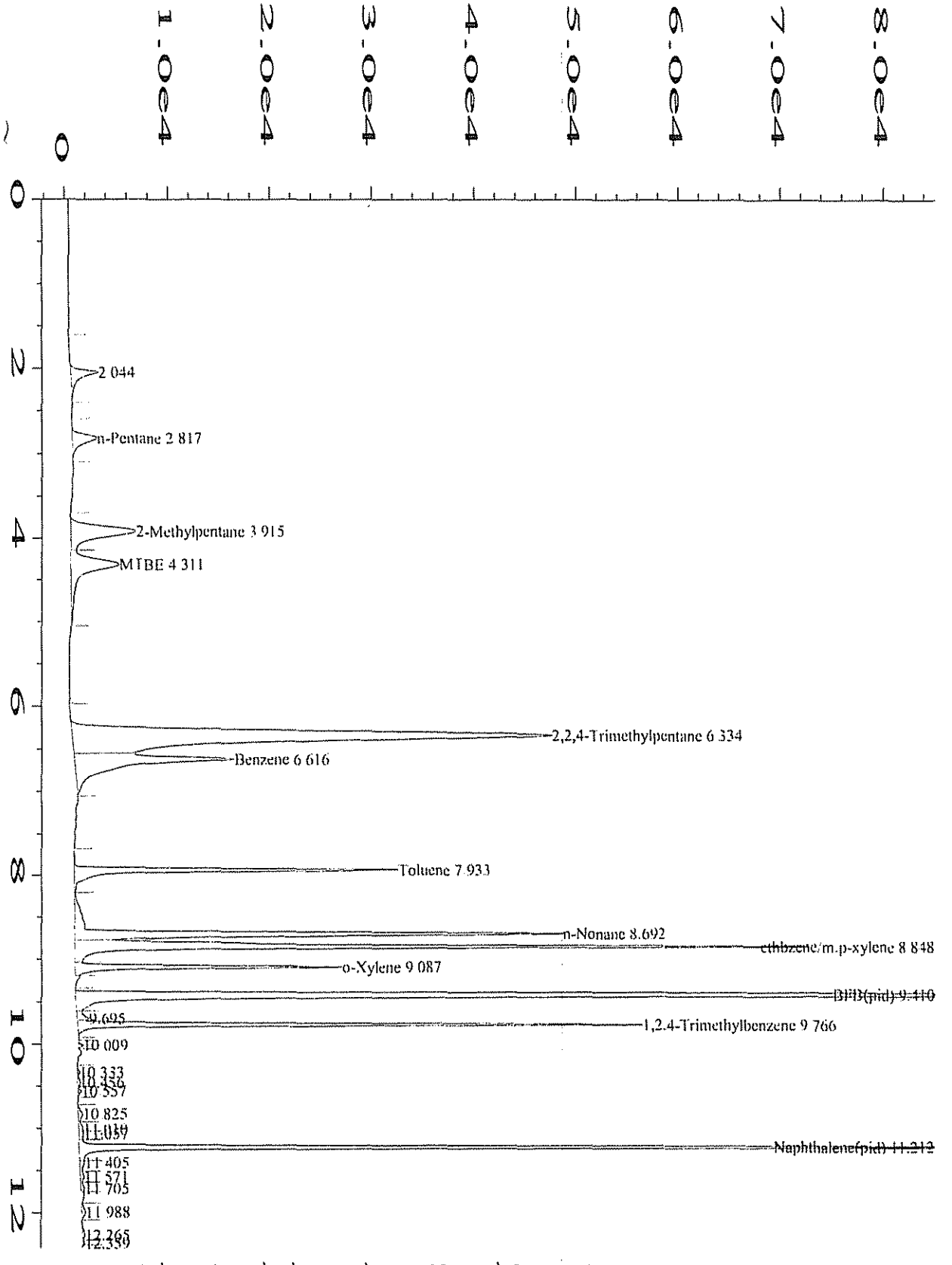
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp060805\007R0101.D
perator : DCS
nstrument : FID/PID
ample Name : b
un Time Bar Code:
cquired on : 08 Jun 05 01:24 PM
eport Created on: 13 Jul 05 04:37 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 7
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\vp060805\007R0101.D

et 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 *



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nstrument	: FID/PID	Vial Number	: 7
ample Name	: b	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 08 Jun 05 01:24 PM	Instrument Method:	GAS1.MTH
eport Created on:	13 Jul 05 04:37 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

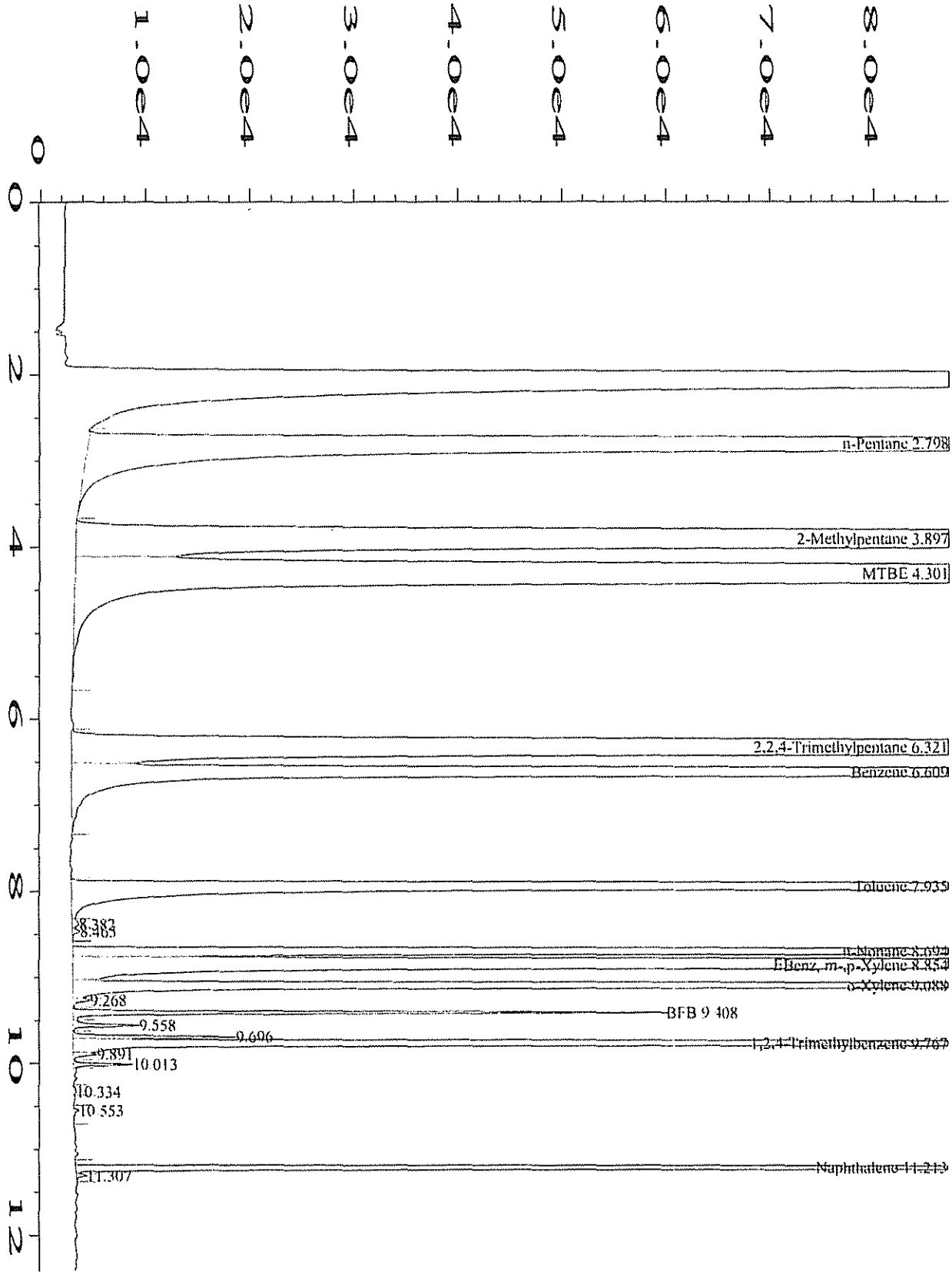
ata File Name : C:\HPCHEM\1\DATA\vp060805\008F0101.D
perator : DCS
nstrument : FID/PID
ample Name : v1000
un Time Bar Code:
cquired on : 08 Jun 05 01:49 PM
eport Created on: 13 Jul 05 04:37 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

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 :

ig. 1 in C:\HPCHEM\1\DATA\vp060805\008F0101.D

et 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 *

'alibration table contains at least one peak with amt = 0



ata File Name	: C:\HPCHEM\1\DATA\vp060805\008F0101.D		
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nstrument	: FID/PID	Vial Number	: 8
ample Name	: v1000	Injection Number	: 1
un Time Bar Code	:	Sequence Line	: 1
cquired on	: 08 Jun 05 01:49 PM	Instrument Method	: GAS1.MTH
eport Created on	: 13 Jul 05 04:37 PM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

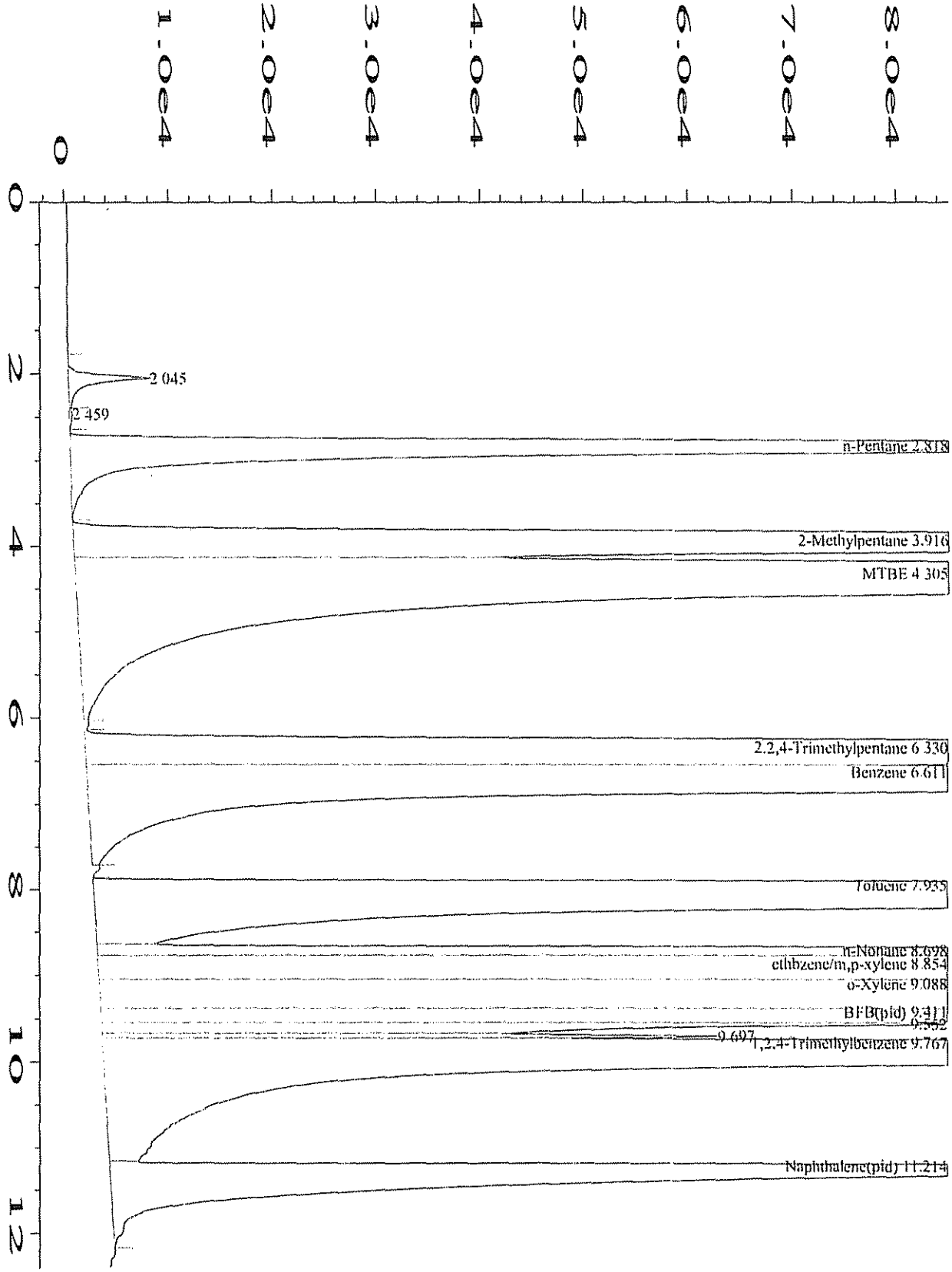
External Standard Report

ıta File Name : C:\HPCHEM\1\DATA\vp060805\008R0101.D
ɔerator : DCS
ıstrument : FID/PID
ımple Name : v1000
ın Time Bar Code:
:quired on : 08 Jun 05 01:49 PM
ɜport Created on: 13 Jul 05 04:37 PM
ıst Recalib on : 24 AUG 04 09:09 AM
ıltiplier : 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 :

ıg. 2 in C:\HPCHEM\1\DATA\vp060805\008R0101.D

ɜt 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 *



ata File Name	: C:\HPCHEM\1\DATA\vp060805\008R0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 8
ample Name	: v1000	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 08 Jun 05 01:49 PM	Instrument Method:	GAS1.MTH
eport Created on:	13 Jul 05 04:37 PM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 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: 07/05/05

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	12.8
C_9-C_{12} Aliphatics	500	50	-17.8
C_9-C_{10} Aromatics	500	50	-3.8

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

External Standard Report

ta File Name : C:\HPCHEM\1\DATA\vp070505\002F0101.D
erator : DCS
strument : FID/PID
mple Name : V 500
n Time Bar Code:
quired on : 05 Jul 05 07:51 AM
port Created on: 05 Jul 05 09:51 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\vp070505\002F0101.D

t Time	Area	Type	Width	Ref#	ug/L	Name
2.781	1997148	BV	0.089	1	4997.839	n-Pentane
3.878	2435250	PV	0.120	1	3687.764	2-Methylpentane
4.278	2180333	VB	0.135	1	66133.84	MTBE
6.307	2090682	VV	0.103	1	5220.911	2,2,4-Trimethylpentane
6.597	1643172	VV	0.056	1	1602.597	Benzene
7.925	4283613	VV	0.038	1	5094.168	Toluene
8.684	1823303	BV	0.035	1	2869.648	n-Nonane
8.843	6572558	VV	0.037	1	8548.763	EBenz, m-,p-Xylene
9.080	2569391	VV	0.033	1	3360.242	o-Xylene
9.402	114327	VV	0.029	1	440.389	BFB
9.760	2111541	VV	0.031	1	3039.154	1,2,4-Trimethylbenzene
11.207	819089	VV	0.026	1	-7250.655	Naphthalene
8.382	3553	VV	0.062		35.528	* uncalibrated *
8.459	2546	VB	0.053		25.457	* uncalibrated *
9.552	10450	VV	0.043		104.499	* uncalibrated *
9.690	16387	VV	0.031		163.866	* uncalibrated *
9.886	3477	VV	0.041		34.771	* uncalibrated *
10.007	9445	VV	0.036		94.446	* uncalibrated *
10.075	3596	VV	0.056		35.965	* uncalibrated *
10.176	2242	VV	0.057		22.419	* uncalibrated *
10.333	3631	VV	0.062		36.310	* uncalibrated *
10.406	5011	VV	0.079		50.105	* uncalibrated *
10.548	3263	VV	0.034		32.626	* uncalibrated *
10.594	2228	VV	0.040		22.283	* uncalibrated *
10.646	1046	VV	0.031		10.456	* uncalibrated *
10.761	1964	VV	0.056		19.644	* uncalibrated *
10.886	9871	VV	0.087		98.711	* uncalibrated *
10.959	5663	VV	0.079		56.630	* uncalibrated *
11.053	5541	VV	0.046		55.405	* uncalibrated *
11.351	7971	VV	0.080		79.706	* uncalibrated *
11.396	5979	VV	0.045		59.794	* uncalibrated *
11.528	8475	VV	0.059		84.750	* uncalibrated *
11.630	4266	VV	0.067		42.665	* uncalibrated *
11.708	2851	VV	0.054		28.505	* uncalibrated *
11.791	9297	VV	0.070		92.969	* uncalibrated *
11.911	2388	VV	0.055		23.876	* uncalibrated *
12.009	4103	VV	0.047		41.035	* uncalibrated *
12.191	1489	VV	0.058		14.889	* uncalibrated *
12.354	2786	VBA	0.040		27.862	* uncalibrated *

libration table contains at least one peak with amt = 0

ta File Name	: C:\HPCHEM\1\DATA\vp070505\002F0101.D		
erator	: DCS	Page Number	: 2
strument	: FID/PID	Vial Number	: 2
mple Name	: V 500	Injection Number	: 1
n Time Bar Code	:	Sequence Line	: 1
quired on	: 05 Jul 05 07:51 AM	Instrument Method	: GAS1.MTH
port Created on	: 05 Jul 05 09:51 AM	Analysis Method	: VPH_FID.MTH
st Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ltiplier	: 1	ISTD Amount	:

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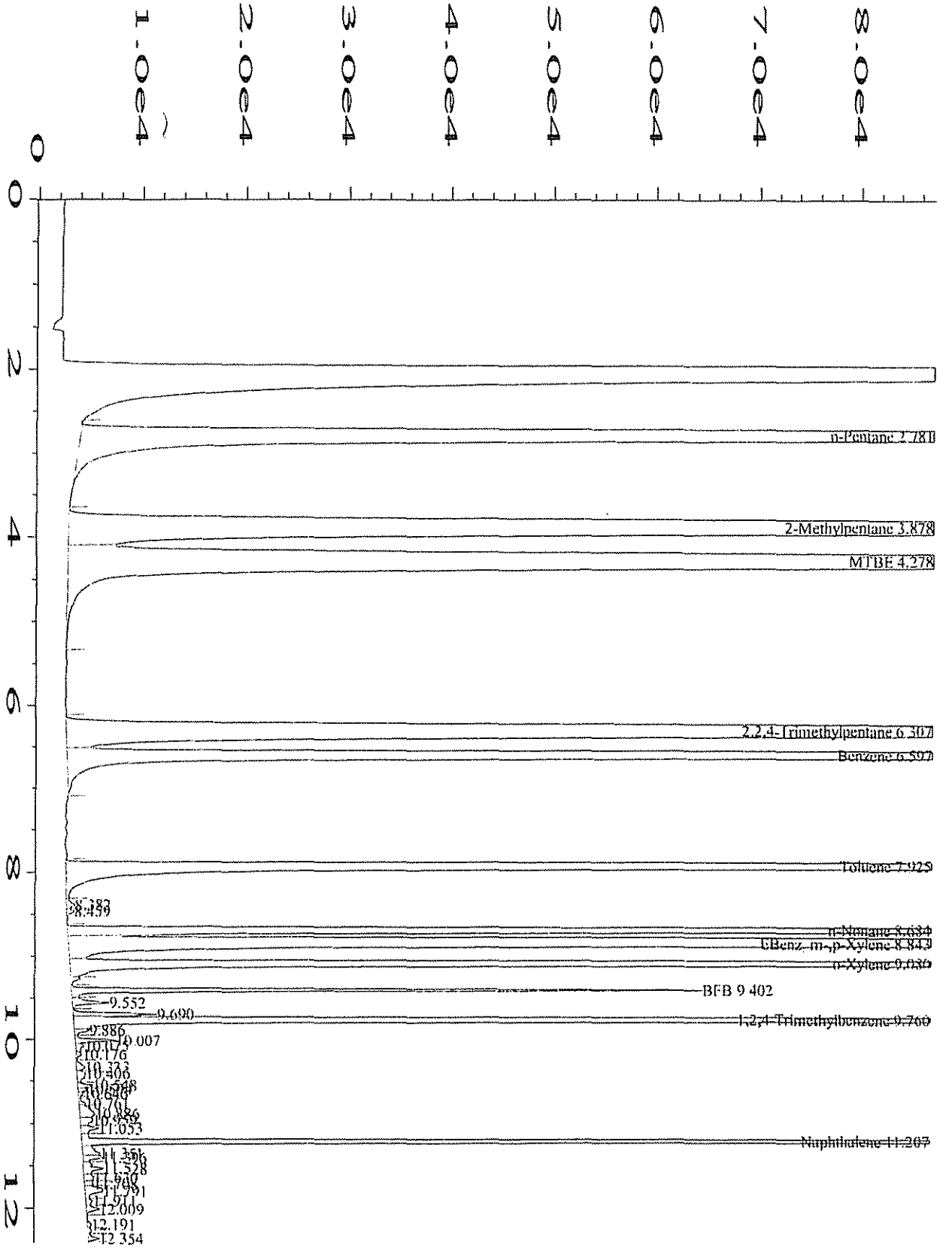

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ɔerator	: DCS	Page Number	: 1
ıstrument	: FID/PID	Vial Number	: 2
ımple Name	: V 500	Injection Number	: 1
ın Time Bar Code:		Sequence Line	: 1
:quired on	: 05 Jul 05 07:51 AM	Instrument Method	: GAS1.MTH
:port Created on	: 05 Jul 05 09:51 AM	Analysis Method	: VPH_FID.MTH
.st Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
:ltiplier	: 1	ISTD Amount	:

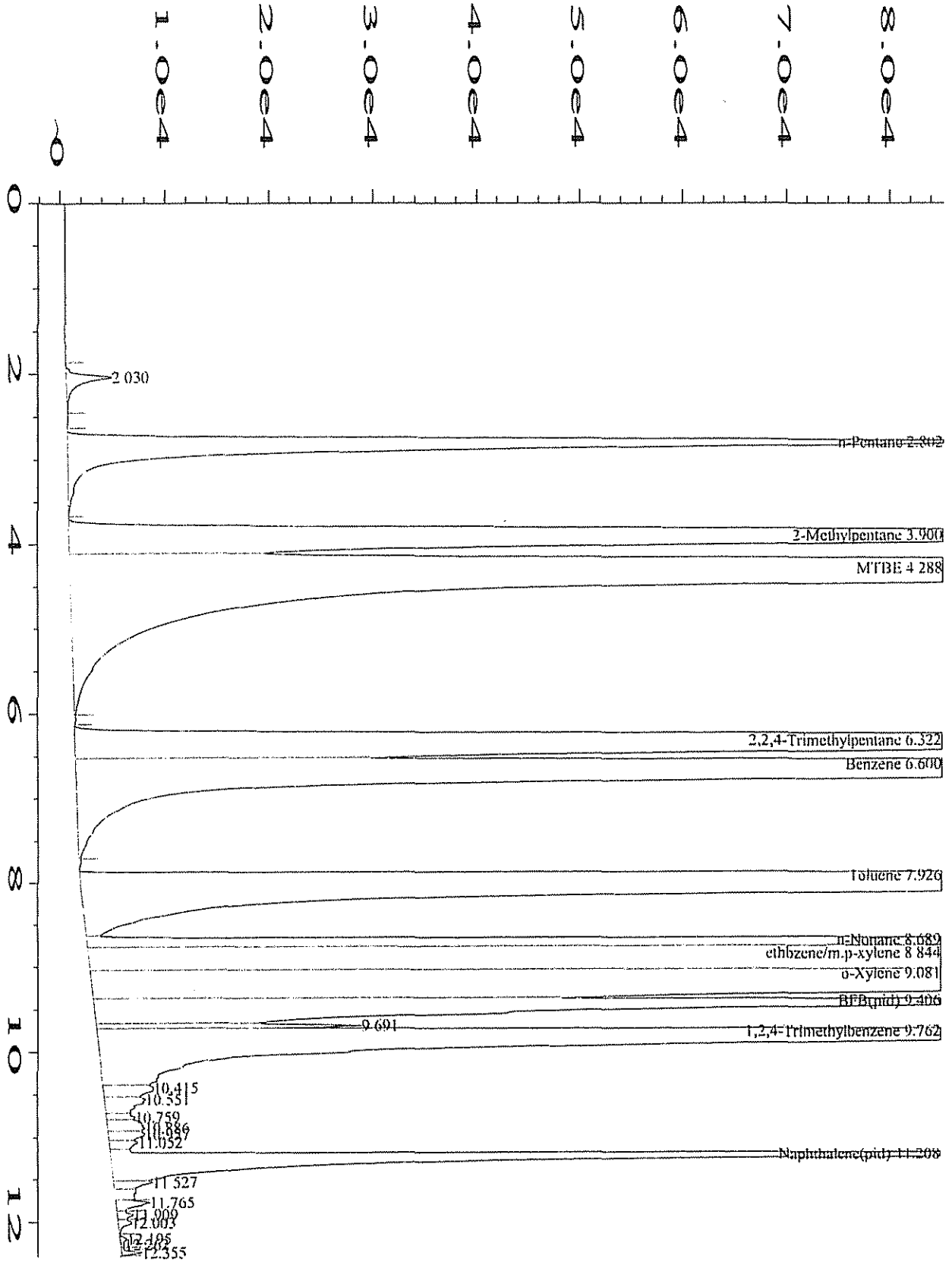
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\002R0101.D
perator : DCS
nstrument : FID/PID
ample Name : V 500
in Time Bar Code:
cquired on : 05 Jul 05 07:51 AM
eport Created on: 05 Jul 05 09:51 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 2
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\vp070505\002R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.802	782338	BV	0.121	1	124.754	n-Pentane
3.900	1830023	PV	0.145	1	193.791	2-Methylpentane
4.288	8487351	VV	0.169	1	281.571	MTBE
6.322	3126332	VV	0.130	1	205.469	2,2,4-Trimethylpentane
6.600	7821110	VV	0.081	1	98.301	Benzene
7.926	1.27353E+007	PV	0.054	1	312.110	Toluene
8.689	1342825	VV	0.047	1	197.845	n-Nonane
8.844	1.71171E+007	VV	0.052	1	506.045	ethbzene/m,p-xylene
9.081	8329676	VV	0.051	1	215.051	o-Xylene
9.406	1371508	VV	0.058	1	92.309	BFB(pid)
9.762	5461128	VV	0.040	1	177.873	1,2,4-Trimethylbenzene
11.208	2408415	VV	0.031	1	137.601	Naphthalene(pid)
2.030	27919	BV	0.086		279.190	* uncalibrated *
9.691	70816	VV	0.040		708.160	* uncalibrated *
10.415	36783	VV	0.103		367.827	* uncalibrated *
10.551	35887	VV	0.118		358.867	* uncalibrated *
10.759	11111	VV	0.067		111.107	* uncalibrated *
10.886	26999	VV	0.097		269.990	* uncalibrated *
10.957	20097	VV	0.081		200.971	* uncalibrated *
11.052	14051	VV	0.067		140.506	* uncalibrated *
11.527	15605	VV	0.070		156.048	* uncalibrated *
11.765	15542	VV	0.063		155.417	* uncalibrated *
11.909	6456	VV	0.059		64.564	* uncalibrated *
12.003	6011	VV	0.069		60.106	* uncalibrated *
12.195	2177	PV	0.050		21.773	* uncalibrated *
12.262	752	VV	0.033		7.516	* uncalibrated *
12.355	4887	VBA	0.039		48.873	* uncalibrated *



ta File Name	: C:\HPCHEM\1\DATA\vp070505\002R0101.D		
erator	: DCS	Page Number	: 1
strument	: FID/PID	Vial Number	: 2
mple Name	: V 500	Injection Number	: 1
n Time Bar Code:		Sequence Line	: 1
quired on	: 05 Jul 05 07:51 AM	Instrument Method:	GAS1.MTH
port Created on:	05 Jul 05 09:51 AM	Analysis Method	: vph_pid.MTH
st Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ltiplier	: 1	ISTD Amount	:

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: 07/07/05

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	17.9
C_9-C_{12} Aliphatics	500	50	-5.1
C_9-C_{10} Aromatics	500	50	0.8

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

External Standard Report

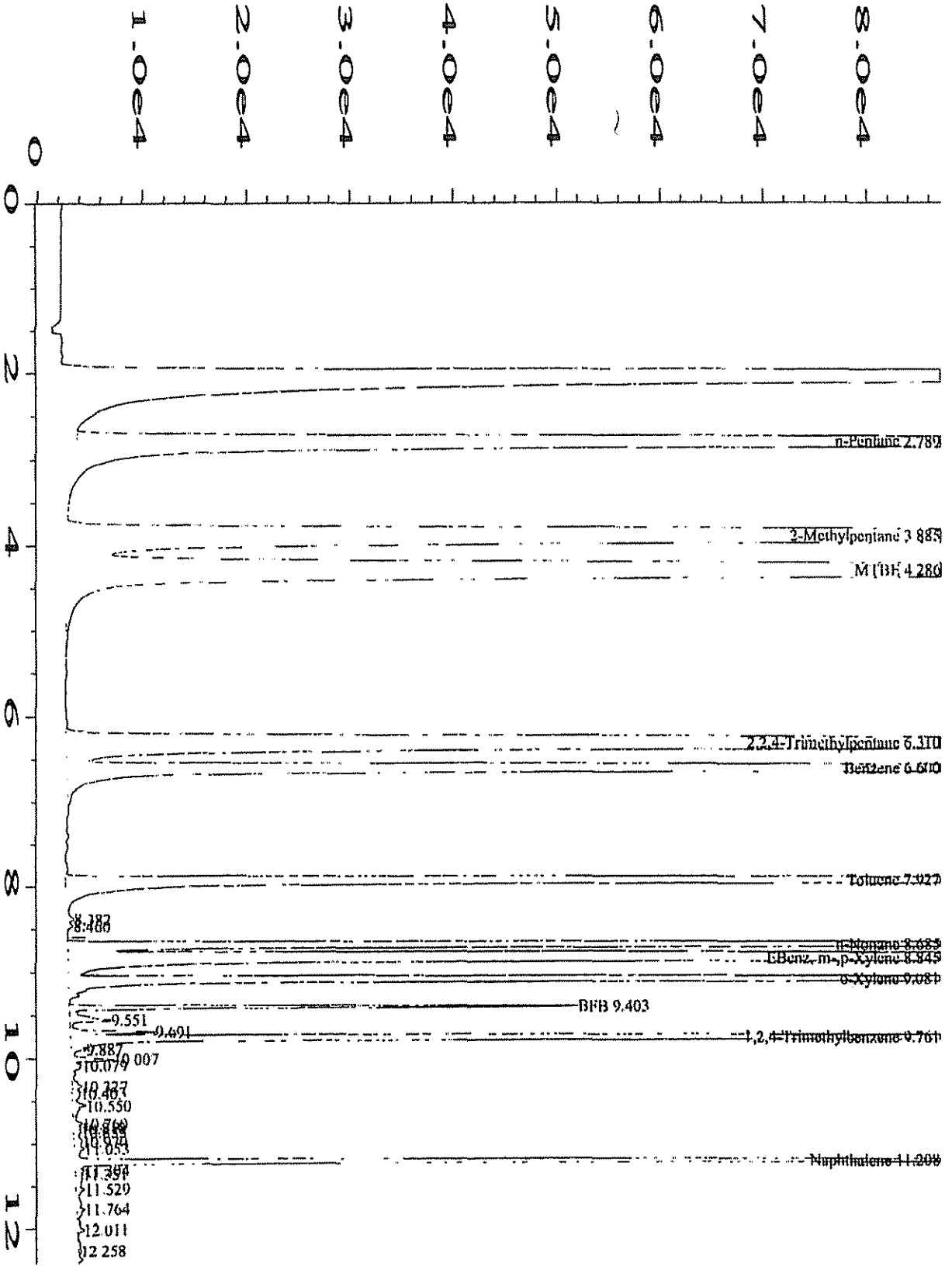
Data File Name : C:\HPCHEM\1\DATA\vp070705\004F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : V 500
Run Time Bar Code:
Acquired on : 07 Jul 05 09:06 AM
Report Created on: 07 Jul 05 09:29 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

Sig. 1 in C:\HPCHEM\1\DATA\vp070705\004F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.789	1902738	BV	0.089	1	4725.877	n-Pentane
3.885	2344087	PV	0.118	1	3530.086	2-Methylpentane
4.286	2245478	VB	0.134	1	68352.34	MTBE
6.310	1949543	VV	0.103	1	4811.304	2,2,4-Trimethylpentane
6.600	1659216	VV	0.056	1	1619.691	Benzene
7.927	4228355	VV	0.038	1	5019.356	Toluene
8.685	1605718	BV	0.035	1	2499.619	n-Nonane
8.845	6428229	VV	0.037	1	8329.035	EBenz, m-,p-Xylene
9.081	2519725	VV	0.033	1	3284.127	o-Xylene
9.403	90376	VV	0.029	1	348.126	BFB
9.761	2029397	VV	0.031	1	2897.217	1,2,4-Trimethylbenzene
11.208	820670	VV	0.026	1	-7268.396	Naphthalene
8.382	3476	VV	0.068		34.762	* uncalibrated *
8.460	2175	VB	0.051		21.748	* uncalibrated *
9.551	14354	VV	0.051		143.543	* uncalibrated *
9.691	17210	VV	0.032		172.102	* uncalibrated *
9.887	3960	VV	0.045		39.602	* uncalibrated *
10.007	9616	VV	0.036		96.156	* uncalibrated *
10.079	4495	VV	0.065		44.953	* uncalibrated *
10.327	4912	VV	0.068		49.115	* uncalibrated *
10.403	4418	VV	0.079		44.185	* uncalibrated *
10.550	6739	VV	0.068		67.393	* uncalibrated *
10.760	3235	VV	0.051		32.348	* uncalibrated *
10.810	1607	VV	0.039		16.069	* uncalibrated *
10.855	3056	VV	0.062		30.560	* uncalibrated *
10.970	4282	VV	0.078		42.822	* uncalibrated *
11.053	4251	VV	0.059		42.513	* uncalibrated *
11.304	2202	VV	0.036		22.023	* uncalibrated *
11.351	1839	VV	0.042		18.386	* uncalibrated *
11.529	3239	VV	0.053		32.388	* uncalibrated *
11.764	3816	VV	0.064		38.165	* uncalibrated *
12.011	2461	VV	0.053		24.606	* uncalibrated *
12.258	1699	PV	0.094		16.994	* uncalibrated *

Calibration table contains at least one peak with amt = 0



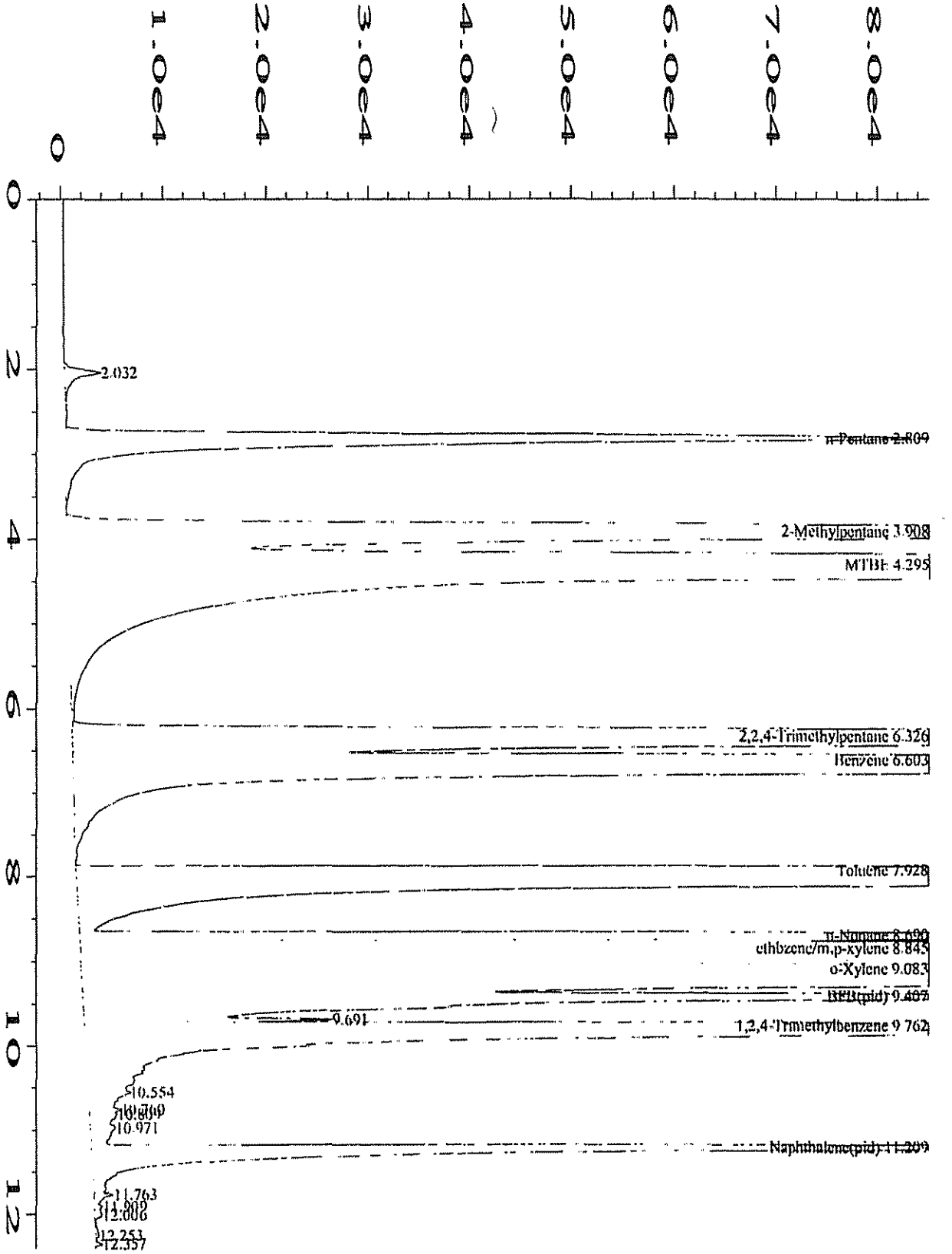
Data File Name	: C:\HPCHEM\1\DATA\vp070705\004F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 4
Sample Name	: V 500	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 09:06 AM	Instrument Method:	GAS1.MTH
Report Created on:	07 Jul 05 09:29 AM	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\vp070705\004R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 4
Sample Name	: V 500	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 09:06 AM	Instrument Method	: GAS1.MTH
Report Created on	: 07 Jul 05 09:29 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\vp070705\004R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.809	717178	BV	0.127	1	114.363	n-Pentane
3.908	1721356	PV	0.147	1	182.284	2-Methylpentane
4.295	8539173	VV	0.167	1	283.290	MTBE
6.326	2894722	VV	0.130	1	190.247	2,2,4-Trimethylpentane
6.603	7757117	VV	0.080	1	97.497	Benzene
7.928	1.25685E+007	PV	0.054	1	308.023	Toluene
8.690	1176252	VV	0.047	1	173.303	n-Nonane
8.845	1.6853E+007	VV	0.052	1	498.240	ethbzene/m,p-xylene
9.083	8129424	VV	0.051	1	209.881	o-Xylene
9.407	1146349	VV	0.096	1	77.155	BFB(pid)
9.762	5215376	VV	0.040	1	169.869	1,2,4-Trimethylbenzene
11.209	2408921	VV	0.057	1	137.630	Naphthalene(pid)
2.032	23656	BV	0.087		236.555	* uncalibrated *
9.691	71019	VV	0.042		710.190	* uncalibrated *
10.554	42432	VV	0.135		424.317	* uncalibrated *
10.760	11663	VV	0.060		116.628	* uncalibrated *
10.809	18060	VV	0.112		180.598	* uncalibrated *
10.971	26366	VV	0.142		263.665	* uncalibrated *
11.763	8763	VV	0.062		87.632	* uncalibrated *
11.909	2342	VV	0.050		23.416	* uncalibrated *
12.006	3922	VV	0.074		39.220	* uncalibrated *
12.253	2045	VV	0.094		20.446	* uncalibrated *
12.357	193	PBA	0.013		1.933	* uncalibrated *



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Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 4
Sample Name	: V 500	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 09:06 AM	Instrument Method:	GAS1.MTH
Report Created on:	07 Jul 05 09:29 AM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

VPH QC, Blanks Raw Data

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\036F0101.D
perator : DCS
nstrument : FID/PID
ample Name : lcs4070505b x1
in Time Bar Code:
cquired on : 05 Jul 05 10:09 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 36
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070505\036F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.776	51009	BV	0.089	1	50.878	n-Pentane
3.872	56514	VV	0.121	1	10.038	2-Methylpentane
4.223	70241	VV	0.194	1	164.654	MTBE
6.306	52117	VV	0.115	1	10.010	2,2,4-Trimethylpentane
6.596	71990	VV	0.080	1	9.124	Benzene
7.924	232239	VV	0.039	1	24.652	Toluene
8.683	6196	VV	0.052	1	1.555	n-Nonane
8.841	218517	VV	0.040	1	21.361	EBenz, m-,p-Xylene
9.080	78117	VV	0.048	1	7.756	o-Xylene
9.402	95959	VV	0.029	1	369.634	BFB
9.760	93297	VV	0.045	1	9.930	1,2,4-Trimethylbenzene
11.209	5658	VV	0.040	1	1.335	Naphthalene
3.008	19300	PV	0.071		193.000	* uncalibrated *
3.206	27900	VV	0.089		279.001	* uncalibrated *
3.724	1245	PV	0.036		12.453	* uncalibrated *
4.531	32154	VV	0.110		321.540	* uncalibrated *
4.852	24366	PV	0.178		243.660	* uncalibrated *
5.097	12153	VV	0.110		121.534	* uncalibrated *
5.221	13286	VV	0.113		132.865	* uncalibrated *
5.475	26698	VV	0.106		266.984	* uncalibrated *
5.790	1811	PV	0.091		18.113	* uncalibrated *
5.960	18779	VV	0.085		187.794	* uncalibrated *
6.082	47542	VV	0.120		475.425	* uncalibrated *
6.734	8980	VV	0.072		89.797	* uncalibrated *
6.823	7588	VV	0.065		75.878	* uncalibrated *
6.981	17222	VV	0.107		172.224	* uncalibrated *
7.117	11749	VV	0.072		117.488	* uncalibrated *
7.282	22391	VV	0.073		223.909	* uncalibrated *
7.389	36792	VV	0.075		367.925	* uncalibrated *
7.523	23832	VV	0.091		238.318	* uncalibrated *
7.793	14425	VV	0.065		144.247	* uncalibrated *
8.051	10299	VV	0.099		102.994	* uncalibrated *
8.379	15531	VV	0.065		155.313	* uncalibrated *
8.459	7580	VV	0.048		75.803	* uncalibrated *
8.928	3947	VV	0.066		39.468	* uncalibrated *
9.203	2638	VV	0.036		26.384	* uncalibrated *
9.263	5736	VV	0.039		57.364	* uncalibrated *
9.526	112947	VV	0.054		1129.470	* uncalibrated *
9.690	19686	VV	0.034		196.860	* uncalibrated *
9.890	2940	VV	0.048		29.401	* uncalibrated *
10.009	20220	VV	0.032		202.204	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070505\036F0101.D
perator : DCS
nstrument : FID/PID
ample Name : lcs4070505b x1
in Time Bar Code:
cquired on : 05 Jul 05 10:09 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 36
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.113	34829	VV	0.052	348.289	* uncalibrated *
10.181	14209	VV	0.044	142.094	* uncalibrated *
10.273	14689	VV	0.046	146.890	* uncalibrated *
10.323	14332	VV	0.032	143.317	* uncalibrated *
10.399	3839	VV	0.041	38.385	* uncalibrated *
10.447	3254	VV	0.035	32.536	* uncalibrated *
10.517	9329	VV	0.036	93.285	* uncalibrated *
10.559	16163	VV	0.057	161.634	* uncalibrated *
10.644	2679	VV	0.038	26.788	* uncalibrated *
10.704	2127	VV	0.043	21.268	* uncalibrated *
10.762	7632	VV	0.038	76.320	* uncalibrated *
10.799	5029	VV	0.033	50.285	* uncalibrated *
10.854	7597	VV	0.044	75.974	* uncalibrated *
10.973	7812	VV	0.064	78.115	* uncalibrated *
11.054	5927	VV	0.088	59.269	* uncalibrated *
11.351	2345	VV	0.039	23.452	* uncalibrated *
11.482	2769	VV	0.050	27.692	* uncalibrated *
11.762	4703	VV	0.041	47.032	* uncalibrated *
11.908	1192	VV	0.032	11.917	* uncalibrated *

alibration table contains at least one peak with amt = 0

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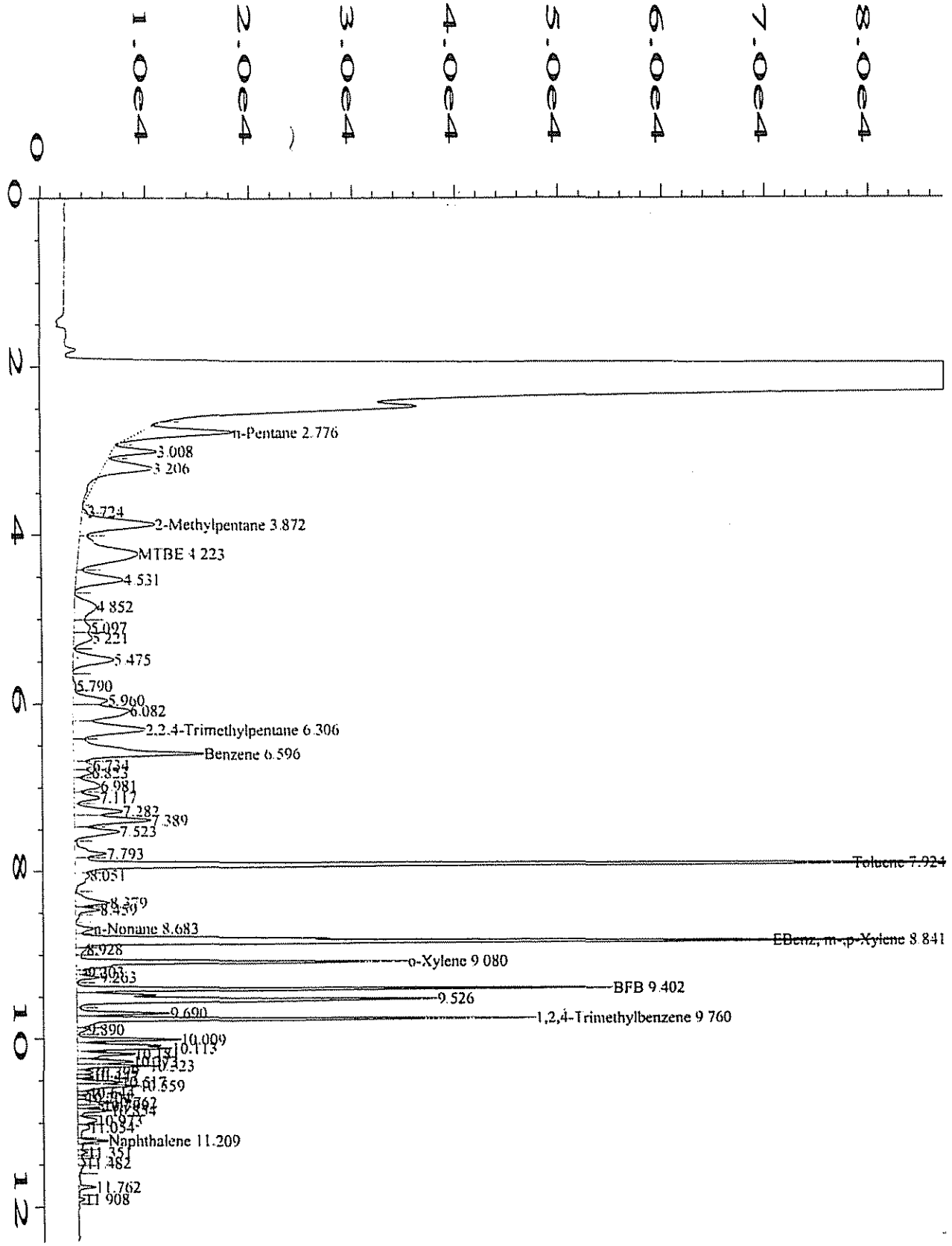

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Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 36
Sample Name	: lcs4070505b x1	Injection Number	: 1
Run Time Bar Code	:	Sequence Line	: 1
Acquired on	: 05 Jul 05 10:09 PM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:07 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

ata File Name : C:\HPCHEM\1\DATA\vp070505\036R0101.D
perator : DCS
nstrument : FID/PID
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un Time Bar Code:
cquired on : 05 Jul 05 10:09 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 36
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\vp070505\036R0101.D

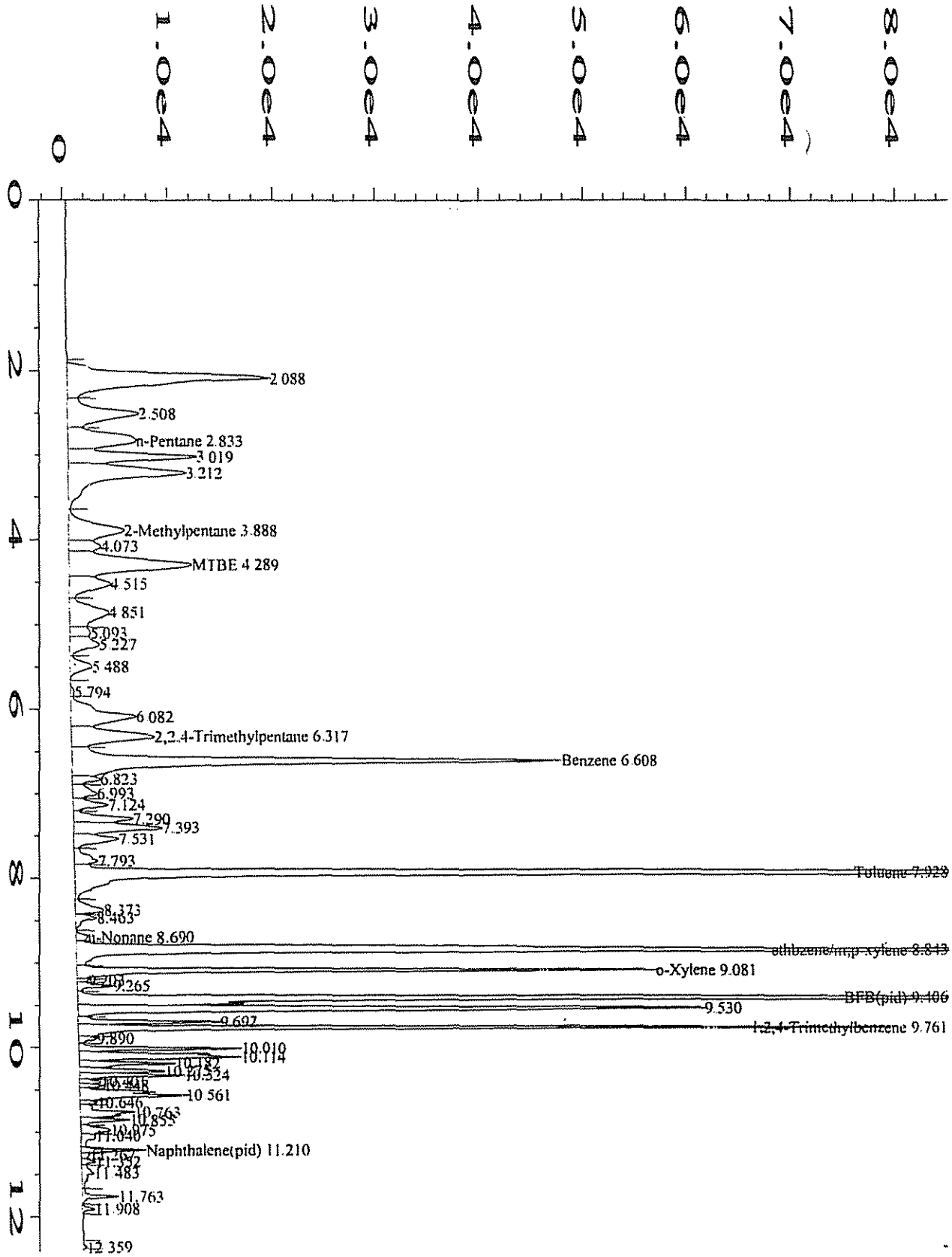
et Time	Area	Type	Width	Ref#	ug/L	Name
2.833	69537	VV	0.143	1	11.089	n-Pentane
3.888	56357	VV	0.139	1	5.968	2-Methylpentane
4.289	117716	VV	0.150	1	3.905	MTBE
6.317	67476	VV	0.131	1	4.435	2,2,4-Trimethylpentane
6.608	247833	VV	0.078	1	3.115	Benzene
7.928	612101	VV	0.045	1	15.001	Toluene
8.690	4984	VV	0.070	1	0.734	n-Nonane
8.843	475508	VV	0.042	1	14.058	ethbzene/m,p-xylene
9.081	135685	VV	0.037	1	3.503	o-Xylene
9.406	489931	VV	0.049	1	32.975	BFB(pid)
9.761	171256	VV	0.034	1	5.578	1,2,4-Trimethylbenzene
11.210	11989	VV	0.030	1	0.685	Naphthalene(pid)
2.088	170670	BV	0.108		1706.703	* uncalibrated *
2.508	68391	VV	0.142		683.907	* uncalibrated *
3.019	71594	VV	0.088		715.941	* uncalibrated *
3.212	115987	VV	0.141		1159.866	* uncalibrated *
4.073	20820	VV	0.095		208.202	* uncalibrated *
4.515	37072	VV	0.141		370.723	* uncalibrated *
4.851	46950	VV	0.181		469.503	* uncalibrated *
5.093	12426	VV	0.090		124.256	* uncalibrated *
5.227	23733	VV	0.125		237.332	* uncalibrated *
5.488	15918	VV	0.116		159.177	* uncalibrated *
5.794	2150	PV	0.090		21.499	* uncalibrated *
6.082	60621	VV	0.134		606.209	* uncalibrated *
6.823	12117	VV	0.066		121.172	* uncalibrated *
6.993	16204	VV	0.097		162.042	* uncalibrated *
7.124	16894	VV	0.075		168.945	* uncalibrated *
7.290	26637	VV	0.071		266.371	* uncalibrated *
7.393	47133	VV	0.084		471.329	* uncalibrated *
7.531	25951	VV	0.095		259.510	* uncalibrated *
7.793	15037	VV	0.086		150.368	* uncalibrated *
8.373	15949	VV	0.088		159.492	* uncalibrated *
8.463	8857	VV	0.061		88.574	* uncalibrated *
9.203	2432	VV	0.037		24.316	* uncalibrated *
9.265	9799	VV	0.047		97.988	* uncalibrated *
9.530	194780	VV	0.053		1947.797	* uncalibrated *
9.692	31047	VV	0.038		310.471	* uncalibrated *
9.890	5822	VV	0.055		58.215	* uncalibrated *
10.010	32625	VV	0.033		326.248	* uncalibrated *
10.114	58139	VV	0.052		581.391	* uncalibrated *
10.182	23607	VV	0.045		236.069	* uncalibrated *

ıta File Name : C:\HPCHEM\1\DATA\vp070505\036R0101.D
ɔerator : DCS
ıstrument : FID/PID
ample Name : lcs4070505b x1
ın Time Bar Code:
cquired on : 05 Jul 05 10:09 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ıltiplier : 1

Page Number : 2
Vial Number : 36
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.275	21866	VV	0.041	218.659	* uncalibrated *
10.324	22232	VV	0.037	222.322	* uncalibrated *
10.401	5359	VV	0.041	53.590	* uncalibrated *
10.448	5221	VV	0.033	52.208	* uncalibrated *
10.561	43202	VV	0.070	432.022	* uncalibrated *
10.646	3962	VV	0.042	39.622	* uncalibrated *
10.763	22947	VV	0.064	229.474	* uncalibrated *
10.855	11371	VV	0.036	113.711	* uncalibrated *
10.975	12053	VV	0.065	120.534	* uncalibrated *
11.040	8153	VV	0.096	81.530	* uncalibrated *
11.267	2924	VV	0.056	29.240	* uncalibrated *
11.352	3794	VV	0.051	37.937	* uncalibrated *
11.483	9126	VV	0.095	91.257	* uncalibrated *
11.763	8721	VV	0.037	87.208	* uncalibrated *
11.908	3081	VV	0.037	30.811	* uncalibrated *
12.359	240	PBA	0.021	2.400	* uncalibrated *

==========



Data File Name	: C:\HPCHEM\1\DATA\vp070505\036R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 36
Sample Name	: lcs4070505b x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 05 Jul 05 10:09 PM	Instrument Method:	GAS1.MTH
Report Created on:	06 Jul 05 07:07 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\vp070505\034F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 34
Sample Name	: G161-2047-2E x1 MS	Injection Number	: 1
Run Time Bar Code	: 137269	Sequence Line	: 1
Acquired on	: 05 Jul 05 09:18 PM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:07 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\vp070505\034F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.773	41308	BV	0.084	1	41.202	n-Pentane
3.876	49690	VV	0.118	1	8.826	2-Methylpentane
4.217	58056	VV	0.164	1	136.091	MTBE
6.308	50174	VV	0.115	1	9.637	2,2,4-Trimethylpentane
6.598	68251	VV	0.085	1	8.650	Benzene
7.925	215155	VV	0.040	1	22.839	Toluene
8.689	9378	VV	0.064	1	2.353	n-Nonane
8.842	207371	VV	0.042	1	20.272	EBenz, m-,p-Xylene
9.081	86921	VV	0.052	1	8.630	o-Xylene
9.403	100352	VV	0.030	1	386.554	BFB
9.760	94893	VV	0.047	1	10.100	1,2,4-Trimethylbenzene
11.209	6713	VV	0.043	1	1.584	Naphthalene
3.008	17005	PV	0.070		170.046	* uncalibrated *
3.208	13619	PV	0.060		136.190	* uncalibrated *
3.724	1023	PV	0.032		10.230	* uncalibrated *
4.535	31819	VV	0.109		318.187	* uncalibrated *
4.855	23938	PV	0.178		239.377	* uncalibrated *
5.100	11843	VV	0.109		118.431	* uncalibrated *
5.224	12698	VV	0.110		126.976	* uncalibrated *
5.479	26735	VV	0.105		267.354	* uncalibrated *
5.794	1735	PV	0.094		17.353	* uncalibrated *
5.962	19310	VV	0.085		193.101	* uncalibrated *
6.086	48387	VV	0.121		483.873	* uncalibrated *
6.737	8892	VV	0.072		88.924	* uncalibrated *
6.825	7579	VV	0.065		75.792	* uncalibrated *
6.983	17288	VV	0.105		172.877	* uncalibrated *
7.120	13348	VV	0.071		133.484	* uncalibrated *
7.284	22275	VV	0.074		222.753	* uncalibrated *
7.394	40992	VV	0.074		409.924	* uncalibrated *
7.522	26615	VV	0.077		266.148	* uncalibrated *
7.794	16681	VV	0.070		166.808	* uncalibrated *
8.051	10396	VV	0.062		103.960	* uncalibrated *
8.126	7320	VV	0.062		73.201	* uncalibrated *
8.379	31293	VV	0.070		312.934	* uncalibrated *
8.459	17024	VV	0.054		170.237	* uncalibrated *
8.938	10608	VV	0.076		106.083	* uncalibrated *
9.202	5415	VV	0.043		54.155	* uncalibrated *
9.264	8134	VV	0.046		81.337	* uncalibrated *
9.527	116402	VV	0.058		1164.019	* uncalibrated *
9.691	21362	VV	0.037		213.624	* uncalibrated *
9.888	4463	VV	0.054		44.631	* uncalibrated *
10.009	21553	VV	0.034		215.526	* uncalibrated *
10.113	35967	VV	0.055		359.671	* uncalibrated *

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp070505\034R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 34
Sample Name	: G161-2047-2E x1 MS	Injection Number	: 1
Run Time Bar Code	: 137269	Sequence Line	: 1
Acquired on	: 05 Jul 05 09:18 PM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:07 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\vp070505\034R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.839	74379	VV	0.145	1	11.861	n-Pentane
3.891	59926	VV	0.159	1	6.346	2-Methylpentane
4.299	108776	VV	0.160	1	3.609	MTBE
6.319	67223	VV	0.131	1	4.418	2,2,4-Trimethylpentane
6.609	227395	VV	0.079	1	2.858	Benzene
7.929	567442	VV	0.045	1	13.907	Toluene
8.702	9223	VV	0.067	1	1.359	n-Nonane
8.843	439493	VV	0.043	1	12.993	ethbzene/m,p-xylene
9.082	149462	VV	0.043	1	3.859	o-Xylene
9.405	497890	VV	0.050	1	33.510	BFB(pid)
9.761	171066	VV	0.050	1	5.572	1,2,4-Trimethylbenzene
11.209	13807	VV	0.043	1	0.789	Naphthalene(pid)
2.155	284067	BV	0.128		2840.666	* uncalibrated *
2.501	72583	VV	0.145		725.828	* uncalibrated *
3.020	76913	VV	0.091		769.132	* uncalibrated *
3.215	122576	VV	0.151		1225.755	* uncalibrated *
4.075	21314	VV	0.097		213.144	* uncalibrated *
4.519	38365	VV	0.141		383.655	* uncalibrated *
4.853	47461	VV	0.182		474.610	* uncalibrated *
5.099	13967	VV	0.099		139.666	* uncalibrated *
5.228	23517	VV	0.123		235.165	* uncalibrated *
5.493	16732	VV	0.116		167.325	* uncalibrated *
5.796	2152	PV	0.091		21.518	* uncalibrated *
6.084	62840	VV	0.136		628.397	* uncalibrated *
6.825	11950	VV	0.065		119.504	* uncalibrated *
6.994	16376	VV	0.094		163.757	* uncalibrated *
7.127	20026	VV	0.074		200.258	* uncalibrated *
7.291	26802	VV	0.071		268.015	* uncalibrated *
7.396	50573	VV	0.084		505.726	* uncalibrated *
7.529	28639	VV	0.086		286.390	* uncalibrated *
7.750	9896	VV	0.064		98.959	* uncalibrated *
7.790	8638	VV	0.049		86.382	* uncalibrated *
8.367	34137	VV	0.093		341.369	* uncalibrated *
8.461	18653	VV	0.063		186.533	* uncalibrated *
8.961	13266	VV	0.060		132.657	* uncalibrated *
9.265	14339	VV	0.051		143.391	* uncalibrated *
9.529	193155	VV	0.054		1931.550	* uncalibrated *
9.691	33684	VV	0.038		336.838	* uncalibrated *
9.888	8593	VV	0.059		85.926	* uncalibrated *
10.010	34798	VV	0.036		347.977	* uncalibrated *
10.113	59802	VV	0.054		598.016	* uncalibrated *
10.181	27284	VV	0.048		272.838	* uncalibrated *
10.274	21858	VV	0.046		218.584	* uncalibrated *

External Standard Report

ıta File Name : C:\HPCHEM\1\DATA\vp070505\034F0101.D
)erator : DCS
ıstrument : FID/PID
ımple Name : 137269 x1 MS
ın Time Bar Code:
:quired on : 05 Jul 05 09:18 PM
ɜport Created on: 06 Jul 05 07:07 AM
ɜst Recalib on : 24 AUG 04 09:09 AM
ılticplier : 1

Page Number : 1
Vial Number : 34
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ıg. 1 in C:\HPCHEM\1\DATA\vp070505\034F0101.D

ɜt Time	Area	Type	Width	Ref#	ug/L	Name
2.773	41308	BV	0.084	1	41.202	n-Pentane
3.876	49690	VV	0.118	1	8.826	2-Methylpentane
4.217	58056	VV	0.164	1	136.091	MTBE
6.308	50174	VV	0.115	1	9.637	2,2,4-Trimethylpentane
6.598	68251	VV	0.085	1	8.650	Benzene
7.925	215155	VV	0.040	1	22.839	Toluene
8.689	9378	VV	0.064	1	2.353	n-Nonane
8.842	207371	VV	0.042	1	20.272	EBenz, m-,p-Xylene
9.081	86921	VV	0.052	1	8.630	o-Xylene
9.403	100352	VV	0.030	1	386.554	BFB
9.760	94893	VV	0.047	1	10.100	1,2,4-Trimethylbenzene
11.209	6713	VV	0.043	1	1.584	Naphthalene
3.008	17005	PV	0.070		170.046	* uncalibrated *
3.208	13619	PV	0.060		136.190	* uncalibrated *
3.724	1023	PV	0.032		10.230	* uncalibrated *
4.535	31819	VV	0.109		318.187	* uncalibrated *
4.855	23938	PV	0.178		239.377	* uncalibrated *
5.100	11843	VV	0.109		118.431	* uncalibrated *
5.224	12698	VV	0.110		126.976	* uncalibrated *
5.479	26735	VV	0.105		267.354	* uncalibrated *
5.794	1735	PV	0.094		17.353	* uncalibrated *
5.962	19310	VV	0.085		193.101	* uncalibrated *
6.086	48387	VV	0.121		483.873	* uncalibrated *
6.737	8892	VV	0.072		88.924	* uncalibrated *
6.825	7579	VV	0.065		75.792	* uncalibrated *
6.983	17288	VV	0.105		172.877	* uncalibrated *
7.120	13348	VV	0.071		133.484	* uncalibrated *
7.284	22275	VV	0.074		222.753	* uncalibrated *
7.394	40992	VV	0.074		409.924	* uncalibrated *
7.522	26615	VV	0.077		266.148	* uncalibrated *
7.794	16681	VV	0.070		166.808	* uncalibrated *
8.051	10396	VV	0.062		103.960	* uncalibrated *
8.126	7320	VV	0.062		73.201	* uncalibrated *
8.379	31293	VV	0.070		312.934	* uncalibrated *
8.459	17024	VV	0.054		170.237	* uncalibrated *
8.938	10608	VV	0.076		106.083	* uncalibrated *
9.202	5415	VV	0.043		54.155	* uncalibrated *
9.264	8134	VV	0.046		81.337	* uncalibrated *
9.527	116402	VV	0.058		1164.019	* uncalibrated *
9.691	21362	VV	0.037		213.624	* uncalibrated *
9.888	4463	VV	0.054		44.631	* uncalibrated *

ta File Name : C:\HPCHEM\1\DATA\vp070505\034F0101.D
erator : DCS
strument : FID/PID
mple Name : 137269 x1 MS
n Time Bar Code:
quired on : 05 Jul 05 09:18 PM
port Created on: 06 Jul 05 07:07 AM
st Recalib on : 24 AUG 04 09:09 AM
ltiplier : 1

Page Number : 2
Vial Number : 34
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.009	21553	VV	0.034	215.526	* uncalibrated *
10.113	35967	VV	0.055	359.671	* uncalibrated *
10.181	16286	VV	0.047	162.864	* uncalibrated *
10.273	13801	VV	0.045	138.014	* uncalibrated *
10.323	16098	VV	0.035	160.979	* uncalibrated *
10.399	5832	VV	0.047	58.319	* uncalibrated *
10.447	4589	VV	0.038	45.889	* uncalibrated *
10.518	10303	VV	0.038	103.030	* uncalibrated *
10.559	17474	VV	0.059	174.737	* uncalibrated *
10.642	4272	VV	0.042	42.721	* uncalibrated *
10.698	2639	VV	0.041	26.386	* uncalibrated *
10.762	8415	VV	0.040	84.147	* uncalibrated *
10.799	6725	VV	0.036	67.246	* uncalibrated *
10.854	8691	VV	0.047	86.909	* uncalibrated *
10.974	10929	VV	0.069	109.287	* uncalibrated *
11.059	9064	VV	0.093	90.645	* uncalibrated *
11.266	2834	VV	0.058	28.343	* uncalibrated *
11.351	3100	VV	0.042	30.996	* uncalibrated *
11.481	3358	VV	0.057	33.584	* uncalibrated *
11.529	2544	VV	0.059	25.439	* uncalibrated *
11.762	5238	VV	0.043	52.375	* uncalibrated *
11.908	1257	VV	0.032	12.572	* uncalibrated *

alibration table contains at least one peak with amt = 0

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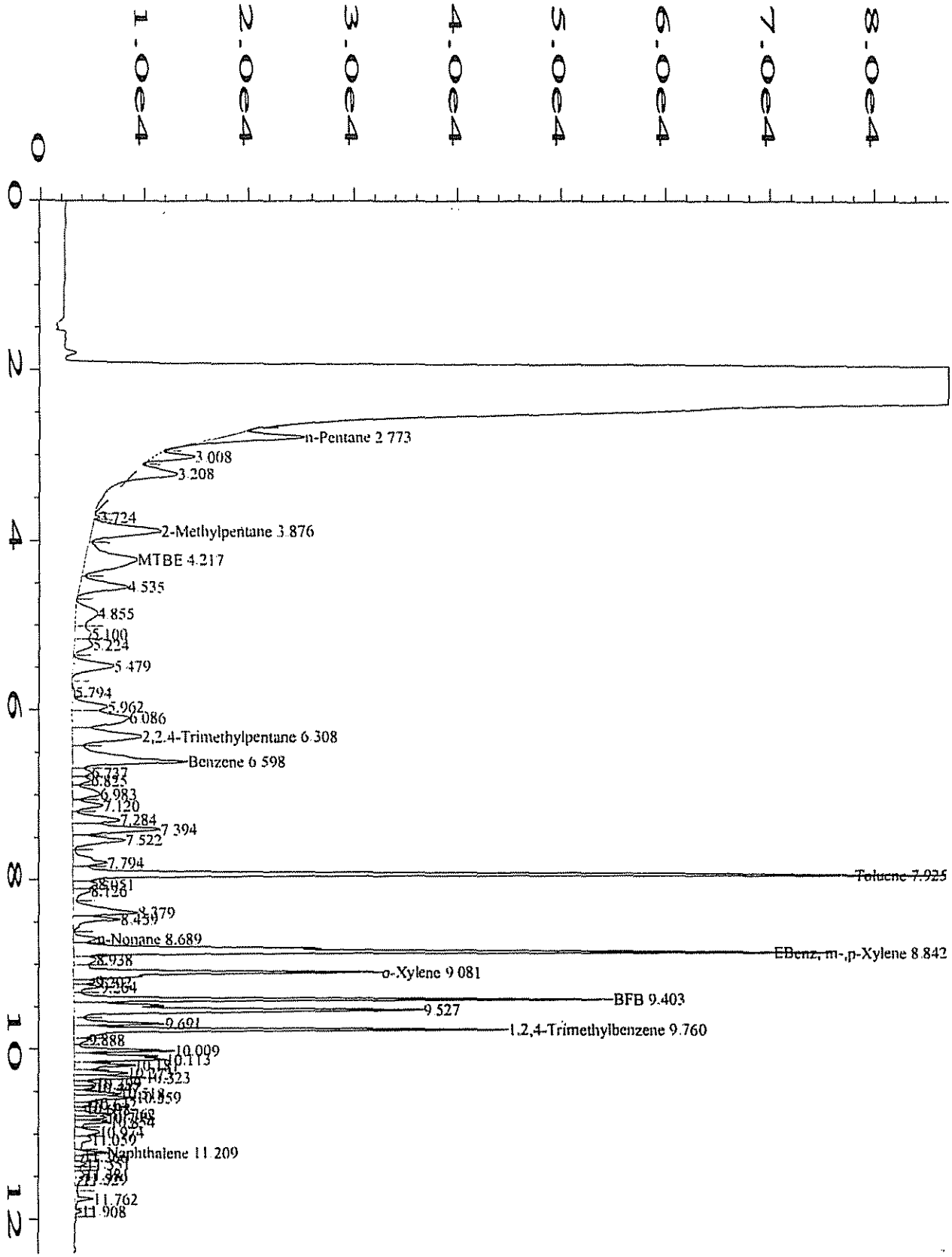

Data File Name	: C:\HPCHEM\1\DATA\vp070505\034F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 34
Sample Name	: 137269 x1 MS	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 05 Jul 05 09:18 PM	Instrument Method:	GAS1.MTH
Report Created on:	06 Jul 05 07:07 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

ata File Name : C:\HPCHEM\1\DATA\vp070505\034R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137269 x1 MS
un Time Bar Code:
cquired on : 05 Jul 05 09:18 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 34
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\vp070505\034R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.839	74379	VV	0.145	1	11.861	n-Pentane
3.891	59926	VV	0.159	1	6.346	2-Methylpentane
4.299	108776	VV	0.160	1	3.609	MTBE
6.319	67223	VV	0.131	1	4.418	2,2,4-Trimethylpentane
6.609	227395	VV	0.079	1	2.858	Benzene
7.929	567442	VV	0.045	1	13.907	Toluene
8.702	9223	VV	0.067	1	1.359	n-Nonane
8.843	439493	VV	0.043	1	12.993	ethbzene/m,p-xylene
9.082	149462	VV	0.043	1	3.859	o-Xylene
9.405	497890	VV	0.050	1	33.510	BFB(pid)
9.761	171066	VV	0.050	1	5.572	1,2,4-Trimethylbenzene
11.209	13807	VV	0.043	1	0.789	Naphthalene(pid)
2.155	284067	BV	0.128		2840.666	* uncalibrated *
2.501	72583	VV	0.145		725.828	* uncalibrated *
3.020	76913	VV	0.091		769.132	* uncalibrated *
3.215	122576	VV	0.151		1225.755	* uncalibrated *
4.075	21314	VV	0.097		213.144	* uncalibrated *
4.519	38365	VV	0.141		383.655	* uncalibrated *
4.853	47461	VV	0.182		474.610	* uncalibrated *
5.099	13967	VV	0.099		139.666	* uncalibrated *
5.228	23517	VV	0.123		235.165	* uncalibrated *
5.493	16732	VV	0.116		167.325	* uncalibrated *
5.796	2152	PV	0.091		21.518	* uncalibrated *
6.084	62840	VV	0.136		628.397	* uncalibrated *
6.825	11950	VV	0.065		119.504	* uncalibrated *
6.994	16376	VV	0.094		163.757	* uncalibrated *
7.127	20026	VV	0.074		200.258	* uncalibrated *
7.291	26802	VV	0.071		268.015	* uncalibrated *
7.396	50573	VV	0.084		505.726	* uncalibrated *
7.529	28639	VV	0.086		286.390	* uncalibrated *
7.750	9896	VV	0.064		98.959	* uncalibrated *
7.790	8638	VV	0.049		86.382	* uncalibrated *
8.367	34137	VV	0.093		341.369	* uncalibrated *
8.461	18653	VV	0.063		186.533	* uncalibrated *
8.961	13266	VV	0.060		132.657	* uncalibrated *
9.265	14339	VV	0.051		143.391	* uncalibrated *
9.529	193155	VV	0.054		1931.550	* uncalibrated *
9.691	33684	VV	0.038		336.838	* uncalibrated *
9.888	8593	VV	0.059		85.926	* uncalibrated *
10.010	34798	VV	0.036		347.977	* uncalibrated *
10.113	59802	VV	0.054		598.016	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070505\034R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137269 x1 MS
un Time Bar Code:
cquired on : 05 Jul 05 09:18 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 34
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.181	27284	VV	0.048	272.838	* uncalibrated *
10.274	21858	VV	0.046	218.584	* uncalibrated *
10.323	24123	VV	0.036	241.226	* uncalibrated *
10.400	8307	VV	0.046	83.072	* uncalibrated *
10.447	7706	VV	0.040	77.056	* uncalibrated *
10.560	47502	VV	0.080	475.019	* uncalibrated *
10.643	6406	VV	0.043	64.064	* uncalibrated *
10.698	4134	VV	0.041	41.344	* uncalibrated *
10.763	13682	VV	0.041	136.818	* uncalibrated *
10.799	10449	VV	0.037	104.487	* uncalibrated *
10.854	13449	VV	0.049	134.486	* uncalibrated *
10.974	20851	VV	0.081	208.510	* uncalibrated *
11.067	10284	VV	0.062	102.841	* uncalibrated *
11.266	4765	VV	0.058	47.648	* uncalibrated *
11.351	5362	VV	0.044	53.618	* uncalibrated *
11.481	7822	VV	0.067	78.223	* uncalibrated *
11.762	10998	VV	0.043	109.983	* uncalibrated *
11.908	4272	VV	0.062	42.724	* uncalibrated *
12.358	283	PBA	0.020	2.827	* uncalibrated *

External Standard Report

Data File Name : C:\HPCHEM\1\DATA\vp070505\035F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-2E x1 MSD
Run Time Bar Code: 137269
Acquired on : 05 Jul 05 09:44 PM
Report Created on: 06 Jul 05 07:07 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 35
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\vp070505\035F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.774	43690	BV	0.084	1	43.578	n-Pentane
3.876	52031	VV	0.114	1	9.241	2-Methylpentane
4.217	59980	VV	0.165	1	140.602	MTBE
6.308	56103	VV	0.114	1	10.776	2,2,4-Trimethylpentane
6.598	70720	VV	0.085	1	8.963	Benzene
7.925	221046	VV	0.040	1	23.464	Toluene
8.684	7649	VV	0.054	1	1.919	n-Nonane
8.841	212763	VV	0.041	1	20.799	EBenz, m-,p-Xylene
9.080	80748	VV	0.049	1	8.017	o-Xylene
9.402	98699	VV	0.030	1	380.187	BFB
9.760	94796	VV	0.046	1	10.089	1,2,4-Trimethylbenzene
11.209	6116	VV	0.031	1	1.443	Naphthalene
3.009	17837	PV	0.070		178.370	* uncalibrated *
3.208	14511	PV	0.064		145.107	* uncalibrated *
3.724	1029	PV	0.031		10.294	* uncalibrated *
4.534	33390	VV	0.106		333.904	* uncalibrated *
4.855	24992	PV	0.175		249.922	* uncalibrated *
5.100	12786	VV	0.111		127.861	* uncalibrated *
5.224	13034	VV	0.109		130.344	* uncalibrated *
5.479	27307	VV	0.105		273.074	* uncalibrated *
5.793	1804	PV	0.088		18.037	* uncalibrated *
5.961	20613	VV	0.085		206.131	* uncalibrated *
6.085	51116	VV	0.123		511.162	* uncalibrated *
6.737	9666	VV	0.073		96.658	* uncalibrated *
6.825	7957	VV	0.065		79.573	* uncalibrated *
6.982	18540	VV	0.106		185.396	* uncalibrated *
7.119	13144	VV	0.072		131.437	* uncalibrated *
7.283	24287	VV	0.073		242.865	* uncalibrated *
7.391	40778	VV	0.075		407.777	* uncalibrated *
7.523	25998	VV	0.079		259.982	* uncalibrated *
7.794	16037	VV	0.065		160.369	* uncalibrated *
8.051	13115	VV	0.097		131.147	* uncalibrated *
8.380	20883	VV	0.065		208.826	* uncalibrated *
8.459	11977	VV	0.054		119.770	* uncalibrated *
8.930	6036	VV	0.073		60.357	* uncalibrated *
9.202	3734	VV	0.037		37.340	* uncalibrated *
9.264	6498	VV	0.041		64.984	* uncalibrated *
9.527	115911	VV	0.056		1159.110	* uncalibrated *
9.690	20563	VV	0.035		205.627	* uncalibrated *
9.889	3586	VV	0.051		35.857	* uncalibrated *
10.009	20874	VV	0.033		208.742	* uncalibrated *
10.113	36256	VV	0.053		362.557	* uncalibrated *
10.181	14910	VV	0.045		149.103	* uncalibrated *

External Standard Report

Data File Name : C:\HPCHEM\1\DATA\vp070505\035R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2047-2E x1 MSD
Run Time Bar Code: 137269
Acquired on : 05 Jul 05 09:44 PM
Report Created on: 06 Jul 05 07:07 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 35
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\vp070505\035R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.834	77586	VV	0.148	1	12.372	n-Pentane
3.891	63245	VV	0.161	1	6.697	2-Methylpentane
4.298	112367	VV	0.154	1	3.728	MTBE
6.320	75710	VV	0.131	1	4.976	2,2,4-Trimethylpentane
6.609	236893	VV	0.080	1	2.977	Benzene
7.928	584208	VV	0.045	1	14.317	Toluene
8.693	6685	VV	0.070	1	0.985	n-Nonane
8.843	464523	VV	0.042	1	13.733	ethbzene/m,p-xylene
9.081	138593	VV	0.039	1	3.578	o-Xylene
9.405	501442	VV	0.050	1	33.749	BFB(pid)
9.761	173265	VV	0.066	1	5.643	1,2,4-Trimethylbenzene
11.209	12777	VV	0.031	1	0.730	Naphthalene(pid)
2.158	291100	BV	0.132		2911.003	* uncalibrated *
2.501	74393	VV	0.147		743.925	* uncalibrated *
3.021	80455	VV	0.091		804.553	* uncalibrated *
3.215	126900	VV	0.153		1268.995	* uncalibrated *
4.076	21458	VV	0.095		214.575	* uncalibrated *
4.519	40200	VV	0.141		402.004	* uncalibrated *
4.853	49570	VV	0.180		495.703	* uncalibrated *
5.095	14027	VV	0.095		140.269	* uncalibrated *
5.228	25162	VV	0.125		251.620	* uncalibrated *
5.491	17321	VV	0.115		173.207	* uncalibrated *
5.792	2180	PV	0.088		21.801	* uncalibrated *
6.085	66976	VV	0.136		669.759	* uncalibrated *
6.825	12713	VV	0.066		127.134	* uncalibrated *
6.994	17824	VV	0.096		178.245	* uncalibrated *
7.126	19788	VV	0.075		197.876	* uncalibrated *
7.291	29815	VV	0.071		298.149	* uncalibrated *
7.394	53366	VV	0.084		533.656	* uncalibrated *
7.531	28891	VV	0.095		288.914	* uncalibrated *
7.792	17166	VV	0.088		171.658	* uncalibrated *
8.373	21813	VV	0.088		218.130	* uncalibrated *
8.461	12564	VV	0.062		125.641	* uncalibrated *
9.201	3430	VV	0.038		34.296	* uncalibrated *
9.265	11377	VV	0.046		113.773	* uncalibrated *
9.529	197930	VV	0.053		1979.296	* uncalibrated *
9.691	32653	VV	0.037		326.533	* uncalibrated *
9.889	7033	VV	0.057		70.328	* uncalibrated *
10.010	33763	VV	0.034		337.635	* uncalibrated *
10.113	60639	VV	0.053		606.388	* uncalibrated *
10.182	24979	VV	0.045		249.791	* uncalibrated *
10.274	22470	VV	0.049		224.704	* uncalibrated *
10.323	23458	VV	0.038		234.579	* uncalibrated *

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070505\035F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137269 x1 MSD
un Time Bar Code:
cquired on : 05 Jul 05 09:44 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 35
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070505\035F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.774	43690	BV	0.084	1	43.578	n-Pentane
3.876	52031	VV	0.114	1	9.241	2-Methylpentane
4.217	59980	VV	0.165	1	140.602	MTBE
6.308	56103	VV	0.114	1	10.776	2,2,4-Trimethylpentane
6.598	70720	VV	0.085	1	8.963	Benzene
7.925	221046	VV	0.040	1	23.464	Toluene
8.684	7649	VV	0.054	1	1.919	n-Nonane
8.841	212763	VV	0.041	1	20.799	EBenz, m-,p-Xylene
9.080	80748	VV	0.049	1	8.017	o-Xylene
9.402	98699	VV	0.030	1	380.187	BFB
9.760	94796	VV	0.046	1	10.089	1,2,4-Trimethylbenzene
11.209	6116	VV	0.031	1	1.443	Naphthalene
3.009	17837	PV	0.070		178.370	* uncalibrated *
3.208	14511	PV	0.064		145.107	* uncalibrated *
3.724	1029	PV	0.031		10.294	* uncalibrated *
4.534	33390	VV	0.106		333.904	* uncalibrated *
4.855	24992	PV	0.175		249.922	* uncalibrated *
5.100	12786	VV	0.111		127.861	* uncalibrated *
5.224	13034	VV	0.109		130.344	* uncalibrated *
5.479	27307	VV	0.105		273.074	* uncalibrated *
5.793	1804	PV	0.088		18.037	* uncalibrated *
5.961	20613	VV	0.085		206.131	* uncalibrated *
6.085	51116	VV	0.123		511.162	* uncalibrated *
6.737	9666	VV	0.073		96.658	* uncalibrated *
6.825	7957	VV	0.065		79.573	* uncalibrated *
6.982	18540	VV	0.106		185.396	* uncalibrated *
7.119	13144	VV	0.072		131.437	* uncalibrated *
7.283	24287	VV	0.073		242.865	* uncalibrated *
7.391	40778	VV	0.075		407.777	* uncalibrated *
7.523	25998	VV	0.079		259.982	* uncalibrated *
7.794	16037	VV	0.065		160.369	* uncalibrated *
8.051	13115	VV	0.097		131.147	* uncalibrated *
8.380	20883	VV	0.065		208.826	* uncalibrated *
8.459	11977	VV	0.054		119.770	* uncalibrated *
8.930	6036	VV	0.073		60.357	* uncalibrated *
9.202	3734	VV	0.037		37.340	* uncalibrated *
9.264	6498	VV	0.041		64.984	* uncalibrated *
9.527	115911	VV	0.056		1159.110	* uncalibrated *
9.690	20563	VV	0.035		205.627	* uncalibrated *
9.889	3586	VV	0.051		35.857	* uncalibrated *
10.009	20874	VV	0.033		208.742	* uncalibrated *

ıta· File. Name : C:\HPCHEM\1\DATA\vp070505\035F0101.D
ɔerator : DCS
ıstrument : FID/PID
ımple Name : 137269 x1 MSD
ın Time Bar Code:
:quired on : 05 Jul 05 09:44 PM
ɜport Created on: 06 Jul 05 07:07 AM
ıst Recalib on : 24 AUG 04 09:09 AM
ıltiplier : 1

Page Number : 2
Vial Number : 35
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.113	36256	VV	0.053	362.557	* uncalibrated *
10.181	14910	VV	0.045	149.103	* uncalibrated *
10.273	14973	VV	0.046	149.733	* uncalibrated *
10.323	15105	VV	0.033	151.049	* uncalibrated *
10.399	4784	VV	0.044	47.838	* uncalibrated *
10.447	3419	VV	0.034	34.189	* uncalibrated *
10.518	9790	VV	0.036	97.904	* uncalibrated *
10.559	17385	VV	0.059	173.853	* uncalibrated *
10.644	3264	VV	0.040	32.636	* uncalibrated *
10.702	2420	VV	0.043	24.202	* uncalibrated *
10.762	7990	VV	0.039	79.903	* uncalibrated *
10.799	5703	VV	0.035	57.026	* uncalibrated *
10.854	8102	VV	0.045	81.023	* uncalibrated *
10.973	8962	VV	0.066	89.615	* uncalibrated *
11.054	5643	VV	0.070	56.429	* uncalibrated *
11.352	3593	VV	0.051	35.927	* uncalibrated *
11.482	3040	VV	0.051	30.397	* uncalibrated *
11.763	5037	VV	0.044	50.366	* uncalibrated *
11.909	1211	VV	0.033	12.113	* uncalibrated *

alibration table contains at least one peak with amt = 0

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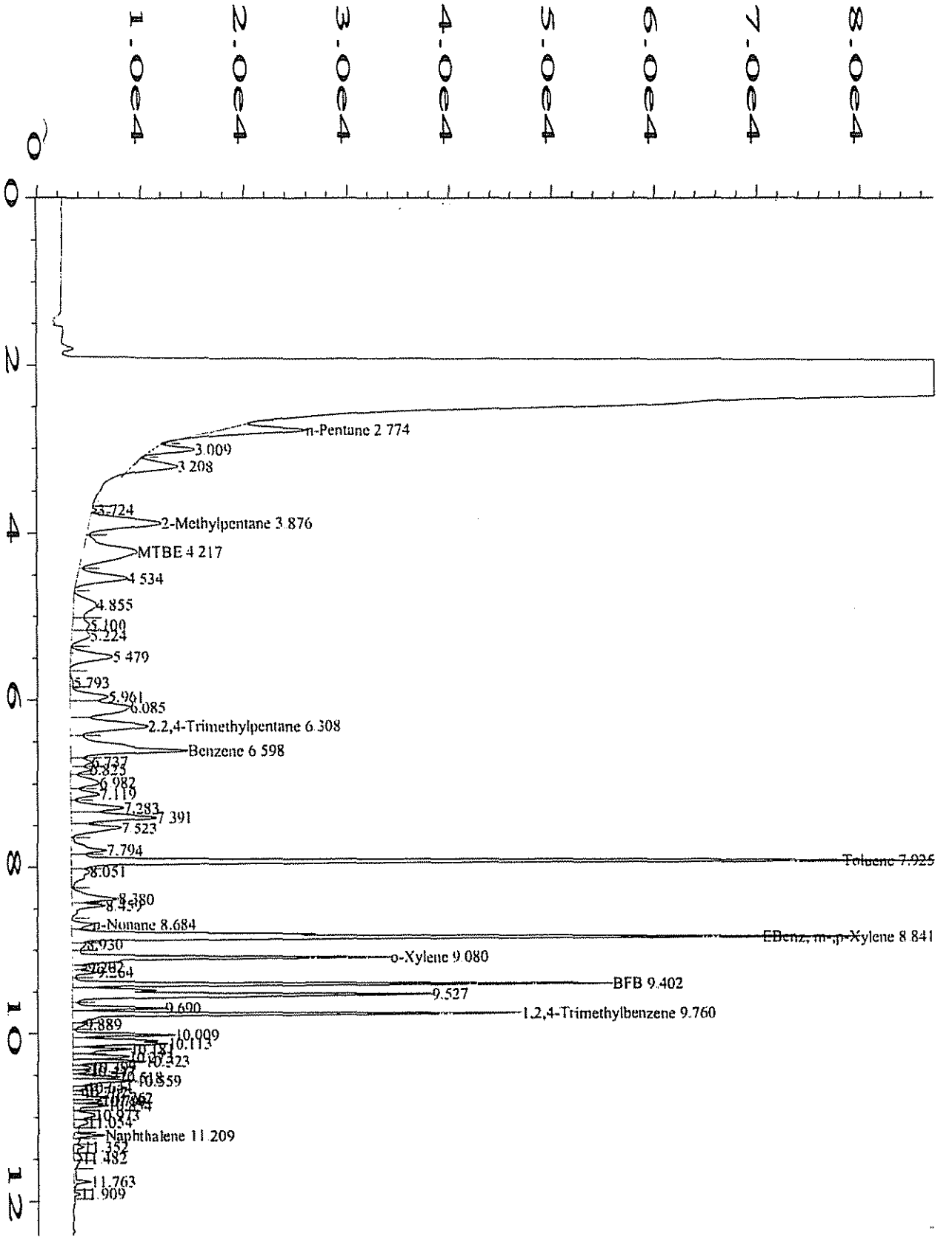

Data File Name	: C:\HPCHEM\1\DATA\vp070505\035F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 35
Sample Name	: 137269 x1 MSD	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 05 Jul 05 09:44 PM	Instrument Method:	GAS1.MTH
Report Created on:	06 Jul 05 07:07 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

ta File Name	: C:\HPCHEM\1\DATA\vp070505\035R0101.D		
ıerator	: DCS	Page Number	: 1
ıstrument	: FID/PID	Vial Number	: 35
ımple Name	: 137269 x1 MSD	Injection Number	: 1
ın Time Bar Code:		Sequence Line	: 1
:quired on	: 05 Jul 05 09:44 PM	Instrument Method:	GAS1.MTH
:port Created on:	06 Jul 05 07:07 AM	Analysis Method	: vph_pid.MTH
ıst Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ıltiplier	: 1	ISTD Amount	:

ıg. 2 in C:\HPCHEM\1\DATA\vp070505\035R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.834	77586	VV	0.148	1	12.372	n-Pentane
3.891	63245	VV	0.161	1	6.697	2-Methylpentane
4.298	112367	VV	0.154	1	3.728	MTBE
6.320	75710	VV	0.131	1	4.976	2,2,4-Trimethylpentane
6.609	236893	VV	0.080	1	2.977	Benzene
7.928	584208	VV	0.045	1	14.317	Toluene
8.693	6685	VV	0.070	1	0.985	n-Nonane
8.843	464523	VV	0.042	1	13.733	ethbzene/m,p-xylene
9.081	138593	VV	0.039	1	3.578	o-Xylene
9.405	501442	VV	0.050	1	33.749	BFB(pid)
9.761	173265	VV	0.066	1	5.643	1,2,4-Trimethylbenzene
11.209	12777	VV	0.031	1	0.730	Naphthalene(pid)
2.158	291100	BV	0.132		2911.003	* uncalibrated *
2.501	74393	VV	0.147		743.925	* uncalibrated *
3.021	80455	VV	0.091		804.553	* uncalibrated *
3.215	126900	VV	0.153		1268.995	* uncalibrated *
4.076	21458	VV	0.095		214.575	* uncalibrated *
4.519	40200	VV	0.141		402.004	* uncalibrated *
4.853	49570	VV	0.180		495.703	* uncalibrated *
5.095	14027	VV	0.095		140.269	* uncalibrated *
5.228	25162	VV	0.125		251.620	* uncalibrated *
5.491	17321	VV	0.115		173.207	* uncalibrated *
5.792	2180	PV	0.088		21.801	* uncalibrated *
6.085	66976	VV	0.136		669.759	* uncalibrated *
6.825	12713	VV	0.066		127.134	* uncalibrated *
6.994	17824	VV	0.096		178.245	* uncalibrated *
7.126	19788	VV	0.075		197.876	* uncalibrated *
7.291	29815	VV	0.071		298.149	* uncalibrated *
7.394	53366	VV	0.084		533.656	* uncalibrated *
7.531	28891	VV	0.095		288.914	* uncalibrated *
7.792	17166	VV	0.088		171.658	* uncalibrated *
8.373	21813	VV	0.088		218.130	* uncalibrated *
8.461	12564	VV	0.062		125.641	* uncalibrated *
9.201	3430	VV	0.038		34.296	* uncalibrated *
9.265	11377	VV	0.046		113.773	* uncalibrated *
9.529	197930	VV	0.053		1979.296	* uncalibrated *
9.691	32653	VV	0.037		326.533	* uncalibrated *
9.889	7033	VV	0.057		70.328	* uncalibrated *
10.010	33763	VV	0.034		337.635	* uncalibrated *
10.113	60639	VV	0.053		606.388	* uncalibrated *
10.182	24979	VV	0.045		249.791	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070505\035R0101.D
perator : DCS
nstrument : FID/PID
ample Name : 137269 x1 MSD
an Time Bar Code:
cquired on : 05 Jul 05 09:44 PM
eport Created on: 06 Jul 05 07:07 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 35
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.274	22470	VV	0.049	224.704	* uncalibrated *
10.323	23458	VV	0.038	234.579	* uncalibrated *
10.400	6483	VV	0.043	64.827	* uncalibrated *
10.447	6023	VV	0.038	60.226	* uncalibrated *
10.560	46267	VV	0.076	462.672	* uncalibrated *
10.645	4922	VV	0.040	49.222	* uncalibrated *
10.703	3662	VV	0.042	36.624	* uncalibrated *
10.763	12962	VV	0.040	129.621	* uncalibrated *
10.799	8821	VV	0.034	88.211	* uncalibrated *
10.854	12369	VV	0.047	123.694	* uncalibrated *
10.974	14203	VV	0.067	142.028	* uncalibrated *
11.065	10469	VV	0.101	104.689	* uncalibrated *
11.266	3656	VV	0.057	36.560	* uncalibrated *
11.352	4558	VV	0.053	45.580	* uncalibrated *
11.482	10006	VV	0.094	100.058	* uncalibrated *
11.763	9413	VV	0.040	94.126	* uncalibrated *
11.908	4180	VV	0.047	41.804	* uncalibrated *
12.358	266	PBA	0.022	2.658	* uncalibrated *

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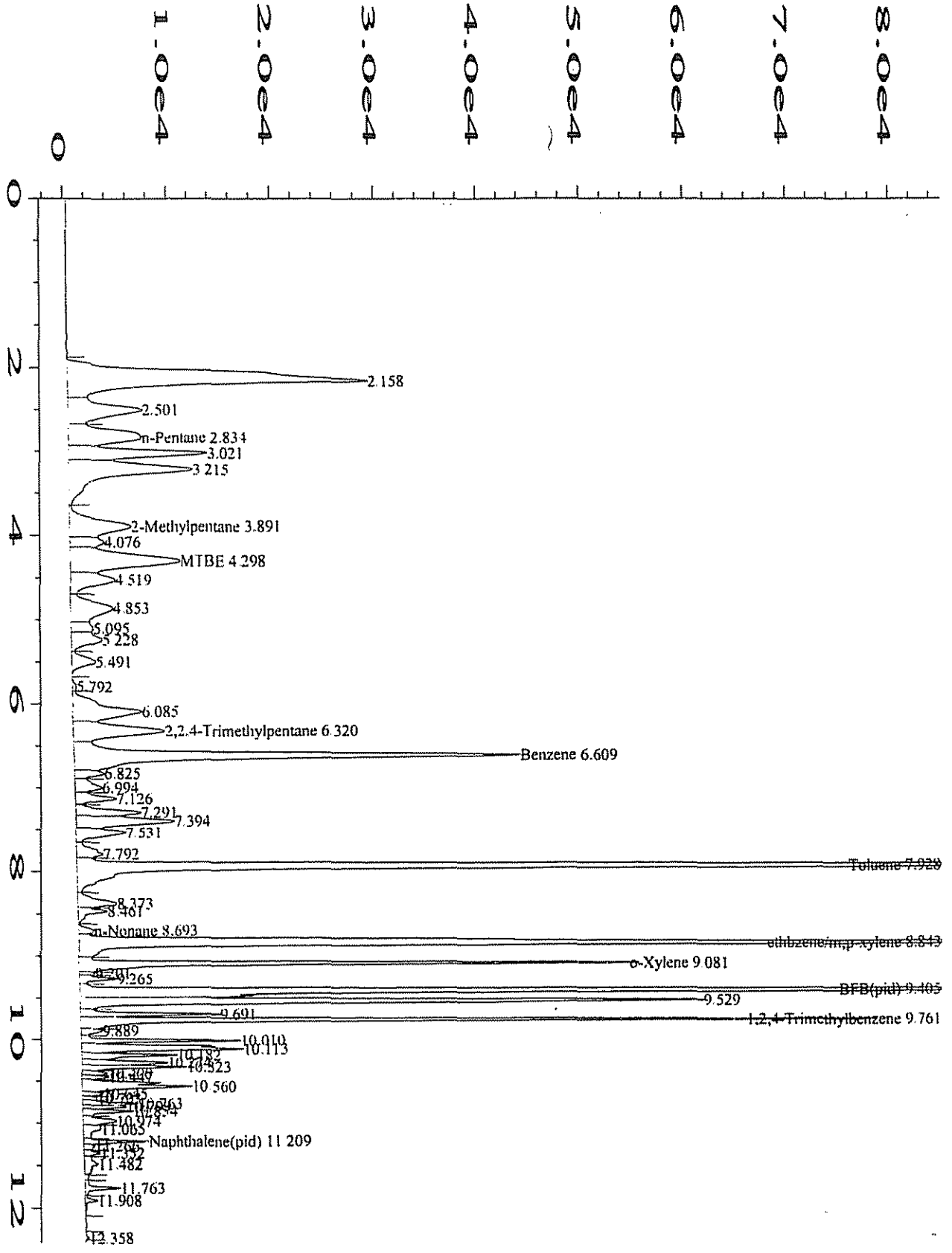


Data File Name	: C:\HPCHEM\1\DATA\vp070505\035R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 35
Sample Name	: 137269 x1 MSD	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 05 Jul 05 09:44 PM	Instrument Method	: GAS1.MTH
Report Created on	: 06 Jul 05 07:07 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

ata File Name	: C:\HPCHEM\1\DATA\vp070705\009F0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 9
ample Name	: vblk4070705a	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 07 Jul 05 11:13 AM	Instrument Method	: GAS1.MTH
eport Created on	: 07 Jul 05 03:21 PM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

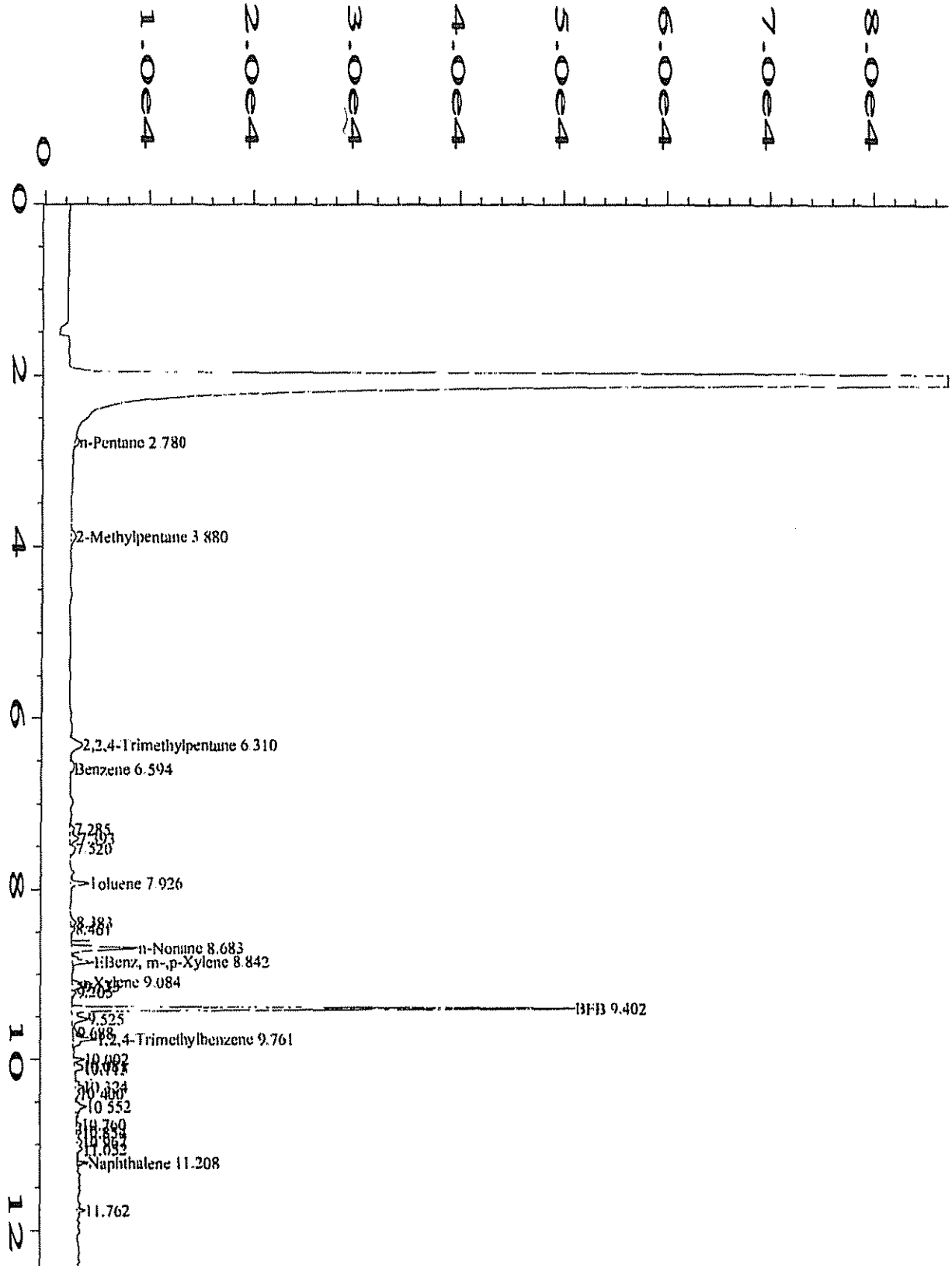
ig. 1 in C:\HPCHEM\1\DATA\vp070705\009F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.780	2058	BB	0.078	1	2.053	n-Pentane
3.880	3204	BV	0.102	1	0.569	2-Methylpentane
4.282	* not found *			1		MTBE
6.310	7953	VV	0.105	1	1.528	2,2,4-Trimethylpentane
6.594	2766	VB	0.097	1	0.351	Benzene
7.926	4577	VV	0.041	1	0.486	Toluene
8.683	17387	BV	0.041	1	4.363	n-Nonane
8.842	5923	VV	0.041	1	0.579	EBenz, m-,p-Xylene
9.084	1561	BV	0.034	1	0.155	o-Xylene
9.402	89894	PV	0.029	1	346.272	BFB
9.761	8033	VV	0.049	1	0.855	1,2,4-Trimethylbenzene
11.208	2128	VV	0.031	1	0.502	Naphthalene
7.285	1894	PV	0.065		18.937	* uncalibrated *
7.393	4061	VV	0.074		40.612	* uncalibrated *
7.520	3110	VB	0.082		31.099	* uncalibrated *
8.383	2390	BV	0.060		23.904	* uncalibrated *
8.461	1649	VB	0.057		16.493	* uncalibrated *
9.133	3223	VV	0.045		32.233	* uncalibrated *
9.205	1518	VV	0.047		15.177	* uncalibrated *
9.525	6303	VV	0.058		63.031	* uncalibrated *
9.688	1623	VV	0.064		16.231	* uncalibrated *
10.002	2221	PV	0.034		22.207	* uncalibrated *
10.081	1677	VV	0.036		16.769	* uncalibrated *
10.113	1734	VV	0.035		17.341	* uncalibrated *
10.324	2913	BV	0.051		29.132	* uncalibrated *
10.400	1495	VV	0.055		14.949	* uncalibrated *
10.552	3903	VV	0.052		39.031	* uncalibrated *
10.760	1184	VV	0.043		11.841	* uncalibrated *
10.854	1386	VV	0.041		13.856	* uncalibrated *
10.967	2032	VV	0.066		20.323	* uncalibrated *
11.052	1559	VV	0.045		15.593	* uncalibrated *
11.762	1632	VV	0.033		16.318	* uncalibrated *

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found

Data File Name	: C:\HPCHEM\1\DATA\vp070705\009F0101.D		
Operator	: DCS	Page Number	: 2
Instrument	: FID/PID	Vial Number	: 9
Sample Name	: vblk4070705a	Injection Number	: 1
Run Time Bar Code	:	Sequence Line	: 1
Acquired on	: 07 Jul 05 11:13 AM	Instrument Method	: GAS1.MTH
Report Created on	: 07 Jul 05 03:21 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:



Data File Name	: C:\HPCHEM\1\DATA\vp070705\009F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 9
Sample Name	: vblk4070705a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 11:13 AM	Instrument Method:	GAS1.MTH
Report Created on:	07 Jul 05 03:21 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\vp070705\009R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 9
Sample Name	: vblk4070705a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 11:13 AM	Instrument Method	: GAS1.MTH
Report Created on	: 07 Jul 05 03:21 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\vp070705\009R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.829	* not found *			1		n-Pentane
3.895	1858	BV	0.102	1	0.197	2-Methylpentane
4.267	* not found *			1		MTBE
6.320	6968	BV	0.105	1	0.458	2,2,4-Trimethylpentane
6.606	4758	VB	0.064	1	0.0598	Benzene
7.928	11792	VB	0.049	1	0.289	Toluene
8.686	8469	BV	0.044	1	1.248	n-Nonane
8.844	13430	VV	0.045	1	0.397	ethbzene/m,p-xylene
9.084	3300	VV	0.038	1	0.0852	o-Xylene
9.406	429620	PV	0.033	1	28.915	BFB(pid)
9.762	10653	VV	0.043	1	0.347	1,2,4-Trimethylbenzene
11.209	4383	VV	0.031	1	0.250	Naphthalene(pid)
2.034	12002	BB	0.102		120.025	* uncalibrated *
7.291	2142	BV	0.068		21.419	* uncalibrated *
7.394	3812	VV	0.078		38.118	* uncalibrated *
7.529	2471	VB	0.101		24.705	* uncalibrated *
8.324	1471	BV	0.051		14.712	* uncalibrated *
8.382	1279	VV	0.048		12.794	* uncalibrated *
8.464	1315	VB	0.063		13.151	* uncalibrated *
9.132	2639	VV	0.047		26.385	* uncalibrated *
9.527	10221	VV	0.060		102.211	* uncalibrated *
9.689	2615	VV	0.055		26.153	* uncalibrated *
10.007	2286	VV	0.040		22.857	* uncalibrated *
10.114	5558	VV	0.054		55.577	* uncalibrated *
10.278	1393	VV	0.042		13.931	* uncalibrated *
10.325	2376	VV	0.036		23.761	* uncalibrated *
10.405	999	VV	0.048		9.992	* uncalibrated *
10.559	5383	VV	0.057		53.828	* uncalibrated *
10.762	1797	VV	0.042		17.972	* uncalibrated *
10.805	1373	VV	0.034		13.734	* uncalibrated *
10.854	1632	VV	0.040		16.316	* uncalibrated *
10.972	3030	VV	0.066		30.302	* uncalibrated *
11.053	1768	VV	0.064		17.681	* uncalibrated *
11.353	820	PV	0.033		8.199	* uncalibrated *
11.482	1115	VV	0.058		11.150	* uncalibrated *
11.763	3828	VV	0.037		38.280	* uncalibrated *
11.909	1307	VV	0.034		13.070	* uncalibrated *
12.257	1351	PV	0.100		13.506	* uncalibrated *
12.359	918	VBA	0.035		9.184	* uncalibrated *

Data File Name	: C:\HPCHEM\1\DATA\vp070705\009R0101.D		
Operator	: DCS	Page Number	: 2
Instrument	: FID/PID	Vial Number	: 9
Sample Name	: vblk4070705a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 11:13 AM	Instrument Method:	GAS1.MTH
Report Created on:	07 Jul 05 03:21 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Not all calibrated peaks were found

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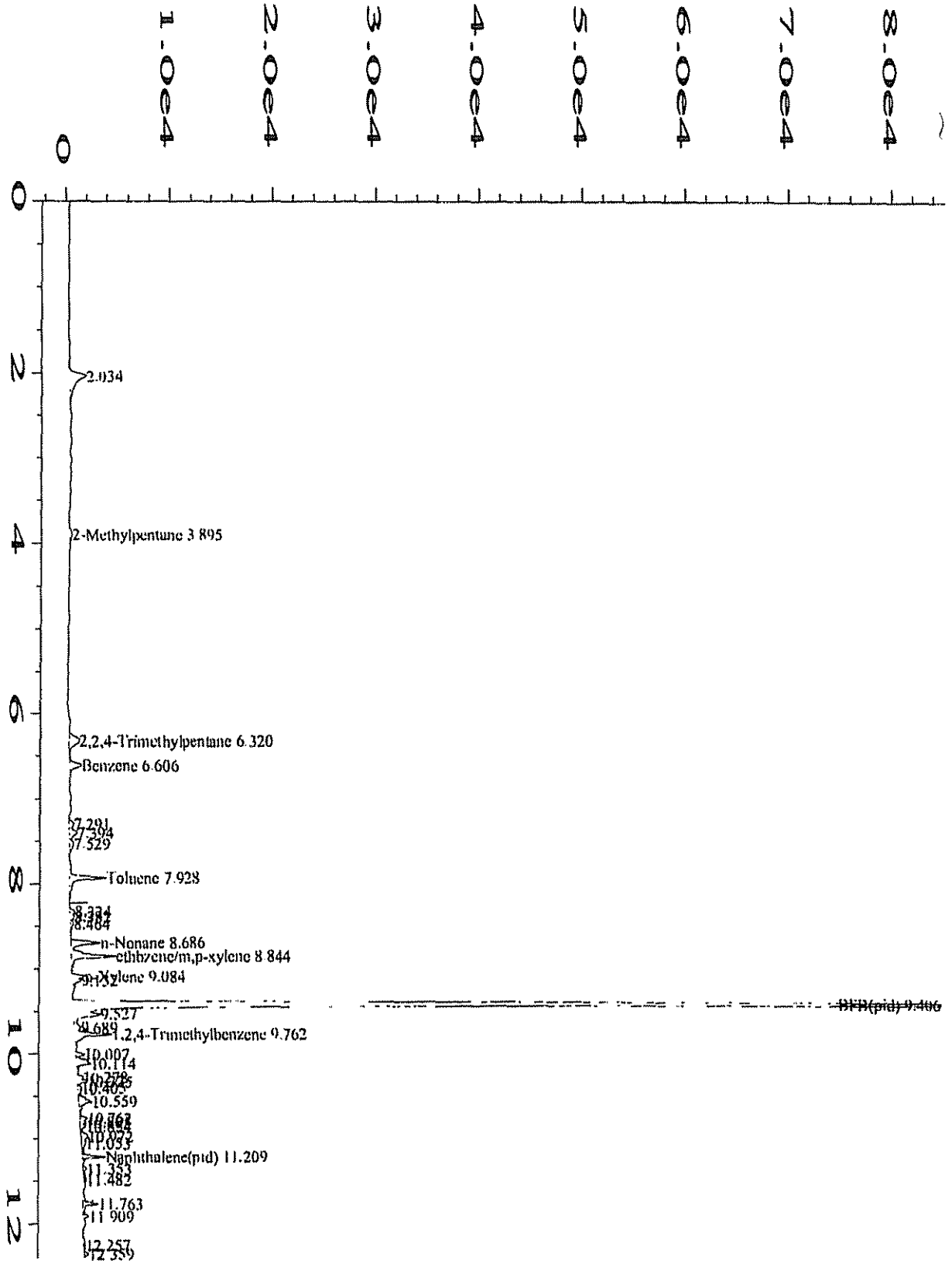

Data File Name	: C:\HPCHEM\1\DATA\vp070705\009R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 9
Sample Name	: vblk4070705a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 11:13 AM	Instrument Method:	GAS1.MTH
Report Created on:	07 Jul 05 03:21 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\vp070705\008F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 8
Sample Name	: lcs4070705a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 10:47 AM	Instrument Method:	GAS1.MTH
Report Created on:	07 Jul 05 03:21 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

5/8 w7/8

Sig. 1 in C:\HPCHEM\1\DATA\vp070705\008F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.783	52146	BV	0.088	1	52.013	n-Pentane
3.877	68394	BV	0.130	1	12.148	2-Methylpentane
4.226	76511	VV	0.193	1	179.353	MTBE
6.307	60023	VV	0.114	1	11.529	2,2,4-Trimethylpentane
6.598	75100	VV	0.082	1	9.518	Benzene
7.925	239189	VV	0.071	1	25.390	Toluene
8.684	32889	VV	0.046	1	8.252	n-Nonane
8.841	221452	VV	0.063	1	21.648	EBenz, m-,p-Xylene
9.081	78296	VV	0.051	1	7.774	o-Xylene
9.403	91748	PV	0.044	1	353.411	BFB
9.760	113261	VV	0.056	1	12.055	1,2,4-Trimethylbenzene
11.209	11255	VV	0.052	1	2.656	Naphthalene
3.014	20398	PV	0.077		203.982	* uncalibrated *
3.212	39722	VV	0.126		397.217	* uncalibrated *
4.533	34246	VV	0.112		342.461	* uncalibrated *
4.856	26396	VV	0.179		263.962	* uncalibrated *
5.099	12597	VV	0.109		125.971	* uncalibrated *
5.224	14472	VV	0.114		144.724	* uncalibrated *
5.478	28070	VV	0.107		280.702	* uncalibrated *
5.794	1933	PV	0.105		19.331	* uncalibrated *
5.962	18929	VV	0.084		189.287	* uncalibrated *
6.087	48975	VV	0.138		489.750	* uncalibrated *
6.736	9616	VV	0.072		96.165	* uncalibrated *
6.824	7932	VV	0.065		79.325	* uncalibrated *
6.980	17848	VV	0.108		178.482	* uncalibrated *
7.118	11984	VV	0.073		119.836	* uncalibrated *
7.283	23285	VV	0.073		232.846	* uncalibrated *
7.390	37440	VV	0.076		374.400	* uncalibrated *
7.526	24082	VV	0.090		240.822	* uncalibrated *
7.795	15365	VV	0.079		153.649	* uncalibrated *
8.378	12618	VV	0.070		126.183	* uncalibrated *
8.461	7469	VV	0.073		74.691	* uncalibrated *
9.263	5522	VV	0.041		55.222	* uncalibrated *
9.529	105641	VV	0.050		1056.414	* uncalibrated *
10.009	19908	VV	0.046		199.080	* uncalibrated *
10.108	45295	VV	0.075		452.954	* uncalibrated *
10.322	28218	VV	0.072		282.182	* uncalibrated *
10.399	7663	VV	0.075		76.627	* uncalibrated *
10.558	28218	VV	0.066		282.181	* uncalibrated *
10.764	23227	VV	0.097		232.275	* uncalibrated *
10.970	8728	VV	0.067		87.282	* uncalibrated *

Data File Name : C:\HPCHEM\1\DATA\vp070705\008F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : lcs4070705a
Run Time Bar Code:
Acquired on : 07 Jul 05 10:47 AM
Report Created on: 07 Jul 05 03:21 PM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 2
Vial Number : 8
Injection Number : 1
Sequence Line : 1
Instrument Method:)GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

11.054	5758	VV	0.072	57.579	* uncalibrated *
11.351	2849	VV	0.055	28.485	* uncalibrated *
11.478	5587	VV	0.115	55.873	* uncalibrated *
11.763	5112	VV	0.059	51.116	* uncalibrated *

Calibration table contains at least one peak with amt = 0

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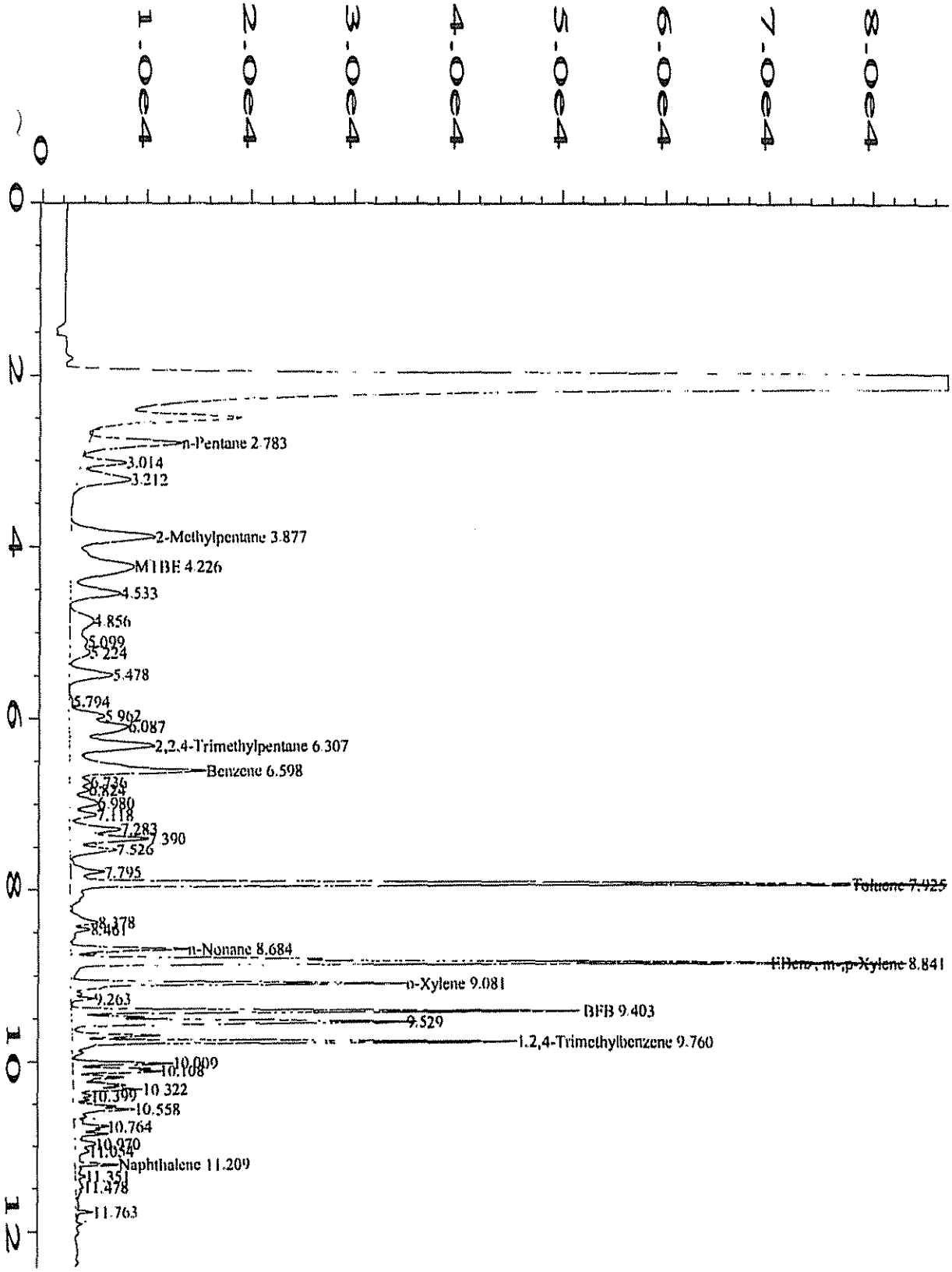

Data File Name	: C:\HPCHEM\1\DATA\vp070705\008F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 8
Sample Name	: lcs4070705a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 10:47 AM	Instrument Method:	GAS1.MTH
Report Created on:	07 Jul 05 03:21 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\vp070705\008R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 8
Sample Name	: lcs4070705a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 10:47 AM	Instrument Method:	GAS1.MTH
Report Created on:	07 Jul 05 03:21 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\vp070705\008R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.834	58219	VV	0.141	1	9.284	n-Pentane
3.890	56636	VV	0.152	1	5.997	2-Methylpentane
4.290	115564	VV	0.150	1	3.834	MTBE
6.318	76034	VV	0.128	1	4.997	2,2,4-Trimethylpentane
6.608	255948	VV	0.077	1	3.217	Benzene
7.929	608086	VV	0.045	1	14.903	Toluene
8.686	17303	VV	0.048	1	2.549	n-Nonane
8.843	476863	VV	0.042	1	14.098	ethbzene/m,p-xylene
9.082	133816	VV	0.037	1	3.455	o-Xylene
9.406	463629	PV	0.049	1	31.204	BFB(pid)
9.761	165509	VV	0.034	1	5.391	1,2,4-Trimethylbenzene
11.209	22646	VV	0.047	1	1.294	Naphthalene(pid)
2.045	46409	BV	0.082		464.091	* uncalibrated *
2.167	21707	VV	0.080		217.067	* uncalibrated *
2.513	52887	VV	0.135		528.871	* uncalibrated *
3.021	59123	VV	0.088		591.229	* uncalibrated *
3.216	100797	VV	0.154		1007.973	* uncalibrated *
4.074	19451	VV	0.096		194.507	* uncalibrated *
4.517	36065	VV	0.138		360.649	* uncalibrated *
4.853	46473	VV	0.182		464.733	* uncalibrated *
5.093	12516	VV	0.092		125.158	* uncalibrated *
5.228	23261	VV	0.123		232.605	* uncalibrated *
5.490	15630	VV	0.115		156.299	* uncalibrated *
5.794	1955	PV	0.085		19.548	* uncalibrated *
6.083	60681	VV	0.131		606.810	* uncalibrated *
6.824	12281	VV	0.066		122.810	* uncalibrated *
6.993	16009	VV	0.095		160.094	* uncalibrated *
7.124	16650	VV	0.076		166.499	* uncalibrated *
7.290	26997	VV	0.070		269.973	* uncalibrated *
7.393	47409	VV	0.084		474.091	* uncalibrated *
7.532	25213	VV	0.093		252.126	* uncalibrated *
7.794	14173	VV	0.083		141.725	* uncalibrated *
8.369	13855	VV	0.102		138.546	* uncalibrated *
8.463	6497	VV	0.060		64.971	* uncalibrated *
9.204	2006	VV	0.038		20.063	* uncalibrated *
9.265	8048	VV	0.042		80.475	* uncalibrated *
9.530	182672	VV	0.053		1826.722	* uncalibrated *
9.691	29327	VV	0.036		293.265	* uncalibrated *
9.892	5543	VV	0.056		55.435	* uncalibrated *
10.010	30448	VV	0.033		304.484	* uncalibrated *
10.113	54079	VV	0.052		540.785	* uncalibrated *

Data File Name : C:\HPCHEM\1\DATA\vp070705\008R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : lcs4070705a
Run Time Bar Code:
Acquired on : 07 Jul 05 10:47 AM
Report Created on: 07 Jul 05 03:21 PM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 2
Vial Number : 8
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.182	20350	VV	0.044	203.498	* uncalibrated *
10.274	20427	VV	0.048	204.267	* uncalibrated *
10.323	21311	VV	0.038	213.112	* uncalibrated *
10.400	5534	VV	0.042	55.337	* uncalibrated *
10.447	5085	VV	0.037	50.848	* uncalibrated *
10.518	14435	VV	0.035	144.347	* uncalibrated *
10.560	27012	VV	0.058	270.124	* uncalibrated *
10.645	4012	VV	0.039	40.123	* uncalibrated *
10.704	3309	VV	0.042	33.092	* uncalibrated *
10.762	12364	VV	0.040	123.642	* uncalibrated *
10.798	7827	VV	0.034	78.269	* uncalibrated *
10.854	11975	VV	0.048	119.754	* uncalibrated *
10.974	13466	VV	0.067	134.656	* uncalibrated *
11.042	8468	VV	0.088	84.682	* uncalibrated *
11.352	4701	VV	0.054	47.012	* uncalibrated *
11.483	10280	VV	0.099	102.802	* uncalibrated *
11.762	8829	VV	0.037	88.295	* uncalibrated *
11.908	3404	VV	0.051	34.037	* uncalibrated *
12.245	1418	PV	0.098	14.177	* uncalibrated *

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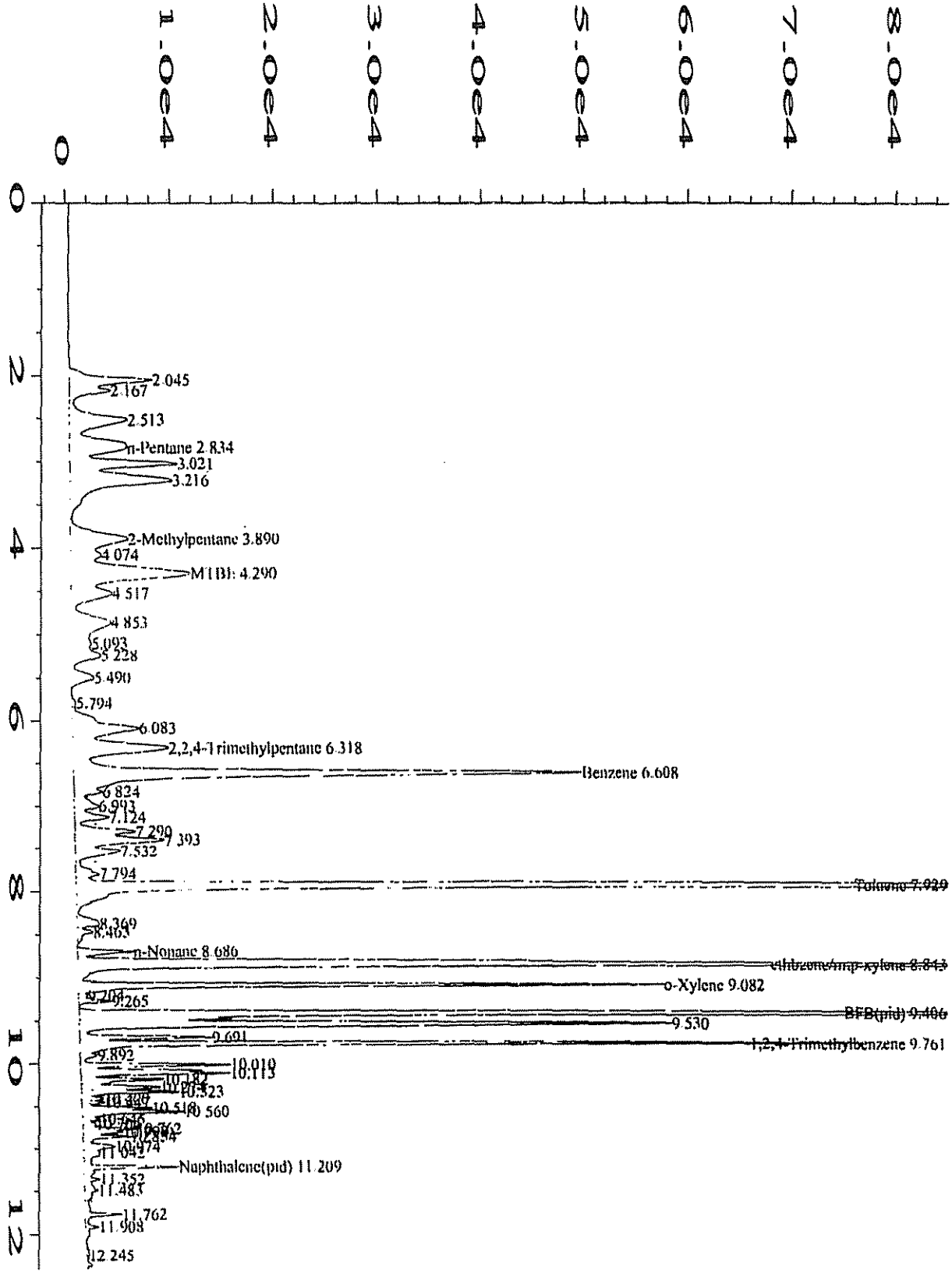

Data File Name	: C:\HPCHEM\1\DATA\vp070705\008R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 8
Sample Name	: lcs4070705a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 10:47 AM	Instrument Method:	GAS1.MTH
Report Created on:	07 Jul 05 03:21 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\vp070705\015F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2057-1B x1 MS
Run Time Bar Code: 138402
Acquired on : 07 Jul 05 01:44 PM
Report Created on: 07 Jul 05 03:21 PM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 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 :

Sig. 1 in C:\HPCHEM\1\DATA\vp070705\015F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.776	56796	BV	0.081	1	56.650	n-Pentane
3.863	123525	PV	0.136	1	21.940	2-Methylpentane
4.196	209556	VV	0.136	1	491.230	MTBE
6.260	71717	VV	0.124	1	13.775	2,2,4-Trimethylpentane
6.595	139775	VV	0.075	1	17.715	Benzene
7.923	211592	VV	0.040	1	22.461	Toluene
8.683	6026	PV	0.045	1	1.512	n-Nonane
8.840	188308	VV	0.040	1	18.408	EBenz, m-,p-Xylene
9.079	63457	VV	0.047	1	6.300	o-Xylene
9.402	81978	PV	0.030	1	315.780	BFB
9.759	59530	VV	0.047	1	6.336	1,2,4-Trimethylbenzene
11.208	8712	VV	0.048	1	2.056	Naphthalene
3.006	12952	PV	0.072		129.517	* uncalibrated *
3.242	35025	VV	0.152		350.251	* uncalibrated *
4.529	25208	VV	0.126		252.083	* uncalibrated *
4.953	29262	PV	0.134		292.618	* uncalibrated *
5.102	24695	VV	0.141		246.949	* uncalibrated *
5.473	77381	VV	0.108		773.805	* uncalibrated *
5.671	299187	VV	0.067		2991.872	* uncalibrated *
6.060	61190	VV	0.123		611.899	* uncalibrated *
6.989	9146	VV	0.059		91.457	* uncalibrated *
7.073	122588	VV	0.051		1225.883	* uncalibrated *
7.282	17548	VV	0.095		175.485	* uncalibrated *
7.382	16992	VV	0.076		169.917	* uncalibrated *
7.525	8601	VV	0.092		86.010	* uncalibrated *
7.741	13948	VV	0.071		139.481	* uncalibrated *
8.060	9390	VV	0.060		93.899	* uncalibrated *
8.228	1056	VV	0.038		10.556	* uncalibrated *
8.315	212438	VV	0.037		2124.383	* uncalibrated *
8.458	2718	VV	0.052		27.176	* uncalibrated *
8.959	2913	VV	0.054		29.125	* uncalibrated *
9.263	4064	VV	0.036		40.636	* uncalibrated *
9.526	79147	VV	0.053		791.468	* uncalibrated *
9.690	14259	VV	0.034		142.588	* uncalibrated *
10.008	13707	VV	0.033		137.069	* uncalibrated *
10.113	18040	VV	0.052		180.397	* uncalibrated *
10.181	9495	VV	0.044		94.947	* uncalibrated *
10.272	6088	VV	0.044		60.883	* uncalibrated *
10.320	8004	VV	0.036		80.037	* uncalibrated *
10.403	4093	VV	0.040		40.926	* uncalibrated *
10.445	5404	VV	0.038		54.042	* uncalibrated *
10.512	6112	VV	0.047		61.120	* uncalibrated *
10.556	5750	VV	0.041		57.501	* uncalibrated *

10.636	2703	VV	0.037	27.032	* uncalibrated *
10.691	3169	VV	0.036	31.694	* uncalibrated *
10.757	4372	VV	0.040	43.722	* uncalibrated *
10.800	2049	VV	0.033	20.487	* uncalibrated *
10.853	5538	VV	0.048	55.375	* uncalibrated *
10.979	4963	VV	0.064	49.633	* uncalibrated *
11.062	4430	VV	0.062	44.300	* uncalibrated *
11.762	2652	VV	0.053	26.522	* uncalibrated *

Calibration table contains at least one peak with amt = 0

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External Standard Report

Data File Name : C:\HPCHEM\1\DATA\vp070705\015R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2057-1B x1 MS
Run Time Bar Code: 138402
Acquired on : 07 Jul 05 01:44 PM
Report Created on: 07 Jul 05 03:21 PM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 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 :

Sig. 2 in C:\HPCHEM\1\DATA\vp070705\015R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.782	64825	VV	0.140	1	10.337	n-Pentane
3.873	106574	VV	0.156	1	11.286	2-Methylpentane
4.253	196294	VV	0.171	1	6.512	MTBE
6.268	103182	VV	0.134	1	6.781	2,2,4-Trimethylpentane
6.606	494657	VV	0.074	1	6.217	Benzene
7.926	528653	VV	0.044	1	12.956	Toluene
8.687	6791	VV	0.058	1	1.001	n-Nonane
8.842	406646	VV	0.042	1	12.022	ethbzene/m,p-xylene
9.080	115253	VV	0.051	1	2.976	o-Xylene
9.404	422043	VV	0.035	1	28.405	BFB(pid)
9.760	103898	VV	0.048	1	3.384	1,2,4-Trimethylbenzene
11.208	14239	VV	0.042	1	0.814	Naphthalene(pid)
1.490	1564	BV	0.040		15.639	* uncalibrated *
1.642	2483	VV	0.053		24.829	* uncalibrated *
1.820	11416	VV	0.082		114.157	* uncalibrated *
1.992	99119	VV	0.128		991.192	* uncalibrated *
2.156	16598	VV	0.077		165.980	* uncalibrated *
2.512	243599	VV	0.138		2435.993	* uncalibrated *
3.012	41339	VV	0.092		413.389	* uncalibrated *
3.226	61910	VV	0.219		619.099	* uncalibrated *
4.438	94954	VV	0.093		949.537	* uncalibrated *
4.843	23866	VV	0.145		238.656	* uncalibrated *
5.107	29758	VV	0.197		297.582	* uncalibrated *
5.486	34930	VV	0.111		349.296	* uncalibrated *
5.682	2774148	VV	0.083		27741.48	* uncalibrated *
6.069	68456	VV	0.123		684.565	* uncalibrated *
7.080	1324471	VV	0.058		13244.71	* uncalibrated *
7.284	18546	VV	0.065		185.456	* uncalibrated *
7.385	26583	VV	0.087		265.826	* uncalibrated *
7.529	9408	VV	0.098		94.082	* uncalibrated *
7.744	15550	VV	0.066		155.498	* uncalibrated *
8.060	17350	VV	0.060		173.504	* uncalibrated *
8.230	493	PV	0.029		4.934	* uncalibrated *
8.320	2685983	VV	0.053		26859.83	* uncalibrated *
8.959	5774	VV	0.058		57.737	* uncalibrated *
9.265	6299	VV	0.039		62.991	* uncalibrated *
9.528	135112	VV	0.051		1351.118	* uncalibrated *
9.690	21957	VV	0.035		219.572	* uncalibrated *
10.009	20657	VV	0.033		206.569	* uncalibrated *
10.113	28572	VV	0.051		285.716	* uncalibrated *
10.181	14388	VV	0.044		143.878	* uncalibrated *
10.271	9479	VV	0.042		94.793	* uncalibrated *
10.321	10431	VV	0.035		104.309	* uncalibrated *

10.403	4779	VV	0.037	47.792	* uncalibrated *
10.446	7429	VV	0.039	74.288	* uncalibrated *
10.514	9259	VV	0.047	92.594	* uncalibrated *
10.558	8004	VV	0.045	80.039	* uncalibrated *
10.636	2989	VV	0.035	29.889	* uncalibrated *
10.691	3818	VV	0.035	38.178	* uncalibrated *
10.758	8526	VV	0.052	85.256	* uncalibrated *
10.853	6887	VV	0.040	68.874	* uncalibrated *
10.979	6638	VV	0.063	66.378	* uncalibrated *
11.067	5158	VV	0.054	51.578	* uncalibrated *
11.125	2341	VV	0.048	23.411	* uncalibrated *
11.301	2466	VV	0.060	24.663	* uncalibrated *
11.762	5844	VV	0.062	58.435	* uncalibrated *
11.908	1810	VV	0.052	18.102	* uncalibrated *
12.356	601	PBA	0.048	6.009	* uncalibrated *

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External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp070705\015F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 138402 x1 MS
un Time Bar Code:
cquired on : 07 Jul 05 01:44 PM
eport Created on: 07 Jul 05 03:21 PM
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_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp070705\015F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.776	56796	BV	0.081	1	56.650	n-Pentane
3.863	123525	PV	0.136	1	21.940	2-Methylpentane
4.196	209556	VV	0.136	1	491.230	MTBE
6.260	71717	VV	0.124	1	13.775	2,2,4-Trimethylpentane
6.595	139775	VV	0.075	1	17.715	Benzene
7.923	211592	VV	0.040	1	22.461	Toluene
8.683	6026	PV	0.045	1	1.512	n-Nonane
8.840	188308	VV	0.040	1	18.408	EBenz, m-,p-Xylene
9.079	63457	VV	0.047	1	6.300	o-Xylene
9.402	81978	PV	0.030	1	315.780	BFB
9.759	59530	VV	0.047	1	6.336	1,2,4-Trimethylbenzene
11.208	8712	VV	0.048	1	2.056	Naphthalene
3.006	12952	PV	0.072		129.517	* uncalibrated *
3.242	35025	VV	0.152		350.251	* uncalibrated *
4.529	25208	VV	0.126		252.083	* uncalibrated *
4.953	29262	PV	0.134		292.618	* uncalibrated *
5.102	24695	VV	0.141		246.949	* uncalibrated *
5.473	77381	VV	0.108		773.805	* uncalibrated *
5.671	299187	VV	0.067		2991.872	* uncalibrated *
6.060	61190	VV	0.123		611.899	* uncalibrated *
6.989	9146	VV	0.059		91.457	* uncalibrated *
7.073	122588	VV	0.051		1225.883	* uncalibrated *
7.282	17548	VV	0.095		175.485	* uncalibrated *
7.382	16992	VV	0.076		169.917	* uncalibrated *
7.525	8601	VV	0.092		86.010	* uncalibrated *
7.741	13948	VV	0.071		139.481	* uncalibrated *
8.060	9390	VV	0.060		93.899	* uncalibrated *
8.228	1056	VV	0.038		10.556	* uncalibrated *
8.315	212438	VV	0.037		2124.383	* uncalibrated *
8.458	2718	VV	0.052		27.176	* uncalibrated *
8.959	2913	VV	0.054		29.125	* uncalibrated *
9.263	4064	VV	0.036		40.636	* uncalibrated *
9.526	79147	VV	0.053		791.468	* uncalibrated *
9.690	14259	VV	0.034		142.588	* uncalibrated *
10.008	13707	VV	0.033		137.069	* uncalibrated *
10.113	18040	VV	0.052		180.397	* uncalibrated *
10.181	9495	VV	0.044		94.947	* uncalibrated *
10.272	6088	VV	0.044		60.883	* uncalibrated *
10.320	8004	VV	0.036		80.037	* uncalibrated *
10.403	4093	VV	0.040		40.926	* uncalibrated *
10.445	5404	VV	0.038		54.042	* uncalibrated *

)

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)ata File Name    : C:\HPCHEM\1\DATA\vp070705\015F0101.D
)perator          : DCS                          Page Number       : 2
 nstrument        : FID/PID                      Vial Number       : 15
)ample Name       : 138402 x1 MS                 Injection Number  : 1
Run Time Bar Code:                               Sequence Line     : 1
\cquired on       : 07 Jul 05  01:44 PM          Instrument Method: GAS1.MTH
Report Created on: 07 Jul 05  03:21 PM           Analysis Method   : VPH_FID.MTH
Last Recalib on   : 24 AUG 04 09:09 AM           Sample Amount     : 0
Multiplier        : 1                            ISTD Amount       :

  10.512          6112 VV   0.047          61.120 * uncalibrated *
  10.556          5750 VV   0.041          57.501 * uncalibrated *
  10.636          2703 VV   0.037          27.032 * uncalibrated *
  10.691          3169 VV   0.036          31.694 * uncalibrated *
  10.757          4372 VV   0.040          43.722 * uncalibrated *
  10.800          2049 VV   0.033          20.487 * uncalibrated *
  10.853          5538 VV   0.048          55.375 * uncalibrated *
  10.979          4963 VV   0.064          49.633 * uncalibrated *
  11.062          4430 VV   0.062          44.300 * uncalibrated *
  11.762          2652 VV   0.053          26.522 * uncalibrated *

Calibration table contains at least one peak with amt = 0

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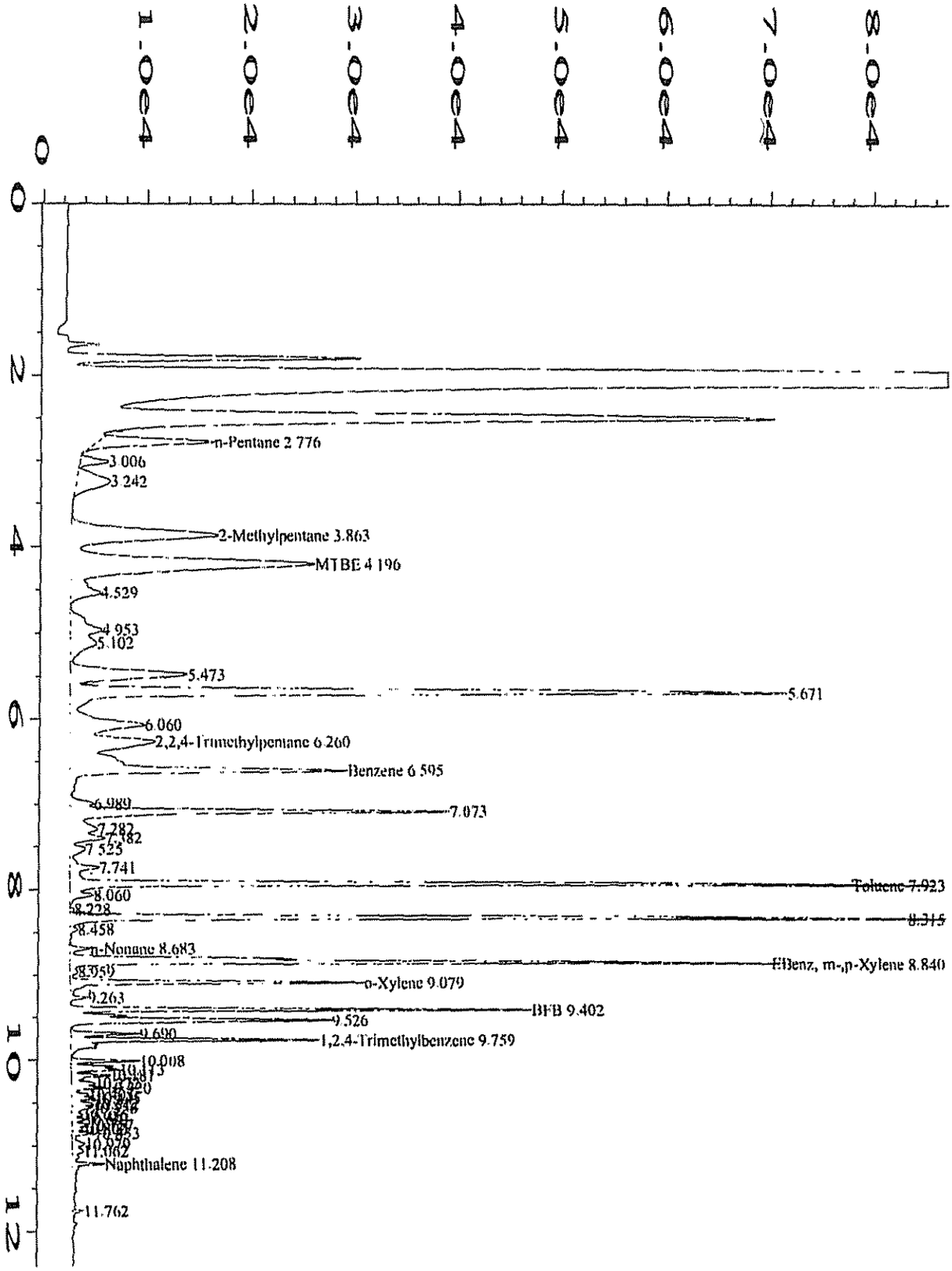

Data File Name	: C:\HPCHEM\1\DATA\vp070705\015F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 15
Sample Name	: 138402 x1 MS	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 01:44 PM	Instrument Method:	GAS1.MTH
Report Created on:	07 Jul 05 03:21 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

ata File Name	: C:\HPCHEM\1\DATA\vp070705\015R0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 15
ample Name	: 138402 x1 MS	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 07 Jul 05 01:44 PM	Instrument Method:	GAS1.MTH
eport Created on:	07 Jul 05 03:21 PM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

ig. 2 in C:\HPCHEM\1\DATA\vp070705\015R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.782	64825	VV	0.140	1	10.337	n-Pentane
3.873	106574	VV	0.156	1	11.286	2-Methylpentane
4.253	196294	VV	0.171	1	6.512	MTBE
6.268	103182	VV	0.134	1	6.781	2,2,4-Trimethylpentane
6.606	494657	VV	0.074	1	6.217	Benzene
7.926	528653	VV	0.044	1	12.956	Toluene
8.687	6791	VV	0.058	1	1.001	n-Nonane
8.842	406646	VV	0.042	1	12.022	ethbzene/m,p-xylene
9.080	115253	VV	0.051	1	2.976	o-Xylene
9.404	422043	VV	0.035	1	28.405	BFB(pid)
9.760	103898	VV	0.048	1	3.384	1,2,4-Trimethylbenzene
11.208	14239	VV	0.042	1	0.814	Naphthalene(pid)
1.490	1564	BV	0.040		15.639	* uncalibrated *
1.642	2483	VV	0.053		24.829	* uncalibrated *
1.820	11416	VV	0.082		114.157	* uncalibrated *
1.992	99119	VV	0.128		991.192	* uncalibrated *
2.156	16598	VV	0.077		165.980	* uncalibrated *
2.512	243599	VV	0.138		2435.993	* uncalibrated *
3.012	41339	VV	0.092		413.389	* uncalibrated *
3.226	61910	VV	0.219		619.099	* uncalibrated *
4.438	94954	VV	0.093		949.537	* uncalibrated *
4.843	23866	VV	0.145		238.656	* uncalibrated *
5.107	29758	VV	0.197		297.582	* uncalibrated *
5.486	34930	VV	0.111		349.296	* uncalibrated *
5.682	2774148	VV	0.083		27741.48	* uncalibrated *
6.069	68456	VV	0.123		684.565	* uncalibrated *
7.080	1324471	VV	0.058		13244.71	* uncalibrated *
7.284	18546	VV	0.065		185.456	* uncalibrated *
7.385	26583	VV	0.087		265.826	* uncalibrated *
7.529	9408	VV	0.098		94.082	* uncalibrated *
7.744	15550	VV	0.066		155.498	* uncalibrated *
8.060	17350	VV	0.060		173.504	* uncalibrated *
8.230	493	PV	0.029		4.934	* uncalibrated *
8.320	2685983	VV	0.053		26859.83	* uncalibrated *
8.959	5774	VV	0.058		57.737	* uncalibrated *
9.265	6299	VV	0.039		62.991	* uncalibrated *
9.528	135112	VV	0.051		1351.118	* uncalibrated *
9.690	21957	VV	0.035		219.572	* uncalibrated *
10.009	20657	VV	0.033		206.569	* uncalibrated *
10.113	28572	VV	0.051		285.716	* uncalibrated *
10.181	14388	VV	0.044		143.878	* uncalibrated *

ata File Name	: C:\HPCHEM\1\DATA\vp070705\015R0101.D		
perator	: DCS	Page Number	: 2
nstrument	: FID/PID	Vial Number	: 15
ample Name	: 138402 x1 MS	Injection Number	: 1
un Time Bar Code	:	Sequence Line	: 1
cquired on	: 07 Jul 05 01:44 PM	Instrument Method	: GAS1.MTH
eport Created on	: 07 Jul 05 03:21 PM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

10.271	9479	VV	0.042	94.793	* uncalibrated *
10.321	10431	VV	0.035	104.309	* uncalibrated *
10.403	4779	VV	0.037	47.792	* uncalibrated *
10.446	7429	VV	0.039	74.288	* uncalibrated *
10.514	9259	VV	0.047	92.594	* uncalibrated *
10.558	8004	VV	0.045	80.039	* uncalibrated *
10.636	2989	VV	0.035	29.889	* uncalibrated *
10.691	3818	VV	0.035	38.178	* uncalibrated *
10.758	8526	VV	0.052	85.256	* uncalibrated *
10.853	6887	VV	0.040	68.874	* uncalibrated *
10.979	6638	VV	0.063	66.378	* uncalibrated *
11.067	5158	VV	0.054	51.578	* uncalibrated *
11.125	2341	VV	0.048	23.411	* uncalibrated *
11.301	2466	VV	0.060	24.663	* uncalibrated *
11.762	5844	VV	0.062	58.435	* uncalibrated *
11.908	1810	VV	0.052	18.102	* uncalibrated *
12.356	601	PBA	0.048	6.009	* uncalibrated *

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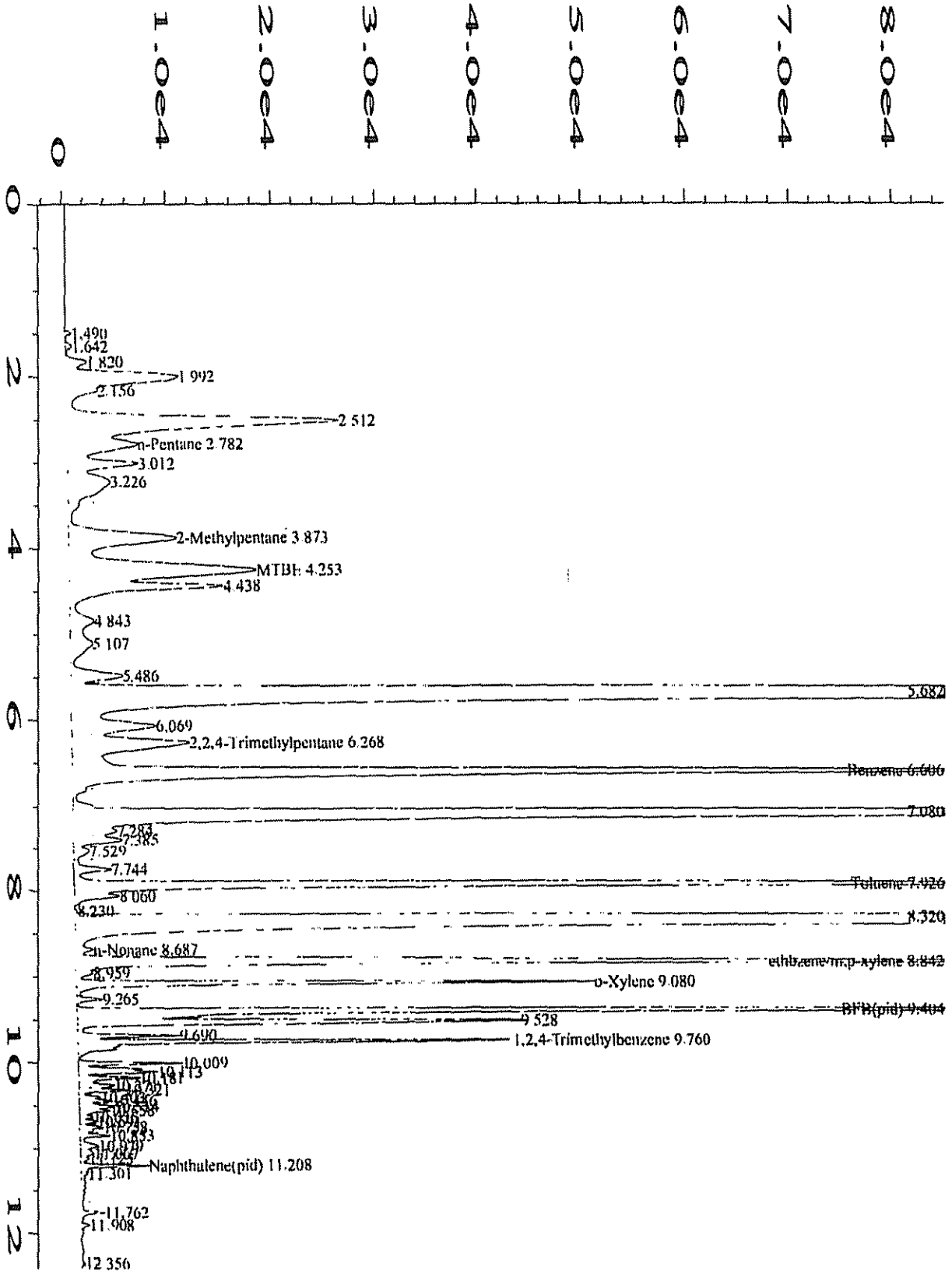

Data File Name : C:\HPCHEM\1\DATA\vp070705\015R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : 138402 x1 MS
Run Time Bar Code:
Acquired on : 07 Jul 05 01:44 PM
Report Created on: 07 Jul 05 03:21 PM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

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 :

External Standard Report

Data File Name : C:\HPCHEM\1\DATA\vp070705\016F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2057-1C x1 MSD
Run Time Bar Code: 138403
Acquired on : 07 Jul 05 02:10 PM
Report Created on: 07 Jul 05 03:21 PM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 16
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\vp070705\016F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.779	61243	BV	0.081	1	61.087	n-Pentane
3.866	136575	PV	0.136	1	24.258	2-Methylpentane
4.199	219727	VV	0.136	1	515.072	MTBE
6.271	85930	VV	0.144	1	16.505	2,2,4-Trimethylpentane
6.596	151238	VV	0.077	1	13.004	Benzene
7.923	229671	VV	0.040	1	24.380	Toluene
8.684	6220	PV	0.048	1	1.561	n-Nonane
8.841	210534	VV	0.040	1	20.581	EBenz, m-,p-Xylene
9.079	71154	VV	0.047	1	7.064	o-Xylene
9.402	86482	PV	0.029	1	333.126	BFB
9.760	68335	VV	0.047	1	7.273	1,2,4-Trimethylbenzene
11.208	7170	VV	0.040	1	1.692	Naphthalene
3.009	16391	PV	0.075		163.907	* uncalibrated *
3.237	38658	VV	0.165		386.578	* uncalibrated *
4.531	32176	VV	0.121		321.756	* uncalibrated *
4.847	10015	PV	0.095		100.149	* uncalibrated *
4.954	23435	VV	0.106		234.353	* uncalibrated *
5.103	29374	VV	0.143		293.736	* uncalibrated *
5.474	81248	VV	0.107		812.482	* uncalibrated *
5.673	299852	VV	0.067		2998.516	* uncalibrated *
6.063	76641	VV	0.133		766.415	* uncalibrated *
6.989	12500	VV	0.064		124.999	* uncalibrated *
7.074	127449	VV	0.051		1274.486	* uncalibrated *
7.282	23989	VV	0.088		239.893	* uncalibrated *
7.384	26651	VV	0.076		266.506	* uncalibrated *
7.522	13270	VV	0.091		132.698	* uncalibrated *
7.742	17627	VV	0.079		176.272	* uncalibrated *
8.061	10961	VV	0.063		109.613	* uncalibrated *
8.315	215204	VV	0.038		2152.036	* uncalibrated *
8.459	3433	VV	0.051		34.335	* uncalibrated *
8.960	3297	VV	0.054		32.973	* uncalibrated *
9.264	4772	VV	0.036		47.719	* uncalibrated *
9.526	95436	VV	0.053		954.356	* uncalibrated *
9.690	16476	VV	0.033		164.765	* uncalibrated *
10.009	15787	VV	0.032		157.865	* uncalibrated *
10.114	25316	VV	0.052		253.162	* uncalibrated *
10.182	11154	VV	0.044		111.537	* uncalibrated *
10.272	8057	VV	0.043		80.571	* uncalibrated *
10.322	9779	VV	0.034		97.791	* uncalibrated *
10.403	4482	VV	0.040		44.820	* uncalibrated *
10.446	5734	VV	0.037		57.345	* uncalibrated *
10.513	7483	VV	0.046		74.826	* uncalibrated *
10.559	7461	VV	0.048		74.613	* uncalibrated *

10.638	3252	VV	0.042	32.520	* uncalibrated *
10.692	3516	VV	0.039	35.159	* uncalibrated *
10.758	8082	VV	0.056	80.823	* uncalibrated *
10.854	6054	VV	0.046	60.545	* uncalibrated *
10.979	5736	VV	0.062	57.359	* uncalibrated *
11.064	4867	VV	0.062	48.675	* uncalibrated *
11.127	2138	VV	0.043	21.385	* uncalibrated *
11.259	2480	VV	0.059	24.797	* uncalibrated *
11.763	3330	VV	0.034	33.297	* uncalibrated *

Calibration table contains at least one peak with amt = 0

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External Standard Report

Data File Name : C:\HPCHEM\1\DATA\vp070705\016R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G161-2057-1C x1 MSD
Run Time Bar Code: 138403
Acquired on : 07 Jul 05 02:10 PM
Report Created on: 07 Jul 05 03:21 PM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 16
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\vp070705\016R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.784	70272	VV	0.137	1	11.206	n-Pentane
3.878	122416	VV	0.160	1	12.963	2-Methylpentane
4.255	213271	VV	0.174	1	7.075	MTBE
6.278	132568	VV	0.154	1	8.713	2,2,4-Trimethylpentane
6.608	552595	VV	0.078	1	6.945	Benzene
7.928	618123	VV	0.077	1	15.149	Toluene
8.689	8235	VV	0.063	1	1.213	n-Nonane
8.842	471285	VV	0.071	1	13.933	ethbzene/m,p-xylene
9.081	131120	VV	0.039	1	3.385	o-Xylene
9.406	465460	VV	0.040	1	31.328	BFB(pid)
9.761	148889	VV	0.062	1	4.849	1,2,4-Trimethylbenzene
11.209	20401	VV	0.060	1	1.166	Naphthalene(pid)
1.490	1152	BB	0.037		11.524	* uncalibrated *
1.644	1475	BV	0.049		14.746	* uncalibrated *
1.821	10758	VV	0.083		107.577	* uncalibrated *
2.031	106766	VV	0.118		1067.662	* uncalibrated *
2.158	20703	VV	0.078		207.033	* uncalibrated *
2.512	247318	VV	0.135		2473.178	* uncalibrated *
3.016	52055	VV	0.091		520.550	* uncalibrated *
3.220	80790	VV	0.224		807.900	* uncalibrated *
4.441	105085	VV	0.097		1050.848	* uncalibrated *
4.842	31588	VV	0.149		315.877	* uncalibrated *
5.108	38536	VV	0.200		385.363	* uncalibrated *
5.488	39512	VV	0.112		395.124	* uncalibrated *
5.683	2830077	VV	0.084		28300.77	* uncalibrated *
6.072	88331	VV	0.131		883.306	* uncalibrated *
7.082	1409283	VV	0.061		14092.83	* uncalibrated *
7.286	29075	VV	0.076		290.754	* uncalibrated *
7.388	43750	VV	0.087		437.496	* uncalibrated *
7.529	16926	VV	0.108		169.264	* uncalibrated *
7.745	20608	VV	0.073		206.084	* uncalibrated *
8.322	2775612	VV	0.062		27756.12	* uncalibrated *
9.265	8032	VV	0.043		80.324	* uncalibrated *
9.531	167914	VV	0.052		1679.143	* uncalibrated *
10.010	24869	VV	0.046		248.691	* uncalibrated *
10.110	58973	VV	0.074		589.729	* uncalibrated *
10.321	26327	VV	0.074		263.267	* uncalibrated *
10.515	41188	VV	0.168		411.882	* uncalibrated *
10.760	15859	VV	0.091		158.594	* uncalibrated *
10.853	8769	VV	0.041		87.687	* uncalibrated *
10.978	8796	VV	0.061		87.956	* uncalibrated *
11.063	9136	VV	0.099		91.355	* uncalibrated *
11.480	7148	VV	0.178		71.481	* uncalibrated *

11.763	8688	VV	0.047	86.882	* uncalibrated *
11.909	3780	VV	0.068	37.802	* uncalibrated *
12.229	690	PV	0.084	6.898	* uncalibrated *

==========

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp070705\016F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 16
Sample Name	: 138403 x1 MSD	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 02:10 PM	Instrument Method	: GAS1.MTH
Report Created on	: 07 Jul 05 03:21 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\vp070705\016F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.779	61243	BV	0.081	1	61.087	n-Pentane
3.866	136575	PV	0.136	1	24.258	2-Methylpentane
4.199	219727	VV	0.136	1	515.072	MTBE
6.271	85930	VV	0.144	1	16.505	2,2,4-Trimethylpentane
6.596	151238	VV	0.077	1	13.004	Benzene
7.923	229671	VV	0.040	1	24.380	Toluene
8.684	6220	PV	0.048	1	1.561	n-Nonane
8.841	210534	VV	0.040	1	20.581	EBenz, m-,p-Xylene
9.079	71154	VV	0.047	1	7.064	o-Xylene
9.402	86482	PV	0.029	1	333.126	BFB
9.760	68335	VV	0.047	1	7.273	1,2,4-Trimethylbenzene
11.208	7170	VV	0.040	1	1.692	Naphthalene
3.009	16391	PV	0.075		163.907	* uncalibrated *
3.237	38658	VV	0.165		386.578	* uncalibrated *
4.531	32176	VV	0.121		321.756	* uncalibrated *
4.847	10015	PV	0.095		100.149	* uncalibrated *
4.954	23435	VV	0.106		234.353	* uncalibrated *
5.103	29374	VV	0.143		293.736	* uncalibrated *
5.474	81248	VV	0.107		812.482	* uncalibrated *
5.673	299852	VV	0.067		2998.516	* uncalibrated *
6.063	76641	VV	0.133		766.415	* uncalibrated *
6.989	12500	VV	0.064		124.999	* uncalibrated *
7.074	127449	VV	0.051		1274.486	* uncalibrated *
7.282	23989	VV	0.088		239.893	* uncalibrated *
7.384	26651	VV	0.076		266.506	* uncalibrated *
7.522	13270	VV	0.091		132.698	* uncalibrated *
7.742	17627	VV	0.079		176.272	* uncalibrated *
8.061	10961	VV	0.063		109.613	* uncalibrated *
8.315	215204	VV	0.038		2152.036	* uncalibrated *
8.459	3433	VV	0.051		34.335	* uncalibrated *
8.960	3297	VV	0.054		32.973	* uncalibrated *
9.264	4772	VV	0.036		47.719	* uncalibrated *
9.526	95436	VV	0.053		954.356	* uncalibrated *
9.690	16476	VV	0.033		164.765	* uncalibrated *
10.009	15787	VV	0.032		157.865	* uncalibrated *
10.114	25316	VV	0.052		253.162	* uncalibrated *
10.182	11154	VV	0.044		111.537	* uncalibrated *
10.272	8057	VV	0.043		80.571	* uncalibrated *
10.322	9779	VV	0.034		97.791	* uncalibrated *
10.403	4482	VV	0.040		44.820	* uncalibrated *
10.446	5734	VV	0.037		57.345	* uncalibrated *

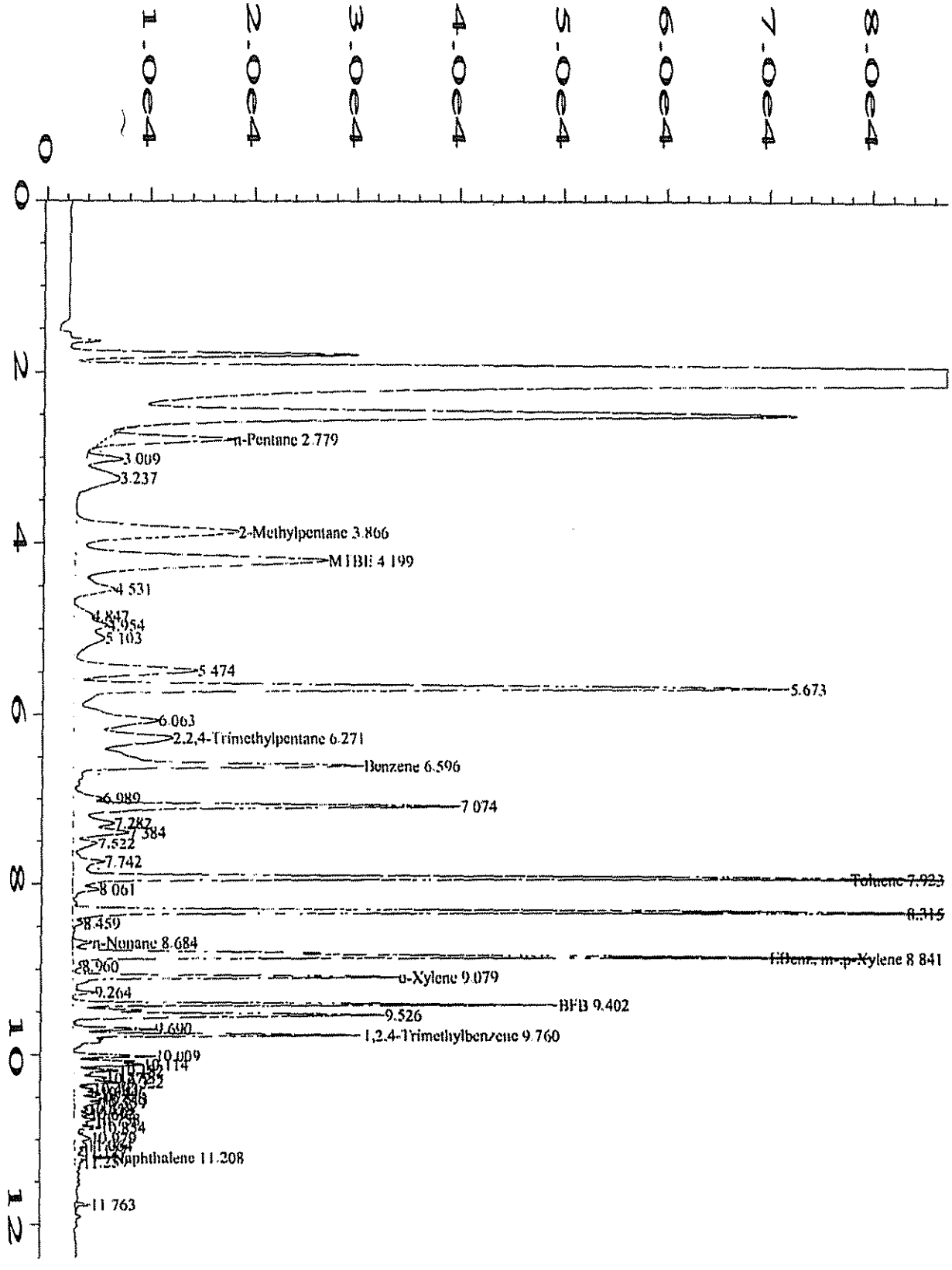
ata File Name : C:\HPCHEM\1\DATA\vp070705\016F0101.D
perator : DCS
nstrument : FID/PID
ample Name : 138403 x1 MSD
un Time Bar Code:
cquired on : 07 Jul 05 02:10 PM
eport Created on: 07 Jul 05 03:21 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 16
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.513	7483	VV	0.046	74.826	* uncalibrated *
10.559	7461	VV	0.048	74.613	* uncalibrated *
10.638	3252	VV	0.042	32.520	* uncalibrated *
10.692	3516	VV	0.039	35.159	* uncalibrated *
10.758	8082	VV	0.056	80.823	* uncalibrated *
10.854	6054	VV	0.046	60.545	* uncalibrated *
10.979	5736	VV	0.062	57.359	* uncalibrated *
11.064	4867	VV	0.062	48.675	* uncalibrated *
11.127	2138	VV	0.043	21.385	* uncalibrated *
11.259	2480	VV	0.059	24.797	* uncalibrated *
11.763	3330	VV	0.034	33.297	* uncalibrated *

Calibration table contains at least one peak with amt = 0

==========



Data File Name	: C:\HPCHEM\1\DATA\vp070705\016F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 16
Sample Name	: 138403 x1 MSD	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 02:10 PM	Instrument Method	: GAS1.MTH
Report Created on	: 07 Jul 05 03:21 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\vp070705\016R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 16
Sample Name	: 138403 x1 MSD	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 02:10 PM	Instrument Method:	GAS1.MTH
Report Created on:	07 Jul 05 03:21 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\vp070705\016R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.784	70272	VV	0.137	1	11.206	n-Pentane
3.878	122416	VV	0.160	1	12.963	2-Methylpentane
4.255	213271	VV	0.174	1	7.075	MTBE
6.278	132568	VV	0.154	1	8.713	2,2,4-Trimethylpentane
6.608	552595	VV	0.078	1	6.945	Benzene
7.928	618123	VV	0.077	1	15.149	Toluene
8.689	8235	VV	0.063	1	1.213	n-Nonane
8.842	471285	VV	0.071	1	13.933	ethbzene/m,p-xylene
9.081	131120	VV	0.039	1	3.385	o-Xylene
9.406	465460	VV	0.040	1	31.328	BFB(pid)
9.761	148889	VV	0.062	1	4.849	1,2,4-Trimethylbenzene
11.209	20401	VV	0.060	1	1.166	Naphthalene(pid)
1.490	1152	BB	0.037		11.524	* uncalibrated *
1.644	1475	BV	0.049		14.746	* uncalibrated *
1.821	10758	VV	0.083		107.577	* uncalibrated *
2.031	106766	VV	0.118		1067.662	* uncalibrated *
2.158	20703	VV	0.078		207.033	* uncalibrated *
2.512	247318	VV	0.135		2473.178	* uncalibrated *
3.016	52055	VV	0.091		520.550	* uncalibrated *
3.220	80790	VV	0.224		807.900	* uncalibrated *
4.441	105085	VV	0.097		1050.848	* uncalibrated *
4.842	31588	VV	0.149		315.877	* uncalibrated *
5.108	38536	VV	0.200		385.363	* uncalibrated *
5.488	39512	VV	0.112		395.124	* uncalibrated *
5.683	2830077	VV	0.084		28300.77	* uncalibrated *
6.072	88331	VV	0.131		883.306	* uncalibrated *
7.082	1409283	VV	0.061		14092.83	* uncalibrated *
7.286	29075	VV	0.076		290.754	* uncalibrated *
7.388	43750	VV	0.087		437.496	* uncalibrated *
7.529	16926	VV	0.108		169.264	* uncalibrated *
7.745	20608	VV	0.073		206.084	* uncalibrated *
8.322	2775612	VV	0.062		27756.12	* uncalibrated *
9.265	8032	VV	0.043		80.324	* uncalibrated *
9.531	167914	VV	0.052		1679.143	* uncalibrated *
10.010	24869	VV	0.046		248.691	* uncalibrated *
10.110	58973	VV	0.074		589.729	* uncalibrated *
10.321	26327	VV	0.074		263.267	* uncalibrated *
10.515	41188	VV	0.168		411.882	* uncalibrated *
10.760	15859	VV	0.091		158.594	* uncalibrated *
10.853	8769	VV	0.041		87.687	* uncalibrated *
10.978	8796	VV	0.061		87.956	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp070705\016R0101.D
perator : DCS
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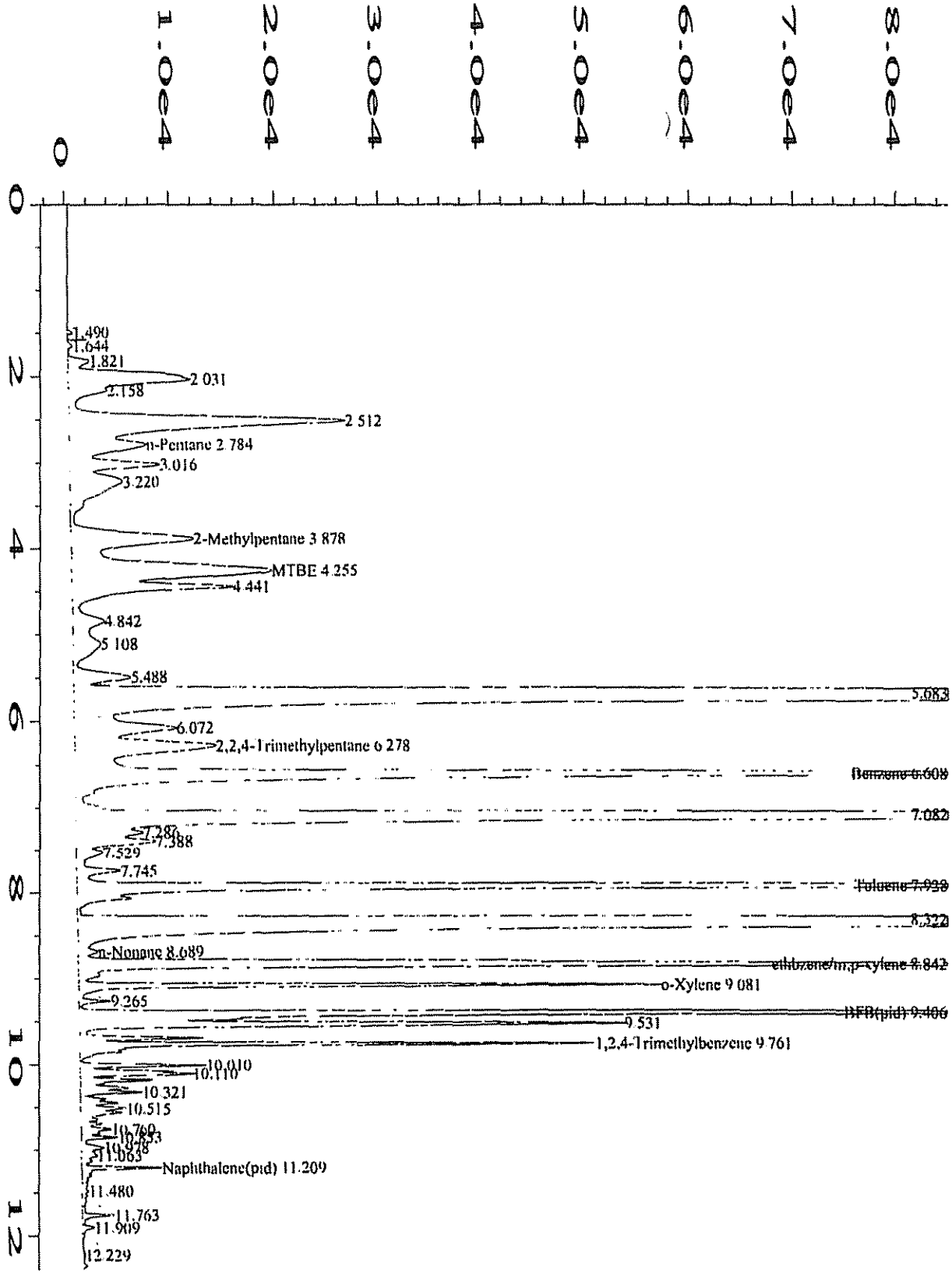
Page Number : 2
Vial Number : 16
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

11.063	9136	VV	0.099	91.355	* uncalibrated *
11.480	7148	VV	0.178	71.481	* uncalibrated *
11.763	8688	VV	0.047	86.882	* uncalibrated *
11.909	3780	VV	0.068	37.802	* uncalibrated *
12.229	690	PV	0.084	6.898	* uncalibrated *



Data File Name	: C:\HPCHEM\1\DATA\vp070705\016R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 16
Sample Name	: 138403 x1 MSD	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 07 Jul 05 02:10 PM	Instrument Method:	GAS1.MTH
Report Created on:	07 Jul 05 03:21 PM	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

Volatiles Standard Logbook # 6)
Paradigm Analytical

Working Standard

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: _____

Paradigm Analytical

GC4 VPH Runlog Sheet

Method: VPH/5030 GRO

Initial Cal. Curve: VPH-6/8/05 GRO-6/1/05

Matrix: Water/Soil

Batch: vp070505

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
001F0101.D	b	7/5/05 7:26				DCS		
002F0101.D	V 500	7/5/05 7:51				DCS		
003F0101.D	b	7/5/05 8:16				DCS		
004F0101.D	G500	7/5/05 8:42				DCS		
005F0101.D	lcs4070505a	7/5/05 9:07				DCS		
006F0101.D	vblk4070505a	7/5/05 9:32				DCS		
007F0101.D	G211-1828-4A x1	7/5/05 9:57				DCS		
008F0101.D	G211-1828-4A x4 MS	7/5/05 10:22	cid= 134850			DCS		
009F0101.D	G211-1828-4A x4 MSD	7/5/05 10:48	cid= 134850			DCS		
010F0101.D	G204-468-1B x1	7/5/05 11:13	cid= 137221			DCS		
011F0101.D	G204-468-1B x1 MS	7/5/05 11:38	cid= 137221			DCS		
012F0101.D	G204-468-1B x1 MSD	7/5/05 12:03	cid= 137221			DCS		
013F0101.D	G204-468-2A x1	7/5/05 12:29	cid= 137223			DCS		
014F0101.D	G106-526-1B x1	7/5/05 12:54	cid= 138040			DCS		
015F0101.D	G106-526-2B x1	7/5/05 13:19	cid= 138044			DCS		
016F0101.D	G106-526-3B x1	7/5/05 13:44	cid= 138048			DCS		
017F0101.D	G106-526-4A x1	7/5/05 14:10	cid= 138051			DCS		
018F0101.D	G106-526-5A x1	7/5/05 14:35	cid= 138055			DCS		
019F0101.D	G106-526-6A x1	7/5/05 15:00	cid= 138058			DCS		
020F0101.D	G106-526-7A x1	7/5/05 15:25	cid= 138061			DCS		
021F0101.D	G161-2048-15A x1	7/5/05 15:51	cid= 137478			DCS		
022F0101.D	G161-2048-16A x1	7/5/05 16:16	cid= 137479			DCS		

Page Number:

Paradigm Analytical

GC4 VPH Runlog Sheet

Method: VPH/5030 GRO

Initial Cal. Curve: VPH-6/8/05 GRO-6/1/05

Matrix: Water/Soil

Batch: vp070505

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
023F0101.D	G161-2048-17A x1	7/5/05 16:41	cid= 137480			DCS		
024F0101.D	G161-2048-18A x1	7/5/05 17:06	cid= 137481			DCS		
025F0101.D	G161-2048-19A x1	7/5/05 17:31	cid= 137482			DCS		
026F0101.D	G161-2048-20A x1	7/5/05 17:56	cid= 137483			DCS		
027F0101.D	G145-1113-1A x1	7/5/05 18:22	cid= 137813			DCS		
028F0101.D	G145-1113-2A x1	7/5/05 18:47	cid= 137814			DCS		
029F0101.D	G145-1113-3A x1	7/5/05 19:12	cid= 137815			DCS		
030F0101.D	G161-2047-16D x1	7/5/05 19:37	cid= 137361			DCS		
031F0101.D	G161-2047-16D x1 DUP	7/5/05 20:03	cid= 137361			DCS		
032F0101.D	G161-2047-1B x1	7/5/05 20:28	cid= 137260			DCS		
033F0101.D	G161-2047-2E x1	7/5/05 20:53	cid= 137269			DCS		
034F0101.D	G161-2047-2E x1 MS	7/5/05 21:18	cid= 137269			DCS		
035F0101.D	G161-2047-2E x1 MSD	7/5/05 21:44	cid= 137269			DCS		
036F0101.D	lcs4070505b x1	7/5/05 22:09				DCS		
037F0101.D	G161-2047-3E x1	7/5/05 22:34	cid= 137275			DCS		
038F0101.D	G161-2047-4C x1	7/5/05 22:59	cid= 137279			DCS		
039F0101.D	G161-2047-5C x1	7/5/05 23:24	cid= 137285			DCS		
040F0101.D	G161-2047-6A x1	7/5/05 23:50	cid= 137289			DCS		
041F0101.D	G161-2047-7D x1	7/6/05 0:15	cid= 137298			DCS		
042F0101.D	G161-2047-8D x1	7/6/05 0:40	cid= 137304			DCS		
043F0101.D	G161-2047-9B x1	7/6/05 1:05	cid= 137308			DCS		
044F0101.D	G161-2047-10E x1	7/6/05 1:30	cid= 137326			DCS		

Page Number:

Paradigm Analytical

GC4 VPH Runlog Sheet

Method: VPH/5030 GRO

Initial Cal. Curve: VPH-6/8/05 GRO-6/1/05

Matrix: Water/Soil

Batch: vp070505

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
045F0101.D	G161-2047-11E x1	7/6/05 1:56	cid= 137332			DCS		
046F0101.D	G161-2047-12C x1	7/6/05 2:21	cid= 137336			DCS		
047F0101.D	G161-2047-13C x1	7/6/05 2:46	cid= 137342			DCS		
048F0101.D	G161-2047-14A x1	7/6/05 3:11	cid= 137346			DCS		
049F0101.D	G161-2047-15D x1	7/6/05 3:36	cid= 137355			DCS		
050F0101.D	G161-2047-17B x1	7/6/05 4:01	cid= 137364			DCS		
051F0101.D	G161-2047-6A x1 DUP	7/6/05 4:26	cid= 137289			DCS		

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

Mr. Jason Ricks
ECS
6909 International Drive
Greensboro NC 27409

Report Number: G161-2074

Client Project: North State Milling Property

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.

7/21/05

Laboratory Director Date
J. Patrick Weaver

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

CASE NARRATIVE

Date: September 6, 2005

ECS Project ID: North State Milling Property
Paradigm Analytical ID: G161-2074

One soil sample was received at the laboratory July 16 for analysis of volatiles by SW-846 Method 8260. The sample was received in good condition, within temperature and holding time limits.

The analysis was completed within holding time. The surrogate spike compounds recovered within limit. The associated MS/MSD and LCS passed acceptance limits. The batch blank contained naphthalene at 7.47 ug/kg. The contaminant is due to carry-over contamination from a preceding quality control standard. The compound was not detected in the sample.

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# 47894

Page 1 of 1

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

Project ID: North State Milling Property
Contact: Jason Ricks
Phone: (336)856-7150
Fax: 856-7160

Date: 7/15/05
Turnaround: Standard
Job Number: 6-9506
P.O. Number:

Report To: jricks@ecslimited.com
Invoice To:

Sample ID	Date	Time	Matrix	Preservatives: None	Preservatives: MeOH	Preservatives: Na Bis		Analyses: 8260/5035	Analyses: Dry weight								Comments: Please specify any special reporting requirements
RNSP-10	7/15/05	10:40	S	X	X	X		X	X								City of Greensboro Project
																	G161-2074

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
[signature]	7/15/05	2:30	[signature]	7/15/05	1050	5.5°C	NC ⊗ 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: RNS1-10
Client Project ID: North State Milling Property
Lab Sample ID G161-2074-1A
Lab Project ID: G161-2074
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 07-15-2005 10:40
Date Received: 7/16/2005
Matrix: Soil
%Solids: 85.2

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0476	1	7/20/2005
Benzene	BQL	0.00476	1	7/20/2005
Bromobenzene	BQL	0.00476	1	7/20/2005
Bromochloromethane	BQL	0.00476	1	7/20/2005
Bromodichloromethane	BQL	0.00476	1	7/20/2005
Bromoform	BQL	0.00476	1	7/20/2005
Bromomethane	BQL	0.00476	1	7/20/2005
2-Butanone	BQL	0.0238	1	7/20/2005
n-Butylbenzene	BQL	0.00476	1	7/20/2005
sec-Butylbenzene	BQL	0.00476	1	7/20/2005
tert-Butylbenzene	BQL	0.00476	1	7/20/2005
Carbon disulfide	BQL	0.00476	1	7/20/2005
Carbon tetrachloride	BQL	0.00476	1	7/20/2005
Chlorobenzene	BQL	0.00476	1	7/20/2005
Chloroethane	BQL	0.00476	1	7/20/2005
Chloroform	BQL	0.00476	1	7/20/2005
Chloromethane	BQL	0.00476	1	7/20/2005
2-Chlorotoluene	BQL	0.00476	1	7/20/2005
4-Chlorotoluene	BQL	0.00476	1	7/20/2005
Dibromochloromethane	BQL	0.00476	1	7/20/2005
1,2-Dibromo-3-chloropropane	BQL	0.00476	1	7/20/2005
Dibromomethane	BQL	0.00476	1	7/20/2005
1,2-Dibromoethane (EDB)	BQL	0.00476	1	7/20/2005
1,2-Dichlorobenzene	BQL	0.00476	1	7/20/2005
1,3-Dichlorobenzene	BQL	0.00476	1	7/20/2005
1,4-Dichlorobenzene	BQL	0.00476	1	7/20/2005
trans-1,4-Dichloro-2-butene	BQL	0.00476	1	7/20/2005
1,1-Dichloroethane	BQL	0.00476	1	7/20/2005
1,1-Dichloroethene	BQL	0.00476	1	7/20/2005
1,2-Dichloroethane	BQL	0.00476	1	7/20/2005
cis-1,2-Dichloroethene	BQL	0.00476	1	7/20/2005
trans-1,2-dichloroethene	BQL	0.00476	1	7/20/2005
1,2-Dichloropropane	BQL	0.00476	1	7/20/2005
1,3-Dichloropropane	BQL	0.00476	1	7/20/2005
2,2-Dichloropropane	BQL	0.00476	1	7/20/2005
1,1-Dichloropropene	BQL	0.00476	1	7/20/2005
cis-1,3-Dichloropropene	BQL	0.00476	1	7/20/2005
trans-1,3-Dichloropropene	BQL	0.00476	1	7/20/2005
Dichlorodifluoromethane	BQL	0.00476	1	7/20/2005
Diisopropyl ether (DIPE)	BQL	0.00476	1	7/20/2005
Ethylbenzene	BQL	0.00476	1	7/20/2005
Hexachlorobutadiene	BQL	0.00476	1	7/20/2005
2-Hexanone	BQL	0.00476	1	7/20/2005
Iodomethane	BQL	0.00476	1	7/20/2005

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: RNS1-10
Client Project ID: North State Milling Property
Lab Sample ID G161-2074-1A
Lab Project ID: G161-2074
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 07-15-2005 10:40
Date Received: 7/16/2005
Matrix: Soil
%Solids: 85.2

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00476	1	7/20/2005
4-Isopropyltoluene	BQL	0.00476	1	7/20/2005
Methylene chloride	BQL	0.0191	1	7/20/2005
4-Methyl-2-pentanone	BQL	0.00476	1	7/20/2005
Methyl-tert-butyl ether (MTBE)	BQL	0.00476	1	7/20/2005
Naphthalene	BQL	0.00476	1	7/20/2005
n-Propyl benzene	BQL	0.00476	1	7/20/2005
Styrene	BQL	0.00476	1	7/20/2005
1,1,1,2-Tetrachloroethane	BQL	0.00476	1	7/20/2005
1,1,2,2-Tetrachloroethane	BQL	0.00476	1	7/20/2005
Tetrachloroethene	BQL	0.00476	1	7/20/2005
Toluene	BQL	0.00476	1	7/20/2005
1,2,3-Trichlorobenzene	BQL	0.00476	1	7/20/2005
1,2,4-Trichlorobenzene	BQL	0.00476	1	7/20/2005
Trichloroethene	BQL	0.00476	1	7/20/2005
1,1,1-Trichloroethane	BQL	0.00476	1	7/20/2005
1,1,2-Trichloroethane	BQL	0.00476	1	7/20/2005
Trichlorofluoromethane	BQL	0.00476	1	7/20/2005
1,2,3-Trichloropropane	BQL	0.00476	1	7/20/2005
1,2,4-Trimethylbenzene	BQL	0.00476	1	7/20/2005
1,3,5-Trimethylbenzene	BQL	0.00476	1	7/20/2005
Vinyl chloride	BQL	0.00476	1	7/20/2005
m-,p-Xylene	BQL	0.00953	1	7/20/2005
o-Xylene	BQL	0.00476	1	7/20/2005

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0522	104
1,2-Dichloroethane-d4	0.05	0.064	128
Toluene-d8	0.05	0.0525	105

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

Paradigm Analytical Laboratories, INC.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK3071905C

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Matrix: (soil/water) SOIL Lab Sample ID: VBLK3071905C

Sample wt/vol: 5.00 (g) Lab File ID: 0719325.D

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

% Moisture: not dec. 0.00% Date Analyzed: 07/19/05 19:18

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

Soil Extract Volume: NA Soil Aliquot Volume: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS (µg/kg)	Q
67-64-1	Acetone	0.050	U
71-43-2	Benzene	0.005	U
108-86-1	Bromobenzene	0.005	U
74-97-5	Bromochloromethane	0.005	U
75-27-4	Bromodichloromethane	0.005	U
75-25-2	Bromoform	0.005	U
74-83-9	Bromomethane	0.005	U
78-93-3	2-Butanone	0.025	U
104-51-8	n-Butylbenzene	0.005	U
135-98-8	sec-Butylbenzene	0.005	U
98-06-6	tert-Butylbenzene	0.005	U
75-15-0	Carbon disulfide	0.005	U
56-23-5	Carbon tetrachloride	0.005	U
108-90-7	Chlorobenzene	0.005	U
75-00-3	Chloroethane	0.005	U
67-66-3	Chloroform	0.005	U
74-87-3	Chloromethane	0.005	U
95-49-8	2-Chlorotoluene	0.005	U
106-43-4	4-Chlorotoluene	0.005	U
124-48-1	Dibromochloromethane	0.005	U
96-12-8	1,2-Dibromo-3-chloropropane	0.005	U
74-95-3	Dibromomethane	0.005	U
106-93-4	1,2-Dibromoethane (EDB)	0.005	U
95-50-1	1,2-Dichlorobenzene	0.005	U
541-73-1	1,3-Dichlorobenzene	0.005	U
106-46-7	1,4-Dichlorobenzene	0.005	U
110-57-6	trans-1,4-Dichloro-2-butene	0.005	U
75-34-3	1,1-Dichloroethane	0.005	U
75-34-3	1,1-Dichloroethene	0.005	U
107-06-2	1,2-Dichloroethane	0.005	U
156-59-2	cis-1,2-Dichloroethene	0.005	U
156-60-5	trans-1,2-dichloroethene	0.005	U
78-87-5	1,2-Dichloropropane	0.005	U
142-28-9	1,3-Dichloropropane	0.005	U
594-20-7	2,2-Dichloropropane	0.005	U
563-58-6	1,1-Dichloropropene	0.005	U
10061-01-5	cis-1,3-Dichloropropene	0.005	U
10061-02-6	trans-1,3-Dichloropropene	0.005	U
75-71-8	Dichlorodifluoromethane	0.005	U
108-20-3	Diisopropyl ether (DIPE)	0.005	U
100-41-4	Ethylbenzene	0.005	U

Paradigm Analytical Laboratories, INC.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK3071905C

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Matrix: (soil/water) SOIL Lab Sample ID: VBLK3071905C

Sample wt/vol: 5.00 (g) Lab File ID: 0719325.D

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

% Moisture: not dec. 0.00% Date Analyzed: 07/19/05 19:18

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

Soil Extract Volume: NA Soil Aliquot Volume: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS (µg/kg)	Q
87-68-3	Hexachlorobutadiene	0.005	U
591-78-6	2-Hexanone	0.005	U
74-88-4	Iodomethane	0.005	U
98-82-8	Isopropylbenzene	0.005	U
99-87-6	4-Isopropyltoluene	0.005	U
75-09-2	Methylene chloride	0.020	U
108-10-1	4-Methyl-2-pentanone	0.005	U
1634-04-4	Methyl-tert-butyl ether (MTBE)	0.005	U
91-20-3	Naphthalene	0.0075	
103-65-1	n-Propyl benzene	0.005	U
100-42-5	Styrene	0.005	U
630-20-6	1,1,1,2-Tetrachloroethane	0.005	U
79-34-5	1,1,2,2-Tetrachloroethane	0.005	U
127-18-4	Tetrachloroethene	0.005	U
108-88-3	Toluene	0.005	U
87-61-6	1,2,3-Trichlorobenzene	0.005	U
120-82-1	1,2,4-Trichlorobenzene	0.005	U
79-01-6	Trichloroethene	0.005	U
71-55-6	1,1,1-Trichloroethane	0.005	U
79-00-5	1,1,2-Trichloroethane	0.005	U
75-69-4	Trichlorofluoromethane	0.005	U
96-18-4	1,2,3-Trichloropropane	0.005	U
95-36-3	1,2,4-Trimethylbenzene	0.005	U
108-67-8	1,3,5-Trimethylbenzene	0.005	U
75-01-4	Vinyl chloride	0.005	U
108-38-3	m-,p-Xylene	0.010	U
95-47-6	o-Xylene	0.005	U

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	RNS1-10	105	104	128		0
02	G204-469-2A	106	105	129		0
03	G204-469-2B MS	101	117	96.0		0
04	G204-469-2C MSD	102	113	93.1		0
05	LCS3071905B	103	112	104		0
06	VBLK3071905C	101	96	106		0
07						
08						
09						
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29						
30						

	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.

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.: G204-469-2A

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	67.8	67.8	100	51.3	51.3	27.6	30	6.81-355
acrolein	BQL	1000	684	68.4	1000	797	79.7	15.2	30	NA-6510
acrylonitrile	BQL	1000	747	74.7	1000	810	81.0	8.09	30	NA-5670
benzene	BQL	100	81.8	81.8	100	81.9	81.9	0.0978	30	74.8-133
bromobenzene	BQL	100	94.8	94.8	100	89.8	89.8	5.39	30	66.1-140
bromochloromethane	BQL	100	80.7	80.7 *	100	83.0	83.0 *	2.81	30	85.1-136
bromodichloromethane	BQL	100	85.3	85.3	100	86.0	86.0	0.922	30	77.4-140
bromoform	BQL	100	88.0	88.0	100	85.2	85.2	3.27	30	74.7-161
bromomethane	BQL	100	78.7	78.7	100	87.0	87.0	9.93	30	30.4-127
2-butanone	BQL	100	69.2	69.2	100	59.1	59.1	15.6	30	40.9-256
n-butylbenzene	BQL	100	95.0	95.0	100	91.9	91.9	3.32	30	41.2-147
sec-butylbenzene	BQL	100	98.3	98.3	100	91.5	91.5	7.16	30	56.7-138
tert-butylbenzene	BQL	100	91.8	91.8	100	80.1	80.1	13.6	30	60.5-142
Carbon disulfide	BQL	100	84.0	84.0	100	85.5	85.5	1.73	30	64.3-145
carbon tetrachloride	BQL	100	97.0	97.0	100	94.6	94.6	2.56	30	64.2-142
chlorobenzene	BQL	100	97.9	97.9	100	92.0	92.0	6.17	30	66.3-135
chloroethane	BQL	100	142	142	100	155	155	9.15	30	20.7-182
2-chloroethyl vinyl ether	BQL	100	69.2	69.2 *	100	75.4	75.4 *	8.56	30	0.00-0.00
chloroform	BQL	100	88.6	88.6	100	89.2	89.2	0.641	30	71.1-143
chloromethane	BQL	100	102	102	100	102	102	0.479	30	69.1-138
2-chlorotoluene	BQL	100	88.0	88.0	100	52.8	52.8 *	50.0 *	30	59.8-144
4-chlorotoluene	BQL	100	89.7	89.7	100	83.8	83.8	6.84	30	59.0-141
dibromochloromethane	BQL	100	94.9	94.9	100	90.8	90.8	4.46	30	78.1-141
1,2-dibromo-3-chloropropane	BQL	500	362	72.3	500	394	78.7	8.42	30	43.4-229
1,2-dibromomethane	BQL	100	88.7	88.7	100	86.2	86.2	2.85	30	78.3-148
dibromomethane	BQL	100	76.2	76.2 *	100	77.0	77.0 *	1.06	30	80.0-150
1,2-dichlorobenzene	BQL	100	83.1	83.1	100	47.7	47.7 *	54.1 *	30	57.5-148
1,3-dichlorobenzene	BQL	100	87.3	87.3	100	45.3	45.3 *	63.4 *	30	55.0-145
1,4-dichlorobenzene	BQL	100	87.3	87.3	100	46.4	46.4 *	61.2 *	30	53.4-146
trans-1,4-Dichloro-2-butene	BQL	500	386	77.2	500	248	49.5	43.6 *	30	48.9-211
dichlorodifluoromethane	BQL	100	121	121	100	125	125	3.20	30	81.6-130
1,1-dichloroethane	BQL	100	93.1	93.1	100	91.5	91.5	1.70	30	71.6-139
1,2-dichloroethane	BQL	100	84.8	84.8	100	85.1	85.1	0.377	30	72.9-146
1,1-dichloroethene	BQL	100	81.3	81.3	100	86.1	86.1	5.67	30	72.0-135
cis-1,2-dichloroethene	BQL	100	81.3	81.3	100	82.1	82.1	0.979	30	76.9-134
trans-1,2-dichloroethene	BQL	100	86.8	86.8	100	87.6	87.6	0.986	30	72.0-135
1,2-dichloropropane	BQL	100	84.2	84.2	100	84.0	84.0	0.274	30	76.1-136
1,3-dichloropropane	BQL	100	88.9	88.9	100	86.5	86.5	2.71	30	83.2-137
2,2-dichloropropane	BQL	100	90.3	90.3	100	87.9	87.9	2.72	30	58.0-150
1,1-dichloropropene	BQL	100	91.6	91.6	100	89.5	89.5	2.33	30	68.5-137
cis-1,3-dichloropropene	BQL	100	81.0	81.0	100	81.1	81.1	0.136	30	72.1-146

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

* Values outside of QC limits

RPD: 13 out of 72 outside of limits

Spike Recovery: 14 out of 144 outside of limits

COMMENTS: _____

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.: G204-469-2A

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	78.6	78.6	100	80.6	80.6	2.50	30	72.5-152
Diisopropyl ether	BQL	100	90.5	90.5	100	87.4	87.4	3.60	30	59.9-147
ethylbenzene	BQL	100	91.3	91.3	100	119	119	26.4	30	68.5-135
hexachlorobutadiene	BQL	100	89.2	89.2	100	64.3	64.3	32.4 *	30	12.1-169
2-hexanone	BQL	100	82.9	82.9	100	68.5	68.5	19.1	30	39.9-238
Iodomethane	BQL	100	83.0	83.0	100	87.4	87.4	5.14	30	39.5-177
isopropylbenzene	BQL	100	95.7	95.7	100	83.9	83.9	13.2	30	63.7-135
4-isopropyltoluene	BQL	100	97.8	97.8	100	80.2	80.2	19.7	30	53.2-142
Methyl-tert-butyl ether	BQL	100	75.2	75.2	100	77.2	77.2	2.58	30	73.3-155
methylene chloride	BQL	100	72.7	72.7	100	77.0	77.0	5.66	30	54.3-156
4-methyl-2-pentanone	BQL	100	74.4	74.4	100	74.1	74.1	0.337	30	47.2-227
naphthalene	BQL	100	80.7	80.7	100	51.2	51.2	44.7 *	30	14.4-218
n-propyl benzene	BQL	100	97.4	97.4	100	42.7	42.7 *	78.0 *	30	61.7-134
styrene	BQL	100	85.8	85.8	100	62.5	62.5 *	31.4 *	30	65.7-133
1,1,1,2-tetrachloroethane	BQL	100	100	100	100	94.7	94.7	5.62	30	70.4-136
1,1,2,2-tetrachloroethane	BQL	100	93.1	93.1	100	90.2	90.2	3.23	30	68.8-175
tetrachloroethene	BQL	100	102	102	100	92.2	92.2	10.4	30	61.6-137
toluene	BQL	100	85.0	85.0	100	84.9	84.9	0.106	30	70.5-138
1,2,3-trichlorobenzene	BQL	100	75.8	75.8	100	55.3	55.3	31.3 *	30	13.2-190
1,2,4-trichlorobenzene	BQL	100	78.4	78.4	100	50.8	50.8	42.6 *	30	9.93-187
1,1,1-trichloroethane	BQL	100	95.7	95.7	100	92.1	92.1	3.81	30	66.9-142
1,1,2-trichloroethane	BQL	100	86.6	86.6	100	25.6	25.6 *	109 *	30	84.9-139
trichloroethene	BQL	100	89.3	89.3	100	86.5	86.5	3.12	30	60.7-152
trichlorofluoromethane	BQL	100	108	108	100	112	112	3.69	30	55.0-162
1,2,3-trichloropropane	BQL	100	86.4	86.4	100	59.2	59.2	37.4 *	30	55.1-197
1,2,4-trimethylbenzene	BQL	100	92.4	92.4	100	73.8	73.8	22.4	30	61.1-141
1,3,5-trimethylbenzene	BQL	100	95.1	95.1	100	78.6	78.6	19.0	30	61.8-138
Vinyl acetate	BQL	250	143	57.0	250	183	73.4	25.0	30	NA-NA
vinyl chloride	BQL	100	101	101	100	108	108	6.62	30	80.9-129
m/p-xylene	BQL	200	176	88.0	200	141	70.7	21.8	30	68.0-135
o-xylene	BQL	100	88.4	88.4	100	68.2	68.2 *	25.8	30	71.1-135

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

* Values outside of QC limits

RPD: 13 out of 72 outside of limits

Spike Recovery: 14 out of 144 outside of limits

COMMENTS: _____

Paradigm Analytical Laboratories, INC.

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK3071905C

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab File ID: 0719325.D Lab Sample ID: VBLK3071905C

Date Analyzed: 07/19/05 Time Analyzed: 19:18

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	BE-2	G204-469-2A	0719331.D	07/19 22:22
02	RNS1-10	G161-2074-1A	0719335.D	07/20 00:25
03	G204-469-2B MS	G204-469-2B MS	0719337.D	07/20 01:27
04	G204-469-2C MSD	G204-469-2C MSD	0719338.D	07/20 01:57
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COMMENTS:

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: 0719321.D BFB Injection Date: 07/19/05

Instrument ID: MSD3 BFB Injection Time: 17:15

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS
50	15.0 - 40.0% of mass 95	21.2	Y
75	30.0 - 60.0% of mass 95	54.0	Y
95	Base peak, 100% relative abundance	100.0	Y
96	5.0 - 9.0% of mass 95	7.8	Y
173	Less than 2.0% of mass 174	0.0	Y
174	50.0 - 100.0% of mass 95	61.4	Y
175	5.0 - 9.0% of mass 174	6.3	Y
176	95.0 - 101.0% of mass 174	98.2	Y
177	5.0 - 9.0% of mass 176	5.9	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	LCS3071905B	LCS3071905B	0719324.D	07/19/05	18:47
02	VBLK3071905C	VBLK3071905C	0719325.D	07/19/05	19:18
03	BE-2	G204-469-2A	0719331.D	07/19/05	22:22
04	RNS1-10	G161-2074-1A	0719335.D	07/20/05	00:25
05	G204-469-2B MS	G204-469-2B MS	0719337.D	07/20/05	01:27
06	G204-469-2C MSD	G204-469-2C MSD	0719338.D	07/20/05	01:57
07			0719338.D	07/20/05	01:57
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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: 0714304.D BFB Injection Date: 07/14/05

Instrument ID: MSD3 BFB Injection Time: 13:46

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS
50	15.0 - 40.0% of mass 95	20.8	Y
75	30.0 - 60.0% of mass 95	51.8	Y
95	Base peak, 100% relative abundance	100.0	Y
96	5.0 - 9.0% of mass 95	8.0	Y
173	Less than 2.0% of mass 174	0.0	Y
174	50.0 - 100.0% of mass 95	52.6	Y
175	5.0 - 9.0% of mass 174	6.0	Y
176	95.0 - 101.0% of mass 174	101.0	Y
177	5.0 - 9.0% of mass 176	6.5	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	VSTD10	VSTD10	0714306.D	07/14/05	12:13
02	VSTD20	VSTD20	0714307.D	07/14/05	12:44
03	VSTD20	VSTD20	0714308.D	07/14/05	15:51
04	VSTD50	VSTD50	0714309.D	07/14/05	16:23
05	VSTD100	VSTD100	0714310.D	07/14/05	16:54
06	VSTD200	VSTD200	0714311.D	07/14/05	17:25
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Paradigm Analytical Laboratories, INC.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Instrument ID: MSD3 Calibration Date(s): 07/14/05

Heated Purge: (Y/N) Y Calibration Times: 17:25

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

LAB FILE ID: RRF5.0 = 0714306.D RRF10.0 = 0714307.D

RRF20.0 = 0714308.D RRF50.0 = 0714309.D RRF100.0 = 0714310.D RRF200.0 = 0714311.D

COMPOUND	RRF 5.0	RRF 10.0	RRF 20.0	RRF 50.0	RRF 100.0	RRF 200.0	ICAL RRF	% RSD
dichlorodifluoromethane	0.834	0.952	0.869	1.01	1.04	1.02	0.954	8.89
chloromethane	0.719	0.805	0.747	0.849	0.826	0.832	0.796	6.53
vinyl chloride	0.776	0.919	0.863	0.997	1.01	1.01	0.929	10.2
bromomethane	0.399	0.410	0.357	0.315	0.260	0.261	0.333	19.8
chloroethane	0.387	0.471	0.433	0.297	0.277		0.373	22.6
trichlorofluoromethane	0.781	0.962	0.903	1.05	1.05	0.956	0.951	10.8
acrolein	0.02	0.024	0.021	0.024	0.025	0.023	0.023	9.47
1,1-dichloroethene	0.556	0.564	0.547	0.495	0.510	0.492	0.527	6.04
acetone	0.370	0.409	0.339	0.304	0.311	0.257	0.332	16.1
methylene chloride	0.403	0.420	0.411	0.387	0.398	0.383	0.400	3.52
trans-1,2-dichloroethene	0.595	0.545	0.573	0.542	0.549	0.530	0.556	4.29
acrylonitrile	0.051	0.075	0.067	0.078	0.085	0.078	0.072	16.6
1,1-dichloroethane	1.09	1.12	1.14	1.08	1.10	1.07	1.10	2.42
2,2-dichloropropane	1.07	1.08	1.06	1.01	0.996	0.961	1.03	4.76
cis-1,2-dichloroethene	0.559	0.567	0.553	0.507	0.510	0.492	0.531	6.02
2-butanone	0.395	0.434	0.407	0.355	0.394	0.335	0.387	9.30
bromochloromethane	0.131	0.131	0.136	0.133	0.136	0.129	0.133	2.15
chloroform	0.940	0.941	0.974	0.913	0.945	0.916	0.938	2.38
1,1,1-trichloroethane	0.990	1.00	1.00	0.962	0.990	0.960	0.984	1.93
carbon tetrachloride	0.749	0.789	0.819	0.784	0.825	0.805	0.795	3.51
1,1-dichloropropene	1.00	0.969	0.984	0.920	0.952	0.924	0.959	3.47
1,2-dichloroethane-d4	0.242	0.262	0.241	0.239	0.253	0.237	0.246	3.96
benzene	2.84	2.60	2.51	2.35	2.38	2.21	2.48	8.89
1,2-dichloroethane	0.539	0.581	0.578	0.533	0.549	0.516	0.549	4.66
trichloroethene	0.615	0.642	0.629	0.598	0.612	0.600	0.616	2.74
1,2-dichloropropane	0.551	0.539	0.535	0.514	0.523	0.506	0.528	3.17
dibromomethane	0.164	0.192	0.185	0.173	0.181	0.167	0.177	6.07
bromodichloromethane	0.505	0.573	0.581	0.558	0.565	0.545	0.554	4.94
2-chloroethyl vinyl ether	0.148	0.213	0.201	0.240	0.267	0.257	0.221	19.8
cis-1,3-dichloropropene	0.630	0.684	0.678	0.637	0.663	0.634	0.655	3.61
4-methyl-2-pentanone	0.532	0.616	0.594	0.570	0.617	0.550	0.580	6.09
toluene-d8	0.713	0.722	0.716	0.707	0.708	0.696	0.711	1.26
toluene	1.39	1.39	1.40	1.30	1.36	1.33	1.36	2.86
Iodomethane	0.442	0.550	0.575	0.617	0.602	0.568	0.559	11.1
trans-1,3-dichloropropene	0.473	0.504	0.537	0.479	0.509	0.492	0.499	4.67
Vinyl acetate	0.039	0.046	0.047	0.041	0.048	0.039	0.043	9.60
Carbon disulfide	1.96	1.94	1.98	1.91	1.95	1.91	1.94	1.46
1,1,2-trichloroethane	1.90	2.00	2.11	1.93	1.96	1.90	1.97	4.11
tetrachloroethene	4.60	4.58	4.84	4.36	4.34	4.34	4.51	4.48
1,3-dichloropropane	4.36	4.59	4.62	4.38	4.41	4.21	4.43	3.48

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Instrument ID: MSD3 Calibration Date(s): 07/14/05

Heated Purge: (Y/N) Y Calibration Times: 17:25

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

LAB FILE ID: RRF5.0 = 0714306.D RRF10.0 = 0714307.D

RRF20.0 = 0714308.D RRF50.0 = 0714309.D RRF100.0 = 0714310.D RRF200.0 = 0714311.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	4.80	4.73	4.75	4.28	4.30	3.85	4.45	8.48
dibromochloromethane	2.08	2.25	2.31	2.18	2.18	2.04	2.17	4.64
1,2-dibromoethane	1.95	2.01	2.16	1.94	2.00	1.92	2.00	4.44
chlorobenzene	1.10	1.09	1.13	1.03	1.01	0.994	1.06	5.32
1,1,1,2-tetrachloroethane	2.74	2.79	2.92	2.67	2.64	2.56	2.72	4.61
bromoform	1.02	1.15	1.22	1.14	1.24	1.16	1.16	6.73
4-bromofluorobenzene	2.79	2.78	2.88	2.68	2.74	2.58	2.74	3.75
bromobenzene	3.23	2.98	3.26	2.91	2.94	2.81	3.02	6.04
1,1,2,2-tetrachloroethane	1.94	2.40	2.36	2.18	2.28	2.07	2.20	8.03
1,2,3-trichloropropane	2.54	2.80	3.23	2.87	3.06	3.04	2.92	8.24
ethylbenzene	4.50	4.48	4.44	4.29	4.44	3.61	4.29	8.00
m/p-xylene	1.48	1.51	1.51	1.43	1.44	1.43	1.47	2.61
styrene	1.74	1.83	1.81	1.72	1.79	1.76	1.77	2.42
o-xylene	1.29	1.31	1.33	1.26	1.28	1.26	1.29	2.05
isopropylbenzene	4.10	4.11	4.10	3.93	4.14	3.43	3.97	6.91
n-propyl benzene	5.30	5.22	5.36	4.93	5.19	3.69	4.95	12.8
2-chlorotoluene	0.667	0.681	0.688	0.623	0.625	0.593	0.646	5.84
4-chlorotoluene	0.646	0.665	0.671	0.580	0.593	0.555	0.618	7.83
1,3,5-trimethylbenzene	3.05	3.07	3.15	2.90	3.00	2.82	3.00	3.99
tert-butylbenzene	2.49	2.52	2.62	2.38	2.57	2.50	2.51	3.24
1,2,4-trimethylbenzene	2.84	2.85	2.97	2.62	2.80	2.68	2.79	4.56
sec-butylbenzene	4.39	4.52	4.64	4.21	4.56	3.47	4.30	10.0
1,3-dichlorobenzene	1.04	1.08	1.14	1.01	1.05	0.995	1.05	5.14
4-isopropyltoluene	3.10	3.12	3.27	2.86	3.10	2.81	3.04	5.75
1,4-dichlorobenzene	1.04	1.08	1.14	1.01	1.05	0.995	1.05	5.14
1,2-dichlorobenzene	0.833	0.871	0.889	0.776	0.817	0.757	0.824	6.28
n-butylbenzene	3.63	3.49	3.61	3.16	3.47	3.00	3.39	7.54
1,2-dibromo-3-chloropropane	0.073	0.078	0.08	0.066	0.075	0.067	0.073	7.69
1,2,4-trichlorobenzene	0.499	0.500	0.513	0.387	0.454	0.416	0.462	11.2
hexachlorobutadiene	0.155	0.342	0.363	0.258	0.329	0.306	0.292	26.1
naphthalene	0.714	0.644	0.626	0.462	0.550	0.525	0.587	15.5
trans-1,4-Dichloro-2-butene	0.051	0.055	0.057	0.057	0.063	0.059	0.057	7.16
1,2,3-trichlorobenzene	0.384	0.383	0.398	0.287	0.347	0.323	0.354	12.1
MTBE	1.50	1.64	1.62	1.59	1.66	1.59	1.60	3.45
DIPE	3.09	3.17	3.24	3.15	3.02	3.01	3.11	2.98

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: 07/19/05 Time: 18:17

Lab File ID: 0719323.D Init. Calib. Date: 07/14/05

EPA Sample No.: QCHK100 Init. Calib. Time: 17:25

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	2.72	2.769		-1.8	
1,1,1-trichloroethane	0.984	0.992		-0.8	
1,1,2,2-tetrachloroethane	2.20	2.148	0.30	2.6	
1,1,2-trichloroethane	1.97	1.800		8.5	
1,1-dichloroethane	1.10	1.066	0.10	3.1	
1,1-dichloroethene	0.527	0.508		3.6	20.0
1,1-dichloropropene	0.959	0.957		0.2	
1,2,3-trichlorobenzene	0.354	0.291		17.8	
1,2,3-trichloropropane	2.92	3.001		-2.6	
1,2,4-trichlorobenzene	0.462	0.392		15.2	
1,2,4-trimethylbenzene	2.79	2.721		2.6	
1,2-dibromo-3-chloropropane	0.073	0.060		17.8	
1,2-dibromoethane	2.00	1.852		7.2	
1,2-dichlorobenzene	0.824	0.738		10.4	
1,2-dichloroethane	0.549	0.503		8.4	
1,2-dichloropropane	0.528	0.472		10.6	20.0
1,3,5-trimethylbenzene	3.00	2.955		1.5	
1,3-dichlorobenzene	1.05	1.001		4.9	
1,3-dichloropropane	4.43	4.138		6.5	
1,4-dichlorobenzene	1.05	1.001		4.9	
2,2-dichloropropane	1.03	1.033		-0.3	
2-butanone	0.387	0.298		23.0	
2-chloroethyl vinyl ether	0.221	0.180		18.6	
2-chlorotoluene	0.646	0.600		7.1	
2-hexanone	4.45	4.007		10.0	
4-chlorotoluene	0.618	0.583		5.7	
4-isopropyltoluene	3.04	3.040		0.1	
4-methyl-2-pentanone	0.580	0.475		18.1	
acetone	0.332	0.237		28.6	
acrolein	0.023	0.020		13.0	
acrylonitrile	0.072	0.065		9.7	
benzene	2.48	2.238		9.8	
bromobenzene	3.02	2.990		0.9	
bromochloromethane	0.133	0.113		15.0	
bromochloropropane	1.00	1.000		0.0	
bromodichloromethane	0.554	0.516		6.9	
bromoform	1.16	1.143	0.10	1.1	
bromomethane	0.333	0.229		31.2	
Carbon disulfide	1.94	1.847		4.9	
carbon tetrachloride	0.795	0.806		-1.4	

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: 07/19/05 Time: 18:17

Lab File ID: 0719323.D Init. Calib. Date: 07/14/05

EPA Sample No.: QCHK100 Init. Calib. Time: 17:25

Heated Purge: (Y/N) Y

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

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
chlorobenzene	10.591	10.476	0.30	1.1	
chloroethane	0.373	0.395		-5.9	
chloroform	0.938	0.924		1.5	20.0
chloromethane	0.796	0.654	0.10	17.8	
cis-1,2-dichloroethene	0.531	0.474		10.7	
cis-1,3-dichloropropene	0.655	0.598		8.7	
dibromochloromethane	2.171	2.128		2.0	
dibromomethane	0.177	0.149		15.8	
dichlorodifluoromethane	0.954	0.699		26.7	
DIPE	3.114	2.767		11.1	
ethylbenzene	4.293	4.306		-0.3	20.0
fluorobenzene	1.000	1.000		0.0	
hexachlorobutadiene	0.292	0.289		1.0	
Iodomethane	0.559	0.514		8.1	
isopropylbenzene	3.968	3.971		-0.1	
m/p-xylene	1.467	1.404		4.3	
methylene chloride	0.400	0.352		12.0	
MTBE	1.601	1.371		14.4	
n-butylbenzene	3.393	3.377		0.5	
n-propyl benzene	4.949	5.113		-3.3	
naphthalene	0.587	0.486		17.2	
o-xylene	1.289	1.221		5.3	
sec-butylbenzene	4.301	4.388		-2.0	
styrene	1.773	1.632		8.0	
tert-butylbenzene	2.514	2.494		0.8	
tetrachloroethene	4.510	4.832		-7.1	
toluene	1.363	1.282		5.9	20.0
trans-1,2-dichloroethene	0.556	0.532		4.3	
trans-1,3-dichloropropene	0.499	0.454		9.0	
trans-1,4-Dichloro-2-butene	0.057	0.051		10.5	
trichloroethene	0.616	0.600		2.6	
trichlorofluoromethane	0.951	1.044		-9.8	
Vinyl acetate	0.043	0.032		25.6	
vinyl chloride	0.929	0.867		6.7	20.0
1,2-dichloroethane-d4	0.246	0.229		6.9	
4-bromofluorobenzene	2.74	2.997		-9.2	
toluene-d8	0.711	0.722		-1.5	

Paradigm Analytical Laboratories, INC.

8A

VOLATILE 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.: QCHK100 Date Analyzed: 07/19/05

Lab File ID (Standard): 0719323.D Time Analyzed: 18:17

Instrument ID: MSD3 Heated Purge: (Y/N) Y

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

		IS1 (BCP) AREA #	RT #	IS2 (FB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	154578	11.27	1514880	8.05	914625	13.11
	UPPER LIMIT	309156	11.77	3029760	8.55	1829250	13.61
	LOWER LIMIT	77289	10.77	757440	7.55	457313	12.61
	EPA SAMPLE						
01	RNS1-10	212996	11.27	1850468	8.05	1250510	13.1
02	VBLK3071905C	158642	11.29	1511714	8.06	889247	13.11
03	LCS3071905B	182057	11.29	1686499	8.06	1056339	13.11
04	G204-469-2A	201779	11.27	1667055	8.05	1133934	13.11
05	G204-469-2B MS	134957	11.28	1423168	8.04	855921	13.10
06	G204-469-2C MSD	161848	11.27	1590836	8.05	992422	13.10
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IS1 (BCP) = Bromochloropropane
IS2 (FB) = Fluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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 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: LCS3071905B
Sample wt/vol: 5 (g) Lab File ID: 0719324.D
Level: (low/med) LOW
% Moisture: not dec. 0% Date Analyzed: 07/19/05 18:47
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	108	108	50.8-149
107-02-8	acrolein	1000	1120	112	NA-238
107-13-1	acrylonitrile	1000	1020	102	NA-212
71-43-2	benzene	100	88.2	88.2	77.6-122
108-86-1	bromobenzene	100	97.8	97.8	76.3-124
74-97-5	bromochloromethane	100	92.9	92.9	80.5-120
75-27-4	bromodichloromethane	100	99.8	99.8	77.4-122
75-25-2	bromoform	100	107	107	81.8-118
74-83-9	bromomethane	100	81.7	81.7	31.5-168
78-93-3	2-butanone	100	99.3	99.3	56.5-144
104-51-8	n-butylbenzene	100	92.1	92.1	76.8-123
135-98-8	sec-butylbenzene	100	94.3	94.3	78.5-122
98-06-6	tert-butylbenzene	100	92.7	92.7	77.7-122
75-15-0	Carbon disulfide	100	90.1	90.1	74.3-126
56-23-5	carbon tetrachloride	100	98.6	98.6	68.0-132
108-90-7	chlorobenzene	100	94.8	94.8	75.3-125
75-00-3	chloroethane	100	90.1	90.1	10.0-260
110-75-8	2-chloroethyl vinyl ether	100	89.9	89.9	NA-1020
67-66-3	chloroform	100	97.0	97.0	74.7-125
74-87-3	chloromethane	100	74.7	74.7*	78.6-121
95-49-8	2-chlorotoluene	100	88.6	88.6	77.8-122
106-43-4	4-chlorotoluene	100	90.2	90.2	77.2-123
124-48-1	dibromochloromethane	100	102	102	75.1-125
96-12-8	1,2-dibromo-3-chloropropane	500	490	97.9	67.4-133
106-93-4	1,2-dibromomethane	100	99.6	99.6	80.2-120
74-95-3	dibromomethane	100	93.3	93.3	81.0-119
95-50-1	1,2-dichlorobenzene	100	89.9	89.9	80.1-120
541-73-1	1,3-dichlorobenzene	100	88.8	88.8	78.9-121
106-46-7	1,4-dichlorobenzene	100	88.8	88.8	78.8-121
110-57-6	trans-1,4-Dichloro-2-butene	500	531	106	69.5-130
75-71-8	dichlorodifluoromethane	100	62.8	62.8*	65.0-135
75-34-3	1,1-dichloroethane	100	95.0	95.0	74.2-126
107-06-2	1,2-dichloroethane	100	98.0	98.0	74.9-125
75-35-4	1,1-dichloroethene	100	88.7	88.7	78.5-121
156-59-2	cis-1,2-dichloroethene	100	89.8	89.8	77.6-122
156-60-5	trans-1,2-dichloroethene	100	92.5	92.5	78.5-121
78-87-5	1,2-dichloropropane	100	92.2	92.2	76.6-123
142-28-9	1,3-dichloropropane	100	98.0	98.0	84.9-115
594-20-7	2,2-dichloropropane	100	96.5	96.5	68.6-131
563-58-6	1,1-dichloropropene	100	94.2	94.2	79.3-121
10061-01-5	cis-1,3-dichloropropene	100	96.7	96.7	75.8-124

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: LCS3071905B
Sample wt/vol: 5 (g) Lab File ID: 0719324.D
Level: (low/med) LOW
% Moisture: not dec. 0% Date Analyzed: 07/19/05 18:47
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	99.3	99.3	77.5-122
108-20-3	Diisopropyl ether	100	89.6	89.6	71.8-128
100-41-4	ethylbenzene	100	94.0	94.0	76.3-124
87-68-3	hexachlorobutadiene	100	87.5	87.5	73.5-126
591-78-6	2-hexanone	100	108	108	61.2-139
74-88-4	Iodomethane	100	94.6	94.6	37.0-163
98-82-8	isopropylbenzene	100	93.2	93.2	77.6-122
99-87-6	4-isopropyltoluene	100	93.6	93.6	78.1-122
1634-04-4	Methyl-tert-butyl ether	100	95.6	95.6	78.9-121
75-09-2	methylene chloride	100	90.6	90.6	57.9-142
108-10-1	4-methyl-2-pentanone	100	103	103	65.1-135
91-20-3	naphthalene	100	106	106	69.3-131
103-65-1	n-propyl benzene	100	96.5	96.5	78.3-122
100-42-5	styrene	100	90.6	90.6	82.7-117
630-20-6	1,1,1,2-tetrachloroethane	100	98.8	98.8	73.0-127
79-34-5	1,1,2,2-tetrachloroethane	100	109	109	78.4-122
127-18-4	tetrachloroethene	100	95.5	95.5	73.0-127
108-88-3	toluene	100	92.2	92.2	75.7-124
87-61-6	1,2,3-trichlorobenzene	100	87.1	87.1	76.5-124
120-82-1	1,2,4-trichlorobenzene	100	87.7	87.7	74.2-126
71-55-6	1,1,1-trichloroethane	100	97.2	97.2	70.5-130
79-00-5	1,1,2-trichloroethane	100	98.4	98.4	84.2-116
79-01-6	trichloroethene	100	94.0	94.0	60.8-139
75-69-4	trichlorofluoromethane	100	103	103	10.0-232
96-18-4	1,2,3-trichloropropane	100	118	118	74.4-126
95-36-3	1,2,4-trimethylbenzene	100	92.2	92.2	77.4-122
108-67-8	1,3,5-trimethylbenzene	100	92.8	92.8	77.6-122
108-05-4	Vinyl acetate	250	205	82.2	NA-NA
75-01-4	vinyl chloride	100	85.2	85.2	79.6-120
108-38-3	m/p-xylene	200	177	88.5	78.8-121
95-47-6	o-xylene	100	90.8	90.8	78.7-121

5035 Sample Raw Data

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719335.D Vial: 35
Acq On : 20 Jul 2005 12:25 am Operator: JTF
Sample : g161-2074-1a Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 0:50 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.05	96	1850468	50.00	ppb	0.00
39) bromochloropropane	11.27	79	212996	50.00	ppb	-0.03
53) chlorobenzene-d5	13.10	117	1250510	50.00	ppb	-0.03
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.49	65	581388	63.95	ppb	-0.03
Spiked Amount 50.000			Recovery	=	127.90%	
33) toluene-d8	10.65	98	1381656	52.54	ppb	-0.02
Spiked Amount 50.000			Recovery	=	105.08%	
49) 4-bromofluorobenzene	15.19	95	610283	52.20	ppb	-0.02
Spiked Amount 50.000			Recovery	=	104.40%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.70	85	871	0.02	ppb	#	41
3) chloromethane	1.92	50	620	0.02	ppb	#	48
7) trichlorofluoromethane	2.83	101	7517	0.21	ppb	#	17
10) acetone	3.54	43	24849	Below	Cal	#	67
11) methylene chloride	4.17	84	13560	0.92	ppb	#	77
17) 2-butanone	6.26	43	6044	0.42	ppb	#	52
24) benzene	7.59	78	18718	0.20	ppb		97
32) 4-methyl-2-pentanone	10.63	43	7262	0.34	ppb	#	1
34) toluene	10.76	92	15098	0.30	ppb	#	65
36) trans-1,3-dichloropropene	11.27	75	12597	0.68	ppb	#	56
38) Carbon disulfide	3.73	76	7500	0.10	ppb	#	11
43) 2-hexanone	11.92	43	692	0.04	ppb	#	29
46) chlorobenzene	13.15	112	2435	0.05	ppb	#	25
54) ethylbenzene	13.36	91	7103	0.07	ppb	#	81
55) m/p-xylene	13.58	106	6917	0.19	ppb		81
56) styrene	14.29	104	643	0.01	ppb		100
57) o-xylene	14.28	106	858	0.03	ppb	#	1
59) n-propyl benzene	15.67	91	6033	0.05	ppb	#	59
60) 2-chlorotoluene	15.74	126	742	0.05	ppb	#	1
62) 1,3,5-trimethylbenzene	16.01	105	793	0.01	ppb	#	33
64) 1,2,4-trimethylbenzene	16.68	105	7994	0.11	ppb	#	34
65) sec-butylbenzene	16.68	105	7994	0.07	ppb	#	65
66) 1,3-dichlorobenzene	17.15	146	1526	0.06	ppb	#	71
67) 4-isopropyltoluene	17.27	119	688	0.01	ppb	#	51
68) 1,4-dichlorobenzene	17.15	146	1526	0.06	ppb	#	71
69) 1,2-dichlorobenzene	17.99	146	610	0.03	ppb	#	22
70) n-butylbenzene	18.02	91	4224	0.05	ppb	#	60
71) 1,2-dibromo-3-chloropropan	19.14	75	7112	3.89	ppb	#	13
74) naphthalene	21.36	128	6838	Below	Cal		100

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719335.D Vial: 35
Acq On : 20 Jul 2005 12:25 am Operator: JTF
Sample : g161-2074-1a Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 0:50 2005 Quant Results File: 8260SSC.RES

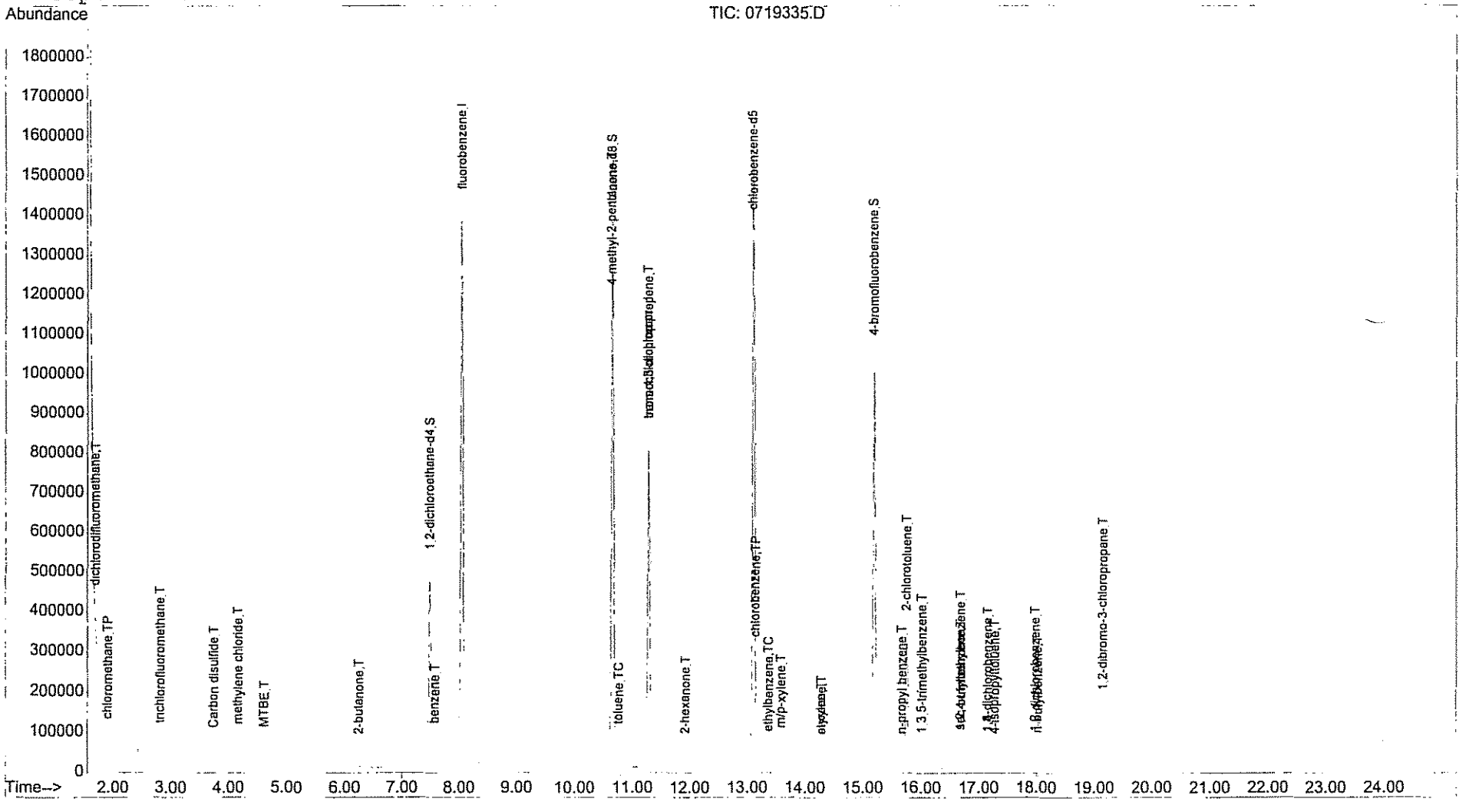
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77) MTBE	4.63	73	24784	0.62	ppb	#	91

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

Data File : C:\HPCHEM\1\DATA\3071905\0719335.D Vial: 35
Acq On : 20 Jul 2005 12:25 am Operator: JTF
Sample : g161-2074-1a Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 0:50 2005 Quant Results File: 8260SSC.RES

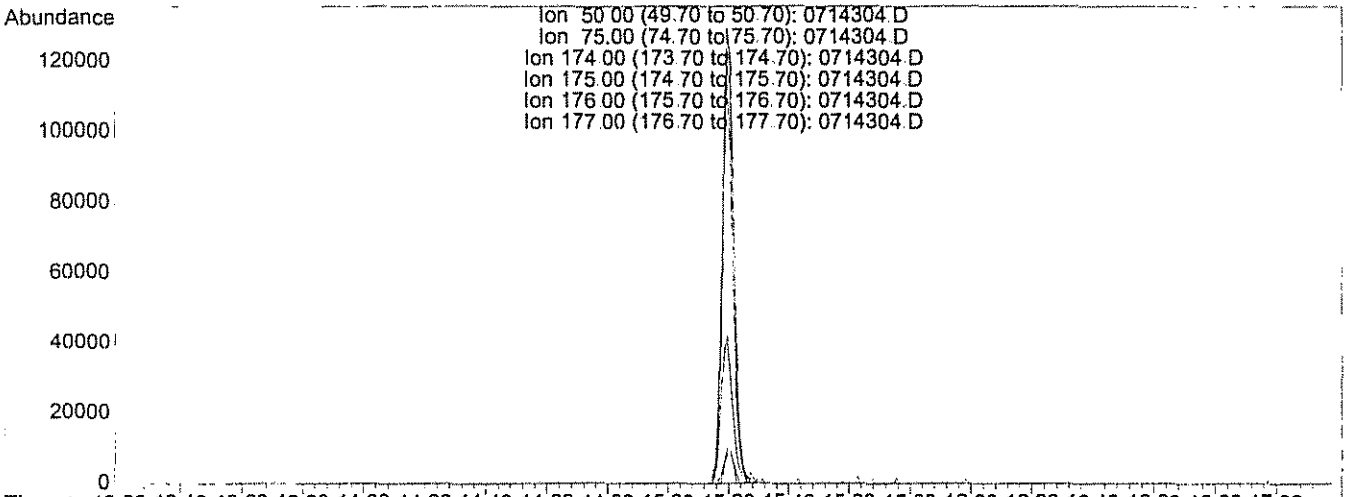
Method : C:\HPCHEM\1\DATA\3071905\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration

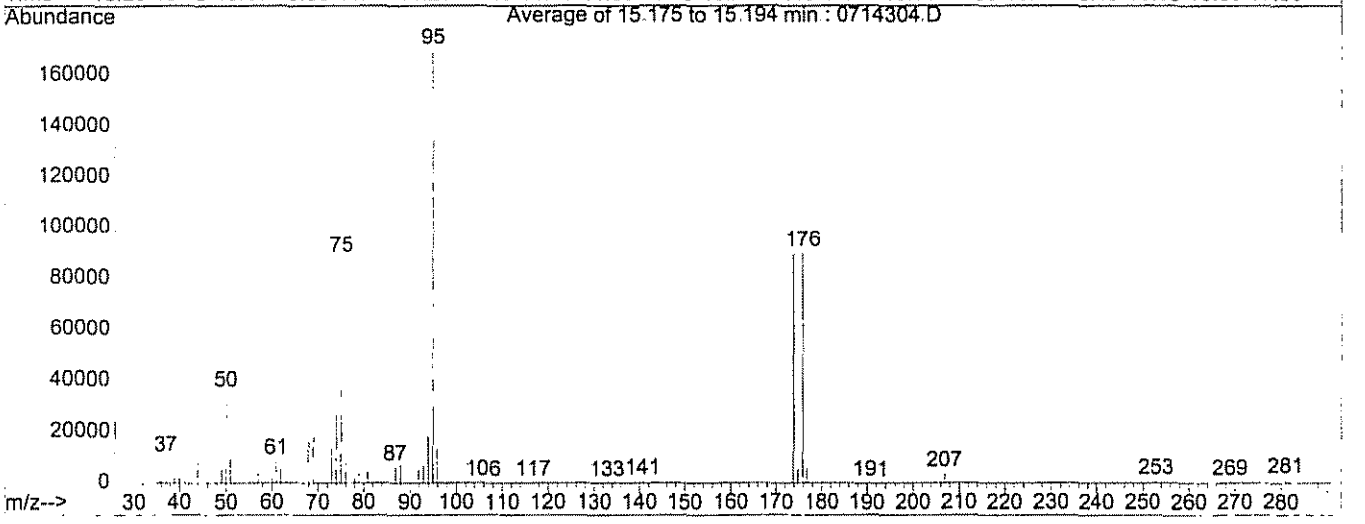


5035 Tuning

BFB

Data File : C:\HPCHEM\1\DATA\3071405\0714304.D Vial: 4
Acq On : 14 Jul 2005 1:46 pm Operator: JTF
Sample : bfb 50ng Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\DATA\3072005\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX





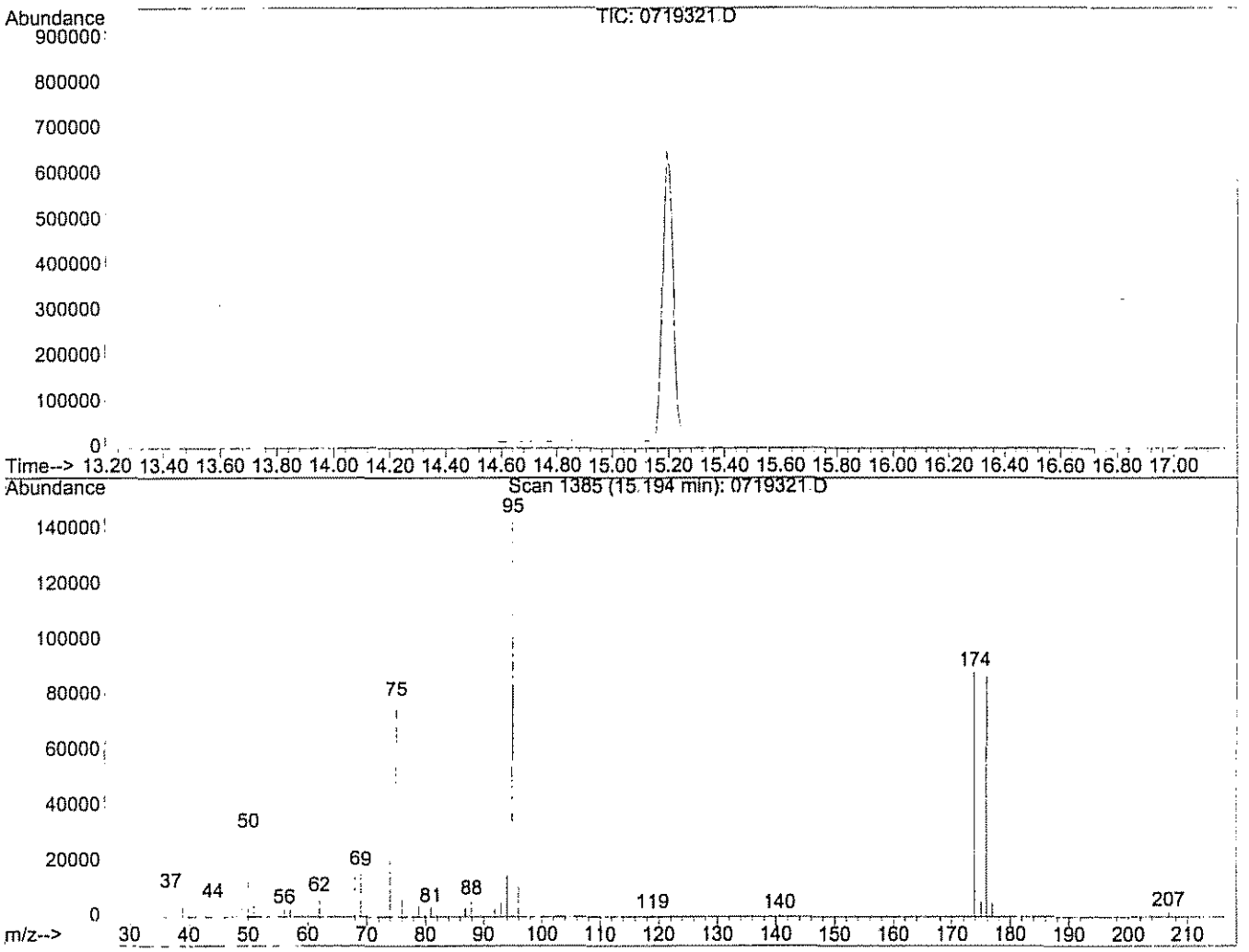
Spectrum Information: Average of 15.175 to 15.194 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	35355	PASS
75	95	30	60	51.8	88040	PASS
95	95	100	100	100.0	170115	PASS
96	95	5	9	8.0	13587	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	52.6	89555	PASS
175	174	5	9	6.0	5388	PASS
176	174	95	101	101.0	90421	PASS
177	176	5	9	6.5	5898	PASS

0714304.D 8260SSC.M Wed Jul 20 13:47:19 2005

BFB

Data File : C:\HPCHEM\1\DATA\3071905\0719321.D Vial: 21
Acq On : 19 Jul 2005 5:15 pm Operator: JTF
Sample : bfb 50ng Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\DATA\3071905\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX



Spectrum Information: Scan 1385

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.2	30568	PASS
75	95	30	60	54.0	77856	PASS
95	95	100	100	100.0	144256	PASS
96	95	5	9	7.8	11193	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	61.4	88616	PASS
175	174	5	9	6.3	5570	PASS
176	174	95	101	98.2	87040	PASS
177	176	5	9	5.9	5121	PASS

0719321.D 8260SSC.M Wed Jul 20 13:50:17 2005

5035 QC, Blanks Raw Data

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

Lab Sample ID: lcs3071905b
Analyst: JTF
Batch ID: 3071905

Date Analyzed: 19 Jul 2005 6:47 pm
Matrix: Soil

compound	Spiked (µg/Kg)	Amount recovered	LCS (%)	Limits Lower (%)	Limits Upper (%)
benzene	100	88.25	88.2	77.6	122
chlorobenzene	100	94.85	94.8	75.3	125
1,1-dichloroethene	100	88.73	88.7	78.5	121
toluene	100	92.25	92.3	75.7	124
trichloroethene	100	94.06	94.1	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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719324.D Vial: 24
Acq On : 19 Jul 2005 6:47 pm Operator: JTF
Sample : lcs3071905b Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 19:13 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.06	96	1686499	50.00	ppb	0.00
39) bromochloropropane	11.29	79	182057	50.00	ppb	0.00
53) chlorobenzene-d5	13.11	117	1056339	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.50	65	429469	51.83	ppb	0.00
Spiked Amount 50.000			Recovery	=	103.66%	
33) toluene-d8	10.66	98	1231550	51.39	ppb	0.00
Spiked Amount 50.000			Recovery	=	102.78%	
49) 4-bromofluorobenzene	15.20	95	558065	55.85	ppb	0.00
Spiked Amount 50.000			Recovery	=	111.70%	

Target Compounds							Qvalue
2) dichlorodifluoromethane	1.71	85	2018666	62.76	ppb		95
3) chloromethane	1.91	50	2007419	74.74	ppb		100
4) vinyl chloride	2.01	62	2669406	85.20	ppb		99
5) bromomethane	2.35	94	751029	81.73	ppb		91
6) chloroethane	2.46	64	870484	90.14	ppb		99
7) trichlorofluoromethane	2.77	101	3312970	103.24	ppb		100
8) acrolein	3.33	56	860894	1124.59	ppb		99
9) 1,1-dichloroethene	3.44	96	1577808	88.73	ppb		88
10) acetone	3.55	43	995762	107.58	ppb		99
11) methylene chloride	4.16	84	1223716	90.63	ppb		94
12) trans-1,2-dichloroethene	4.60	96	1732767	92.46	ppb		96
13) acrylonitrile	4.57	53	2705954	1015.54	ppb		97
14) 1,1-dichloroethane	5.26	63	3526471	95.03	ppb		99
15) 2,2-dichloropropane	6.18	77	3352926	96.50	ppb		98
16) cis-1,2-dichloroethene	6.19	96	1610090	89.84	ppb		94
17) 2-butanone	6.25	43	1295564	99.34	ppb		97
18) bromochloromethane	6.57	128	416013	92.90	ppb	#	76
19) chloroform	6.73	83	3067882	96.95	ppb		97
20) 1,1,1-trichloroethane	6.99	97	3227561	97.21	ppb		97
21) carbon tetrachloride	7.26	117	2645411	98.65	ppb		97
22) 1,1-dichloropropene	7.26	75	3047946	94.24	ppb		98
24) benzene	7.59	78	7385403	88.25	ppb		97
25) 1,2-dichloroethane	7.62	62	1815434	97.96	ppb		100
26) trichloroethene	8.65	95	1954432	94.06	ppb		96
27) 1,2-dichloropropane	9.00	63	1642665	92.26	ppb		99
28) dibromomethane	9.19	93	557302	93.27	ppb		96
29) bromodichloromethane	9.48	83	1865584	99.75	ppb		99
30) 2-chloroethyl vinyl ether	10.02	106	771800	89.86	ppb		98
31) cis-1,3-dichloropropene	10.23	75	2134200	96.67	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719324.D Vial: 24
Acq On : 19 Jul 2005 6:47 pm Operator: JTF
Sample : lcs3071905b Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 19:13 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.51	43	2022743	103.41	ppb		99
34)	toluene	10.78	92	4242375	92.25	ppb		97
35)	Iodomethane	3.65	142	1783177	94.59	ppb		99
36)	trans-1,3-dichloropropene	11.17	75	1670734	99.30	ppb		98
37)	Vinyl acetate	5.39	86	299961	205.43	ppb		83
38)	Carbon disulfide	3.74	76	5903890	90.08	ppb		99
40)	1,1,2-trichloroethane	11.47	83	704847	98.41	ppb		98
41)	tetrachloroethene	11.69	166	1567679	95.47	ppb		98
42)	1,3-dichloropropane	11.74	76	1580191	98.04	ppb		98
43)	2-hexanone	11.93	43	1753973	108.25	ppb		98
44)	dibromochloromethane	12.12	129	807402	102.13	ppb		99
45)	1,2-dibromoethane	12.30	107	723643	99.63	ppb	#	95
46)	chlorobenzene	13.16	112	3657654	94.85	ppb		96
47)	1,1,1,2-tetrachloroethane	13.32	131	979153	98.82	ppb		98
48)	bromoform	14.60	173	449600	106.80	ppb		100
50)	bromobenzene	15.44	156	1075234	97.83	ppb		95
51)	1,1,2,2-tetrachloroethane	15.50	83	874723	108.93	ppb		97
52)	1,2,3-trichloropropane	15.60	75	1255323	117.89	ppb		96
54)	ethylbenzene	13.38	91	8525565	94.00	ppb		99
55)	m/p-xylene	13.60	106	5482424	176.93	ppb		95
56)	styrene	14.31	104	3391822	90.57	ppb		100
57)	o-xylene	14.29	106	2472405	90.81	ppb		97
58)	isopropylbenzene	14.95	105	7814314	93.21	ppb		100
59)	n-propyl benzene	15.69	91	10091085	96.52	ppb		99
60)	2-chlorotoluene	15.82	126	1209048	88.57	ppb		96
61)	4-chlorotoluene	16.01	126	1178698	90.24	ppb		99
62)	1,3,5-trimethylbenzene	16.02	105	5881440	92.80	ppb		99
63)	tert-butylbenzene	16.59	119	4922851	92.68	ppb		97
64)	1,2,4-trimethylbenzene	16.68	105	5442548	92.21	ppb		97
65)	sec-butylbenzene	17.00	105	8569749	94.31	ppb		98
66)	1,3-dichlorobenzene	17.17	146	1976850	88.83	ppb		99
67)	4-isopropyltoluene	17.27	119	6017457	93.56	ppb		98
68)	1,4-dichlorobenzene	17.17	146	1976850	88.83	ppb		99
69)	1,2-dichlorobenzene	17.98	146	1565522	89.93	ppb		99
70)	n-butylbenzene	18.02	91	6603047	92.11	ppb		100
71)	1,2-dibromo-3-chloropropan	19.41	75	756430	489.61	ppb		98
72)	1,2,4-trichlorobenzene	20.95	180	855420	87.71	ppb		99
73)	hexachlorobutadiene	21.30	225	569627	87.50	ppb		98
74)	naphthalene	21.37	128	1188018	106.25	ppb		100
75)	trans-1,4-Dichloro-2-buten	15.61	89	639212	531.41	ppb		93
76)	1,2,3-trichlorobenzene	21.83	180	650641	87.06	ppb		99

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719324.D Vial: 24
Acq On : 19 Jul 2005 6:47 pm Operator: JTF
Sample : lcs3071905b Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 19:13 2005 Quant Results File: 8260SSC.RES

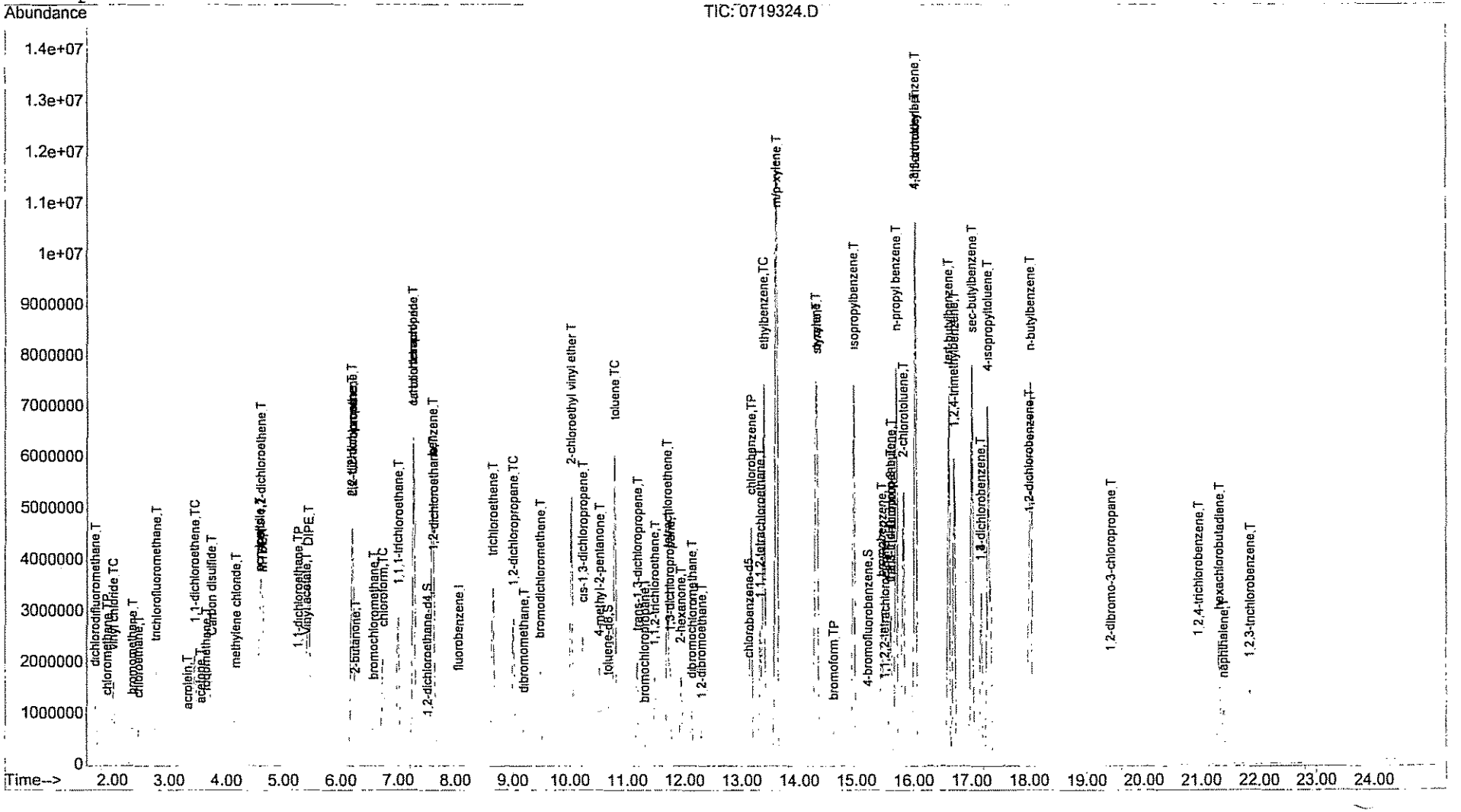
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	4.64	73	3234344	95.61 ppb	97
78) DIPE	5.43	45	5894842	89.61 ppb	96

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

Data File : C:\HPCHEM\1\DATA\3071905\0719324.D Vial: 24
Acq On : 19 Jul 2005 6:47 pm Operator: JTF
Sample : lcs3071905b Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 19:13 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3071905\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration



Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK3071905C
Lab Project ID:
Report Basis: Dry Weight

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

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	50.0	1	7/19/05
Benzene	BQL	5.00	1	7/19/05
Bromobenzene	BQL	5.00	1	7/19/05
Bromochloromethane	BQL	5.00	1	7/19/05
Bromodichloromethane	BQL	5.00	1	7/19/05
Bromoform	BQL	5.00	1	7/19/05
Bromomethane	BQL	5.00	1	7/19/05
2-Butanone	BQL	25.0	1	7/19/05
n-Butylbenzene	BQL	5.00	1	7/19/05
sec-Butylbenzene	BQL	5.00	1	7/19/05
tert-Butylbenzene	BQL	5.00	1	7/19/05
Carbon disulfide	BQL	5.00	1	7/19/05
Carbon tetrachloride	BQL	5.00	1	7/19/05
Chlorobenzene	BQL	5.00	1	7/19/05
Chloroethane	BQL	5.00	1	7/19/05
Chloroform	BQL	5.00	1	7/19/05
Chloromethane	BQL	5.00	1	7/19/05
2-Chlorotoluene	BQL	5.00	1	7/19/05
4-Chlorotoluene	BQL	5.00	1	7/19/05
Dibromochloromethane	BQL	5.00	1	7/19/05
1,2-Dibromo-3-chloropropane	BQL	5.00	1	7/19/05
Dibromomethane	BQL	5.00	1	7/19/05
1,2-Dibromoethane (EDB)	BQL	5.00	1	7/19/05
1,2-Dichlorobenzene	BQL	5.00	1	7/19/05
1,3-Dichlorobenzene	BQL	5.00	1	7/19/05
1,4-Dichlorobenzene	BQL	5.00	1	7/19/05
trans-1,4-Dichloro-2-butene	BQL	5.00	1	7/19/05
1,1-Dichloroethane	BQL	5.00	1	7/19/05
1,1-Dichloroethene	BQL	5.00	1	7/19/05
1,2-Dichloroethane	BQL	5.00	1	7/19/05
cis-1,2-Dichloroethene	BQL	5.00	1	7/19/05
trans-1,2-dichloroethene	BQL	5.00	1	7/19/05
1,2-Dichloropropane	BQL	5.00	1	7/19/05
1,3-Dichloropropane	BQL	5.00	1	7/19/05
2,2-Dichloropropane	BQL	5.00	1	7/19/05
1,1-Dichloropropene	BQL	5.00	1	7/19/05
cis-1,3-Dichloropropene	BQL	5.00	1	7/19/05
trans-1,3-Dichloropropene	BQL	5.00	1	7/19/05
Dichlorodifluoromethane	BQL	5.00	1	7/19/05
Diisopropyl ether (DIPE)	BQL	5.00	1	7/19/05
Ethylbenzene	BQL	5.00	1	7/19/05
Hexachlorobutadiene	BQL	5.00	1	7/19/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK3071905C
Lab Project ID:
Report Basis: Dry Weight

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

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	5.00	1	7/19/05
Iodomethane	BQL	5.00	1	7/19/05
Isopropylbenzene	BQL	5.00	1	7/19/05
4-Isopropyltoluene	BQL	5.00	1	7/19/05
Methylene chloride	BQL	20.0	1	7/19/05
4-Methyl-2-pentanone	BQL	5.00	1	7/19/05
Methyl-tert-butyl ether (MTBE)	BQL	5.00	1	7/19/05
Naphthalene	7.47	5.00	1	7/19/05
n-Propyl benzene	BQL	5.00	1	7/19/05
Styrene	BQL	5.00	1	7/19/05
1,1,1,2-Tetrachloroethane	BQL	5.00	1	7/19/05
1,1,2,2-Tetrachloroethane	BQL	5.00	1	7/19/05
Tetrachloroethene	BQL	5.00	1	7/19/05
Toluene	BQL	5.00	1	7/19/05
1,2,3-Trichlorobenzene	BQL	5.00	1	7/19/05
1,2,4-Trichlorobenzene	BQL	5.00	1	7/19/05
Trichloroethene	BQL	5.00	1	7/19/05
1,1,1-Trichloroethane	BQL	5.00	1	7/19/05
1,1,2-Trichloroethane	BQL	5.00	1	7/19/05
Trichlorofluoromethane	BQL	5.00	1	7/19/05
1,2,3-Trichloropropane	BQL	5.00	1	7/19/05
1,2,4-Trimethylbenzene	BQL	5.00	1	7/19/05
1,3,5-Trimethylbenzene	BQL	5.00	1	7/19/05
Vinyl chloride	BQL	5.00	1	7/19/05
m-,p-Xylene	BQL	10.0	1	7/19/05
o-Xylene	BQL	5.00	1	7/19/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	48.1	96
1,2-Dichloroethane-d4	50	53.2	106
Toluene-d8	50	50.4	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719325.D Vial: 25
Acq On : 19 Jul 2005 7:18 pm Operator: JTF
Sample : vblk3071905c Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 19:43 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) fluorobenzene	8.06	96	1511714	50.00 ppb	0.00
39) bromochloropropane	11.29	79	158642	50.00 ppb	0.00
53) chlorobenzene-d5	13.11	117	889247	50.00 ppb	0.00
System Monitoring Compounds					
23) 1,2-dichloroethane-d4	7.50	65	394811	53.16 ppb	0.00
Spiked Amount 50.000			Recovery	= 106.32%	
33) toluene-d8	10.67	98	1082127	50.37 ppb	0.00
Spiked Amount 50.000			Recovery	= 100.74%	
49) 4-bromofluorobenzene	15.20	95	419267	48.15 ppb	0.00
Spiked Amount 50.000			Recovery	= 96.30%	

Target Compounds						Qvalue
3) chloromethane	1.91	50	1454	0.06 ppb	#	48
4) vinyl chloride	2.02	62	812	0.03 ppb	#	43
5) bromomethane	2.37	94	650	Below Cal	#	1
8) acrolein	3.32	56	5224	7.61 ppb	#	57
9) 1,1-dichloroethene	3.46	96	3261	0.20 ppb	#	15
10) acetone	3.55	43	19214	Below Cal	#	52
11) methylene chloride	4.17	84	14799	1.22 ppb		95
12) trans-1,2-dichloroethene	4.60	96	4588	0.27 ppb	#	33
13) acrylonitrile	4.57	53	24869	15.47 ppb		91
14) 1,1-dichloroethane	5.28	63	803	0.02 ppb	#	51
16) cis-1,2-dichloroethene	6.21	96	7154	0.45 ppb	#	10
17) 2-butanone	6.26	43	10613	0.91 ppb	#	52
19) chloroform	6.73	83	1724	0.06 ppb	#	19
22) 1,1-dichloropropene	7.26	75	5585	0.19 ppb	#	53
24) benzene	7.59	78	34180	0.46 ppb		99
25) 1,2-dichloroethane	7.62	62	6321	0.38 ppb	#	81
26) trichloroethene	8.66	95	3641	0.20 ppb	#	76
28) dibromomethane	9.19	93	1599	0.30 ppb	#	7
29) bromodichloromethane	9.49	83	2267	0.14 ppb	#	25
31) cis-1,3-dichloropropene	10.24	75	6306	0.32 ppb	#	56
32) 4-methyl-2-pentanone	10.52	43	18080	1.03 ppb	#	82
34) toluene	10.77	92	11615	0.28 ppb		79
36) trans-1,3-dichloropropene	11.17	75	10331	0.69 ppb	#	56
38) Carbon disulfide	3.74	76	21916	0.37 ppb	#	72
41) tetrachloroethene	11.69	166	1569	0.11 ppb	#	21
42) 1,3-dichloropropane	11.75	76	5172	0.37 ppb	#	80
43) 2-hexanone	11.94	43	25693	1.82 ppb	#	94
45) 1,2-dibromoethane	12.30	107	2887	0.46 ppb	#	72
46) chlorobenzene	13.15	112	23584	0.70 ppb	#	90

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719325.D Vial: 25
Acq On : 19 Jul 2005 7:18 pm Operator: JTF
Sample : vblk3071905c Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 19:43 2005 Quant Results File: 8260SSC.RES

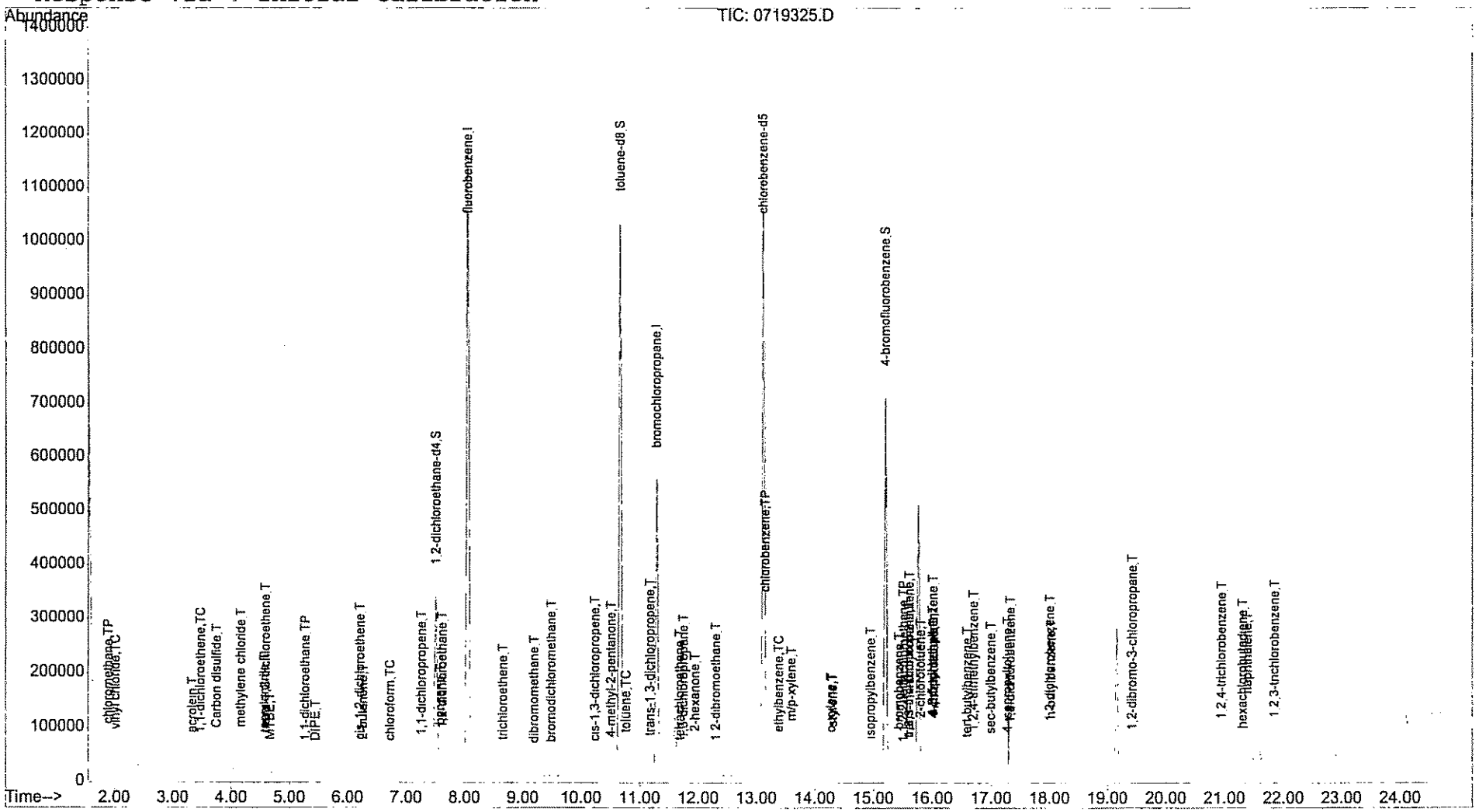
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
50)	bromobenzene	15.44	156	7017	0.73 ppb		95
51)	1,1,2,2-tetrachloroethane	15.50	83	2302	0.33 ppb	#	26
52)	1,2,3-trichloropropane	15.62	75	9680	1.04 ppb	#	50
54)	ethylbenzene	13.38	91	25699	0.34 ppb		96
55)	m/p-xylene	13.61	106	19185	0.74 ppb		94
56)	styrene	14.31	104	22339	0.71 ppb		100
57)	o-xylene	14.28	106	6971	0.30 ppb		100
58)	isopropylbenzene	14.96	105	14694	0.21 ppb	#	80
59)	n-propyl benzene	16.01	91	44630	0.51 ppb		99
60)	2-chlorotoluene	15.81	126	2966	0.26 ppb	#	1
61)	4-chlorotoluene	16.03	126	9484	0.86 ppb	#	90
62)	1,3,5-trimethylbenzene	16.02	105	19925	0.37 ppb		97
63)	tert-butylbenzene	16.58	119	8856	0.20 ppb		89
64)	1,2,4-trimethylbenzene	16.68	105	27326	0.55 ppb		93
65)	sec-butylbenzene	16.99	105	25412	0.33 ppb	#	65
66)	1,3-dichlorobenzene	17.32	146	22972	1.23 ppb		89
67)	4-isopropyltoluene	17.27	119	22674	0.42 ppb		98
68)	1,4-dichlorobenzene	17.32	146	22972	1.23 ppb		89
69)	1,2-dichlorobenzene	17.99	146	14644	1.00 ppb		93
70)	n-butylbenzene	18.02	91	44583	0.74 ppb		95
71)	1,2-dibromo-3-chloropropan	19.41	75	10875	8.36 ppb	#	70
72)	1,2,4-trichlorobenzene	20.95	180	13720	1.67 ppb	#	72
73)	hexachlorobutadiene	21.30	225	2753	0.84 ppb	#	44
74)	naphthalene	21.38	128	83136	7.47 ppb		100
75)	trans-1,4-Dichloro-2-buten	15.61	89	2299	2.27 ppb	#	13
76)	1,2,3-trichlorobenzene	21.83	180	12293	1.95 ppb		89
77)	MTBE	4.67	73	595	0.02 ppb	#	52
78)	DIPE	5.43	45	608	0.01 ppb	#	36

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

Data File : C:\HPCHEM\1\DATA\3071905\0719325.D Vial: 25
Acq On : 19 Jul 2005 7:18 pm Operator: JTF
Sample : vblk3071905c Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 19:43 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3071905\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719331.D Vial: 31
Acq On : 19 Jul 2005 10:22 pm Operator: JTF
Sample : g204-469-2a Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 7:34 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.05	96	1667055	50.00	ppb	0.00
39) bromochloropropane	11.27	79	201779	50.00	ppb	-0.03
53) chlorobenzene-d5	13.11	117	1133934	50.00	ppb	-0.02
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.50	65	528500	64.53	ppb	-0.02
Spiked Amount 50.000			Recovery	=	129.06%	
33) toluene-d8	10.65	98	1256546	53.04	ppb	-0.02
Spiked Amount 50.000			Recovery	=	106.08%	
49) 4-bromofluorobenzene	15.19	95	583413	52.68	ppb	-0.02
Spiked Amount 50.000			Recovery	=	105.36%	
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.70	85	663	0.02	ppb #	41
5) bromomethane	2.37	94	942	Below Cal	#	69
7) trichlorofluoromethane	2.81	101	12087	0.38	ppb	81
10) acetone	3.54	43	53885	Below Cal	#	87
11) methylene chloride	4.17	84	47607	3.57	ppb #	83
16) cis-1,2-dichloroethene	6.21	96	1327	0.07	ppb #	1
17) 2-butanone	6.26	43	14834	1.15	ppb #	70
24) benzene	7.59	78	23104	0.28	ppb #	76
32) 4-methyl-2-pentanone	10.51	43	749	0.04	ppb #	43
34) toluene	10.78	92	15087	0.33	ppb #	59
35) Iodomethane	3.65	142	7109	0.38	ppb	87
36) trans-1,3-dichloropropene	11.27	75	11069	0.67	ppb #	56
38) Carbon disulfide	3.75	76	8086	0.12	ppb #	67
43) 2-hexanone	11.92	43	1641	0.09	ppb #	29
46) chlorobenzene	13.15	112	3597	0.08	ppb #	81
50) bromobenzene	15.44	156	656	0.05	ppb #	39
54) ethylbenzene	13.35	91	7119	0.07	ppb #	68
55) m/p-xylene	13.58	106	6184	0.19	ppb	95
56) styrene	14.29	104	1804	0.04	ppb	100
57) o-xylene	14.28	106	825	0.03	ppb #	1
58) isopropylbenzene	14.94	105	687	0.01	ppb #	53
59) n-propyl benzene	15.68	91	7324	0.07	ppb #	81
62) 1,3,5-trimethylbenzene	16.01	105	2645	0.04	ppb #	33
64) 1,2,4-trimethylbenzene	16.67	105	15051	0.24	ppb #	62
65) sec-butylbenzene	16.98	105	1235	0.01	ppb #	65
66) 1,3-dichlorobenzene	17.14	146	3603	0.15	ppb #	63
67) 4-isopropyltoluene	17.26	119	1537	0.02	ppb #	51
68) 1,4-dichlorobenzene	17.14	146	3603	0.15	ppb #	63
69) 1,2-dichlorobenzene	18.00	146	809	0.04	ppb #	22

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719331.D Vial: 31
Acq On : 19 Jul 2005 10:22 pm Operator: JTF
Sample : g204-469-2a Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 7:34 2005 Quant Results File: 8260SSC.RES

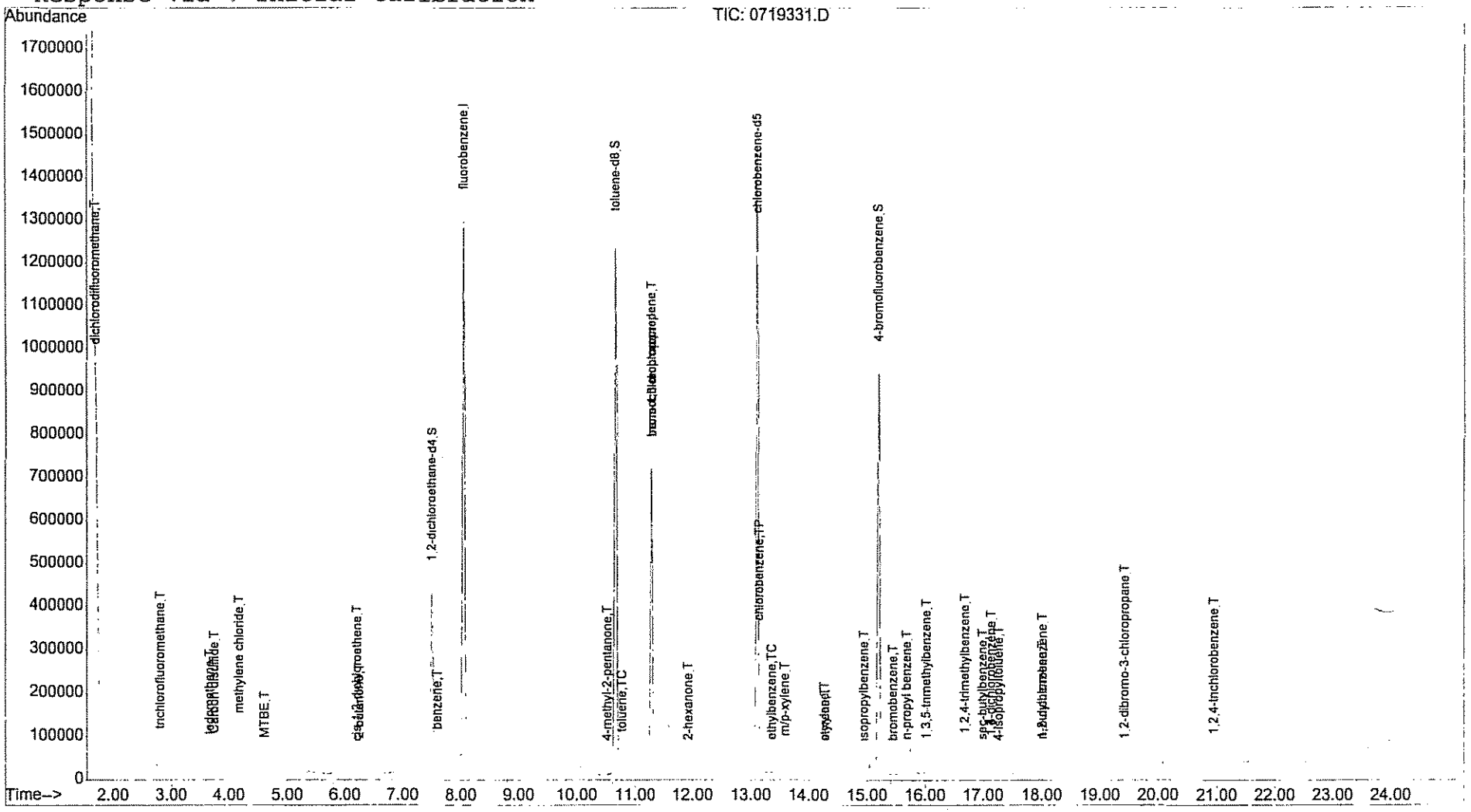
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
70)	n-butylbenzene	18.02	91	5964	0.08 ppb	#	60
71)	1,2-dibromo-3-chloropropan	19.41	75	649	0.39 ppb	#	13
72)	1,2,4-trichlorobenzene	20.94	180	2018	0.19 ppb	#	4
74)	naphthalene	21.37	128	9350	Below Cal		100
77)	MTBE	4.61	73	3212	0.09 ppb	#	25

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

Data File : C:\HPCHEM\1\DATA\3071905\0719331.D Vial: 31
Acq On : 19 Jul 2005 10:22 pm Operator: JTF
Sample : g204-469-2a Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 7:34 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3071905\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719337.D Vial: 37
Acq On : 20 Jul 2005 1:27 am Operator: JTF
Sample : g204-469-2b ms Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 1:52 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) fluorobenzene	8.04	96	1423168	50.00 ppb	-0.01
39) bromochloropropane	11.28	79	134957	50.00 ppb	-0.02
53) chlorobenzene-d5	13.10	117	855921	50.00 ppb	-0.02
System Monitoring Compounds					
23) 1,2-dichloroethane-d4	7.49	65	334877	47.89 ppb	-0.02
Spiked Amount 50.000			Recovery =	95.78%	
33) toluene-d8	10.66	98	1018074	50.34 ppb	-0.01
Spiked Amount 50.000			Recovery =	100.68%	
49) 4-bromofluorobenzene	15.19	95	432698	58.41 ppb	-0.01
Spiked Amount 50.000			Recovery =	116.82%	

Target Compounds						Qvalue
2) dichlorodifluoromethane	1.71	85	3286837	121.09 ppb		97
3) chloromethane	1.90	50	2311375	101.98 ppb	#	98
4) vinyl chloride	2.02	62	2667523	100.90 ppb		99
5) bromomethane	2.36	94	612254	78.73 ppb		92
6) chloroethane	2.47	64	1122203	141.68 ppb		99
7) trichlorofluoromethane	2.79	101	2934483	108.37 ppb		99
8) acrolein	3.32	56	442204	684.54 ppb		99
9) 1,1-dichloroethene	3.45	96	1220331	81.33 ppb	#	78
10) acetone	3.54	43	550004	67.76 ppb		96
11) methylene chloride	4.16	84	869240	76.29 ppb	#	81
12) trans-1,2-dichloroethene	4.59	96	1372470	86.79 ppb		96
13) acrylonitrile	4.56	53	1676055	746.77 ppb		96
14) 1,1-dichloroethane	5.25	63	2915659	93.11 ppb		99
15) 2,2-dichloropropane	6.18	77	2647658	90.30 ppb		97
16) cis-1,2-dichloroethene	6.19	96	1230279	81.35 ppb		92
17) 2-butanone	6.25	43	773811	70.31 ppb		94
18) bromochloromethane	6.57	128	304964	80.71 ppb	#	70
19) chloroform	6.72	83	2365189	88.58 ppb		98
20) 1,1,1-trichloroethane	6.98	97	2681221	95.70 ppb		99
21) carbon tetrachloride	7.26	117	2195316	97.01 ppb		98
22) 1,1-dichloropropene	7.26	75	2500965	91.64 ppb		97
24) benzene	7.58	78	5796999	82.08 ppb		98
25) 1,2-dichloroethane	7.62	62	1325590	84.76 ppb		99
26) trichloroethene	8.65	95	1565046	89.26 ppb		99
27) 1,2-dichloropropane	9.00	63	1264760	84.18 ppb		99
28) dibromomethane	9.19	93	384008	76.16 ppb		94
29) bromodichloromethane	9.47	83	1345748	85.27 ppb		99
30) 2-chloroethyl vinyl ether	10.01	106	497430	69.23 ppb		97
31) cis-1,3-dichloropropene	10.22	75	1509025	81.00 ppb		98

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719337.D Vial: 37
Acq On : 20 Jul 2005 1:27 am Operator: JTF
Sample : g204-469-2b ms Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 1:52 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.51	43	1228582	74.43	ppb		97
34)	toluene	10.76	92	3311429	85.33	ppb		99
35)	Iodomethane	3.65	142	1326627	83.39	ppb		96
36)	trans-1,3-dichloropropene	11.16	75	1125415	79.27	ppb		97
37)	Vinyl acetate	5.37	86	175710	142.60	ppb		97
38)	Carbon disulfide	3.74	76	4653284	84.14	ppb		100
40)	1,1,2-trichloroethane	11.46	83	460035	86.65	ppb		96
41)	tetrachloroethene	11.69	166	1244482	102.24	ppb		94
42)	1,3-dichloropropane	11.73	76	1061990	88.88	ppb		97
43)	2-hexanone	11.93	43	996812	82.99	ppb		94
44)	dibromochloromethane	12.11	129	556306	94.93	ppb		94
45)	1,2-dibromoethane	12.28	107	477555	88.70	ppb	#	90
46)	chlorobenzene	13.15	112	2801437	98.00	ppb		95
47)	1,1,1,2-tetrachloroethane	13.31	131	735755	100.17	ppb		97
48)	bromoform	14.60	173	274725	88.04	ppb		96
50)	bromobenzene	15.44	156	772732	94.85	ppb		98
51)	1,1,2,2-tetrachloroethane	15.49	83	554385	93.13	ppb		97
52)	1,2,3-trichloropropane	15.59	75	682172	86.42	ppb		93
54)	ethylbenzene	13.37	91	6716949	91.40	ppb		100
55)	m/p-xylene	13.58	106	4426570	176.30	ppb		97
56)	styrene	14.30	104	2603363	85.79	ppb		100
57)	o-xylene	14.27	106	1950408	88.41	ppb		99
58)	isopropylbenzene	14.94	105	6499994	95.69	ppb		100
59)	n-propyl benzene	15.68	91	8254760	97.44	ppb		100
60)	2-chlorotoluene	15.80	126	973143	87.98	ppb		100
61)	4-chlorotoluene	16.00	126	949516	89.72	ppb		92
62)	1,3,5-trimethylbenzene	16.01	105	4884722	95.12	ppb		99
63)	tert-butylbenzene	16.59	119	3952945	91.85	ppb		100
64)	1,2,4-trimethylbenzene	16.68	105	4428412	92.60	ppb		99
65)	sec-butylbenzene	16.98	105	7238990	98.32	ppb		99
66)	1,3-dichlorobenzene	17.15	146	1577343	87.47	ppb		97
67)	4-isopropyltoluene	17.26	119	5095321	97.78	ppb		99
68)	1,4-dichlorobenzene	17.15	146	1577343	87.47	ppb		97
69)	1,2-dichlorobenzene	17.98	146	1172779	83.15	ppb		98
70)	n-butylbenzene	18.01	91	5520198	95.04	ppb		100
71)	1,2-dibromo-3-chloropropan	19.40	75	453281	362.09	ppb		91
72)	1,2,4-trichlorobenzene	20.94	180	620748	78.55	ppb		97
73)	hexachlorobutadiene	21.28	225	470328	89.16	ppb		97
74)	naphthalene	21.36	128	734616	80.73	ppb		100
75)	trans-1,4-Dichloro-2-buten	15.59	89	375999	385.78	ppb		92
76)	1,2,3-trichlorobenzene	21.81	180	458950	75.79	ppb		96

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719337.D Vial: 37
Acq On : 20 Jul 2005 1:27 am Operator: JTF
Sample : g204-469-2b ms Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 1:52 2005 Quant Results File: 8260SSC.RES

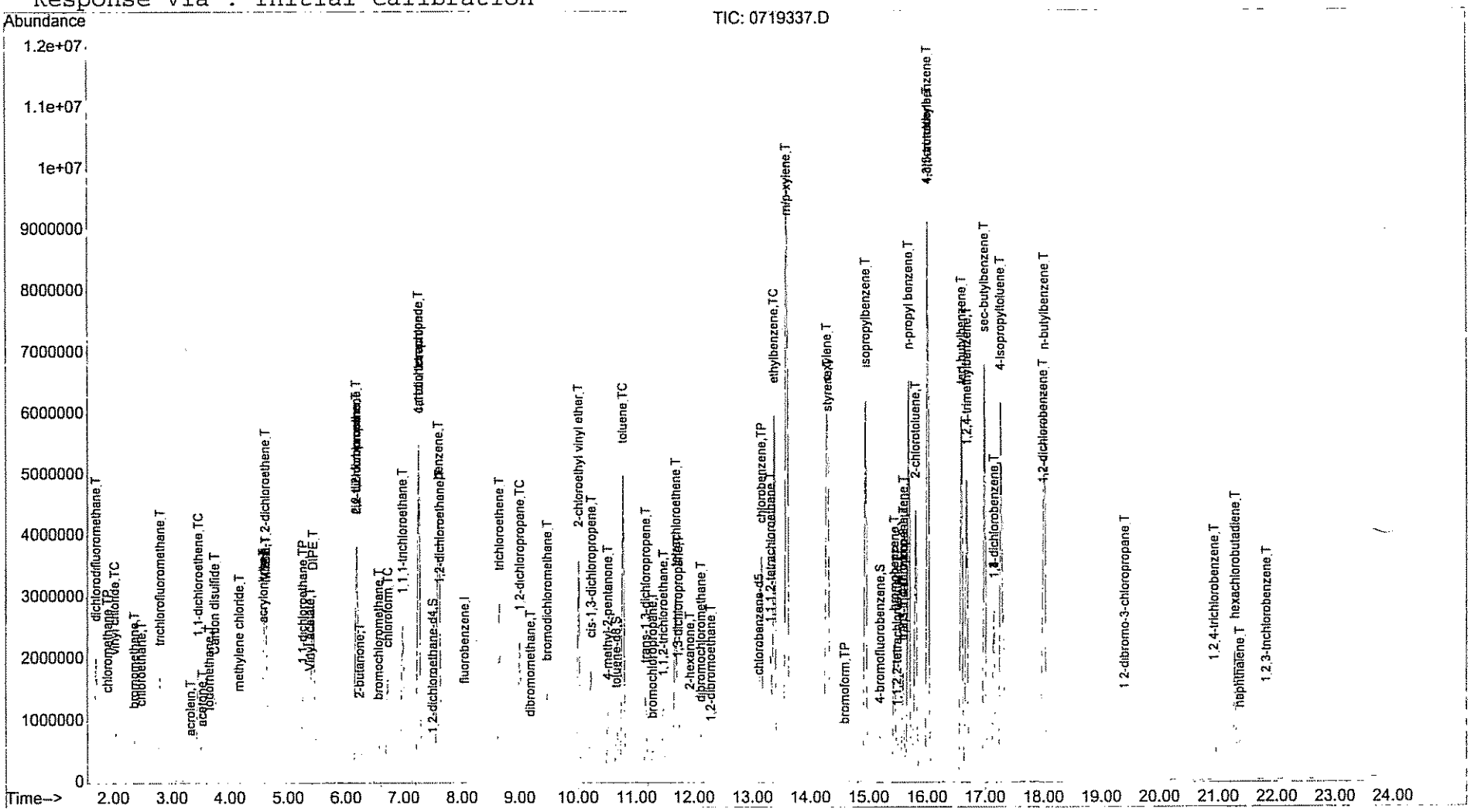
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	4.62	73	2065368	75.35 ppb	97
78) DIPE	5.43	45	4826122	90.55 ppb	98

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

Data File : C:\HPCHEM\1\DATA\3071905\0719337.D Vial: 37
Acq On : 20 Jul 2005 1:27 am Operator: JTF
Sample : g204-469-2b ms Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 1:52 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3071905\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719338.D Vial: 38
Acq On : 20 Jul 2005 1:57 am Operator: JTF
Sample : g204-469-2c msd Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 2:22 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.05	96	1590836	50.00	ppb	0.00
39) bromochloropropane	11.27	79	161848	50.00	ppb	-0.03
53) chlorobenzene-d5	13.10	117	992422	50.00	ppb	-0.02
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.50	65	363952	46.57	ppb	-0.02
Spiked Amount 50.000			Recovery	=	93.14%	
33) toluene-d8	10.66	98	1156335	51.15	ppb	0.00
Spiked Amount 50.000			Recovery	=	102.30%	
49) 4-bromofluorobenzene	15.19	95	503693	56.70	ppb	0.00
Spiked Amount 50.000			Recovery	=	113.40%	
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.71	85	3793731	125.03	ppb	96
3) chloromethane	1.91	50	2596066	102.47	ppb	99
4) vinyl chloride	2.01	62	3186155	107.81	ppb	98
5) bromomethane	2.36	94	750345	86.96	ppb	95
6) chloroethane	2.47	64	1368582	155.26	ppb	97
7) trichlorofluoromethane	2.79	101	3403309	112.43	ppb	98
8) acrolein	3.33	56	575537	797.04	ppb	99
9) 1,1-dichloroethene	3.45	96	1443773	86.08	ppb	89
10) acetone	3.54	43	480837	51.32	ppb	95
11) methylene chloride	4.16	84	1025585	80.53	ppb	89
12) trans-1,2-dichloroethene	4.60	96	1549457	87.65	ppb	97
13) acrylonitrile	4.56	53	2032494	809.70	ppb	98
14) 1,1-dichloroethane	5.26	63	3204337	91.54	ppb	99
15) 2,2-dichloropropane	6.17	77	2880341	87.88	ppb	97
16) cis-1,2-dichloroethene	6.19	96	1388712	82.15	ppb	99
17) 2-butanone	6.24	43	741447	60.27	ppb	93
18) bromochloromethane	6.56	128	350631	83.01	ppb	87
19) chloroform	6.72	83	2661062	89.15	ppb	99
20) 1,1,1-trichloroethane	6.98	97	2885089	92.12	ppb	100
21) carbon tetrachloride	7.25	117	2391883	94.56	ppb	99
22) 1,1-dichloropropene	7.26	75	2731356	89.53	ppb	98
24) benzene	7.58	78	6485861	82.16	ppb	97
25) 1,2-dichloroethane	7.61	62	1487324	85.08	ppb	100
26) trichloroethene	8.64	95	1695812	86.52	ppb	95
27) 1,2-dichloropropane	8.99	63	1409931	83.95	ppb	99
28) dibromomethane	9.19	93	433793	76.97	ppb	96
29) bromodichloromethane	9.47	83	1518154	86.06	ppb	98
30) 2-chloroethyl vinyl ether	10.01	106	607664	75.42	ppb	96
31) cis-1,3-dichloropropene	10.22	75	1689099	81.11	ppb	98

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719338.D Vial: 38
Acq On : 20 Jul 2005 1:57 am Operator: JTF
Sample : g204-469-2c msd Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 2:22 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.50	43	1368698	74.18	ppb		98
34)	toluene	10.77	92	3697312	85.24	ppb		98
35)	Iodomethane	3.65	142	1560676	87.77	ppb		100
36)	trans-1,3-dichloropropene	11.16	75	1289645	81.26	ppb		99
37)	Vinyl acetate	5.38	86	252575	183.38	ppb		95
38)	Carbon disulfide	3.74	76	5292925	85.61	ppb		99
40)	1,1,2-trichloroethane	11.46	83	546792	85.88	ppb		99
41)	tetrachloroethene	11.68	166	1345207	92.15	ppb		92
42)	1,3-dichloropropane	11.73	76	1239510	86.50	ppb		97
43)	2-hexanone	11.92	43	987555	68.56	ppb		95
44)	dibromochloromethane	12.11	129	638102	90.79	ppb		97
45)	1,2-dibromoethane	12.29	107	556648	86.21	ppb		95
46)	chlorobenzene	13.15	112	3158763	92.14	ppb		95
47)	1,1,1,2-tetrachloroethane	13.31	131	834065	94.69	ppb		99
48)	bromoform	14.59	173	318893	85.21	ppb		99
50)	bromobenzene	15.43	156	878082	89.87	ppb		95
51)	1,1,2,2-tetrachloroethane	15.49	83	643707	90.17	ppb	#	95
52)	1,2,3-trichloropropane	15.59	75	848821	89.67	ppb		93
54)	ethylbenzene	13.37	91	7469870	87.67	ppb		100
55)	m/p-xylene	13.59	106	4889289	167.95	ppb		98
56)	styrene	14.30	104	2849237	80.98	ppb		100
57)	o-xylene	14.27	106	2161370	84.50	ppb		100
58)	isopropylbenzene	14.94	105	7069261	89.75	ppb		100
59)	n-propyl benzene	15.68	91	8924586	90.86	ppb		100
60)	2-chlorotoluene	15.81	126	1087289	84.78	ppb		98
61)	4-chlorotoluene	16.00	126	1028252	83.79	ppb		98
62)	1,3,5-trimethylbenzene	16.01	105	5282932	88.72	ppb		99
63)	tert-butylbenzene	16.58	119	4392516	88.02	ppb		97
64)	1,2,4-trimethylbenzene	16.67	105	4927180	88.86	ppb		96
65)	sec-butylbenzene	16.99	105	7812533	91.52	ppb		99
66)	1,3-dichlorobenzene	17.15	146	1741489	83.29	ppb		98
67)	4-isopropyltoluene	17.26	119	5409696	89.53	ppb		97
68)	1,4-dichlorobenzene	17.15	146	1741489	83.29	ppb		98
69)	1,2-dichlorobenzene	17.97	146	1359220	83.11	ppb		99
70)	n-butylbenzene	18.01	91	6128322	91.00	ppb		100
71)	1,2-dibromo-3-chloropropan	19.40	75	524445	361.32	ppb		93
72)	1,2,4-trichlorobenzene	20.94	180	741462	80.92	ppb		98
73)	hexachlorobutadiene	21.29	225	531112	86.84	ppb		98
74)	naphthalene	21.37	128	948152	90.04	ppb		100
75)	trans-1,4-Dichloro-2-buten	15.60	89	427179	378.01	ppb		94
76)	1,2,3-trichlorobenzene	21.82	180	572152	81.49	ppb		99

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719338.D Vial: 38
Acq On : 20 Jul 2005 1:57 am Operator: JTF
Sample : g204-469-2c msd Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 2:22 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

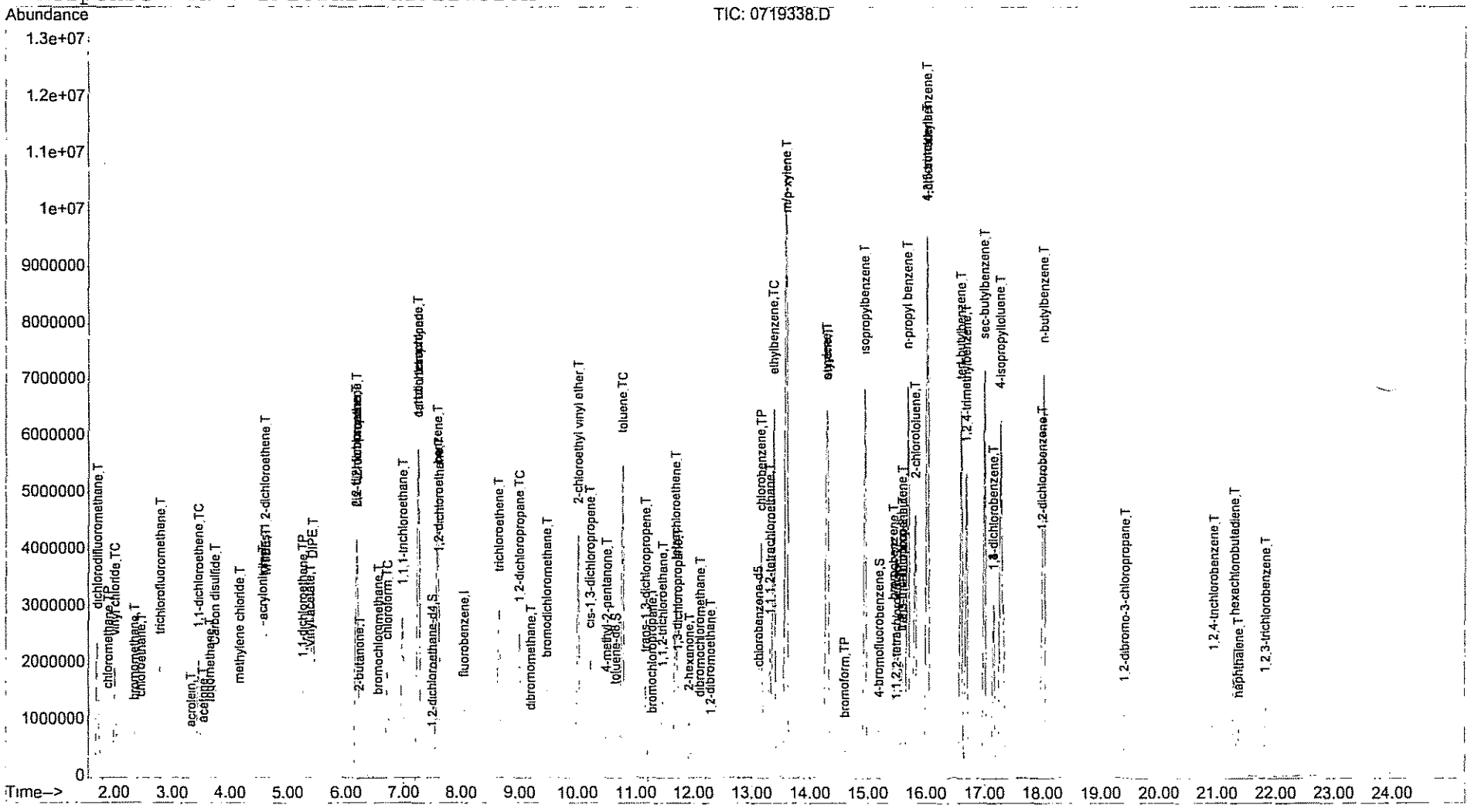
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	4.63	73	2457184	77.32 ppb	97
78) DIPE	5.43	45	5398152	87.35 ppb	95

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\3071905\0719338.D Vial: 38
Acq On : 20 Jul 2005 1:57 am Operator: JTF
Sample : g204-469-2c msd Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 2:22 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3071905\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration



5035 Calibration Raw Data

Response Factor Report MSD3

Method : C:\HPCHEM\1\DATA\3071405\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration

Calibration Files
5 =0714311.D 4 =0714310.D 3 =0714309.D
2 =0714308.D 1 =0714306.D 6 =0714307.D

		Compound	5	4	3	2	1	6	Avg	%RSD
1)	I	fluorobenzene	----------ISTD----------							
2)	T	dichlorodifluoromet	1.020	1.035	1.012	0.869	0.834	0.952	0.954	8.89
3)	TP	chloromethane	0.832	0.826	0.849	0.747	0.719	0.805	0.796	6.53
4)	TC	vinyl chloride	1.013	1.006	0.997	0.863	0.776	0.919	0.929	10.26
5)	T	bromomethane	0.261	0.260	0.315	0.357	0.399	0.410	0.333	19.78
6)	T	chloroethane		0.277	0.297	0.433	0.387	0.471	0.373	22.59
7)	T	trichlorofluorometh	0.956	1.054	1.053	0.903	0.781	0.962	0.951	10.76
8)	T	acrolein	0.023	0.025	0.024	0.021	0.020	0.024	0.023	9.48
9)	TC	1,1-dichloroethene	0.492	0.510	0.495	0.547	0.556	0.564	0.527	6.04
10)	T	acetone	0.257	0.311	0.304	0.339	0.370	0.409	0.332	16.07
11)	T	methylene chloride	0.383	0.398	0.387	0.411	0.403	0.420	0.400	3.52
12)	T	trans-1,2-dichloroe	0.530	0.549	0.542	0.573	0.595	0.545	0.556	4.29
13)	T	acrylonitrile	0.078	0.085	0.078	0.067	0.051	0.075	0.072	16.61
14)	TP	1,1-dichloroethane	1.067	1.103	1.082	1.143	1.090	1.116	1.100	2.42
15)	T	2,2-dichloropropane	0.961	0.996	1.006	1.064	1.070	1.083	1.030	4.77
16)	T	cis-1,2-dichloroeth	0.492	0.510	0.507	0.553	0.559	0.567	0.531	6.02
17)	T	2-butanone	0.335	0.394	0.355	0.407	0.395	0.434	0.387	9.31
18)	T	bromochloromethane	0.129	0.136	0.133	0.136	0.131	0.131	0.133	2.15
19)	TC	chloroform	0.916	0.945	0.913	0.974	0.940	0.941	0.938	2.38
20)	T	1,1,1-trichloroetha	0.960	0.990	0.962	1.003	0.990	1.001	0.984	1.93
21)	T	carbon tetrachlorid	0.805	0.825	0.784	0.819	0.749	0.789	0.795	3.51
22)	T	1,1-dichloropropene	0.924	0.952	0.920	0.984	1.003	0.969	0.959	3.47
23)	S	1,2-dichloroethane-	0.237	0.253	0.239	0.241	0.242	0.262	0.246	3.96
24)	T	benzene	2.208	2.383	2.347	2.514	2.837	2.598	2.481	8.89
25)	T	1,2-dichloroethane	0.516	0.549	0.533	0.578	0.539	0.581	0.549	4.66
26)	T	trichloroethene	0.600	0.612	0.598	0.629	0.615	0.642	0.616	2.74
27)	TC	1,2-dichloropropane	0.506	0.523	0.514	0.535	0.551	0.539	0.528	3.17
28)	T	dibromomethane	0.167	0.181	0.173	0.185	0.164	0.192	0.177	6.07
29)	T	bromodichloromethan	0.545	0.565	0.558	0.581	0.505	0.573	0.554	4.94
30)	T	2-chloroethyl vinyl	0.257	0.267	0.240	0.201	0.148	0.213	0.221	19.75
31)	T	cis-1,3-dichloropro	0.634	0.663	0.637	0.678	0.630	0.684	0.655	3.61
32)	T	4-methyl-2-pentanon	0.550	0.617	0.570	0.594	0.532	0.616	0.580	6.09
33)	S	toluene-d8	0.696	0.708	0.707	0.716	0.713	0.722	0.711	1.26
34)	TC	toluene	1.331	1.358	1.305	1.403	1.390	1.393	1.363	2.86
35)	T	Iodomethane	0.568	0.602	0.617	0.575	0.442	0.550	0.559	11.12
36)	T	trans-1,3-dichlorop	0.492	0.509	0.479	0.537	0.473	0.504	0.499	4.67
37)	T	Vinyl acetate	0.039	0.048	0.041	0.047	0.039	0.046	0.043	9.60
38)	T	Carbon disulfide	1.910	1.946	1.914	1.982	1.966	1.941	1.943	1.46
39)	I	bromochloropropane	----------ISTD----------							
40)	T	1,1,2-trichloroetha	1.897	1.962	1.932	2.114	1.902	1.995	1.967	4.11
41)	T	tetrachloroethene	4.335	4.341	4.360	4.839	4.606	4.576	4.510	4.48
42)	T	1,3-dichloropropane	4.209	4.408	4.381	4.620	4.355	4.588	4.427	3.48

(#) = Out of Range

Response Factor Report MSD3

Method : C:\HPCHEM\1\DATA\3071405\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration

Calibration Files
5 =0714311.D 4 =0714310.D 3 =0714309.D
2 =0714308.D 1 =0714306.D 6 =0714307.D

		Compound	5	4	3	2	1	6	Avg		%RSD
43)	T	2-hexanone	3.846	4.295	4.277	4.749	4.805	4.730	4.450		8.48
44)	T	dibromochloromethan	2.037	2.175	2.181	2.307	2.079	2.247	2.171		4.65
45)	T	1,2-dibromoethane	1.915	2.000	1.938	2.159	1.947	2.010	1.995		4.44
46)	TP	chlorobenzene	0.994	1.011	1.026	1.134	1.101	1.088	1.059	E1	5.3
47)	T	1,1,1,2-tetrachloro	2.563	2.645	2.668	2.920	2.738	2.793	2.721		4.61
48)	TP	bromoform	1.161	1.240	1.141	1.223	1.020	1.152	1.156		6.73
49)	S	4-bromofluorobenzen	2.584	2.742	2.682	2.884	2.792	2.782	2.744		3.75
50)	T	bromobenzene	2.808	2.937	2.906	3.259	3.226	2.976	3.018		6.04
51)	TP	1,1,2,2-tetrachloro	2.071	2.282	2.181	2.359	1.939	2.400	2.205		8.03
52)	T	1,2,3-trichloroprop	3.045	3.066	2.866	3.228	2.545	2.796	2.924		8.24
53)		chlorobenzene-d5	----------ISTD----------								
54)	TC	ethylbenzene	3.608	4.442	4.290	4.438	4.501	4.478	4.293		8.00
55)	T	m/p-xylene	1.431	1.442	1.429	1.510	1.478	1.511	1.467		2.61
56)	T	styrene	1.755	1.786	1.715	1.809	1.741	1.829	1.773		2.42
57)	T	o-xylene	1.264	1.286	1.258	1.328	1.289	1.307	1.289		2.05
58)	T	isopropylbenzene	3.430	4.137	3.927	4.104	4.097	4.114	3.968		6.91
59)	T	n-propyl benzene	3.688	5.193	4.926	5.356	5.304	5.224	4.949		12.83
60)	T	2-chlorotoluene	0.593	0.625	0.623	0.688	0.667	0.681	0.646		5.84
61)	T	4-chlorotoluene	0.555	0.593	0.580	0.671	0.646	0.665	0.618		7.83
62)	T	1,3,5-trimethylbenz	2.822	3.005	2.903	3.153	3.048	3.069	3.000		3.99
63)	T	tert-butylbenzene	2.499	2.568	2.384	2.626	2.492	2.516	2.514		3.24
64)	T	1,2,4-trimethylbenz	2.681	2.802	2.617	2.973	2.836	2.853	2.794		4.56
65)	T	sec-butylbenzene	3.474	4.565	4.214	4.640	4.390	4.523	4.301		10.05
66)	T	1,3-dichlorobenzene	0.995	1.055	1.010	1.146	1.039	1.075	1.053		5.14
67)	T	4-isopropyltoluene	2.809	3.101	2.861	3.273	3.102	3.120	3.044		5.75
68)	T	1,4-dichlorobenzene	0.995	1.055	1.010	1.146	1.039	1.075	1.053		5.14
69)	T	1,2-dichlorobenzene	0.757	0.817	0.776	0.889	0.833	0.871	0.824		6.28
70)	T	n-butylbenzene	3.000	3.468	3.161	3.610	3.632	3.487	3.393		7.54
71)	T	1,2-dibromo-3-chlor	0.067	0.075	0.066	0.080	0.073	0.078	0.073		7.69
72)	T	1,2,4-trichlorobenz	0.416	0.454	0.387	0.513	0.499	0.500	0.462		11.18
73)	T	hexachlorobutadiene	0.306	0.329	0.258	0.363	0.155	0.342	0.292		26.08
74)	T	naphthalene	0.525	0.550	0.462	0.626	0.714	0.644	0.587		15.55
75)	T	trans-1,4-Dichloro-	0.059	0.063	0.057	0.057	0.051	0.055	0.057		7.16
76)	T	1,2,3-trichlorobenz	0.323	0.347	0.287	0.398	0.384	0.383	0.354		12.11
77)	T	MTBE	1.595	1.657	1.587	1.626	1.502	1.640	1.601		3.45
78)	T	DIPE	3.006	3.018	3.153	3.245	3.091	3.168	3.114		2.98

(#) = Out of Range

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714306.D Vial: 6
Acq On : 14 Jul 2005 2:49 pm Operator: JTF
Sample : vstd5 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) fluorobenzene	8.05	96	2331565	50.00 ppb	-0.01
39) bromochloropropane	11.28	79	247893	50.00 ppb	-0.02
53) chlorobenzene-d5	13.11	117	1409671	50.00 ppb	-0.01
System Monitoring Compounds					
23) 1,2-dichloroethane-d4	7.49	65	563739	49.21 ppb	-0.02
Spiked Amount 50.000			Recovery	= 98.42%	
33) toluene-d8	10.66	98	1662955	50.19 ppb	-0.01
Spiked Amount 50.000			Recovery	= 100.38%	
49) 4-bromofluorobenzene	15.19	95	692098	50.87 ppb	-0.01
Spiked Amount 50.000			Recovery	= 101.74%	
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.70	85	194407	4.37 ppb #	88
3) chloromethane	1.90	50	167569	4.51 ppb	98
4) vinyl chloride	2.01	62	180944	4.18 ppb	97
5) bromomethane	2.37	94	93058	1.24 ppb	96
6) chloroethane	2.50	64	90142	Below Cal	98
7) trichlorofluoromethane	2.80	101	182036	4.10 ppb	94
8) acrolein	3.32	56	46210	43.66 ppb #	76
9) 1,1-dichloroethene	3.45	96	129544	5.27 ppb	91
10) acetone	3.54	43	86216	Below Cal #	88
11) methylene chloride	4.16	84	94009	5.04 ppb	89
12) trans-1,2-dichloroethene	4.60	96	138700	5.35 ppb #	73
13) acrylonitrile	4.56	53	118906	37.22 ppb	95
14) 1,1-dichloroethane	5.26	63	254128	4.95 ppb #	97
15) 2,2-dichloropropane	6.18	77	249439	5.19 ppb	99
16) cis-1,2-dichloroethene	6.19	96	130272	5.26 ppb	98
17) 2-butanone	6.25	43	92092	5.11 ppb #	86
18) bromochloromethane	6.58	128	30634	4.95 ppb #	77
19) chloroform	6.72	83	219073	5.01 ppb	98
20) 1,1,1-trichloroethane	6.98	97	230909	5.03 ppb	91
21) carbon tetrachloride	7.25	117	174520	4.71 ppb	89
22) 1,1-dichloropropene	7.26	75	233905	5.23 ppb	99
24) benzene	7.58	78	661354	5.72 ppb	96
25) 1,2-dichloroethane	7.62	62	125627	4.90 ppb	99
26) trichloroethene	8.65	95	143411	4.99 ppb	98
27) 1,2-dichloropropane	9.00	63	128364	5.22 ppb	99
28) dibromomethane	9.19	93	38253	4.63 ppb #	84
29) bromodichloromethane	9.48	83	117662	4.55 ppb	97
30) 2-chloroethyl vinyl ether	10.01	106	34513	5.35 ppb	86
31) cis-1,3-dichloropropene	10.22	75	146994	4.82 ppb	93

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714306.D Vial: 6
Acq On : 14 Jul 2005 2:49 pm Operator: JTF
Sample : vstd5 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.52	43	124020	4.59	ppb	#	91
34)	toluene	10.77	92	324108	5.10	ppb		90
35)	Iodomethane	3.65	142	103057	3.95	ppb		93
36)	trans-1,3-dichloropropene	11.17	75	110177	4.74	ppb	#	88
37)	Vinyl acetate	5.39	86	22510	11.15	ppb		78
38)	Carbon disulfide	3.75	76	458333	5.06	ppb	#	94
40)	1,1,2-trichloroethane	11.47	83	47150	4.83	ppb		87
41)	tetrachloroethene	11.69	166	114172	5.11	ppb		96
42)	1,3-dichloropropane	11.74	76	107953	4.92	ppb		97
43)	2-hexanone	11.93	43	119102	5.40	ppb		93
44)	dibromochloromethane	12.12	129	51533	4.79	ppb		83
45)	1,2-dibromoethane	12.29	107	48254	4.88	ppb	#	91
46)	chlorobenzene	13.16	112	273025	5.20	ppb		94
47)	1,1,1,2-tetrachloroethane	13.32	131	67861	5.03	ppb		97
48)	bromoform	14.60	173	25285	4.41	ppb		98
50)	bromobenzene	15.44	156	79958	5.34	ppb		94
51)	1,1,2,2-tetrachloroethane	15.50	83	48059	4.40	ppb	#	78
52)	1,2,3-trichloropropane	15.56	75	39857	2.75	ppb		98
54)	ethylbenzene	13.38	91	634478	5.24	ppb		100
55)	m/p-xylene	13.59	106	416814	10.08	ppb		98
56)	styrene	14.31	104	245469	4.91	ppb		100
57)	o-xylene	14.28	106	181735	5.00	ppb		97
58)	isopropylbenzene	14.95	105	577610	5.16	ppb		98
59)	n-propyl benzene	15.69	91	747643	5.36	ppb		100
60)	2-chlorotoluene	15.81	126	92786	5.09	ppb		99
61)	4-chlorotoluene	16.01	126	91007	5.22	ppb		97
62)	1,3,5-trimethylbenzene	16.02	105	429629	5.08	ppb		98
63)	tert-butylbenzene	16.58	119	351290	4.96	ppb		97
64)	1,2,4-trimethylbenzene	16.68	105	399816	5.08	ppb		99
65)	sec-butylbenzene	16.99	105	618806	5.10	ppb		99
66)	1,3-dichlorobenzene	17.15	146	146493	4.93	ppb		95
67)	4-isopropyltoluene	17.27	119	437243	5.09	ppb		96
68)	1,4-dichlorobenzene	17.15	146	146493	4.93	ppb		95
69)	1,2-dichlorobenzene	17.99	146	117492	5.06	ppb		96
70)	n-butylbenzene	18.01	91	512000	5.35	ppb		98
71)	1,2-dibromo-3-chloropropan	19.41	75	57512	27.89	ppb	#	75
72)	1,2,4-trichlorobenzene	20.95	180	70413	5.41	ppb		82
73)	hexachlorobutadiene	21.29	225	21876	2.85	ppb		96
74)	naphthalene	21.37	128	100602	5.35	ppb		100
75)	trans-1,4-Dichloro-2-buten	15.60	89	35838	22.33	ppb		94
76)	1,2,3-trichlorobenzene	21.83	180	54079	5.42	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714306.D Vial: 6
Acq On : 14 Jul 2005 2:49 pm Operator: JTF
Sample : vstd5 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 2005 Quant Results File: 8260SSC.RES

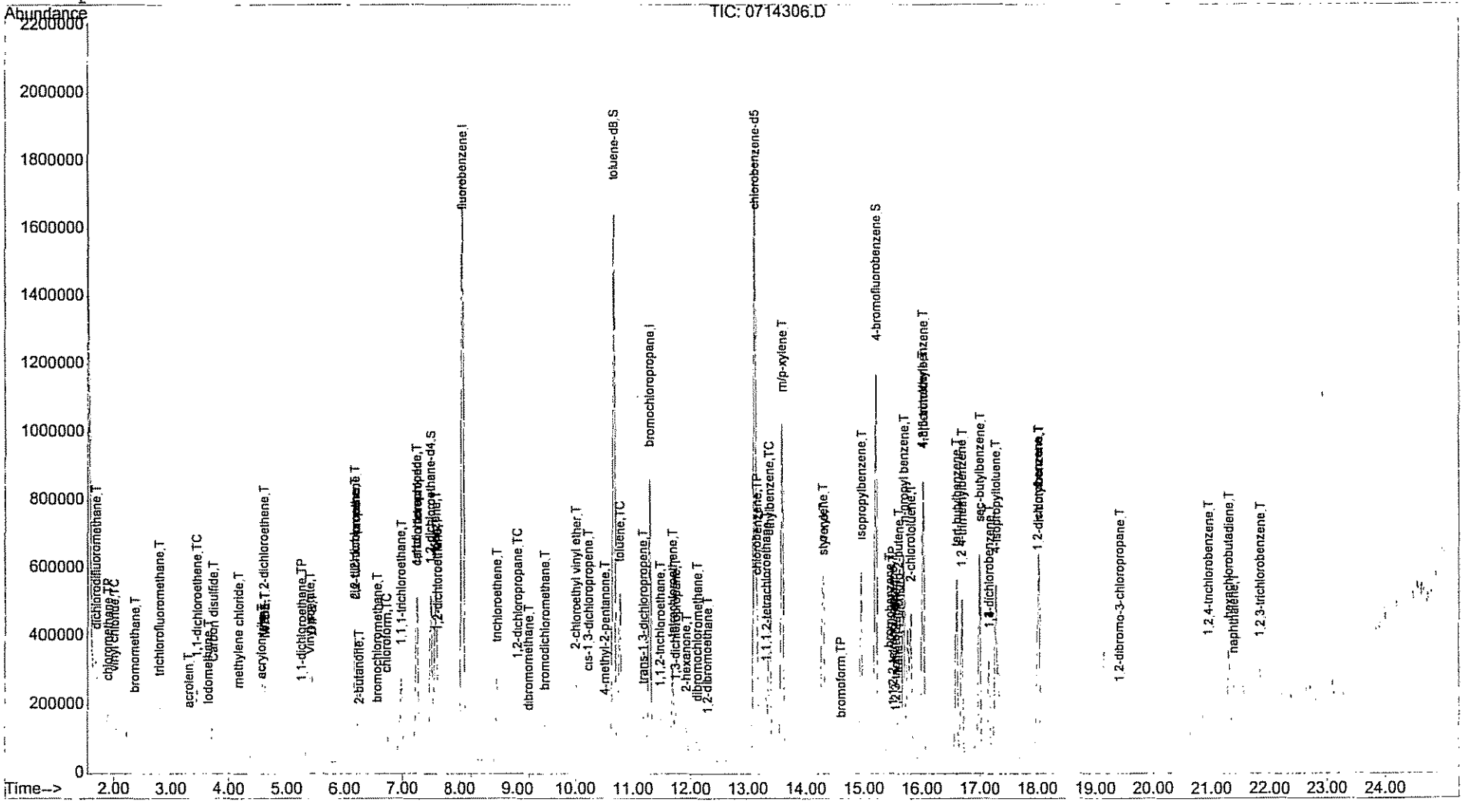
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
77) MTBE	4.63	73	211729	4.69 ppb		97
78) DIPE	5.43	45	435770	4.96 ppb	#	94

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

Data File : C:\HPCHEM\1\DATA\3071405\0714306.D Vial: 6
Acq On : 14 Jul 2005 2:49 pm Operator: JTF
Sample : vstd5 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3071405\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714307.D Vial: 7
Acq On : 14 Jul 2005 3:20 pm Operator: JTF
Sample : vstd10 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.05	96	2377359	50.00	ppb	0.00
39) bromochloropropane	11.28	79	265245	50.00	ppb	-0.02
53) chlorobenzene-d5	13.11	117	1450915	50.00	ppb	-0.02
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.50	65	623499	53.38	ppb	-0.02
Spiked Amount 50.000			Recovery	=	106.76%	
33) toluene-d8	10.66	98	1716857	50.82	ppb	0.00
Spiked Amount 50.000			Recovery	=	101.64%	
49) 4-bromofluorobenzene	15.20	95	737864	50.68	ppb	0.00
Spiked Amount 50.000			Recovery	=	101.36%	
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.70	85	452538	9.98	ppb	92
3) chloromethane	1.90	50	382890	10.11	ppb	99
4) vinyl chloride	2.02	62	436910	9.89	ppb	100
5) bromomethane	2.37	94	194763	9.58	ppb	100
6) chloroethane	2.49	64	223858	10.29	ppb	89
7) trichlorofluoromethane	2.81	101	457428	10.11	ppb	100
8) acrolein	3.33	56	114097	105.73	ppb	95
9) 1,1-dichloroethene	3.46	96	268011	10.69	ppb	89
10) acetone	3.54	43	194341	8.26	ppb	93
11) methylene chloride	4.17	84	199778	10.50	ppb	93
12) trans-1,2-dichloroethene	4.60	96	259199	9.81	ppb	98
13) acrylonitrile	4.56	53	355727	99.34	ppb	100
14) 1,1-dichloroethane	5.26	63	530412	10.14	ppb	100
15) 2,2-dichloropropane	6.19	77	515000	10.51	ppb	99
16) cis-1,2-dichloroethene	6.19	96	269807	10.68	ppb	95
17) 2-butanone	6.26	43	206407	11.23	ppb	90
18) bromochloromethane	6.57	128	62259	9.86	ppb	83
19) chloroform	6.72	83	447358	10.03	ppb	89
20) 1,1,1-trichloroethane	6.99	97	475835	10.17	ppb	97
21) carbon tetrachloride	7.25	117	375170	9.92	ppb	99
22) 1,1-dichloropropene	7.26	75	460926	10.11	ppb	97
24) benzene	7.59	78	1235499	10.47	ppb	99
25) 1,2-dichloroethane	7.63	62	276095	10.57	ppb	98
26) trichloroethene	8.65	95	305108	10.42	ppb	96
27) 1,2-dichloropropane	9.01	63	256512	10.22	ppb	98
28) dibromomethane	9.19	93	91250	10.83	ppb	88
29) bromodichloromethane	9.48	83	272575	10.34	ppb	97
30) 2-chloroethyl vinyl ether	10.01	106	101290	10.66	ppb	96
31) cis-1,3-dichloropropene	10.23	75	325449	10.46	ppb	97

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714307.D Vial: 7
Acq On : 14 Jul 2005 3:20 pm Operator: JTF
Sample : vstd10 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32) 4-methyl-2-pentanone	10.52	43	293086	10.63 ppb	#	91
34) toluene	10.77	92	662435	10.22 ppb		100
35) Iodomethane	3.65	142	261412	9.84 ppb		93
36) trans-1,3-dichloropropene	11.17	75	239832	10.11 ppb		97
37) Vinyl acetate	5.39	86	55266	26.85 ppb		88
38) Carbon disulfide	3.74	76	922957	9.99 ppb		98
40) 1,1,2-trichloroethane	11.47	83	105853	10.14 ppb		92
41) tetrachloroethene	11.69	166	242760	10.15 ppb		96
42) 1,3-dichloropropane	11.74	76	243413	10.37 ppb		92
43) 2-hexanone	11.94	43	250921	10.63 ppb		99
44) dibromochloromethane	12.12	129	119218	10.35 ppb		98
45) 1,2-dibromoethane	12.29	107	106620	10.08 ppb		99
46) chlorobenzene	13.16	112	577414	10.28 ppb		98
47) 1,1,1,2-tetrachloroethane	13.32	131	148152	10.26 ppb		95
48) bromoform	14.61	173	61128	9.97 ppb		95
50) bromobenzene	15.44	156	157866	9.86 ppb		93
51) 1,1,2,2-tetrachloroethane	15.50	83	127295	10.88 ppb		87
52) 1,2,3-trichloropropane	15.60	75	148349	9.56 ppb	#	87
54) ethylbenzene	13.37	91	1299533	10.43 ppb		100
55) m/p-xylene	13.59	106	876683	20.60 ppb		98
56) styrene	14.31	104	530714	10.32 ppb		100
57) o-xylene	14.28	106	379291	10.14 ppb		100
58) isopropylbenzene	14.94	105	1193809	10.37 ppb		100
59) n-propyl benzene	15.68	91	1515996	10.56 ppb		99
60) 2-chlorotoluene	15.81	126	192529	10.27 ppb		94
61) 4-chlorotoluene	16.02	126	192932	10.75 ppb		92
62) 1,3,5-trimethylbenzene	16.02	105	890620	10.23 ppb		100
63) tert-butylbenzene	16.59	119	730228	10.01 ppb		99
64) 1,2,4-trimethylbenzene	16.69	105	827793	10.21 ppb		99
65) sec-butylbenzene	16.99	105	1312536	10.52 ppb		99
66) 1,3-dichlorobenzene	17.15	146	321843	10.53 ppb		98
67) 4-isopropyltoluene	17.27	119	905320	10.25 ppb		97
68) 1,4-dichlorobenzene	17.15	146	321843	10.53 ppb		98
69) 1,2-dichlorobenzene	17.99	146	252803	10.57 ppb		96
70) n-butylbenzene	18.02	91	1011766	10.28 ppb		99
71) 1,2-dibromo-3-chloropropan	19.42	75	106832	50.34 ppb		92
72) 1,2,4-trichlorobenzene	20.95	180	145139	10.83 ppb		95
73) hexachlorobutadiene	21.29	225	99212	11.39 ppb		94
74) naphthalene	21.37	128	186858	10.85 ppb		100
75) trans-1,4-Dichloro-2-buten	15.60	89	80288	48.60 ppb	#	71
76) 1,2,3-trichlorobenzene	21.82	180	111276	10.84 ppb		92

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714307.D Vial: 7
Acq On : 14 Jul 2005 3:20 pm Operator: JTF
Sample : vstd10 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 2005 Quant Results File: 8260SSC.RES

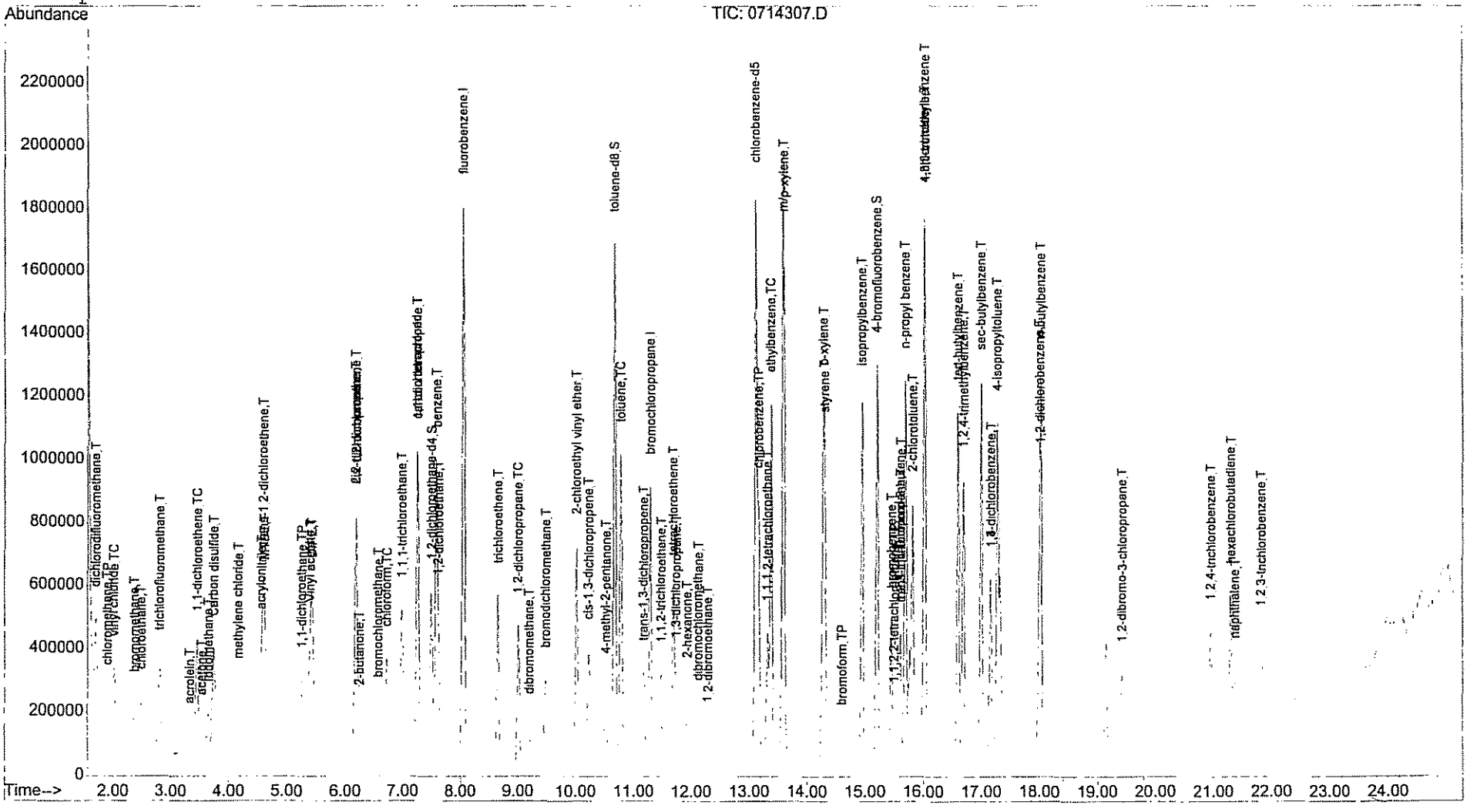
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	4.63	73	475774	10.24 ppb	92
78) DIPE	5.43	45	919394	10.18 ppb	94

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

Data File : C:\HPCHEM\1\DATA\3071405\0714307.D Vial: 7
Acq On : 14 Jul 2005 3:20 pm Operator: JTF
Sample : vstd10 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3071405\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714308.D Vial: 8
Acq On : 14 Jul 2005 3:51 pm Operator: JTF
Sample : vstd20 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorobenzene	8.06	96	2334672	50.00	ppb		0.00
39) bromochloropropane	11.28	79	251142	50.00	ppb		-0.02
53) chlorobenzene-d5	13.12	117	1441342	50.00	ppb		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane-d4	7.51	65	562796	49.07	ppb		0.00
Spiked Amount 50.000			Recovery	=	98.14%		
33) toluene-d8	10.66	98	1672022	50.40	ppb		0.00
Spiked Amount 50.000			Recovery	=	100.80%		
49) 4-bromofluorobenzene	15.21	95	724327	52.55	ppb		0.00
Spiked Amount 50.000			Recovery	=	105.10%		
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.70	85	811668	18.23	ppb		100
3) chloromethane	1.90	50	697261	18.75	ppb		97
4) vinyl chloride	2.02	62	805652	18.58	ppb		97
5) bromomethane	2.37	94	332995	21.63	ppb		92
6) chloroethane	2.49	64	409848	25.69	ppb		97
7) trichlorofluoromethane	2.80	101	843381	18.99	ppb		96
8) acrolein	3.33	56	191677	180.87	ppb		98
9) 1,1-dichloroethene	3.46	96	510466	20.74	ppb		89
10) acetone	3.54	43	316576	18.78	ppb		99
11) methylene chloride	4.18	84	383364	20.51	ppb		95
12) trans-1,2-dichloroethene	4.60	96	534896	20.62	ppb		92
13) acrylonitrile	4.56	53	623720	173.35	ppb		99
14) 1,1-dichloroethane	5.26	63	1067135	20.77	ppb		98
15) 2,2-dichloropropane	6.19	77	993915	20.66	ppb		99
16) cis-1,2-dichloroethene	6.20	96	516421	20.82	ppb		97
17) 2-butanone	6.26	43	379948	21.05	ppb		97
18) bromochloromethane	6.57	128	127204	20.52	ppb		88
19) chloroform	6.73	83	909747	20.77	ppb		95
20) 1,1,1-trichloroethane	6.99	97	937047	20.39	ppb		96
21) carbon tetrachloride	7.25	117	765236	20.61	ppb		99
22) 1,1-dichloropropene	7.26	75	919323	20.53	ppb		99
24) benzene	7.59	78	2347625	20.26	ppb		98
25) 1,2-dichloroethane	7.63	62	540050	21.05	ppb		98
26) trichloroethene	8.65	95	587554	20.43	ppb		93
27) 1,2-dichloropropane	9.01	63	499211	20.25	ppb	#	98
28) dibromomethane	9.19	93	172866	20.90	ppb		95
29) bromodichloromethane	9.48	83	542553	20.96	ppb	#	94
30) 2-chloroethyl vinyl ether	10.02	106	187891	17.89	ppb		97
31) cis-1,3-dichloropropene	10.23	75	632738	20.70	ppb		96

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714308.D Vial: 8
Acq On : 14 Jul 2005 3:51 pm Operator: JTF
Sample : vstd20 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	4-methyl-2-pentanone	10.52	43	554761	20.49	ppb		99
34)	toluene	10.77	92	1310102	20.58	ppb		98
35)	Iodomethane	3.65	142	536747	20.57	ppb		96
36)	trans-1,3-dichloropropene	11.18	75	501276	21.52	ppb		100
37)	Vinyl acetate	5.39	86	109000	53.92	ppb		90
38)	Carbon disulfide	3.74	76	1850880	20.40	ppb	#	97
40)	1,1,2-trichloroethane	11.47	83	212348	21.49	ppb		97
41)	tetrachloroethene	11.70	166	486151	21.46	ppb		95
42)	1,3-dichloropropane	11.75	76	464141	20.87	ppb		100
43)	2-hexanone	11.94	43	477052	21.34	ppb		95
44)	dibromochloromethane	12.13	129	231772	21.25	ppb		98
45)	1,2-dibromoethane	12.30	107	216895	21.65	ppb	#	94
46)	chlorobenzene	13.17	112	1138970	21.41	ppb		96
47)	1,1,1,2-tetrachloroethane	13.33	131	293369	21.46	ppb		98
48)	bromoform	14.61	173	122860	21.16	ppb		95
50)	bromobenzene	15.44	156	327345	21.59	ppb		91
51)	1,1,2,2-tetrachloroethane	15.50	83	237022	21.40	ppb		97
52)	1,2,3-trichloropropane	15.60	75	324233	22.07	ppb		98
54)	ethylbenzene	13.38	91	2558539	20.68	ppb		99
55)	m/p-xylene	13.59	106	1741410	41.19	ppb		99
56)	styrene	14.31	104	1042895	20.41	ppb		100
57)	o-xylene	14.28	106	765915	20.62	ppb		100
58)	isopropylbenzene	14.95	105	2366089	20.68	ppb		100
59)	n-propyl benzene	15.69	91	3088182	21.65	ppb		99
60)	2-chlorotoluene	15.81	126	390298	20.95	ppb		98
61)	4-chlorotoluene	16.02	126	386655	21.70	ppb		89
62)	1,3,5-trimethylbenzene	16.03	105	1817984	21.02	ppb		100
63)	tert-butylbenzene	16.60	119	1506621	20.79	ppb		99
64)	1,2,4-trimethylbenzene	16.69	105	1713985	21.28	ppb		100
65)	sec-butylbenzene	16.99	105	2675200	21.58	ppb		100
66)	1,3-dichlorobenzene	17.16	146	660983	21.77	ppb		96
67)	4-isopropyltoluene	17.28	119	1886919	21.50	ppb		98
68)	1,4-dichlorobenzene	17.16	146	660983	21.77	ppb		96
69)	1,2-dichlorobenzene	17.99	146	512494	21.58	ppb		99
70)	n-butylbenzene	18.02	91	2081579	21.28	ppb		99
71)	1,2-dibromo-3-chloropropan	19.42	75	234286	111.14	ppb		95
72)	1,2,4-trichlorobenzene	20.95	180	295981	22.24	ppb		96
73)	hexachlorobutadiene	21.29	225	209405	23.82	ppb		95
74)	naphthalene	21.38	128	361142	22.52	ppb		100
75)	trans-1,4-Dichloro-2-buten	15.60	89	163849	99.83	ppb		94
76)	1,2,3-trichlorobenzene	21.83	180	229665	22.52	ppb		94

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714308.D Vial: 8
Acq On : 14 Jul 2005 3:51 pm Operator: JTF
Sample : vstd20 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 2005 Quant Results File: 8260SSC.RES

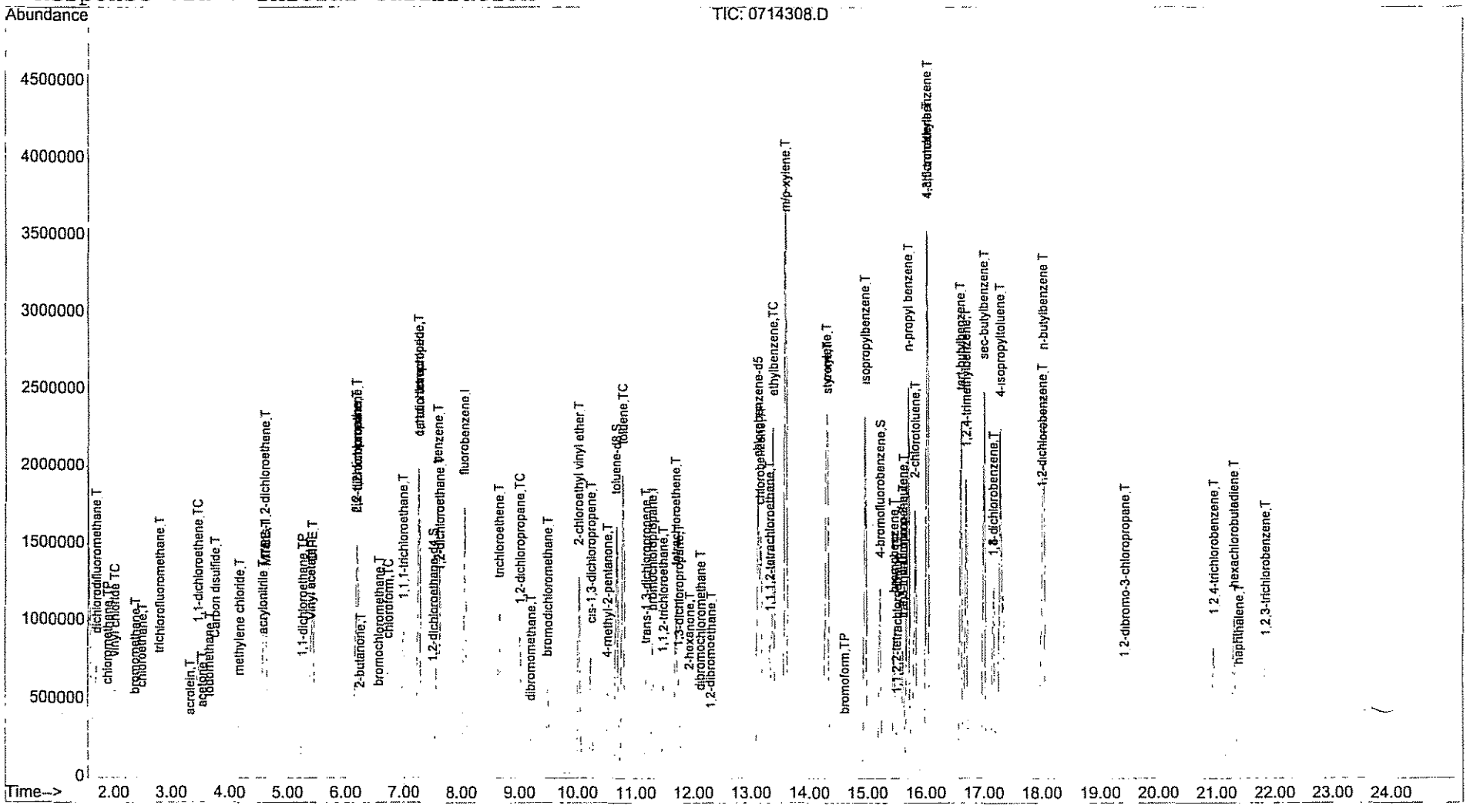
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	4.63	73	937607	20.31 ppb	98
78) DIPE	5.44	45	1870706	20.84 ppb	94

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

Data File : C:\HPCHEM\1\DATA\3071405\0714308.D Vial: 8
Acq On : 14 Jul 2005 3:51 pm Operator: JTF
Sample : vstd20 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3071405\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714309.D Vial: 9
Acq On : 14 Jul 2005 4:23 pm Operator: JTF
Sample : vstd50 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.06	96	2258627	50.00	ppb	0.00
39) bromochloropropane	11.30	79	247611	50.00	ppb	0.00
53) chlorobenzene-d5	13.12	117	1342270	50.00	ppb	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.51	65	539695	48.64	ppb	0.00
Spiked Amount 50.000			Recovery = 97.28%			
33) toluene-d8	10.67	98	1596954	49.76	ppb	0.00
Spiked Amount 50.000			Recovery = 99.52%			
49) 4-bromofluorobenzene	15.20	95	664174	48.87	ppb	0.00
Spiked Amount 50.000			Recovery = 97.74%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.71	85	2286404	53.07	ppb	100
3) chloromethane	1.91	50	1917193	53.30	ppb	100
4) vinyl chloride	2.01	62	2251046	53.65	ppb	100
5) bromomethane	2.36	94	711423	55.85	ppb	100
6) chloroethane	2.48	64	1093900	84.12	ppb	99
7) trichlorofluoromethane	2.79	101	2377545	55.32	ppb	100
8) acrolein	3.33	56	542159	528.83	ppb	100
9) 1,1-dichloroethene	3.46	96	1118539	46.97	ppb	100
10) acetone	3.54	43	687370	51.72	ppb	100
11) methylene chloride	4.17	84	874984	48.39	ppb	100
12) trans-1,2-dichloroethene	4.61	96	1223624	48.75	ppb	100
13) acrylonitrile	4.57	53	1766990	497.79	ppb	100
14) 1,1-dichloroethane	5.27	63	2444100	49.18	ppb	100
15) 2,2-dichloropropane	6.18	77	2271964	48.83	ppb	100
16) cis-1,2-dichloroethene	6.20	96	1144303	47.68	ppb	100
17) 2-butanone	6.26	43	802560	45.95	ppb	100
18) bromochloromethane	6.58	128	300334	50.08	ppb	100
19) chloroform	6.74	83	2062526	48.67	ppb	100
20) 1,1,1-trichloroethane	6.99	97	2172048	48.85	ppb	100
21) carbon tetrachloride	7.26	117	1770144	49.29	ppb	100
22) 1,1-dichloropropene	7.27	75	2077480	47.96	ppb	100
24) benzene	7.59	78	5301575	47.30	ppb	100
25) 1,2-dichloroethane	7.63	62	1204235	48.52	ppb	100
26) trichloroethene	8.66	95	1350782	48.54	ppb	100
27) 1,2-dichloropropane	9.01	63	1161122	48.70	ppb	100
28) dibromomethane	9.20	93	391210	48.89	ppb	100
29) bromodichloromethane	9.49	83	1260557	50.33	ppb	100
30) 2-chloroethyl vinyl ether	10.02	106	541113	48.25	ppb	100
31) cis-1,3-dichloropropene	10.24	75	1438921	48.67	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714309.D Vial: 9
Acq On : 14 Jul 2005 4:23 pm Operator: JTF
Sample : vstd50 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32)	4-methyl-2-pentanone	10.52	43	1288472	49.19	ppb	100
34)	toluene	10.78	92	2948389	47.87	ppb	100
35)	Iodomethane	3.66	142	1393112	55.18	ppb	100
36)	trans-1,3-dichloropropene	11.18	75	1081521	48.00	ppb	100
37)	Vinyl acetate	5.40	86	234229	119.78	ppb	100
38)	Carbon disulfide	3.75	76	4322039	49.24	ppb	100
40)	1,1,2-trichloroethane	11.48	83	478277	49.10	ppb	100
41)	tetrachloroethene	11.70	166	1079530	48.34	ppb	100
42)	1,3-dichloropropane	11.75	76	1084682	49.48	ppb	100
43)	2-hexanone	11.94	43	1058961	48.05	ppb	100
44)	dibromochloromethane	12.13	129	540141	50.24	ppb	100
45)	1,2-dibromoethane	12.31	107	479754	48.57	ppb	100
46)	chlorobenzene	13.17	112	2540729	48.44	ppb	100
47)	1,1,1,2-tetrachloroethane	13.33	131	660632	49.02	ppb	100
48)	bromoform	14.61	173	282490	49.34	ppb	100
50)	bromobenzene	15.45	156	719496	48.13	ppb	100
51)	1,1,2,2-tetrachloroethane	15.51	83	540134	49.45	ppb	100
52)	1,2,3-trichloropropane	15.61	75	709666	49.00	ppb	100
54)	ethylbenzene	13.38	91	5758281	49.97	ppb	100
55)	m/p-xylene	13.60	106	3834970	97.40	ppb	100
56)	styrene	14.32	104	2302445	48.38	ppb	100
57)	o-xylene	14.29	106	1688429	48.81	ppb	100
58)	isopropylbenzene	14.96	105	5271079	49.48	ppb	100
59)	n-propyl benzene	15.70	91	6612025	49.77	ppb	100
60)	2-chlorotoluene	15.81	126	835831	48.19	ppb	100
61)	4-chlorotoluene	16.02	126	778192	46.89	ppb	100
62)	1,3,5-trimethylbenzene	16.02	105	3896524	48.38	ppb	100
63)	tert-butylbenzene	16.60	119	3199485	47.40	ppb	100
64)	1,2,4-trimethylbenzene	16.69	105	3513130	46.84	ppb	100
65)	sec-butylbenzene	17.00	105	5656171	48.99	ppb	100
66)	1,3-dichlorobenzene	17.17	146	1355737	47.94	ppb	100
67)	4-isopropyltoluene	17.28	119	3839695	46.98	ppb	100
68)	1,4-dichlorobenzene	17.17	146	1355737	47.94	ppb	100
69)	1,2-dichlorobenzene	17.99	146	1041793	47.10	ppb	100
70)	n-butylbenzene	18.02	91	4243133	46.58	ppb	100
71)	1,2-dibromo-3-chloropropan	19.42	75	432865	220.49	ppb	99
72)	1,2,4-trichlorobenzene	20.95	180	519262	41.90	ppb	100
73)	hexachlorobutadiene	21.30	225	345796	41.98	ppb	100
74)	naphthalene	21.38	128	620592	42.81	ppb	100
75)	trans-1,4-Dichloro-2-buten	15.61	89	379540	248.32	ppb	100
76)	1,2,3-trichlorobenzene	21.84	180	385649	40.61	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714309.D Vial: 9
Acq On : 14 Jul 2005 4:23 pm Operator: JTF
Sample : vstd50 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 2005 Quant Results File: 8260SSC.RES

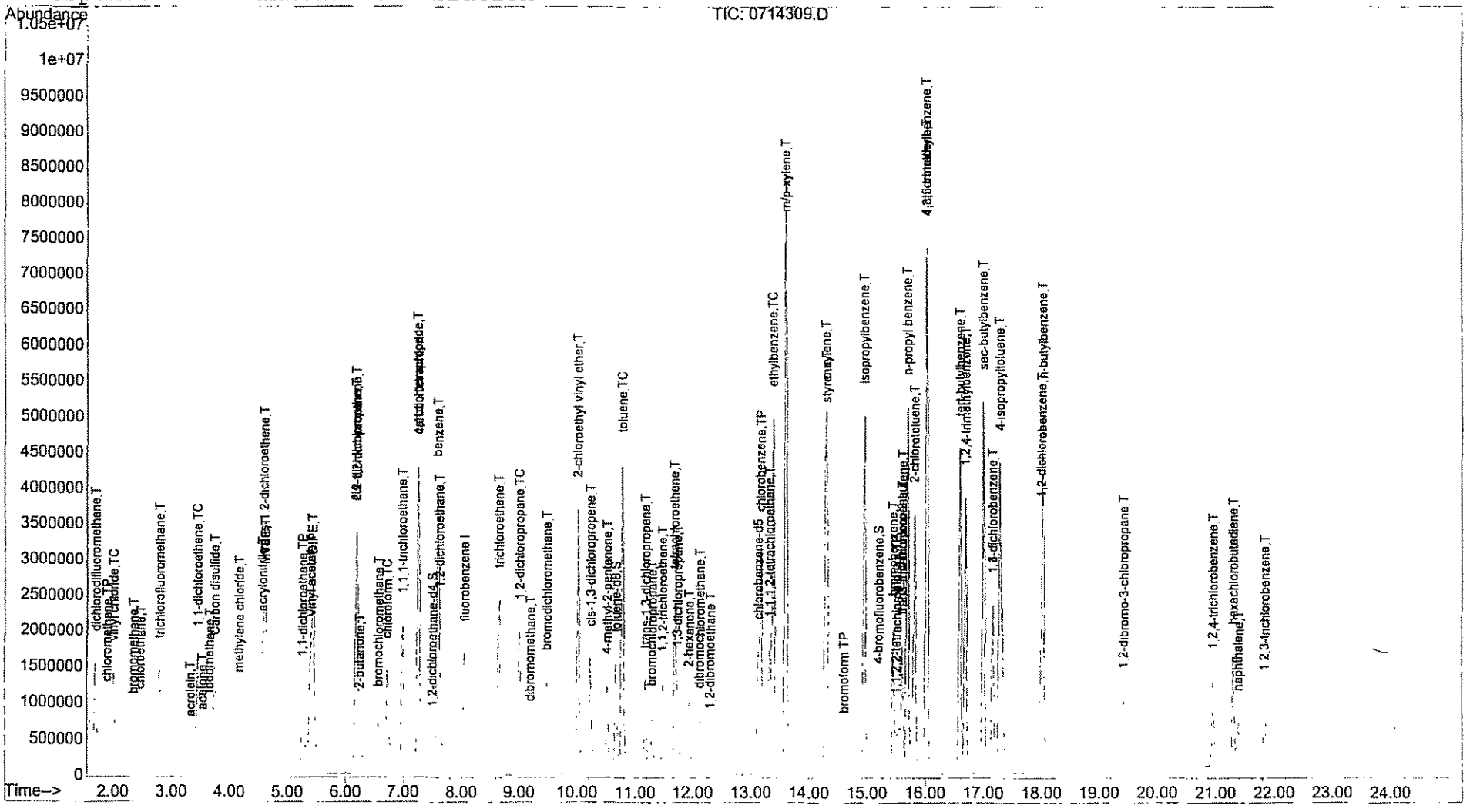
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	4.64	73	2130566	49.57 ppb	100
78) DIPE	5.44	45	4232720	50.64 ppb	100

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

Data File : C:\HPCHEM\1\DATA\3071405\0714309.D Vial: 9
Acq On : 14 Jul 2005 4:23 pm Operator: JTF
Sample : vstd50 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3071405\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714310.D Vial: 10
Acq On : 14 Jul 2005 4:54 pm Operator: JTF
Sample : vstd100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.05	96	2482980	50.00	ppb	-0.01
39) bromochloropropane	11.29	79	288138	50.00	ppb	-0.01
53) chlorobenzene-d5	13.11	117	1532012	50.00	ppb	-0.01
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.49	65	627024	51.40	ppb	-0.02
Spiked Amount 50.000			Recovery	=	102.80%	
33) toluene-d8	10.66	98	1758985	49.85	ppb	-0.01
Spiked Amount 50.000			Recovery	=	99.70%	
49) 4-bromofluorobenzene	15.20	95	790187	49.96	ppb	0.00
Spiked Amount 50.000			Recovery	=	99.92%	
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.70	85	5137890	108.49	ppb	98
3) chloromethane	1.91	50	4101819	103.73	ppb	99
4) vinyl chloride	2.01	62	4993622	108.26	ppb	99
5) bromomethane	2.35	94	1289531	96.43	ppb	97
6) chloroethane	2.46	64	1375140	97.27	ppb	99
7) trichlorofluoromethane	2.77	101	5235090	110.81	ppb	99
8) acrolein	3.32	56	1255701	1114.15	ppb	99
9) 1,1-dichloroethene	3.44	96	2532587	96.74	ppb	96
10) acetone	3.55	43	1542699	113.61	ppb	96
11) methylene chloride	4.16	84	1975190	99.37	ppb	94
12) trans-1,2-dichloroethene	4.60	96	2726566	98.82	ppb	95
13) acrylonitrile	4.57	53	4228019	1077.46	ppb	98
14) 1,1-dichloroethane	5.26	63	5479025	100.29	ppb	99
15) 2,2-dichloropropane	6.18	77	4948395	96.73	ppb	99
16) cis-1,2-dichloroethene	6.19	96	2530354	95.90	ppb	97
17) 2-butanone	6.25	43	1956303	101.89	ppb	98
18) bromochloromethane	6.57	128	675104	102.40	ppb	88
19) chloroform	6.73	83	4694279	100.76	ppb	99
20) 1,1,1-trichloroethane	6.98	97	4915387	100.56	ppb	98
21) carbon tetrachloride	7.25	117	4095463	103.73	ppb	98
22) 1,1-dichloropropene	7.26	75	4729658	99.33	ppb	98
24) benzene	7.58	78	11832749	96.03	ppb	98
25) 1,2-dichloroethane	7.62	62	2728076	99.98	ppb	98
26) trichloroethene	8.65	95	3039314	99.35	ppb	95
27) 1,2-dichloropropane	9.00	63	2594972	99.00	ppb	99
28) dibromomethane	9.19	93	899429	102.25	ppb	93
29) bromodichloromethane	9.48	83	2805898	101.90	ppb	98
30) 2-chloroethyl vinyl ether	10.02	106	1326723	104.50	ppb	100
31) cis-1,3-dichloropropene	10.23	75	3293054	101.32	ppb	96

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714310.D Vial: 10
Acq On : 14 Jul 2005 4:54 pm Operator: JTF
Sample : vstd100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32)	4-methyl-2-pentanone	10.52	43	3064748	106.42	ppb	98
34)	toluene	10.78	92	6742796	99.59	ppb	100
35)	Iodomethane	3.64	142	2991241	107.78	ppb	99
36)	trans-1,3-dichloropropene	11.17	75	2526232	101.98	ppb	98
37)	Vinyl acetate	5.38	86	591856	275.32	ppb	72
38)	Carbon disulfide	3.73	76	9665500	100.17	ppb	98
40)	1,1,2-trichloroethane	11.47	83	1130560	99.74	ppb	96
41)	tetrachloroethene	11.69	166	2501560	96.26	ppb	99
42)	1,3-dichloropropane	11.74	76	2540038	99.57	ppb	98
43)	2-hexanone	11.94	43	2474916	96.51	ppb	98
44)	dibromochloromethane	12.13	129	1253380	100.17	ppb	98
45)	1,2-dibromoethane	12.30	107	1152704	100.28	ppb	93
46)	chlorobenzene	13.16	112	5826717	95.47	ppb	96
47)	1,1,1,2-tetrachloroethane	13.32	131	1524307	97.21	ppb	99
48)	bromoform	14.60	173	714494	107.24	ppb	95
50)	bromobenzene	15.45	156	1692575	97.31	ppb	93
51)	1,1,2,2-tetrachloroethane	15.50	83	1315137	103.48	ppb	95
52)	1,2,3-trichloropropane	15.61	75	1767140	104.86	ppb	98
54)	ethylbenzene	13.38	91	13609990	103.47	ppb	99
55)	m/p-xylene	13.60	106	8833716	196.56	ppb	99
56)	styrene	14.31	104	5471585	100.74	ppb	100
57)	o-xylene	14.28	106	3939515	99.77	ppb	99
58)	isopropylbenzene	14.95	105	12675136	104.25	ppb	99
59)	n-propyl benzene	15.69	91	15911201	104.94	ppb	100
60)	2-chlorotoluene	15.81	126	1915670	96.76	ppb	96
61)	4-chlorotoluene	16.01	126	1817395	95.94	ppb	99
62)	1,3,5-trimethylbenzene	16.02	105	9208213	100.18	ppb	100
63)	tert-butylbenzene	16.59	119	7868923	102.15	ppb	100
64)	1,2,4-trimethylbenzene	16.68	105	8585314	100.30	ppb	96
65)	sec-butylbenzene	17.00	105	13987822	106.14	ppb	98
66)	1,3-dichlorobenzene	17.16	146	3231732	100.13	ppb	99
67)	4-isopropyltoluene	17.27	119	9500772	101.86	ppb	99
68)	1,4-dichlorobenzene	17.16	146	3231732	100.13	ppb	99
69)	1,2-dichlorobenzene	17.99	146	2503474	99.16	ppb	98
70)	n-butylbenzene	18.02	91	10625212	102.20	ppb	99
71)	1,2-dibromo-3-chloropropan	19.41	75	1150783	513.59	ppb	95
72)	1,2,4-trichlorobenzene	20.94	180	1390661	98.32	ppb	98
73)	hexachlorobutadiene	21.30	225	1008061	106.70	ppb	97
74)	naphthalene	21.37	128	1686154	103.95	ppb	100
75)	trans-1,4-Dichloro-2-buten	15.61	89	968938	555.42	ppb	93
76)	1,2,3-trichlorobenzene	21.83	180	1061997	97.98	ppb	98

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714310.D Vial: 10
Acq On : 14 Jul 2005 4:54 pm Operator: JTF
Sample : vstd100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

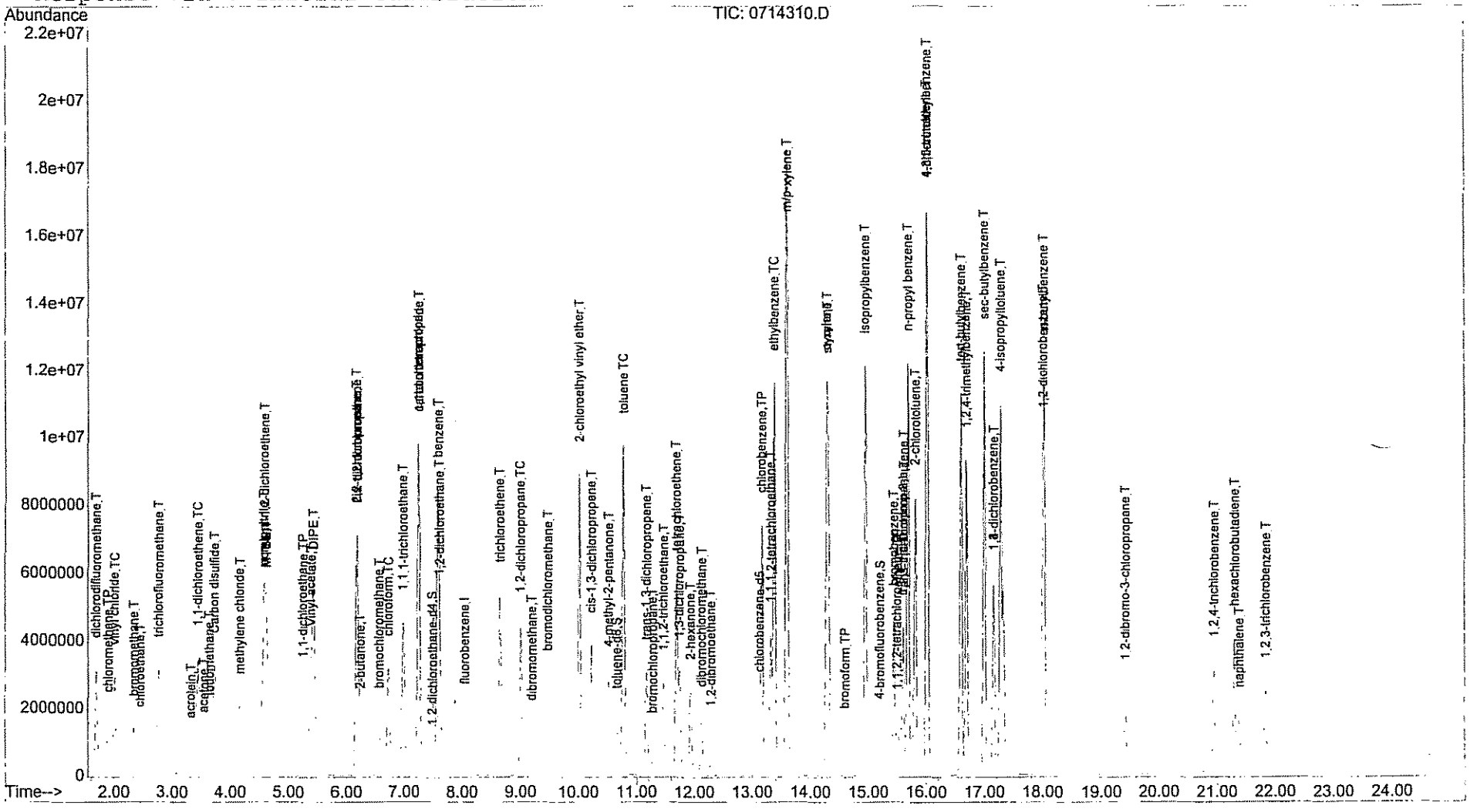
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	4.63	73	5076849	103.48 ppb	98
78) DIPE	5.43	45	9246601	96.92 ppb	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\3071405\0714310.D Vial: 10
Acq On : 14 Jul 2005 4:54 pm Operator: JTF
Sample : vstd100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3071405\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714311.D Vial: 11
Acq On : 14 Jul 2005 5:25 pm Operator: JTF
Sample : vstd200 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) fluorobenzene	8.06	96	2589552	50.00 ppb	0.00
39) bromochloropropane	11.29	79	294789	50.00 ppb	-0.01
53) chlorobenzene-d5	13.11	117	1528439	50.00 ppb	-0.01
System Monitoring Compounds					
23) 1,2-dichloroethane-d4	7.50	65	614580	48.31 ppb	-0.01
Spiked Amount 50.000			Recovery =	96.62%	
33) toluene-d8	10.66	98	1802531	48.98 ppb	-0.01
Spiked Amount 50.000			Recovery =	97.96%	
49) 4-bromofluorobenzene	15.20	95	761598	47.07 ppb	0.00
Spiked Amount 50.000			Recovery =	94.14%	

Target Compounds					Qvalue
2) dichlorodifluoromethane	1.70	85	10569107	213.99 ppb	95
3) chloromethane	1.90	50	8622226	209.07 ppb	98
4) vinyl chloride	2.01	62	10493664	218.14 ppb	96
5) bromomethane	2.34	94	2699409	200.28 ppb	95
6) chloroethane	2.45	64	1818126	125.33 ppb	99
7) trichlorofluoromethane	2.74	101	9897813	200.88 ppb	99
8) acrolein	3.33	56	2334939	1986.47 ppb	98
9) 1,1-dichloroethene	3.42	96	5095621	186.63 ppb	96
10) acetone	3.56	43	2663307	193.11 ppb	98
11) methylene chloride	4.15	84	3964104	191.21 ppb	99
12) trans-1,2-dichloroethene	4.59	96	5489428	190.77 ppb	94
13) acrylonitrile	4.58	53	8058376	1964.84 ppb	99
14) 1,1-dichloroethane	5.26	63	11056561	194.05 ppb	100
15) 2,2-dichloropropane	6.18	77	9954353	186.58 ppb	99
16) cis-1,2-dichloroethene	6.19	96	5101191	185.38 ppb	93
17) 2-butanone	6.27	43	3465860	173.08 ppb	97
18) bromochloromethane	6.57	128	1337051	194.46 ppb	82
19) chloroform	6.73	83	9484668	195.21 ppb	99
20) 1,1,1-trichloroethane	6.98	97	9942743	195.04 ppb	95
21) carbon tetrachloride	7.25	117	8335303	202.44 ppb	97
22) 1,1-dichloropropene	7.26	75	9567840	192.67 ppb	99
24) benzene	7.58	78	22873539	178.00 ppb	96
25) 1,2-dichloroethane	7.62	62	5349250	187.98 ppb	99
26) trichloroethene	8.65	95	6217042	194.86 ppb	93
27) 1,2-dichloropropane	9.00	63	5239023	191.64 ppb	99
28) dibromomethane	9.19	93	1734346	189.04 ppb	95
29) bromodichloromethane	9.49	83	5642879	196.50 ppb	99
30) 2-chloroethyl vinyl ether	10.03	106	2657341	198.36 ppb	99
31) cis-1,3-dichloropropene	10.22	75	6571112	193.85 ppb	98

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714311.D Vial: 11
Acq On : 14 Jul 2005 5:25 pm Operator: JTF
Sample : vstd200 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32)	4-methyl-2-pentanone	10.52	43	5692017	189.52 ppb		98
34)	toluene	10.78	92	13783457	195.21 ppb	#	75
35)	Iodomethane	3.63	142	5879562	203.13 ppb		98
36)	trans-1,3-dichloropropene	11.17	75	5092194	197.11 ppb		100
37)	Vinyl acetate	5.38	86	1004302	447.95 ppb		78
38)	Carbon disulfide	3.72	76	19782458	196.58 ppb		98
40)	1,1,2-trichloroethane	11.48	83	2237298	192.92 ppb		98
41)	tetrachloroethene	11.70	166	5112110	192.28 ppb		95
42)	1,3-dichloropropane	11.75	76	4962769	190.15 ppb		99
43)	2-hexanone	11.94	43	4534855	172.84 ppb		99
44)	dibromochloromethane	12.13	129	2402281	187.67 ppb		95
45)	1,2-dibromoethane	12.29	107	2257991	192.00 ppb		96
46)	chlorobenzene	13.17	112	11717388	187.65 ppb		98
47)	1,1,1,2-tetrachloroethane	13.32	131	3022382	188.39 ppb		99
48)	bromoform	14.61	173	1368780	200.81 ppb		100
50)	bromobenzene	15.45	156	3310842	186.04 ppb		97
51)	1,1,2,2-tetrachloroethane	15.51	83	2442525	187.85 ppb		95
52)	1,2,3-trichloropropane	15.61	75	3590458	208.25 ppb		99
54)	ethylbenzene	13.38	91	22059460	168.10 ppb	#	88
55)	m/p-xylene	13.60	106	17498534	390.28 ppb	#	56
56)	styrene	14.32	104	10732013	198.06 ppb		100
57)	o-xylene	14.29	106	7726171	196.13 ppb		99
58)	isopropylbenzene	14.96	105	20972804	172.89 ppb		92
59)	n-propyl benzene	15.69	91	22549345	149.06 ppb	#	85
60)	2-chlorotoluene	15.82	126	3628319	183.70 ppb		92
61)	4-chlorotoluene	16.02	126	3396036	179.69 ppb		95
62)	1,3,5-trimethylbenzene	16.02	105	17251049	188.11 ppb		99
63)	tert-butylbenzene	16.60	119	15276295	198.77 ppb		100
64)	1,2,4-trimethylbenzene	16.69	105	16391015	191.93 ppb		99
65)	sec-butylbenzene	17.00	105	21237626	161.53 ppb	#	81
66)	1,3-dichlorobenzene	17.16	146	6081013	188.84 ppb		100
67)	4-isopropyltoluene	17.28	119	17176356	184.58 ppb		94
68)	1,4-dichlorobenzene	17.16	146	6081013	188.84 ppb		100
69)	1,2-dichlorobenzene	17.99	146	4627463	183.72 ppb		99
70)	n-butylbenzene	18.02	91	18342252	176.84 ppb	#	90
71)	1,2-dibromo-3-chloropropan	19.42	75	2033318	909.58 ppb		94
72)	1,2,4-trichlorobenzene	20.95	180	2543599	180.25 ppb		94
73)	hexachlorobutadiene	21.30	225	1871470	198.26 ppb		99
74)	naphthalene	21.37	128	3207099	199.52 ppb		100
75)	trans-1,4-Dichloro-2-buten	15.61	89	1797253	1032.64 ppb		94
76)	1,2,3-trichlorobenzene	21.83	180	1974874	182.64 ppb		97

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071405\0714311.D Vial: 11
Acq On : 14 Jul 2005 5:25 pm Operator: JTF
Sample : vstd200 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 2005 Quant Results File: 8260SSC.RES

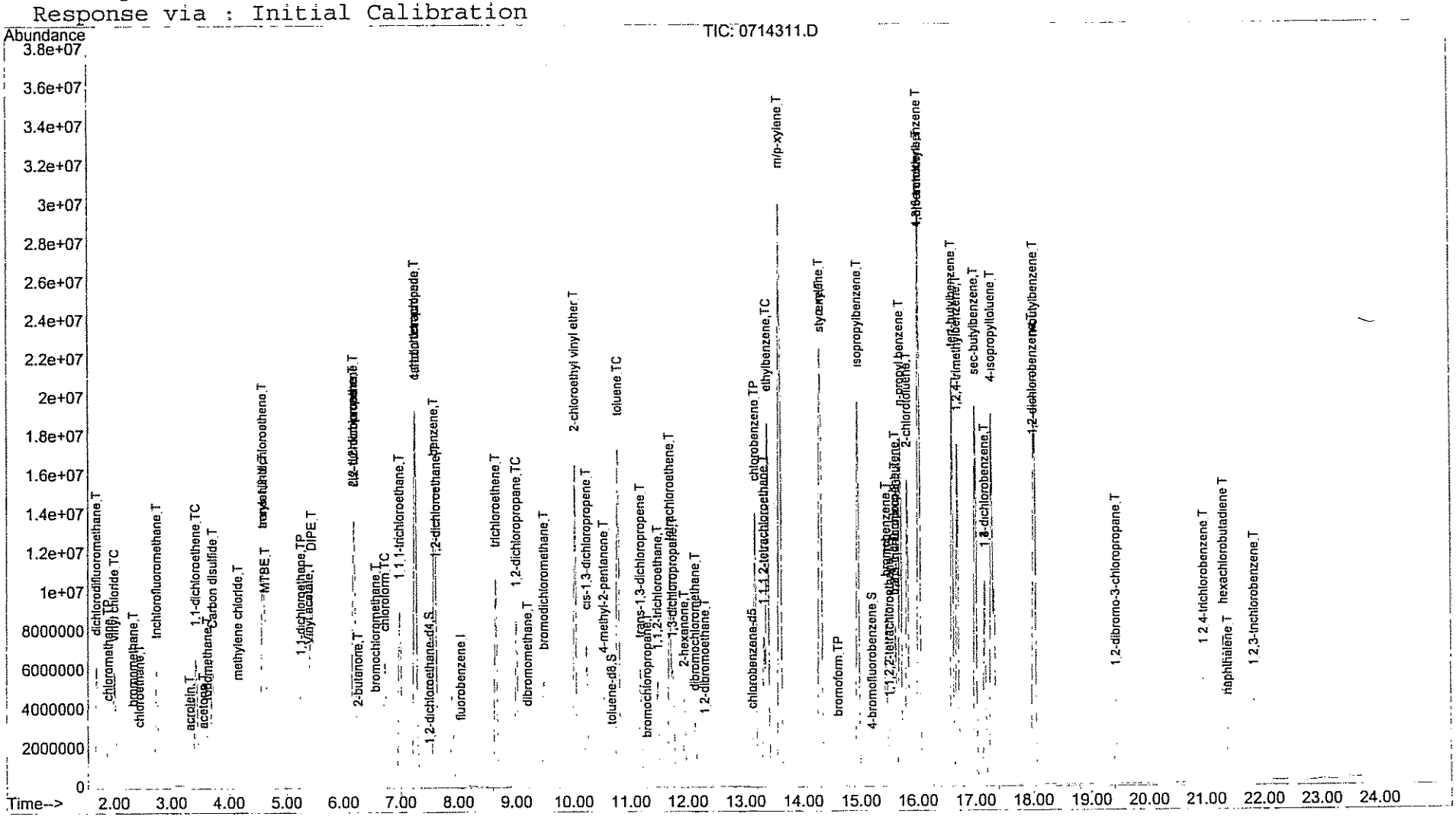
Quant Method : C:\HPCHEM\1...\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	4.64	73	9750579	199.21 ppb	98
78) DIPE	5.44	45	18379826	193.11 ppb	98

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

Data File : C:\HPCHEM\1\DATA\3071405\0714311.D Vial: 11
Acq On : 14 Jul 2005 5:25 pm Operator: JTF
Sample : vstd200 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 20 13:48 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3071405\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration



5035 CVS Raw Data

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\3071905\0719323.D Vial: 23
Acq On : 19 Jul 2005 6:17 pm Operator: JTF
Sample : qchk100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\DATA\3071905\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 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	61	0.00
2	T	dichlorodifluoromethane	0.954	0.699	26.7#	41#	0.00
3	TP	chloromethane	0.796	0.654	17.8	48#	0.00
4	TC	vinyl chloride	0.929	0.867	6.7	53	0.00
5	T	bromomethane	0.333	0.229	31.2#	54	0.00
6	T	chloroethane	0.373	0.395	-5.9	87	-0.02
7	T	trichlorofluoromethane	0.951	1.044	-9.8	60	0.00
8	T	acrolein	0.023	0.020	13.0	48#	-0.02
9	TC	1,1-dichloroethene	0.527	0.508	3.6	61	-0.02
10	T	acetone	0.332	0.237	28.6#	47#	0.00
11	T	methylene chloride	0.400	0.352	12.0	54	0.00
12	T	trans-1,2-dichloroethene	0.556	0.532	4.3	59	-0.02
13	T	acrylonitrile	0.072	0.065	9.7	46#	0.00
14	TP	1,1-dichloroethane	1.100	1.066	3.1	59	0.00
15	T	2,2-dichloropropane	1.030	1.033	-0.3	63	0.00
16	T	cis-1,2-dichloroethene	0.531	0.474	10.7	57	-0.02
17	T	2-butanone	0.387	0.298	23.0	46#	0.00
18	T	bromochloromethane	0.133	0.113	15.0	51	-0.02
19	TC	chloroform	0.938	0.924	1.5	60	-0.02
20	T	1,1,1-trichloroethane	0.984	0.992	-0.8	61	0.00
21	T	carbon tetrachloride	0.795	0.806	-1.4	60	0.00
22	T	1,1-dichloropropene	0.959	0.957	0.2	61	-0.02
23	S	1,2-dichloroethane-d4	0.246	0.229	6.9	55	-0.03
24	T	benzene	2.481	2.238	9.8	57	0.00
25	T	1,2-dichloroethane	0.549	0.503	8.4	56	-0.02
26	T	trichloroethene	0.616	0.600	2.6	60	-0.02
27	TC	1,2-dichloropropane	0.528	0.472	10.6	55	-0.02
28	T	dibromomethane	0.177	0.149	15.8	50	-0.02
29	T	bromodichloromethane	0.554	0.516	6.9	56	-0.02
30	T	2-chloroethyl vinyl ether	0.221	0.180	18.6	41#	0.00
31	T	cis-1,3-dichloropropene	0.655	0.598	8.7	55	-0.02
32	T	4-methyl-2-pentanone	0.580	0.475	18.1	47#	-0.02
33	S	toluene-d8	0.711	0.722	-1.5	62	-0.02
34	TC	toluene	1.363	1.282	5.9	58	0.00
35	T	Iodomethane	0.559	0.514	8.1	52	-0.02
36	T	trans-1,3-dichloropropene	0.499	0.454	9.0	54	-0.02
37	T	Vinyl acetate	0.043	0.032	25.6#	41#	0.00
38	T	Carbon disulfide	1.943	1.847	4.9	58	-0.02
39	I	bromochloropropane	1.000	1.000	0.0	54	-0.03
40	T	1,1,2-trichloroethane	1.967	1.800	8.5	49#	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\3071905\0719323.D Vial: 23
Acq On : 19 Jul 2005 6:17 pm Operator: JTF
Sample : qchk100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\DATA\3071905\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 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)
41	T	tetrachloroethene	4.510	4.832	-7.1	60	-0.02
42	T	1,3-dichloropropane	4.427	4.138	6.5	50	-0.02
43	T	2-hexanone	4.450	4.007	10.0	50	-0.02
44	T	dibromochloromethane	2.171	2.128	2.0	52	0.00
45	T	1,2-dibromoethane	1.995	1.852	7.2	50#	-0.02
46	TP	chlorobenzene	10.591	10.476	1.1	56	-0.02
47	T	1,1,1,2-tetrachloroethane	2.721	2.769	-1.8	56	-0.02
48	TP	bromoform	1.156	1.143	1.1	49#	-0.02
49	S	4-bromofluorobenzene	2.744	2.997	-9.2	59	0.00
50	T	bromobenzene	3.018	2.990	0.9	55	0.00
51	TP	1,1,2,2-tetrachloroethane	2.205	2.148	2.6	50	-0.02
52	T	1,2,3-trichloropropane	2.924	3.001	-2.6	53	-0.02
53		chlorobenzene-d5	1.000	1.000	0.0	60	-0.02
54	TC	ethylbenzene	4.293	4.306	-0.3	58	0.00
55	T	m/p-xylene	1.467	1.404	4.3	58	0.00
56	T	styrene	1.773	1.632	8.0	55	-0.02
57	T	o-xylene	1.289	1.221	5.3	57	-0.02
58	T	isopropylbenzene	3.968	3.971	-0.1	57	-0.02
59	T	n-propyl benzene	4.949	5.113	-3.3	59	-0.02
60	T	2-chlorotoluene	0.646	0.600	7.1	57	0.00
61	T	4-chlorotoluene	0.618	0.583	5.7	59	-0.02
62	T	1,3,5-trimethylbenzene	3.000	2.955	1.5	59	0.00
63	T	tert-butylbenzene	2.514	2.494	0.8	58	-0.02
64	T	1,2,4-trimethylbenzene	2.794	2.721	2.6	58	-0.02
65	T	sec-butylbenzene	4.301	4.388	-2.0	57	0.00
66	T	1,3-dichlorobenzene	1.053	1.001	4.9	57	-0.02
67	T	4-isopropyltoluene	3.044	3.040	0.1	59	-0.02
68	T	1,4-dichlorobenzene	1.053	1.001	4.9	57	-0.02
69	T	1,2-dichlorobenzene	0.824	0.738	10.4	54	-0.02
70	T	n-butylbenzene	3.393	3.377	0.5	58	0.00
71	T	1,2-dibromo-3-chloropropane	0.073	0.060	17.8	47#	-0.02
72	T	1,2,4-trichlorobenzene	0.462	0.392	15.2	52	0.00
73	T	hexachlorobutadiene	0.292	0.289	1.0	52	0.00
74	T	naphthalene	0.587	0.486	17.2	53	-0.02
75	T	trans-1,4-Dichloro-2-butene	0.057	0.051	10.5	48#	-0.02
76	T	1,2,3-trichlorobenzene	0.354	0.291	17.8	50	-0.02
77	T	MTBE	1.601	1.371	14.4	49#	-0.02
78	T	DIPE	3.114	2.767	11.1	55	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719323.D Vial: 23
Acq On : 19 Jul 2005 6:17 pm Operator: JTF
Sample : qchk100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 18:42 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	8.05	96	1514880	50.00	ppb	0.00
39) bromochloropropane	11.27	79	154578	50.00	ppb	-0.03
53) chlorobenzene-d5	13.11	117	914625	50.00	ppb	-0.02
System Monitoring Compounds						
23) 1,2-dichloroethane-d4	7.49	65	346991	46.62	ppb	-0.03
Spiked Amount 50.000			Recovery = 93.24%			
33) toluene-d8	10.65	98	1094052	50.82	ppb	-0.02
Spiked Amount 50.000			Recovery = 101.64%			
49) 4-bromofluorobenzene	15.20	95	463346	54.61	ppb	0.00
Spiked Amount 50.000			Recovery = 109.22%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.70	85	2117982	73.30	ppb	95
3) chloromethane	1.90	50	1980938	82.11	ppb	99
4) vinyl chloride	2.02	62	2626639	93.34	ppb	100
5) bromomethane	2.35	94	694983	84.40	ppb	91
6) chloroethane	2.46	64	1195334	141.78	ppb	99
7) trichlorofluoromethane	2.79	101	3163813	109.76	ppb	99
8) acrolein	3.32	56	600911	873.90	ppb	98
9) 1,1-dichloroethene	3.45	96	1538566	96.33	ppb	91
10) acetone	3.55	43	717379	84.76	ppb	99
11) methylene chloride	4.17	84	1066876	87.97	ppb	96
12) trans-1,2-dichloroethene	4.59	96	1611606	95.74	ppb	94
13) acrylonitrile	4.56	53	1955385	817.99	ppb	99
14) 1,1-dichloroethane	5.26	63	3231040	96.93	ppb	99
15) 2,2-dichloropropane	6.18	77	3130884	100.32	ppb	97
16) cis-1,2-dichloroethene	6.19	96	1435946	89.20	ppb	99
17) 2-butanone	6.26	43	901706	76.98	ppb	97
18) bromochloromethane	6.56	128	342352	85.12	ppb	78
19) chloroform	6.72	83	2799149	98.48	ppb	99
20) 1,1,1-trichloroethane	6.99	97	3004691	100.75	ppb	98
21) carbon tetrachloride	7.25	117	2440767	101.33	ppb	99
22) 1,1-dichloropropene	7.25	75	2899311	99.80	ppb	96
24) benzene	7.59	78	6781245	90.21	ppb	98
25) 1,2-dichloroethane	7.62	62	1524036	91.55	ppb	99
26) trichloroethene	8.64	95	1819287	97.47	ppb	96
27) 1,2-dichloropropane	9.00	63	1428662	89.34	ppb	99
28) dibromomethane	9.18	93	452699	84.35	ppb	93
29) bromodichloromethane	9.47	83	1564763	93.15	ppb	97
30) 2-chloroethyl vinyl ether	10.01	106	546270	71.34	ppb	98
31) cis-1,3-dichloropropene	10.22	75	1810630	91.31	ppb	96

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719323.D Vial: 23
Acq On : 19 Jul 2005 6:17 pm Operator: JTF
Sample : qchk100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 18:42 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32)	4-methyl-2-pentanone	10.51	43	1438395	81.87 ppb		99
34)	toluene	10.77	92	3882668	94.00 ppb		100
35)	Iodomethane	3.64	142	1556778	91.94 ppb		97
36)	trans-1,3-dichloropropene	11.17	75	1374496	90.95 ppb		99
37)	Vinyl acetate	5.39	86	242136	184.62 ppb		94
38)	Carbon disulfide	3.73	76	5596614	95.07 ppb		98
40)	1,1,2-trichloroethane	11.46	83	556380	91.49 ppb		96
41)	tetrachloroethene	11.69	166	1493752	107.14 ppb		99
42)	1,3-dichloropropane	11.74	76	1279330	93.48 ppb		94
43)	2-hexanone	11.93	43	1238833	90.05 ppb		98
44)	dibromochloromethane	12.12	129	658000	98.03 ppb		98
45)	1,2-dibromoethane	12.29	107	572669	92.86 ppb	#	96
46)	chlorobenzene	13.16	112	3238602	98.91 ppb		95
47)	1,1,1,2-tetrachloroethane	13.32	131	856024	101.76 ppb		96
48)	bromoform	14.60	173	353420	98.88 ppb		99
50)	bromobenzene	15.44	156	924465	99.07 ppb		93
51)	1,1,2,2-tetrachloroethane	15.49	83	663913	97.37 ppb		93
52)	1,2,3-trichloropropane	15.59	75	927797	102.62 ppb		96
54)	ethylbenzene	13.37	91	7877546	100.32 ppb		99
55)	m/p-xylene	13.59	106	5137846	191.50 ppb		96
56)	styrene	14.30	104	2984984	92.06 ppb		100
57)	o-xylene	14.27	106	2233328	94.74 ppb		96
58)	isopropylbenzene	14.94	105	7263468	100.06 ppb		100
59)	n-propyl benzene	15.68	91	9352727	103.32 ppb		99
60)	2-chlorotoluene	15.81	126	1098255	92.92 ppb		96
61)	4-chlorotoluene	16.01	126	1065719	94.23 ppb		98
62)	1,3,5-trimethylbenzene	16.02	105	5405604	98.50 ppb		99
63)	tert-butylbenzene	16.59	119	4562979	99.22 ppb		94
64)	1,2,4-trimethylbenzene	16.68	105	4977564	97.40 ppb		98
65)	sec-butylbenzene	16.99	105	8026388	102.02 ppb		98
66)	1,3-dichlorobenzene	17.15	146	1830734	95.01 ppb		99
67)	4-isopropyltoluene	17.27	119	5560834	99.86 ppb		98
68)	1,4-dichlorobenzene	17.15	146	1830734	95.01 ppb		99
69)	1,2-dichlorobenzene	17.98	146	1349356	89.53 ppb		98
70)	n-butylbenzene	18.02	91	6176881	99.52 ppb		99
71)	1,2-dibromo-3-chloropropan	19.41	75	544540	407.07 ppb		97
72)	1,2,4-trichlorobenzene	20.94	180	717515	84.97 ppb		98
73)	hexachlorobutadiene	21.29	225	528040	93.66 ppb		100
74)	naphthalene	21.37	128	889436	91.67 ppb		100
75)	trans-1,4-Dichloro-2-buten	15.59	89	464393	445.89 ppb		90
76)	1,2,3-trichlorobenzene	21.82	180	532664	82.32 ppb		96

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\3071905\0719323.D Vial: 23
Acq On : 19 Jul 2005 6:17 pm Operator: JTF
Sample : qchk100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 18:42 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 15 07:11:08 2005
Response via : Initial Calibration
DataAcq Meth : 8260SSC

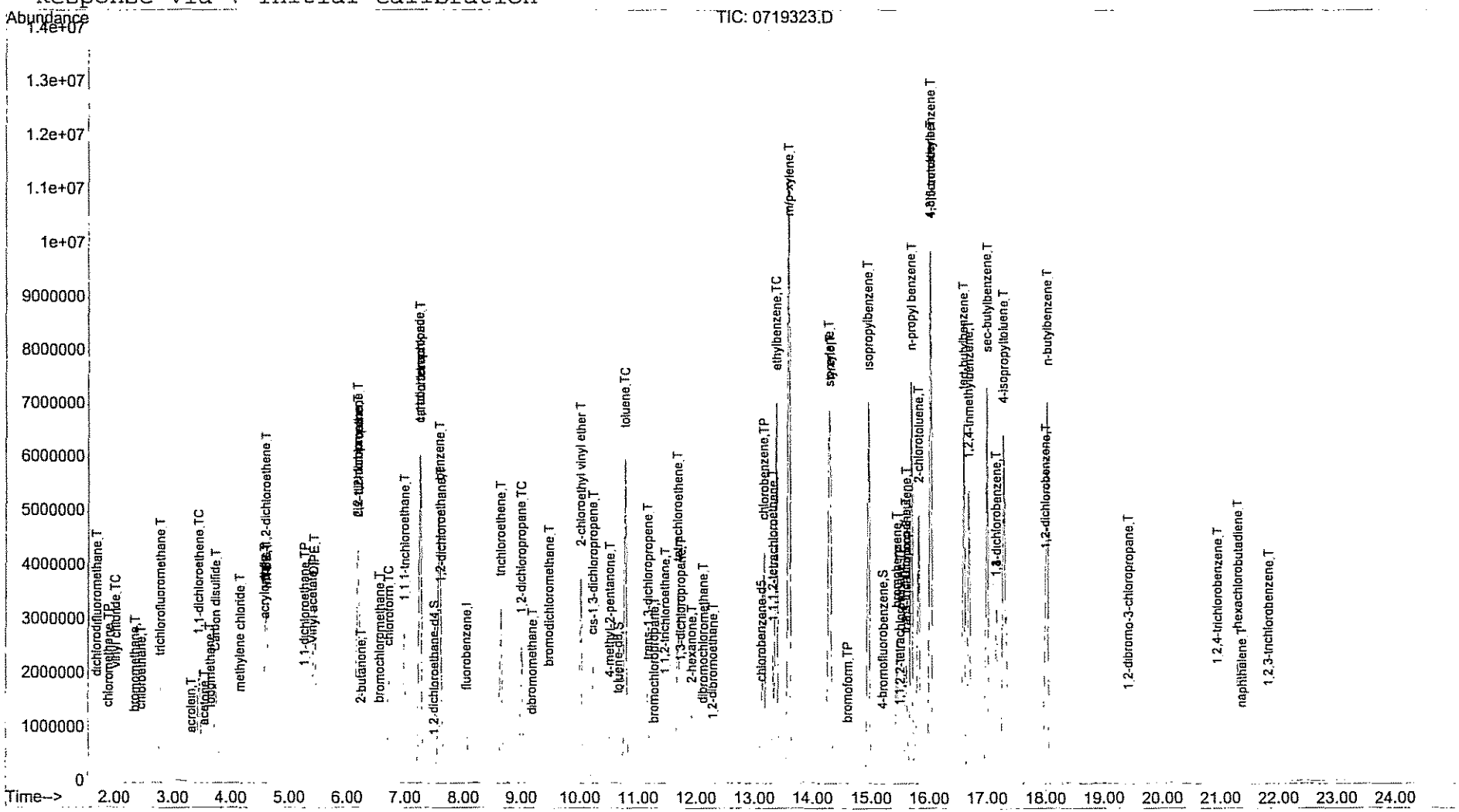
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) MTBE	4.62	73	2508094	85.63 ppb	98
78) DIPE	5.43	45	5062325	88.88 ppb	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\3071905\0719323.D Vial: 23
Acq On : 19 Jul 2005 6:17 pm Operator: JTF
Sample : qchk100 Inst : MSD3
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 18:42 2005 Quant Results File: 8260SSC.RES

Method : C:\HPCHEM\1\DATA\3071905\8260SSC.M (RTE Integrator)
Title : Soil for 8260/8240/624/App.II/App.IX
Last Update : Fri Jul 15 07:11:08 2005
Response via : Initial Calibration



5035 Prep, Standard, Run Logs

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

8260WGC-7-071105-C61 8260WGQ-7-71105-C62 8260SGC-7-071105-C65 8260SGQ-7-711005-C66

Paradigm Analytical

MSD3 Runlog Sheet

Method: 8260 / 6210D 5030 / 5035

Matrix: Water Soil

Initial Cal. Curve: 8260/5035-7/14/05 8260w/6210d 6/5/05 gasadds 5/17/05

Batch: 3071405

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0714301.D	bfb 50ng	7/14/05 7:22				JTF	✓
0714302.D	b	7/14/05 9:55				JTF	
0714303.D	b	7/14/05 10:40				JTF	
0714304.D	bfb 50ng	7/14/05 13:46				JTF	✓
0714305.D	b	7/14/05 14:17				JTF	
0714306.D	vstd5	7/14/05 14:49				JTF	✓
0714307.D	vstd10	7/14/05 15:20				JTF	✓
0714308.D	vstd20	7/14/05 15:51				JTF	✓
0714309.D	vstd50	7/14/05 16:23				JTF	✓
0714310.D	vstd100	7/14/05 16:54				JTF	✓
0714311.D	vstd200	7/14/05 17:25				JTF	✓
0714312.D	b	7/14/05 17:56				JTF	
0714313.D	b	7/14/05 18:28				JTF	
0714314.D	b	7/14/05 18:59				JTF	
0714315.D	b	7/14/05 19:30				JTF	
0714316.D	b	7/14/05 20:01				JTF	

Analyst: JTF

See Top for Standard Lot Numbers

Page Number: ~~4468~~ 32600

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8260WBC-7-063005-C61 8260WBQ-7-063005-C62 8260SBC-7-063005-C65 8260SBQ-7-063005-C66
8260WGC-7-071805-C61 8260WGQ-7-71805-C62 8260SGC-7-071805-C65 8260SGQ-7-718005-C66

Paradigm Analytical

MSD3 Runlog Sheet

Method: 8260 / 6210D 5030 / 5035

Matrix: Water Soil

Initial Cal. Curve: 8260/5035-7/14/05 8260w/6210d 6/5/05 gasadds 5/17/05

Batch: 3071905

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0719301.D	bfb 50ng	7/19/05 6:58				JTF	
0719302.D	qchk100	7/19/05 7:29				JTF	
0719303.D	qchk100	7/19/05 8:00				JTF	
0719304.D	lcs3071905a	7/19/05 8:28				JTF	
0719305.D	vblk3071905a	7/19/05 8:59				JTF	
0719306.D	vblk3071905b	7/19/05 9:30				JTF	
0719307.D	g106-529-1a	7/19/05 10:01				JTF	
0719308.D	g106-529-2a	7/19/05 10:32				JTF	
0719309.D	g106-529-5a	7/19/05 11:03				JTF	
0719310.D	g122-2622-3a	7/19/05 11:34				JTF	
0719311.D	g122-2622-2a	7/19/05 12:04				JTF	
0719312.D	g122-2622-1a	7/19/05 12:35				JTF	
0719313.D	g204-469-1a	7/19/05 13:06				JTF	
0719314.D	g311-129-1a	7/19/05 13:37				JTF	
0719315.D	g311-129-2a dup	7/19/05 14:08				JTF	
0719316.D	g311-129-2b	7/19/05 14:39				JTF	
0719317.D	g600-28-8a	7/19/05 15:10				JTF	
0719318.D	g600-28-7a	7/19/05 15:41				JTF	
0719319.D	g106-529-1b ms	7/19/05 16:13				JTF	

Analyst: JTF

See Top for Standard Lot Numbers

Page Number: 3272

8260WBC-7-063005-C61 8260WBQ-7-063005-C62 8260SBC-7-063005-C65 8260SBQ-7-063005-C66
8260WGC-7-071805-C61 8260WGQ-7-71805-C62 8260SGC-7-071805-C65 8260SGQ-7-718005-C66

Paradigm Analytical

MSD3 Runlog Sheet

Method: 8260 / 6210D 5030 / 5035

Matrix: Water Soil

Initial Cal. Curve: 8260/5035-7/14/05 8260w/6210d 6/5/05 gasadds 5/17/05

Batch: 3071905

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0719320.D	g106-529-1c msd	7/19/05 16:43				JTF	
0719321.D	bfb 50ng	7/19/05 17:15				JTF	
0719322.D	qchk100	7/19/05 17:46				JTF	
0719323.D	qchk100	7/19/05 18:17				JTF	
0719324.D	lcs3071905b	7/19/05 18:47				JTF	
0719325.D	vblk3071905c	7/19/05 19:18				JTF	
0719326.D	vblk3071905d	7/19/05 19:49				JTF	
0719327.D	vblk3071905e	7/19/05 20:19				JTF	
0719328.D	g122-2616-15b	7/19/05 20:50				JTF	
0719329.D	g204-469-8a	7/19/05 21:21				JTF	
0719330.D	g204-469-1a	7/19/05 21:52				JTF	
0719331.D	g204-469-2a	7/19/05 22:22				JTF	
0719332.D	g204-469-3a	7/19/05 22:53				JTF	
0719333.D	g204-469-4a	7/19/05 23:24				JTF	
0719334.D	g122-2616-15c dup	7/19/05 23:55				JTF	
0719335.D	g161-2074-1a	7/20/05 0:25				JTF	
0719336.D	g161-2074-1b	7/20/05 0:56				JTF	
0719337.D	g204-469-2b ms	7/20/05 1:27				JTF	
0719338.D	g204-469-2c msd	7/20/05 1:57				JTF	

Analyst: JF

See Top for Standard Lot Numbers

Page Number: 3277

VO23.112202.1

Soil BASE Mix:

Referring Page	Description	Initial conc (ppm)	Ammt used(ul)	Final Vol. (ml)	Final Conc. (ppm)
7A- 19	Restek 502.2 MEGA mix lot A035291	2000	50	10	10
7A- 21	restek ketones lot A034309	5000	50	10	10
7B- 21	8260rxtv-7- 0603005	10000	50	10	50
Solvent:	Methanol LOT# CN017				

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

PAL lot number: 8260SBC-7- 0603005-C60

Soil GAS Mix:

Referring 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- 07/1/05	500, 5000	200	10	10, 100
Solvent:	Methanol LOT# CN017				

Ampule opened: 7/1/05
Prep date:
Expiration date: 7/1/05

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

Soil GAS Mix:

Referring 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# CN017				

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

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

Soil GAS Mix:

Referring 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-

Soil GAS Mix:

Referring 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 C65

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# CMOD				

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

PAL lot number: 8260SBQ-7-063005-L64

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# CMOD				

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

PAL lot number: 8260SGQ-7- 071105-L66

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# CMOD				

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

PAL lot number: 8260SGQ-7- 071805-L66

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-

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: 010

VO27.112202.1

Mr. Jason Ricks
ECS
6909 International Drive
Greensboro NC 27409

Report Number: G161-2070

Client Project: North State Milling Property

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.

7/25/05

Laboratory Director Date
J. Patrick Weaver

CASE NARRATIVE

Date: September 23, 2005

ECS Project ID: North State Milling Property
Paradigm Analytical ID: G161-2070

Three water samples a duplicate, and an equipment blank were received July 14 for analysis as indicated on the chain of custody. The samples were received in good condition, within temperature and holding time limits.

All extractions and analyses were completed within holding time.

Following is a discussion of quality control results by parameter.

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 pair passed all acceptance limits.

The LCS passed acceptance limits.

625

The samples passed surrogate spike limits.

The blank was free of the target analyte.

There were some failures in the MS/MSD pair.

There were some recovery failures in the LCS.

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

D = Detected, but RPD is > 40% between results in dual column method.

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# 47805

G161-2070 Page 1 of 1

Client: Jason Ricks
Address: 6909 International Dr., 103
Address: Greensboro, NC 27409
Quote #: 1842

Project ID: North State Milling Property
Contact: Jason Ricks
Phone: (336)856-7150
Fax: 856-7180

Date: 7/13/05
Turnaround: Standard
Job Number: G-9506
P.O. Number:

Report To: jricks@eastmitchl.com
Invoice To:

Sample ID	Date	Time	Matrix	Preservatives: None	HCL	HNO_3		Analyses: 601/602	504.1 · EDB	EPH	VPH	3030C Lead	625 BN + 10	Total RCRA metals	625 BN HO TICS + 1,4 Dioxane			Comments: Please specify any special reporting requirements
NSMW-1	7/13/05	10:35	GW	X	X	X		X	X	X	X	X	X					City of Greensboro Project
NSMW-2	↓	11:25	↓	X	X	X		X		X	X			X	X			
NSMW-3	↓	1:20	↓	X	X	X		X						X	X			
Dup-3	↓	—	↓		X			X										
~~NSMW-6~~																		
Equip Blank	↓	12:20	↓		X			X										
																		X/SMW-1 Limited Sample

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
[signature]	7/13/05	3:30	[signature]	7/14/05	0945	1.6°C	NC (X) SC ____ Other ____
							SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

Results for Volatiles
by GC 601

Client Sample ID: NSMW-1
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-1A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 10:35
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/15/2005
Bromoform	BQL	2.00	1	7/15/2005
Bromomethane	BQL	1.00	1	7/15/2005
Carbon tetrachloride	BQL	1.00	1	7/15/2005
Chlorobenzene	BQL	1.00	1	7/15/2005
Chloroethane	BQL	1.00	1	7/15/2005
Chloroform	BQL	1.00	1	7/15/2005
Chloromethane	BQL	1.00	1	7/15/2005
Dibromochloromethane	BQL	1.00	1	7/15/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/15/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,1-Dichloroethane	BQL	1.00	1	7/15/2005
1,2-Dichloroethane	BQL	1.00	1	7/15/2005
1,1-Dichloroethene	BQL	1.00	1	7/15/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
1,2-Dichloropropane	BQL	1.00	1	7/15/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
Methylene Chloride	BQL	5.00	1	7/15/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/15/2005
Tetrachloroethene	BQL	1.00	1	7/15/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/15/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/15/2005
Trichloroethene	BQL	1.00	1	7/15/2005
Trichlorofluoromethane	BQL	1.00	1	7/15/2005
Vinyl Chloride	BQL	1.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	38.1	95.4

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

Reviewed By: _____

Results for Volatiles
by GC 601

Client Sample ID: NSMW-2
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-2A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 11:25
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/15/2005
Bromoform	BQL	2.00	1	7/15/2005
Bromomethane	BQL	1.00	1	7/15/2005
Carbon tetrachloride	BQL	1.00	1	7/15/2005
Chlorobenzene	BQL	1.00	1	7/15/2005
Chloroethane	BQL	1.00	1	7/15/2005
Chloroform	BQL	1.00	1	7/15/2005
Chloromethane	BQL	1.00	1	7/15/2005
Dibromochloromethane	BQL	1.00	1	7/15/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/15/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,1-Dichloroethane	BQL	1.00	1	7/15/2005
1,2-Dichloroethane	BQL	1.00	1	7/15/2005
1,1-Dichloroethene	BQL	1.00	1	7/15/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
1,2-Dichloropropane	BQL	1.00	1	7/15/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
Methylene Chloride	BQL	5.00	1	7/15/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/15/2005
Tetrachloroethene	BQL	1.00	1	7/15/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/15/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/15/2005
Trichloroethene	BQL	1.00	1	7/15/2005
Trichlorofluoromethane	BQL	1.00	1	7/15/2005
Vinyl Chloride	BQL	1.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	37.4	93.4

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

Reviewed By: _____

Results for Volatiles
by GC 601

Client Sample ID: NSMW-3
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-3A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 13:20
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/15/2005
Bromoform	BQL	2.00	1	7/15/2005
Bromomethane	BQL	1.00	1	7/15/2005
Carbon tetrachloride	BQL	1.00	1	7/15/2005
Chlorobenzene	BQL	1.00	1	7/15/2005
Chloroethane	BQL	1.00	1	7/15/2005
Chloroform	BQL	1.00	1	7/15/2005
Chloromethane	BQL	1.00	1	7/15/2005
Dibromochloromethane	BQL	1.00	1	7/15/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/15/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,1-Dichloroethane	BQL	1.00	1	7/15/2005
1,2-Dichloroethane	BQL	1.00	1	7/15/2005
1,1-Dichloroethene	BQL	1.00	1	7/15/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
1,2-Dichloropropane	BQL	1.00	1	7/15/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
Methylene Chloride	BQL	5.00	1	7/15/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/15/2005
Tetrachloroethene	BQL	1.00	1	7/15/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/15/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/15/2005
Trichloroethene	BQL	1.00	1	7/15/2005
Trichlorofluoromethane	BQL	1.00	1	7/15/2005
Vinyl Chloride	BQL	1.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	38.3	95.7

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

Reviewed By: _____

Results for Volatiles
by GC 601

Client Sample ID: Dup-3
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-4A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 0:00
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/15/2005
Bromoform	BQL	2.00	1	7/15/2005
Bromomethane	BQL	1.00	1	7/15/2005
Carbon tetrachloride	BQL	1.00	1	7/15/2005
Chlorobenzene	BQL	1.00	1	7/15/2005
Chloroethane	BQL	1.00	1	7/15/2005
Chloroform	BQL	1.00	1	7/15/2005
Chloromethane	BQL	1.00	1	7/15/2005
Dibromochloromethane	BQL	1.00	1	7/15/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/15/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,1-Dichloroethane	BQL	1.00	1	7/15/2005
1,2-Dichloroethane	BQL	1.00	1	7/15/2005
1,1-Dichloroethene	BQL	1.00	1	7/15/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
1,2-Dichloropropane	BQL	1.00	1	7/15/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
Methylene Chloride	BQL	5.00	1	7/15/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/15/2005
Tetrachloroethene	BQL	1.00	1	7/15/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/15/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/15/2005
Trichloroethene	BQL	1.00	1	7/15/2005
Trichlorofluoromethane	BQL	1.00	1	7/15/2005
Vinyl Chloride	BQL	1.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	37.2	93

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

Reviewed By: _____

Results for Volatiles
by GC 601

Client Sample ID: Equip Blank
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-5A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 12:20
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	7/16/2005
Bromoform	BQL	2.00	1	7/16/2005
Bromomethane	BQL	1.00	1	7/16/2005
Carbon tetrachloride	BQL	1.00	1	7/16/2005
Chlorobenzene	BQL	1.00	1	7/16/2005
Chloroethane	BQL	1.00	1	7/16/2005
Chloroform	BQL	1.00	1	7/16/2005
Chloromethane	BQL	1.00	1	7/16/2005
Dibromochloromethane	BQL	1.00	1	7/16/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/16/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/16/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/16/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/16/2005
1,1-Dichloroethane	BQL	1.00	1	7/16/2005
1,2-Dichloroethane	BQL	1.00	1	7/16/2005
1,1-Dichloroethene	BQL	1.00	1	7/16/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/16/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/16/2005
1,2-Dichloropropane	BQL	1.00	1	7/16/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/16/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/16/2005
Methylene Chloride	BQL	5.00	1	7/16/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/16/2005
Tetrachloroethene	BQL	1.00	1	7/16/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/16/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/16/2005
Trichloroethene	BQL	1.00	1	7/16/2005
Trichlorofluoromethane	BQL	1.00	1	7/16/2005
Vinyl Chloride	BQL	1.00	1	7/16/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	36.3	90.8

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: NSMW-1
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-1A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 10:35
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/15/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/15/2005
Ethylbenzene	BQL	1.00	1	7/15/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/15/2005
Toluene	**1.65**	1.00	1	7/15/2005
m/p-Xylene	BQL	2.00	1	7/15/2005
o-Xylene	BQL	2.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	42.4	106

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

Reviewed By: RJP

Results for Volatiles
by GC 602

Client Sample ID: NSMW-2
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-2A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 11:25
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/15/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/15/2005
Ethylbenzene	BQL	1.00	1	7/15/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/15/2005
Toluene	BQL	1.00	1	7/15/2005
m/p-Xylene	BQL	2.00	1	7/15/2005
o-Xylene	BQL	2.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.5	101

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: NSMW-3
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-3A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 13:20
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/15/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/15/2005
Ethylbenzene	BQL	1.00	1	7/15/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/15/2005
Toluene	BQL	1.00	1	7/15/2005
m/p-Xylene	BQL	2.00	1	7/15/2005
o-Xylene	BQL	2.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.5	101

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: Dup-3
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-4A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 0:00
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/15/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/15/2005
Ethylbenzene	BQL	1.00	1	7/15/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/15/2005
Toluene	BQL	1.00	1	7/15/2005
m/p-Xylene	BQL	2.00	1	7/15/2005
o-Xylene	BQL	2.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.5	101

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: Equip Blank
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-5A
Lab Project ID: G161-2070

Analyzed By: MJC
Date Collected: 7/13/2005 12:20
Date Received: 7/14/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	7/16/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/16/2005
Ethylbenzene	BQL	1.00	1	7/16/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/16/2005
Toluene	BQL	1.00	1	7/16/2005
m/p-Xylene	BQL	2.00	1	7/16/2005
o-Xylene	BQL	2.00	1	7/16/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.4	101

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

Reviewed By: RW

Results for Volatiles
by GC 602

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK3071505B
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	7/15/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	7/15/2005
Ethylbenzene	BQL	1.00	1	7/15/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	7/15/2005
Toluene	BQL	1.00	1	7/15/2005
m/p-Xylene	BQL	2.00	1	7/15/2005
o-Xylene	BQL	2.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.0	100

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: VBLK3071505B
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	7/15/2005
Bromoform	BQL	2.00	1	7/15/2005
Bromomethane	BQL	1.00	1	7/15/2005
Carbon tetrachloride	BQL	1.00	1	7/15/2005
Chlorobenzene	BQL	1.00	1	7/15/2005
Chloroethane	BQL	1.00	1	7/15/2005
Chloroform	BQL	1.00	1	7/15/2005
Chloromethane	BQL	1.00	1	7/15/2005
Dibromochloromethane	BQL	1.00	1	7/15/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	7/15/2005
1,2-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,3-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,4-Dichlorobenzene	BQL	1.00	1	7/15/2005
1,1-Dichloroethane	BQL	1.00	1	7/15/2005
1,2-Dichloroethane	BQL	1.00	1	7/15/2005
1,1-Dichloroethene	BQL	1.00	1	7/15/2005
cis-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
trans-1,2-Dichloroethene	BQL	1.00	1	7/15/2005
1,2-Dichloropropane	BQL	1.00	1	7/15/2005
cis-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
trans-1,3-Dichloropropene	BQL	1.00	1	7/15/2005
Methylene Chloride	BQL	5.00	1	7/15/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	7/15/2005
Tetrachloroethene	BQL	1.00	1	7/15/2005
1,1,1-Trichloroethane	BQL	1.00	1	7/15/2005
1,1,2-Trichloroethane	BQL	1.00	1	7/15/2005
Trichloroethene	BQL	1.00	1	7/15/2005
Trichlorofluoromethane	BQL	1.00	1	7/15/2005
Vinyl Chloride	BQL	1.00	1	7/15/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.0	100

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

Reviewed By: PNP

Control Limits for MS-MSD

Method : 601 **Spike[ppb] :** 10
Instrument : gc3
Sample : 071505\036f0101.txt
MS : 071505\037f0101.txt
MSD : 071505\038f0101.txt

5

	µg/L			P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Bromodichloromethane	ND	10.7	10.7	107	107	42	172
Bromoform	ND	9.1	9.2	91	92	13	159
Bromomethane	ND	10.3	10.2	103	102	D	144
Carbon tetrachloride	ND	12.0	11.8	120	118	43	143
Chlorobenzene	ND	11.0	11.0	110	110	38	150
Chloroethane	ND	12.0	11.7	120	117	46	137
Chloroform	ND	11.6	11.3	116	113	49	133
Chloromethane	ND	11.8	11.7	118	117	D	193
Dibromochloromethane	ND	10.0	10.1	100	101	24	191
• 1,2-Dibromoethane	ND	9.8	9.9	98	99	D	206
1,2-Dichlorobenzene	ND	10.2	10.4	102	104	D	208
1,3-Dichlorobenzene	ND	10.6	10.7	106	107	7	187
1,4-Dichlorobenzene	ND	10.5	10.7	105	107	42	143
1,1-Dichloroethane	ND	12.1	11.7	121	117	47	132
1,2-Dichloroethane	ND	10.5	10.5	105	105	51	147
1,1-Dichloroethene	ND	12.3	12.0	123	120	28	167
• cis-1,2-Dichloroethene	ND	11.3	10.9	113	109	19	181
trans-1,2-Dichloroethene	ND	12.2	11.8	122	118	38	155
1,2-Dichloropropane	ND	11.2	11.2	112	112	44	156
cis-1,3-Dichloropropene	ND	10.4	10.4	104	104	22	178
trans-1,3-Dichloropropene	ND	9.3	9.4	91	91	22	178
Methylene Chloride	ND	12.2	11.4	122	114	25	162
1,1,2,2-Tertrachloroethane	ND	9.9	9.9	99	99	8	184
Tetrachloroethane	ND	11.2	11.4	112	114	26	162
1,1,1-Trichloroethane	ND	11.7	11.6	117	116	41	138
1,1,2-Trichloroethane	ND	9.8	10.3	98	103	39	136
Trichloroethene	ND	11.8	11.7	118	117	35	146
Trichlorofluromethane	ND	12.1	11.9	121	119	21	156
Vinyl Chloride	ND	11.8	11.6	118	116	28	163

Method: 602 **Spike[ppb] :** 10
Instrument : gc3
Sample : 071505\036r0101.txt
MS : 071505\037r0101.txt
MSD : 071505\038r0101.txt

	µg/L			P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Benzene	ND	10.2	10.2	102	102	39	150
Chlorobenzene	ND	10.1	10.0	101	100	55	135
1,2-Dichlorobenzene	2.2	12.6	12.0	104	98	37	154
1,3-Dichlorobenzene	ND	11.2	10.7	112	107	50	141
1,4-Dichlorobenzene	ND	9.3	9.1	93	91	42	143
• Diisopropyl ether	ND	11.4	11.3	107	106	30	170
Ethylbenzene	36.2	47.6	46.9	114	107	32	160
• MTBE	ND	10.0	10.0	100	100	35	165
Toluene	ND	10.8	10.7	106	106	46	148
• m,p-Xylene	48.8	69.7	68.5	105	99	D	239
• o-Xylene	ND	11.5	11.3	106	104	36	164

Flags :

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

Reviewed by: RW

Control Limits for QC Check / Laboratory Control Spike

Method : 601 **Spike[ppb] : 10**
Instrument : gc3
Filename : 071505\021f0101.txt

			QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Bromodichloromethane	10.7	107.4	76.0	124.0	107	42	172
Bromoform	9.9	99.4	73.5	126.5	99	13	159
Bromomethane	10.6	106.0	58.5	141.5	106	D	144
Carbon tetrachloride	11.4	114.0	68.5	131.5	114	43	143
Chlorobenzene	10.6	105.7	72.0	128.0	106	38	150
Chloroethane	11.0	110.0	77.0	123.0	110	46	137
Chloroform	11.1	111.5	75.0	125.0	111	49	133
Chloromethane	10.9	109.3	59.5	140.5	109	D	193
Dibromochloromethane	10.5	105.4	65.5	134.5	105	24	191
• 1,2-Dibromoethane	10.4	104.2	13.6	186.4	104	D	206
1,2-Dichlorobenzene	10.2	101.5	70.0	130.0	102	D	208
1,3-Dichlorobenzene	10.1	101.2	49.5	150.5	101	7	187
1,4-Dichlorobenzene	10.2	102.3	69.5	130.5	102	42	143
1,1-Dichloroethane	11.2	112.2	84.0	116.0	112	47	132
1,2-Dichloroethane	10.8	108.2	71.5	128.5	108	51	147
1,1-Dichloroethene	11.2	111.5	63.0	137.0	112	28	167
• cis-1,2-Dichloroethene	10.8	108.1	34.4	180.6	108	19	181
trans-1,2-Dichloroethene	11.2	111.9	64.0	136.0	112	38	155
1,2-Dichloropropane	10.9	109.4	74.0	126.0	109	44	156
cis-1,3-Dichloropropene	10.7	106.5	64.0	136.0	107	22	178
trans-1,3-Dichloropropene	10.0	100.4	64.0	136.0	100	22	178
Methylene Chloride	11.2	112.1	77.5	122.5	112	26	162
1,1,2,2-Tertrachloroethane	10.2	101.8	49.0	151.0	102	8	184
Tetrachloroethane	11.1	111.1	70.0	130.0	111	26	162
1,1,1-Trichloroethane	11.1	110.9	71.0	129.0	111	41	138
1,1,2-Trichloroethane	10.4	104.4	78.5	121.5	104	39	136
Trichloroethene	11.3	113.1	77.0	123.0	113	36	146
Trichlorofluromethane	11.1	110.5	66.5	133.5	111	21	156
Vinyl Chloride	10.8	107.6	68.5	131.5	108	28	163

Method: 602 **Spike[ppb] : 10**
Instrument : gc3
Filename : 071505\021r0101.txt

			QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Benzene	10.3	102.7	77.0	123.0	103	39	150
Chlorobenzene	10.0	100.4	80.5	119.5	100	55	135
1,2-Dichlorobenzene	9.3	93.4	68.0	132.0	93	37	154
1,3-Dichlorobenzene	9.6	96.3	72.5	127.5	96	50	141
1,4-Dichlorobenzene	9.7	97.0	69.5	130.5	97	42	143
• Diisopropyl ether	9.9	98.9	43.1	156.9	99	30	170
Ethylbenzene	10.1	101.3	63.0	137.0	101	32	160
• MTBE	10.2	102.2	46.8	153.2	102	35	165
Toluene	10.2	101.8	77.5	127.0	102	46	148
• m,p-Xylene	20.4	102.0	11.2	188.8	102	D	239
• o-Xylene	10.2	101.6	47.6	152.4	102	36	164

Flags :

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

Reviewed by: _____

Paradigm Analytical Laboratories, INC.

IV

601 METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1071505A

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab Sample ID: VBLK1071505A Lab File ID: 021F0101.D

Date Analyzed: 2005-07-15 Instrument ID: GC1

Time Analyzed: 21:28 GC Column:

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

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	NSMW-1	G161-2070-1A	027F0101.D	2005-07-15 21:54
02	NSMW-2	G161-2070-2A	028F0101.D	2005-07-15 22:24
03	NSMW-3	G161-2070-3A	030F0101.D	2005-07-15 23:25
04	Dup-3	G161-2070-4A	031F0101.D	2005-07-15 23:56
05	Equip Blank	G161-2070-5A	032F0101.D	2005-07-16 00:26
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COMMENTS:

Paradigm Analytical Laboratories, INC.

IV

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK3071505B

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab Sample ID: VBLK3071505B Lab File ID: 023F0101.D

Date Analyzed: 2005-07-15 Instrument ID: GC3

Time Analyzed: 19:51 GC Column:

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

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	NSMW-1	G161-2070-1A	027F0101.D	2005-07-15 21:54
02	NSMW-2	G161-2070-2A	028F0101.D	2005-07-15 22:24
03	NSMW-3	G161-2070-3A	030F0101.D	2005-07-15 23:25
04	Dup-3	G161-2070-4A	031F0101.D	2005-07-15 23:56
05	Equip Blank	G161-2070-5A	032F0101.D	2005-07-16 00:26
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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	NSMW-1	G161-2070-1A	027F0101.D	95.4	70 - 130	0
02	NSMW-2	G161-2070-2A	028F0101.D	93.4	70 - 130	0
03	NSMW-3	G161-2070-3A	030F0101.D	95.7	70 - 130	0
04	Dup-3	G161-2070-4A	031F0101.D	93	70 - 130	0
05	Equip Blank	G161-2070-5A	032F0101.D	90.8	70 - 130	0
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S1 (DCB) = 1,4-dichlorobutane

Paradigm Analytical Laboratories, INC.

IV

602 METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK3071505B

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab Sample ID: VBLK3071505B Lab File ID: 023R0101.D

Date Analyzed: 2005-07-15 Instrument ID: GC3

Time Analyzed: 19:51 GC Column:

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

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	NSMW-1	G161-2070-1A	027R0101.D	2005-07-15 21:54
02	NSMW-2	G161-2070-2A	028R0101.D	2005-07-15 22:24
03	NSMW-3	G161-2070-3A	030R0101.D	2005-07-15 23:25
04	Dup-3	G161-2070-4A	031R0101.D	2005-07-15 23:56
05	Equip Blank	G161-2070-5A	032R0101.D	2005-07-16 00:26
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COMMENTS:

Paradigm Analytical Laboratories, INC.

IV

602 METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1071505A

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab Sample ID: VBLK1071505A Lab File ID: 021R0101.D

Date Analyzed: 2005-07-15 Instrument ID: GC1

Time Analyzed: 21:28 GC Column:

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

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	NSMW-1	G161-2070-1A	027R0101.D	2005-07-15 21:54
02	NSMW-2	G161-2070-2A	028R0101.D	2005-07-15 22:24
03	NSMW-3	G161-2070-3A	030R0101.D	2005-07-15 23:25
04	Dup-3	G161-2070-4A	031R0101.D	2005-07-15 23:56
05	Equip Blank	G161-2070-5A	032R0101.D	2005-07-16 00:26
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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	NSMW-1	G161-2070-1A	027R0101.D	106	70 - 130	0
02	NSMW-2	G161-2070-2A	028R0101.D	101	70 - 130	0
03	NSMW-3	G161-2070-3A	030R0101.D	101	70 - 130	0
04	Dup-3	G161-2070-4A	031R0101.D	101	70 - 130	0
05	Equip Blank	G161-2070-5A	032R0101.D	101	70 - 130	0
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S1 (TFT) = trifluorotoluene

Control Limits for QC Check / Laboratory Control Spike

Method : 601 **Spike[ppb] : 10**
Instrument : gc3
Filename : 071505\019f0101.txt

			QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Bromodichloromethane	10.9	109.0	76.0	124.0	109	42	172
Bromoform	10.0	99.7	73.5	126.5	100	13	159
Bromomethane	10.6	106.3	58.5	141.5	106	D	144
Carbon tetrachloride	11.4	114.2	68.5	131.5	114	43	143
Chlorobenzene	10.5	105.2	72.0	128.0	105	38	150
Chloroethane	11.0	109.7	77.0	123.0	110	46	137
Chloroform	11.3	112.7	75.0	125.0	113	49	133
Chloromethane	10.9	109.2	59.5	140.5	109	D	193
Dibromochloromethane	10.6	106.1	65.5	134.5	106	24	191
• 1,2-Dibromoethane	10.6	106.0	13.6	186.4	106	D	206
1,2-Dichlorobenzene	10.4	104.3	70.0	130.0	104	D	208
1,3-Dichlorobenzene	10.4	104.5	49.5	150.5	104	7	187
1,4-Dichlorobenzene	10.5	105.5	69.5	130.5	105	42	143
1,1-Dichloroethane	11.2	112.4	84.0	116.0	112	47	132
1,2-Dichloroethane	11.0	110.4	71.5	128.5	110	51	147
1,1-Dichloroethene	11.2	111.7	63.0	137.0	112	28	167
• cis-1,2-Dichloroethene	11.0	110.1	34.4	180.6	110	19	181
trans-1,2-Dichloroethene	11.2	112.2	64.0	136.0	112	38	155
1,2-Dichloropropane	11.1	111.5	74.0	126.0	111	44	156
cis-1,3-Dichloropropene	10.8	107.6	64.0	136.0	108	22	178
trans-1,3-Dichloropropene	10.1	101.5	64.0	136.0	101	22	178
Methylene Chloride	11.2	111.5	77.5	122.5	112	25	162
1,1,2,2-Tertrachloroethane	10.4	104.1	49.0	151.0	104	8	184
Tetrachloroethane	11.2	112.1	70.0	130.0	112	26	162
1,1,1-Trichloroethane	11.2	112.1	71.0	129.0	112	41	138
1,1,2-Trichloroethane	10.8	108.4	78.5	121.5	108	39	136
Trichloroethene	11.4	114.0	77.0	123.0	114	35	146
Trichlorofluromethane	11.1	110.7	66.5	133.5	111	21	156
Vinyl Chloride	10.8	107.6	68.5	131.5	108	28	163

Method: 602 **Spike[ppb] : 10**
Instrument : gc3
Filename : 071505\019r0101.txt

			QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Benzene	10.3	102.6	77.0	123.0	103	39	150
Chlorobenzene	10.1	101.5	80.5	119.5	101	55	135
1,2-Dichlorobenzene	10.0	99.6	68.0	132.0	100	37	154
1,3-Dichlorobenzene	10.3	102.8	72.5	127.5	103	50	141
1,4-Dichlorobenzene	10.2	101.6	69.5	130.5	102	42	143
• Diisopropyl ether	9.8	98.4	43.1	156.9	98	30	170
Ethylbenzene	10.3	103.2	63.0	137.0	103	32	160
• MTBE	10.1	101.4	46.8	153.2	101	35	165
Toluene	10.2	102.3	77.5	127.0	102	46	148
• m,p-Xylene	21.0	104.8	11.2	188.8	105	D	239
• o-Xylene	10.5	104.7	47.6	152.4	105	36	164

Flags :

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

Reviewed by: _____

Results for Organics
by EPA 504

Client Sample ID:	NSMW-1	Analyzed By:	CLP
Client Project ID:	North State Milling Property	Date Collected:	7/13/05 10:35
Lab Sample ID:	G161-2070-1O	Date Received:	7/14/05 9:45
Lab Project ID:	G161-2070	Matrix:	Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0.0196	1	7/19/05

Reviewed By: _____

8011_LIMS_1 2

Results for Organics
by EPA 504

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3264
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	0.0197	1	7/19/05

Reviewed By: [illegible]

6011_LIMS_1 2

QC Results for EDB
by EPA 8011/504

Client Sample ID: Batch QC
Lab Sample ID: G349-108-4E
Batch ID: 3264

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	< 1	0 0562	0 191	94 3	0 0562	0 199	108	13 5

LCS

Analyte		Spiked ug/L	Result ug/L	REC %	Limits Lower	Limits Upper
EDB		0 0568343	0 0739	130	70	130

Comments:

= Outside Control Limits

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling Property

Sample Information and Analytical Results	
Sample Identification	NSMW-1
Sample Matrix	Water
Date Collected	07/13/05
Date Received	07/14/05
Date Extracted	07/15/05
Date Analyzed	07/16/05
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	90

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2070-1M

Reviewed By: BJP

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling Property

Sample Information and Analytical Results	
Sample Identification	NSMW-2
Sample Matrix	Water
Date Collected	07/13/05
Date Received	07/14/05
Date Extracted	07/15/05
Date Analyzed	07/16/05
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	90
Aromatic Surrogate % Recovery	88

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2070-2K

Reviewed By: RHV

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: 07/15/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	16.4
C_{19}-C_{36} Aliphatics	160	9.1
C_{11}-C_{22} Aromatics	340	7.7

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: _____

Project Name: _____

Sample Information and Analytical Results	
Sample Identification	Method Blank
Sample Matrix	Water
Date Collected	
Date Received	
Date Extracted	07/15/05
Date Analyzed	07/16/05
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	100
Aromatic Surrogate % Recovery	100

Comments:

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

Lab info: pb3239

Reviewed By: _____

MS/MSD Results for EPH
by MDEP-EPH

Client Sample ID:	Batch QC	Date Analyzed:	7/18/2005
Client Project ID:		Analyzed By:	DCS
Lab Sample ID:	QC3239	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	320	68%	360	76%	11.8
C_{19}-C_{36} Aliphatics	BQL	760	107%	820	116%	7.6
C_{11}-C_{22} Aromatics	270	1000	66%	1300	93%	34.1

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit

LCS Results for EPH
by MDEP-EPH

Client Sample ID:	LCS)	Date Analyzed:	7/18/2005
Client Project ID:		Analyzed By:	CLP
Lab Sample ID:	LCS3239	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	130	65	40	140
C_{19}-C_{36} Aliphatics	300	350	117	40	140
C_{11}-C_{22} Aromatics	500	430	86	40	140

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit

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	GMW-4	G161-2069-1M	100	98	85	40 - 140	0
02	GMW-5	G161-2069-2M	79	96	86	40 - 140	0
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
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41							
42							
43							
44							

S1 (COD) = Chloro-octadecane
S2 (OTP) = ortho-terphenyl
S3 (frac) = 2-Bromonaphthalene

Paradigm Analytical Laboratories, INC.

4C

EPH METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB3239

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab Sample ID: PB3239 Extraction: (Type) 3520

Matrix: (soil/water) WATER Date Extracted: 2005-07-15

GC Column: RTX-5

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

	EPA SAMPLE NO.	LAB SAMPLE ID
01	GMW-4	G161-2069-1M
02	GMW-5	G161-2069-2M
03	G161-2069-2N MS	G161-2069-2N MS
04	G161-2069-2O MSD	G161-2069-2O MSD
05		
06		
07		
08		
09		
10		
11		
12		
13		
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32		
33		

COMMENTS:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling Property

Sample Information and Analytical Results	
Sample Identification	NSMW-1
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	07/13/05
Date Received	07/14/05
Date Extracted	07/15/05
Date Analyzed	07/15/05
Dry Weight	
Dilution Factor	1
C_5-C_8 Aliphatics**	180 (µg/L)
C_9-C_{12} Aliphatics**	< 100 (µg/L)
C_9-C_{10} Aromatics**	< 100 (µg/L)
Surrogate % Recovery - PID	120
Surrogate % Recovery - FID	130

* = 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: g161-2070-1d

Reviewed By: Bw

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling Property

Sample Information and Analytical Results	
Sample Identification	NSMW-2
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	07/13/05
Date Received	07/14/05
Date Extracted	07/15/05
Date Analyzed	07/15/05
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	120
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: g161-2070-2d

Reviewed By: [illegible]

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: 07/15/05

Calibration Check

Range	Levels (µg/L)	(mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	4.0
C_9-C_{12} Aliphatics	500	50	4.8
C_9-C_{10} Aromatics	500	50	-3.2

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

Paradigm Analytical Laboratories, INC.

IV

VPH METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK4071505A

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab Sample ID: VBLK4071505A Lab File ID: 006F0101.D

Date Analyzed: 2005-07-15 Instrument ID: GC4

Time Analyzed: 10:31 GC Column:

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

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	NSMW-1	G161-2070-1D	019F0101.D	2005-07-15 18:15
02	NSMW-2	G161-2070-2D	020F0101.D	2005-07-15 18:40
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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COMMENTS:

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	NSMW-1	G161-2070-1D	019F0101.D	130	120	70-130	0
02	NSMW-2	G161-2070-2D	020F0101.D	120	110	70-130	0
03							
04							
05							
06							
07							
08							
09							
10							
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32							
33							
34							
35							

S1 (FID) = 4-bromofluorobenzene
S2 (PID) = 4-bromofluorobenzene

LCS Results for VPH
by MDEP-VPH

Client Sample ID:	LCS	Date Analyzed:	7/15/2005
Client Project ID:		Analyzed By:	DCS
Lab Sample ID:	VLCS4071505	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		290			
C_9-C_{12} Aliphatics		130			
C_9-C_{10} Aromatics		69			
Gasoline	500	489	98	70	130

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit

MS/MSD Results for VPH
by MDEP-VPH

Client Sample ID:	Batch QC	Date Analyzed:	7/18/2005
Client Project ID:		Analyzed By:	DCS
Lab Sample ID:	QC071505	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	370		340		
C_9-C_{12} Aliphatics	BQL	150		140		
C_9-C_{10} Aromatics	BQL	85		84		
		Total	**%Rec**	**Total**	**%Rec**	**RPD**
Gasoline	BQL	605	121%	564	113%	7.0

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	07/15/05
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	91
Surrogate % Recovery - FID	92

* = 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: vblk4071505a

Reviewed By: _____

Results for Metals

Client Sample ID:	NSMW-1	Analyzed By:	RML
Client Project ID:	North State Milling Property	Date Collected:	7/13/2005 10:35
Lab Sample ID:	G161-2070-1	Date Received:	7/14/05
Lab Project ID:	G161-2070	Matrix:	WATER
Batch ID:	3246		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	5.00	25	UG/L	6020	7/21/05

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3 3

Results for Metals

Client Sample ID:	NSMW-2	Analyzed By:	PSW
Client Project ID:	North State Milling Property	Date Collected:	7/13/2005 11:25
Lab Sample ID:	G161-2070-2	Date Received:	7/14/05
Lab Project ID:	G161-2070	Matrix:	WATER
Batch ID:	3257 3249		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	BQL	0.0100	1	MG/L	6010B	7/19/05
Barium	**0.301**	0.100	1	MG/L	6010B	7/19/05
Cadmium	BQL	0.0100	1	MG/L	6010B	7/19/05
Chromium	**0.0197**	0.0100	1	MG/L	6010B	7/19/05
Lead	**0.0267**	0.0100	1	MG/L	6010B	7/19/05
Mercury	BQL	0.000250	1	MG/L	7470	7/18/05
Selenium	BQL	0.0200	1	MG/L	6010B	7/19/05
Silver	BQL	0.0100	1	MG/L	6010B	7/19/05

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3.3

Results for Metals

Client Sample ID:	NSMW-3	Analyzed By:	PSW
Client Project ID:	North State Milling Property	Date Collected:	7/13/2005 13:20
Lab Sample ID:	G161-2070-3	Date Received:	7/14/05
Lab Project ID:	G161-2070	Matrix:	WATER
Batch ID:	3257 3249		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	BQL	0.0100	1	MG/L	6010B	7/19/05
Barium	**0.160**	0.100	1	MG/L	6010B	7/19/05
Cadmium	BQL	0.0100	1	MG/L	6010B	7/19/05
Chromium	**0.0204**	0.0100	1	MG/L	6010B	7/19/05
Lead	**0.0126**	0.0100	1	MG/L	6010B	7/19/05
Mercury	BQL	0.000250	1	MG/L	7470	7/18/05
Selenium	BQL	0.0200	1	MG/L	6010B	7/19/05
Silver	BQL	0.0100	1	MG/L	6010B	7/19/05

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____

MET_LIMS_3 3

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	PSW
Client Project ID:		Date Collected:	
Lab Sample ID:	pb3249	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	3249		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Mercury	BQL	0.000250	1	MG/L	7470	7/18/05

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3 3

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	PSW
Client Project ID:		Date Collected:	
Lab Sample ID:	pb3257	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	3257		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	BQL	0.0100	1	MG/L	6010B	7/19/05
Barium	BQL	0.100	1	MG/L	6010B	7/19/05
Cadmium	BQL	0.0100	1	MG/L	6010B	7/19/05
Chromium	BQL	0.0100	1	MG/L	6010B	7/19/05
Lead	BQL	0.0100	1	MG/L	6010B	7/21/05
Selenium	BQL	0.0200	1	MG/L	6010B	7/21/05
Silver	BQL	0.0100	1	MG/L	6010B	7/19/05

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3 3

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	RML
Client Project ID:		Date Collected:	
Lab Sample ID:	pb3246	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	3246		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	5.00	25	UG/L	6020	7/21/05

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3 3

MS/MSD Results for METALS

Lab ID: G161-2070-2
MS Lab ID: G161-2070-2
MSD Lab ID: G161-2070-2
ICP Batch: 3257
HG Batch: 3249
Other:

Analyzed By: PSW
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
Arsenic	BQL	0.400	0.393	98.3	0.400	0.397	99.3	75	125	1.01	20
Barium	0.301	2.00	2.14	92.0	2.00	2.17	93.5	75	125	1.39	20
Cadmium	BQL	0.400	0.371	92.8	0.400	0.374	93.5	75	125	0.805	20
Chromium	0.0197	0.400	0.393	93.3	0.400	0.401	95.3	75	125	2.02	20
Lead	0.0267	0.400	0.407	95.1	0.400	0.410	95.8	75	125	0.734	20
Mercury	BQL	0.00625	0.00576	92.2	0.00625	0.00562	89.9	75	125	2.46	20
Selenium	BQL	0.400	0.377	94.3	0.400	0.391	97.7	75	125	3.65	20
Silver	BQL	0.400	0.361	90.2	0.400	0.368	92.0	75	125	1.92	20

Comments

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

Reviewed By: DW

MS/MSD Results for METALS

Lab ID: G460-26-3
MS Lab ID: G460-26-3
MSD Lab ID: G460-26-3
ICP Batch: 3246
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	BQL	0.400	0.357	89.3	0.400	0.365	91.3	75	125	2.2161	20

Comments

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

Reviewed By: RMB

METALS Results for LCS/LCD

ICP Batch:
HG Batch: 3249
Other:

Matrix: WATER
Units: MG/L

Analyte	TRUE Value	LCS	LCS %REC		LCD	LCD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Mercury	0.00625	0.00629	101		0.00631	101		80	120	0.317		20

Reviewed By: _____

METALS Results for LCS/LCD

ICP Batch: 3257
HG Batch:
Other:

Matrix: WATER
Units: MG/L

Analyte	TRUE Value	LCS	LCS %REC	LCD	LCD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Arsenic	0.400	0.405	101	0.408	102	80	120	0.738	20
Barium	2.00	1.91	95.5	1.93	96.5	80	120	1.04	20
Cadmium	0.400	0.382	95.5	0.385	96.2	80	120	0.782	20
Chromium	0.400	0.389	97.3	0.392	98.0	80	120	0.768	20
Lead	0.400	0.395	98.7	0.401	100	80	120	1.51	20
Selenium	0.400	0.387	96.8	0.380	95.0	80	120	1.83	20
Silver	0.400	0.358	89.5	0.365	91.3	80	120	1.94	20

Reviewed By: ____

METALS Results for LCS/LCD

ICP Batch: 3246
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	0.347	86.7	0.342	85.5	80	120	1.45	20

Reviewed By: [illegible]

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: Paradigm Analytical Initial Cal Source Environmental Express

Batch ID: 071805a Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	2500			2500			2500			90-110
Antimony	500			500			500			90-110
Arsenic	500			500			500			90-110
Barium	2500			2500			2500			90-110
Beryllium	500			500			500			90-110
Cadmium	500			500			500			90-110
Calcium	2500			2500			2500			90-110
Chromium	500			500			500			90-110
Cobalt	500			500			500			90-110
Copper	500			500			500			90-110
Iron	2500			2500			2500			90-110
Lead	500			500			500			90-110
Magnesium	2500			2500			2500			90-110
Manganese	500			500			500			90-110
Mercury	10	9.84	98.4	5	4.81	96.3	5	4.79	95.8	90-110
Nickel	500			500			500			90-110
Potassium	2500			2500			2500			90-110
Selenium	500			500			500			90-110
Silver	500			500			500			90-110
Sodium	2500			2500			2500			90-110
Thallium	500			500			500			90-110
Vanadium	500			500			500			90-110
Zinc	500			500			500			90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: Paradigm Analytical Initial Cal Source Environmental Express

Batch ID: 071905b OES Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)				LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC		REC.
Aluminum	5000	5038	100.8	2500	2552	102.1	2500	2515	100	6	90-110
Antimony	200			500			500				90-110
Arsenic	1000	1065	106.5	500	525	104.9	500	528	105	6	90-110
Barium	5000	5084	101.7	2500	2536	101.4	2500	2459	98	3	90-110
Beryllium	1000			500			500				90-110
Cadmium	250	254	101.4	500	509	101.8	500	498	99	6	90-110
Calcium	500	5164	1032.7	2500	2578	103.1	2500	2472	98	9	90-110
Chromium	1000	1015	101.5	500	506	101.2	500	494	98	7	90-110
Cobalt	1000			500			500				90-110
Copper	1000			500			500				90-110
Iron	1000	994	99.4	2500	2496	99.9	2500	2456	98	2	90-110
Lead	1000	1017	101.7	500	513	102.6	500	502	100	5	90-110
Magnesium	1000	974	97.4	2500	2526	101.1	2500	2469	98	8	90-110
Manganese	1000			500			500				90-110
Nickel	1000			500			500				90-110
Potassium	1000			2500			2500				90-110
Selenium	250	263	105.0	500	503	100.6	500	501	100	2	90-110
Silver	100	96	95.6	500	509	101.8	500	506	101	2	90-110
Sodium	5000	5142	102.8	2500	2512	100.5	2500	2499	100	0	90-110
Thallium	200			500			500				90-110
Vanadium	2500			500			500				90-110
Zinc	1000			500			500				90-110

Comments:

FORM IIA - METALS

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: Paradigm Analytical Initial Cal Source: Environmental Express

Batch ID: 072105a MS Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV (4)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	200	230.00	115.0	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	4524.65	90.5	500	13.59	2.7	500	14.00	2.8	90-110
Chromium	10			5			5			90-110
Cobalt	50			5			5			90-110
Copper	25			5			5			90-110
Iron	100	103.14	103.1	500			500	3.24	0.6	90-110
Lead	5	4.85	96.9	5	5.01	100.2	5	5.12	102.3	90-110
Magnesium	5000	4680.24	93.6	500			500	0.15	0.0	90-110
Manganese	15			5			5			90-110
Nickel	40			5			5			90-110
Potassium	5000	4953.20	99.1	500	1.36	0.3	500	2.13	0.4	90-110
Selenium	5			5			5			90-110
Silver	10			5			5			90-110
Sodium	5000	4809.61	96.2	500	0.34	0.1	500	0.94	0.2	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: 071805a Hg

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	1	C	2	C	3	C		
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead										
Magnesium										
Manganese										
Mercury	0.2	U	0.2	U						
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Thallium										
Vanadium										
Zinc										

Comments:

FORM III - METALS

3
BLANKS

Lab Name: Paradigm Analytical

Batch ID: 071905b OES

Analyte	Initial Calib Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C		C		C		
Aluminum	100	U	100	U						
Antimony										
Arsenic	10	U	10	U						
Barium	100	U	100	U						
Beryllium										
Cadmium	5	U	5	U						
Calcium	200	U	200	U						
Chromium	10	U	10	U						
Cobalt										
Copper										
Iron	100	U	100	U						
Lead	10	U	10	U						
Magnesium	200	U	200	U						
Manganese										
Mercury										
Nickel										
Potassium										
Selenium	20	U	20	U						
Silver	10	U	10	U						
Sodium	200	U	200	U						
Thallium										
Vanadium										
Zinc										

Comments:

FORM III - METALS

3
BLANKS

Lab Name: Paradigm Analytical

Batch ID: 072105a 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	10	U	10.098	#	10	U			
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

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Paradigm Analytical ICS Source: Environmental Express

Batch ID: 071905b ICP ID Number: ICP1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	%R	Final Found Sol. A	Final Found Sol. B	%R
Aluminum	100000	100000	101132	102988	103.0	106445	109185	109.2
Antimony	0	300	0	0	0.0	0	0	0.0
Arsenic	0	300	-0.73	310.69	103.6	-2.82	331.49	110.5
Barium	0	1000	-0.42	989.84	99.0	0.3	1022.5	102.3
Beryllium	0	300	0	0	0.0	0	0	0.0
Cadmium	0	300	1.94	297.1	99.0	1.67	299.89	100.0
Calcium	40000	40000	40863.3	41446.1	103.6	40885.3	42594.1	106.5
Chromium	0	300	2.66	293.55	97.9	4.3	307.53	102.5
Cobalt	0	300	0	0	0.0	0	0	0.0
Copper	0	300	0	0	0.0	0	0	0.0
Iron	100000	100000	101540	103523	103.5	102195	106039	106.0
Lead	0	300	1.46	307.07	102.4	2.37	323.11	107.7
Magnesium	40000	40000	39943.5	40765.7	101.9	41218.2	42439.2	106.1
Manganese	0	300	0	0	0.0	0	0	0.0
Nickel	0	300	0	0	0.0	0	0	0.0
Potassium	0	0	0	0	n/a	0	0	n/a
Selenium	0	300	8.83	308.85	103.0	7.66	316.85	105.6
Silver	0	300	-3	288.45	96.2	-2.12	300.18	100.1
Sodium	0	0	-6.87	-7.08	n/a	1167.24	789.66	n/a
Thallium	0	300	0	0	0.0	0	0	0.0
Vanadium	0	300	0	0	0.0	0	0	0.0
Zinc	0	300	0	0	0.0	0	0	0.0

FORM IV - METALS

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Paradigm Analytical ICS Source: Environmental Express

Batch ID: 072105a ICP ID Number: ICPMS 1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	%R	Final Found Sol. A	Final Found Sol. B	%R
Aluminum	5000	5000	4713.09	5230.26	104.6	4707.11	5203.41	104.1
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	4524.5	5046.83	100.9	4603.14	4945.51	98.9
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	4727.75	4514.31	90.3	4701.97	4493.81	89.9
Lead	0	3	0.021	3.041	101.4	0.02	3.132	104.4
Magnesium	5000	5000	4602.74	5130.31	102.6	4515.94	5078.37	101.6
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	4918.84	5419.85	n/a	4970.27	5390.64	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	4783.8	5287.51	n/a	4679.7	5276.74	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

Results for Semivolatiles by GCMS 625-BN

Client Sample ID: NSMW-1
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-1L
Lab Project ID: G161-2070

Analyzed By: MRC
Date Collected: 7/13/2005 10:35
Date Received: 7/14/2005
Date Extracted: 7/15/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	7/16/2005
Acenaphthylene	BQL	10.0	1	7/16/2005
Anthracene	BQL	10.0	1	7/16/2005
Benzo[a]anthracene	BQL	10.0	1	7/16/2005
Benzo[a]pyrene	BQL	10.0	1	7/16/2005
Benzo[b]fluoranthene	BQL	10.0	1	7/16/2005
Benzo[g,h,i]perylene	BQL	10.0	1	7/16/2005
Benzo[k]fluoranthene	BQL	10.0	1	7/16/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	7/16/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	7/16/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	7/16/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	7/16/2005
4-bromophenyl phenyl ether	BQL	10.0	1	7/16/2005
Butylbenzylphthalate	BQL	10.0	1	7/16/2005
2-Chloronaphthalene	BQL	10.0	1	7/16/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	7/16/2005
Chrysene	BQL	10.0	1	7/16/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	7/16/2005
Di-n-Butylphthalate	BQL	10.0	1	7/16/2005
1,2-Dichlorobenzene	BQL	10.0	1	7/16/2005
1,3-Dichlorobenzene	BQL	10.0	1	7/16/2005
1,4-Dichlorobenzene	BQL	10.0	1	7/16/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	7/16/2005
Diethylphthalate	BQL	10.0	1	7/16/2005
Dimethylphthalate	BQL	10.0	1	7/16/2005
Di-n-octylphthalate	BQL	10.0	1	7/16/2005
2,4-Dinitrotoluene	BQL	10.0	1	7/16/2005
2,6-Dinitrotoluene	BQL	10.0	1	7/16/2005
Diphenylamine *	BQL	10.0	1	7/16/2005
Fluoranthene	BQL	10.0	1	7/16/2005
Fluorene	BQL	10.0	1	7/16/2005
Hexachlorobenzene	BQL	10.0	1	7/16/2005
Hexachlorobutadiene	BQL	10.0	1	7/16/2005
Hexachlorocyclopentadiene	BQL	20.0	1	7/16/2005
Hexachloroethane	BQL	10.0	1	7/16/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	7/16/2005
Isophorone	BQL	10.0	1	7/16/2005
Naphthalene	BQL	10.0	1	7/16/2005
Nitrobenzene	BQL	10.0	1	7/16/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	7/16/2005
Phenanthrene	BQL	10.0	1	7/16/2005
Pyrene	BQL	10.0	1	7/16/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: NSMW-1
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-1L
Lab Project ID: G161-2070

Analyzed By: MRC
Date Collected: 7/13/2005 10:35
Date Received: 7/14/2005
Date Extracted: 7/15/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	7/16/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.5	95
Nitrobenzene-d5	10	9.6	96
4-Terphenyl-d14	10	12.7	127

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:	NSMW-1	Analyzed By:	MRC
Client Project ID:	North State Milling Property	Date Collected:	7/13/2005 10:35
Lab Sample ID:	G161-2070-1L	Date Received:	7/14/2005
Lab Project ID:	G161-2070	Date Extracted:	7/15/2005
Sample Wt/Vol:	500 ML	Date Analyzed:	7/16/2005
Dilution:	1	Matrix:	Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know Compound peak (added by lab)	11.01			159
2	Know Solvent peak (added by lab)	3.08			96.5
3	Know Compound peak (added by lab)	11.45			5.31
4	Unknown	7.35			5.08
5					
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: PW

Results for Semivolatiles by GCMS 625-BN

Client Sample ID: NSMW-2
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-2J
Lab Project ID: G161-2070

Analyzed By: MRC
Date Collected: 7/13/2005 11:25
Date Received: 7/14/2005
Date Extracted: 7/15/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	7/16/2005
Acenaphthylene	BQL	10.0	1	7/16/2005
Anthracene	BQL	10.0	1	7/16/2005
Benzo[a]anthracene	BQL	10.0	1	7/16/2005
Benzo[a]pyrene	BQL	10.0	1	7/16/2005
Benzo[b]fluoranthene	BQL	10.0	1	7/16/2005
Benzo[g,h,i]perylene	BQL	10.0	1	7/16/2005
Benzo[k]fluoranthene	BQL	10.0	1	7/16/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	7/16/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	7/16/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	7/16/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	7/16/2005
4-bromophenyl phenyl ether	BQL	10.0	1	7/16/2005
Butylbenzylphthalate	BQL	10.0	1	7/16/2005
2-Chloronaphthalene	BQL	10.0	1	7/16/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	7/16/2005
Chrysene	BQL	10.0	1	7/16/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	7/16/2005
Di-n-Butylphthalate	BQL	10.0	1	7/16/2005
1,2-Dichlorobenzene	BQL	10.0	1	7/16/2005
1,3-Dichlorobenzene	BQL	10.0	1	7/16/2005
1,4-Dichlorobenzene	BQL	10.0	1	7/16/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	7/16/2005
Diethylphthalate	BQL	10.0	1	7/16/2005
Dimethylphthalate	BQL	10.0	1	7/16/2005
Di-n-octylphthalate	BQL	10.0	1	7/16/2005
2,4-Dinitrotoluene	BQL	10.0	1	7/16/2005
2,6-Dinitrotoluene	BQL	10.0	1	7/16/2005
Diphenylamine *	BQL	10.0	1	7/16/2005
1,4-Dioxane	BQL	5.00	1	7/19/2005
Fluoranthene	BQL	10.0	1	7/16/2005
Fluorene	BQL	10.0	1	7/16/2005
Hexachlorobenzene	BQL	10.0	1	7/16/2005
Hexachlorobutadiene	BQL	10.0	1	7/16/2005
Hexachlorocyclopentadiene	BQL	20.0	1	7/16/2005
Hexachloroethane	BQL	10.0	1	7/16/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	7/16/2005
Isophorone	BQL	10.0	1	7/16/2005
Naphthalene	BQL	10.0	1	7/16/2005
Nitrobenzene	BQL	10.0	1	7/16/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	7/16/2005
Phenanthrene	BQL	10.0	1	7/16/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: NSMW-2
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-2J
Lab Project ID: G161-2070

Analyzed By: MRC
Date Collected: 7/13/2005 11:25
Date Received: 7/14/2005
Date Extracted: 7/15/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Pyrene	BQL	10.0	1	7/16/2005
1,2,4-Trichlorobenzene	BQL	10.0	1	7/16/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.3	83
Nitrobenzene-d5	10	8.3	83
4-Terphenyl-d14	10	12.4	124

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: BNP

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID:	NSMW-2	Analyzed By:	MRC
Client Project ID:	North State Milling Property	Date Collected:	7/13/2005 11:25
Lab Sample ID:	G161-2070-2J	Date Received:	7/14/2005
Lab Project ID:	G161-2070	Date Extracted:	7/15/2005
Sample Wt/Vol:	500 ML	Date Analyzed:	7/16/2005
Dilution:	1	Matrix:	Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know Compound peak (added by lab)	11.01			163
2	Know Solvent peak (added by lab)	3.08			100
3					
4					
5					
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: RW

Results for Semivolatiles by GCMS 625-BN

Client Sample ID: NSMW-3
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-3G
Lab Project ID: G161-2070

Analyzed By: MRC
Date Collected: 7/13/2005 13:20
Date Received: 7/14/2005
Date Extracted: 7/15/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	7/16/2005
Acenaphthylene	BQL	10.0	1	7/16/2005
Anthracene	BQL	10.0	1	7/16/2005
Benzo[a]anthracene	BQL	10.0	1	7/16/2005
Benzo[a]pyrene	BQL	10.0	1	7/16/2005
Benzo[b]fluoranthene	BQL	10.0	1	7/16/2005
Benzo[g,h,i]perylene	BQL	10.0	1	7/16/2005
Benzo[k]fluoranthene	BQL	10.0	1	7/16/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	7/16/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	7/16/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	7/16/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	7/16/2005
4-bromophenyl phenyl ether	BQL	10.0	1	7/16/2005
Butylbenzylphthalate	BQL	10.0	1	7/16/2005
2-Chloronaphthalene	BQL	10.0	1	7/16/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	7/16/2005
Chrysene	BQL	10.0	1	7/16/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	7/16/2005
Di-n-Butylphthalate	BQL	10.0	1	7/16/2005
1,2-Dichlorobenzene	BQL	10.0	1	7/16/2005
1,3-Dichlorobenzene	BQL	10.0	1	7/16/2005
1,4-Dichlorobenzene	BQL	10.0	1	7/16/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	7/16/2005
Diethylphthalate	BQL	10.0	1	7/16/2005
Dimethylphthalate	BQL	10.0	1	7/16/2005
Di-n-octylphthalate	BQL	10.0	1	7/16/2005
2,4-Dinitrotoluene	BQL	10.0	1	7/16/2005
2,6-Dinitrotoluene	BQL	10.0	1	7/16/2005
Diphenylamine *	BQL	10.0	1	7/16/2005
1,4-Dioxane	BQL	5.00	1	7/19/2005
Fluoranthene	BQL	10.0	1	7/16/2005
Fluorene	BQL	10.0	1	7/16/2005
Hexachlorobenzene	BQL	10.0	1	7/16/2005
Hexachlorobutadiene	BQL	10.0	1	7/16/2005
Hexachlorocyclopentadiene	BQL	20.0	1	7/16/2005
Hexachloroethane	BQL	10.0	1	7/16/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	7/16/2005
Isophorone	BQL	10.0	1	7/16/2005
Naphthalene	BQL	10.0	1	7/16/2005
Nitrobenzene	BQL	10.0	1	7/16/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	7/16/2005
Phenanthrene	BQL	10.0	1	7/16/2005

Results for Semivolatiles by GCMS 625-BN

Client Sample ID: NSMW-3
Client Project ID: North State Milling Property
Lab Sample ID: G161-2070-3G
Lab Project ID: G161-2070

Analyzed By: MRC
Date Collected: 7/13/2005 13:20
Date Received: 7/14/2005
Date Extracted: 7/15/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Pyrene	BQL	10.0	1	7/16/2005
1,2,4-Trichlorobenzene	BQL	10.0	1	7/16/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.4	94
Nitrobenzene-d5	10	9.4	94
4-Terphenyl-d14	10	13.7	137

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: RW

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID:	NSMW-3	Analyzed By:	MRC
Client Project ID:	North State Milling Property	Date Collected:	7/13/2005 13:20
Lab Sample ID:	G161-2070-3G	Date Received:	7/14/2005
Lab Project ID:	G161-2070	Date Extracted:	7/15/2005
Sample Wt/Vol:	500 ML	Date Analyzed:	7/16/2005
Dilution:	1	Matrix:	Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know Compound peak (added by lab)	11.01			149
2	Know Solvent peak (added by lab)	3.08			113
3	Unknown	10.12			13.2
4					
5					
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: _____

Results for Semivolatiles by GCMS 625-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3238
Lab Project ID:

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/15/2005
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	7/15/2005
Acenaphthylene	BQL	10.0	1	7/15/2005
Anthracene	BQL	10.0	1	7/15/2005
Benzo[a]anthracene	BQL	10.0	1	7/15/2005
Benzo[a]pyrene	BQL	10.0	1	7/15/2005
Benzo[b]fluoranthene	BQL	10.0	1	7/15/2005
Benzo[g,h,i]perylene	BQL	10.0	1	7/15/2005
Benzo[k]fluoranthene	BQL	10.0	1	7/15/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	7/15/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	7/15/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	7/15/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	7/15/2005
4-bromophenyl phenyl ether	BQL	10.0	1	7/15/2005
Butylbenzylphthalate	BQL	10.0	1	7/15/2005
2-Chloronaphthalene	BQL	10.0	1	7/15/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	7/15/2005
Chrysene	BQL	10.0	1	7/15/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	7/15/2005
Di-n-Butylphthalate	BQL	10.0	1	7/15/2005
1,2-Dichlorobenzene	BQL	10.0	1	7/15/2005
1,3-Dichlorobenzene	BQL	10.0	1	7/15/2005
1,4-Dichlorobenzene	BQL	10.0	1	7/15/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	7/15/2005
Diethylphthalate	BQL	10.0	1	7/15/2005
Dimethylphthalate	BQL	10.0	1	7/15/2005
Di-n-octylphthalate	BQL	10.0	1	7/15/2005
2,4-Dinitrotoluene	BQL	10.0	1	7/15/2005
2,6-Dinitrotoluene	BQL	10.0	1	7/15/2005
Diphenylamine *	BQL	10.0	1	7/15/2005
Fluoranthene	BQL	10.0	1	7/15/2005
Fluorene	BQL	10.0	1	7/15/2005
Hexachlorobenzene	BQL	10.0	1	7/15/2005
Hexachlorobutadiene	BQL	10.0	1	7/15/2005
Hexachlorocyclopentadiene	BQL	20.0	1	7/15/2005
Hexachloroethane	BQL	10.0	1	7/15/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	7/15/2005
Isophorone	BQL	10.0	1	7/15/2005
Naphthalene	BQL	10.0	1	7/15/2005
Nitrobenzene	BQL	10.0	1	7/15/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	7/15/2005
Phenanthrene	BQL	10.0	1	7/15/2005
Pyrene	BQL	10.0	1	7/15/2005

Results for Semivolatiles by GCMS 625-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3238
Lab Project ID:

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 7/15/2005
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	7/15/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.2	102
Nitrobenzene-d5	10	10.2	102
4-Terphenyl-d14	10	12.8	128

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	Analyzed By:	MRC
Client Project ID:		Date Collected:	
Lab Sample ID:	PB3238	Date Received:	
Lab Project ID:		Date Extracted:	7/15/2005
Sample Wt/Vol:	500 ML	Date Analyzed:	7/16/2005
Dilution:	1	Matrix:	Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know Solvent peak (added by lab)	3.09			137
2	Know Compound peak (added by lab)	11.01			134
3					
4					
5					
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: _____

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-3238-MS/MSD/LCS
Lab Project ID:
Matrix: WATER
Prep Method: 3520

Date Collected:
Date Received:
Date Extracted: 07/15/05
Date Analyzed: 07/16/05
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	214	241	112	214	227	106.0	5.78	30	62.0-119
4-Chloro-3-methylphenol	BQL	214	200	93.1	214	191	88.9	4.62	30	67.0-98.0
2-Chlorophenol	BQL	214	177	82.3	214	182	85.0	3.23	30	53.0-111
1,4-Dichlorobenzene	BQL	214	98.5	45.9	214	103	48.2	4.89	30	29.0-86.0
2,4-Dinitrotoluene	BQL	214	242	113*	214	225	105*	6.98	30	63.0-103
N-Nitrosodi-n-propylamine	BQL	214	237	110*	214	231	108*	2.29	30	67.0-107
4-Nitrophenol	BQL	214	176	82.1	214	158	73.9	10.5	30	49.0-146
Pentachlorophenol	BQL	214	166	77.5	214	159	74.0	4.62	30	43.0-106
Phenol	BQL	214	202	94.4	214	200	93.1	1.39	30	61.0-100
Pyrene	BQL	214	270	126*	214	248	115.0	8.46	30	41.0-123
1,2,4-Trichlorobenzene	BQL	214	165	77.0	214	166	77.3	0.389	30	41.0-96.0

	Spiked Amount (µg/L)	LCS Conc. (µg/L)	LCS Spike %	QC Limits % Rec.
Acenaphthylene	100	120	114	66.1-116
4-Chloro-3-methylphenol	100	97.1	97.1	64.3-97.6
2-Chlorophenol	100	89.8	89.8	56.9-93.4
1,4-Dichlorobenzene	100	47.7	47.7	20.6-82.8
2,4-Dinitrotoluene	100	117	105	63.7-106
N-Nitrosodi-n-propylamine	100	120	102	62.6-108
4-Nitrophenol	100	75.9	75.9	53.7-125
Pentachlorophenol	100	73.6	73.6	37.0-102
Phenol	100	95.7	95.7	57.4-99.5
Pyrene	100	127	122	44.1-124
1,2,4-Trichlorobenzene	100	80.8	80.8	37.6-97.9

Comments:

Concentrations reflect the spiked sample amounts.

Flags:

* = Out of limits.
NA = Not applicable.

Reviewed By: RNP

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) #				TOT OUT
01	NSMW-1	96	95	127				0
02	G161-2070-3H MS	92.0	110	97.0				0
03	G161-2070-3I MSD	93.0	96.0	95.0				0
04	LCS3238	10.0	117.0	103.0				0
05	PB3238	102	102	128				0
06	NSMW-2	83	83	124				0
07	NSMW-3	94	94	137				0
08								
09								
10								
11								
12								
13								
14								
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25								
26								
27								
28								
29								
30								

	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 VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Contract:

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

Matrix Spike - EPA Sample No.: G161-2070-3G

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	214	147	68.6	214	151	70.2	2.30	30	26.0-95.0
Hexachlorocyclopentadiene	BQL	214	109	51.0	214	82.8	38.6	27.7	30	10.0-113
Hexachloroethane	BQL	214	89.9	41.9	214	92.7	43.2	3.06	30	15.0-96.0
Indeno(1,2,3-c,d)pyrene	BQL	214	162	75.3	214	149	69.3	8.30	30	34.0-111
Isophorone	BQL	214	250	117 *	214	244	114 *	2.60	30	65.0-112
1-Methylnaphthalene	BQL	214	201	93.6	214	195	91.0	2.82	30	48.0-121
2-Methylnaphthalene	BQL	214	180	83.9	214	178	83.0	1.08	30	45.0-121
2-Methylphenol	BQL	214	194	90.4	214	192	89.5	1.00	30	62.0-99.0
4-Methylphenol	BQL	429	343	79.9	429	339	79.0	1.07	30	51.0-102
N-Nitrosodi-n-propylamine	BQL	214	237	110 *	214	231	108 *	2.29	30	67.0-107
Diphenylamine	BQL	214	321	150 *	214	304	142 *	5.49	30	24.0-114
Naphthalene	BQL	214	181	84.3	214	182	84.7	0.473	30	25.0-131
2-Nitroaniline	BQL	214	121	56.2	214	153	71.3	23.7	30	54.0-135
3-Nitroaniline	BQL	214	276	129	214	285	133	3.14	30	10.0-594
4-Nitroaniline	BQL	214	95.9	44.7	214	110	51.4	13.9	30	30.0-153
Nitrobenzene	BQL	214	261	122 *	214	258	120 *	0.909	30	57.0-98.0
2-Nitrophenol	BQL	214	192	89.7	214	192	89.7	0.00	30	50.0-97.0
4-Nitrophenol	BQL	214	176	82.1	214	158	73.9	10.5	30	49.0-146
Pentachlorophenol	BQL	214	166	77.5	214	159	74.0	4.62	30	43.0-106
Phenanthrene	BQL	214	226	105	214	214	99.5	5.47	30	53.0-108
Phenol	BQL	214	202	94.4	214	200	93.1	1.39	30	61.0-100
Pyrene	BQL	214	270	126 *	214	248	115	8.46	30	41.0-123
1,2,4-Trichlorobenzene	BQL	214	165	77.0	214	166	77.3	0.389	30	41.0-96.0
2,4,5-Trichlorophenol	BQL	214	196	91.4	214	189	88.0	3.79	30	62.0-100
2,4,6-Trichlorophenol	BQL	214	199	92.8	214	192	89.5	3.62	30	61.0-96.0

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: 25 out of 144 outside of limits

COMMENTS: _____

Paradigm Analytical Laboratories, INC.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB3238

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab File ID: 0715722.D Lab Sample ID: PB3238

Instrument ID: MSD7 Date Extracted: 07/15/05

Matrix: (soil/water) WATER Date Analyzed: 07/15/05

Level: (low/med) LOW Time Analyzed: 22:46

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	G161-2070-3H MS	G161-2070-3H MS	0715724.D	07/15 23:56
02	G161-2070-3I MSD	G161-2070-3I MSD	0715725.D	07/16 00:32
03	NSMW-1	G161-2070-1L	0715732.D	07/16 04:35
04	NSMW-2	G161-2070-2J	0715733.D	07/16 05:09
05	NSMW-3	G161-2070-3G	0715734.D	07/16 05:43
06				
07				
08				
09				
10				
11				
12				
13				
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36				

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: 0715701.D DFTPP Injection Date: 07/15/05

Instrument ID: MSD7 DFTPP Injection Time: 10:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	34.2
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	44.6
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	23.1
365	Greater than 0.75% of mass 198	2.6
441	Present, but less than mass 443	74.6
442	40.0 - 100.0% of mass 198	89.0
443	17.0 - 23.0% of mass 442	19.3

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	0715703.D	07/15/05	11:53
02	PB3238	PB3238	0715722.D	07/15/05	22:46
03	LCS3238	LCS3238	0715723.D	07/15/05	23:21
04	G161-2070-3H MS	G161-2070-3H MS	0715724.D	07/15/05	23:56
05	G161-2070-3I MSD	G161-2070-3I MSD	0715725.D	07/16/05	00:32
06	NSMW-1	G161-2070-1L	0715732.D	07/16/05	04:35
07	NSMW-2	G161-2070-2J	0715733.D	07/16/05	05:09
08	NSMW-3	G161-2070-3G	0715734.D	07/16/05	05:43
09	NSMW-3	G161-2070-3G	0715734.D	07/16/05	05:43
10					
11					
12					
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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
09					
10					
11					
12					
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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

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
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

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

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: 07/15/05 Time: 11:53

Lab File ID: 0715703.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	0.267		-7.2	
1,2-Dichlorobenzene	1.21	1.302		-7.2	
1,3-Dichlorobenzene	1.30	1.375		-6.2	
1,4-Dichlorobenzene	1.36	1.448		-6.4	20.0
1,4-Dichlorobenzene-D4	1.00	1.000		0.0	
1-Methylnaphthalene	1.12	1.202		-7.4	
2,4,5-Trichlorophenol	0.353	0.364		-3.1	
2,4,6-Trichlorophenol	0.323	0.338		-4.6	20.0
2,4-Dichlorophenol	0.228	0.235		-3.1	20.0
2,4-Dimethylphenol	0.250	0.252		-0.8	
2,4-Dinitrophenol	0.134	0.121	0.050	9.7	
2,4-Dinitrotoluene	0.311	0.328		-5.5	
2,6-Dinitrotoluene	0.239	0.257		-7.5	
2-Chloronaphthalene	0.975	1.056		-8.3	
2-Chlorophenol	1.23	1.279		-3.9	
2-Methylnaphthalene	0.614	0.661		-7.7	
2-Methylphenol	0.911	0.990		-8.7	
2-Nitroaniline	0.265	0.293		-10.6	
2-Nitrophenol	0.166	0.176		-6.0	20.0
3-, 4-Methylphenol	1.29	1.383		-7.0	
3-Nitroaniline	0.056	0.033		41.1	
4,6-Dinitro-2-methylphenol	0.102	0.099		2.9	
4-bromophenyl phenyl ether	0.170	0.189		-11.2	
4-Chloro-3-methylphenol	0.230	0.238		-3.5	20.0
4-Chloroaniline	0.091	0.079		13.2	
4-Chlorophenyl phenyl ether	0.513	0.546		-6.4	
4-Nitroaniline	0.107	0.114		-6.5	
4-Nitrophenol	0.091	0.080	0.050	12.1	
Acenaphthene	0.990	1.076		-8.7	20.0
Acenaphthene-d10	1.00	1.000		0.0	
Acenaphthylene	1.43	1.601		-11.6	
Aldrin	0.125	0.134		-7.2	
alpha-BHC	0.119	0.131		-10.1	
Anthracene	0.966	1.044		-8.1	
Azobenzene	0.683	0.753		-10.2	
Benzoic Acid	0.141	0.099		29.8	
Benzo[a]anthracene	1.17	1.210		-3.2	
Benzo[a]pyrene	1.04	1.130		-8.5	20.0
Benzo[b]fluoranthene	1.29	1.327		-2.9	
Benzo[k]fluoranthene	1.39	1.654		-19.0	

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: MSD7 Calibration Date: 07/15/05 Time: 11:53

Lab File ID: 0715703.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	0.797		-8.7	
beta-BHC	0.102	0.109		-6.9	
Bis(2-chloroethoxy)methane	0.318	0.345		-8.5	
Bis(2-chloroethyl)ether	1.212	1.257		-3.7	
Bis(2-chloroisopropyl)ether	1.735	1.950		-12.4	
Bis(2-ethylhexyl)phthalate	1.163	1.152		0.9	
Butylbenzylphthalate	0.822	0.867		-5.5	
Carbazole	0.388	0.000#		100.0	
Chrysene	1.098	1.167		-6.3	
Chrysene-D12	1.000	1.000		0.0	
delta-BHC	0.095	0.099		-4.2	
Di-n-Butylphthalate	1.169	1.255		-7.4	
Di-n-octylphthalate	2.715	2.949		-8.6	20.0
Dibenzofuran	1.477	1.562		-5.8	
Dibenzo[a,h]anthracene	0.583	0.507		13.0	
Dieldrin	0.166	0.168		-1.2	
Diethylphthalate	1.094	1.157		-5.8	
Dimethylphthalate	1.113	1.172		-5.3	
Diphenylamine	0.350	0.414		-18.3	
Endosulfan I	0.031	0.034		-9.7	
Endosulfan II	0.000	0.000#		0.0	
Endosulfan Sulfate	0.046	0.043		6.5	
Endrin	0.029	0.031		-6.9	
Endrin Aldehyde	0.000	0.000#		0.0	
Endrin Ketone	0.038	0.032		15.8	
Fluoranthene	0.927	0.962		-3.8	20.0
Fluorene	1.081	1.156		-6.9	
gamma-BHC	0.106	0.112		-5.7	
Heptachlor	0.122	0.133		-9.0	
Heptachlor Epoxide	0.052	0.052		0.0	
Hexachlorobenzene	0.176	0.189		-7.4	
Hexachlorobutadiene	0.123	0.135		-9.8	20.0
Hexachlorocyclopentadiene	0.072	0.054	0.050	25.0	
Hexachloroethane	0.430	0.480		-11.6	
Indeno(1,2,3-c,d)pyrene	0.595	0.521		12.4	
Isophorone	0.430	0.456		-6.0	
Methoxychlor	0.471	0.446		5.3	
N-Nitrosodi-n-propylamine	0.628	0.691		-10.0	
N-Nitrosodimethylamine	0.579	0.632		-9.2	
Naphthalene	0.806	0.860		-6.7	

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: 07/15/05 Time: 11:53

Lab File ID: 0715703.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	0.301		-9.5	
Pentachlorophenol	0.095	0.088		7.4	20.0
Perylene-D12	1.000	1.000		0.0	
Phenanthrene	1.006	1.075		-6.9	
Phenanthrene-D10	1.000	1.000		0.0	
Phenol	1.560	1.706		-9.4	20.0
Pyrene	1.476	1.753		-18.8	
Pyridine	0.777	0.885		-13.9	
2,4,6-Tribromophenol	0.123	0.119		3.3	
2-Fluorobiphenyl	1.11	1.201		-8.6	
2-Fluorophenol	0.921	0.960		-4.2	
4-Terphenyl-d14	1.00	1.138		-13.8	
Nitrobenzene-d5	0.128	0.135		-5.5	
Phenol-d6	1.35	1.429		-5.5	

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: 07/15/05

Lab File ID (Standard): 0715703.D Time Analyzed: 11:53

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	187864	6.18	755124	8.08	370172	10.83
	UPPER LIMIT	375728	6.68	1510248	8.58	740344	11.33
	LOWER LIMIT	93932	5.68	377562	7.58	185086	10.33
	EPA SAMPLE						
01	G161-2070-3H MS	177094	6.18	713182	8.08	339839	10.84
02	G161-2070-3I MSD	169514	6.18	688429	8.08	332904	10.84
03	NSMW-3	168113	6.18	678423	8.08	335923	10.83
04	LCS3238	162806	6.18	666439	8.08	318750	10.84
05	PB3238	177015	6.18	688370	8.08	348043	10.83
06	NSMW-1	166283	6.18	659293	8.08	322248	10.83
07	NSMW-2	166995	6.18	679557	8.08	343967	10.83
08	NSMW-3	168113	6.18	678423	8.08	335923	10.83
09							
10							
11							
12							
13							
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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.: SVCVS6 Date Analyzed: 07/15/05
Lab File ID (Standard): 0715703.D Time Analyzed: 11:53
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	586725	13.19	315119	17.42	169826	19.53
	UPPER LIMIT	1173450	13.69	630238	17.92	339652	20.03
	LOWER LIMIT	293363	12.69	157560	16.92	84913	19.03
	EPA SAMPLE						
01	G161-2070-3H MS	537547	13.2	295488	17.42	170008	19.53
02	G161-2070-3I MSD	522153	13.2	295722	17.42	182619	19.53
03	NSMW-3	509276	13.19	246063	17.42	130959	19.53
04	LCS3238	509349	13.2	297263	17.42	178815	19.53
05	PB3238	535048	13.19	205070	17.42	96786	19.54
06	NSMW-1	496641	13.19	235290	17.42	130895	19.53
07	NSMW-2	522464	13.19	255807	17.42	139046	19.53
08	NSMW-3	509276	13.19	246063	17.42	130959	19.53
09							
10							
11							
12							
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26							
27							
28							
29							
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: LCS3238
Sample wt/vol: 5 (mL) Lab File ID: 0715723.D
Level: (low/med) LOW
% Moisture: NA Decanted:(Y/N) NA Date Analyzed: 07/15/05 23:21
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	113	113*	61.6-101
208-96-8	Acenaphthylene	100	120	120*	66.1-116
120-12-7	Anthracene	100	111	111*	48.7-94.6
56-55-3	Benzo[a]anthracene	100	106	106*	67.4-101
50-32-8	Benzo[a]pyrene	100	120	120*	41.6-102
205-99-2	Benzo[b]fluoranthene	100	109	109*	37.4-108
191-24-2	Benzo[g,h,i]perylene	100	112	112	42.0-113
207-08-9	Benzo[k]fluoranthene	100	128	128*	29.6-126
65-85-0	Benzoic Acid	100	37.6	37.6	29.5-107
100-51-6	Benzyl Alcohol	100	88.1	88.1	61.6-98.5
111-91-1	Bis(2-chloroethoxy)methane	100	107	107*	56.4-10.0
111-44-4	Bis(2-chloroethyl)ether	100	97.7	97.7*	44.6-93.2
108-60-1	Bis(2-chloroisopropyl)ether	100	103	103*	53.5-102
117-81-7	Bis(2-ethylhexyl)phthalate	100	100	100	47.2-121
101-55-3	4-bromophenyl phenyl ether	100	114	114*	42.1-110
85-68-7	Butylbenzylphthalate	100	108	108	52.8-120
106-47-8	4-Chloroaniline	100	125	125*	10.0-248
59-50-7	4-Chloro-3-methylphenol	100	97.1	97.1	64.3-97.6
91-58-7	2-Chloronaphthalene	100	107	107*	59.0-100
95-57-8	2-Chlorophenol	100	89.8	89.8	56.9-93.4
7005-72-3	4-Chlorophenyl phenyl ether	100	111	111*	64.4-106
218-01-9	Chrysene	100	115	115*	65.8-106
84-74-2	Di-n-Butylphthalate	100	116	116*	61.8-110
117-84-0	Di-n-octylphthalate	100	93.0	93.0	21.0-118
53-70-3	Dibenzo[a,h]anthracene	100	92.7	92.7	40.6-112
132-64-9	Dibenzofuran	100	100	100	69.2-103
95-50-1	1,2-Dichlorobenzene	100	55.7	55.7	24.2-91.0
541-73-1	1,3-Dichlorobenzene	100	45.0	45.0	18.0-84.5
106-46-7	1,4-Dichlorobenzene	100	47.7	47.7	20.6-82.8
91-94-1	3,3'-Dichlorobenzidine	100	89.8	89.8*	10.0-360
120-83-2	2,4-Dichlorophenol	100	92.3	92.3	57.9-96.6
84-66-2	Diethylphthalate	100	118	118*	65.8-102
105-67-9	2,4-Dimethylphenol	100	84.0	84.0	18.2-110
131-11-3	Dimethylphthalate	100	112	112*	60.2-99.5
534-52-1	4,6-Dinitro-2-methylphenol	100	105	105*	40.4-103
51-28-5	2,4-Dinitrophenol	100	103	103	40.5-106
121-14-2	2,4-Dinitrotoluene	100	117	117*	63.7-101
606-20-2	2,6-Dinitrotoluene	100	119	119*	61.6-99.2
206-44-0	Fluoranthene	100	116	116*	64.0-103
86-73-7	Fluorene	100	114	114*	67.2-102
118-74-1	Hexachlorobenzene	100	114	114*	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: LCS3238

Sample wt/vol: 5 (mL) — Lab File ID: 0715723.D

Level: (low/med) LOW

% Moisture: NA Decanted:(Y/N) NA — Date Analyzed: 07/15/05 23:21

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	71.0	71.0	26.0-94.3
77-47-4	Hexachlorocyclopentadiene	100	65.9	65.9*	10.0-126
67-72-1	Hexachloroethane	100	41.7	41.7*	10.0-89.9
193-39-5	Indeno(1,2,3-c,d)pyrene	100	78.3	78.3	42.8-105
78-59-1	Isophorone	100	127	127*	62.3-112
90-12-0	1-Methylnaphthalene	100	101	101	58.1-105
91-57-6	2-Methylnaphthalene	100	91.2	91.2	57.9-103
95-48-7	2-Methylphenol	100	98.8	98.8*	58.9-96.1
108-39-4	4-Methylphenol	200	174	87.2	48.4-99.9
621-64-7	N-Nitrosodi-n-propylamine	100	120	120*	62.6-108
86-30-6	Diphenylamine	100	171	171*	10.0-214
91-20-3	Naphthalene	100	91.0	91.0	46.1-10.0
88-74-4	2-Nitroaniline	100	120	120	68.9-121
99-09-2	3-Nitroaniline	100	174	174*	10.0-649
100-01-6	4-Nitroaniline	100	103	103	50.1-137
98-95-3	Nitrobenzene	100	108	108*	52.4-97.2
88-75-5	2-Nitrophenol	100	92.8	92.8	49.9-93.7
100-02-7	4-Nitrophenol	100	75.9	75.9	53.7-125
87-86-5	Pentachlorophenol	100	73.6	73.6	37.0-102
85-01-8	Phenanthrene	100	113	113*	59.5-107
108-95-2	Phenol	100	95.7	95.7	57.4-99.5
129-00-0	Pyrene	100	127	127*	44.1-124
120-82-1	1,2,4-Trichlorobenzene	100	80.8	80.8	37.6-97.9
95-95-4	2,4,5-Trichlorophenol	100	96.0	96.0	59.4-96.8
88-06-2	2,4,6-Trichlorophenol	100	97.5	97.5*	57.6-94.8

601/602 Sample Raw Data

Internal Standard Report

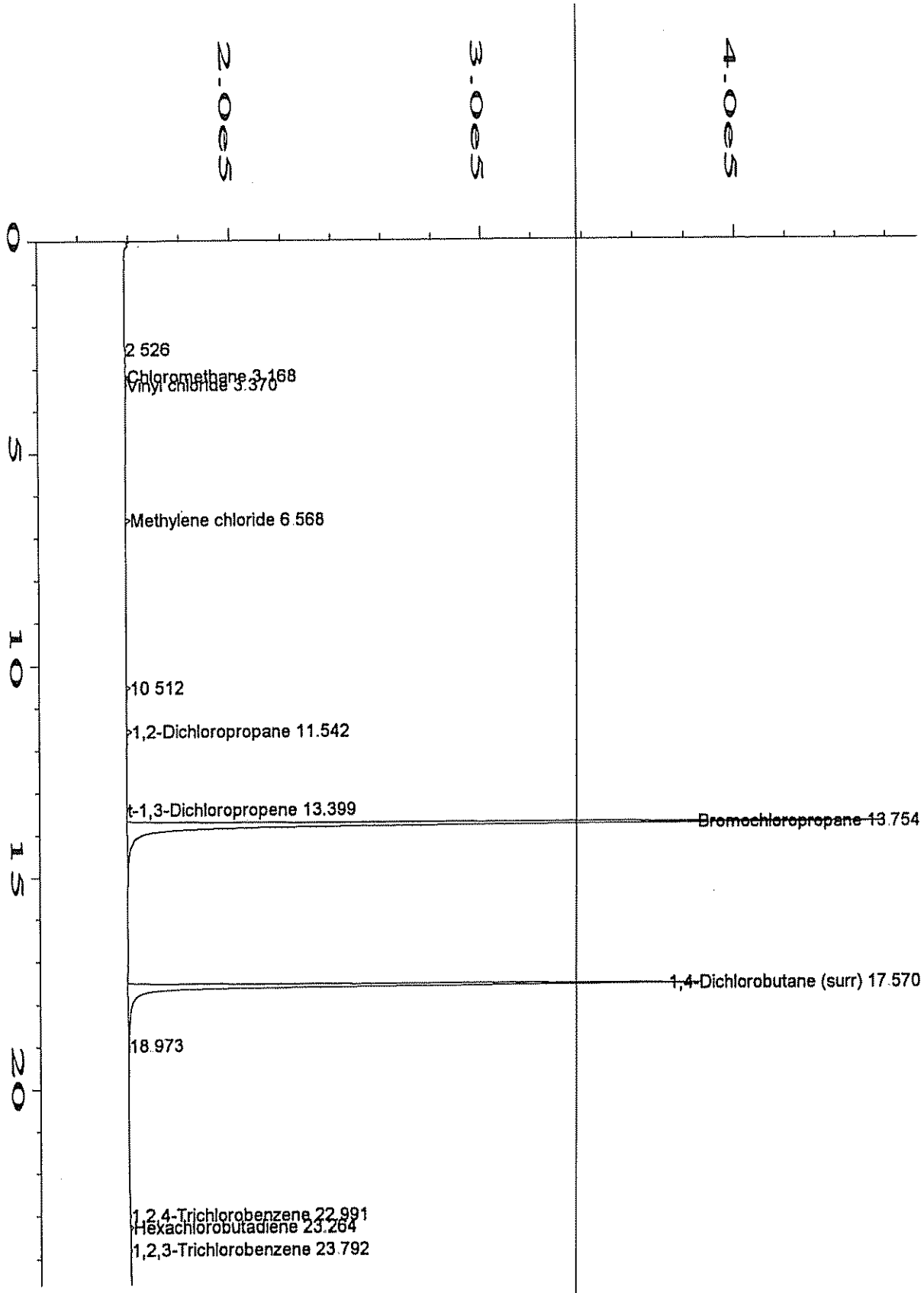
Data File Name : C:\HPCHEM\1\DATA\071505\027F0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2070-1a
Run Time Bar Code:
Acquired on : 15 Jul 05 09:54 PM
Report Created on: 16 Jul 05 08:01 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 27
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\071505\027F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.855	* not found *			1		Dichlorodifluoromethane
3.168	5058	BV	0.078	1	-0.786	Chloromethane
3.370	2680	VB	0.060	1	-1.019	Vinyl chloride
3.977	* not found *			1		Bromomethane
4.188	* not found *			1		Chloroethane
4.715	* not found *			1		Trichlorofluoromethane
5.680	* not found *			1		1,1-Dichloroethene
6.568	9846	BB	0.073	1	-0.749	Methylene chloride
7.047	* not found *			1		t-1,2-Dichloroethene
7.759	* not found *			1		1,1-Dichloroethane
8.712	* not found *			1		c-12Diclethene ; 22Diclpropane
9.097	* not found *			1		Bromochloromethane
9.234	* not found *			1		Chloroform
9.507	* not found *			1		1,1,1-Trichloroethane
9.772	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.123	* not found *			1		1,2-Dichloroethane
11.114	* not found *			1		Trichloroethene
11.542	10878	BB	0.079	1	-0.896	1,2-Dichloropropane
11.650	* not found *			1		Dibromomethane
11.904	* not found *			1		Bromodichloromethane
12.640	* not found *			1		c-1,3-Dichloropropene
13.399	1716	BB	0.065	1	0.239	t-1,3-Dichloropropene
13.754	1650541	BB	0.082	1-I	40.000	Bromochloropropane
13.929	* not found *			1		1,1,2-Trichloroethane
14.197	* not found *			1		Tetraclethene ; 13Diclpropane
14.630	* not found *			1		Dibromochloromethane
14.828	* not found *			1		1,2-Dibromoethane (EDB)
15.690	* not found *			1		Chlorobenzene
15.829	* not found *			1		1,1,1,2-Tetrachloroethane
17.113	* not found *			1		Bromoform
17.570	1033994	BV	0.068	1	95.351	1,4-Dichlorobutane (surr)
17.932	* not found *			1		Brbenzene;123triclprop;1122tet
18.265	* not found *			1		2-Chlorotoluene
18.451	* not found *			1		4-Chlorotoluene
19.532	* not found *			1		1,3-Dichlorobenzene
19.682	* not found *			1		1,4-Dichlorobenzene
20.308	* not found *			1		1,2-Dichlorobenzene
21.618	* not found *			1		1,2-Dibromo-3-chloropropane
22.991	869	BB	0.038	1	-0.362	1,2,4-Trichlorobenzene
23.264	5473	BB	0.059	1	-1.062	Hexachlorobutadiene
23.792	2113	BB	0.068	1	-0.608	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\027F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 27
Sample Name	: g161-2070-1a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 09:54 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 16 Jul 05 08:01 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

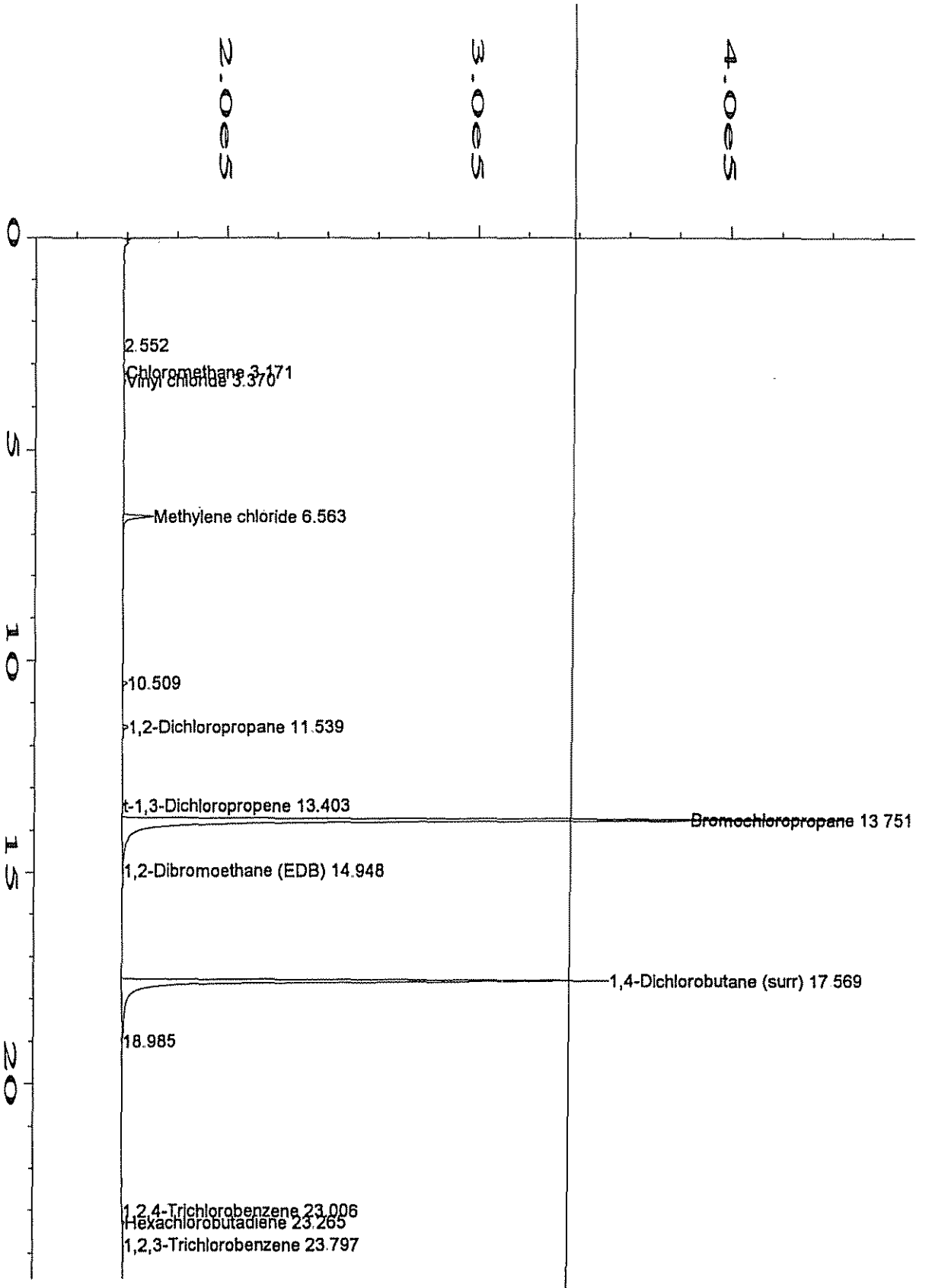
Data File Name : C:\HPCHEM\1\DATA\071505\028F0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2070-2a
Run Time Bar Code:
Acquired on : 15 Jul 05 10:24 PM
Report Created on: 16 Jul 05 08:01 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 28
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\071505\028F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.855	* not found *			1		Dichlorodifluoromethane
3.171	5599	BV	0.070	1	-0.779	Chloromethane
3.370	3796	VB	0.073	1	-1.005	Vinyl chloride
3.977	* not found *			1		Bromomethane
4.188	* not found *			1		Chloroethane
4.715	* not found *			1		Trichlorofluoromethane
5.680	* not found *			1		1,1-Dichloroethene
6.563	64486	BB	0.074	1	-0.377	Methylene chloride
7.047	* not found *			1		t-1,2-Dichloroethene
7.759	* not found *			1		1,1-Dichloroethane
8.712	* not found *			1		c-12Diclethene ; 22Diclpropane
9.097	* not found *			1		Bromochloromethane
9.234	* not found *			1		Chloroform
9.507	* not found *			1		1,1,1-Trichloroethane
9.772	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.123	* not found *			1		1,2-Dichloroethane
11.114	* not found *			1		Trichloroethene
11.539	11052	BB	0.075	1	-0.891	1,2-Dichloropropane
11.650	* not found *			1		Dibromomethane
11.904	* not found *			1		Bromodichloromethane
12.640	* not found *			1		c-1,3-Dichloropropene
13.403	1721	BB	0.068	1	-0.240	t-1,3-Dichloropropene
13.751	1576914	BV	0.083	1-I	40.000	Bromochloropropane
13.929	* not found *			1		1,1,2-Trichloroethane
14.197	* not found *			1		Tetraclethene ; 13Diclpropane
14.630	* not found *			1		Dibromochloromethane
14.948	2967	VB	0.112	1	-0.605	1,2-Dibromoethane (EDB)
15.690	* not found *			1		Chlorobenzene
15.829	* not found *			1		1,1,1,2-Tetrachloroethane
17.113	* not found *			1		Bromoform
17.569	967523	BV	0.073	1	93.387	1,4-Dichlorobutane (surr)
17.932	* not found *			1		Brbenzene;123triclprop;1122tet
18.265	* not found *			1		2-Chlorotoluene
18.451	* not found *			1		4-Chlorotoluene
19.532	* not found *			1		1,3-Dichlorobenzene
19.682	* not found *			1		1,4-Dichlorobenzene
20.308	* not found *			1		1,2-Dichlorobenzene
21.618	* not found *			1		1,2-Dibromo-3-chloropropane
23.006	542	BB	0.031	1	-0.367	1,2,4-Trichlorobenzene
23.265	5000	BB	0.065	1	-1.065	Hexachlorobutadiene
23.797	1561	BB	0.066	1	-0.618	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\028F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 28
Sample Name	: g161-2070-2a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 10:24 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 16 Jul 05 08:01 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

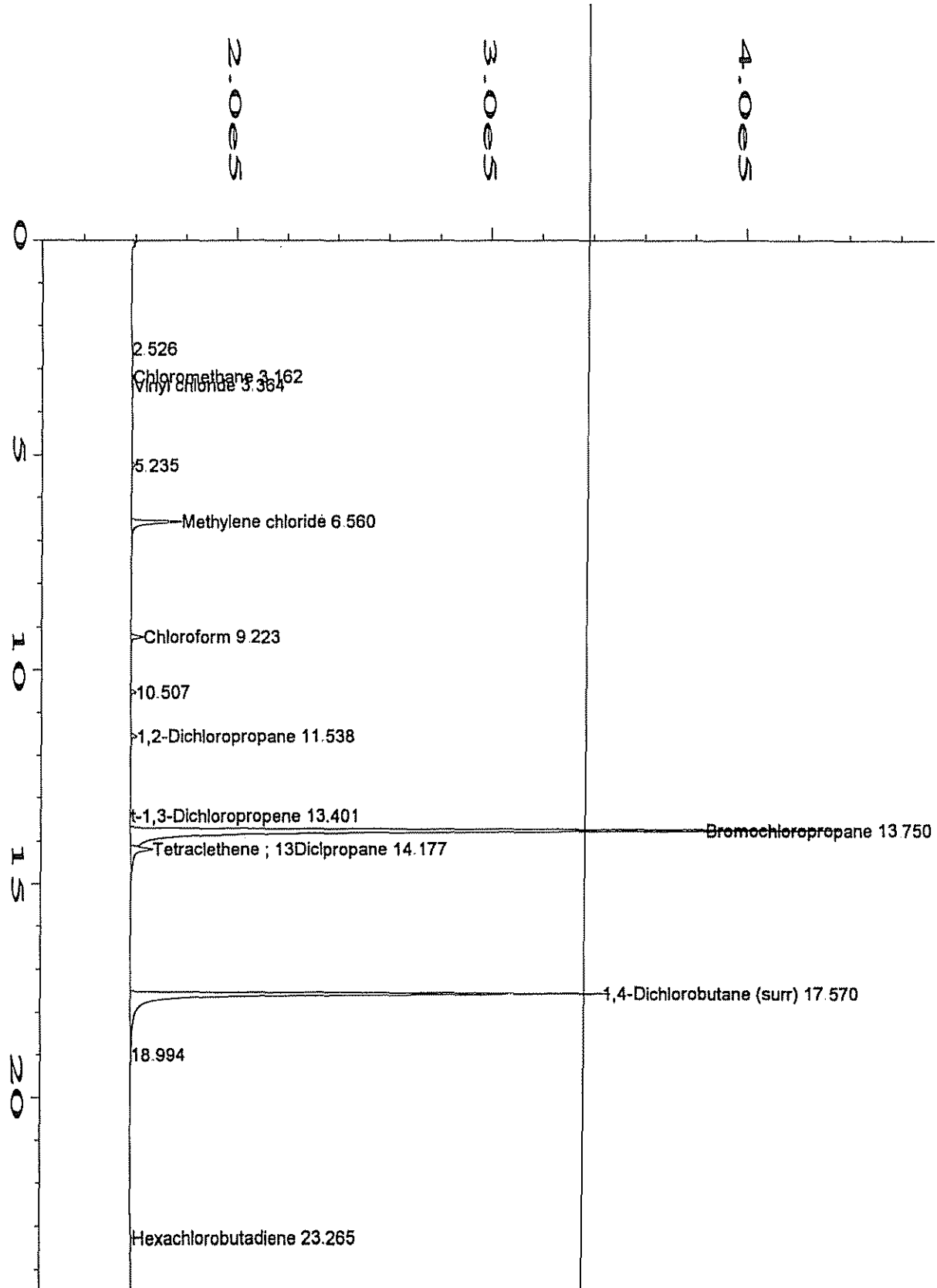
Data File Name : C:\HPCHEM\1\DATA\071505\030F0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2070-3a
Run Time Bar Code:
Acquired on : 15 Jul 05 11:25 PM
Report Created on: 16 Jul 05 08:01 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 30
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\071505\030F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.855	* not found *			1		Dichlorodifluoromethane
3.162	3922	BV	0.092	1	-0.794	Chloromethane
3.364	2432	VB	0.063	1	-1.019	Vinyl chloride
3.977	* not found *			1		Bromomethane
4.188	* not found *			1		Chloroethane
4.715	* not found *			1		Trichlorofluoromethane
5.680	* not found *			1		1,1-Dichloroethene
6.560	105367	BB	0.078	1	-0.0632	Methylene chloride
7.047	* not found *			1		t-1,2-Dichloroethene
7.759	* not found *			1		1,1-Dichloroethane
8.712	* not found *			1		c-12Diclethene ; 22Diclpropane
9.097	* not found *			1		Bromochloromethane
9.223	24623	BB	0.071	1	-0.743	Chloroform
9.507	* not found *			1		1,1,1-Trichloroethane
9.772	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.123	* not found *			1		1,2-Dichloroethane
11.114	* not found *			1		Trichloroethene
11.538	11507	BB	0.078	1	-0.882	1,2-Dichloropropane
11.650	* not found *			1		Dibromomethane
11.904	* not found *			1		Bromodichloromethane
12.640	* not found *			1		c-1,3-Dichloropropene
13.401	1481	BB	0.062	1	-0.238	t-1,3-Dichloropropene
13.750	1496270	BV	0.080	1-I	40.000	Bromochloropropane
13.929	* not found *			1		1,1,2-Trichloroethane
14.177	83387	VB	0.124	1	-1.599	Tetraclethene ; 13Diclpropane
14.630	* not found *			1		Dibromochloromethane
14.828	* not found *			1		1,2-Dibromoethane (EDB)
15.690	* not found *			1		Chlorobenzene
15.829	* not found *			1		1,1,1,2-Tetrachloroethane
17.113	* not found *			1		Bromoform
17.570	940613	BV	0.073	1	95.683	1,4-Dichlorobutane (surr)
17.932	* not found *			1		Brbenzene;123triclprop;1122tet
18.265	* not found *			1		2-Chlorotoluene
18.451	* not found *			1		4-Chlorotoluene
19.532	* not found *			1		1,3-Dichlorobenzene
19.682	* not found *			1		1,4-Dichlorobenzene
20.308	* not found *			1		1,2-Dichlorobenzene
21.618	* not found *			1		1,2-Dibromo-3-chloropropane
22.989	* not found *			1		1,2,4-Trichlorobenzene
23.265	3690	BB	0.067	1	-1.078	Hexachlorobutadiene
23.790	* not found *			1		1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\030F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 30
Sample Name	: g161-2070-3a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 11:25 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 16 Jul 05 08:01 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

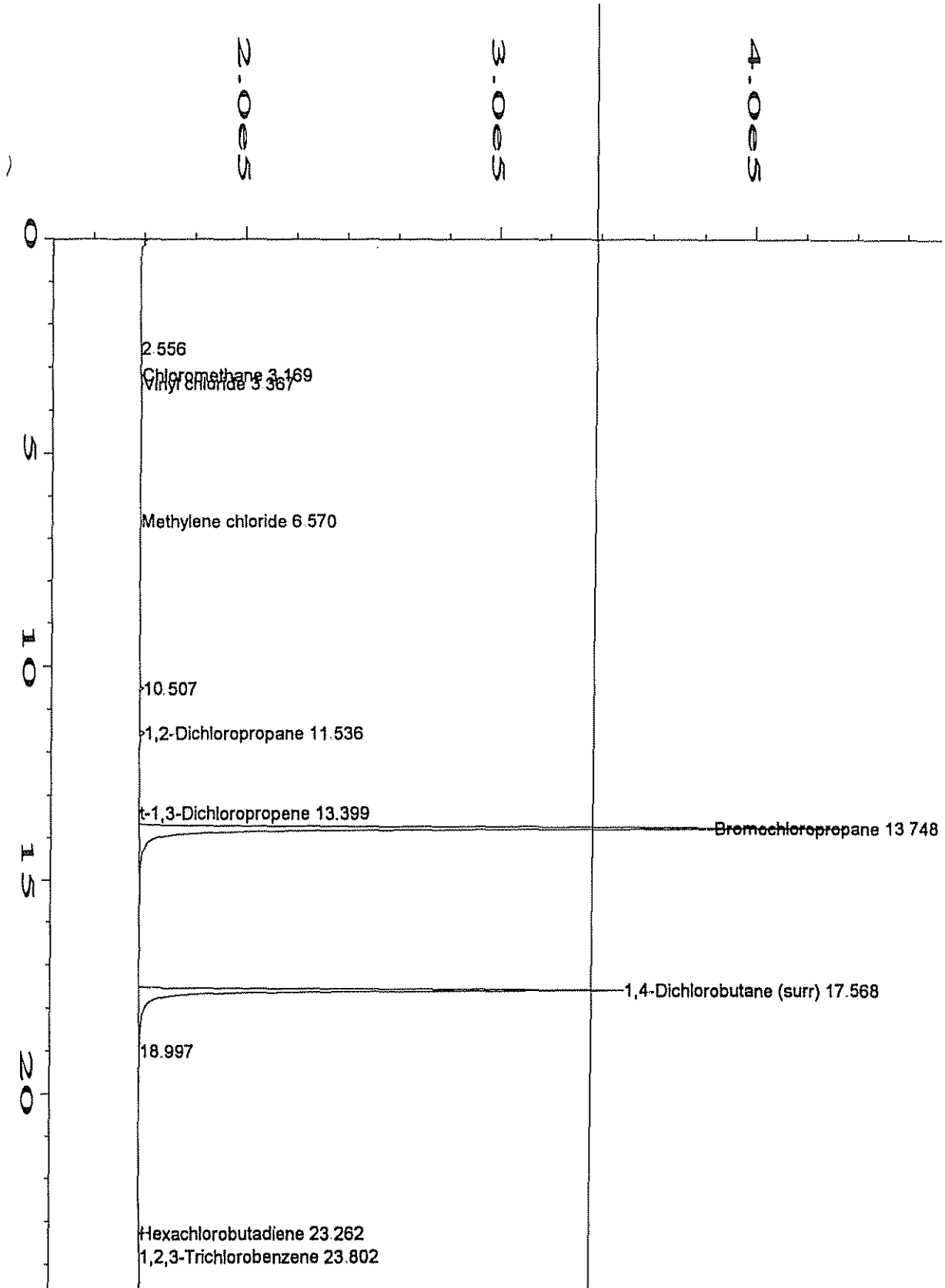
Data File Name : C:\HPCHEM\1\DATA\071505\031F0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2070-4a
Run Time Bar Code:
Acquired on : 15 Jul 05 11:56 PM
Report Created on: 16 Jul 05 08:02 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 31
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\071505\031F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.855	* not found *			1		Dichlorodifluoromethane
3.169	3535	BV	0.072	1	~~-0.799~~	Chloromethane
3.367	3704	VB	0.068	1	~~-1.005~~	Vinyl chloride
3.977	* not found *			1		Bromomethane
4.188	* not found *			1		Chloroethane
4.715	* not found *			1		Trichlorofluoromethane
5.680	* not found *			1		1,1-Dichloroethene
6.570	1534	BB	0.070	1	~~-0.802~~	Methylene chloride
7.047	* not found *			1		t-1,2-Dichloroethene
7.759	* not found *			1		1,1-Dichloroethane
8.712	* not found *			1		c-12Diclethene ; 22Diclpropane
9.097	* not found *			1		Bromochloromethane
9.234	* not found *			1		Chloroform
9.507	* not found *			1		1,1,1-Trichloroethane
9.772	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.123	* not found *			1		1,2-Dichloroethane
11.114	* not found *			1		Trichloroethene
11.536	9751	BB	0.079	1	~~-0.900~~	1,2-Dichloropropane
11.650	* not found *			1		Dibromomethane
11.904	* not found *			1		Bromodichloromethane
12.640	* not found *			1		c-1,3-Dichloropropene
13.399	1705	BB	0.068	1	~~-0.240~~	t-1,3-Dichloropropene
13.748	1553779	BB	0.083	1-I	40.000	Bromochloropropane
13.929	* not found *			1		1,1,2-Trichloroethane
14.197	* not found *			1		Tetraclethene ; 13Diclpropane
14.630	* not found *			1		Dibromochloromethane
14.828	* not found *			1		1,2-Dibromoethane (EDB)
15.690	* not found *			1		Chlorobenzene
15.829	* not found *			1		1,1,1,2-Tetrachloroethane
17.113	* not found *			1		Bromoform
17.568	949755	BV	0.073	1	93.037	1,4-Dichlorobutane (surr)
17.932	* not found *			1		Brbenzene;123triclprop;1122tet
18.265	* not found *			1		2-Chlorotoluene
18.451	* not found *			1		4-Chlorotoluene
19.532	* not found *			1		1,3-Dichlorobenzene
19.682	* not found *			1		1,4-Dichlorobenzene
20.308	* not found *			1		1,2-Dichlorobenzene
21.618	* not found *			1		1,2-Dibromo-3-chloropropane
22.989	* not found *			1		1,2,4-Trichlorobenzene
23.262	3169	BB	0.064	1	-1.086	Hexachlorobutadiene
23.802	1027	BB	0.062	1	-0.629	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\031F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 31
Sample Name	: g161-2070-4a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 11:56 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 16 Jul 05 08:02 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\071505\032F0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2070-5a
Run Time Bar Code:
Acquired on : 16 Jul 05 00:26 AM
Report Created on: 16 Jul 05 08:02 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 32
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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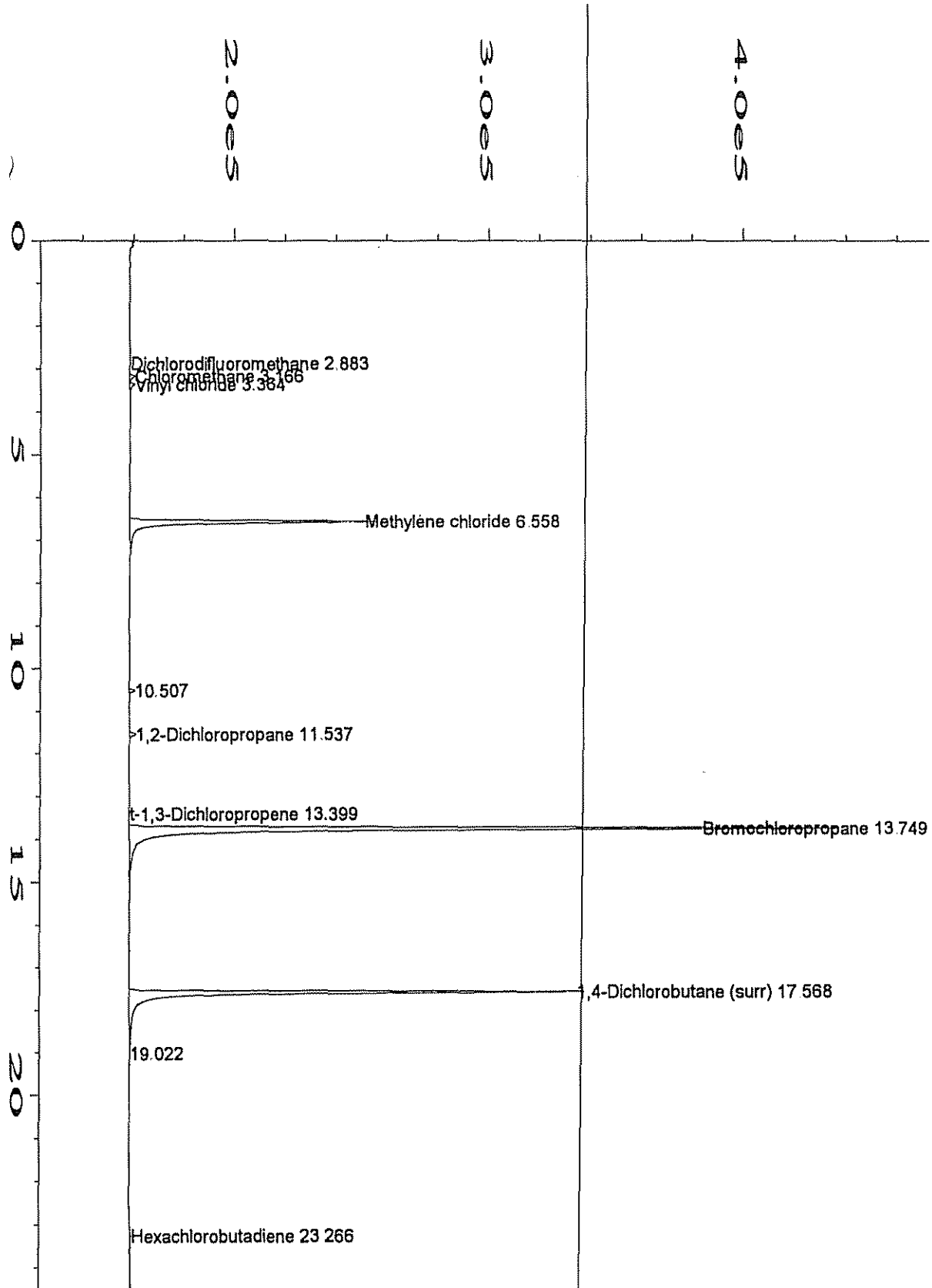
Sig. 1 in C:\HPCHEM\1\DATA\071505\032F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.883	1121	BB	0.050	1	~~-0.762~~	Dichlorodifluoromethane
3.166	11285	BV	0.074	1	~~-0.717~~	Chloromethane
3.364	10391	VB	0.074	1	~~-0.925~~	Vinyl chloride
3.977	* not found *			1		Bromomethane
4.188	* not found *			1		Chloroethane
4.715	* not found *			1		Trichlorofluoromethane
5.680	* not found *			1		1,1-Dichloroethene
6.558	510955	BB	0.079	1	~~2.742~~	Methylene chloride
7.047	* not found *			1		t-1,2-Dichloroethene
7.759	* not found *			1		1,1-Dichloroethane
8.712	* not found *			1		c-12Diclethene ; 22Diclpropane
9.097	* not found *			1		Bromochloromethane
9.234	* not found *			1		Chloroform
9.507	* not found *			1		1,1,1-Trichloroethane
9.772	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.123	* not found *			1		1,2-Dichloroethane
11.114	* not found *			1		Trichloroethene
11.537	12045	BB	0.073	1	~~-0.880~~	1,2-Dichloropropane
11.650	* not found *			1		Dibromomethane
11.904	* not found *			1		Bromodichloromethane
12.640	* not found *			1		c-1,3-Dichloropropene
13.399	1686	BB	0.062	1	~~0.240~~	t-1,3-Dichloropropene
13.749	1530212	BB	0.079	1-I	40.000	Bromochloropropane
13.929	* not found *			1		1,1,2-Trichloroethane
14.197	* not found *			1		Tetraclethene ; 13Diclpropane
14.630	* not found *			1		Dibromochloromethane
14.828	* not found *			1		1,2-Dibromoethane (EDB)
15.690	* not found *			1		Chlorobenzene
15.829	* not found *			1		1,1,1,2-Tetrachloroethane
17.113	* not found *			1		Bromoform
17.568	913182	BV	0.074	1	90.832	1,4-Dichlorobutane (surr)
17.932	* not found *			1		Brbenzene;123triclprop;1122tet
18.265	* not found *			1		2-Chlorotoluene
18.451	* not found *			1		4-Chlorotoluene
19.532	* not found *			1		1,3-Dichlorobenzene
19.682	* not found *			1		1,4-Dichlorobenzene
20.308	* not found *			1		1,2-Dichlorobenzene
21.618	* not found *			1		1,2-Dibromo-3-chloropropane
22.989	* not found *			1		1,2,4-Trichlorobenzene
23.266	3232	BB	0.069	1	~~-1.085~~	Hexachlorobutadiene
23.790	* not found *			1		1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\032F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 32
Sample Name	: g161-2070-5a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 16 Jul 05 00:26 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 16 Jul 05 08:02 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\071505\027R0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2070-1a
Run Time Bar Code:
Acquired on : 15 Jul 05 09:54 PM
Report Created on: 16 Jul 05 08:01 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

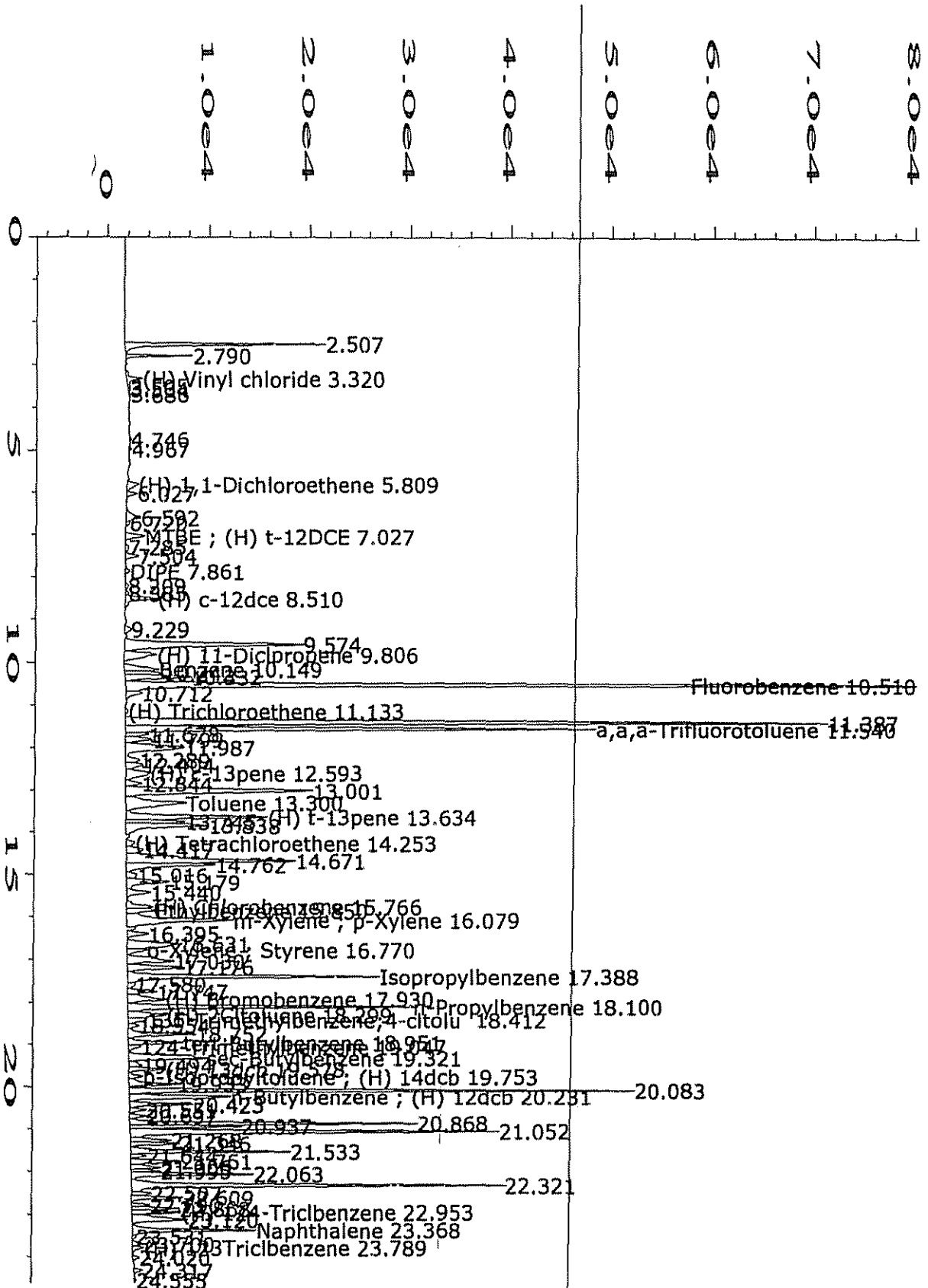
Page Number : 1
Vial Number : 27
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 2 in C:\HPCHEM\1\DATA\071505\027R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.320	9062	BV	0.079	1	~~0.746~~	(H) Vinyl chloride
5.809	8400	VV	0.096	1	~~0.342~~	(H) 1,1-Dichloroethene
7.027	10941	BV	0.084	1	~~0.233~~	MTBE ; (H) t-12DCE
7.861	2496	BB	0.074	1	~~0.123~~	DIPE
8.510	18223	VV	0.086	1	~~1.115~~	(H) c-12dce
9.806	25013	VV	0.107	1	~~1.714~~	(H) 11-Diclpropene
10.149	19145	PV	0.081	1	~~0.384~~	Benzene
10.510	354863	VV	0.062	1-I	40.000	Fluorobenzene
11.133	1671	BV	0.088	1	~~-0.103~~	(H) Trichloroethene
11.540	202644	VV	0.067	1	105.881	a,a,a-Trifluorotoluene
12.593	21891	VV	0.127	1	~~3.820~~	(H) c-13pene
13.300	53743	VV	0.125	1	1.652	Toluene
13.634	72591	VV	0.080	1	~~11.976~~	(H) t-13pene
14.253	5492	VV	0.090	1	~~0.195~~	(H) Tetrachloroethene
15.766	13244	PV	0.072	1	~~0.370~~	(H) Chlorobenzene
15.850	16186	VV	0.084	1	~~0.342~~	Ethylbenzene
16.079	72213	VV	0.098	1	~~1.778~~	m-Xylene ; p-Xylene
16.770	10099	VV	0.073	1	~~-0.0131~~	o-Xylene ; Styrene
17.388	107638	VV	0.065	1	~~5.130~~	Isopropylbenzene
17.930	23956	VV	0.082	1	0.804	(H) Bromobenzene
18.100	110070	VV	0.058	1	4.660	n-Propylbenzene
18.299	24127	VV	0.078	1	0.632	(H) 2Cltoluene
18.412	9535	VV	0.064	1	-0.473	135-Trimethylbenzene;4-cltolu
18.951	22923	VV	0.062	1	0.991	tert-Butylbenzene
19.047	5770	VV	0.067	1	-0.00522	124-Trimethylbenzene
19.321	49589	VV	0.086	1	2.543	sec-Butylbenzene
19.578	14277	VV	0.059	1	0.256	(H) 13dcb
19.753	6254	VV	0.062	1	0.0307	p-Isopropyltoluene ; (H) 14dcb
20.231	52299	VV	0.072	1	2.860	n-Butylbenzene ; (H) 12dcb
22.953	18563	VV	0.058	1	2.272	(H) 124-Triclbenzene
23.272	* not found *			1		(H) Hexaclbutadiene
23.368	48263	VV	0.058	1	8.134	Naphthalene
23.789	4820	VV	0.061	1	0.762	(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\071505\027R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 27
Sample Name	: g161-2070-1a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 09:54 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 16 Jul 05 08:01 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\071505\028R0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2070-2a
Run Time Bar Code:
Acquired on : 15 Jul 05 10:24 PM
Report Created on: 16 Jul 05 08:01 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

Page Number : 1
Vial Number : 28
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

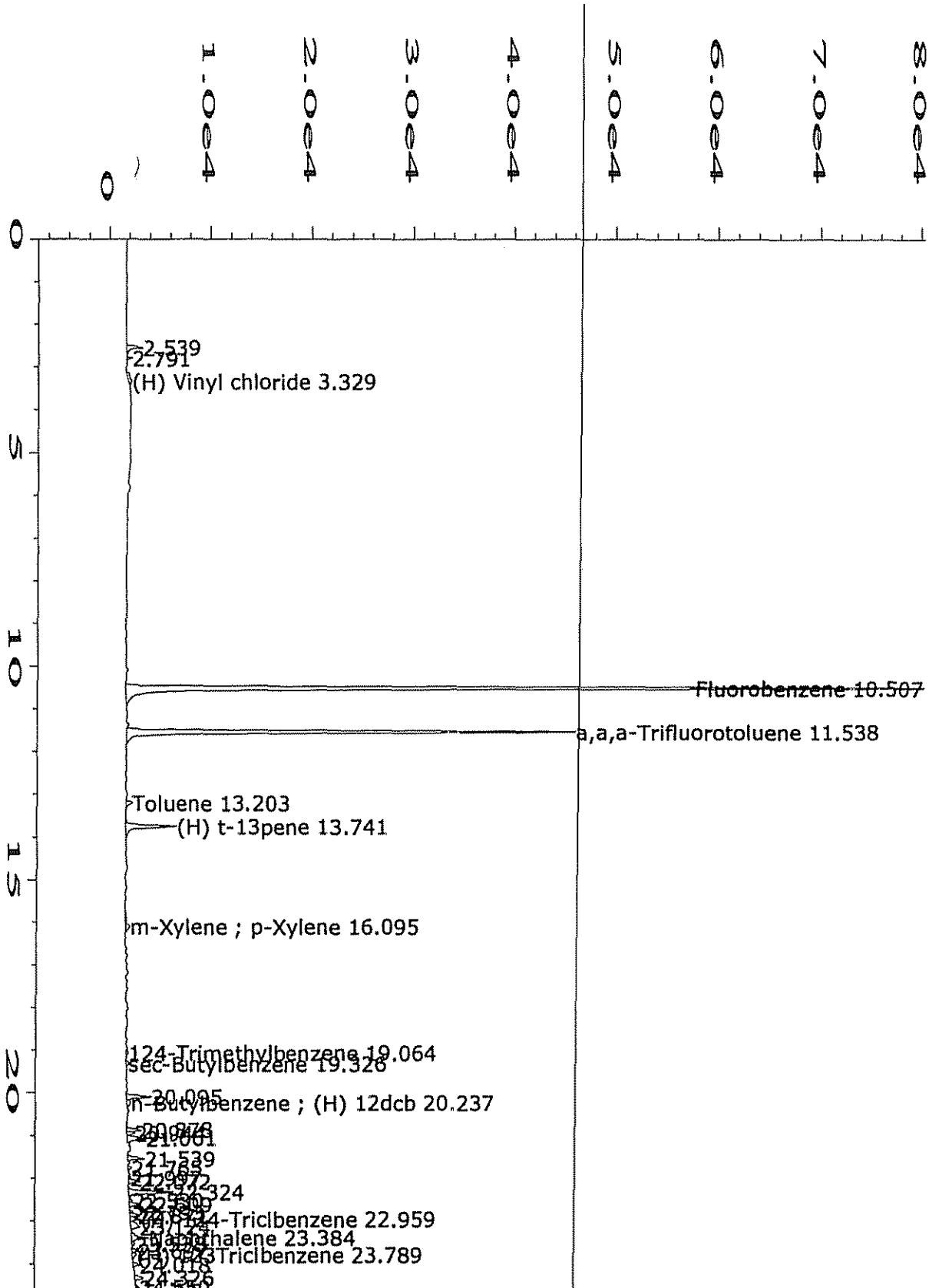
mgL 7/16

Sig. 2 in C:\HPCHEM\1\DATA\071505\028R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.329	3982	BB	0.168	1	-0.166	(H) Vinyl chloride
5.671	* not found *			1		(H) 1,1-Dichloroethene
7.040	* not found *			1		MTBE ; (H) t-12DCE
7.898	* not found *			1		DIPE
8.710	* not found *			1		(H) c-12dce
9.765	* not found *			1		(H) 11-Diclpropene
10.089	* not found *			1		Benzene
10.507	353313	BV	0.063	1-I	40.000	Fluorobenzene
11.108	* not found *			1		(H) Trichloroethene
11.538	193081	VV	0.068	1	101.327	a,a,a-Trifluorotoluene
12.634	* not found *			1		(H) c-13pene
13.203	2998	PB	0.074	1	-0.0654	Toluene
13.741	25595	BB	0.075	1	4.531	(H) t-13pene
14.184	* not found *			1		(H) Tetrachloroethene
15.683	* not found *			1		(H) Chlorobenzene
15.875	* not found *			1		Ethylbenzene
16.095	3785	BB	0.112	1	-0.535	m-Xylene ; p-Xylene
16.783	* not found *			1		o-Xylene ; Styrene
17.406	* not found *			1		Isopropylbenzene
17.922	* not found *			1		(H) Bromobenzene
18.116	* not found *			1		n-Propylbenzene
18.260	* not found *			1		(H) 2Cltoluene
18.433	* not found *			1		135-Trimethylbenzene;4-cltolu
18.969	* not found *			1		tert-Butylbenzene
19.064	1246	VB	0.064	1	-0.186	124-Trimethylbenzene
19.326	1665	BV	0.074	1	-0.191	sec-Butylbenzene
19.592	* not found *			1		(H) 13dcb
19.677	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.237	2793	VV	0.088	1	-0.270	n-Butylbenzene ; (H) 12dcb
22.959	3776	VV	0.056	1	0.486	(H) 124-Triclbenzene
23.272	* not found *			1		(H) Hexaclbutadiene
23.384	8914	VV	0.073	1	1.814	Naphthalene
23.789	2292	VV	0.066	1	0.340	(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\071505\028R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 28
Sample Name	: g161-2070-2a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 10:24 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	16 Jul 05 08:01 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\071505\030R0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2070-3a
Run Time Bar Code:
Acquired on : 15 Jul 05 11:25 PM
Report Created on: 16 Jul 05 08:02 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

Page Number : 1
Vial Number : 30
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

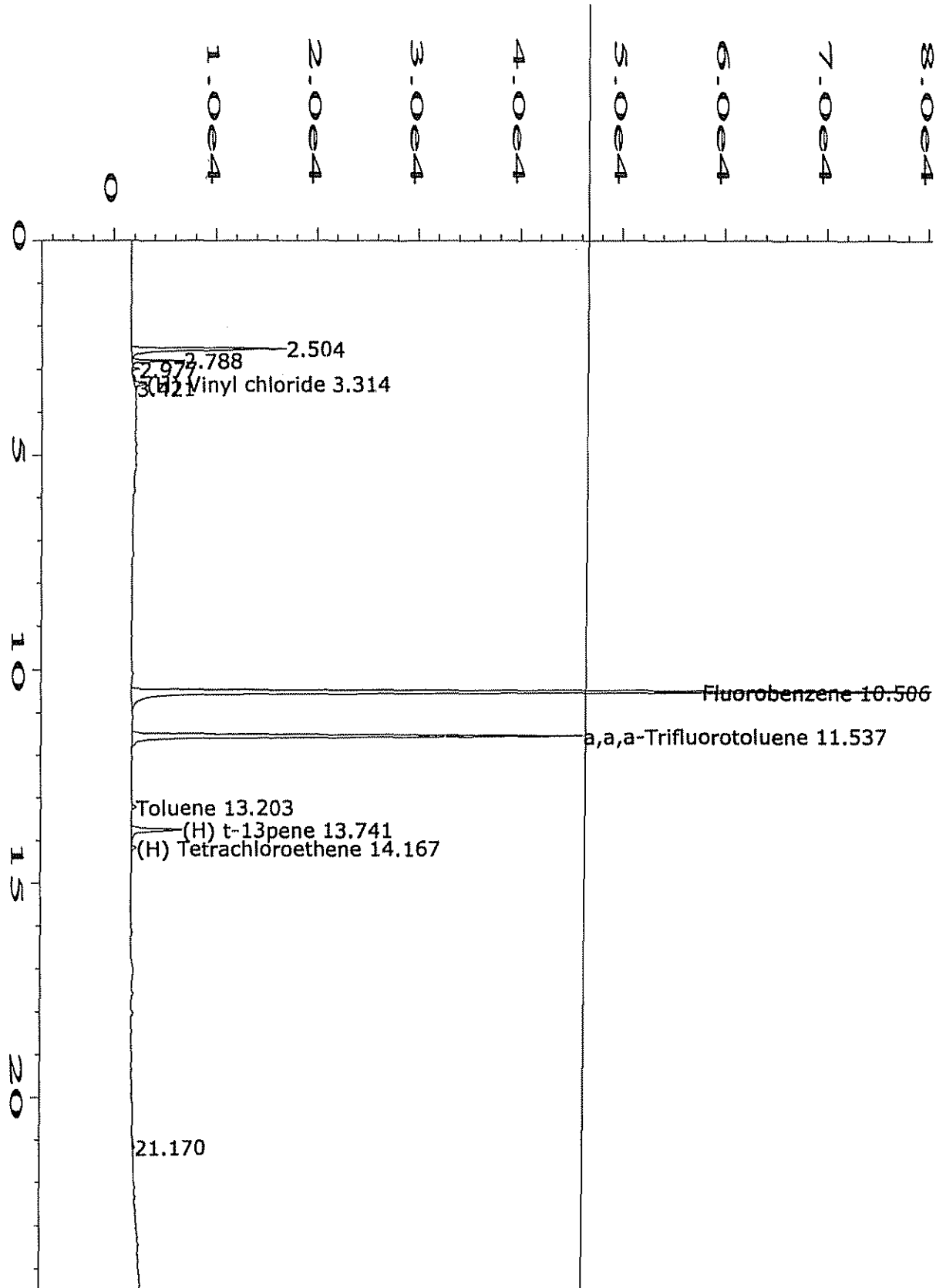
mgl 7/14

Sig. 2 in C:\HPCHEM\1\DATA\071505\030R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.314	6453	PV	0.076	1	~~0.285~~	(H) Vinyl chloride
5.671	* not found *			1		(H) 1,1-Dichloroethene
7.040	* not found *			1		MTBE ; (H) t-12DCE
7.898	* not found *			1		DIPE
8.710	* not found *			1		(H) c-12dce
9.765	* not found *			1		(H) 11-Diclpropene
10.089	* not found *			1		Benzene
10.506	352274	BV	0.063	1-I	40.000	Fluorobenzene
11.108	* not found *			1		(H) Trichloroethene
11.537	192219	BV	0.067	1	101.172	a,a,a-Trifluorotoluene
12.634	* not found *			1		(H) c-13pene
13.203	2044	BV	0.066	1	~~-0.0976~~	Toluene
13.740	24835	BV	0.073	1	~~4.422~~	(H) t-13pene
14.167	2172	VB	0.065	1	~~-0.0407~~	(H) Tetrachloroethene
15.683	* not found *			1		(H) Chlorobenzene
15.875	* not found *			1		Ethylbenzene
16.082	* not found *			1		m-Xylene ; p-Xylene
16.783	* not found *			1		o-Xylene ; Styrene
17.406	* not found *			1		Isopropylbenzene
17.922	* not found *			1		(H) Bromobenzene
18.116	* not found *			1		n-Propylbenzene
18.260	* not found *			1		(H) 2Cltoluene
18.433	* not found *			1		135-Trimethylbenzene;4-cltolu
18.969	* not found *			1		tert-Butylbenzene
19.055	* not found *			1		124-Trimethylbenzene
19.343	* not found *			1		sec-Butylbenzene
19.592	* not found *			1		(H) 13dcb
19.677	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.294	* not found *			1		n-Butylbenzene ; (H) 12dcb
22.983	* not found *			1		(H) 124-Triclbenzene
23.272	* not found *			1		(H) Hexaclbutadiene
23.382	* not found *			1		Naphthalene
23.784	* 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\071505\030R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 30
Sample Name	: g161-2070-3a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 11:25 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	16 Jul 05 08:02 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\071505\031R0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2070-4a
Run Time Bar Code:
Acquired on : 15 Jul 05 11:56 PM
Report Created on: 16 Jul 05 08:02 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

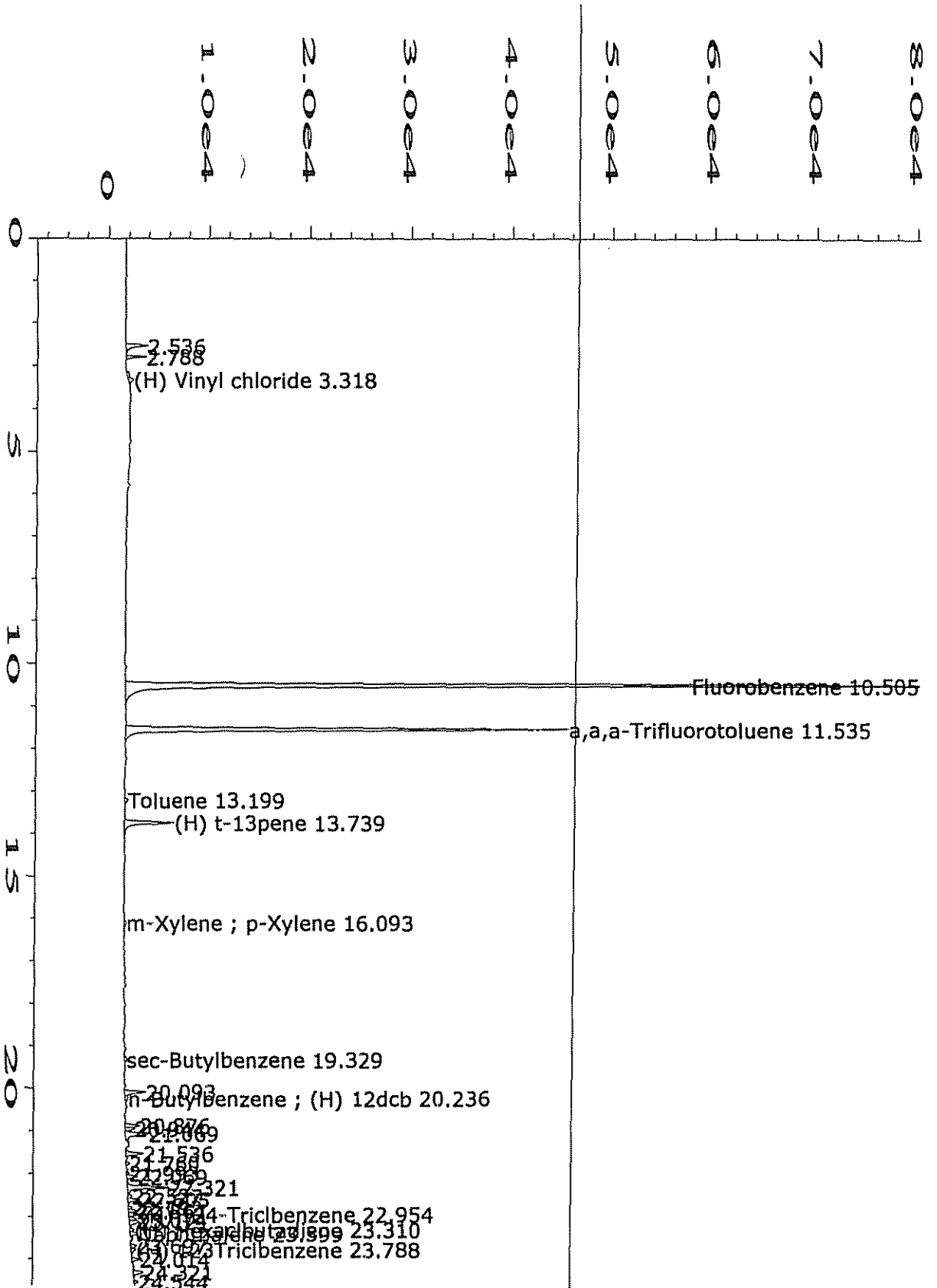
Page Number : 1
Vial Number : 31
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 2 in C:\HPCHEM\1\DATA\071505\031R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.318	4999	BB	0.116	1	~~0.0235~~	(H) Vinyl chloride
5.671	* not found *			1		(H) 1,1-Dichloroethene
7.040	* not found *			1		MTBE ; (H) t-12DCE
7.898	* not found *			1		DIPE
8.710	* not found *			1		(H) c-12dce
9.765	* not found *			1		(H) 11-Diclpropene
10.089	* not found *			1		Benzene
10.505	351146	BV	0.062	1-I	40.000	Fluorobenzene
11.108	* not found *			1		(H) Trichloroethene
11.535	191630	VV	0.067	1	101.186	a,a,a-Trifluorotoluene
12.634	* not found *			1		(H) c-13pene
13.199	1701	BB	0.066	1	~~-0.109~~	Toluene
13.739	24133	BB	0.072	1	~~4.322~~	(H) t-13pene
14.184	* not found *			1		(H) Tetrachloroethene
15.683	* not found *			1		(H) Chlorobenzene
15.875	* not found *			1		Ethylbenzene
16.093	2010	BB	0.086	1	~~-0.595~~	m-Xylene ; p-Xylene
16.783	* not found *			1		o-Xylene ; Styrene
17.406	* not found *			1		Isopropylbenzene
17.922	* not found *			1		(H) Bromobenzene
18.116	* not found *			1		n-Propylbenzene
18.260	* not found *			1		(H) 2Cltoluene
18.433	* not found *			1		135-Trimethylbenzene;4-cltolu
18.969	* not found *			1		tert-Butylbenzene
19.055	* not found *			1		124-Trimethylbenzene
19.329	1650	PB	0.081	1	-0.191	sec-Butylbenzene
19.592	* not found *			1		(H) 13dcb
19.677	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.236	2232	VV	0.083	1	-0.305	n-Butylbenzene ; (H) 12dcb
22.954	3945	VV	0.056	1	0.510	(H) 124-Triclbenzene
23.310	1713	VV	0.058	1	-0.310	(H) Hexaclbutadiene
23.399	3604	VV	0.068	1	0.960	Naphthalene
23.788	2273	VV	0.064	1	0.339	(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\071505\031R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 31
Sample Name	: g161-2070-4a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 11:56 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 16 Jul 05 08:02 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\071505\032R0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2070-5a
Run Time Bar Code:
Acquired on : 16 Jul 05 00:26 AM
Report Created on: 16 Jul 05 08:02 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

Page Number : 1
Vial Number : 32
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

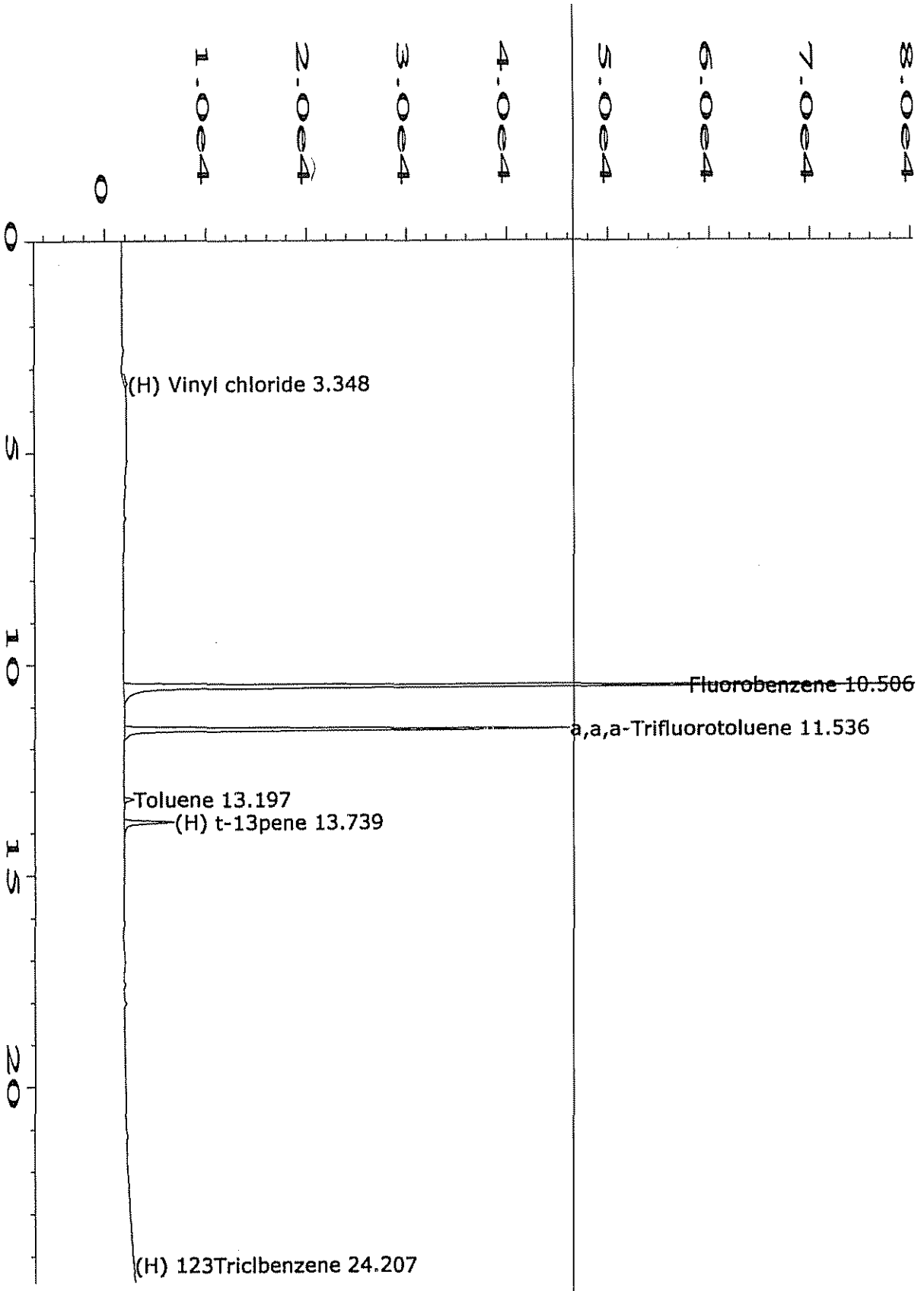
mjc 7/16

Sig. 2 in C:\HPCHEM\1\DATA\071505\032R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.348	4060	BB	0.165	1	~~-0.151~~	(H) Vinyl chloride
5.671	* not found *			1		(H) 1,1-Dichloroethene
7.040	* not found *			1		MTBE ; (H) t-12DCE
7.898	* not found *			1		DIPE
8.710	* not found *			1		(H) c-12dce
9.765	* not found *			1		(H) 11-Diclpropene
10.089	* not found *			1		Benzene
10.506	352848	BV	0.063	1-I	40.000	Fluorobenzene
11.108	* not found *			1		(H) Trichloroethene
11.536	192305	BV	0.067	1	101.053	a,a,a-Trifluorotoluene
12.634	* not found *			1		(H) c-13pene
13.197	4598	BB	0.072	1	~~-0.0107~~	Toluene
13.739	23871	BB	0.073	1	~~4.261~~	(H) t-13pene
14.184	* not found *			1		(H) Tetrachloroethene
15.683	* not found *			1		(H) Chlorobenzene
15.875	* not found *			1		Ethylbenzene
16.082	* not found *			1		m-Xylene ; p-Xylene
16.783	* not found *			1		o-Xylene ; Styrene
17.406	* not found *			1		Isopropylbenzene
17.922	* not found *			1		(H) Bromobenzene
18.116	* not found *			1		n-Propylbenzene
18.260	* not found *			1		(H) 2Cltoluene
18.433	* not found *			1		135-Trimethylbenzene;4-cltolu
18.969	* not found *			1		tert-Butylbenzene
19.055	* not found *			1		124-Trimethylbenzene
19.343	* not found *			1		sec-Butylbenzene
19.592	* not found *			1		(H) 13dcb
19.677	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.294	* not found *			1		n-Butylbenzene ; (H) 12dcb
22.983	* not found *			1		(H) 124-Triclbenzene
23.272	* not found *			1		(H) Hexaclbutadiene
23.382	* not found *			1		Naphthalene
24.207	852	PV	0.209	1	~~0.0984~~	(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\071505\032R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 32
Sample Name	: g161-2070-5a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 16 Jul 05 00:26 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 16 Jul 05 08:02 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

601/602 Calibration Raw Data

Internal Standard Report

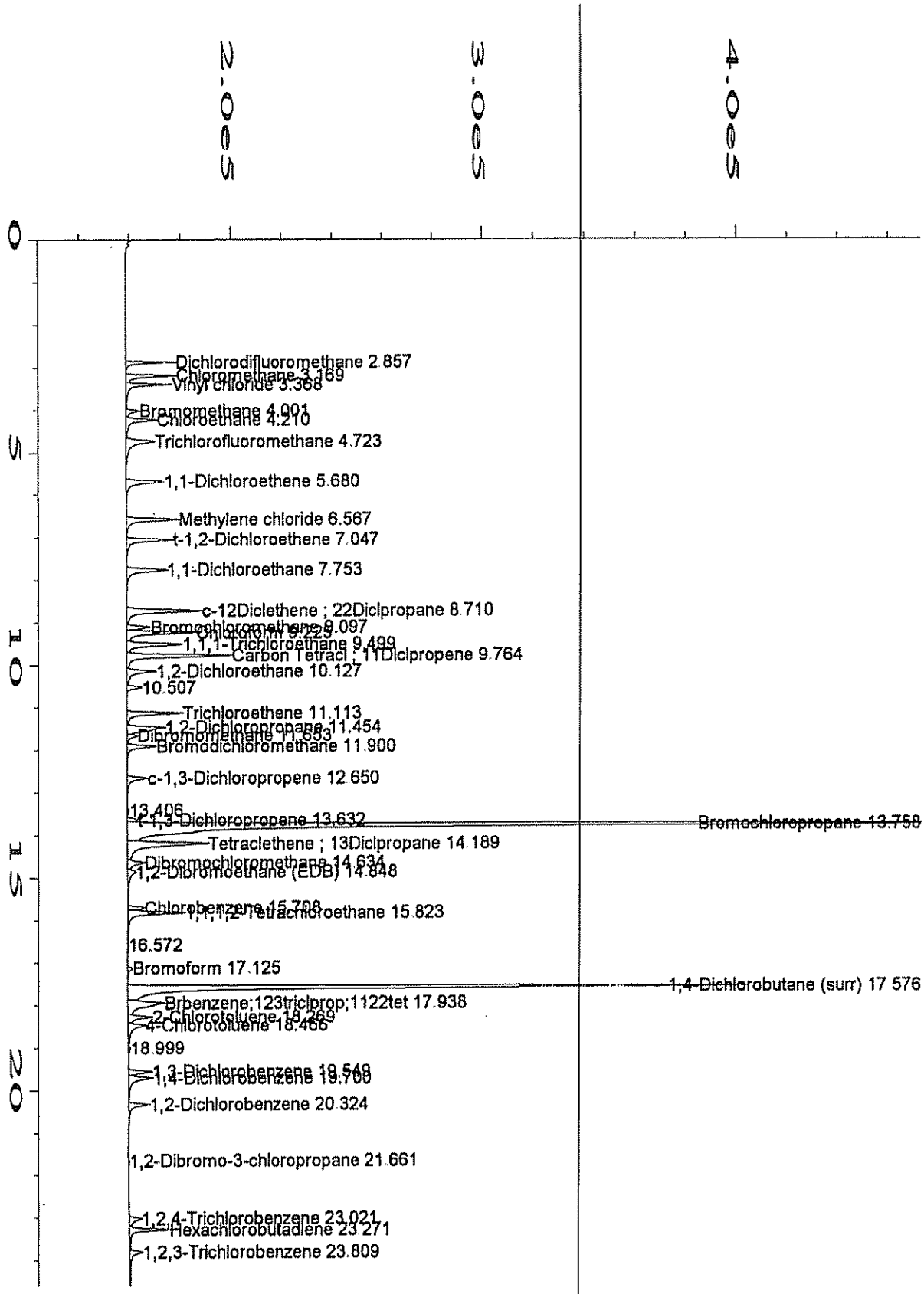
Data File Name : C:\HPCHEM\1\DATA\071505\007F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v0.5
Run Time Bar Code:
Acquired on : 15 Jul 05 11:40 AM
Report Created on: 18 Jul 05 09:10 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

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

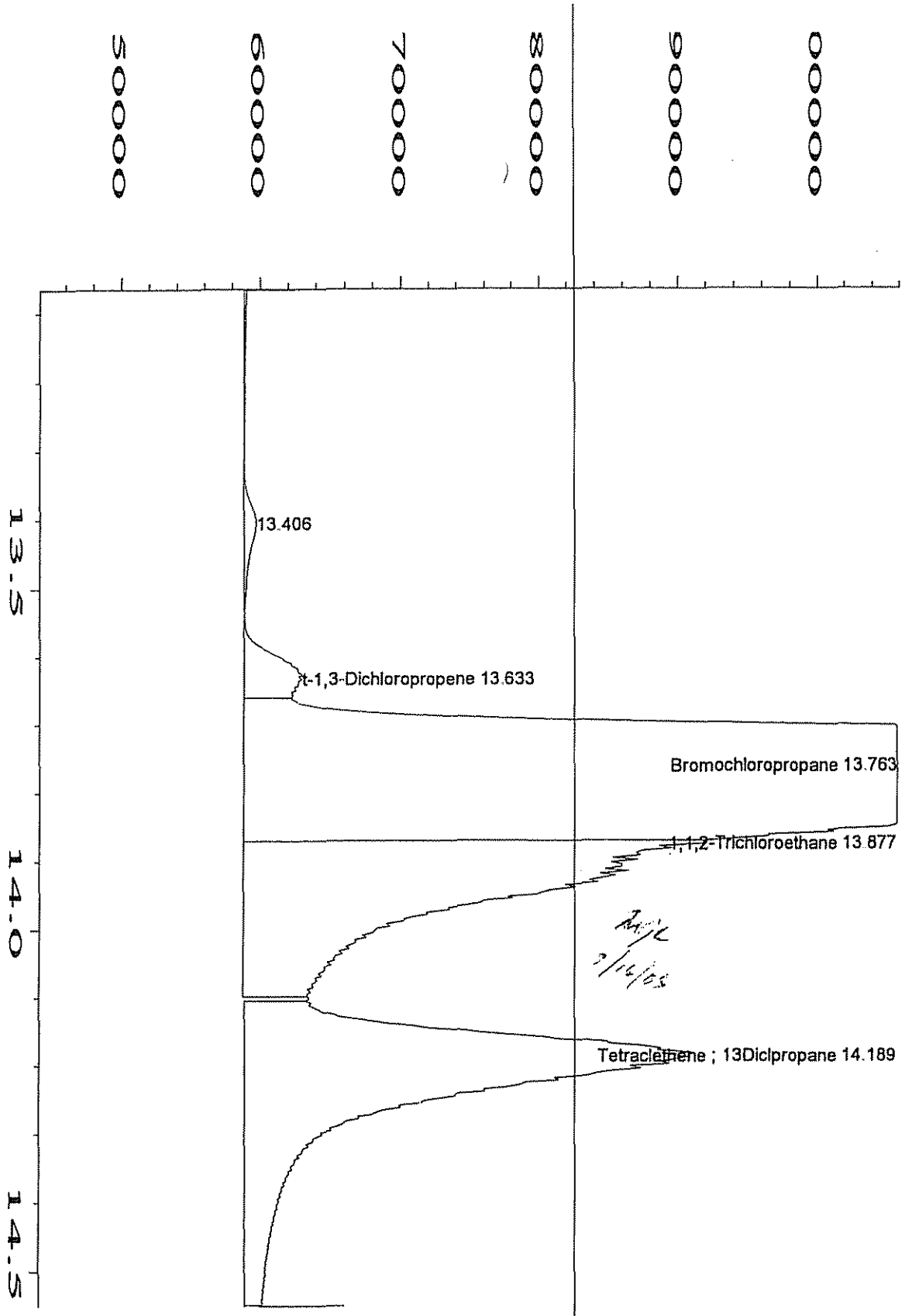
Sig. 1 in C:\HPCHEM\1\DATA\071505\007F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.857	60396	BV	0.045	1	-0.169	Dichlorodifluoromethane
3.169	77908	VV	0.053	1	-0.170	Chloromethane
3.368	84567	VV	0.066	1	-0.228	Vinyl chloride
4.001	27098	VV	0.072	1	0.169	Bromomethane
4.210	72112	VV	0.084	1	-0.0752	Chloroethane
4.723	93657	VB	0.107	1	-0.0678	Trichlorofluoromethane
5.680	87578	BB	0.082	1	-0.159	1,1-Dichloroethene
6.567	107604	BV	0.075	1	-0.203	Methylene chloride
7.047	98073	VV	0.077	1	-0.197	t-1,2-Dichloroethene
7.753	96212	VB	0.088	1	-0.197	1,1-Dichloroethane
8.710	168632	BV	0.079	1	-0.632	c-12Diclethene ; 22Diclpropane
9.097	41592	VV	0.064	1	-0.0193	Bromochloromethane
9.225	136645	VV	0.076	1	-0.258	Chloroform
9.499	120390	VV	0.079	1	-0.248	1,1,1-Trichloroethane
9.764	210261	VV	0.075	1	-0.872	Carbon Tetracl ; 11Diclpropene
10.127	69675	VV	0.083	1	-0.197	1,2-Dichloroethane
11.113	102173	BV	0.068	1	-0.259	Trichloroethene
11.454	108873	VV	0.097	1	-0.238	1,2-Dichloropropane
11.653	22339	VV	0.072	1	0.0576	Dibromomethane
11.900	61113	VB	0.074	1	-0.0729	Bromodichloromethane
12.650	50152	BB	0.083	1	-0.0494	c-1,3-Dichloropropene
13.632	16036	VV	0.058	1	0.408	t-1,3-Dichloropropene
13.758	1877377	VV	0.082	1-I	40.000	Bromochloropropane
13.929	* not found *			1		1,1,2-Trichloroethane
14.189	229841	VV	0.095	1	-0.706	Tetraclethene ; 13Diclpropane
14.634	43476	VV	0.088	1	0.0325	Dibromochloromethane
14.848	36347	VB	0.138	1	-0.0393	1,2-Dibromoethane (EDB)
15.708	26776	BV	0.062	1	0.113	Chlorobenzene
15.823	121225	VV	0.077	1	-0.280	1,1,1,2-Tetrachloroethane
17.125	12747	BV	0.082	1	0.493	Bromoform
17.576	1089949	PV	0.064	1	88.366	1,4-Dichlorobutane (surr)
17.938	124900	VV	0.114	1	0.00965	Brbenzene;123triclprop;1122tet
18.269	52481	VV	0.074	1	-0.000838	2-Chlorotoluene
18.466	58128	VV	0.109	1	-0.0482	4-Chlorotoluene
19.549	43578	BV	0.068	1	0.0191	1,3-Dichlorobenzene
19.700	65567	VV	0.093	1	-0.164	1,4-Dichlorobenzene
20.324	44116	PV	0.077	1	-0.112	1,2-Dichlorobenzene
21.661	3738	BB	0.099	1	0.568	1,2-Dibromo-3-chloropropane
23.021	30652	BV	0.082	1	0.0613	1,2,4-Trichlorobenzene
23.271	78050	VV	0.068	1	-0.346	Hexachlorobutadiene
23.809	35060	VB	0.093	1	0.00903	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\007F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 7
Sample Name	: v0.5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 11:40 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	18 Jul 05 09:10 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 16 JUL 05 07:43 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



user modified

Data File Name : C:\HPCHEM\1\DATA\071505\007F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v0.5
Run Time Bar Code:
Acquired on : 15 Jul 05 11:40 AM
Report Created on: 16 Jul 05 07:37 AM
Last Recalib on : 06 JUN 05 05:42 PM
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

Internal Standard Report

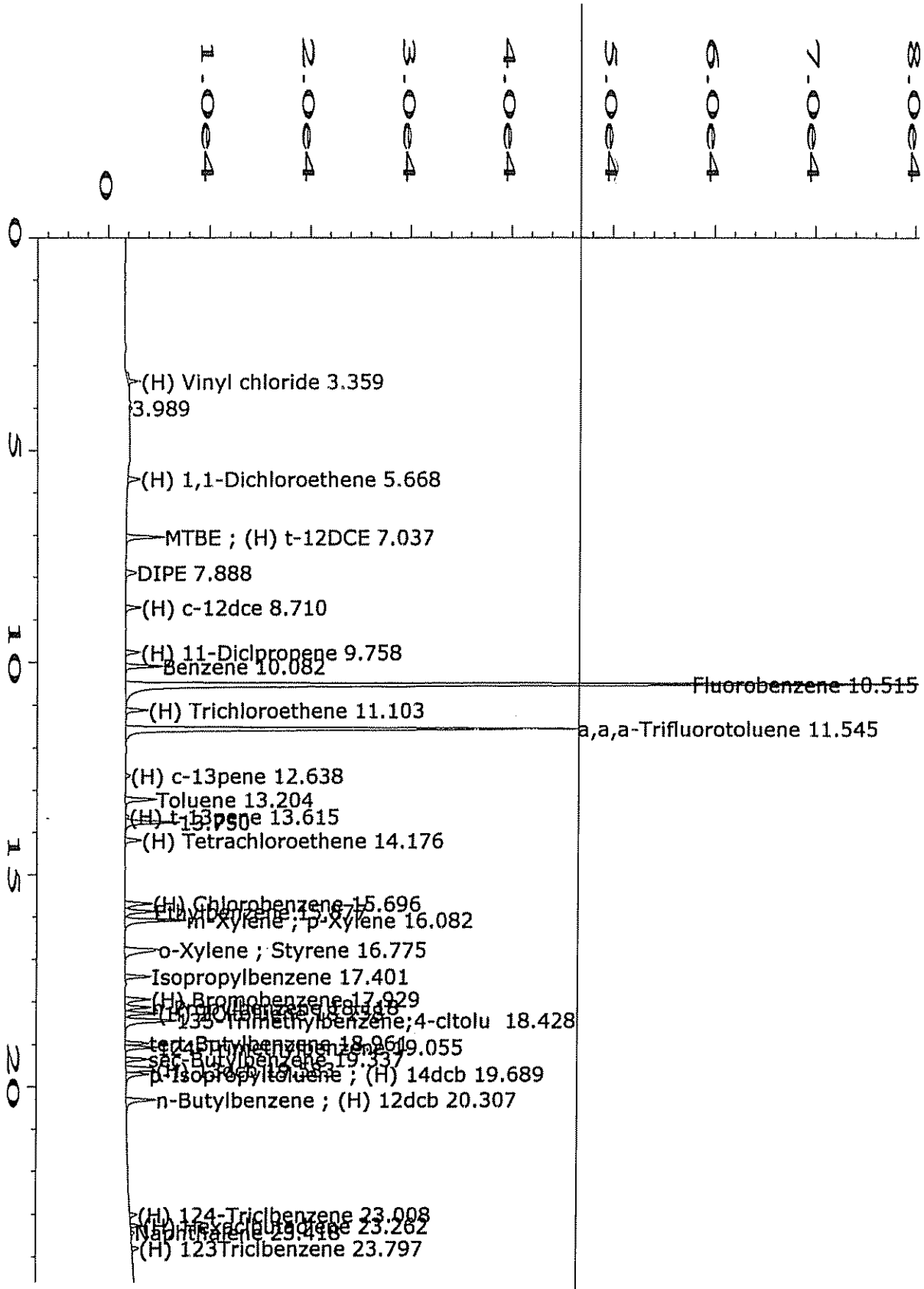
Data File Name : C:\HPCHEM\1\DATA\071505\007R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v0.5
Run Time Bar Code:
Acquired on : 15 Jul 05 11:40 AM
Report Created on: 18 Jul 05 09:10 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

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

Sig. 2 in C:\HPCHEM\1\DATA\071505\007R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.359	6854	BB	0.072	1	0.334	(H) Vinyl chloride
5.668	6370	BB	0.075	1	0.175	(H) 1,1-Dichloroethene
7.037	17258	BB	0.067	1	0.575	MTBE ; (H) t-12DCE
7.888	6022	BB	0.081	1	0.384	DIPE
8.710	7010	BB	0.069	1	0.340	(H) c-12dce
9.758	6477	BB	0.065	1	0.316	(H) 11-Diclpropene
10.082	15533	BB	0.065	1	0.265	Benzene
10.515	358906	BV	0.063	1-I	40.000	Fluorobenzene
11.103	9822	VB	0.064	1	0.336	(H) Trichloroethene
11.545	193521	BV	0.067	1	99.975	a,a,a-Trifluorotoluene
12.638	2430	BB	0.073	1	0.509	(H) c-13pene
13.204	14637	BB	0.072	1	0.323	Toluene
13.615	1626	BV	0.066	1	0.704	(H) t-13pene
14.176	6940	BB	0.065	1	0.292	(H) Tetrachloroethene
15.696	12780	BV	0.070	1	0.348	(H) Chlorobenzene
15.877	13393	VV	0.069	1	0.229	Ethylbenzene
16.082	30383	VB	0.073	1	0.352	m-Xylene ; p-Xylene
16.775	23197	BB	0.104	1	0.506	o-Xylene ; Styrene
17.401	9985	BV	0.059	1	0.266	Isopropylbenzene
17.929	11817	BV	0.067	1	0.310	(H) Bromobenzene
18.118	11016	VV	0.060	1	0.220	n-Propylbenzene
18.258	12974	VV	0.060	1	0.173	(H) 2Cltoluene
18.428	29491	VB	0.081	1	0.220	135-Trimethylbenzene;4-cltolu
18.961	8812	BV	0.057	1	0.155	tert-Butylbenzene
19.055	12477	VV	0.060	1	0.257	124-Trimethylbenzene
19.337	8850	PV	0.060	1	0.213	sec-Butylbenzene
19.583	18442	VV	0.085	1	0.491	(H) 13dcb
19.689	11878	VB	0.071	1	0.510	p-Isopropyltoluene ; (H) 14dcb
20.307	15052	BB	0.075	1	0.494	n-Butylbenzene ; (H) 12dcb
23.008	3145	BV	0.065	1	0.404	(H) 124-Triclbenzene
23.262	4095	PV	0.054	1	0.0553	(H) Hexaclbutadiene
23.418	1759	PB	0.069	1	0.655	Naphthalene
23.797	3111	BB	0.065	1	0.470	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\007R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 7
Sample Name	: v0.5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 11:40 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 18 Jul 05 09:10 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

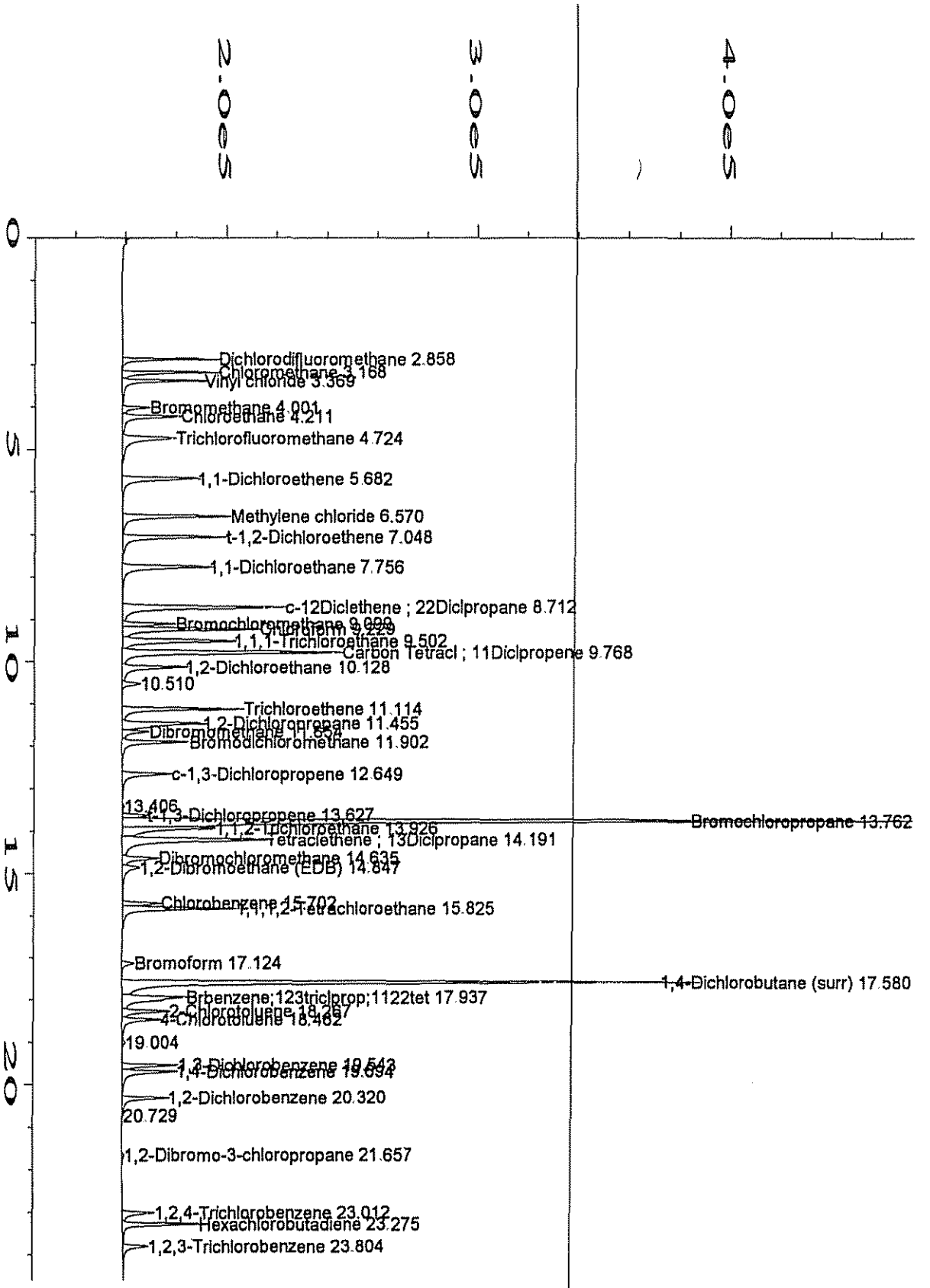
Data File Name : C:\HPCHEM\1\DATA\071505\008F0101.D
Operator : MJC
Instrument : GC3
Sample Name : vl
Run Time Bar Code:
Acquired on : 15 Jul 05 12:10 PM
Report Created on: 18 Jul 05 09:10 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

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

Sig. 1 in C:\HPCHEM\1\DATA\071505\008F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.858	111526	BV	0.043	1	0.540	Dichlorodifluoromethane
3.168	138745	VV	0.053	1	0.556	Chloromethane
3.369	142812	VV	0.059	1	0.579	Vinyl chloride
4.001	48515	VV	0.064	1	0.771	Bromomethane
4.211	125455	VV	0.078	1	0.630	Chloroethane
4.724	161463	VB	0.106	1	0.618	Trichlorofluoromethane
5.682	178985	BB	0.082	1	0.563	1,1-Dichloroethene
6.570	207945	BV	0.071	1	0.573	Methylene chloride
7.048	201861	VV	0.072	1	0.580	t-1,2-Dichloroethene
7.756	205114	VV	0.086	1	0.588	1,1-Dichloroethane
8.712	353645	VV	0.081	1	1.043	c-12Diclethene ; 22Diclpropane
9.099	89269	VV	0.067	1	0.663	Bromochloromethane
9.229	270025	VV	0.074	1	0.571	Chloroform
9.502	243992	VV	0.082	1	0.568	1,1,1-Trichloroethane
9.768	430647	VV	0.075	1	0.908	Carbon Tetracl ; 11Diclpropene
10.128	143727	VV	0.080	1	0.594	1,2-Dichloroethane
11.114	215070	BV	0.067	1	0.528	Trichloroethene
11.455	197289	VV	0.087	1	0.601	1,2-Dichloropropane
11.654	53195	VV	0.072	1	0.702	Dibromomethane
11.902	136144	VV	0.073	1	0.642	Bromodichloromethane
12.649	110839	VV	0.079	1	0.619	c-1,3-Dichloropropene
13.627	41423	VV	0.064	1	0.799	t-1,3-Dichloropropene
13.762	1597793	VV	0.078	1-I	40.000	Bromochloropropane
13.926	211813	VV	0.080	1	0.348	1,1,2-Trichloroethane
14.191	391987	VV	0.095	1	0.938	Tetraclethene ; 13Diclpropane
14.635	80134	VV	0.081	1	0.688	Dibromochloromethane
14.847	67287	VV	0.129	1	0.697	1,2-Dibromoethane (EDB)
15.702	61339	VV	0.062	1	0.708	Chlorobenzene
15.825	231975	VV	0.076	1	0.534	1,1,1,2-Tetrachloroethane
17.124	27527	BV	0.078	1	0.970	Bromoform
17.580	1005575	PV	0.066	1	95.791	1,4-Dichlorobutane (surr)
17.937	193240	VV	0.102	1	2.072	Brbenzene;123triclprop;1122tet
18.267	86549	VV	0.068	1	0.675	2-Chlorotoluene
18.462	91695	VV	0.083	1	0.633	4-Chlorotoluene
19.543	88874	BV	0.060	1	0.643	1,3-Dichlorobenzene
19.694	121917	VV	0.077	1	0.582	1,4-Dichlorobenzene
20.320	90845	VV	0.072	1	0.612	1,2-Dichlorobenzene
21.657	7071	BB	0.100	1	0.976	1,2-Dibromo-3-chloropropane
23.012	66329	BV	0.076	1	0.737	1,2,4-Trichlorobenzene
23.275	138902	VV	0.066	1	0.502	Hexachlorobutadiene
23.804	61067	VB	0.083	1	0.702	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\008F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 8
Sample Name	: v1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 12:10 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 18 Jul 05 09:10 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

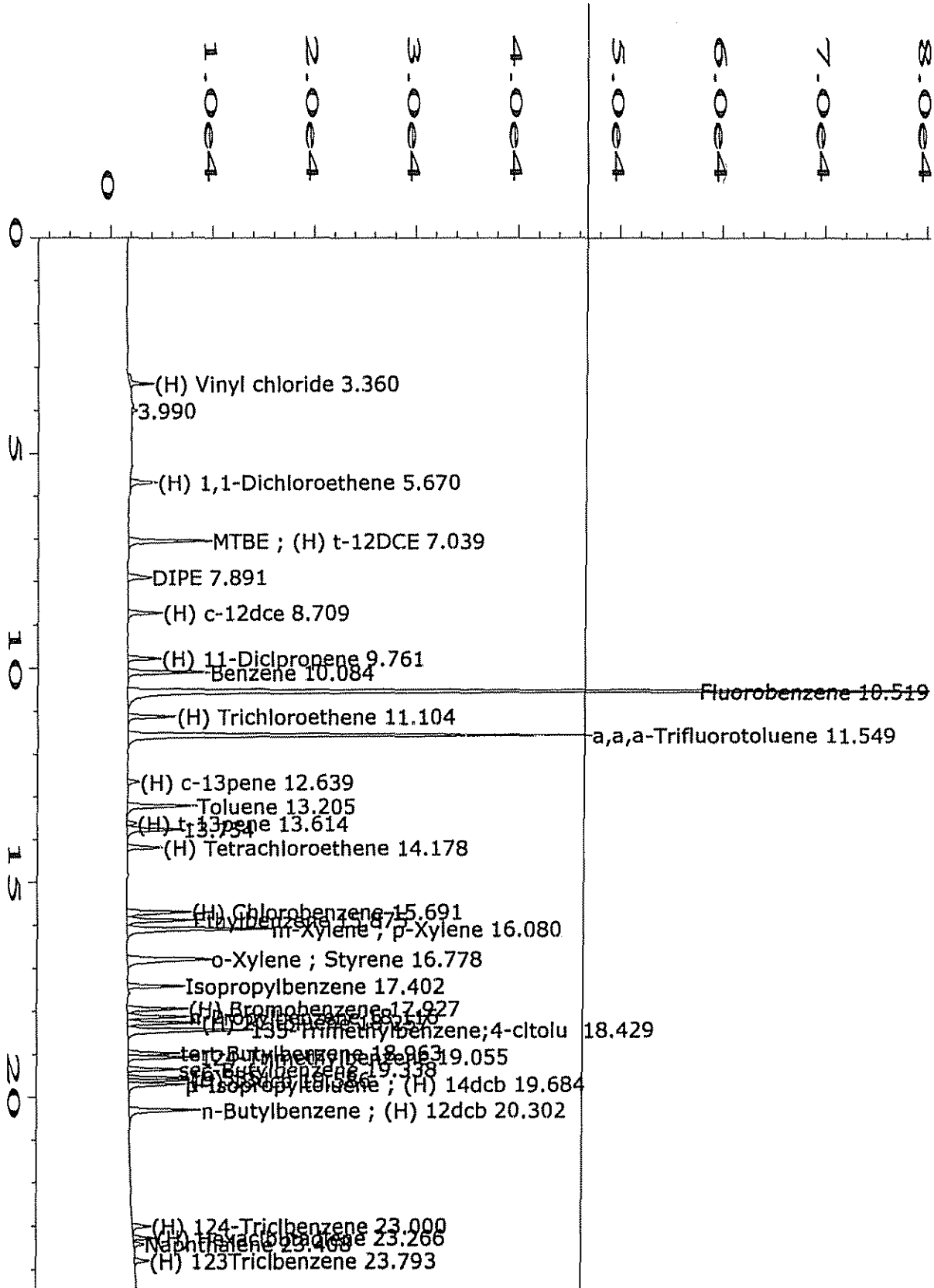
Data File Name : C:\HPCHEM\1\DATA\071505\008R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v1
Run Time Bar Code:
Acquired on : 15 Jul 05 12:10 PM
Report Created on: 18 Jul 05 09:10 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

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

Sig. 2 in C:\HPCHEM\1\DATA\071505\008R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.360	9930	BB	0.059	1	0.867	(H) Vinyl chloride
5.670	13735	BB	0.078	1	0.745	(H) 1,1-Dichloroethene
7.039	36683	BB	0.068	1	1.628	MTBE ; (H) t-12DCE
7.891	13188	BB	0.084	1	0.909	DIPE
8.709	14904	BB	0.065	1	0.867	(H) c-12dce
9.761	13829	BB	0.064	1	0.854	(H) 11-Diclpropene
10.084	33063	BB	0.062	1	0.800	Benzene
10.519	362013	BV	0.063	1-I	40.000	Fluorobenzene
11.104	19881	VB	0.062	1	0.870	(H) Trichloroethene
11.549	196429	BV	0.067	1	100.606	a,a,a-Trifluorotoluene
12.639	5507	BB	0.068	1	1.018	(H) c-13pene
13.205	31136	BV	0.068	1	0.866	Toluene
13.614	4319	VV	0.066	1	1.121	(H) t-13pene
14.178	14944	VB	0.065	1	0.847	(H) Tetrachloroethene
15.691	27753	BV	0.065	1	0.862	(H) Chlorobenzene
15.875	28154	VV	0.065	1	0.780	Ethylbenzene
16.080	64039	VV	0.067	1	1.459	m-Xylene ; p-Xylene
16.778	50312	BV	0.094	1	1.572	o-Xylene ; Styrene
17.402	21250	BV	0.059	1	0.811	Isopropylbenzene
17.927	25183	BV	0.058	1	0.834	(H) Bromobenzene
18.116	23534	VV	0.060	1	0.765	n-Propylbenzene
18.257	27045	VV	0.058	1	0.729	(H) 2Cltoluene
18.429	61629	VV	0.075	1	1.323	135-Trimethylbenzene;4-cltolu
18.963	18646	BV	0.055	1	0.718	tert-Butylbenzene
19.055	26481	VV	0.057	1	0.802	124-Trimethylbenzene
19.338	18823	PV	0.058	1	0.766	sec-Butylbenzene
19.586	21137	VV	0.053	1	0.639	(H) 13dcb
19.684	24285	VB	0.063	1	1.562	p-Isopropyltoluene ; (H) 14dcb
20.302	32934	BB	0.070	1	1.594	n-Butylbenzene ; (H) 12dcb
23.000	7909	BV	0.063	1	0.965	(H) 124-Triclbenzene
23.266	8131	VV	0.057	1	0.674	(H) Hexaclbutadiene
23.408	5027	VV	0.072	1	1.167	Naphthalene
23.793	6416	VB	0.061	1	1.008	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\008R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 8
Sample Name	: v1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 12:10 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 18 Jul 05 09:10 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

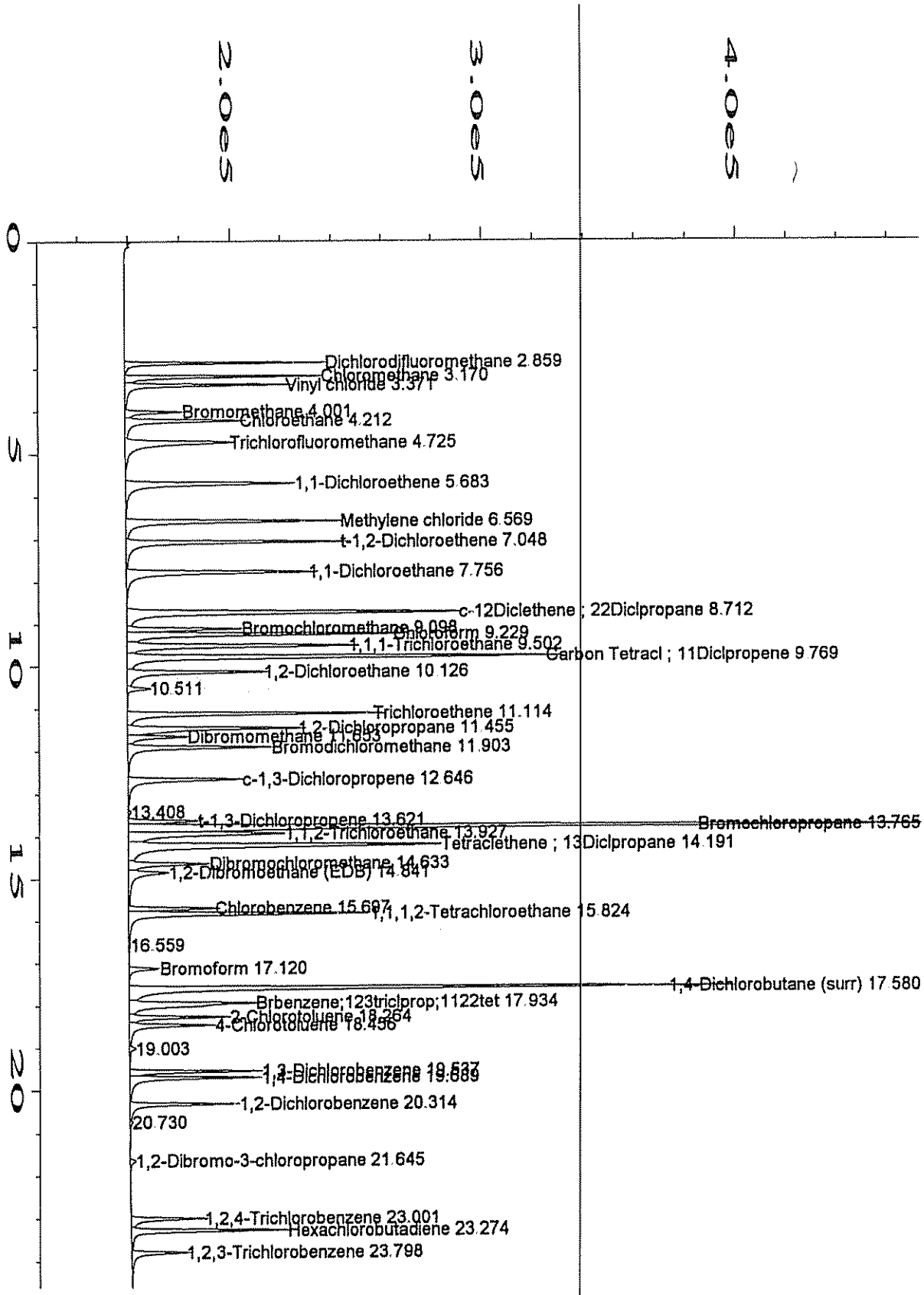
Data File Name : C:\HPCHEM\1\DATA\071505\009F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v2
Run Time Bar Code:
Acquired on : 15 Jul 05 12:41 PM
Report Created on: 18 Jul 05 09:10 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

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\071505\009F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.859	221564	BV	0.043	1	1.791	Dichlorodifluoromethane
3.170	268956	VV	0.051	1	1.814	Chloromethane
3.371	259923	VV	0.060	1	1.861	Vinyl chloride
4.001	95094	VV	0.064	1	1.832	Bromomethane
4.212	239987	VV	0.072	1	1.841	Chloroethane
4.725	313657	VV	0.102	1	1.847	Trichlorofluoromethane
5.683	379773	VV	0.083	1	1.903	1,1-Dichloroethene
6.569	417476	VV	0.073	1	1.918	Methylene chloride
7.048	415406	VV	0.070	1	1.932	t-1,2-Dichloroethene
7.756	424368	VV	0.085	1	1.936	1,1-Dichloroethane
8.712	714635	VV	0.083	1	3.817	c-12Diclethene ; 22Diclpropane
9.098	188673	VV	0.064	1	1.878	Bromochloromethane
9.229	529762	VV	0.075	1	1.920	Chloroform
9.502	484449	VV	0.085	1	1.903	1,1,1-Trichloroethane
9.769	851740	VV	0.078	1	3.777	Carbon Tetracl ; 11Diclpropene
10.126	287814	VV	0.078	1	1.895	1,2-Dichloroethane
11.114	443008	BV	0.066	1	1.879	Trichloroethene
11.455	369393	VV	0.080	1	1.926	1,2-Dichloropropane
11.653	115975	VV	0.072	1	1.846	Dibromomethane
11.903	289135	VV	0.075	1	1.897	Bromodichloromethane
12.646	241771	VV	0.077	1	1.860	c-1,3-Dichloropropene
13.621	118696	VV	0.065	1	1.858	t-1,3-Dichloropropene
13.765	1627388	VV	0.076	1-I	40.000	Bromochloropropane
13.927	359362	VV	0.083	1	1.854	1,1,2-Trichloroethane
14.191	751738	VV	0.087	1	3.836	Tetraclethene ; 13Diclpropane
14.633	161377	VV	0.072	1	1.878	Dibromochloromethane
14.841	136240	VV	0.115	1	2.045	1,2-Dibromoethane (EDB)
15.697	143901	VV	0.063	1	1.940	Chlorobenzene
15.824	463474	VV	0.072	1	1.943	1,1,1,2-Tetrachloroethane
17.120	60770	BV	0.074	1	1.888	Bromoform
17.580	1041665	PV	0.066	1	97.425	1,4-Dichlorobutane (surr)
17.934	349078	VV	0.095	1	5.617	Brbenzene;123triclprop;1122tet
18.264	165479	VV	0.064	1	1.901	2-Chlorotoluene
18.456	174205	VV	0.073	1	1.914	4-Chlorotoluene
19.537	195732	PV	0.058	1	1.887	1,3-Dichlorobenzene
19.689	244373	VV	0.067	1	1.912	1,4-Dichlorobenzene
20.314	187846	VV	0.067	1	1.881	1,2-Dichlorobenzene
21.645	15476	BB	0.093	1	1.828	1,2-Dibromo-3-chloropropane
23.001	137165	BV	0.067	1	1.884	1,2,4-Trichlorobenzene
23.274	262888	VV	0.064	1	1.898	Hexachlorobutadiene
23.798	120149	VB	0.073	1	1.964	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\009F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 9
Sample Name	: v2	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 12:41 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	18 Jul 05 09:10 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

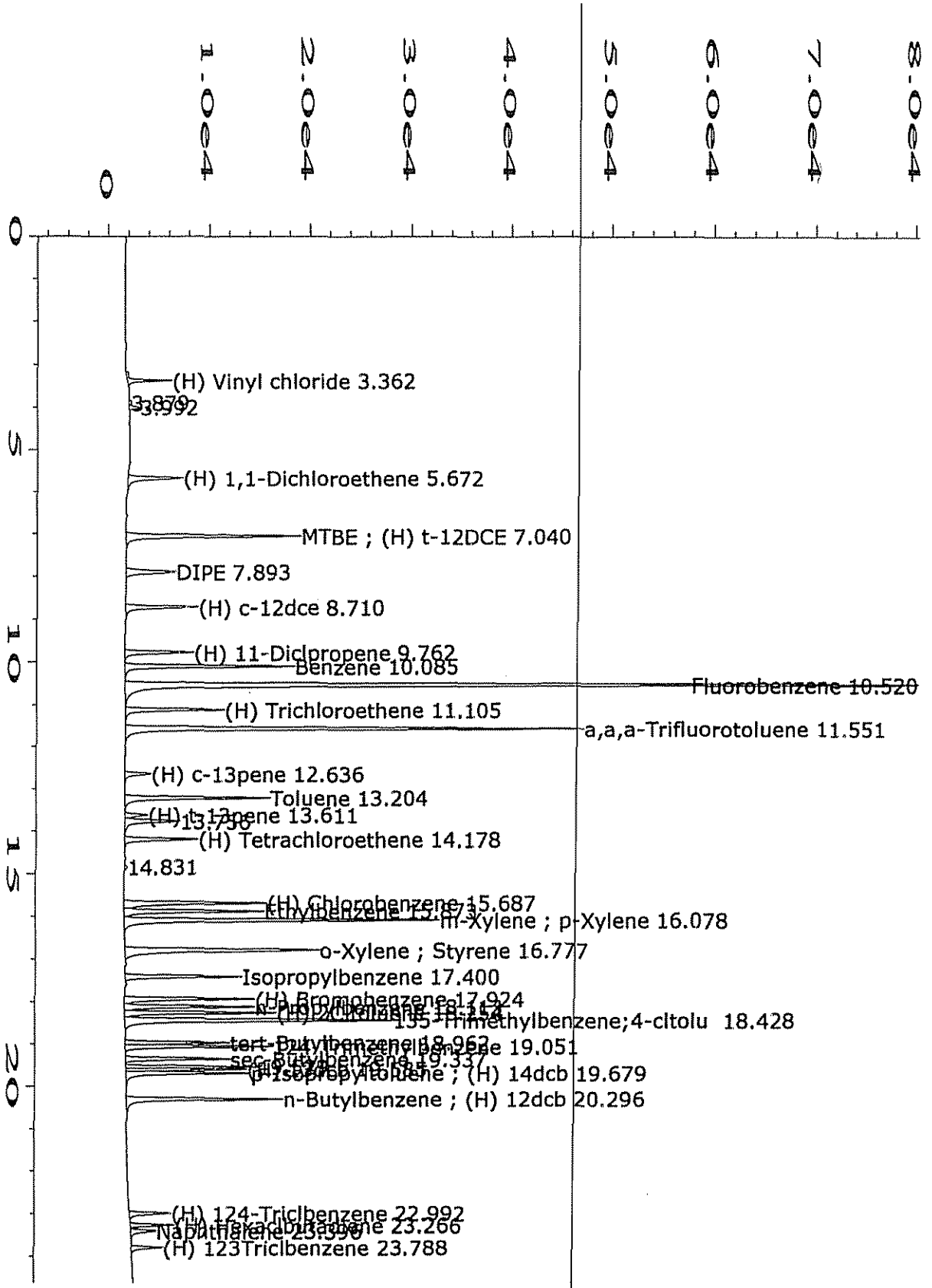
Data File Name : C:\HPCHEM\1\DATA\071505\009R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v2
Run Time Bar Code:
Acquired on : 15 Jul 05 12:41 PM
Report Created on: 18 Jul 05 09:10 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

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\071505\009R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.362	16568	PB	0.054	1	2.044	(H) Vinyl chloride
5.672	28072	BB	0.077	1	1.867	(H) 1,1-Dichloroethene
7.040	75842	BB	0.065	1	3.774	MTBE ; (H) t-12DCE
7.893	27464	BB	0.085	1	1.966	DIPE
8.710	30944	BB	0.065	1	1.950	(H) c-12dce
9.762	28664	BV	0.064	1	1.948	(H) 11-Diclpropene
10.085	68599	VV	0.062	1	1.897	Benzene
10.520	361537	VV	0.061	1-I	40.000	Fluorobenzene
11.105	40196	VB	0.061	1	1.959	(H) Trichloroethene
11.551	196108	BB	0.067	1	100.574	a,a,a-Trifluorotoluene
12.636	11630	BB	0.067	1	2.040	(H) c-13pene
13.204	63513	BV	0.067	1	1.943	Toluene
13.611	10100	VV	0.067	1	2.023	(H) t-13pene
14.178	30508	VB	0.065	1	1.936	(H) Tetrachloroethene
15.687	58176	BV	0.062	1	1.916	(H) Chlorobenzene
15.873	57024	VV	0.062	1	1.869	Ethylbenzene
16.078	130747	VB	0.064	1	3.675	m-Xylene ; p-Xylene
16.777	103944	BV	0.083	1	3.703	o-Xylene ; Styrene
17.400	43213	BV	0.058	1	1.885	Isopropylbenzene
17.924	51312	BV	0.058	1	1.868	(H) Bromobenzene
18.113	48155	VV	0.057	1	1.848	n-Propylbenzene
18.254	54357	VV	0.055	1	1.820	(H) 2Cltoluene
18.428	125055	VV	0.070	1	3.524	135-Trimethylbenzene;4-cltolu
18.962	37785	BV	0.056	1	1.825	tert-Butylbenzene
19.051	53424	VV	0.055	1	1.860	124-Trimethylbenzene
19.337	38161	PV	0.057	1	1.851	sec-Butylbenzene
19.585	40301	VV	0.051	1	1.756	(H) 13dcb
19.679	48395	VB	0.057	1	3.629	p-Isopropyltoluene ; (H) 14dcb
20.296	66527	BB	0.063	1	3.682	n-Butylbenzene ; (H) 12dcb
22.992	15211	BV	0.056	1	1.833	(H) 124-Triclbenzene
23.266	15201	VV	0.054	1	1.769	(H) Hexaclbutadiene
23.396	10208	VB	0.059	1	1.986	Naphthalene
23.788	12144	BV	0.058	1	1.951	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\009R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 9
Sample Name	: v2	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 12:41 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 18 Jul 05 09:10 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

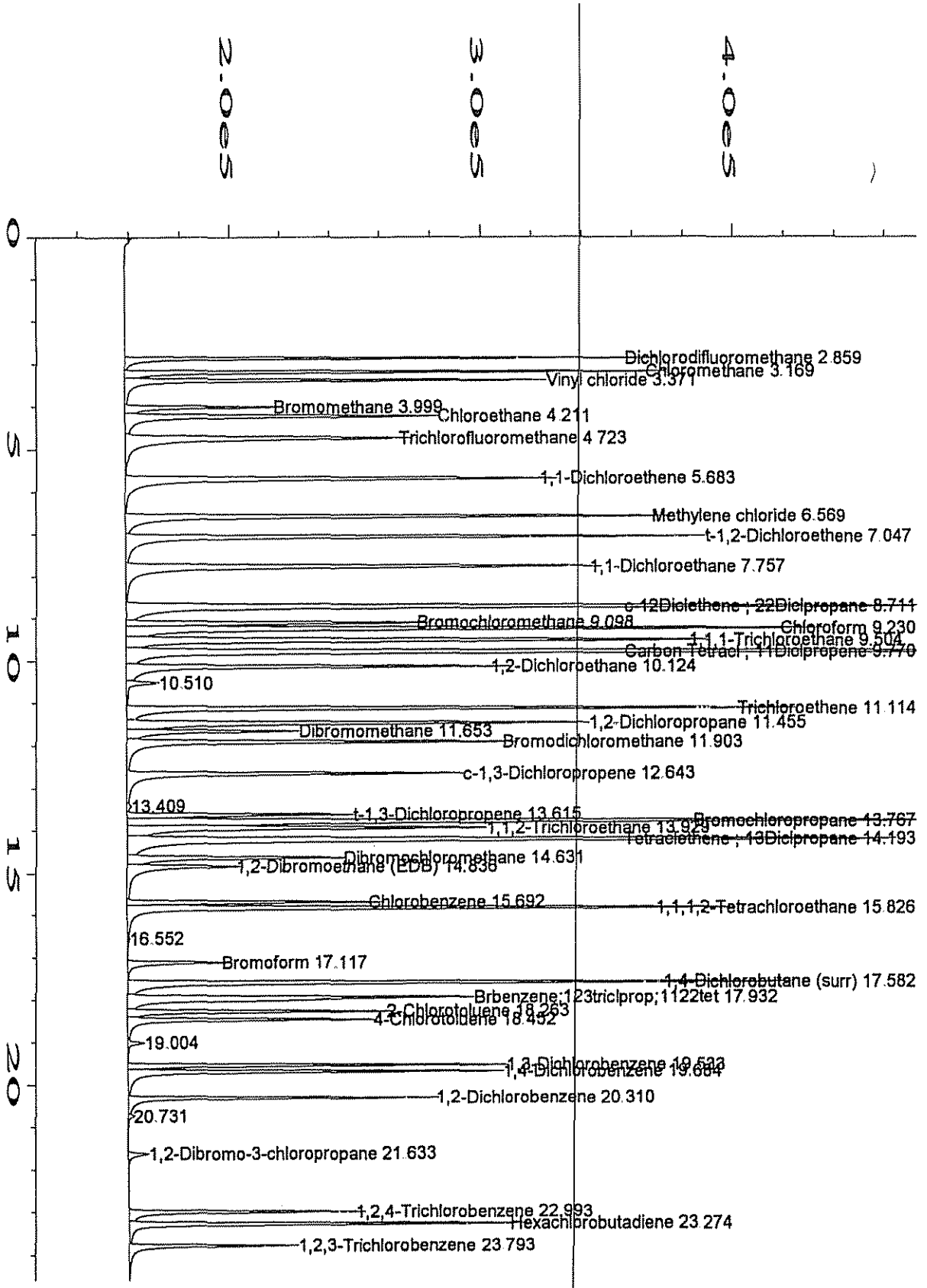
Data File Name : C:\HPCHEM\1\DATA\071505\010F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v5
Run Time Bar Code:
Acquired on : 15 Jul 05 01:12 PM
Report Created on: 18 Jul 05 09:10 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

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

Sig. 1 in C:\HPCHEM\1\DATA\071505\010F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.859	584930	BV	0.042	1	5.683	Dichlorodifluoromethane
3.169	691068	VV	0.048	1	5.654	Chloromethane
3.371	624492	VV	0.055	1	5.616	Vinyl chloride
3.999	252040	VV	0.063	1	5.204	Bromomethane
4.211	614100	VV	0.073	1	5.572	Chloroethane
4.723	795028	VV	0.103	1	5.506	Trichlorofluoromethane
5.683	974896	VV	0.086	1	5.632	1,1-Dichloroethene
6.569	1045317	VV	0.074	1	5.705	Methylene chloride
7.047	1049719	VV	0.068	1	5.705	t-1,2-Dichloroethene
7.757	1074666	VV	0.086	1	5.690	1,1-Dichloroethane
8.711	1791184	VV	0.078	1	11.589	c-12Diclethene ; 22Diclpropane
9.098	514112	VV	0.066	1	5.626	Bromochloromethane
9.230	1316328	VV	0.071	1	5.760	Chloroform
9.504	1220095	VV	0.082	1	5.742	1,1,1-Trichloroethane
9.770	2104006	VV	0.077	1	11.792	Carbon Tetracl ; 11Diclpropene
10.124	736294	VV	0.073	1	5.704	1,2-Dichloroethane
11.114	1133170	VV	0.067	1	5.724	Trichloroethene
11.455	891771	VV	0.072	1	5.709	1,2-Dichloropropane
11.653	328573	VV	0.069	1	5.497	Dibromomethane
11.903	770477	VV	0.076	1	5.612	Bromodichloromethane
12.643	658096	VV	0.072	1	5.574	c-1,3-Dichloropropene
13.615	373401	VV	0.061	1	5.142	t-1,3-Dichloropropene
13.767	1707072	VV	0.076	1-I	40.000	Bromochloropropane
13.929	759850	VV	0.077	1	5.682	1,1,2-Trichloroethane
14.193	1765266	VV	0.087	1	11.492	Tetraclethene ; 13Diclpropane
14.631	421268	VV	0.075	1	5.463	Dibromochloromethane
14.836	322607	VV	0.103	1	5.454	1,2-Dibromoethane (EDB)
15.692	389437	VV	0.063	1	5.382	Chlorobenzene
15.826	1129642	VV	0.070	1	5.747	1,1,1,2-Tetrachloroethane
17.117	184490	BV	0.071	1	5.116	Bromoform
17.582	1090948	VV	0.066	1	97.271	1,4-Dichlorobutane (surr)
17.932	852784	VV	0.085	1	16.419	Brbenzene;123triclprop;1122tet
18.263	411031	VV	0.060	1	5.490	2-Chlorotoluene
18.452	422378	VV	0.064	1	5.536	4-Chlorotoluene
19.533	531589	PV	0.054	1	5.565	1,3-Dichlorobenzene
19.684	614165	VV	0.063	1	5.689	1,4-Dichlorobenzene
20.310	492370	VV	0.061	1	5.632	1,2-Dichlorobenzene
21.633	45489	BV	0.077	1	4.701	1,2-Dibromo-3-chloropropane
22.993	369083	BV	0.061	1	5.422	1,2,4-Trichlorobenzene
23.274	626562	VV	0.061	1	5.742	Hexachlorobutadiene
23.793	293419	VBA	0.063	1	5.440	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name : C:\HPCHEM\1\DATA\071505\010F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v5
Run Time Bar Code:
Acquired on : 15 Jul 05 01:12 PM
Report Created on: 18 Jul 05 09:10 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 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

Internal Standard Report

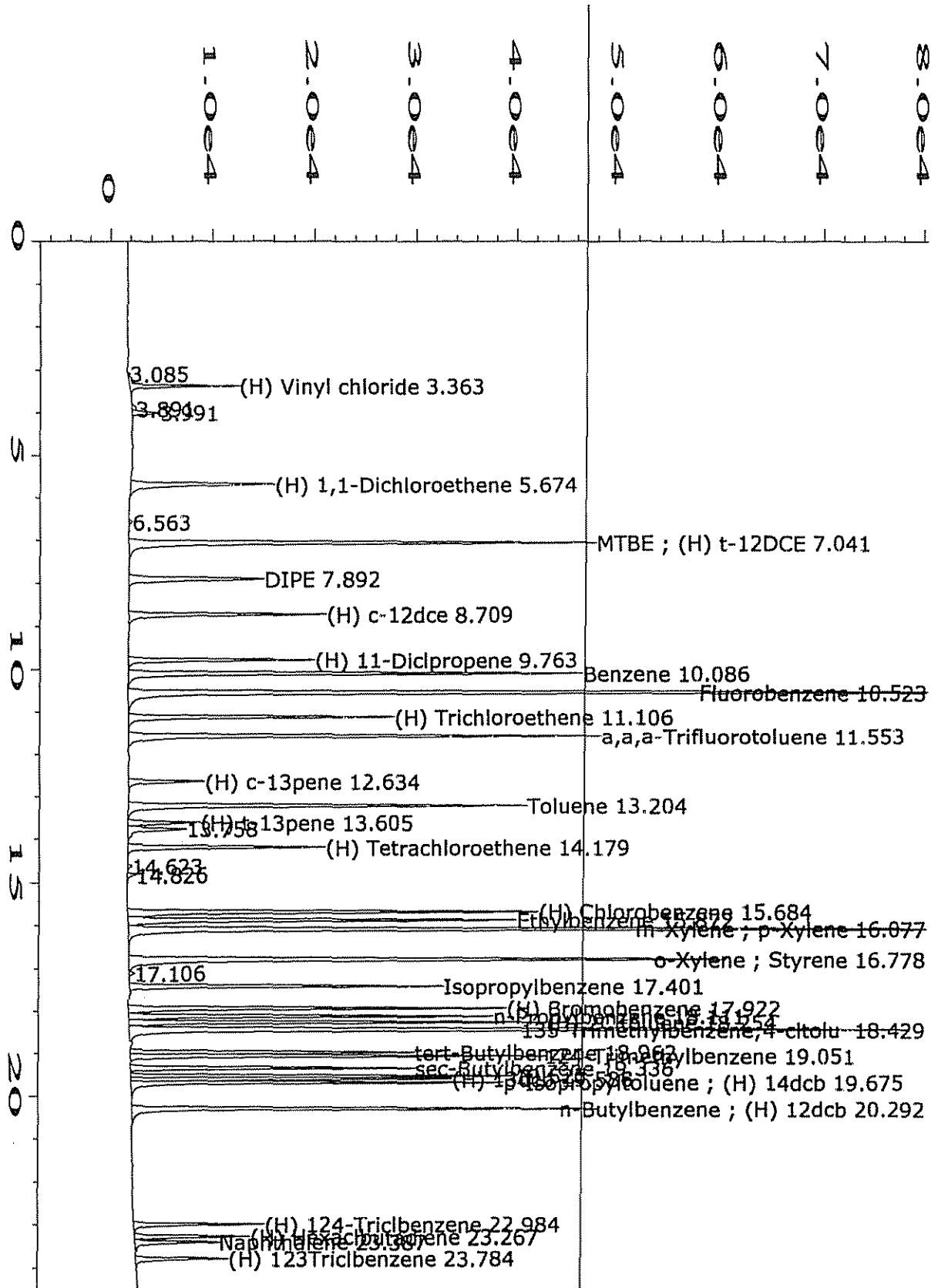
Data File Name : C:\HPCHEM\1\DATA\071505\010R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v5
Run Time Bar Code:
Acquired on : 15 Jul 05 01:12 PM
Report Created on: 18 Jul 05 09:10 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

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

Sig. 2 in C:\HPCHEM\1\DATA\071505\010R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.363	36311	VB	0.049	1	5.401	(H) Vinyl chloride
5.674	72553	BB	0.077	1	5.222	(H) 1,1-Dichloroethene
7.041	200163	BB	0.065	1	10.343	MTBE ; (H) t-12DCE
7.892	72250	BV	0.084	1	5.165	DIPE
8.709	80482	BV	0.063	1	5.173	(H) c-12dce
9.763	74607	BV	0.063	1	5.218	(H) 11-Diclpropene
10.086	179904	VV	0.062	1	5.211	Benzene
10.523	369412	VV	0.063	1-I	40.000	Fluorobenzene
11.106	102674	VV	0.060	1	5.188	(H) Trichloroethene
11.553	203988	VB	0.068	1	102.385	a,a,a-Trifluorotoluene
12.634	31305	BB	0.063	1	5.210	(H) c-13pene
13.204	165299	BV	0.065	1	5.208	Toluene
13.605	29994	VV	0.064	1	5.024	(H) t-13pene
14.179	78962	VB	0.064	1	5.206	(H) Tetrachloroethene
15.684	156006	BV	0.059	1	5.188	(H) Chlorobenzene
15.872	149142	VV	0.060	1	5.219	Ethylbenzene
16.077	344801	VB	0.061	1	10.534	m-Xylene ; p-Xylene
16.778	281171	BV	0.074	1	10.497	o-Xylene ; Styrene
17.401	114581	BV	0.058	1	5.251	Isopropylbenzene
17.922	138049	BV	0.056	1	5.179	(H) Bromobenzene
18.111	128336	VV	0.053	1	5.252	n-Propylbenzene
18.254	143794	VV	0.054	1	5.266	(H) 2Cltoluene
18.429	335687	VV	0.060	1	10.574	135-Trimethylbenzene;4-cltolu
18.962	99763	VV	0.056	1	5.281	tert-Butylbenzene
19.051	142079	VV	0.053	1	5.219	124-Trimethylbenzene
19.336	100849	PV	0.056	1	5.240	sec-Butylbenzene
19.586	99776	VV	0.048	1	5.096	(H) 13dcb
19.675	130362	VB	0.054	1	10.408	p-Isopropyltoluene ; (H) 14dcb
20.292	178860	BV	0.061	1	10.418	n-Butylbenzene ; (H) 12dcb
22.984	44683	BV	0.053	1	5.217	(H) 124-Triclbenzene
23.267	39144	VV	0.054	1	5.345	(H) Hexaclbutadiene
23.387	30469	VB	0.054	1	5.080	Naphthalene
23.784	32402	BB	0.053	1	5.167	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\010R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 10
Sample Name	: v5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 01:12 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	18 Jul 05 09:10 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

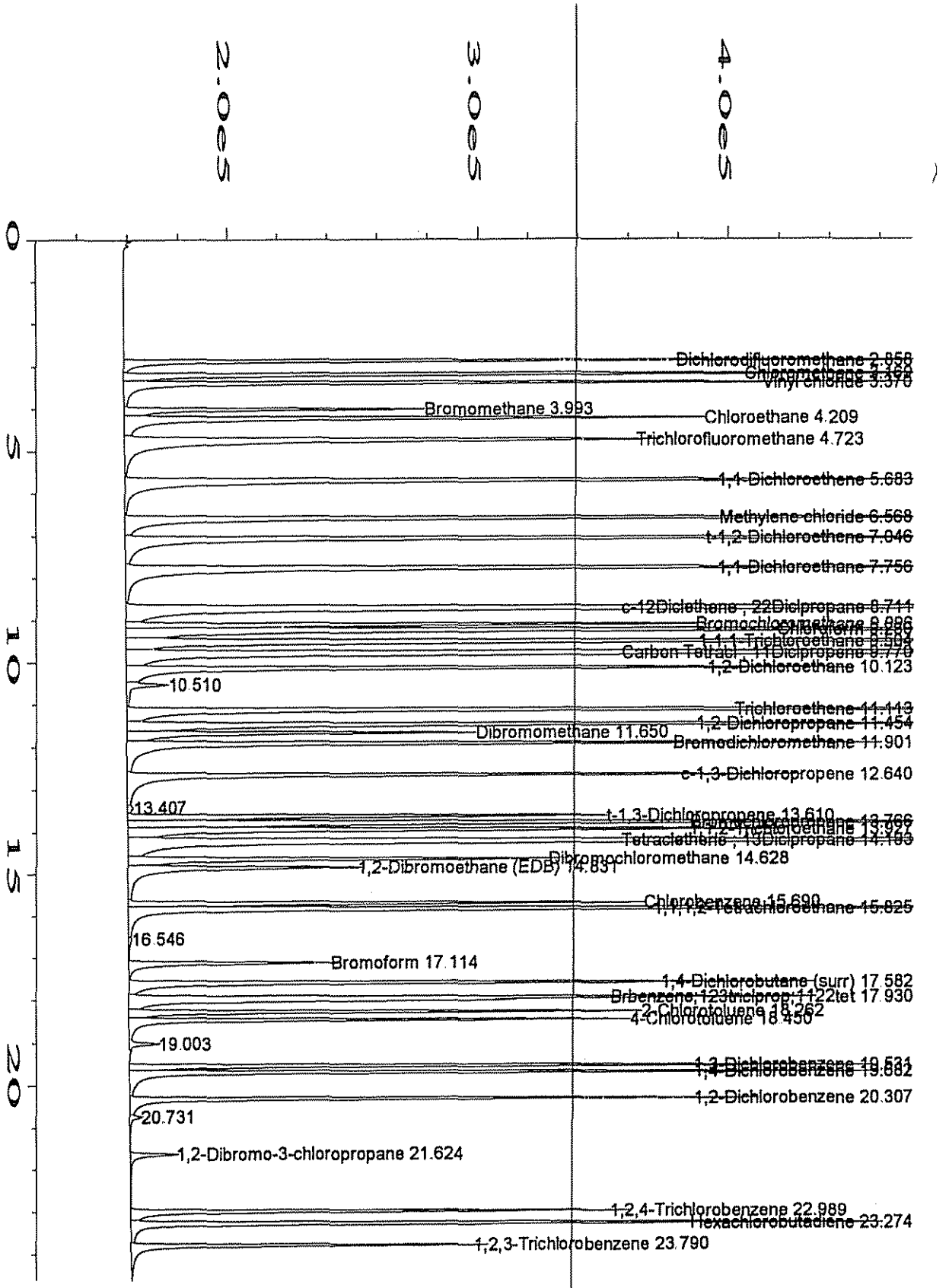
Data File Name : C:\HPCHEM\1\DATA\071505\011F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v10
Run Time Bar Code:
Acquired on : 15 Jul 05 01:43 PM
Report Created on: 18 Jul 05 09:10 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

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

Sig. 1 in C:\HPCHEM\1\DATA\071505\011F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.858	1099123	BV	0.043	1	10.960	Dichlorodifluoromethane
3.169	1292300	VV	0.049	1	10.900	Chloromethane
3.370	1159698	VV	0.054	1	10.919	Vinyl chloride
3.993	511381	VV	0.064	1	10.571	Bromomethane
4.209	1150068	VV	0.076	1	10.698	Chloroethane
4.723	1517600	VV	0.105	1	10.786	Trichlorofluoromethane
5.683	1849289	VV	0.087	1	10.892	1,1-Dichloroethene
6.568	1936759	VV	0.071	1	10.865	Methylene chloride
7.046	1946094	VV	0.070	1	10.818	t-1,2-Dichloroethene
7.756	2005095	VV	0.086	1	10.844	1,1-Dichloroethane
8.711	3295259	VV	0.079	1	22.000	c-12Diclethene ; 22Diclpropane
9.096	969009	VV	0.064	1	10.639	Bromochloromethane
9.230	2427123	VV	0.075	1	10.962	Chloroform
9.504	2262807	VV	0.082	1	10.964	1,1,1-Trichloroethane
9.770	3844050	VV	0.076	1	22.472	Carbon Tetracl ; 11Diclpropene
10.123	1377408	VV	0.071	1	10.928	1,2-Dichloroethane
11.113	2135459	VV	0.067	1	11.084	Trichloroethene
11.454	1633617	VV	0.073	1	10.869	1,2-Dichloropropane
11.650	646345	VV	0.067	1	10.728	Dibromomethane
11.901	1467243	VV	0.073	1	10.768	Bromodichloromethane
12.640	1279571	VV	0.073	1	10.893	c-1,3-Dichloropropene
13.610	800398	VV	0.064	1	10.426	t-1,3-Dichloropropene
13.766	1765314	VV	0.076	1-I	40.000	Bromochloropropane
13.927	1325964	VV	0.075	1	10.904	1,1,2-Trichloroethane
14.193	3256674	VV	0.084	1	22.339	Tetraclethene ; 13Diclpropane
14.628	817775	VV	0.070	1	10.720	Dibromochloromethane
14.831	612191	VV	0.093	1	10.564	1,2-Dibromoethane (EDB)
15.690	779036	VV	0.057	1	10.633	Chlorobenzene
15.825	2090601	VV	0.073	1	11.021	1,1,1,2-Tetrachloroethane
17.114	385316	VV	0.069	1	10.145	Bromoform
17.582	1127622	VV	0.065	1	97.224	1,4-Dichlorobutane (surr)
17.930	1622515	VV	0.087	1	32.318	Brbenzene;123triclprop;1122tet
18.262	783179	VV	0.058	1	10.725	2-Chlorotoluene
18.450	794708	VV	0.059	1	10.765	4-Chlorotoluene
19.531	1021832	PV	0.055	1	10.712	1,3-Dichlorobenzene
19.682	1143707	VV	0.057	1	10.879	1,4-Dichlorobenzene
20.307	936278	VV	0.058	1	10.878	1,2-Dichlorobenzene
21.624	108460	BB	0.078	1	10.533	1,2-Dibromo-3-chloropropane
22.989	733415	BV	0.058	1	10.767	1,2,4-Trichlorobenzene
23.274	1165883	VV	0.061	1	11.231	Hexachlorobutadiene
23.790	571297	VBA	0.060	1	10.818	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\011F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 11
Sample Name	: v10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 01:43 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 18 Jul 05 09:10 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

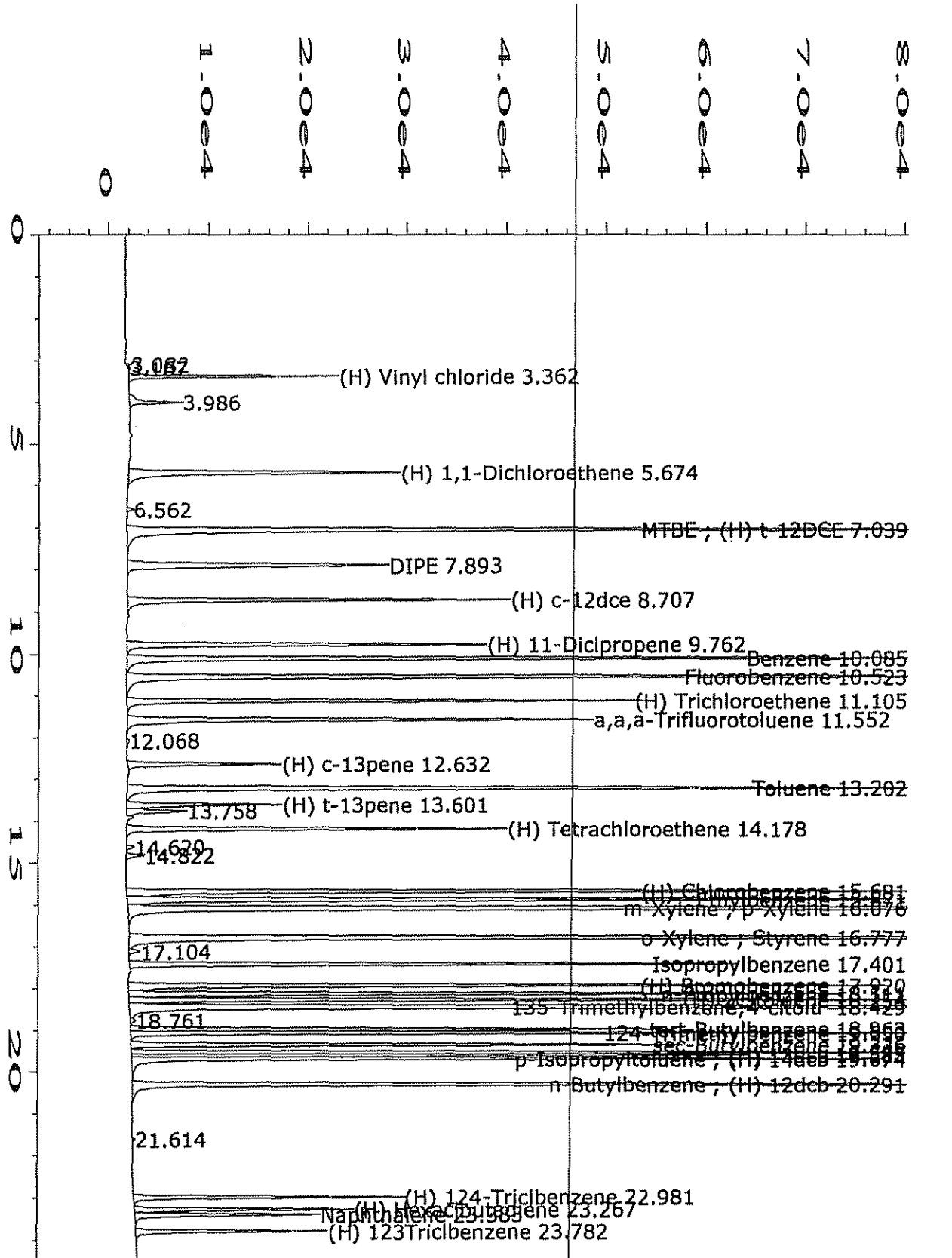
Data File Name : C:\HPCHEM\1\DATA\071505\011R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v10
Run Time Bar Code:
Acquired on : 15 Jul 05 01:43 PM
Report Created on: 18 Jul 05 09:10 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

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

Sig. 2 in C:\HPCHEM\1\DATA\071505\011R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.362	62670	BB	0.045	1	9.809	(H) Vinyl chloride
5.674	141748	BB	0.078	1	10.358	(H) 1,1-Dichloroethene
7.039	396413	BB	0.065	1	20.549	MTBE ; (H) t-12DCE
7.893	142567	BB	0.083	1	10.107	DIPE
8.707	158517	BV	0.063	1	10.171	(H) c-12dce
9.762	146025	BV	0.063	1	10.218	(H) 11-Diclpropene
10.085	354326	VV	0.062	1	10.320	Benzene
10.523	374806	VV	0.062	1-I	40.000	Fluorobenzene
11.105	200828	VV	0.059	1	10.182	(H) Trichloroethene
11.552	211652	VV	0.069	1	104.703	a,a,a-Trifluorotoluene
12.632	60557	BV	0.060	1	9.843	(H) c-13pene
13.202	324460	BV	0.063	1	10.232	Toluene
13.601	62466	VV	0.061	1	9.840	(H) t-13pene
14.178	154627	VB	0.062	1	10.231	(H) Tetrachloroethene
15.681	309961	BV	0.057	1	10.253	(H) Chlorobenzene
15.871	292759	VV	0.058	1	10.358	Ethylbenzene
16.076	672298	VB	0.060	1	20.856	m-Xylene ; p-Xylene
16.777	552690	BV	0.071	1	20.732	o-Xylene ; Styrene
17.401	224800	PV	0.058	1	10.365	Isopropylbenzene
17.920	274079	BV	0.053	1	10.287	(H) Bromobenzene
18.111	251843	VV	0.053	1	10.408	n-Propylbenzene
18.254	281155	VV	0.053	1	10.472	(H) 2Cltoluene
18.429	654970	VV	0.064	1	21.082	135-Trimethylbenzene;4-cltolu
18.963	194376	VV	0.055	1	10.469	tert-Butylbenzene
19.050	280205	VV	0.053	1	10.367	124-Trimethylbenzene
19.336	198052	VV	0.056	1	10.411	sec-Butylbenzene
19.585	197198	VV	0.048	1	10.486	(H) 13dcb
19.674	256326	VV	0.051	1	20.654	p-Isopropyltoluene ; (H) 14dcb
20.291	354451	BB	0.058	1	20.775	n-Butylbenzene ; (H) 12dcb
22.981	89939	BV	0.050	1	10.323	(H) 124-Triclbenzene
23.267	75667	VV	0.053	1	10.711	(H) Hexaclbutadiene
23.383	63132	VB	0.051	1	9.984	Naphthalene
23.782	65077	BV	0.051	1	10.273	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name : C:\HPCHEM\1\DATA\071505\011R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v10
Run Time Bar Code:
Acquired on : 15 Jul 05 01:43 PM
Report Created on: 18 Jul 05 09:10 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 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

Internal Standard Report

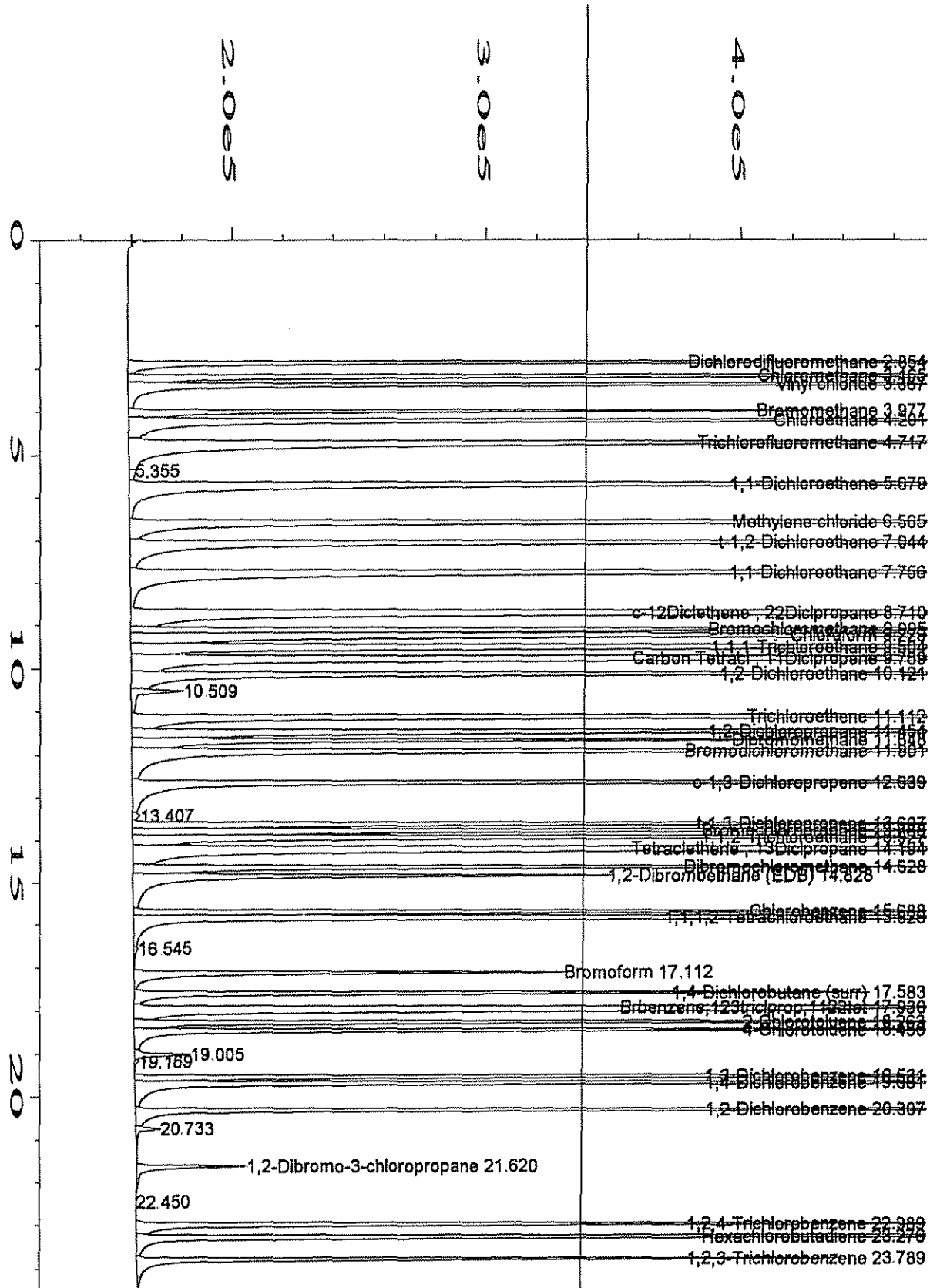
Data File Name : C:\HPCHEM\1\DATA\071505\012F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v20
Run Time Bar Code:
Acquired on : 15 Jul 05 02:13 PM
Report Created on: 18 Jul 05 09:10 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 12
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\071505\012F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.854	2063863	BV	0.042	1	20.471	Dichlorodifluoromethane
3.165	2443072	VV	0.051	1	20.554	Chloromethane
3.367	2167147	VV	0.054	1	20.514	Vinyl chloride
3.977	1017942	VV	0.053	1	20.634	Bromomethane
4.201	2218112	VV	0.073	1	20.539	Chloroethane
4.717	2905493	VV	0.103	1	20.533	Trichlorofluoromethane
5.679	3471406	VV	0.086	1	20.258	1,1-Dichloroethene
6.565	3595263	VV	0.072	1	20.088	Methylene chloride
7.044	3646039	VV	0.070	1	20.142	t-1,2-Dichloroethene
7.756	3740614	VV	0.085	1	20.078	1,1-Dichloroethane
8.710	6060547	VV	0.079	1	40.384	c-12Diclethene ; 22Diclpropane
9.095	1855304	VV	0.064	1	20.034	Bromochloromethane
9.229	4402541	VV	0.076	1	19.834	Chloroform
9.504	4138586	VV	0.080	1	19.973	1,1,1-Trichloroethane
9.769	6841971	VV	0.076	1	40.093	Carbon Tetracl ; 11Diclpropene
10.121	2527345	VV	0.072	1	19.910	1,2-Dichloroethane
11.112	3890868	VV	0.068	1	20.072	Trichloroethene
11.454	2998184	VV	0.071	1	19.986	1,2-Dichloropropane
11.648	1228924	VV	0.068	1	19.917	Dibromomethane
11.901	2764592	VV	0.072	1	19.982	Bromodichloromethane
12.639	2383640	VV	0.070	1	19.936	c-1,3-Dichloropropene
13.607	1617163	VV	0.063	1	20.106	t-1,3-Dichloropropene
13.768	1830992	VV	0.076	1-I	40.000	Bromochloropropane
13.927	2338142	VV	0.074	1	19.878	1,1,2-Trichloroethane
14.194	5827351	VV	0.082	1	40.239	Tetraclethene ; 13Diclpropane
14.628	1547837	VV	0.071	1	19.999	Dibromochloromethane
14.828	1168773	VV	0.088	1	20.005	1,2-Dibromoethane (EDB)
15.688	1499185	VV	0.059	1	19.932	Chlorobenzene
15.826	3776186	VV	0.071	1	19.883	1,1,1,2-Tetrachloroethane
17.112	779497	VV	0.067	1	19.613	Bromoform
17.583	1160269	VV	0.060	1	96.451	1,4-Dichlorobutane (surr)
17.930	2990034	VV	0.081	1	59.371	Brbenzene;123triclprop;1122tet
18.263	1463159	VV	0.060	1	19.896	2-Chlorotoluene
18.450	1474089	VV	0.061	1	19.920	4-Chlorotoluene
19.531	1936010	PV	0.055	1	19.922	1,3-Dichlorobenzene
19.681	2102506	VV	0.058	1	19.894	1,4-Dichlorobenzene
20.307	1736112	VV	0.058	1	19.937	1,2-Dichlorobenzene
21.620	215620	BV	0.073	1	19.975	1,2-Dibromo-3-chloropropane
22.989	1370029	PV	0.056	1	19.692	1,2,4-Trichlorobenzene
23.276	2055666	VV	0.063	1	19.879	Hexachlorobutadiene
23.789	1035437	VBA	0.056	1	19.392	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\012F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 12
Sample Name	: v20	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 02:13 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 18 Jul 05 09:10 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

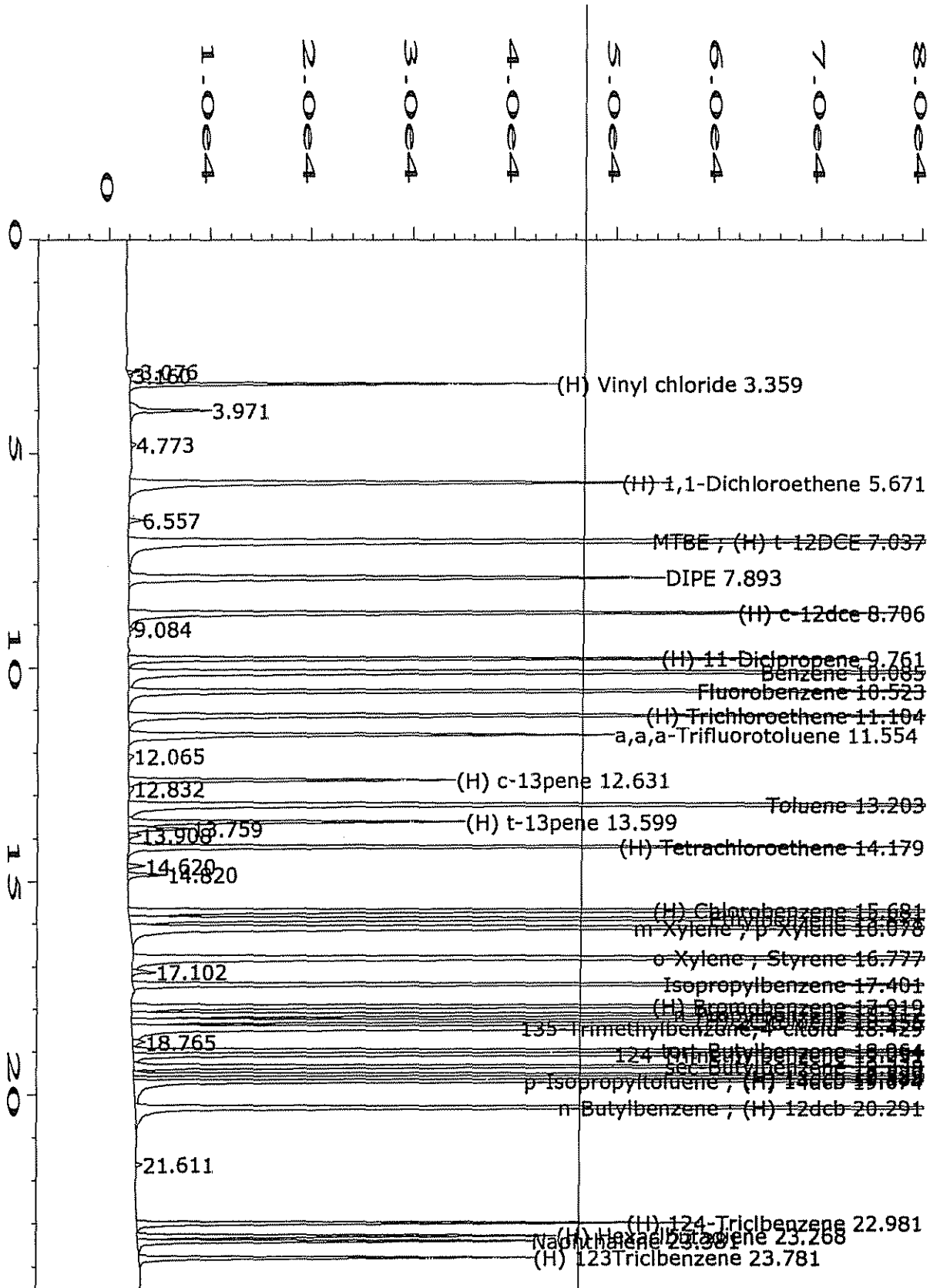
Data File Name : C:\HPCHEM\1\DATA\071505\012R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v20
Run Time Bar Code:
Acquired on : 15 Jul 05 02:13 PM
Report Created on: 18 Jul 05 09:10 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

Page Number : 1
Vial Number : 12
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\071505\012R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.359	124274	BB	0.045	1	20.054	(H) Vinyl chloride
5.671	279130	BB	0.077	1	20.448	(H) 1,1-Dichloroethene
7.037	788555	BV	0.066	1	40.721	MTBE ; (H) t-12DCE
7.893	286923	VV	0.083	1	20.148	DIPE
8.706	317539	BV	0.063	1	20.248	(H) c-12dce
9.761	290281	PV	0.062	1	20.213	(H) 11-Diclpropene
10.085	699338	VV	0.062	1	20.318	Benzene
10.523	379617	VV	0.062	1-I	40.000	Fluorobenzene
11.104	398837	VV	0.059	1	20.151	(H) Trichloroethene
11.554	224636	VV	0.071	1	109.718	a,a,a-Trifluorotoluene
12.631	124668	BV	0.059	1	19.902	(H) c-13pene
13.203	642404	BV	0.063	1	20.162	Toluene
13.599	130117	VV	0.060	1	19.763	(H) t-13pene
14.179	306400	VV	0.062	1	20.204	(H) Tetrachloroethene
15.681	614185	BV	0.056	1	20.151	(H) Chlorobenzene
15.871	575162	VV	0.058	1	20.354	Ethylbenzene
16.078	1312195	VB	0.059	1	40.805	m-Xylene ; p-Xylene
16.777	1084280	BV	0.068	1	40.551	o-Xylene ; Styrene
17.401	438734	PV	0.058	1	20.181	Isopropylbenzene
17.919	542352	BV	0.054	1	20.251	(H) Bromobenzene
18.112	492279	VV	0.055	1	20.337	n-Propylbenzene
18.256	546459	VV	0.053	1	20.416	(H) 2Cltoluene
18.429	1270547	VV	0.061	1	41.120	135-Trimethylbenzene;4-cltolu
18.964	377705	VV	0.056	1	20.413	tert-Butylbenzene
19.051	549393	VV	0.053	1	20.289	124-Trimethylbenzene
19.338	386891	VV	0.056	1	20.346	sec-Butylbenzene
19.588	377804	VV	0.048	1	20.363	(H) 13dcb
19.674	507339	VV	0.051	1	40.853	p-Isopropyltoluene ; (H) 14dcb
20.291	694694	VV	0.057	1	40.619	n-Butylbenzene ; (H) 12dcb
22.981	175761	BV	0.049	1	19.892	(H) 124-Triclbenzene
23.268	142273	VV	0.054	1	20.383	(H) Hexaclbutadiene
23.381	127813	VV	0.050	1	19.583	Naphthalene
23.781	126506	VV	0.050	1	19.758	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\012R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 12
Sample Name	: v20	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 02:13 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	18 Jul 05 09:10 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

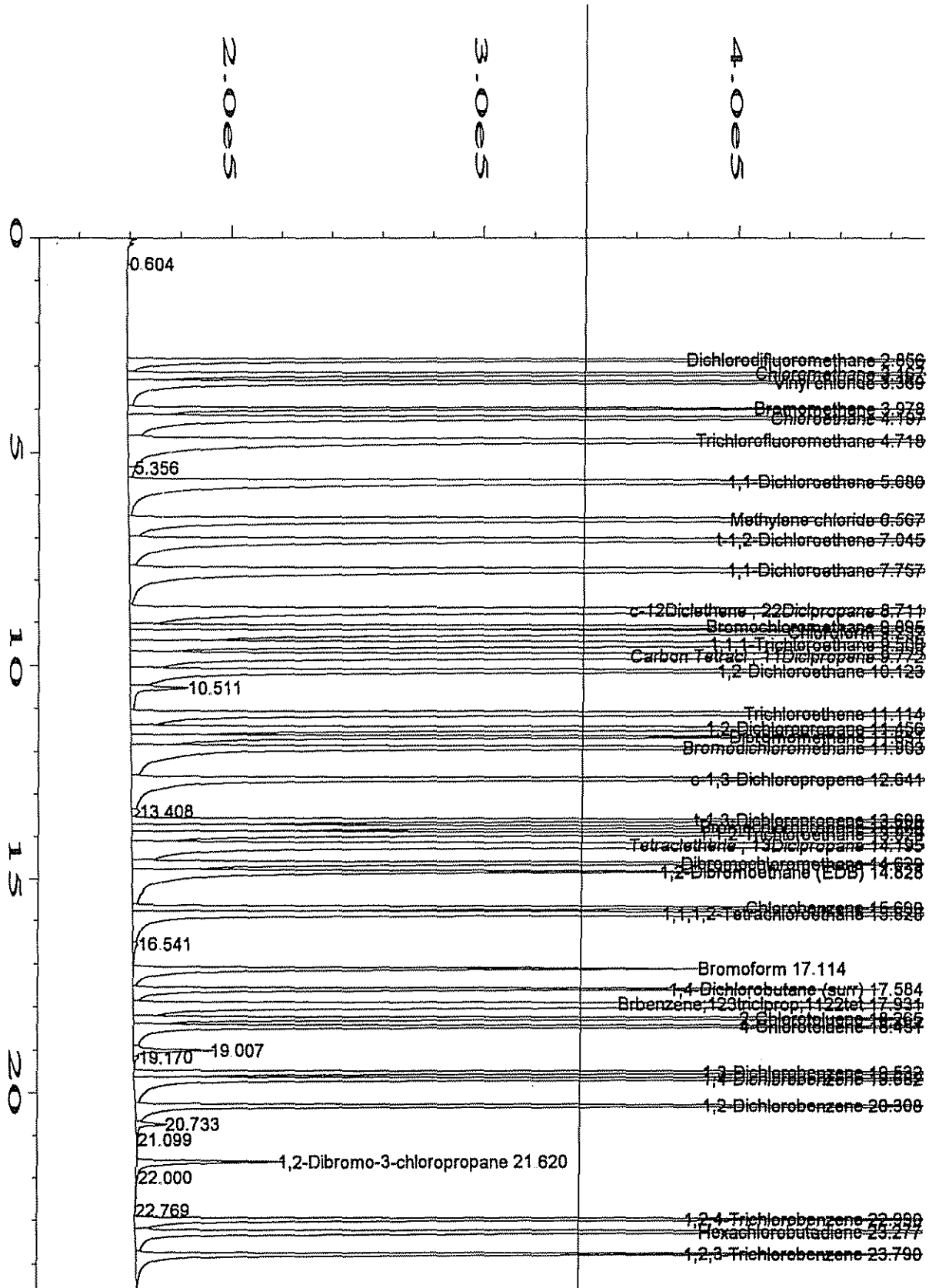
Data File Name : C:\HPCHEM\1\DATA\071505\013F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v25
Run Time Bar Code:
Acquired on : 15 Jul 05 02:44 PM
Report Created on: 18 Jul 05 09:10 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 13
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\071505\013F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.856	2434175	BV	0.043	1	24.149	Dichlorodifluoromethane
3.167	2864625	VV	0.049	1	24.110	Chloromethane
3.369	2545151	VV	0.055	1	24.139	Vinyl chloride
3.978	1199583	VV	0.053	1	24.251	Bromomethane
4.197	2614922	VV	0.079	1	24.213	Chloroethane
4.718	3424007	VV	0.108	1	24.195	Trichlorofluoromethane
5.680	4171922	VV	0.087	1	24.347	1,1-Dichloroethene
6.567	4373938	VV	0.076	1	24.479	Methylene chloride
7.045	4422316	VV	0.072	1	24.453	t-1,2-Dichloroethene
7.757	4559744	VV	0.089	1	24.496	1,1-Dichloroethane
8.711	7288773	VV	0.080	1	48.657	c-12Diclethene ; 22Diclpropane
9.095	2283006	VV	0.066	1	24.625	Bromochloromethane
9.232	5451485	VV	0.078	1	24.633	Chloroform
9.506	5071278	VV	0.080	1	24.526	1,1,1-Trichloroethane
9.772	8276594	VV	0.079	1	48.674	Carbon Tetracl ; 11Diclpropene
10.123	3117411	VV	0.070	1	24.597	1,2-Dichloroethane
11.114	4724328	VV	0.065	1	24.406	Trichloroethene
11.456	3671383	VV	0.069	1	24.557	1,2-Dichloropropane
11.651	1528281	VV	0.069	1	24.708	Dibromomethane
11.903	3408204	VV	0.075	1	24.618	Bromodichloromethane
12.641	2946103	VV	0.068	1	24.616	c-1,3-Dichloropropene
13.608	2004480	VV	0.064	1	24.737	t-1,3-Dichloropropene
13.770	1840848	VV	0.077	1-I	40.000	Bromochloropropane
13.929	2864720	VV	0.074	1	24.643	1,1,2-Trichloroethane
14.195	7017275	VV	0.089	1	48.660	Tetraclethene ; 13Diclpropane
14.629	1908815	VV	0.071	1	24.651	Dibromochloromethane
14.828	1441794	VV	0.089	1	24.697	1,2-Dibromoethane (EDB)
15.690	1867070	VV	0.059	1	24.748	Chlorobenzene
15.828	4652011	VV	0.071	1	24.573	1,1,1,2-Tetrachloroethane
17.114	1010600	VV	0.069	1	25.238	Bromoform
17.584	1179319	VV	0.062	1	97.509	1,4-Dichlorobutane (surr)
17.931	3735368	VV	0.085	1	74.383	Brbenzene;123triclprop;1122tet
18.265	1815554	VV	0.059	1	24.725	2-Chlorotoluene
18.451	1821828	VV	0.059	1	24.681	4-Chlorotoluene
19.532	2403157	PV	0.055	1	24.696	1,3-Dichlorobenzene
19.682	2597968	VV	0.059	1	24.631	1,4-Dichlorobenzene
20.308	2142188	VV	0.057	1	24.609	1,2-Dichlorobenzene
21.620	270645	BV	0.070	1	24.880	1,2-Dibromo-3-chloropropane
22.990	1733608	PV	0.055	1	24.882	1,2,4-Trichlorobenzene
23.277	2521420	VV	0.060	1	24.499	Hexachlorobutadiene
23.790	1337187	VBA	0.057	1	25.095	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\013F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 13
Sample Name	: v25	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 02:44 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	18 Jul 05 09:10 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

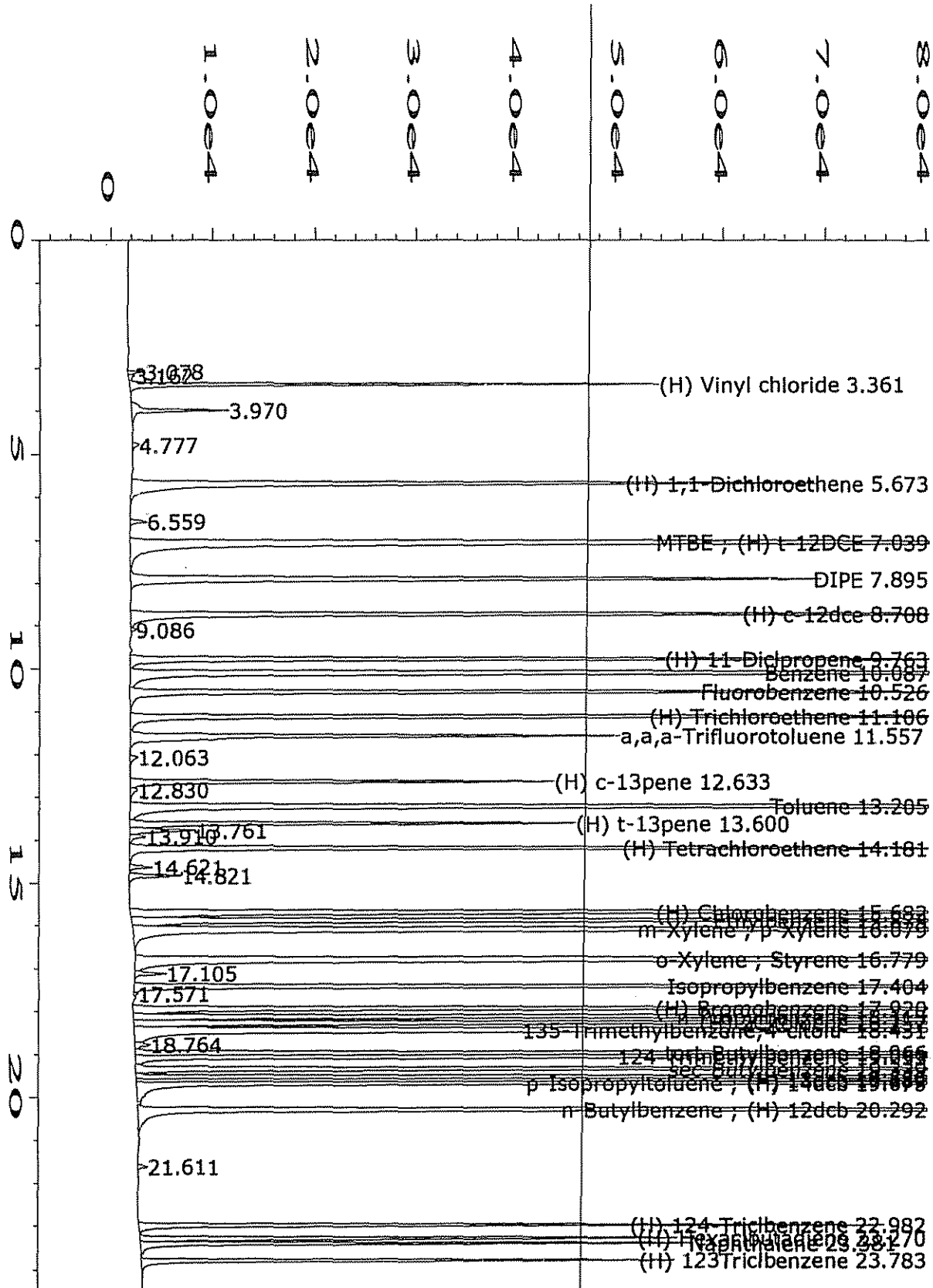
Data File Name : C:\HPCHEM\1\DATA\071505\013R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v25
Run Time Bar Code:
Acquired on : 15 Jul 05 02:44 PM
Report Created on: 18 Jul 05 09:11 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

Page Number : 1
Vial Number : 13
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\071505\013R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.361	154436	VB	0.045	1	24.944	(H) Vinyl chloride
5.673	349429	BB	0.077	1	25.487	(H) 1,1-Dichloroethene
7.039	999921	BV	0.067	1	51.349	MTBE ; (H) t-12DCE
7.895	367209	VV	0.084	1	25.612	DIPE
8.708	402594	BV	0.063	1	25.517	(H) c-12dce
9.763	367063	VV	0.062	1	25.412	(H) 11-Diclpropene
10.087	885162	VV	0.062	1	25.581	Benzene
10.526	382457	VV	0.062	1-I	40.000	Fluorobenzene
11.106	504472	VV	0.059	1	25.348	(H) Trichloroethene
11.557	232053	VV	0.072	1	112.499	a,a,a-Trifluorotoluene
12.633	160010	BV	0.059	1	25.327	(H) c-13pene
13.205	817231	VV	0.063	1	25.502	Toluene
13.600	168879	VV	0.059	1	25.331	(H) t-13pene
14.181	388680	VV	0.062	1	25.491	(H) Tetrachloroethene
15.682	784990	BV	0.057	1	25.591	(H) Chlorobenzene
15.873	727619	VV	0.058	1	25.629	Ethylbenzene
16.079	1658476	VB	0.059	1	51.360	m-Xylene ; p-Xylene
16.779	1381028	BV	0.068	1	51.377	o-Xylene ; Styrene
17.404	558084	VV	0.057	1	25.539	Isopropylbenzene
17.920	696013	PV	0.053	1	25.840	(H) Bromobenzene
18.113	624115	VV	0.054	1	25.661	n-Propylbenzene
18.257	694184	VV	0.054	1	25.833	(H) 2Cltoluene
18.431	1607614	VV	0.062	1	51.849	135-Trimethylbenzene;4-cltolu
18.966	478091	VV	0.055	1	25.738	tert-Butylbenzene
19.053	700725	VV	0.052	1	25.748	124-Trimethylbenzene
19.339	490133	VV	0.056	1	25.657	sec-Butylbenzene
19.589	477040	VV	0.048	1	25.670	(H) 13dcb
19.675	646996	VV	0.050	1	51.849	p-Isopropyltoluene ; (H) 14dcb
20.292	886710	VV	0.055	1	51.580	n-Butylbenzene ; (H) 12dcb
22.982	229697	BV	0.049	1	25.795	(H) 124-Triclbenzene
23.270	180181	VV	0.053	1	25.772	(H) Hexaclbutadiene
23.381	172378	VV	0.049	1	26.088	Naphthalene
23.783	167114	VV	0.050	1	25.920	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\013R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 13
Sample Name	: v25	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 02:44 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 18 Jul 05 09:11 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

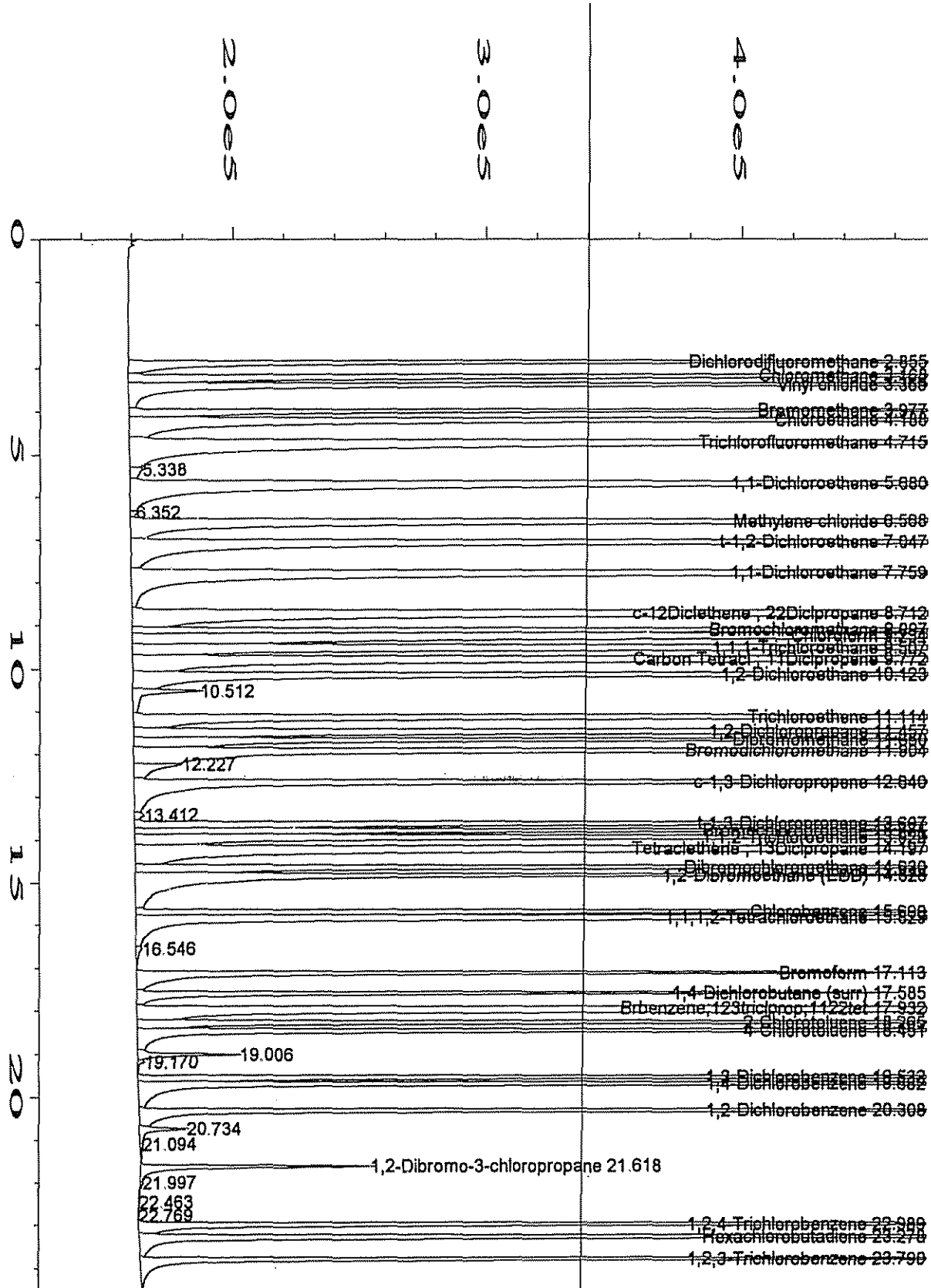
Data File Name : C:\HPCHEM\1\DATA\071505\014F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v40
Run Time Bar Code:
Acquired on : 15 Jul 05 03:15 PM
Report Created on: 18 Jul 05 09:11 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 14
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\071505\014F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.855	3711072	BV	0.044	1	35.969	Dichlorodifluoromethane
3.168	4451928	VV	0.051	1	36.653	Chloromethane
3.369	3922545	VV	0.056	1	36.488	Vinyl chloride
3.977	1945654	VV	0.054	1	38.248	Bromomethane
4.188	4104774	VV	0.077	1	37.141	Chloroethane
4.715	5369428	VV	0.106	1	37.069	Trichlorofluoromethane
5.680	6332360	VV	0.087	1	36.050	1,1-Dichloroethene
6.568	6512413	VV	0.073	1	35.600	Methylene chloride
7.047	6595100	VV	0.074	1	35.593	t-1,2-Dichloroethene
7.759	6817815	VV	0.093	1	35.738	1,1-Dichloroethane
8.712	1.06065E+007	VV	0.079	1	69.189	c-12Diclethene ; 22Diclpropane
9.097	3455127	VV	0.064	1	36.253	Bromochloromethane
9.234	7991028	VV	0.075	1	35.285	Chloroform
9.507	7453840	VV	0.086	1	35.212	1,1,1-Trichloroethane
9.772	1.19433E+007	VV	0.076	1	68.763	Carbon Tetracl ; 11Diclpropene
10.123	4590930	VV	0.068	1	35.347	1,2-Dichloroethane
11.114	6987554	VV	0.069	1	35.247	Trichloroethene
11.457	5348960	VV	0.071	1	34.996	1,2-Dichloropropane
11.650	2276676	VV	0.068	1	35.724	Dibromomethane
11.904	4924379	VV	0.075	1	34.599	Bromodichloromethane
12.640	4402393	VV	0.067	1	35.777	c-1,3-Dichloropropene
13.607	3073866	VV	0.063	1	36.578	t-1,3-Dichloropropene
13.771	1903727	VV	0.075	1-I	40.000	Bromochloropropane
13.929	4149059	VV	0.073	1	35.279	1,1,2-Trichloroethane
14.197	1.02127E+007	VV	0.085	1	69.434	Tetraclethene ; 13Diclpropane
14.630	2892309	VV	0.068	1	36.365	Dibromochloromethane
14.828	2233781	VV	0.082	1	37.332	1,2-Dibromoethane (EDB)
15.690	2838105	VV	0.060	1	36.488	Chlorobenzene
15.829	6715027	VV	0.071	1	34.668	1,1,1,2-Tetrachloroethane
17.113	1542839	PV	0.069	1	37.170	Bromoform
17.585	1203651	VV	0.062	1	96.234	1,4-Dichlorobutane (surr)
17.932	5537373	VV	0.083	1	107.713	Brbenzene;123triclprop;1122tet
18.265	2683260	VV	0.060	1	35.644	2-Chlorotoluene
18.451	2668226	VV	0.060	1	35.306	4-Chlorotoluene
19.532	3504223	PV	0.055	1	34.998	1,3-Dichlorobenzene
19.682	3758738	VV	0.059	1	34.776	1,4-Dichlorobenzene
20.308	3144833	VV	0.057	1	35.195	1,2-Dichlorobenzene
21.618	421418	BV	0.068	1	37.342	1,2-Dibromo-3-chloropropane
22.989	2525949	PV	0.056	1	35.211	1,2,4-Trichlorobenzene
23.278	3660010	VV	0.061	1	34.842	Hexachlorobutadiene
23.790	1918989	VBA	0.056	1	35.077	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\014F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 14
Sample Name	: v40	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 03:15 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	18 Jul 05 09:11 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

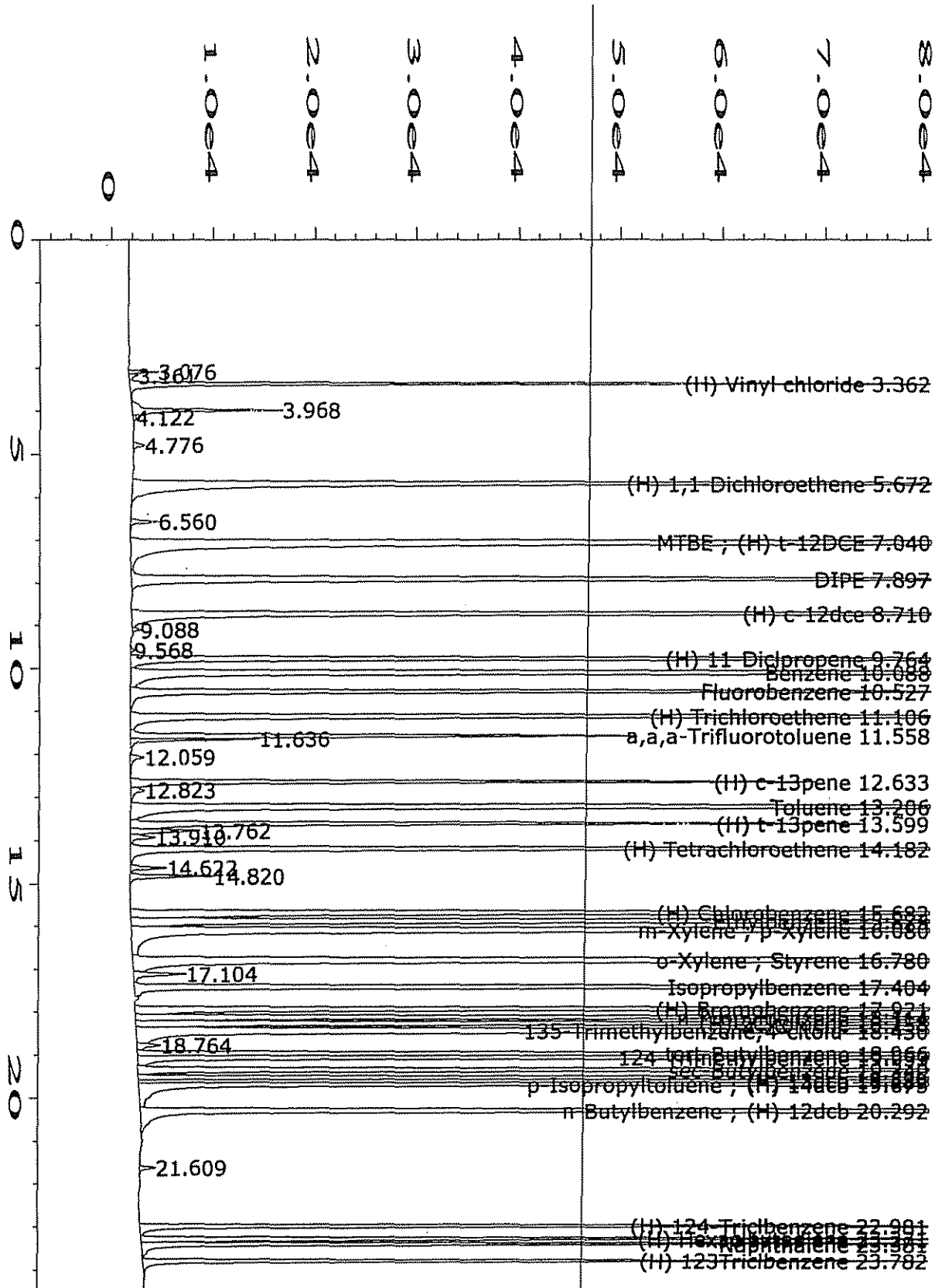
Data File Name : C:\HPCHEM\1\DATA\071505\014R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v40
Run Time Bar Code:
Acquired on : 15 Jul 05 03:15 PM
Report Created on: 18 Jul 05 09:11 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

Page Number : 1
Vial Number : 14
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\071505\014R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.362	249611	VV	0.044	1	40.056	(H) Vinyl chloride
5.672	552780	BB	0.078	1	39.721	(H) 1,1-Dichloroethene
7.040	1566850	BV	0.067	1	79.111	MTBE ; (H) t-12DCE
7.897	577953	VV	0.085	1	39.567	DIPE
8.710	633954	BV	0.063	1	39.478	(H) c-12dce
9.764	578779	VV	0.061	1	39.385	(H) 11-Diclpropene
10.088	1387856	VV	0.062	1	39.452	Benzene
10.527	389989	VV	0.062	1-I	40.000	Fluorobenzene
11.106	801839	VV	0.058	1	39.621	(H) Trichloroethene
11.558	210901	VV	0.066	1	100.270	a,a,a-Trifluorotoluene
12.633	255815	VV	0.058	1	39.653	(H) c-13pene
13.206	1286329	VV	0.062	1	39.457	Toluene
13.599	270412	VV	0.058	1	39.521	(H) t-13pene
14.182	614309	VV	0.062	1	39.618	(H) Tetrachloroethene
15.682	1234452	BV	0.056	1	39.519	(H) Chlorobenzene
15.873	1140956	VV	0.058	1	39.562	Ethylbenzene
16.080	2595431	VV	0.059	1	79.178	m-Xylene ; p-Xylene
16.780	2163265	VV	0.067	1	79.150	o-Xylene ; Styrene
17.404	877541	VV	0.058	1	39.505	Isopropylbenzene
17.921	1087575	PV	0.054	1	39.682	(H) Bromobenzene
18.114	975827	VV	0.054	1	39.489	n-Propylbenzene
18.258	1076781	VV	0.052	1	39.479	(H) 2Cltoluene
18.430	2490518	VV	0.059	1	79.194	135-Trimethylbenzene;4-cltolu
18.966	745534	VV	0.055	1	39.550	tert-Butylbenzene
19.053	1093458	VV	0.052	1	39.528	124-Trimethylbenzene
19.340	766875	VV	0.056	1	39.522	sec-Butylbenzene
19.589	743023	VV	0.048	1	39.522	(H) 13dcb
19.675	1006194	VV	0.050	1	79.347	p-Isopropyltoluene ; (H) 14dcb
20.292	1383886	VV	0.055	1	79.184	n-Butylbenzene ; (H) 12dcb
22.981	358861	BV	0.048	1	39.507	(H) 124-Triclbenzene
23.271	278484	VV	0.054	1	39.364	(H) Hexaclbutadiene
23.381	267017	VV	0.048	1	39.436	Naphthalene
23.782	257744	VV	0.049	1	39.229	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\014R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 14
Sample Name	: v40	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 03:15 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 18 Jul 05 09:11 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

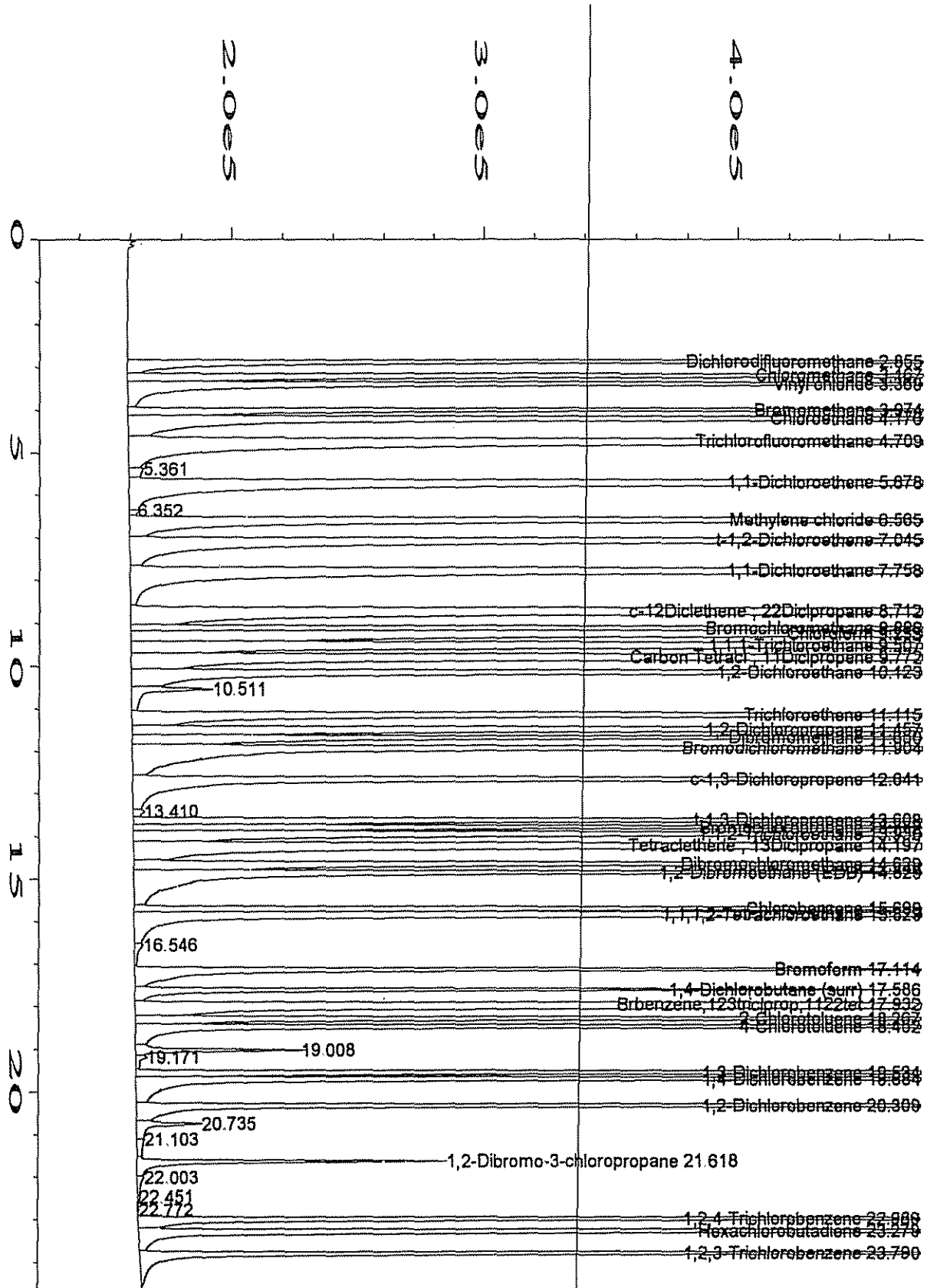
Data File Name : C:\HPCHEM\1\DATA\071505\015F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v50
Run Time Bar Code:
Acquired on : 15 Jul 05 03:46 PM
Report Created on: 18 Jul 05 09:11 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 15
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\071505\015F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.855	4507631	BV	0.043	1	43.004	Dichlorodifluoromethane
3.167	5400495	VV	0.054	1	43.772	Chloromethane
3.369	4771733	VV	0.053	1	43.742	Vinyl chloride
3.974	2409323	VV	0.056	1	46.540	Bromomethane
4.176	4975498	VV	0.077	1	44.302	Chloroethane
4.709	6562710	VV	0.108	1	44.588	Trichlorofluoromethane
5.678	7867327	VV	0.088	1	44.081	1,1-Dichloroethene
6.565	7930940	VV	0.074	1	42.685	Methylene chloride
7.045	8153898	VV	0.072	1	43.323	t-1,2-Dichloroethene
7.758	8398772	VV	0.089	1	43.334	1,1-Dichloroethane
8.712	1.30492E+007	VV	0.081	1	83.866	c-12Diclethene ; 22Diclpropane
9.096	4346584	VV	0.066	1	44.845	Bromochloromethane
9.233	9784429	VV	0.080	1	42.557	Chloroform
9.507	9195039	VV	0.083	1	42.784	1,1,1-Trichloroethane
9.772	1.48479E+007	VV	0.079	1	84.323	Carbon Tetracl ; 11Diclpropene
10.123	5691449	VV	0.068	1	43.145	1,2-Dichloroethane
11.115	8577852	VV	0.069	1	42.605	Trichloroethene
11.457	6593064	VV	0.071	1	42.517	1,2-Dichloropropane
11.650	2873022	VV	0.067	1	44.292	Dibromomethane
11.904	6336253	VV	0.073	1	43.804	Bromodichloromethane
12.641	5461458	VV	0.069	1	43.637	c-1,3-Dichloropropene
13.608	3879000	VV	0.064	1	45.226	t-1,3-Dichloropropene
13.772	1940792	VV	0.072	1-I	40.000	Bromochloropropane
13.930	5115421	VV	0.071	1	43.066	1,1,2-Trichloroethane
14.197	1.23818E+007	VV	0.083	1	83.017	Tetraclethene ; 13Diclpropane
14.629	3567113	VV	0.068	1	44.103	Dibromochloromethane
14.829	2808837	VV	0.083	1	46.201	1,2-Dibromoethane (EDB)
15.690	3525016	VV	0.062	1	44.505	Chlorobenzene
15.829	8266620	VV	0.072	1	42.057	1,1,1,2-Tetrachloroethane
17.114	1990644	VV	0.071	1	46.994	Bromoform
17.586	1243428	VV	0.061	1	97.516	1,4-Dichlorobutane (surr)
17.932	6854279	VV	0.084	1	131.322	Brbenzene;123triclprop;1122tet
18.267	3411889	VV	0.059	1	44.636	2-Chlorotoluene
18.452	3384224	VV	0.059	1	44.132	4-Chlorotoluene
19.534	4417905	VV	0.055	1	43.381	1,3-Dichlorobenzene
19.684	4727547	VV	0.059	1	43.090	1,4-Dichlorobenzene
20.309	3931630	VV	0.059	1	43.300	1,2-Dichlorobenzene
21.618	569167	VV	0.069	1	49.395	1,2-Dibromo-3-chloropropane
22.989	3161242	PV	0.055	1	43.311	1,2,4-Trichlorobenzene
23.279	4519656	VV	0.061	1	42.441	Hexachlorobutadiene
23.790	2419834	VBA	0.055	1	43.541	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\015F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 15
Sample Name	: v50	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 03:46 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	18 Jul 05 09:11 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

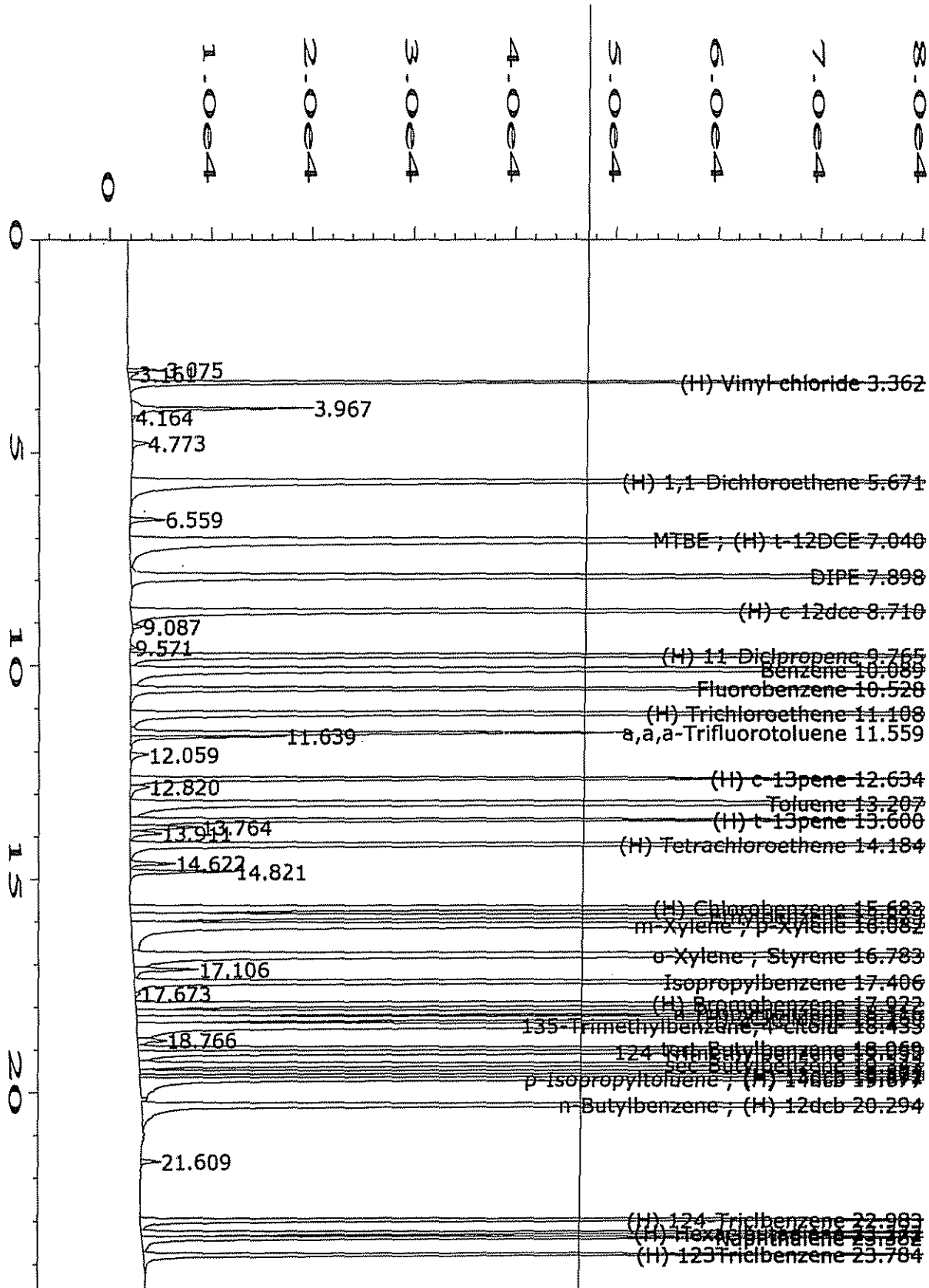
Data File Name : C:\HPCHEM\1\DATA\071505\015R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v50
Run Time Bar Code:
Acquired on : 15 Jul 05 03:46 PM
Report Created on: 18 Jul 05 09:11 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

Page Number : 1
Vial Number : 15
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\071505\015R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.362	310240	VB	0.043	1	49.934	(H) Vinyl chloride
5.671	695089	BB	0.079	1	49.964	(H) 1,1-Dichloroethene
7.040	1987136	BV	0.067	1	100.299	MTBE ; (H) t-12DCE
7.898	734765	VV	0.083	1	50.254	DIPE
8.710	807774	BV	0.063	1	50.273	(H) c-12dce
9.765	740207	VV	0.061	1	50.348	(H) 11-Diclpropene
10.089	1767506	VV	0.061	1	50.237	Benzene
10.528	390506	VV	0.061	1-I	40.000	Fluorobenzene
11.108	1016122	VV	0.058	1	50.194	(H) Trichloroethene
11.559	210342	VV	0.065	1	99.871	a,a,a-Trifluorotoluene
12.634	325276	BV	0.058	1	50.325	(H) c-13pene
13.207	1640824	VV	0.063	1	50.309	Toluene
13.600	346869	VV	0.057	1	50.502	(H) t-13pene
14.184	778060	VV	0.062	1	50.164	(H) Tetrachloroethene
15.683	1571329	BV	0.056	1	50.263	(H) Chlorobenzene
15.875	1445454	VV	0.058	1	50.128	Ethylbenzene
16.082	3281236	VV	0.059	1	100.141	m-Xylene ; p-Xylene
16.783	2741589	VV	0.067	1	100.289	o-Xylene ; Styrene
17.406	1116048	VV	0.058	1	50.236	Isopropylbenzene
17.922	1373482	VV	0.055	1	50.089	(H) Bromobenzene
18.116	1239882	VV	0.054	1	50.181	n-Propylbenzene
18.260	1366955	VV	0.052	1	50.145	(H) 2Cltoluene
18.433	3141204	VV	0.060	1	99.963	135-Trimethylbenzene;4-cltolu
18.969	943672	VV	0.056	1	50.089	tert-Butylbenzene
19.055	1388166	VV	0.052	1	50.179	124-Trimethylbenzene
19.343	972942	VV	0.057	1	50.152	sec-Butylbenzene
19.592	941090	VV	0.048	1	50.148	(H) 13dcb
19.677	1268568	VV	0.050	1	100.038	p-Isopropyltoluene ; (H) 14dcb
20.294	1752041	VV	0.055	1	100.235	n-Butylbenzene ; (H) 12dcb
22.983	458113	PV	0.048	1	50.360	(H) 124-Triclbenzene
23.272	354483	VV	0.054	1	50.199	(H) Hexaclbutadiene
23.382	343849	VV	0.048	1	50.609	Naphthalene
23.784	333108	VB	0.049	1	50.645	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name : C:\HPCHEM\1\DATA\071505\015R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v50
Run Time Bar Code:
Acquired on : 15 Jul 05 03:46 PM
Report Created on: 18 Jul 05 09:11 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

601/602 CVS Raw Data

Internal Standard Report

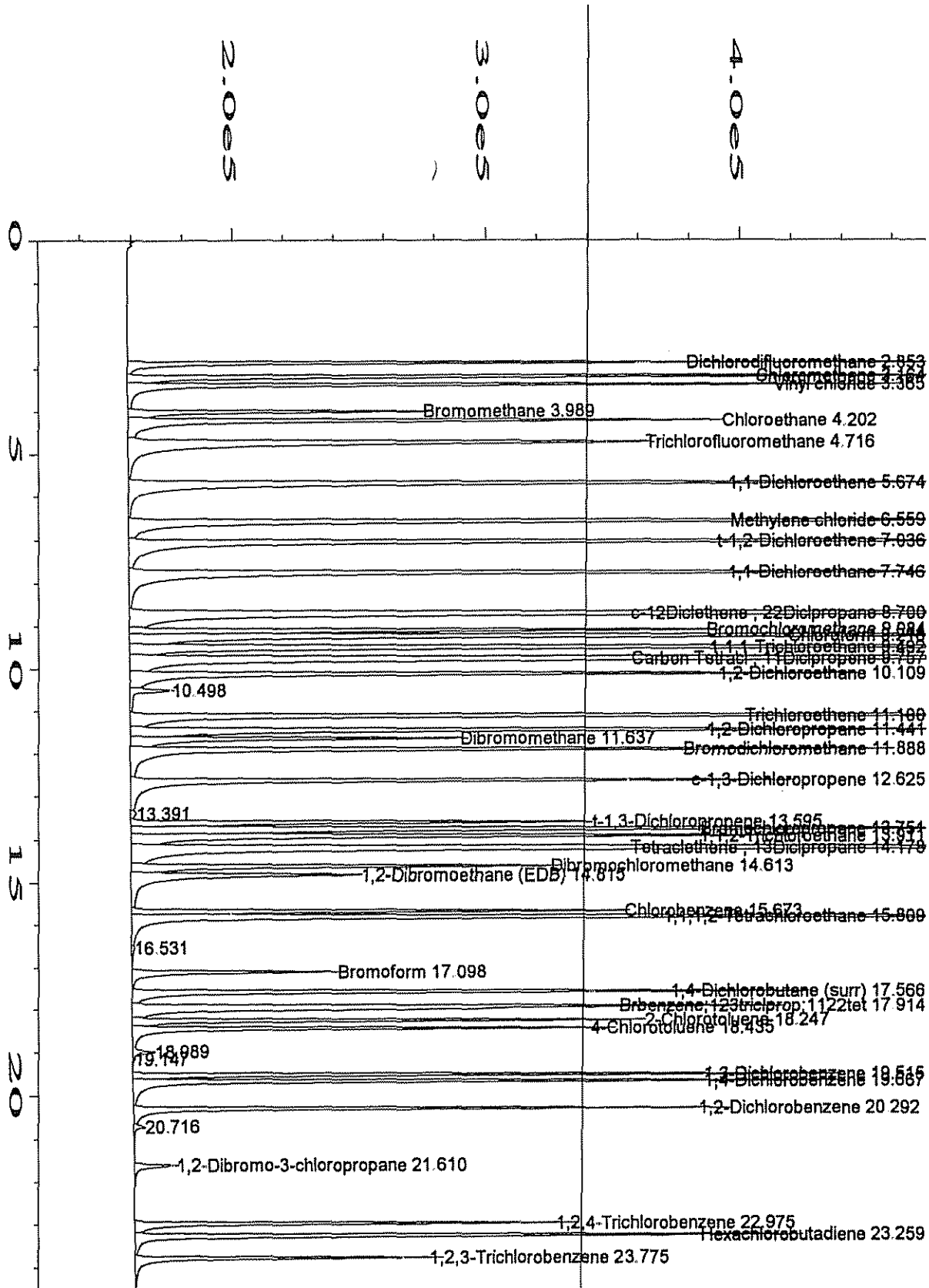
Data File Name : C:\HPCHEM\1\DATA\071505\019F0101.D
Operator : MJC
Instrument : GC3
Sample Name : qchk010
Run Time Bar Code:
Acquired on : 15 Jul 05 05:49 PM
Report Created on: 18 Jul 05 09:12 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 19
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\071505\019F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.853	996846	BV	0.043	1	10.060	Dichlorodifluoromethane
3.164	1271519	VV	0.051	1	10.919	Chloromethane
3.365	1123948	VV	0.054	1	10.759	Vinyl chloride
3.989	504788	VV	0.063	1	10.625	Bromomethane
4.202	1156065	VV	0.075	1	10.965	Chloroethane
4.716	1527488	VV	0.107	1	11.070	Trichlorofluoromethane
5.674	1860095	VV	0.088	1	11.169	1,1-Dichloroethene
6.559	1949579	VV	0.072	1	11.154	Methylene chloride
7.036	1977806	VV	0.071	1	11.218	t-1,2-Dichloroethene
7.746	2037073	VV	0.085	1	11.239	1,1-Dichloroethane
8.700	3240436	VV	0.077	1	22.025	c-12Diclethene ; 22Diclpropane
9.084	965755	VV	0.065	1	10.800	Bromochloromethane
9.218	2446783	VV	0.071	1	11.273	Chloroform
9.492	2269477	VV	0.080	1	11.211	1,1,1-Trichloroethane
9.757	3834130	VV	0.074	1	22.849	Carbon Tetracl ; 11Diclpropene
10.109	1365543	VV	0.071	1	11.035	1,2-Dichloroethane
11.100	2152828	VV	0.068	1	11.396	Trichloroethene
11.441	1642208	VV	0.075	1	11.145	1,2-Dichloropropane
11.637	633798	VV	0.070	1	10.709	Dibromomethane
11.888	1457660	VV	0.072	1	10.896	Bromodichloromethane
12.625	1242602	VV	0.074	1	10.763	c-1,3-Dichloropropene
13.595	764624	VV	0.065	1	10.145	t-1,3-Dichloropropene
13.751	1734137	VV	0.075	1-I	40.000	Bromochloropropane
13.911	1296018	VV	0.074	1	10.840	1,1,2-Trichloroethane
14.178	3208905	VV	0.086	1	22.415	Tetraclethene ; 13Diclpropane
14.613	795392	VV	0.072	1	10.608	Dibromochloromethane
14.815	603505	VV	0.094	1	10.604	1,2-Dibromoethane (EDB)
15.673	757398	VV	0.061	1	10.521	Chlorobenzene
15.809	2063607	VV	0.070	1	11.078	1,1,1,2-Tetrachloroethane
17.098	371757	VV	0.067	1	9.967	Bromoform
17.566	1098268	VV	0.064	1	96.396	1,4-Dichlorobutane (surr)
17.914	1544337	VV	0.084	1	31.236	Brbenzene;123triclprop;1122tet
18.247	761251	VV	0.059	1	10.604	2-Chlorotoluene
18.435	766981	VV	0.061	1	10.562	4-Chlorotoluene
19.515	979999	PV	0.057	1	10.448	1,3-Dichlorobenzene
19.667	1091568	VV	0.058	1	10.547	1,4-Dichlorobenzene
20.292	883921	VV	0.057	1	10.430	1,2-Dichlorobenzene
21.610	98802	BB	0.082	1	9.785	1,2-Dibromo-3-chloropropane
22.975	643614	BV	0.056	1	9.578	1,2,4-Trichlorobenzene
23.259	1025783	VV	0.060	1	9.942	Hexachlorobutadiene
23.775	489928	VBA	0.060	1	9.361	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\019F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 19
Sample Name	: qchk010	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 05:49 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 18 Jul 05 09:12 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

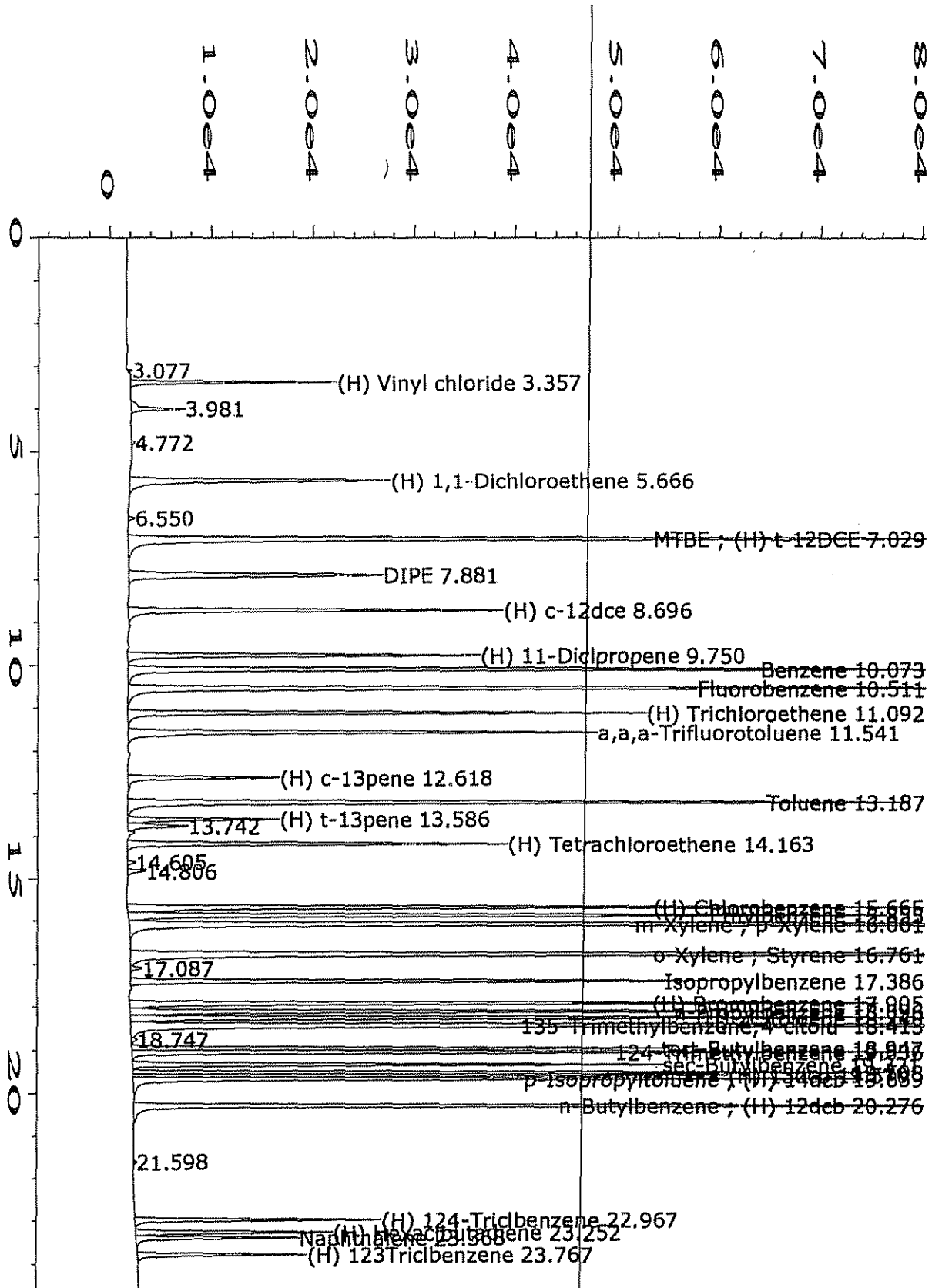
Data File Name : C:\HPCHEM\1\DATA\071505\019R0101.D
Operator : MJC
Instrument : GC3
Sample Name : qchk010
Run Time Bar Code:
Acquired on : 15 Jul 05 05:49 PM
Report Created on: 18 Jul 05 09:12 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

Page Number : 1
Vial Number : 19
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\071505\019R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.357	58862	BB	0.044	1	9.387	(H) Vinyl chloride
5.666	133941	BB	0.078	1	9.999	(H) 1,1-Dichloroethene
7.029	382739	BB	0.064	1	20.285	MTBE ; (H) t-12DCE
7.881	135723	BV	0.082	1	9.839	DIPE
8.696	152121	BV	0.063	1	9.979	(H) c-12dce
9.750	140007	BV	0.062	1	10.016	(H) 11-Diclpropene
10.073	344531	VV	0.062	1	10.261	Benzene
10.511	366492	VV	0.062	1-I	40.000	Fluorobenzene
11.092	198987	VV	0.059	1	10.320	(H) Trichloroethene
11.541	207698	VV	0.070	1	105.078	a,a,a-Trifluorotoluene
12.618	60589	BB	0.062	1	10.069	(H) c-13pene
13.187	317287	BV	0.063	1	10.233	Toluene
13.586	59694	VV	0.060	1	9.627	(H) t-13pene
14.163	151025	VB	0.062	1	10.219	(H) Tetrachloroethene
15.665	299980	BV	0.058	1	10.147	(H) Chlorobenzene
15.855	285146	VV	0.059	1	10.317	Ethylbenzene
16.061	660513	VB	0.061	1	20.958	m-Xylene ; p-Xylene
16.761	545493	BV	0.071	1	20.930	o-Xylene ; Styrene
17.386	219017	PV	0.057	1	10.326	Isopropylbenzene
17.905	265129	BV	0.055	1	10.175	(H) Bromobenzene
18.096	243964	VV	0.054	1	10.309	n-Propylbenzene
18.240	273519	VV	0.054	1	10.417	(H) 2Cltoluene
18.413	635605	VV	0.065	1	20.917	135-Trimethylbenzene;4-cltolu
18.947	188155	VV	0.055	1	10.360	tert-Butylbenzene
19.036	269412	VV	0.052	1	10.190	124-Trimethylbenzene
19.321	188946	VV	0.056	1	10.151	sec-Butylbenzene
19.570	189188	VV	0.048	1	10.278	(H) 13dcb
19.659	246796	VB	0.052	1	20.329	p-Isopropyltoluene ; (H) 14dcb
20.276	332461	BB	0.057	1	19.910	n-Butylbenzene ; (H) 12dcb
22.967	79813	BV	0.050	1	9.371	(H) 124-Triclbenzene
23.252	67275	VV	0.054	1	9.686	(H) Hexaclbutadiene
23.368	55675	VV	0.053	1	9.042	Naphthalene
23.767	57105	VB	0.052	1	9.214	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\019R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 19
Sample Name	: qchk010	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 05:49 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 18 Jul 05 09:12 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

601/602 QC, Blanks Raw Data

Internal Standard Report

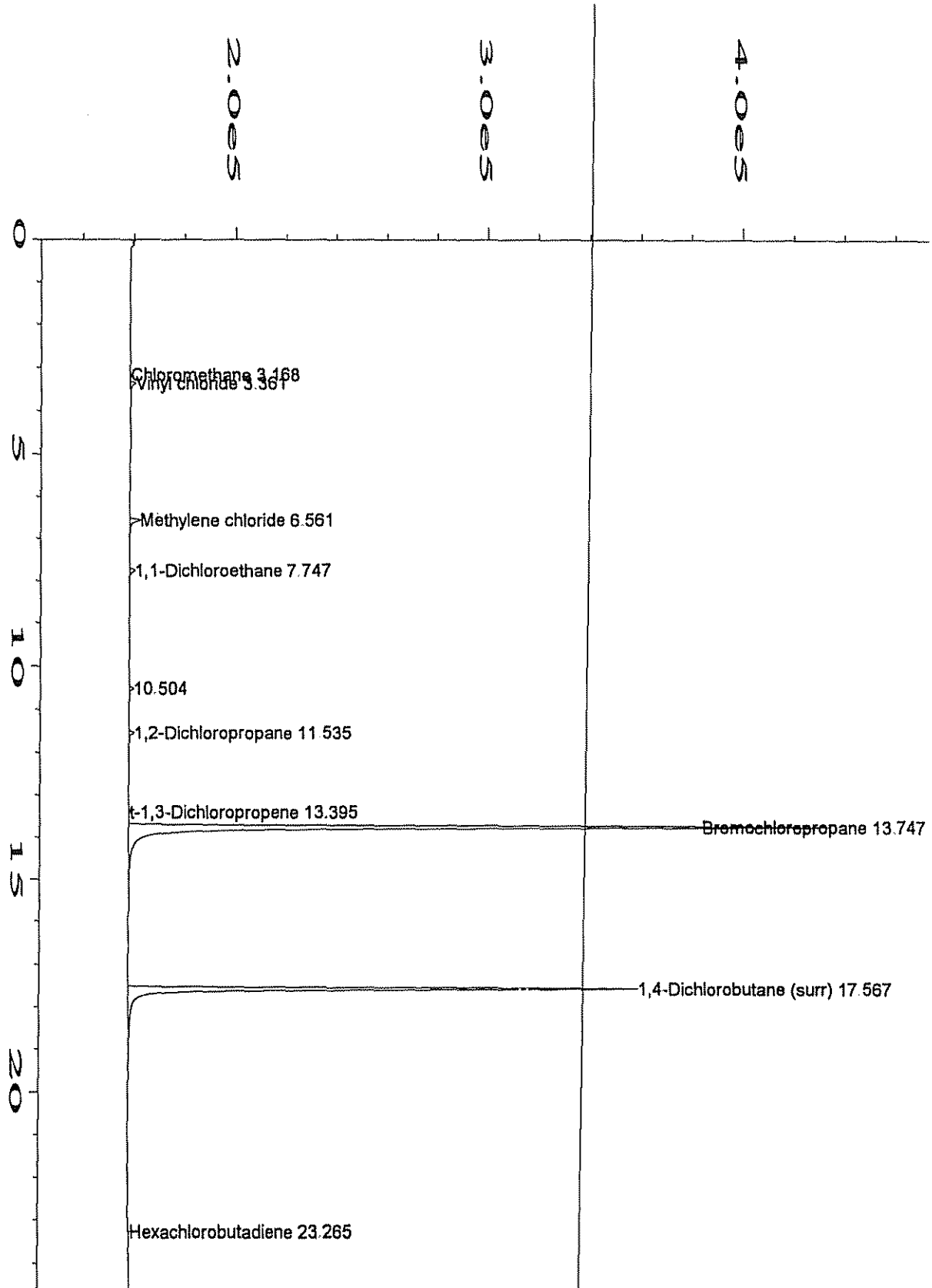
Data File Name : C:\HPCHEM\1\DATA\071505\036F0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2069-3a x25
Run Time Bar Code:
Acquired on : 16 Jul 05 02:28 AM
Report Created on: 18 Jul 05 09:14 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 36
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\071505\036F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.855	* not found *			1		Dichlorodifluoromethane
3.168	2563	BV	0.095	1	-0.808	Chloromethane
3.361	11323	VB	0.076	1	-0.912	Vinyl chloride
3.977	* not found *			1		Bromomethane
4.188	* not found *			1		Chloroethane
4.715	* not found *			1		Trichlorofluoromethane
5.680	* not found *			1		1,1-Dichloroethene
6.561	22984	BB	0.081	1	-0.651	Methylene chloride
7.047	* not found *			1		t-1,2-Dichloroethene
7.747	11962	BB	0.084	1	-0.638	1,1-Dichloroethane
8.712	* not found *			1		c-12Diclethene ; 22Diclpropane
9.097	* not found *			1		Bromochloromethane
9.234	* not found *			1		Chloroform
9.507	* not found *			1		1,1,1-Trichloroethane
9.772	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.123	* not found *			1		1,2-Dichloroethane
11.114	* not found *			1		Trichloroethene
11.535	10130	BB	0.080	1	-0.895	1,2-Dichloropropane
11.650	* not found *			1		Dibromomethane
11.904	* not found *			1		Bromodichloromethane
12.640	* not found *			1		c-1,3-Dichloropropene
13.395	1642	BB	0.062	1	0.240	t-1,3-Dichloropropene
13.747	1511538	BB	0.080	1-I	40.000	Bromochloropropane
13.929	* not found *			1		1,1,2-Trichloroethane
14.197	* not found *			1		Tetraclethene ; 13Diclpropane
14.630	* not found *			1		Dibromochloromethane
14.828	* not found *			1		1,2-Dibromoethane (EDB)
15.690	* not found *			1		Chlorobenzene
15.829	* not found *			1		1,1,1,2-Tetrachloroethane
17.113	* not found *			1		Bromoform
17.567	931445	BB	0.068	1	93.793	1,4-Dichlorobutane (surr)
17.932	* not found *			1		Brbenzene;123triclprop;1122tet
18.265	* not found *			1		2-Chlorotoluene
18.451	* not found *			1		4-Chlorotoluene
19.532	* not found *			1		1,3-Dichlorobenzene
19.682	* not found *			1		1,4-Dichlorobenzene
20.308	* not found *			1		1,2-Dichlorobenzene
21.618	* not found *			1		1,2-Dibromo-3-chloropropane
22.989	* not found *			1		1,2,4-Trichlorobenzene
23.265	2016	BB	0.066	1	-1.099	Hexachlorobutadiene
23.790	* not found *			1		1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\036F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 36
Sample Name	: g161-2069-3a x25	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 16 Jul 05 02:28 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 18 Jul 05 09:14 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\071505\036R0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2069-3a x25
Run Time Bar Code:
Acquired on : 16 Jul 05 02:28 AM
Report Created on: 18 Jul 05 09:14 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

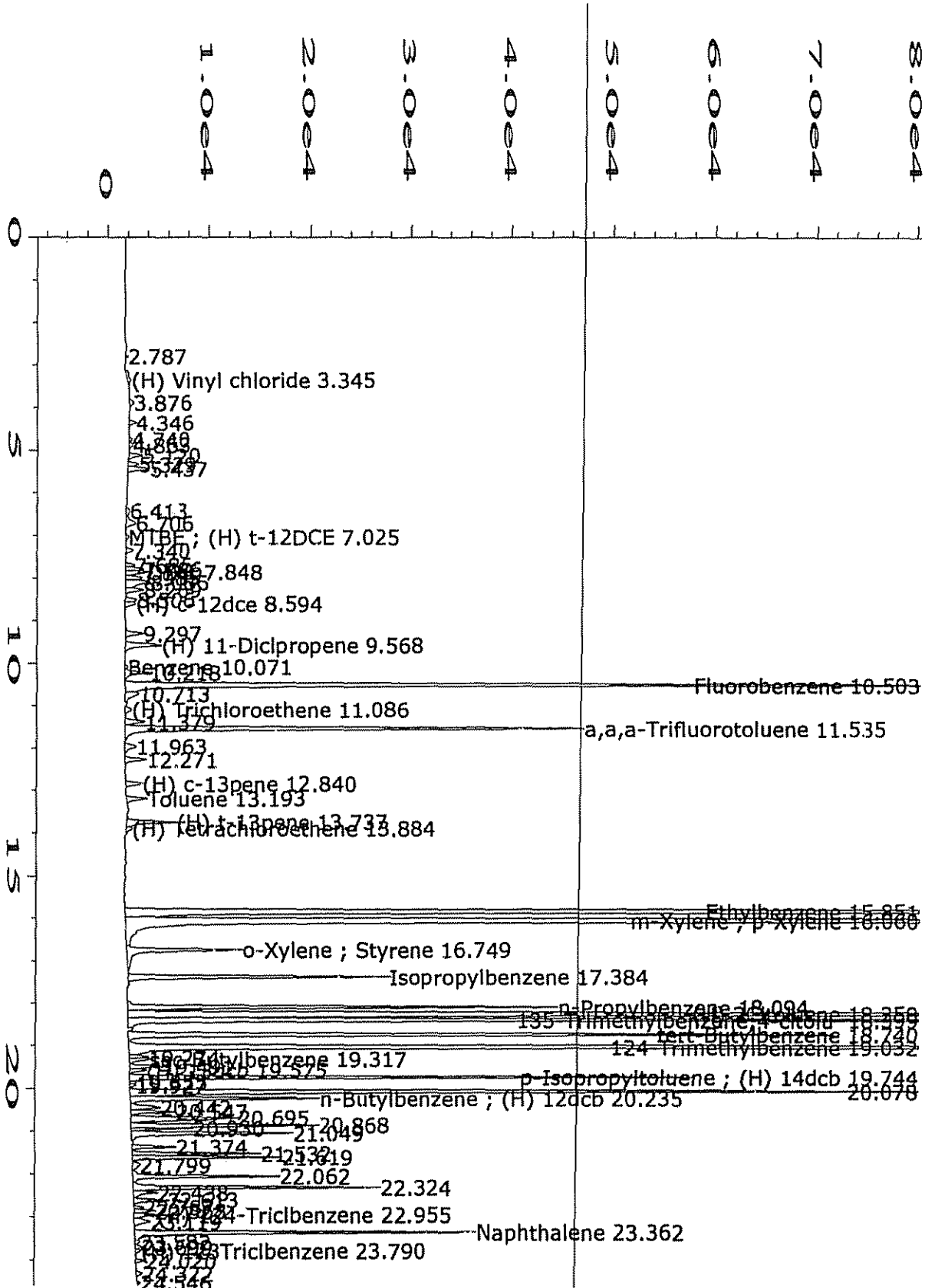
Page Number : 1
Vial Number : 36
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 2 in C:\HPCHEM\1\DATA\071505\036R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.345	4508	BB	0.151	1	-0.0684	(H) Vinyl chloride
5.671	* not found *			1		(H) 1,1-Dichloroethene
7.025	1852	PB	0.075	1	-0.273	MTBE ; (H) t-12DCE
7.848	10390	VV	0.071	1	0.724	DIPE
8.594	5377	VB	0.066	1	0.236	(H) c-12dce
9.568	19379	VB	0.083	1	1.302	(H) 11-Diclpropene
10.071	1380	BV	0.067	1	-0.174	Benzene
10.503	352164	VV	0.062	1-I	40.000	Fluorobenzene
11.086	4829	VV	0.108	1	0.0716	(H) Trichloroethene
11.535	197597	VV	0.068	1	104.035	a,a,a-Trifluorotoluene
12.840	7563	BB	0.068	1	1.396	(H) c-13pene
13.193	8807	BV	0.066	1	0.133	Toluene
13.737	23437	BV	0.071	1	4.199	(H) t-13pene
13.884	3537	VB	0.083	1	0.0573	(H) Tetrachloroethene
15.683	* not found *			1		(H) Chlorobenzene
15.851	943112	BV	0.058	1	36.191	Ethylbenzene
16.060	1451671	VV	0.060	1	48.790	m-Xylene ; p-Xylene
16.749	56753	VV	0.072	1	1.890	o-Xylene ; Styrene
17.384	97337	PV	0.058	1	4.655	Isopropylbenzene
17.922	* not found *			1		(H) Bromobenzene
18.094	151107	BV	0.054	1	6.550	n-Propylbenzene
18.250	548124	VV	0.071	1	22.103	(H) 2Cltoluene
18.399	412338	VV	0.055	1	13.859	135-Trimethylbenzene;4-cltolu
18.740	247702	VV	0.055	1	14.326	tert-Butylbenzene
19.032	830044	VV	0.053	1	33.191	124-Trimethylbenzene
19.317	8833	VV	0.061	1	0.221	sec-Butylbenzene
19.575	6274	VV	0.055	1	-0.216	(H) 13dcb
19.744	183835	VV	0.052	1	15.643	p-Isopropyltoluene ; (H) 14dcb
20.235	75471	VV	0.061	1	4.362	n-Butylbenzene ; (H) 12dcb
22.955	9838	VV	0.063	1	1.226	(H) 124-Triclbenzene
23.272	* not found *			1		(H) Hexaclbutadiene
23.362	113546	PV	0.051	1	18.769	Naphthalene
23.790	2217	VV	0.055	1	0.329	(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\071505\036R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 36
Sample Name	: g161-2069-3a x25	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 16 Jul 05 02:28 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 18 Jul 05 09:14 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

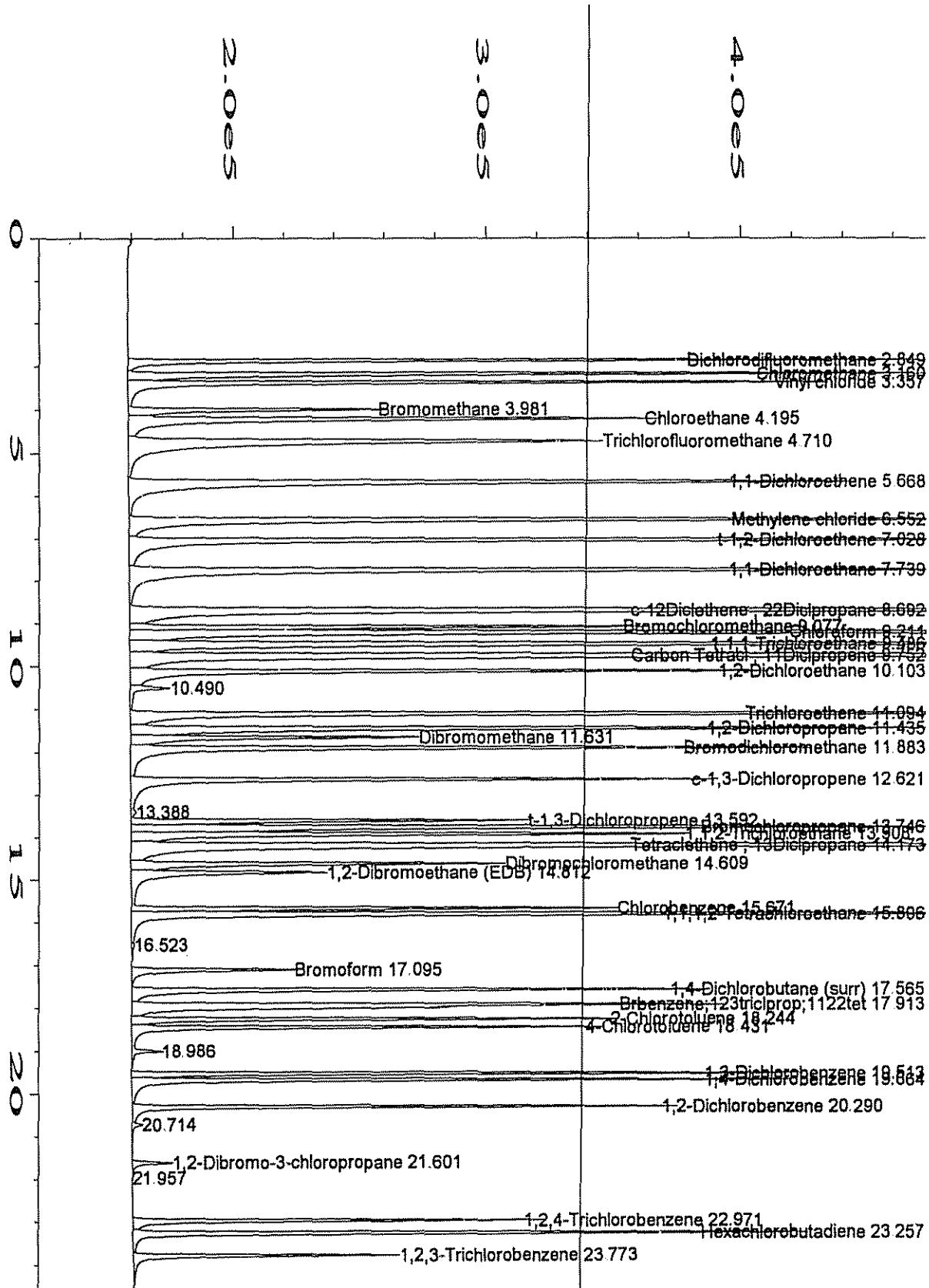
Data File Name : C:\HPCHEM\1\DATA\071505\037F0101.D
Operator : MJC
Instrument : GC3
Sample Name : 140926 x25 ms
Run Time Bar Code:
Acquired on : 16 Jul 05 02:58 AM
Report Created on: 18 Jul 05 09:14 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 37
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\071505\037F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.849	981531	BV	0.047	1	10.801	Dichlorodifluoromethane
3.160	1256460	VV	0.058	1	11.768	Chloromethane
3.357	1127896	VV	0.063	1	11.809	Vinyl chloride
3.981	449872	VV	0.067	1	10.262	Bromomethane
4.195	1158388	VV	0.081	1	11.988	Chloroethane
4.710	1529482	VV	0.112	1	12.092	Trichlorofluoromethane
5.668	1878004	VV	0.094	1	12.300	1,1-Dichloroethene
6.552	1959755	VV	0.078	1	12.240	Methylene chloride
7.028	1965610	VV	0.068	1	12.156	t-1,2-Dichloroethene
7.739	2013533	VV	0.085	1	12.107	1,1-Dichloroethane
8.692	3048516	VV	0.077	1	22.521	c-12Diclethene ; 22Diclpropane
9.077	864278	VV	0.066	1	10.474	Bromochloromethane
9.211	2307429	VV	0.077	1	11.556	Chloroform
9.486	2180583	VV	0.082	1	11.725	1,1,1-Trichloroethane
9.752	3684160	VV	0.078	1	23.916	Carbon Tetracl ; 11Diclpropene
10.103	1203208	VV	0.073	1	10.518	1,2-Dichloroethane
11.094	2051892	VV	0.067	1	11.813	Trichloroethene
11.435	1519235	VV	0.071	1	11.192	1,2-Dichloropropane
11.631	554425	VV	0.071	1	10.150	Dibromomethane
11.883	1315829	VV	0.076	1	10.662	Bromodichloromethane
12.621	1109040	VV	0.071	1	10.409	c-1,3-Dichloropropene
13.592	646728	VV	0.061	1	9.329	t-1,3-Dichloropropene
13.746	1598126	VV	0.076	1-I	40.000	Bromochloropropane
13.908	1100931	VV	0.074	1	9.842	1,1,2-Trichloroethane
14.173	2958810	VV	0.084	1	22.428	Tetraclethene ; 13Diclpropane
14.609	690882	VV	0.068	1	9.968	Dibromochloromethane
14.812	516333	VV	0.092	1	9.796	1,2-Dibromoethane (EDB)
15.671	731807	VV	0.060	1	11.043	Chlorobenzene
15.806	1887168	VV	0.071	1	10.986	1,1,1,2-Tetrachloroethane
17.095	311186	BV	0.072	1	9.070	Bromoform
17.565	956453	VV	0.063	1	91.093	1,4-Dichlorobutane (surr)
17.913	1359148	VV	0.080	1	29.717	Brbenzene;123triclprop;1122tet
18.244	731057	VV	0.059	1	11.081	2-Chlorotoluene
18.431	729963	VV	0.059	1	10.935	4-Chlorotoluene
19.513	915360	PV	0.056	1	10.596	1,3-Dichlorobenzene
19.664	1003953	VV	0.058	1	10.524	1,4-Dichlorobenzene
20.290	800095	VV	0.058	1	10.233	1,2-Dichlorobenzene
21.601	73667	BV	0.068	1	7.961	1,2-Dibromo-3-chloropropane
22.971	580667	BV	0.055	1	9.369	1,2,4-Trichlorobenzene
23.257	1019954	VV	0.060	1	10.815	Hexachlorobutadiene
23.773	411054	VBA	0.058	1	8.464	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\037F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 37
Sample Name	: 140926 x25 ms	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 16 Jul 05 02:58 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 18 Jul 05 09:14 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

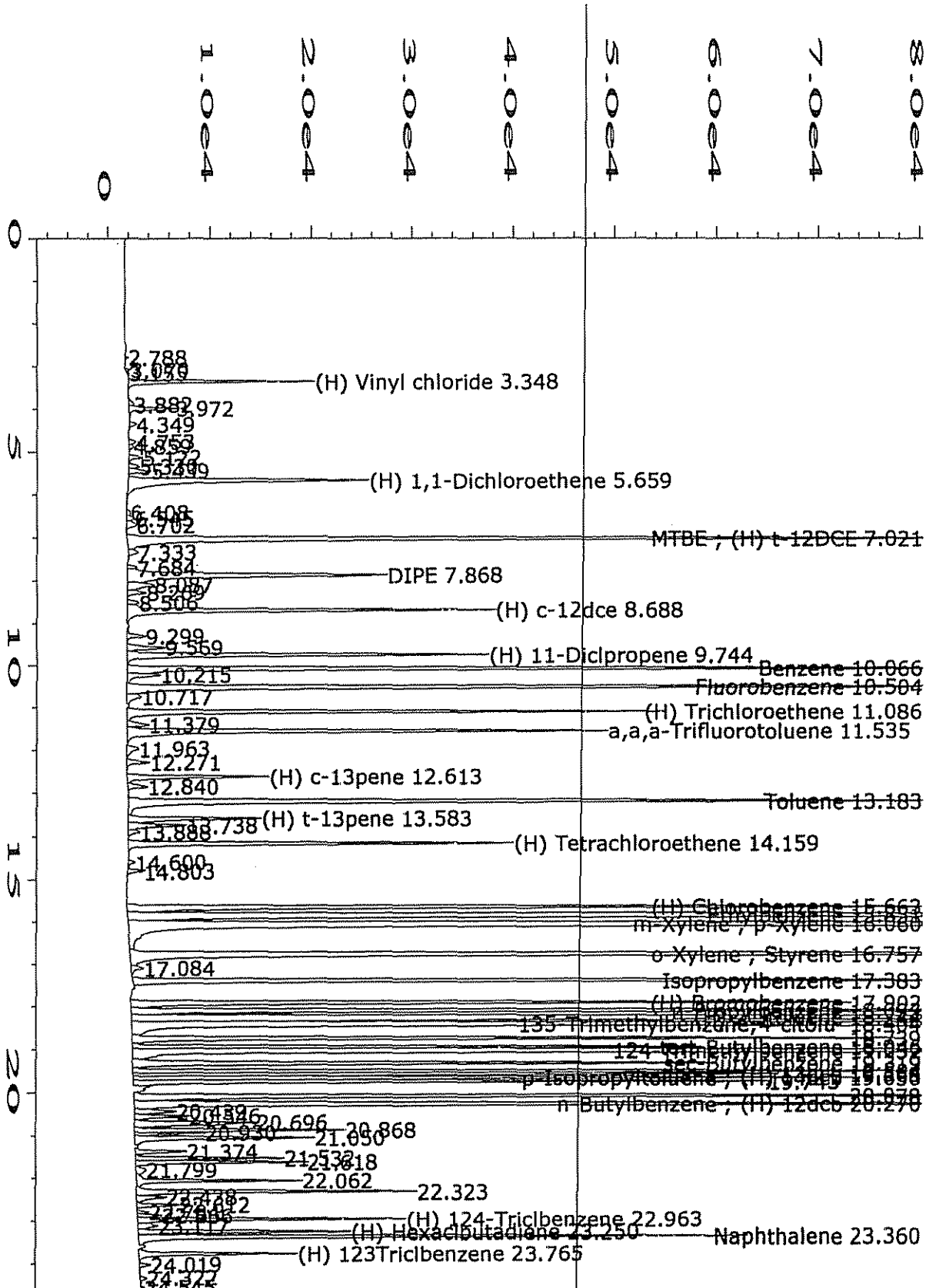
Data File Name : C:\HPCHEM\1\DATA\071505\037R0101.D
Operator : MJC
Instrument : GC3
Sample Name : 140926 x25 ms
Run Time Bar Code:
Acquired on : 16 Jul 05 02:58 AM
Report Created on: 18 Jul 05 09:14 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

Page Number : 1
Vial Number : 37
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\071505\037R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.348	60893	BV	0.049	1	9.697	(H) Vinyl chloride
5.659	138756	PB	0.083	1	10.326	(H) 1,1-Dichloroethene
7.021	378727	PV	0.066	1	19.983	MTBE ; (H) t-12DCE
7.868	158120	VV	0.092	1	11.425	DIPE
8.688	157540	VV	0.064	1	10.296	(H) c-12dce
9.744	145245	VV	0.063	1	10.353	(H) 11-Diclpropene
10.066	344823	VV	0.062	1	10.227	Benzene
10.504	368028	VV	0.062	1-I	40.000	Fluorobenzene
11.086	203026	VV	0.060	1	10.489	(H) Trichloroethene
11.535	214516	VV	0.069	1	108.075	a,a,a-Trifluorotoluene
12.613	55000	BV	0.061	1	9.112	(H) c-13pene
13.183	334738	BV	0.065	1	10.759	Toluene
13.583	53974	VV	0.062	1	8.713	(H) t-13pene
14.159	151853	PV	0.062	1	10.233	(H) Tetrachloroethene
15.663	299739	BV	0.057	1	10.096	(H) Chlorobenzene
15.851	1294081	VV	0.058	1	47.605	Ethylbenzene
16.060	2158583	VV	0.059	1	69.702	m-Xylene ; p-Xylene
16.757	602566	VV	0.072	1	23.065	o-Xylene ; Styrene
17.383	329534	PV	0.058	1	15.584	Isopropylbenzene
17.902	256525	BV	0.055	1	9.798	(H) Bromobenzene
18.093	415813	VV	0.054	1	17.684	n-Propylbenzene
18.244	859190	VV	0.066	1	33.327	(H) 2Cltoluene
18.404	1079330	VV	0.059	1	35.931	135-Trimethylbenzene;4-cltolu
18.946	186887	VV	0.051	1	10.244	tert-Butylbenzene
19.032	1179115	VV	0.053	1	45.202	124-Trimethylbenzene
19.319	217570	VV	0.058	1	11.682	sec-Butylbenzene
19.568	206567	VV	0.049	1	11.226	(H) 13dcb
19.656	227932	VV	0.049	1	18.656	p-Isopropyltoluene ; (H) 14dcb
20.270	420585	VV	0.063	1	25.198	n-Butylbenzene ; (H) 12dcb
22.963	88478	VV	0.051	1	10.342	(H) 124-Triclbenzene
23.250	72547	VV	0.053	1	10.445	(H) Hexaclbutadiene
23.360	190877	VV	0.048	1	29.964	Naphthalene
23.765	56044	VV	0.054	1	9.004	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\037R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 37
Sample Name	: 140926 x25 ms	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 16 Jul 05 02:58 AM	Instrument Method	: 8021_HAL.MTH
Report Created on:	18 Jul 05 09:14 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

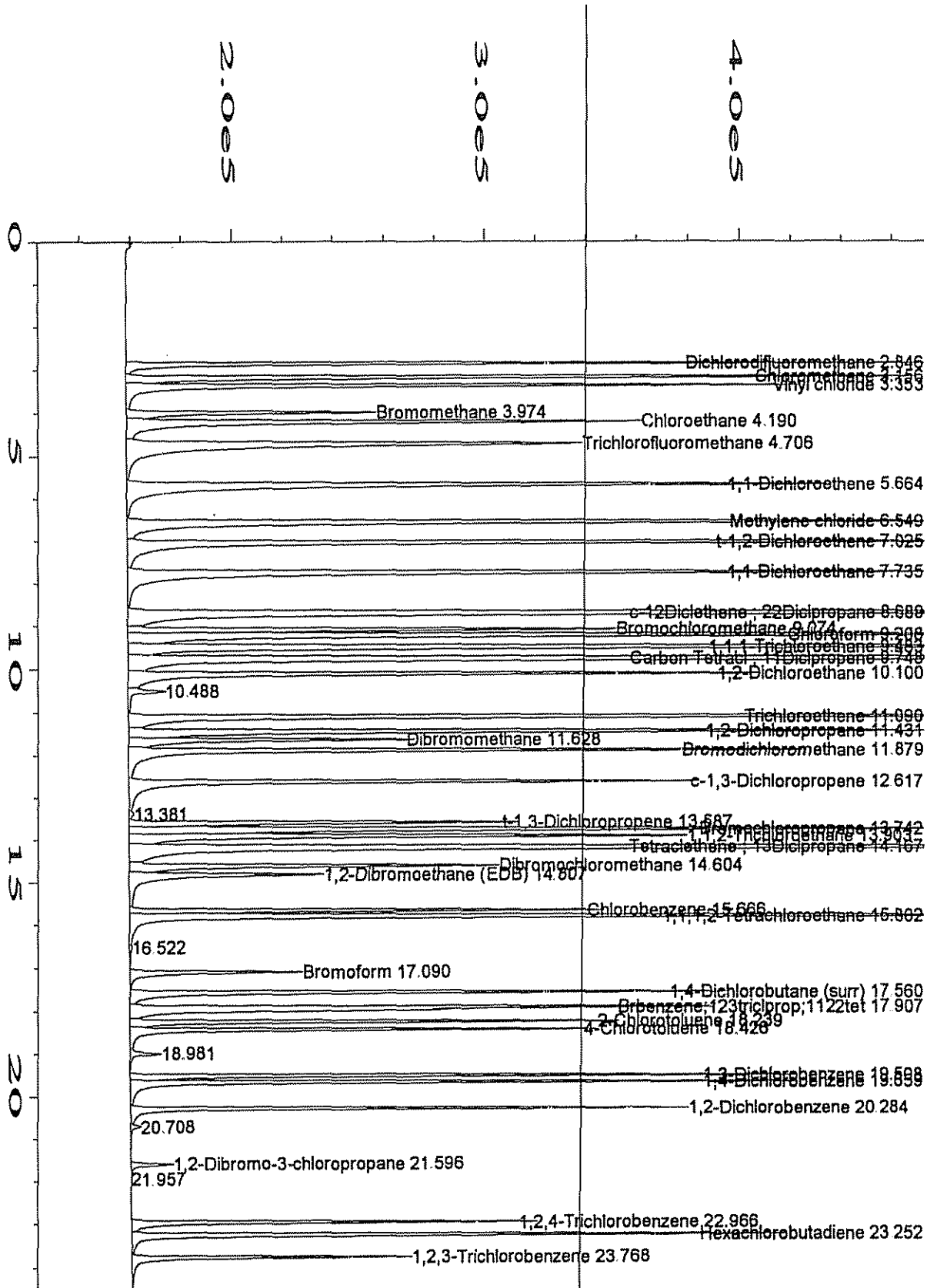
Data File Name : C:\HPCHEM\1\DATA\071505\038F0101.D
Operator : MJC
Instrument : GC3
Sample Name : 140926 x25 msd
Run Time Bar Code:
Acquired on : 16 Jul 05 03:29 AM
Report Created on: 18 Jul 05 09:14 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 38
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\071505\038F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.846	966899	BV	0.046	1	10.809	Dichlorodifluoromethane
3.156	1226649	VV	0.059	1	11.664	Chloromethane
3.353	1089772	VV	0.061	1	11.571	Vinyl chloride
3.974	441966	VV	0.068	1	10.241	Bromomethane
4.190	1118420	VV	0.080	1	11.743	Chloroethane
4.706	1479233	VV	0.118	1	11.867	Trichlorofluoromethane
5.664	1800469	VV	0.096	1	11.962	1,1-Dichloroethene
6.549	1808808	VV	0.079	1	11.426	Methylene chloride
7.025	1875534	VV	0.073	1	11.760	t-1,2-Dichloroethene
7.735	1918822	VV	0.085	1	11.698	1,1-Dichloroethane
8.689	2915369	VV	0.079	1	21.828	c-12Diclethene ; 22Diclpropane
9.074	839521	VV	0.066	1	10.330	Bromochloromethane
9.208	2228026	VV	0.072	1	11.319	Chloroform
9.483	2128800	VV	0.081	1	11.621	1,1,1-Trichloroethane
9.748	3593809	VV	0.075	1	23.679	Carbon Tetracl ; 11Diclpropene
10.100	1179296	VV	0.072	1	10.469	1,2-Dichloroethane
11.090	2006422	VV	0.068	1	11.729	Trichloroethene
11.431	1496980	VV	0.071	1	11.204	1,2-Dichloropropane
11.628	543931	VV	0.072	1	10.114	Dibromomethane
11.879	1300851	VV	0.073	1	10.710	Bromodichloromethane
12.617	1087048	VV	0.073	1	10.362	c-1,3-Dichloropropene
13.587	639071	VV	0.065	1	9.364	t-1,3-Dichloropropene
13.742	1573187	VV	0.076	1-I	40.000	Bromochloropropane
13.903	1122290	VV	0.076	1	10.260	1,1,2-Trichloroethane
14.167	2956581	VV	0.084	1	22.802	Tetraclethene ; 13Diclpropane
14.604	690203	VV	0.071	1	10.124	Dibromochloromethane
14.807	511525	VV	0.093	1	9.863	1,2-Dibromoethane (EDB)
15.666	715060	VV	0.061	1	10.959	Chlorobenzene
15.802	1880627	VV	0.069	1	11.133	1,1,1,2-Tetrachloroethane
17.090	310550	BV	0.067	1	9.192	Bromoform
17.560	953194	VV	0.061	1	92.222	1,4-Dichlorobutane (surr)
17.907	1342227	VV	0.082	1	29.820	Brbenzene;123triclprop;1122tet
18.239	723978	VV	0.060	1	11.152	2-Chlorotoluene
18.426	721818	VV	0.061	1	10.988	4-Chlorotoluene
19.508	909978	PV	0.055	1	10.704	1,3-Dichlorobenzene
19.659	1000104	VV	0.060	1	10.660	1,4-Dichlorobenzene
20.284	803031	VV	0.056	1	10.446	1,2-Dichlorobenzene
21.596	76397	BV	0.066	1	8.374	1,2-Dibromo-3-chloropropane
22.966	575164	BV	0.057	1	9.429	1,2,4-Trichlorobenzene
23.252	986962	VV	0.058	1	10.612	Hexachlorobutadiene
23.768	430433	VBA	0.060	1	9.045	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\038F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 38
Sample Name	: 140926 x25 msd	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 16 Jul 05 03:29 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	18 Jul 05 09:14 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

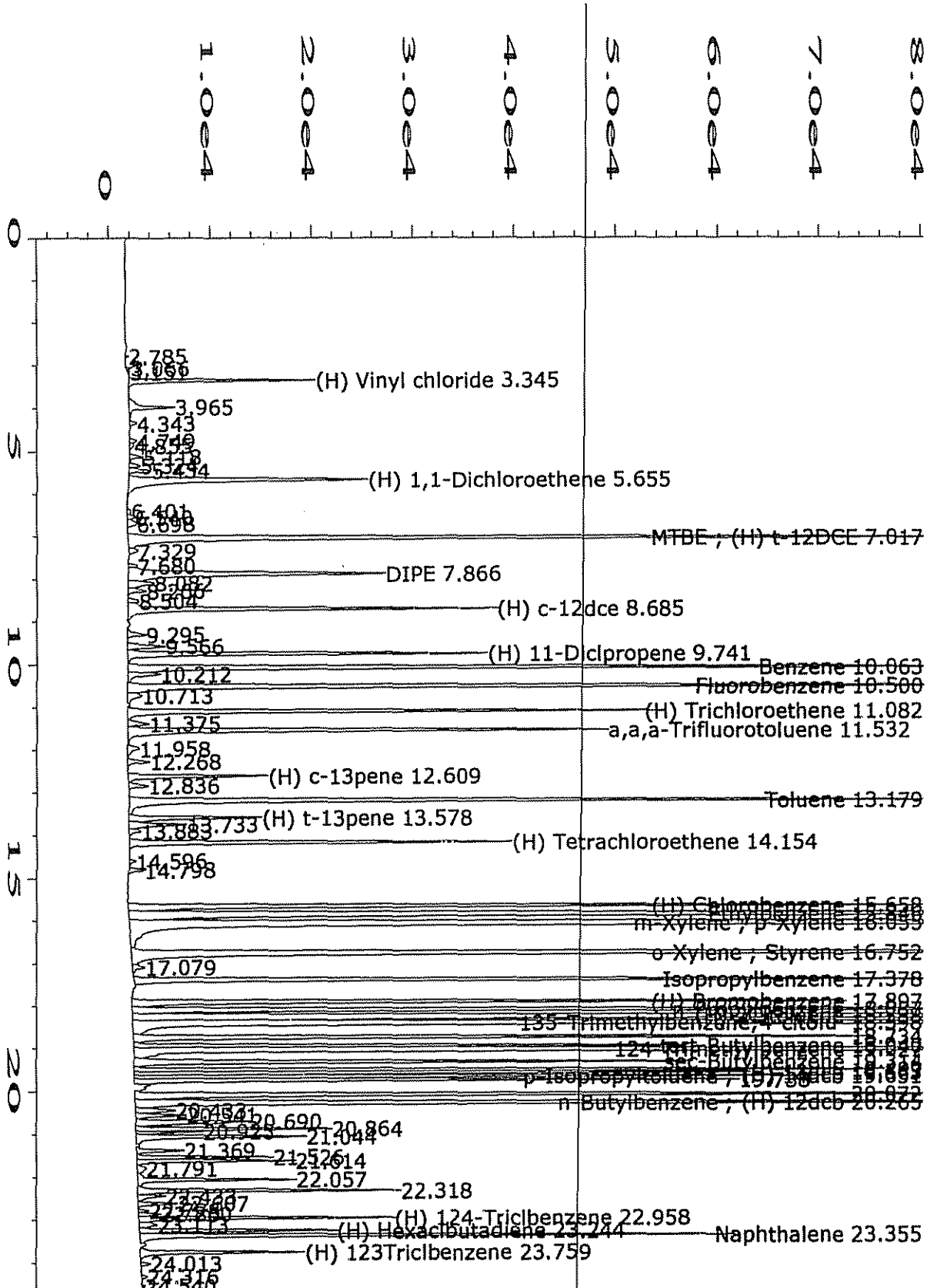
Data File Name : C:\HPCHEM\1\DATA\071505\038R0101.D
Operator : MJC
Instrument : GC3
Sample Name : 140926 x25 msd
Run Time Bar Code:
Acquired on : 16 Jul 05 03:29 AM
Report Created on: 18 Jul 05 09:14 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

Page Number : 1
Vial Number : 38
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\071505\038R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.345	61533	BB	0.050	1	9.789	(H) Vinyl chloride
5.655	139086	VB	0.086	1	10.331	(H) 1,1-Dichloroethene
7.017	379585	PV	0.066	1	19.992	MTBE ; (H) t-12DCE
7.866	156958	VV	0.093	1	11.319	DIPE
8.685	157140	VV	0.065	1	10.250	(H) c-12dce
9.741	144721	VV	0.063	1	10.295	(H) 11-Diclpropene
10.063	345038	VV	0.062	1	10.214	Benzene
10.500	368708	VV	0.062	1-I	40.000	Fluorobenzene
11.082	202664	VV	0.060	1	10.450	(H) Trichloroethene
11.532	214283	VV	0.070	1	107.758	a,a,a-Trifluorotoluene
12.609	54668	PV	0.061	1	9.041	(H) c-13pene
13.179	333253	BV	0.064	1	10.691	Toluene
13.578	53723	VV	0.062	1	8.660	(H) t-13pene
14.154	150263	VV	0.062	1	10.104	(H) Tetrachloroethene
15.658	296984	BV	0.057	1	9.983	(H) Chlorobenzene
15.846	1276193	VV	0.058	1	46.856	Ethylbenzene
16.055	2125758	VV	0.060	1	68.504	m-Xylene ; p-Xylene
16.752	592954	VV	0.071	1	22.648	o-Xylene ; Styrene
17.378	322844	PV	0.058	1	15.235	Isopropylbenzene
17.897	252532	BV	0.054	1	9.625	(H) Bromobenzene
18.087	403734	VV	0.055	1	17.130	n-Propylbenzene
18.238	835250	VV	0.065	1	32.329	(H) 2Cltoluene
18.398	1048129	VV	0.061	1	34.803	135-Trimethylbenzene;4-cltolu
18.940	180583	VV	0.051	1	9.867	tert-Butylbenzene
19.027	1135828	VV	0.053	1	43.453	124-Trimethylbenzene
19.314	208127	VV	0.058	1	11.141	sec-Butylbenzene
19.563	197564	VV	0.049	1	10.690	(H) 13dcb
19.651	221975	VV	0.049	1	18.120	p-Isopropyltoluene ; (H) 14dcb
20.265	400175	VV	0.063	1	23.908	n-Butylbenzene ; (H) 12dcb
22.958	84557	VV	0.051	1	9.867	(H) 124-Triclbenzene
23.244	67493	VV	0.053	1	9.657	(H) Hexaclbutadiene
23.355	186751	VV	0.048	1	29.271	Naphthalene
23.759	56796	VV	0.053	1	9.109	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\038R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 38
Sample Name	: 140926 x25 msd	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 16 Jul 05 03:29 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 18 Jul 05 09:14 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

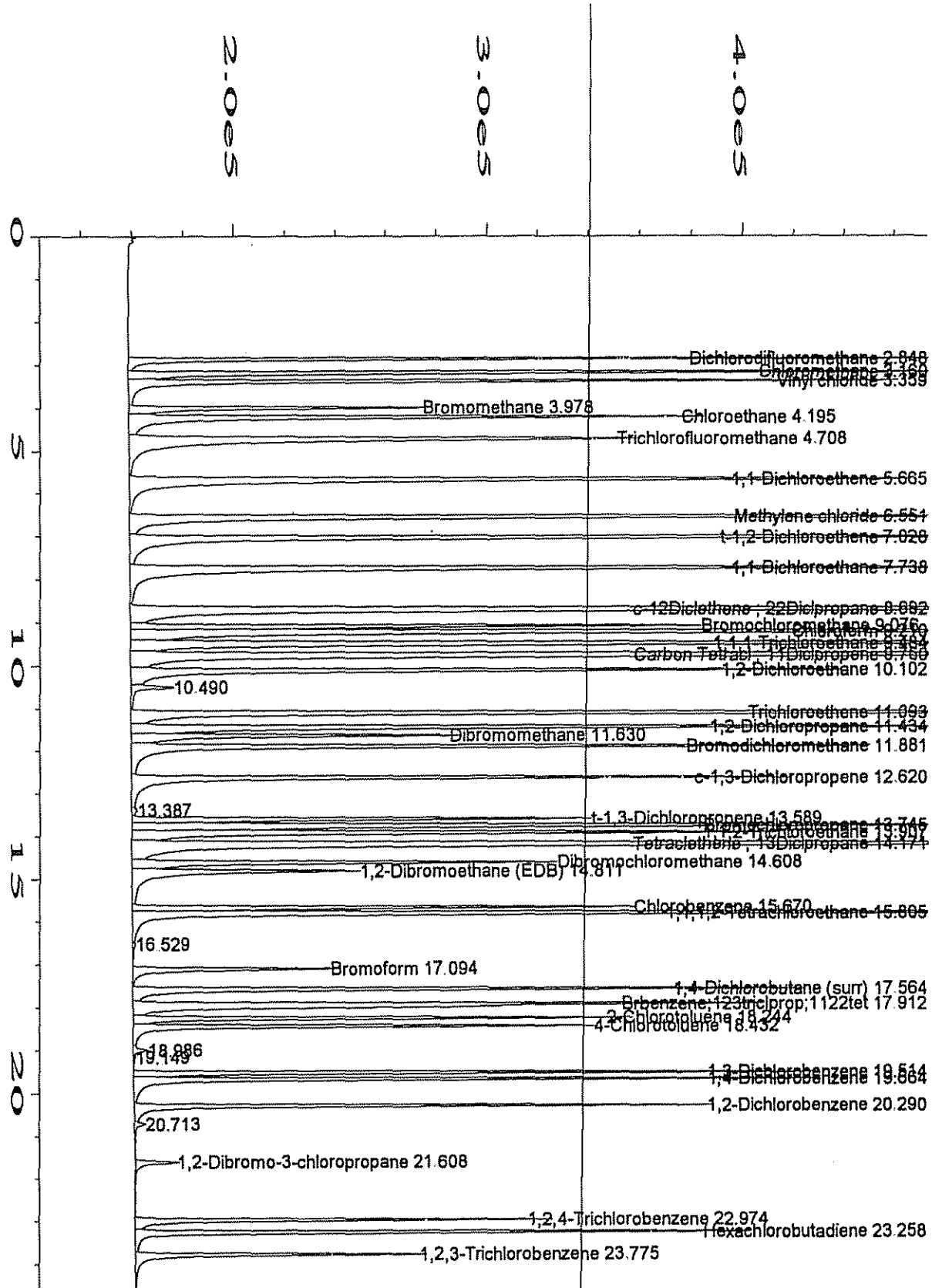
Data File Name : C:\HPCHEM\1\DATA\071505\021F0101.D
Operator : MJC
Instrument : GC3
Sample Name : lcs3071505b
Run Time Bar Code:
Acquired on : 15 Jul 05 06:50 PM
Report Created on: 18 Jul 05 09:13 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 21
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\071505\021F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.848	998242	BV	0.043	1	10.151	Dichlorodifluoromethane
3.160	1263355	VV	0.056	1	10.925	Chloromethane
3.359	1115991	VV	0.057	1	10.757	Vinyl chloride
3.978	500228	VV	0.065	1	10.602	Bromomethane
4.195	1150945	VV	0.076	1	10.995	Chloroethane
4.708	1514501	VV	0.110	1	11.052	Trichlorofluoromethane
5.665	1844394	VV	0.087	1	11.151	1,1-Dichloroethene
6.551	1944544	VV	0.075	1	11.207	Methylene chloride
7.028	1959506	VV	0.070	1	11.190	t-1,2-Dichloroethene
7.738	2018719	VV	0.089	1	11.215	1,1-Dichloroethane
8.692	3164128	VV	0.076	1	21.628	c-12Diclethene ; 22Diclpropane
9.076	939787	VV	0.064	1	10.574	Bromochloromethane
9.210	2404869	VV	0.076	1	11.149	Chloroform
9.484	2231625	VV	0.082	1	11.094	1,1,1-Trichloroethane
9.750	3800173	VV	0.078	1	22.802	Carbon Tetracl ; 11Diclpropene
10.102	1331689	VV	0.072	1	10.824	1,2-Dichloroethane
11.093	2121889	VV	0.068	1	11.305	Trichloroethene
11.434	1603064	VV	0.070	1	10.939	1,2-Dichloropropane
11.630	612463	VV	0.071	1	10.413	Dibromomethane
11.881	1428184	VV	0.075	1	10.744	Bromodichloromethane
12.620	1221972	VV	0.069	1	10.654	c-1,3-Dichloropropene
13.589	751409	VV	0.062	1	10.042	t-1,3-Dichloropropene
13.745	1722025	VV	0.074	1-I	40.000	Bromochloropropane
13.907	1246605	VV	0.076	1	10.440	1,1,2-Trichloroethane
14.171	3160987	VV	0.086	1	22.216	Tetraclethene ; 13Diclpropane
14.608	785058	VV	0.071	1	10.541	Dibromochloromethane
14.811	589585	VV	0.092	1	10.421	1,2-Dibromoethane (EDB)
15.670	755426	VV	0.058	1	10.569	Chlorobenzene
15.805	2015765	VV	0.073	1	10.882	1,1,1,2-Tetrachloroethane
17.094	368006	VV	0.069	1	9.937	Bromoform
17.564	1072442	VV	0.063	1	94.791	1,4-Dichlorobutane (surr)
17.912	1501296	VV	0.084	1	30.526	Brbenzene;123triclprop;1122tet
18.244	741185	VV	0.059	1	10.383	2-Chlorotoluene
18.432	743792	VV	0.062	1	10.295	4-Chlorotoluene
19.514	943834	PV	0.056	1	10.121	1,3-Dichlorobenzene
19.664	1053460	VV	0.060	1	10.228	1,4-Dichlorobenzene
20.290	855673	VV	0.057	1	10.152	1,2-Dichlorobenzene
21.608	97560	BB	0.081	1	9.731	1,2-Dibromo-3-chloropropane
22.974	610348	BV	0.055	1	9.130	1,2,4-Trichlorobenzene
23.258	949467	VV	0.062	1	9.190	Hexachlorobutadiene
23.775	478257	VBA	0.062	1	9.191	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name : C:\HPCHEM\1\DATA\071505\021F0101.D
Operator : MJC
Instrument : GC3
Sample Name : lcs3071505b
Run Time Bar Code:
Acquired on : 15 Jul 05 06:50 PM
Report Created on: 18 Jul 05 09:13 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 21
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

Internal Standard Report

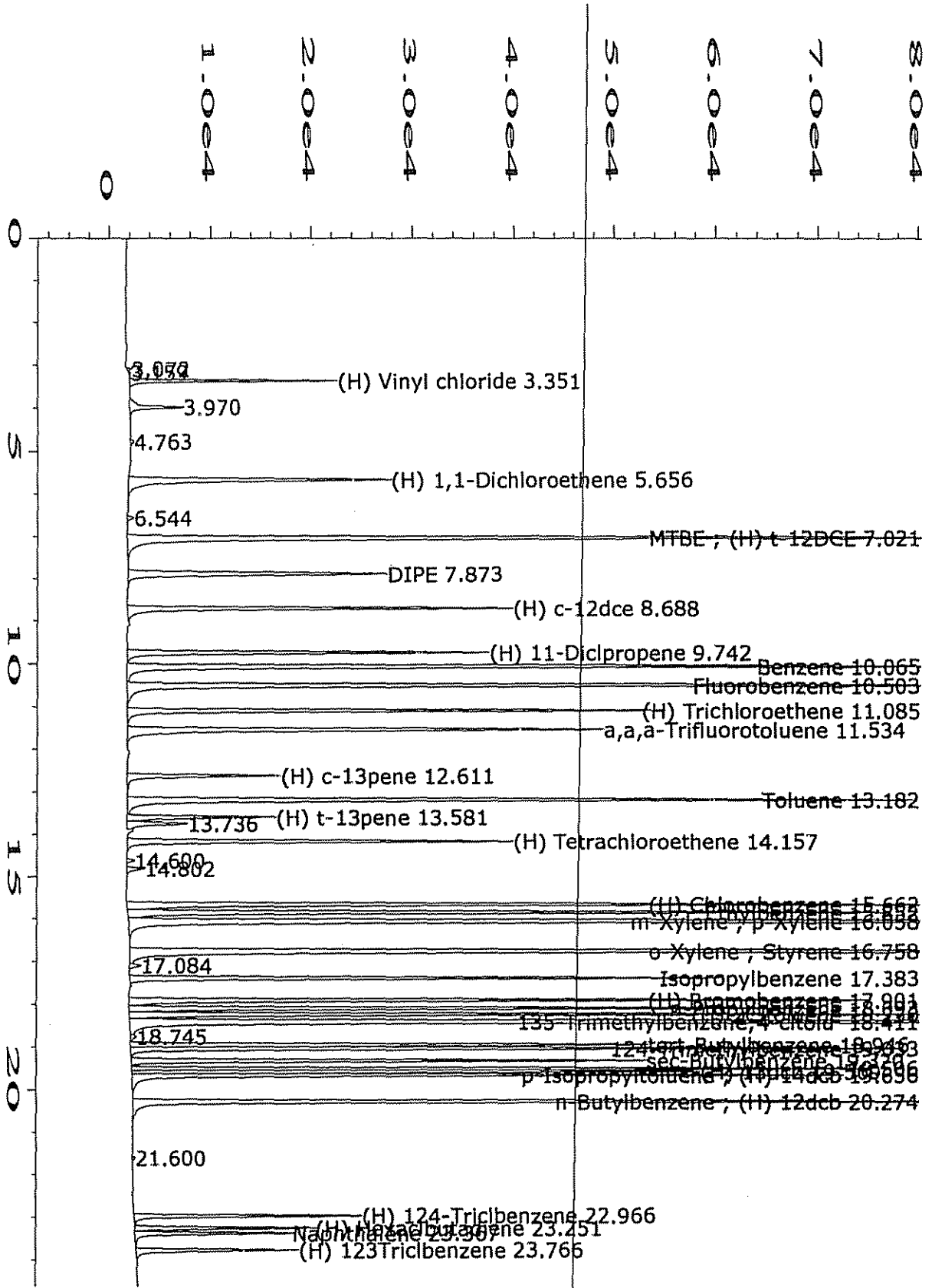
Data File Name : C:\HPCHEM\1\DATA\071505\021R0101.D
Operator : MJC
Instrument : GC3
Sample Name : lcs3071505b
Run Time Bar Code:
Acquired on : 15 Jul 05 06:50 PM
Report Created on: 18 Jul 05 09:13 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

Page Number : 1
Vial Number : 21
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\071505\021R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.351	61316	BB	0.045	1	9.558	(H) Vinyl chloride
5.656	139494	BB	0.080	1	10.169	(H) 1,1-Dichloroethene
7.021	394971	BB	0.065	1	20.434	MTBE ; (H) t-12DCE
7.873	139774	BB	0.084	1	9.889	DIPE
8.688	156691	BV	0.063	1	10.033	(H) c-12dce
9.742	144909	BV	0.061	1	10.119	(H) 11-Diclpropene
10.065	353338	VV	0.061	1	10.271	Benzene
10.503	375503	VV	0.063	1-I	40.000	Fluorobenzene
11.085	205287	VV	0.059	1	10.393	(H) Trichloroethene
11.534	212342	VB	0.068	1	104.850	a,a,a-Trifluorotoluene
12.611	61469	BB	0.062	1	9.971	(H) c-13pene
13.182	323310	BV	0.064	1	10.176	Toluene
13.581	59931	VV	0.062	1	9.443	(H) t-13pene
14.157	154308	VB	0.063	1	10.190	(H) Tetrachloroethene
15.662	304260	BV	0.058	1	10.043	(H) Chlorobenzene
15.852	286987	VV	0.059	1	10.129	Ethylbenzene
16.058	659318	VB	0.061	1	20.401	m-Xylene ; p-Xylene
16.758	542808	BV	0.071	1	20.315	o-Xylene ; Styrene
17.383	217305	BV	0.058	1	9.993	Isopropylbenzene
17.901	264010	BV	0.055	1	9.885	(H) Bromobenzene
18.093	239572	VV	0.055	1	9.869	n-Propylbenzene
18.236	270419	VV	0.053	1	10.039	(H) 2Cltoluene
18.411	623018	VV	0.063	1	19.976	135-Trimethylbenzene;4-cltolu
18.946	183168	VV	0.055	1	9.826	tert-Butylbenzene
19.033	261472	VV	0.053	1	9.640	124-Trimethylbenzene
19.320	183078	VV	0.056	1	9.584	sec-Butylbenzene
19.569	182354	VV	0.048	1	9.634	(H) 13dcb
19.656	241516	VB	0.051	1	19.394	p-Isopropyltoluene ; (H) 14dcb
20.274	320161	BB	0.058	1	18.686	n-Butylbenzene ; (H) 12dcb
22.966	74927	BV	0.050	1	8.589	(H) 124-Triclbenzene
23.251	61954	VV	0.054	1	8.647	(H) Hexaclbutadiene
23.367	54448	VB	0.052	1	8.647	Naphthalene
23.766	55021	BV	0.052	1	8.662	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\021R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 21
Sample Name	: lcs3071505b	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 06:50 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	18 Jul 05 09:13 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

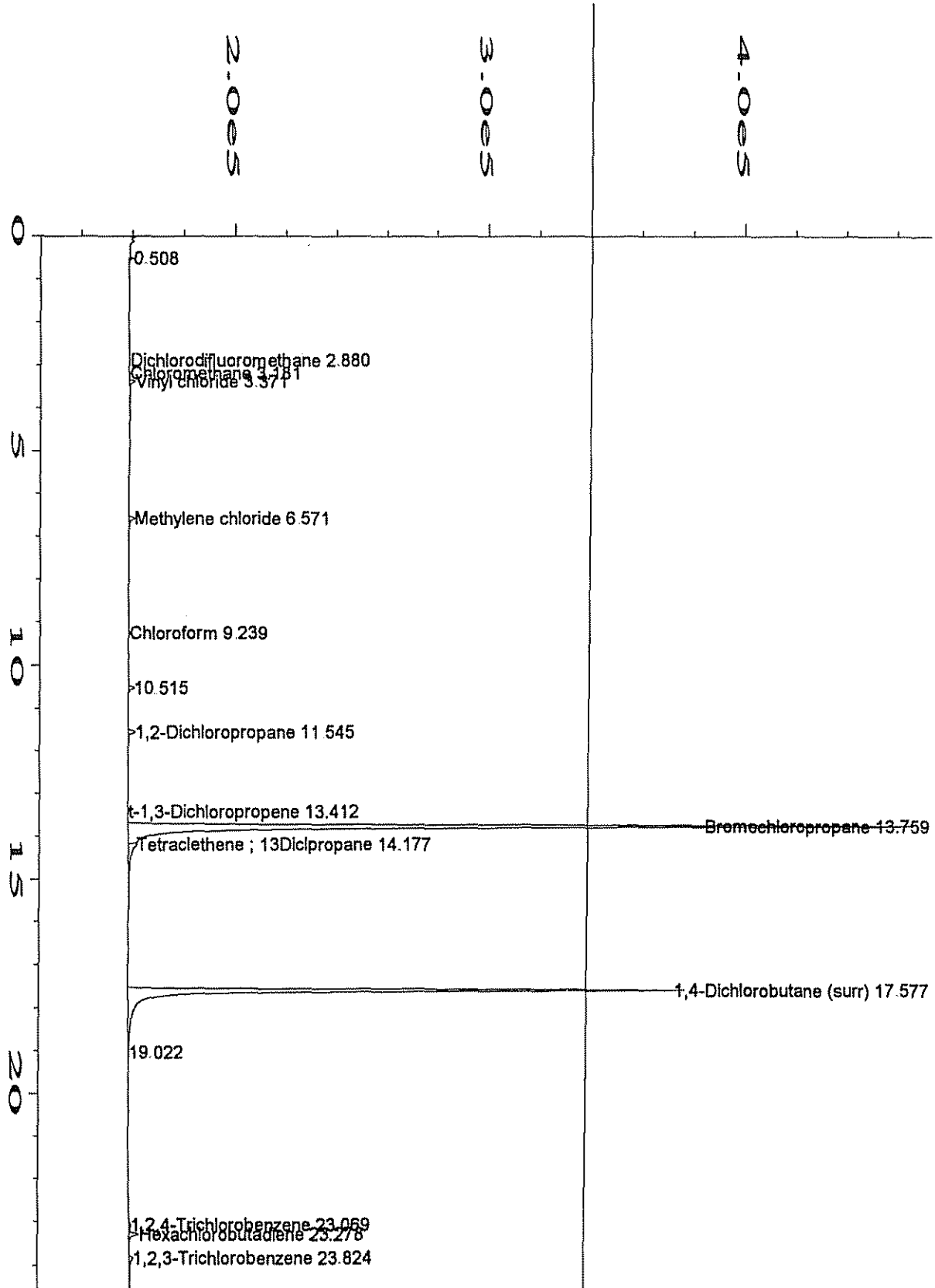
Data File Name : C:\HPCHEM\1\DATA\071505\023F0101.D
Operator : MJC
Instrument : GC3
Sample Name : vblk3071505b
Run Time Bar Code:
Acquired on : 15 Jul 05 07:51 PM
Report Created on: 18 Jul 05 09:21 AM
Last Recalib on : 16 JUL 05 07:43 AM
Multiplier : 1

Page Number : 1
Vial Number : 23
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\071505\023F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.880	1675	BB	0.057	1	-0.756	Dichlorodifluoromethane
3.181	2884	BV	0.092	1	-0.807	Chloromethane
3.371	12597	VB	0.075	1	-0.908	Vinyl chloride
3.977	* not found *			1		Bromomethane
4.188	* not found *			1		Chloroethane
4.715	* not found *			1		Trichlorofluoromethane
5.680	* not found *			1		1,1-Dichloroethene
6.571	12081	BB	0.078	1	-0.734	Methylene chloride
7.047	* not found *			1		t-1,2-Dichloroethene
7.759	* not found *			1		1,1-Dichloroethane
8.712	* not found *			1		c-12Diclethene ; 22Diclpropane
9.097	* not found *			1		Bromochloromethane
9.239	2495	BB	0.076	1	-0.872	Chloroform
9.507	* not found *			1		1,1,1-Trichloroethane
9.772	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.123	* not found *			1		1,2-Dichloroethane
11.114	* not found *			1		Trichloroethene
11.545	13133	BB	0.075	1	-0.877	1,2-Dichloropropane
11.650	* not found *			1		Dibromomethane
11.904	* not found *			1		Bromodichloromethane
12.640	* not found *			1		c-1,3-Dichloropropene
13.412	2160	BB	0.069	1	0.246	t-1,3-Dichloropropene
13.759	1625098	BV	0.079	1-I	40.000	Bromochloropropane
13.929	* not found *			1		1,1,2-Trichloroethane
14.177	52270	VB	0.188	1	-1.914	Tetraclethene ; 13Diclpropane
14.630	* not found *			1		Dibromochloromethane
14.828	* not found *			1		1,2-Dibromoethane (EDB)
15.690	* not found *			1		Chlorobenzene
15.829	* not found *			1		1,1,1,2-Tetrachloroethane
17.113	* not found *			1		Bromoform
17.577	1067695	BV	0.072	1	100.000	1,4-Dichlorobutane (surr)
17.932	* not found *			1		Brbenzene;123triclprop;1122tet
18.265	* not found *			1		2-Chlorotoluene
18.451	* not found *			1		4-Chlorotoluene
19.532	* not found *			1		1,3-Dichlorobenzene
19.682	* not found *			1		1,4-Dichlorobenzene
20.308	* not found *			1		1,2-Dichlorobenzene
21.618	* not found *			1		1,2-Dibromo-3-chloropropane
23.069	3423	BV	0.059	1	-0.320	1,2,4-Trichlorobenzene
23.278	19552	VB	0.076	1	-0.899	Hexachlorobutadiene
23.824	11343	BB	0.104	1	-0.406	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\071505\023F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 23
Sample Name	: vblk3071505b	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 07:51 PM	Instrument Method	: 8021_HAL.MTH
Report Created on:	18 Jul 05 09:21 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\071505\023R0101.D
Operator : MJC
Instrument : GC3
Sample Name : vblk3071505b
Run Time Bar Code:
Acquired on : 15 Jul 05 07:51 PM
Report Created on: 18 Jul 05 09:21 AM
Last Recalib on : 16 JUL 05 07:20 AM
Multiplier : 1

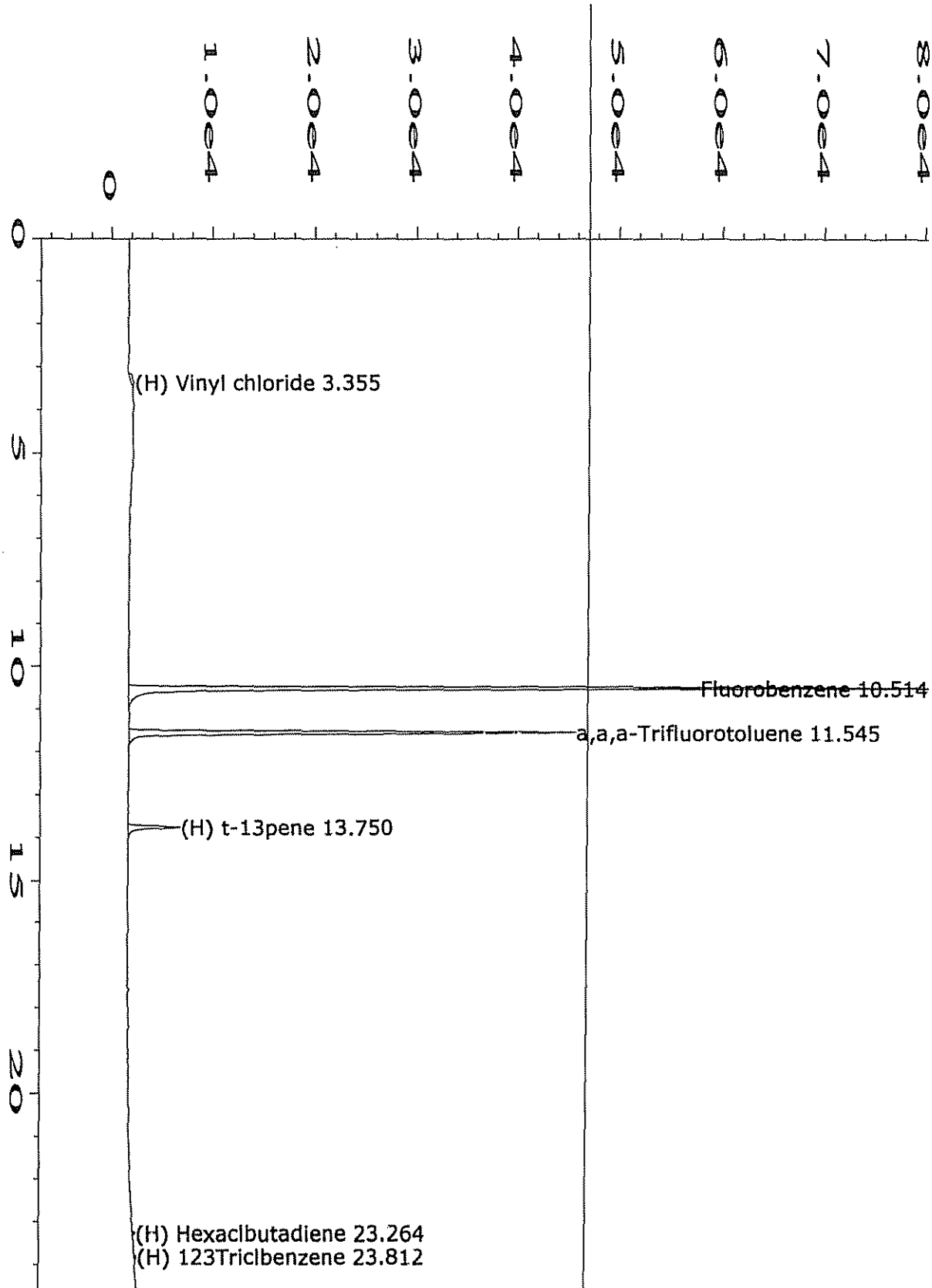
Page Number : 1
Vial Number : 23
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 2 in C:\HPCHEM\1\DATA\071505\023R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.355	4099	BV	0.137	1	-0.139	(H) Vinyl chloride
5.671	* not found *			1		(H) 1,1-Dichloroethene
7.040	* not found *			1		MTBE ; (H) t-12DCE
7.898	* not found *			1		DIPE
8.710	* not found *			1		(H) c-12dce
9.765	* not found *			1		(H) 11-Diclpropene
10.089	* not found *			1		Benzene
10.514	350204	BV	0.061	1-I	40.000	Fluorobenzene
11.108	* not found *			1		(H) Trichloroethene
11.545	188876	BV	0.066	1	100.00	a,a,a-Trifluorotoluene
12.634	* not found *			1		(H) c-13pene
13.207	* not found *			1		Toluene
13.750	24313	BB	0.071	1	4.361	(H) t-13pene
14.184	* not found *			1		(H) Tetrachloroethene
15.683	* not found *			1		(H) Chlorobenzene
15.875	* not found *			1		Ethylbenzene
16.082	* not found *			1		m-Xylene ; p-Xylene
16.783	* not found *			1		o-Xylene ; Styrene
17.406	* not found *			1		Isopropylbenzene
17.922	* not found *			1		(H) Bromobenzene
18.116	* not found *			1		n-Propylbenzene
18.260	* not found *			1		(H) 2Cltoluene
18.433	* not found *			1		135-Trimethylbenzene;4-cltolu
18.969	* not found *			1		tert-Butylbenzene
19.055	* not found *			1		124-Trimethylbenzene
19.343	* not found *			1		sec-Butylbenzene
19.592	* not found *			1		(H) 13dcb
19.677	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.294	* not found *			1		n-Butylbenzene ; (H) 12dcb
22.983	* not found *			1		(H) 124-Triclbenzene
23.264	1077	BB	0.051	1	-0.411	(H) Hexaclbutadiene
23.382	* not found *			1		Naphthalene
23.812	1044	BB	0.057	1	0.132	(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\071505\023R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 23
Sample Name	: vblk3071505b	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 07:51 PM	Instrument Method	: 8021_HAL.MTH
Report Created on:	18 Jul 05 09:21 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 16 JUL 05 07:20 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

601/602 Prep, Standard, Run Logs

Volatiles Standard Notebook # 007 | **GC Water and Soil** | **CURVE**

	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- 071205
8021SBC-7-

	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-	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-

	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-

	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- 071205
8021SGQ-7-

	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-

	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-

	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-7-071205-C64

Paradigm Analytical
GC3

8021S/WBC-7-071205-C63
8021S/SGC-7-071205-C63

Method: 8021/5030/5035 601/602/6230D/8021
Matrix: Soil Water

Initial Cal. Curve: water 07/15/05
(5035S 06/28/05) - (5030 10/14/04)
Batch: 071505

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	HALL	PID
001F0101.D	b	7/15/05 8:38				MJC		
002F0101.D	qchk010	7/15/05 9:08				MJC		
003F0101.D	qchk010	7/15/05 9:38				MJC		
004F0101.D	lcs3071505a	7/15/05 10:08				MJC		
005F0101.D	b	7/15/05 10:38				MJC		
006F0101.D	vblk3071505a	7/15/05 11:09				MJC		
007F0101.D	v0.5	7/15/05 11:40				MJC		
008F0101.D	v1	7/15/05 12:10				MJC		
009F0101.D	v2	7/15/05 12:41				MJC		
010F0101.D	v5	7/15/05 13:12				MJC		
011F0101.D	v10	7/15/05 13:43				MJC		
012F0101.D	v20	7/15/05 14:13				MJC		
013F0101.D	v25	7/15/05 14:44				MJC		
014F0101.D	v40	7/15/05 15:15				MJC		
015F0101.D	v50	7/15/05 15:46				MJC		
016F0101.D	b	7/15/05 16:17				MJC		
017F0101.D	b	7/15/05 16:48				MJC		
018F0101.D	2ppbchk	7/15/05 17:18				MJC		
019F0101.D	qchk010	7/15/05 17:49				MJC		
020F0101.D	qchk010	7/15/05 18:20				MJC		

Analyst:_____

See Top for Standard Lot Numbers

Page Number: _____
VO10.112202.1

8021S/WBQ-7-071205-C64
8021S/SGQ-7-071205-C64

Paradigm Analytical
GC3

8021S/WBC-7-071205-C63
8021S/SGC-7-071205-C63

Method: 8021/5030/5035 601/602/6230D/8021
Matrix: Soil Water

Initial Cal. Curve: water 07/15/05
(5035S 06/28/05) - (5030 10/14/04)
Batch: 071505

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	HALL	PID
021F0101.D	lcs3071505b	7/15/05 18:50				MJC		
022F0101.D	b	7/15/05 19:21				MJC		
023F0101.D	vblk3071505b	7/15/05 19:51				MJC		
024F0101.D	g161-2069-5a	7/15/05 20:22				MJC		
025F0101.D	g161-2070-6a	7/15/05 20:53				MJC		
026F0101.D	g161-2069-4a	7/15/05 21:23				MJC		
027F0101.D	g161-2070-1a	7/15/05 21:54				MJC		
028F0101.D	g161-2070-2a	7/15/05 22:24				MJC		
029F0101.D	g161-2070-2b dup	7/15/05 22:55				MJC		
030F0101.D	g161-2070-3a	7/15/05 23:25				MJC		
031F0101.D	g161-2070-4a	7/15/05 23:56				MJC		
032F0101.D	g161-2070-5a	7/16/05 0:26				MJC		
033F0101.D	g161-2069-1a	7/16/05 0:56				MJC		
034F0101.D	g161-2069-1a x5	7/16/05 1:27				MJC		
035F0101.D	g161-2069-2a x20	7/16/05 1:57				MJC		
036F0101.D	g161-2069-3a x25	7/16/05 2:28				MJC		
037F0101.D	G161-2069-3A x25 ms	7/16/05 2:58	cid= 140926			MJC		
038F0101.D	G161-2069-3A x25 msd	7/16/05 3:29	cid= 140926			MJC		
039F0101.D	qchk010	7/16/05 3:59				MJC		
040F0101.D	qchk010	7/16/05 4:30				MJC		

Page Number: _____

Analyst:_____

See Top for Standard Lot Numbers

VO10.112202.1

8021S/WBQ-7-071205-C64
8021S/SGQ-7-071205-C64

Paradigm Analytical
GC3

8021S/WBC-7-071205-C63
8021S/SGC-7-071205-C63

Method: 8021/5030/5035 601/602/6230D/8021
Matrix: Soil Water

Initial Cal. Curve: water 07/15/05
(5035S 06/28/05) - (5030 10/14/04)
Batch: 071505

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	HALL	PID
041F0101.D	lcs3071505c	7/16/05 5:00				MJC		
042F0101.D	b	7/16/05 5:30				MJC		
043F0101.D	vblk3071505c	7/16/05 6:01				MJC		

Analyst:_____

See Top for Standard Lot Numbers

Page Number: _____
VO10.112202.1

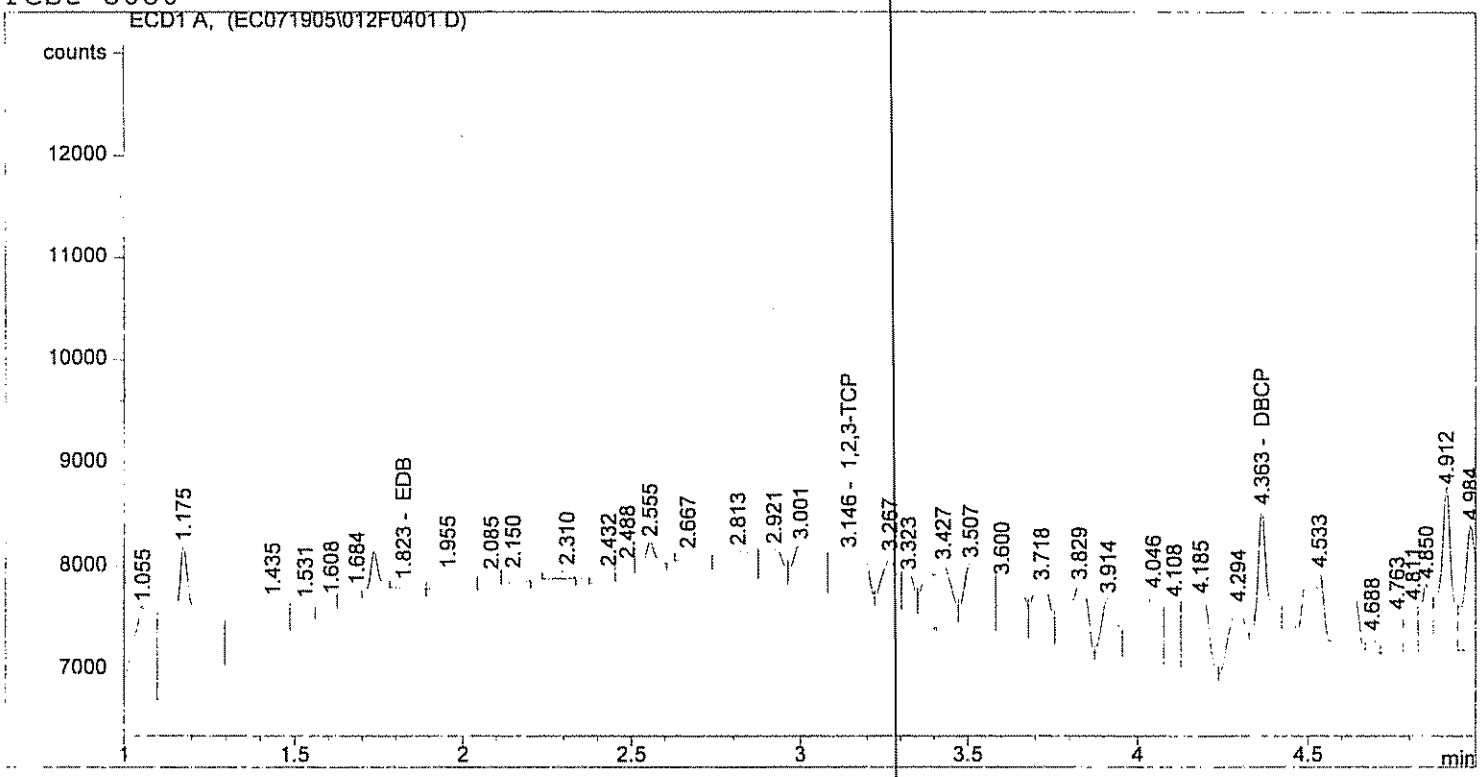
EDB Sample Raw Data

161-2010-10

Data File C:\HPCHEM\1\DATA\EC071905\012F0401.D Sample Name: G161-2070-10 x1

Injection Date	: 7/19/05 04:04:13 PM	Seq. Line :	4
Sample Name	: G161-2070-10 x1	Vial :	12
Acq. Operator	: CLP	Inj :	1
		Inj Volume :	2 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\071905.S
Acq. Method : C:\HPCHEM\1\METHODS\EDB.M
Last changed : 4/13/05 08:08:22 AM by CLP
Analysis Method : C:\HPCHEM\1\DATA\EC071905\EDB.M
Last changed : 7/20/05 10:32:24 AM by CLP
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Tuesday, July 19, 2005 12:30:18 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

CB 7/20

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.823	BP	142.70256	0.00000	0.00000		EDB
3.146	VV	3050.10254	0.00000	0.00000		1,2,3-TCP
4.363	BB	2013.34180	7.92854e-6	1.59629e-2		DBCP

Totals : 1.59629e-2

Results obtained with enhanced integrator!
2 Warnings or Errors :

EDB Calibration Raw Data

Calibration Table

8080 Pesticides

Calib. Data Modified : 7/15/05 09:53:48 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 : Ignored
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]	Lvl Sig		Amount [µg/L]	Area	Amt/Area	Ref	Grp	Name
1.871	1	1	2.00000e-2	1239.91113	1.61302e-5			EDB
		2	1.00000e-1	4843.92773	2.06444e-5			
		3	5.00000e-1	1.68811e4	2.96188e-5			
		4	1.00000	3.15200e4	3.17259e-5			
		5	2.00000	5.46170e4	3.66186e-5			
3.195	1	2	1.00000e-1	2953.25317	3.38610e-5			1,2,3-TCP
		3	5.00000e-1	6232.15723	8.02290e-5			
		4	1.00000	1.02450e4	9.76082e-5			
		5	2.00000	1.61549e4	1.23801e-4			
		6	4.00000	2.39030e4	1.67343e-4			
4.381	1	1	2.00000e-2	1041.51611	1.92028e-5			DBCP
		2	1.00000e-1	3554.90918	2.81301e-5			
		3	5.00000e-1	1.17849e4	4.24271e-5			
		4	1.00000	2.25741e4	4.42986e-5			
		5	2.00000	3.94032e4	5.07573e-5			

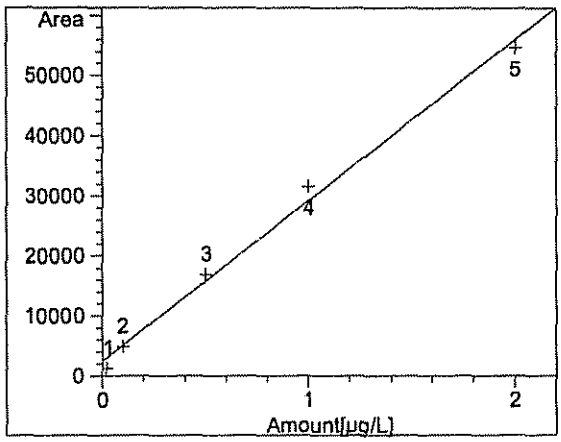
More compound-specific settings:

Compound: EDB
Time Window : From 1.841 min To 1.901 min

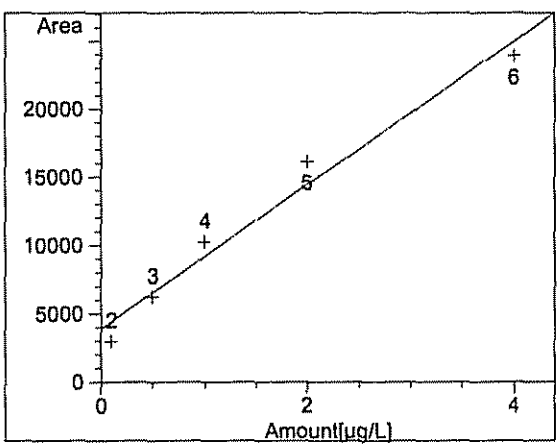
Peak Sum Table

No Entries in table

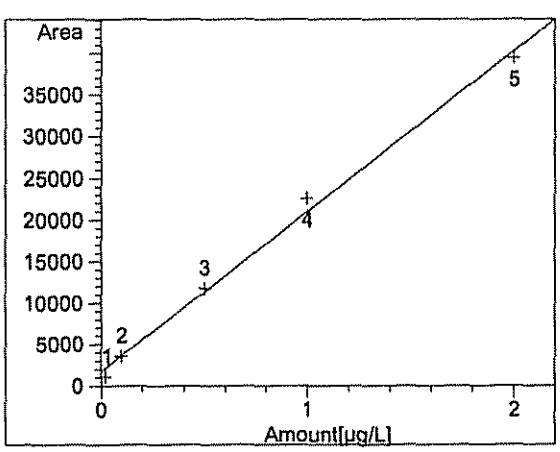
Calibration Curves



EDB at exp. RT: 1.871
ECD1 A,
Correlation: 0.99701
Residual Std. Dev.: 1948.91087
Formula: y = mx + b
m: 26790.46390
b: 2424.11136
x: Amount[µg/L]
y: Area

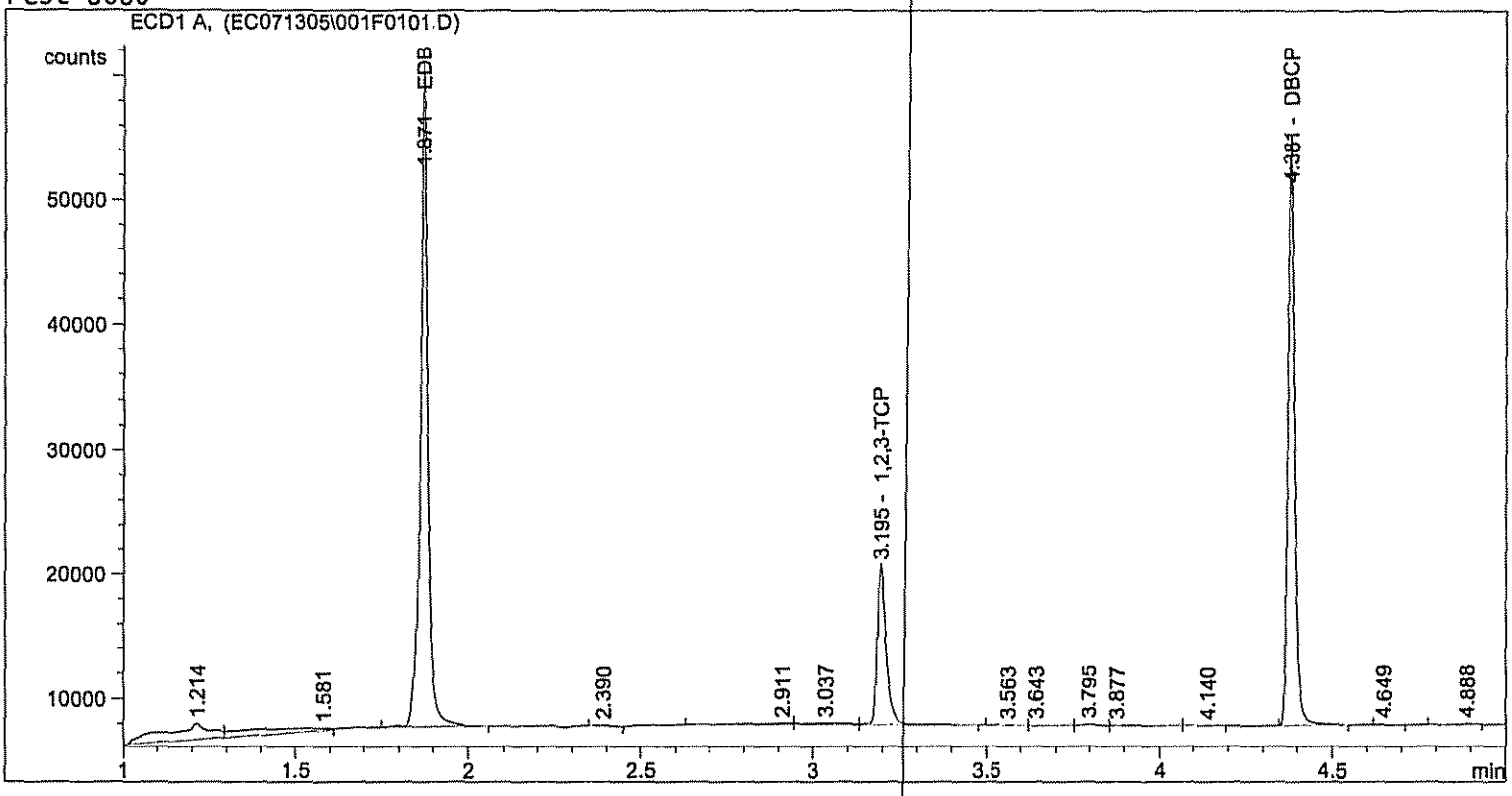


1,2,3-TCP at exp. RT: 3.195
ECD1 A,
Correlation: 0.98634
Residual Std. Dev.: 1583.16498
Formula: y = mx + b
m: 5269.47556
b: 3888.07630
x: Amount[µg/L]
y: Area



DBCP at exp. RT: 4.381
ECD1 A,
Correlation: 0.99768
Residual Std. Dev.: 1233.88348
Formula: y = mx + b
m: 19290.47801
b: 1705.41043
x: Amount[µg/L]
y: Area

```
Injection Date  : 7/13/05 04:05:48 PM          Seq. Line :   1
Sample Name     : EDB 4                             Vial :   1
Acq. Operator   : CLP                               Inj :   1
                                             Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\EDB.M
Last changed    : 4/13/05 08:08:30 AM by CLP
Analysis Method : C:\HPCHEM\1\DATA\EC071305\EDB.M
Last changed    : 7/15/05 09:54:28 AM by CLP
Pest 8080
```



External Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      7/15/05 09:53:48 AM
Multiplier             :      1.0000
Dilution               :      1.0000
```

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.871	BV	8.73382e4	3.62907e-5	3.16956		EDB
3.195	VB	2.39030e4	1.58904e-4	3.79829		1,2,3-TCP
4.381	BV	6.16994e4	5.04062e-5	3.11003		DBCP

Totals : 10.07788

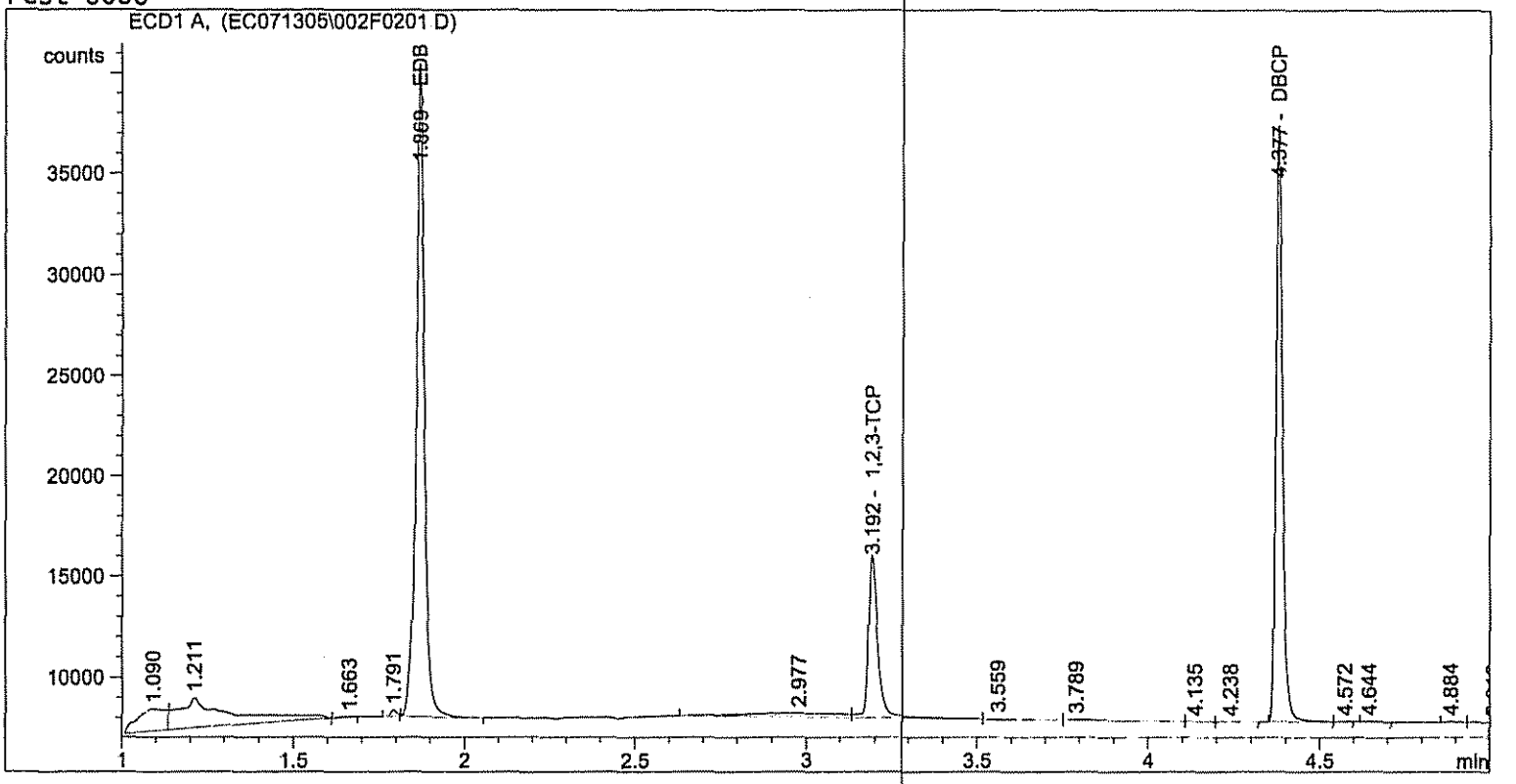
Results obtained with enhanced integrator!

*** End of Report ***

Injection Date : 7/13/05 04:19:29 PM
Sample Name : EDB 2
Acq. Operator : CLP

Seq. Line : 2
Vial : 2
Inj : 1
Inj Volume : 2 µl

Acq. Method : C:\HPCHEM\1\METHODS\EDB.M
Last changed : 4/13/05 08:08:30 AM by CLP
Analysis Method : C:\HPCHEM\1\DATA\EC071305\EDB.M
Last changed : 7/15/05 09:54:28 AM by CLP
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : 7/15/05 09:53:48 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.869	VP	5.46170e4	3.56700e-5	1.94819		EDB
3.192	VV	1.61549e4	1.44099e-4	2.32790		1,2,3-TCP
4.377	BP	3.94032e4	4.95954e-5	1.95422		DBCP

Totals : 6.23031

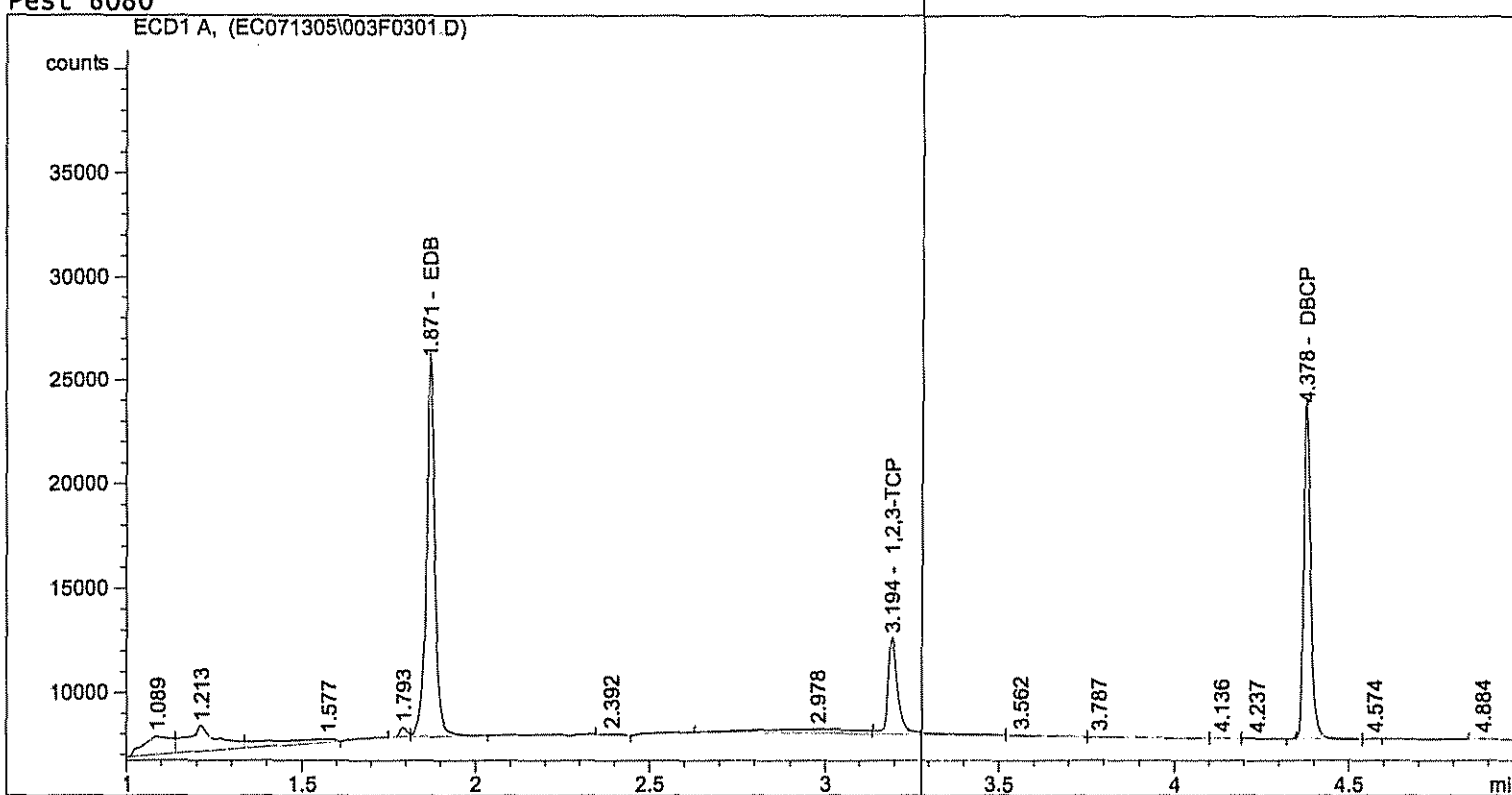
Results obtained with enhanced integrator!

*** End of Report ***

Injection Date : 7/13/05 04:33:14 PM
Sample Name : EDB 1
Acq. Operator : CLP

Seq. Line : 3
Vial : 3
Inj : 1
Inj Volume : 2 µl

Acq. Method : C:\HPCHEM\1\METHODS\EDB.M
Last changed : 4/13/05 08:08:22 AM by CLP
Analysis Method : C:\HPCHEM\1\DATA\EC071305\EDB.M
Last changed : 7/15/05 09:54:28 AM by CLP
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : 7/15/05 09:53:48 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.871	VV	3.15200e4	3.44560e-5	1.08606		EDB
3.194	VV	1.02450e4	1.17752e-4	1.20638		1,2,3-TCP
4.378	BP	2.25741e4	4.79227e-5	1.08181		DBCP

Totals : 3.37424

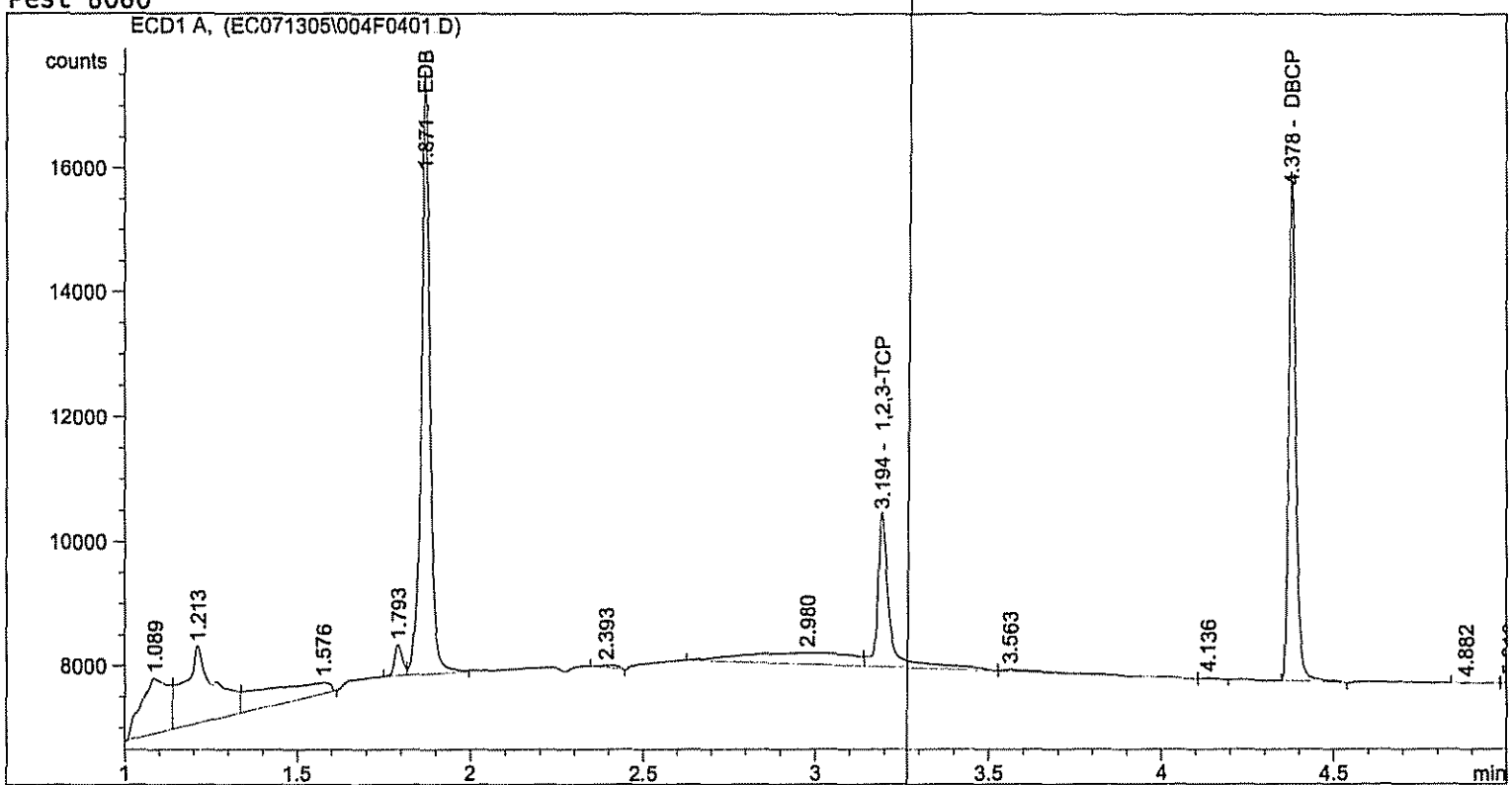
Results obtained with enhanced integrator!

*** End of Report ***

Injection Date : 7/13/05 04:46:57 PM
Sample Name : EDB 0.5
Acq. Operator : CLP

Seq. Line : 4
Vial : 4
Inj : 1
Inj Volume : 2 µl

Acq. Method : C:\HPCHEM\1\METHODS\EDB.M
Last changed : 4/13/05 08:08:22 AM by CLP
Analysis Method : C:\HPCHEM\1\DATA\EC071305\EDB.M
Last changed : 7/15/05 09:54:28 AM by CLP
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : 7/15/05 09:53:48 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.871	VB	1.68811e4	3.19666e-5	5.39634e-1		EDB
3.194	VB	6232.15723	7.13784e-5	4.44841e-1		1,2,3-TCP
4.378	BP	1.17849e4	4.43373e-5	5.22512e-1		DBCP

Totals : 1.50699

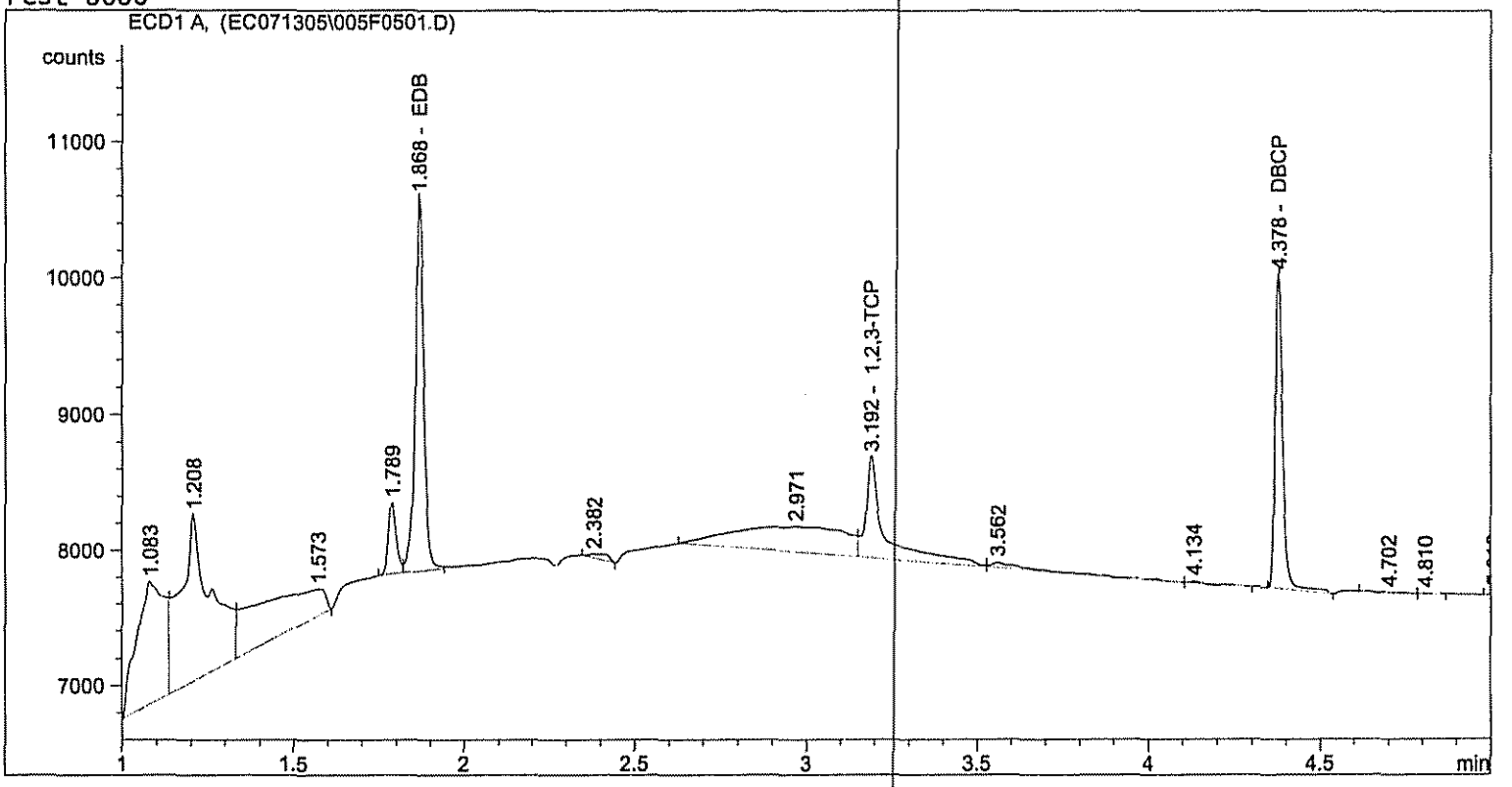
Results obtained with enhanced integrator!

*** End of Report ***

Injection Date : 7/13/05 05:00:45 PM
Sample Name : EDB 0.1
Acq. Operator : CLP

Seq. Line : 5
Vial : 5
Inj : 1
Inj Volume : 2 µl

Acq. Method : C:\HPCHEM\1\METHODS\EDB.M
Last changed : 4/13/05 08:08:22 AM by CLP
Analysis Method : C:\HPCHEM\1\DATA\EC071305\EDB.M
Last changed : 7/15/05 09:54:28 AM by CLP
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : 7/15/05 09:53:48 AM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.868	VB	4843.92773	1.86468e-5	9.03238e-2		EDB
3.192	VV	2953.25317	0.00000	0.00000		1,2,3-TCP
4.378	BP	3554.90918	2.69701e-5	9.58763e-2		DBCP

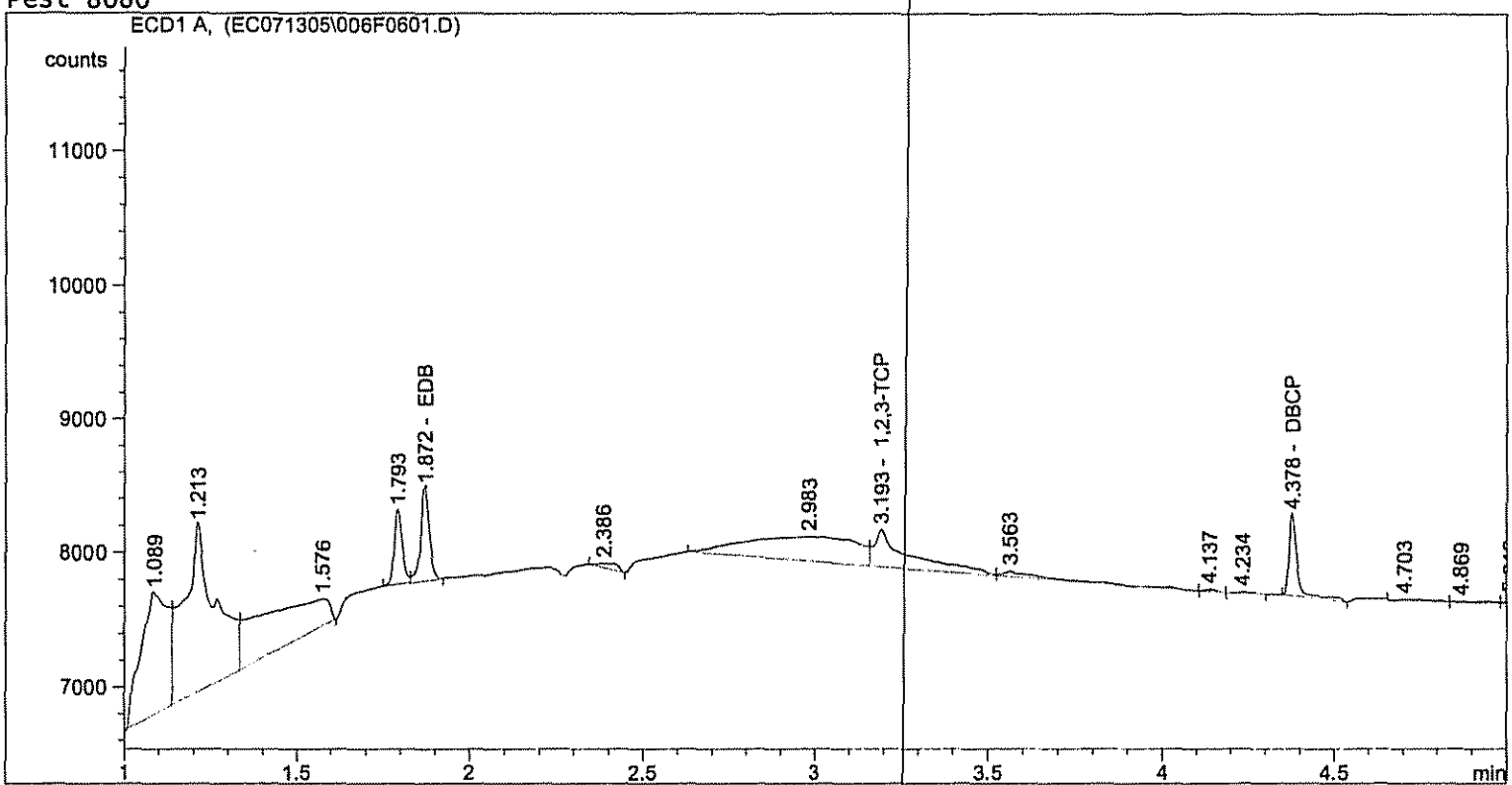
Totals : 1.86200e-1

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (1,2,3-TCP)

*** End of Report ***

```
==========================================================================
Injection Date  : 7/13/05 05:14:36 PM          Seq. Line :   6
Sample Name     : EDB 0.02                          Vial :   6
Acq. Operator   : CLP                               Inj :   1
                                             Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\EDB.M
Last changed    : 4/13/05 08:08:22 AM by CLP
Analysis Method : C:\HPCHEM\1\DATA\EC071305\EDB.M
Last changed    : 7/15/05 09:54:28 AM by CLP
Pest 8080
```




```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/15/05 09:53:48 AM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.872	VV	1239.91113	0.00000	0.00000		EDB
3.193	VV	1958.84326	0.00000	0.00000		1,2,3-TCP
4.378	BP	1041.51611	0.00000	0.00000		DBCP

Totals : 0.00000

Results obtained with enhanced integrator!
3 Warnings or Errors :

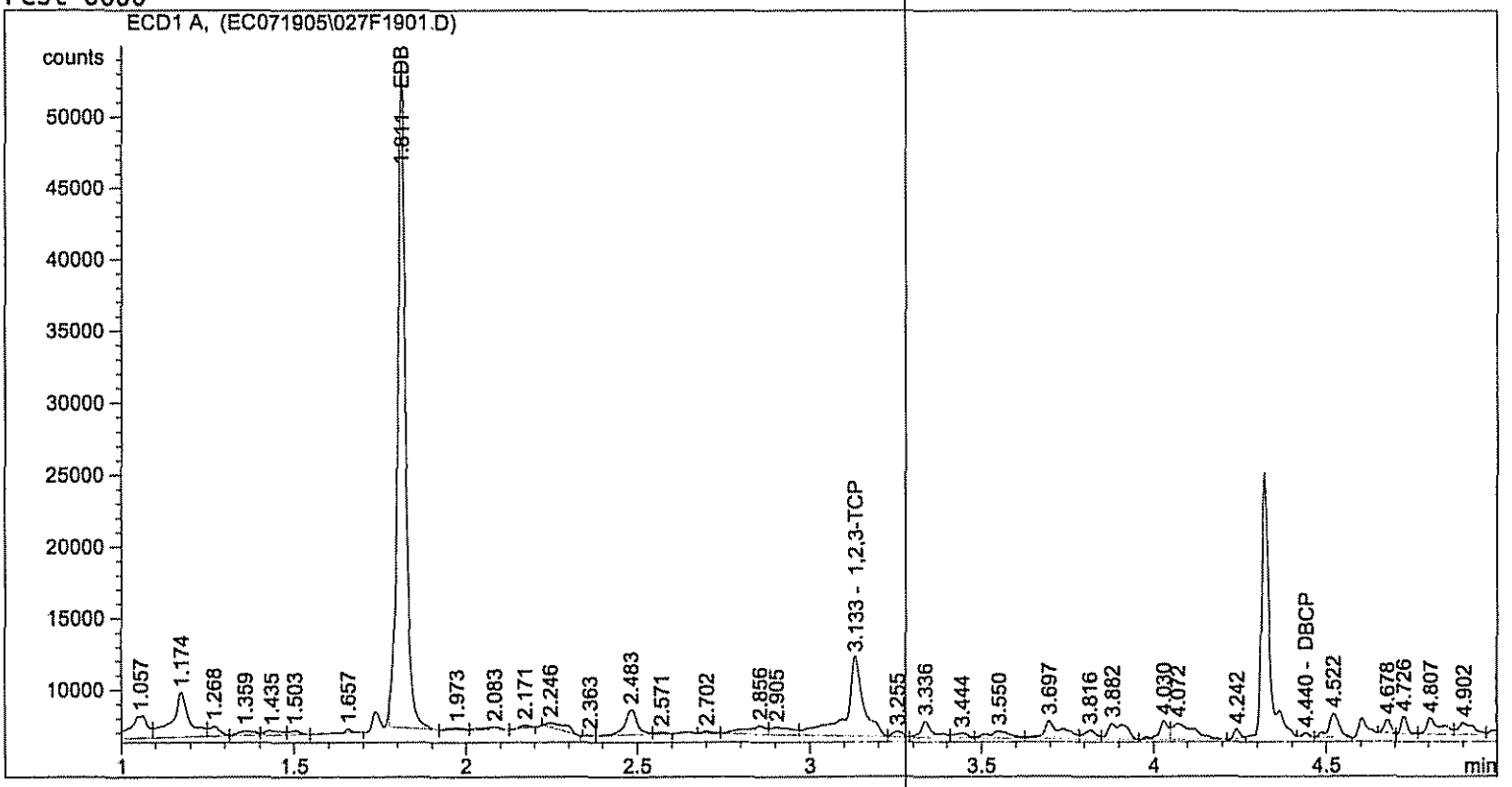
Warning : Negative results set to zero (cal. curve intercept), (EDB)
Warning : Negative results set to zero (cal. curve intercept), (1,2,3-TCP)
Warning : Negative results set to zero (cal. curve intercept), (DBCP)

==========
*** End of Report ***

EDB QC, Blanks Raw Data

Injection Date : 7/19/05 07:31:36 PM Seq. Line : 19
Sample Name : 142922 x1 MS 6349-108-4F x1MS Vial : 27
Acq. Operator : CLP Inj : 1
CP 9/23 Inj Volume : 2 µl

Acq. Method : C:\HPCHEM\1\METHODS\EDB.M
Last changed : 4/13/05 08:08:22 AM by CLP
Analysis Method : C:\HPCHEM\1\DATA\EC071905\EDB.M
Last changed : 7/20/05 10:32:24 AM by CLP
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Tuesday, July 19, 2005 12:30:18 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.811	BP	7.38135e4	4.60372e-5	3.39817		EDB
3.133	VV	2.06792e4	1.30432e-4	2.69723		1,2,3-TCP
4.440	BP	346.23099	0.00000	0.00000		DBCP

Totals : 6.09540

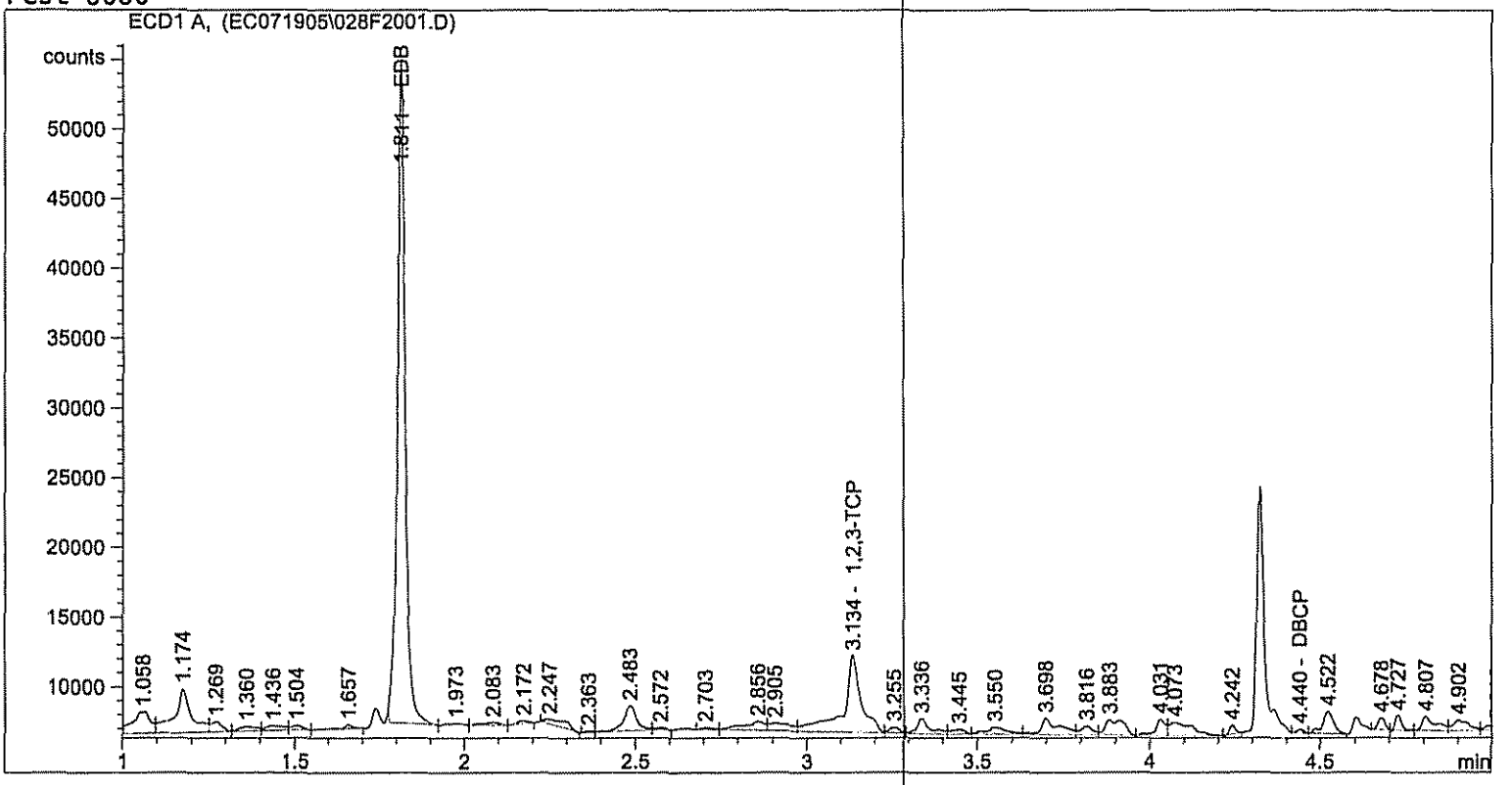
Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (DBCP)

*** End of Report ***

Injection Date : 7/19/05 07:45:32 PM Seq. Line : 20
Sample Name : 142923 x1 MSD G349-108-46 x1 MSD Vial : 28
Acq. Operator : CLP Inj : 1
9/23 Inj Volume : 2 µl

Acq. Method : C:\HPCHEM\1\METHODS\EDB.M
Last changed : 4/13/05 08:08:22 AM by CLP
Analysis Method : C:\HPCHEM\1\DATA\EC071905\EDB.M
Last changed : 7/20/05 10:32:24 AM by CLP
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Tuesday, July 19, 2005 12:30:18 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.811	BP	7.68641e4	4.61205e-5	3.54501		EDB
3.134	VV	2.04721e4	1.30106e-4	2.66354		1,2,3-TCP
4.440	BV	341.93622	0.00000	0.00000		DBCP

Totals : 6.20856

Results obtained with enhanced integrator!
1 Warnings or Errors :

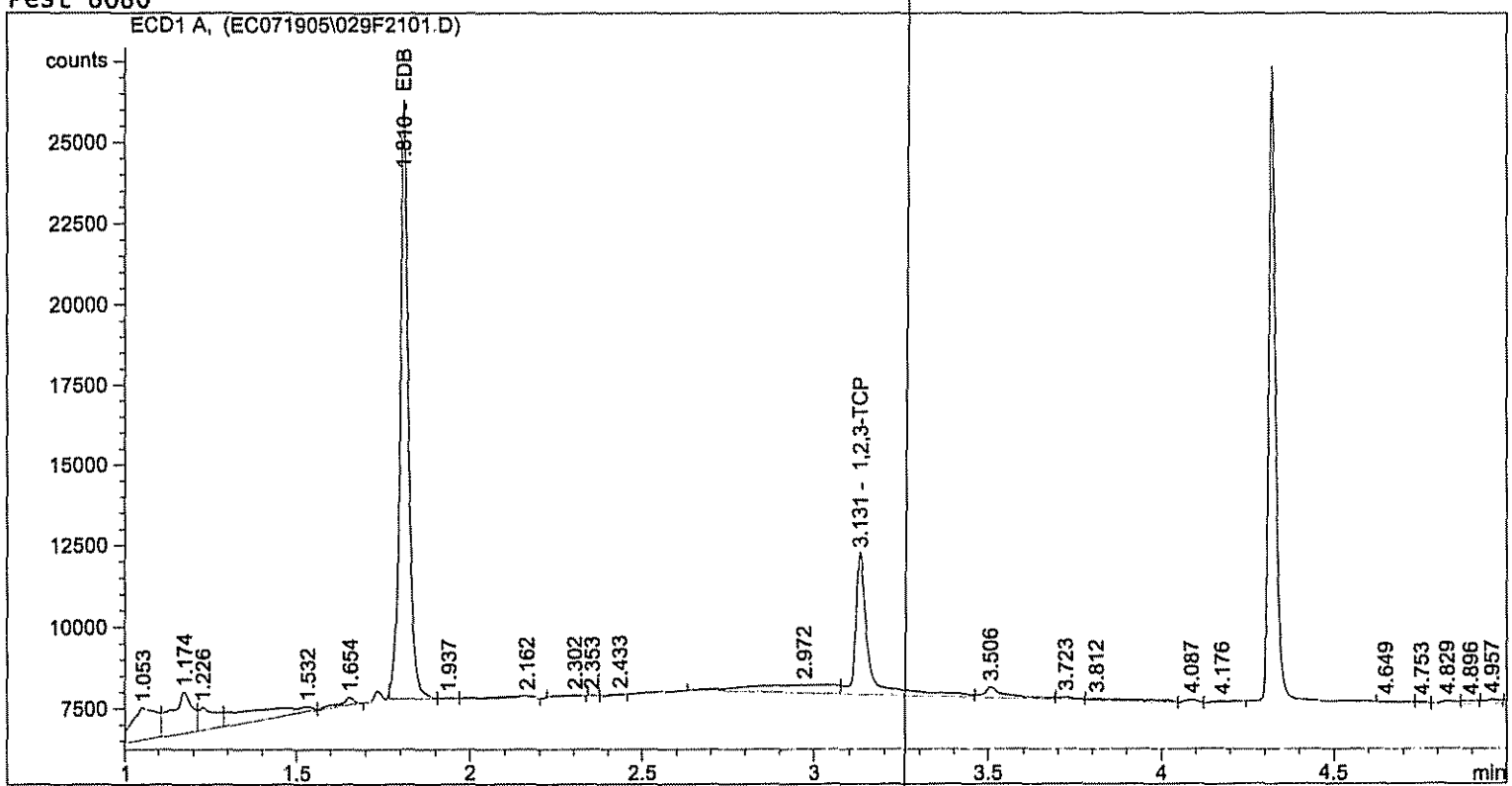
Warning : Negative results set to zero (cal. curve intercept), (DBCP)

*** End of Report ***

Injection Date : 7/19/05 07:59:21 PM
Sample Name : LCS3264
Acq. Operator : CLP

Seq. Line : 21
Vial : 29
Inj : 1
Inj Volume : 2 µl

Acq. Method : C:\HPCHEM\1\METHODS\EDB.M
Last changed : 4/13/05 08:08:22 AM by CLP
Analysis Method : C:\HPCHEM\1\DATA\EC071905\EDB.M
Last changed : 7/20/05 10:32:24 AM by CLP
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Tuesday, July 19, 2005 12:30:18 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.810	BV	3.08593e4	4.31152e-5	1.33051		EDB
3.131	VV	1.14947e4	1.04647e-4	1.20289		1,2,3-TCP
4.381		-	-	-		DBCP

Totals : 2.53339

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

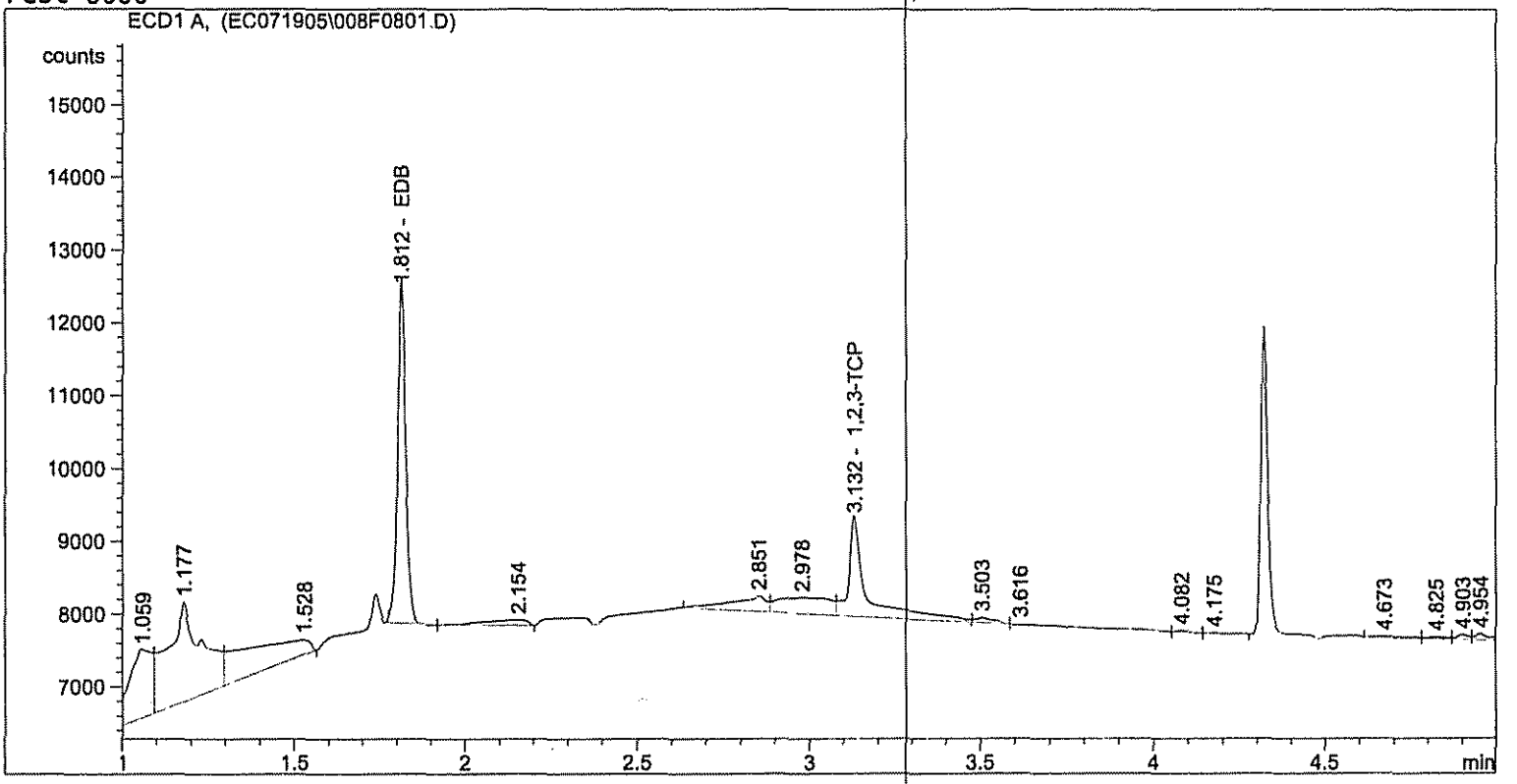
*** End of Report ***

EDB CVS Raw Data

Injection Date : 7/19/05 11:04:58 AM
Sample Name : QC 0.25
Acq. Operator : CLP

Seq. Line : 8
Vial : 8
Inj : 1
Inj Volume : 2 µl

Acq. Method : C:\HPCHEM\1\METHODS\EDB.M
Last changed : 4/13/05 08:08:22 AM by CLP
Analysis Method : C:\HPCHEM\1\DATA\EC071905\EDB.M
Last changed : 7/20/05 10:32:24 AM by CLP
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Tuesday, July 19, 2005 12:30:18 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.812	BP	7710.58545	2.80404e-5	2.16208e-1		EDB
3.132	VV	5071.30469	3.11119e-5	1.57778e-1		1,2,3-TCP
4.381		-	-	-		DBCP

Totals : 3.73986e-1

Results obtained with enhanced integrator!
1 Warnings or Errors :

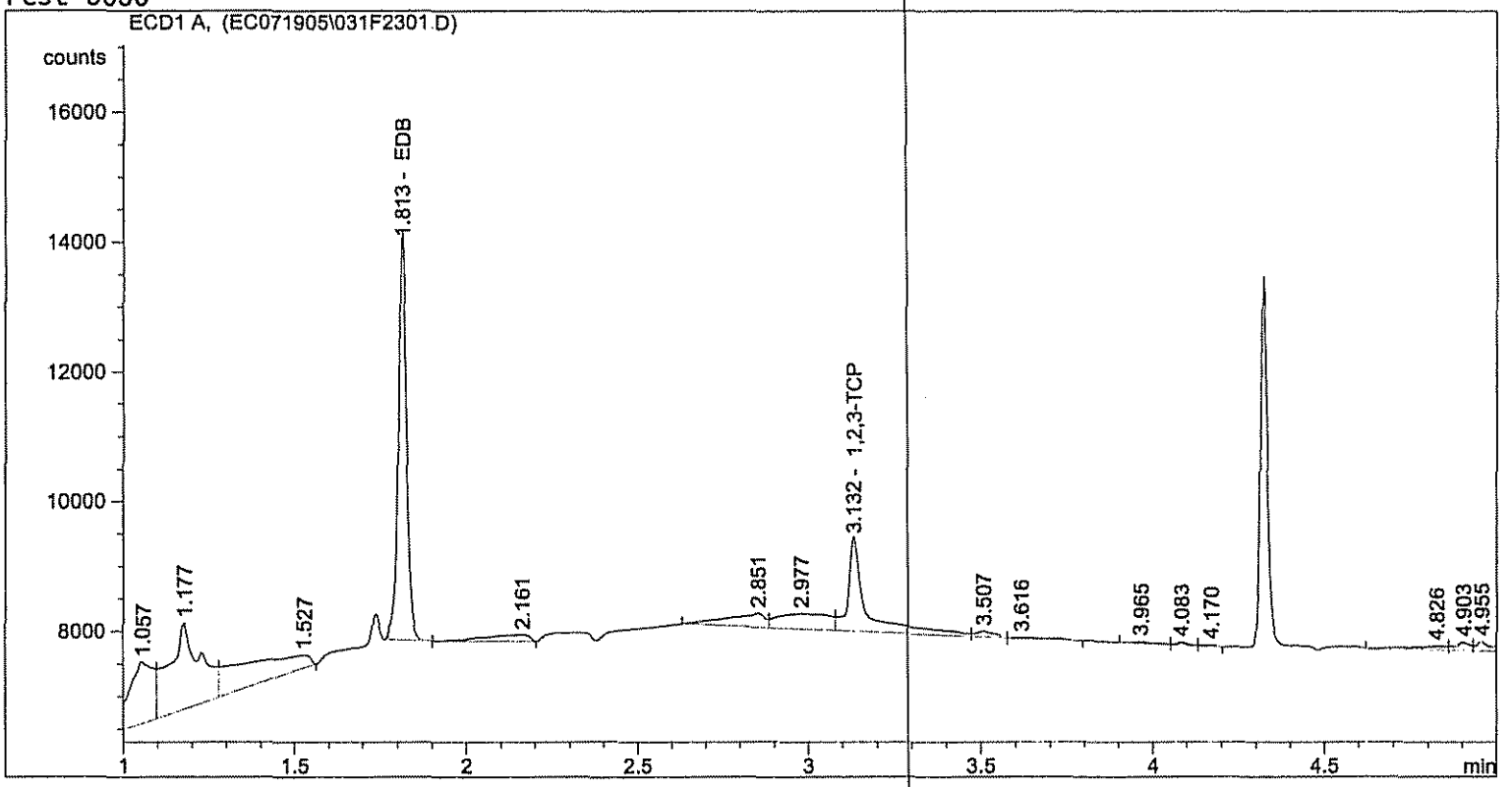
Warning : Calibrated compound(s) not found

*** End of Report ***

Injection Date : 7/19/05 08:26:58 PM
Sample Name : QC 0.25
Acq. Operator : CLP

Seq. Line : 23
Vial : 31
Inj : 1
Inj Volume : 2 µl

Acq. Method : C:\HPCHEM\1\METHODS\EDB.M
Last changed : 4/13/05 08:08:22 AM by CLP
Analysis Method : C:\HPCHEM\1\DATA\EC071905\EDB.M
Last changed : 7/20/05 10:32:24 AM by CLP
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Tuesday, July 19, 2005 12:30:18 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.813	BB	1.05374e4	3.34315e-5	3.52280e-1		EDB
3.132	VV	5381.18555	3.86898e-5	2.08197e-1		1,2,3-TCP
4.381		-	-	-		DBCP

Totals : 5.60477e-1

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibrated compound(s) not found

*** End of Report ***

EDB Prep, Standard, Run Logs

Prep Report for Batch 3264 (8011/EDB/WATER) on 2005-07-19

Sample ID (GCCODE)	EXT	InitWt	InitVol	QCSpikeID	QCSpikeVol	FinalVol	HexaneLot	Analyst
G161-2069-1O (142914)		35.70				2	CO232	clp
G161-2069-2R (142915)		35.67				2	CO232	clp
G161-2070-1O (142916)		35.71				2	CO232	clp
G349-108-1E (142917)		35.78				2	CO232	clp
G349-108-1F (142918)	DUP	36.31				2	CO232	clp
G349-108-2E (142919)		35.93				2	CO232	clp
G349-108-3E (142920)		35.33				2	CO232	clp
G349-108-4E (142921)		36.25				2	CO232	clp
G349-108-4F (142922)	MS	35.56		EDBQC-SV03-W11B	140 uL	2	CO232	clp
G349-108-4G (142923)	MSD	35.56		EDBQC-SV03-W11B	140 uL	2	CO232	clp
G460-26-1L (142929)		35.00				2	CO232	clp
G460-26-2L (142930)		34.25				2	CO232	clp
G460-26-3N (142931)		34.06				2	CO232	clp
G460-26-4E (142932)		35.44				2	CO232	clp
G460-26-5E (142933)		34.79				2	CO232	clp
G460-26-6E (142934)		35.88				2	CO232	clp
G460-26-7E (142935)		34.28				2	CO232	clp
G460-26-8E (142936)		35.66				2	CO232	clp
G460-26-9E (142937)		34.18				2	CO232	clp
LCS3264	LCS	35.19		EDBQC-SV03-W11B	140 uL	2	CO232	clp
PB3264	PB	35.54				2	CO232	clp

Paradigm Analytical

ECD1 Runlog Sheet

Method: _____ Initial Cal. Curve: _____

Matrix: _____ Batch: ec071905

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
007F0701.D	EDB 0.02	19-Jul-05, 10:51:09					CLP	
008F0801.D	QC 0.25	19-Jul-05, 11:04:58					CLP	
009F0101.D	PB3264	19-Jul-05, 15:23:04					CLP	
010F0201.D	G161-2069-1O x1	19-Jul-05, 15:36:41					CLP	
011F0301.D	G161-2069-2R x1	19-Jul-05, 15:50:26					CLP	
012F0401.D	G161-2070-1O x1	19-Jul-05, 16:04:13					CLP	
013F0501.D	G349-108-1E x1	19-Jul-05, 16:17:58					CLP	
014F0601.D	G349-108-2E x1	19-Jul-05, 16:31:45					CLP	
015F0701.D	G349-108-3E x1	19-Jul-05, 16:45:36					CLP	
016F0801.D	G349-108-4E x1	19-Jul-05, 16:59:21					CLP	
017F0901.D	G460-26-1L x1	19-Jul-05, 17:13:32					CLP	
018F1001.D	G460-26-2L x1	19-Jul-05, 17:27:19					CLP	
019F1101.D	G460-26-3N x1	19-Jul-05, 17:41:10					CLP	
020F1201.D	G460-26-4E x1	19-Jul-05, 17:54:51					CLP	
021F1301.D	G460-26-5E x1	19-Jul-05, 18:08:39					CLP	
022F1401.D	G460-26-6E x1	19-Jul-05, 18:22:20					CLP	
023F1501.D	G460-26-7E x1	19-Jul-05, 18:36:08					CLP	
024F1601.D	G460-26-8E x1	19-Jul-05, 18:49:57					CLP	
025F1701.D	G460-26-9E x1	19-Jul-05, 19:03:47					CLP	
026F1801.D	QC 0.25	19-Jul-05, 19:17:39					CLP	
027F1901.D	G349-108-4F x1 MS	19-Jul-05, 19:31:36	cid= 142922				CLP	
028F2001.D	G349-108-4G x1 MSD	19-Jul-05, 19:45:32	cid= 142923				CLP	
029F2101.D	LCS3264	19-Jul-05, 19:59:21					CLP	
030F2201.D	G349-108-1F x1 DUP	19-Jul-05, 20:13:12	cid= 142918				CLP	

Analyst: Page Number:

Paradigm Analytical

ECD1 Runlog Sheet

Method: _____ Initial Cal. Curve: _____

Matrix: _____ Batch: ec092105

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001F0101.D	Blk	21-Sep-05, 09:17:12					DCS	
002F0201.D	G122-2288-7D 2000	21-Sep-05, 09:35:56	cid= 1016-1260				DCS	
003F0301.D	G122-2288-7D 1000	21-Sep-05, 09:54:40	cid= 1016-1260				DCS	
004F0401.D	G122-2288-7D 500	21-Sep-05, 10:13:26	cid= 1016-1260				DCS	
005F0501.D	G122-2288-7D 250	21-Sep-05, 10:32:07	cid= 1016-1260				DCS	
006F0601.D	G122-2288-7D 100	21-Sep-05, 10:50:53	cid= 1016-1260				DCS	
007F0701.D	cvs-PCB-1000	21-Sep-05, 11:09:37					DCS	
008F0101.D	G546-48-11K x1	21-Sep-05, 14:52:24					DCS	
009F0201.D	PB3660	21-Sep-05, 15:11:11					DCS	
010F0301.D	G442-343-1C x1	21-Sep-05, 15:29:53					DCS	
011F0401.D	G442-343-2C x1	21-Sep-05, 15:48:35					DCS	
012F0501.D	G442-344-1C x1	21-Sep-05, 16:07:20					DCS	
013F0601.D	G442-344-2C x1	21-Sep-05, 16:26:04					DCS	
014F0701.D	G442-344-3C x1	21-Sep-05, 16:44:50					DCS	
015F0801.D	G442-344-3F x1 MS	21-Sep-05, 17:03:33	cid= 161464				DCS	
016F0901.D	G442-344-3G x1 MSD	21-Sep-05, 17:22:16	cid= 161465				DCS	
017F1001.D	LCS3660	21-Sep-05, 17:41:00					DCS	
018F1101.D	QC-Ref3660	21-Sep-05, 17:59:46					DCS	
019F1201.D	cvs-PCB-1000	21-Sep-05, 18:18:25					DCS	

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		6/23/06	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	DC
D	ECD03-R6O	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~~ W17R		EPH Surr	~~2mL~~	↓	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		12/25	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	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	↓	20ul	↓	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.

Semi-Volatile Standards Logbook

Paradigm Analytical

Logbook ID: _____

Working

Page: W16

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 W8A	1/06	PCP Matrix Spike	40ul	10ml	500ug/ml	2 ug/mL	MeOH		1/06	9/8/05	CP
B	TPH-RSP	–	Frac 2 BN 004	2mL	20ml	100,000ug/mL	10,000ug/mL	Hex		8/31/06	8/31/05	DCJ
C	TPH-RSR	–	Frac 2 Fr 2	↓	↓	↓	↓	↓		↓	↓	↓
D	ECD03-R8B	5/12	EPH Aliphatic	500ul	20mL	1000ug/mL	40ug/mL	Hex		9/13/06	9/13/05	DCJ
E	ECD03-R8C	12/06	EPH Aromatic	500ul	↓	1000ug/mL	↓	↓	Aromatic EPH	↓	↓	↓
F	ECD03 W16B	8/31/06	Frac W16 B,C	↓	↓	10,000ug/mL	400ug/mL	↓	↓	↓	↓	↓
G	~~EHSR SVA3W17A~~	~~7/01/06~~	~~EPH SR~~	~~2ml~~	~~↓~~	~~900ug/mL~~	~~↓40ug/mL~~	~~↓~~	~~↓~~	~~↓~~	~~↓~~	~~↓~~
H	ECD03-W8A	1/06	PCP Matrix Spike	40ul	1ml	500ug/mL	2ug/mL	MeOH		1/06	9/15/05	CP
I	ECD-R7X	8/9/06	8081 ICAL Std	50ul	50ml	200ug/ml	200 ug/L	Hexane		8/06	9/22/05	CP
J												
K												
L												
M												
N												
O												
P												
Q												
R												
S												
T												
U												
V												
W												

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.

EPH Sample Raw Data

External Standard Report

Data File Name : C:\HPCHEM\1\DATA\EP071505\030F2501.D
Operator : DCS
Instrument : GC6
Sample Name : G161-2070-1M x1 T
Run Time Bar Code: 141694
Acquired on : 16 Jul 05 3:14:19 AM
Report Created on: 18 Jul 2005 9:08:25 AM
Last Recalib on : 8 Jun 2005 10:16:23 AM
Multiplier : 1.0000

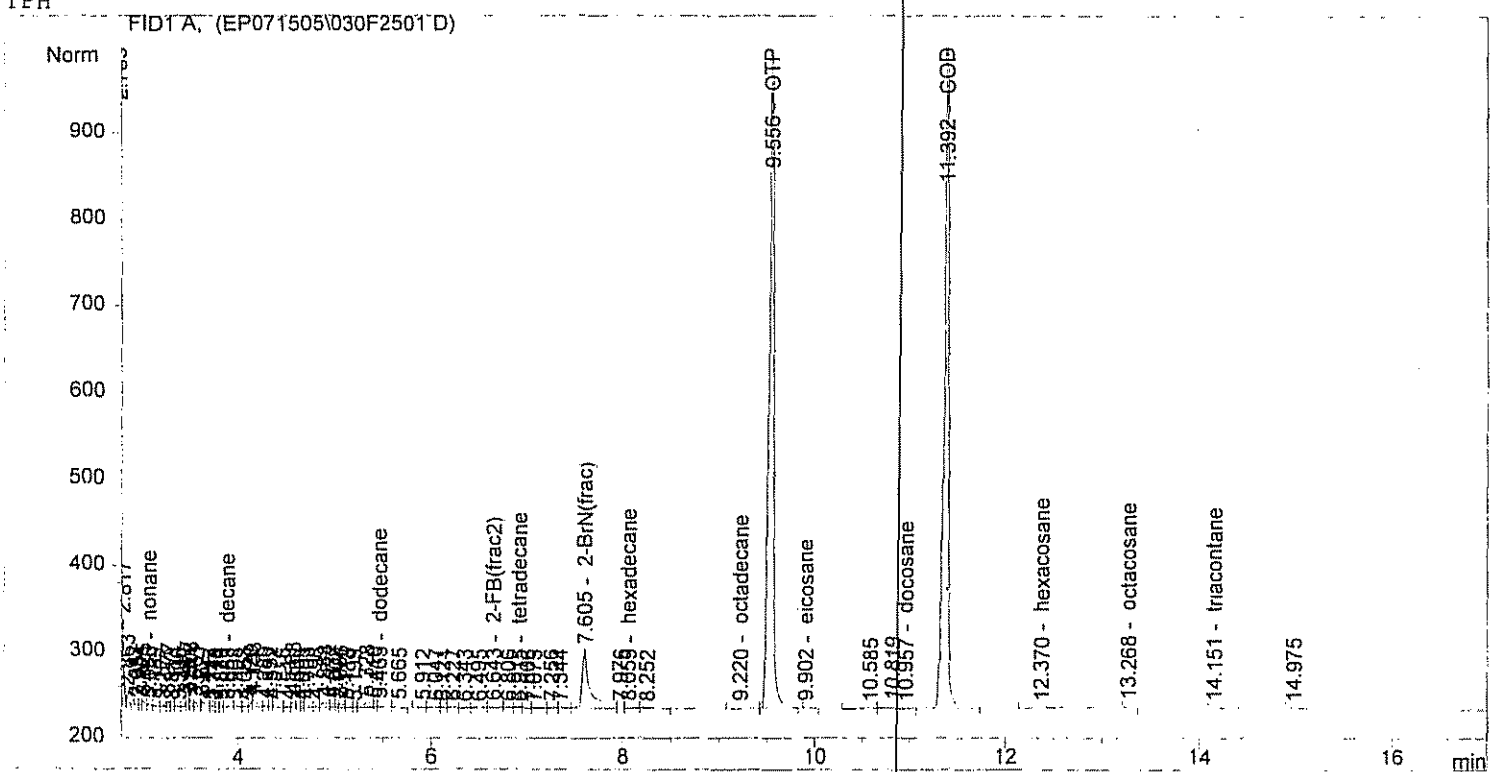
Page Number :
Vial Number : Vial 30
Injection Number : 1
Sequence Line : 25
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

DC 7/18

Sig. 1 in C:\HPCHEM\1\DATA\EP071505\030F2501.D

Ret Time	Area	Type	Width	Ref#	ng	Name
3.080	5.58360	VV	0.02	1	6.761e-6	nonane
3.883	7.99013	VV	0.05	2	9.674e-6	decane
5.465	18.67455	VV	0.07	3	2.261e-5	dodecane
6.643	13.65411	VV	0.08	4	1.653e-5	2-FB(frac2)
6.915	4.76280	VV	0.04	5	5.767e-6	tetradecane
7.605	386.69229	VV	0.07	6	0.00047	2-BrN(frac)
8.059	14.25397	VV	0.08	7	1.726e-5	hexadecane
9.220	18.66154	VP	0.09	8	2.260e-5	octadecane
9.556	2786.13379	VP	0.03	9	0.00337	OTP
9.581	0.00000	XX	0.00	10	0.00000	nonadecane
9.902	4.07976	BP	0.04	11	4.940e-6	eicosane
10.957	5.15116	VV	0.05	12	6.237e-6	docosane
11.392	2631.36304	VB	0.03	13	0.00319	COD
11.888	0.00000	XX	0.00	14	0.00000	tetracosane
12.370	14.17937	VV	0.12	15	1.717e-5	hexacosane
13.268	11.98238	BV	0.05	16	1.451e-5	octacosane
14.151	10.49624	VB	0.05	17	1.271e-5	triacontane
16.215	0.00000	XX	0.00	18	0.00000	hexatriacontane
0.554	146.07437	PV	0.02	1	0.00018	* uncalibrated *
0.590	93.66878	VV	0.01	2	0.00011	* uncalibrated *
1.834	8.16484e7	VVS	1.01	3	98.85929	* uncalibrated *
1.894	7.89308e5	VVS	0.01	4	0.95569	* uncalibrated *
1.959	2.13451e4	VVS	0.06	5	0.02584	* uncalibrated *
2.020	9630.88770	VVS	0.03	6	0.01166	* uncalibrated *
2.064	1.17967e4	VVS	0.04	7	0.01428	* uncalibrated *
2.116	8627.50195	VVS	0.02	8	0.01045	* uncalibrated *
2.155	9091.05664	VVS	0.03	9	0.01101	* uncalibrated *
2.209	1.48145e4	VVS	0.06	10	0.01794	* uncalibrated *
2.268	6571.95752	VVS	0.02	11	0.00796	* uncalibrated *
2.302	6323.41650	VVS	0.02	12	0.00766	* uncalibrated *
2.386	1.59392e4	VVS	0.08	13	0.01930	* uncalibrated *
2.447	6721.88818	VVS	0.03	14	0.00814	* uncalibrated *
2.483	5286.34912	VVS	0.02	15	0.00640	* uncalibrated *
2.516	5575.76904	VVS	0.02	16	0.00675	* uncalibrated *
2.560	1.02124e4	VVS	0.06	17	0.01237	* uncalibrated *
2.631	5443.29980	VVS	0.03	18	0.00659	* uncalibrated *
2.672	4490.98828	VVS	0.04	19	0.00544	* uncalibrated *
2.734	2833.20068	VVS	0.03	20	0.00343	* uncalibrated *
2.783	1420.76050	VBAS	0.02	21	0.00172	* uncalibrated *
2.817	22.28993	BP	0.01	22	2.699e-5	* uncalibrated *
2.863	11.83670	VP	0.01	23	1.433e-5	* uncalibrated *
2.957	4.74062	VV	0.02	24	5.740e-6	* uncalibrated *
2.984	2.91692	VV	0.01	25	3.532e-6	* uncalibrated *

```
==========================================================================
Injection Date  : 7/16/2005 3:14:19 AM          Seq. Line :  25
Sample Name     : 141694 x1 T                    Location : Vial 30
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                           Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\071505.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    : 7/14/2005 10:40:30 AM by DCS
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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   3.080 VV     0.0296    5.58360 6.761e-6 nonane
   2   3.883 VV     0.0508    7.99013 9.674e-6 decane
   3   5.465 VV     0.0710   18.67455 2.261e-5 dodecane
   4   6.643 VV     0.0844   13.65411 1.653e-5 2-FB(frac2)
   5   6.915 VV     0.0495    4.76280 5.767e-6 tetradecane
   6   7.605 VV     0.0717  386.69229  0.00047 2-BrN(frac)
   7   8.059 VV     0.0852   14.25397 1.726e-5 hexadecane
   8   9.220 VP     0.0916   18.66154 2.260e-5 octadecane
   9   9.556 VP     0.0392 2786.13379  0.00337 OTP
  10   9.581        0.0000    0.00000  0.00000 nonadecane
  11   9.902 BP     0.0407    4.07976 4.940e-6 eicosane
  12  10.957 VV     0.0509    5.15116 6.237e-6 docosane
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.392	VB	0.0340	2631.36304	0.00319	COD
14	11.888		0.0000	0.00000	0.00000	tetracosane
15	12.370	VV	0.1235	14.17937	1.717e-5	hexacosane
16	13.268	BV	0.0595	11.98238	1.451e-5	octacosane
17	14.151	VB	0.0596	10.49624	1.271e-5	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 5933.65874 7.184e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.554	PV	0.0228	146.07437	0.00018	?
2	0.590	VV	0.0146	93.66878	0.00011	?
3	1.834	VV S	1.0126	8.16484e7	98.85929	?
4	1.894	VV S	0.0169	7.89308e5	0.95569	?
5	1.959	VV S	0.0600	2.13451e4	0.02584	?
6	2.020	VV S	0.0319	9630.88770	0.01166	?
7	2.064	VV S	0.0417	1.17967e4	0.01428	?
8	2.116	VV S	0.0281	8627.50195	0.01045	?
9	2.155	VV S	0.0337	9091.05664	0.01101	?
10	2.209	VV S	0.0652	1.48145e4	0.01794	?
11	2.268	VV S	0.0256	6571.95752	0.00796	?
12	2.302	VV S	0.0288	6323.41650	0.00766	?
13	2.386	VV S	0.0893	1.59392e4	0.01930	?
14	2.447	VV S	0.0383	6721.88818	0.00814	?
15	2.483	VV S	0.0264	5286.34912	0.00640	?
16	2.516	VV S	0.0292	5575.76904	0.00675	?
17	2.560	VV S	0.0617	1.02124e4	0.01237	?
18	2.631	VV S	0.0347	5443.29980	0.00659	?
19	2.672	VV S	0.0487	4490.98828	0.00544	?
20	2.734	VV S	0.0381	2833.20068	0.00343	?
21	2.783	VBAS	0.0239	1420.76050	0.00172	?
22	2.817	BP	0.0105	22.28993	2.699e-5	?
23	2.863	VP	0.0152	11.83670	1.433e-5	?
24	2.957	VV	0.0205	4.74062	5.740e-6	?
25	2.984	VV	0.0176	2.91692	3.532e-6	?
26	3.025	VV	0.0229	8.22032	9.953e-6	?
27	3.139	VP	0.0281	4.28029	5.183e-6	?
28	3.227	VV	0.0260	4.56003	5.521e-6	?
29	3.277	VV	0.0163	8.03059	9.723e-6	?
30	3.313	VV	0.0240	2.92049	3.536e-6	?
31	3.390	VV	0.0393	3.16016	3.826e-6	?
32	3.447	VV	0.0218	6.30467	7.634e-6	?
33	3.477	VV	0.0175	10.83753	1.312e-5	?
34	3.508	VV	0.0228	13.00008	1.574e-5	?
35	3.561	VV	0.0331	11.54335	1.398e-5	?
36	3.627	VV	0.0323	14.51895	1.758e-5	?
37	3.717	VV	0.0180	1.49232	1.807e-6	?
38	3.744	VV	0.0196	2.13010	2.579e-6	?
39	3.770	VV	0.0231	2.02967	2.458e-6	?
40	3.820	VV	0.0221	3.27926	3.971e-6	?
41	3.968	VV	0.0344	5.08889	6.162e-6	?
42	4.063	VV	0.0340	4.20300	5.089e-6	?
43	4.126	VV	0.0230	7.78678	9.428e-6	?
44	4.158	VV	0.0373	22.22706	2.691e-5	?
45	4.280	VV	0.0335	7.38368	8.940e-6	?
46	4.332	VV	0.0329	6.14708	7.443e-6	?
47	4.372	VV	0.0492	9.09335	1.101e-5	?
48	4.519	VV	0.0283	4.80306	5.816e-6	?
49	4.563	VV	0.0254	15.62598	1.892e-5	?
50	4.602	VV	0.0283	6.28021	7.604e-6	?
51	4.653	VV	0.0245	3.38743	4.101e-6	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
52	4.703	VV	0.0460	10.95522	1.326e-5	?
53	4.796	VV	0.0378	7.90245	9.568e-6	?
54	4.888	VV	0.0583	24.19506	2.930e-5	?
55	4.977	VV	0.0330	10.59213	1.282e-5	?
56	5.008	VV	0.0236	4.97563	6.024e-6	?
57	5.056	VV	0.0470	17.01792	2.061e-5	?
58	5.118	VV	0.0446	9.94806	1.205e-5	?
59	5.199	VV	0.0321	2.44657	2.962e-6	?
60	5.328	VV	0.0777	36.46636	4.415e-5	?
61	5.410	VV	0.0326	8.59766	1.041e-5	?
62	5.665	VV	0.0793	11.80445	1.429e-5	?
63	5.912	VV	0.0780	11.49973	1.392e-5	?
64	6.047	VV	0.0956	10.52976	1.275e-5	?
65	6.121	VV	0.0433	4.36070	5.280e-6	?
66	6.227	VV	0.0688	7.16905	8.680e-6	?
67	6.343	VV	0.0714	6.09837	7.384e-6	?
68	6.495	VV	0.0900	10.47570	1.268e-5	?
69	6.806	VV	0.0598	5.72131	6.927e-6	?
70	7.006	VV	0.0651	6.16415	7.464e-6	?
71	7.075	VV	0.0936	8.40889	1.018e-5	?
72	7.256	VV	0.0557	6.29976	7.628e-6	?
73	7.344	VV	0.0431	4.12877	4.999e-6	?
74	7.976	VV	0.0530	9.50293	1.151e-5	?
75	8.252	VV	0.1237	18.93708	2.293e-5	?
76	10.585	VV	0.1193	10.54994	1.277e-5	?
77	10.819	VV	0.0704	14.58881	1.766e-5	?
78	14.975	BP	0.0615	5.92320	7.172e-6	?

Uncalib. totals : 8.25846e7 99.9928

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\EP071505\031F2601.D
Operator : DCS
Instrument : GC6
Sample Name : G161-2070-2K x1 T
Run Time Bar Code: 141695
Acquired on : 16 Jul 05 3:41:44 AM
Report Created on: 18 Jul 2005 9:08:28 AM
Last Recalib on : 8 Jun 2005 10:16:23 AM
Multiplier : 1.0000

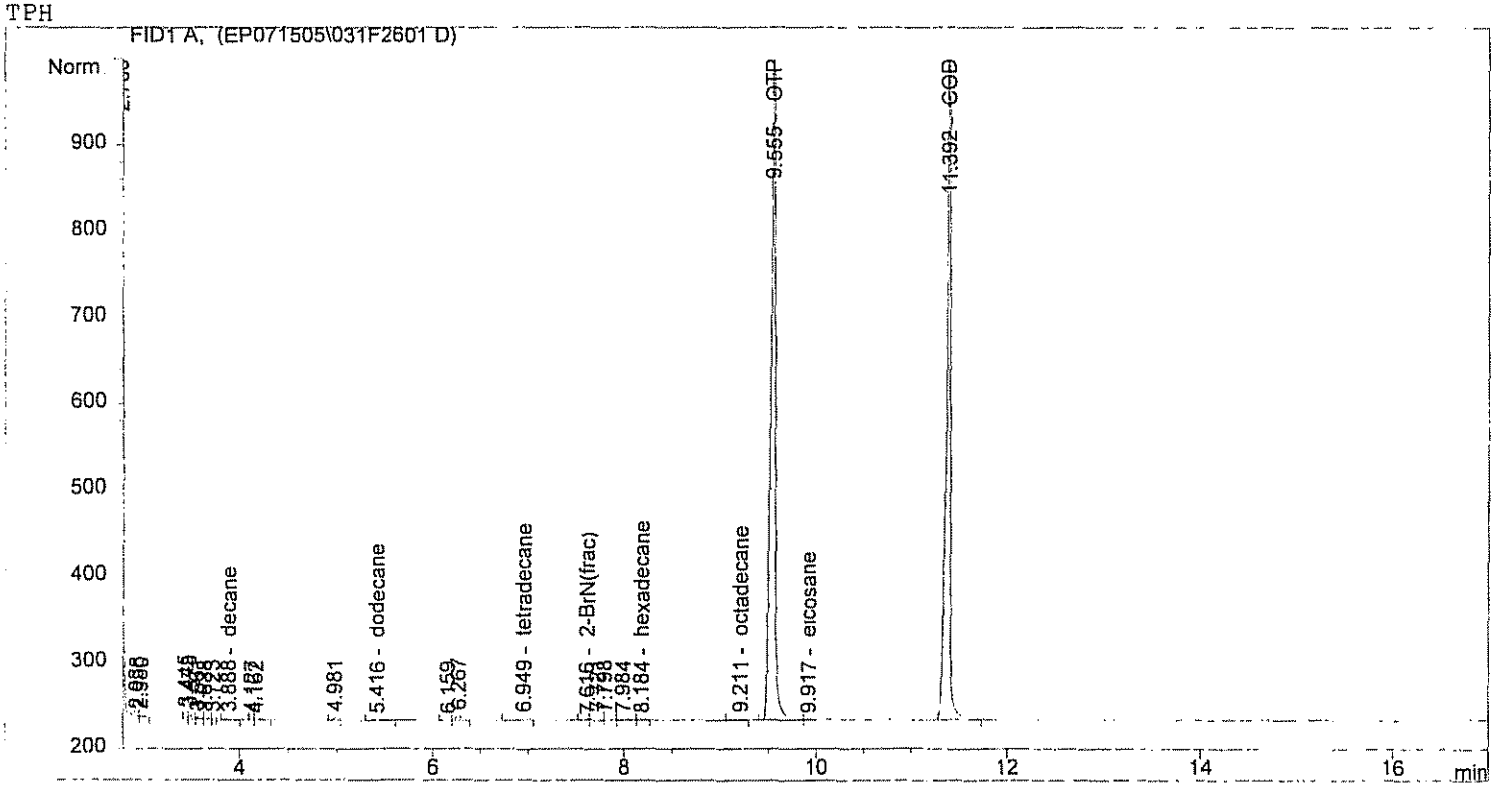
Page Number :
Vial Number : Vial 31
Injection Number : 1
Sequence Line : 26
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

DL 7/18

Sig. 1 in C:\HPCHEM\1\DATA\EP071505\031F2601.D

Ret Time	Area	Type	Width	Ref#	ng	Name
3.072	0.00000	XX	0.00	1	0.00000	nonane
3.888	4.35665	VP	0.05	2	5.381e-6	decane
5.416	12.22020	VV	0.13	3	1.509e-5	dodecane
6.610	0.00000	XX	0.00	4	0.00000	2-FB(frac2)
6.949	18.34939	VV	0.09	5	2.266e-5	tetradecane
7.616	4.22266	VV	0.04	6	5.215e-6	2-BrN(frac)
8.184	5.41086	VV	0.06	7	6.683e-6	hexadecane
9.211	10.83613	VV	0.06	8	1.338e-5	octadecane
9.555	2716.04810	BB	0.03	9	0.00335	OTP
9.581	0.00000	XX	0.00	10	0.00000	nonadecane
9.917	7.50645	BV	0.07	11	9.271e-6	eicosane
11.057	0.00000	XX	0.00	12	0.00000	docosane
11.392	2494.36841	BB	0.03	13	0.00308	COD
11.888	0.00000	XX	0.00	14	0.00000	tetracosane
12.658	0.00000	XX	0.00	15	0.00000	hexacosane
13.373	0.00000	XX	0.00	16	0.00000	octacosane
14.039	0.00000	XX	0.00	17	0.00000	triacontane
16.215	0.00000	XX	0.00	18	0.00000	hexatriacontane
0.063	4.30373	BV	0.05	1	5.315e-6	* uncalibrated *
0.556	201.99663	PV	0.02	2	0.00025	* uncalibrated *
0.589	108.60123	VV	0.01	3	0.00013	* uncalibrated *
0.639	7519.80029	VVS	0.01	4	0.00929	* uncalibrated *
0.679	3.39901e5	VVS	0.02	5	0.41979	* uncalibrated *
1.819	7.96861e7	VVS	0.98	6	98.41480	* uncalibrated *
1.884	7.91029e5	VVS	0.01	7	0.97695	* uncalibrated *
1.996	2.69716e4	VVS	0.09	8	0.03331	* uncalibrated *
2.054	1.48606e4	VVS	0.06	9	0.01835	* uncalibrated *
2.112	8559.11621	VVS	0.03	10	0.01057	* uncalibrated *
2.163	1.68711e4	VVS	0.08	11	0.02084	* uncalibrated *
2.282	1.63879e4	VVS	0.09	12	0.02024	* uncalibrated *
2.344	9818.17969	VVS	0.04	13	0.01213	* uncalibrated *
2.402	7129.41309	VVS	0.02	14	0.00881	* uncalibrated *
2.440	5784.20166	VVS	0.03	15	0.00714	* uncalibrated *
2.486	6595.76221	VVS	0.03	16	0.00815	* uncalibrated *
2.534	8506.10156	VVS	0.05	17	0.01051	* uncalibrated *
2.599	6662.06445	VVS	0.03	18	0.00823	* uncalibrated *
2.647	4767.64600	VVS	0.03	19	0.00589	* uncalibrated *
2.678	2429.50366	VVS	0.03	20	0.00300	* uncalibrated *
2.715	2431.07349	VVS	0.03	21	0.00300	* uncalibrated *
2.780	1577.39978	VBAS	0.03	22	0.00195	* uncalibrated *
2.938	1.46868	VP	0.01	23	1.814e-6	* uncalibrated *
2.980	2.32132	VP	0.02	24	2.867e-6	* uncalibrated *
3.445	8.20431	VV	0.01	25	1.013e-5	* uncalibrated *

```
==========================================================================
Injection Date  : 7/16/2005 3:41:44 AM          Seq. Line :  26
Sample Name     : 141695 x1 T                    Location : Vial 31
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                           Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\071505.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    : 7/14/2005 10:40:30 AM by DCS
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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	3.888	VP	0.0534	4.35665	5.381e-6	decane
3	5.416	VV	0.1360	12.22020	1.509e-5	dodecane
4	6.610		0.0000	0.00000	0.00000	2-FB(frac2)
5	6.949	VV	0.0987	18.34939	2.266e-5	tetradecane
6	7.616	VV	0.0497	4.22266	5.215e-6	2-BrN(frac)
7	8.184	VV	0.0649	5.41086	6.683e-6	hexadecane
8	9.211	VV	0.0634	10.83613	1.338e-5	octadecane
9	9.555	BB	0.0383	2716.04810	0.00335	OTP
10	9.581		0.0000	0.00000	0.00000	nonadecane
11	9.917	BV	0.0778	7.50645	9.271e-6	eicosane
12	11.057		0.0000	0.00000	0.00000	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.392	BB	0.0355	2494.36841	0.00308	COD
14	11.888		0.0000	0.00000	0.00000	tetracosane
15	12.658		0.0000	0.00000	0.00000	hexacosane
16	13.373		0.0000	0.00000	0.00000	octacosane
17	14.039		0.0000	0.00000	0.00000	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 5273.31885 6.513e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.063	BV	0.0550	4.30373	5.315e-6	?
2	0.556	PV	0.0260	201.99663	0.00025	?
3	0.589	VV	0.0145	108.60123	0.00013	?
4	0.639	VV S	0.0135	7519.80029	0.00929	?
5	0.679	VV S	0.0212	3.39901e5	0.41979	?
6	1.819	VV S	0.9873	7.96861e7	98.41480	?
7	1.884	VV S	0.0173	7.91029e5	0.97695	?
8	1.996	VV S	0.0906	2.69716e4	0.03331	?
9	2.054	VV S	0.0618	1.48606e4	0.01835	?
10	2.112	VV S	0.0346	8559.11621	0.01057	?
11	2.163	VV S	0.0812	1.68711e4	0.02084	?
12	2.282	VV S	0.0929	1.63879e4	0.02024	?
13	2.344	VV S	0.0470	9818.17969	0.01213	?
14	2.402	VV S	0.0274	7129.41309	0.00881	?
15	2.440	VV S	0.0309	5784.20166	0.00714	?
16	2.486	VV S	0.0341	6595.76221	0.00815	?
17	2.534	VV S	0.0546	8506.10156	0.01051	?
18	2.599	VV S	0.0384	6662.06445	0.00823	?
19	2.647	VV S	0.0370	4767.64600	0.00589	?
20	2.678	VV S	0.0333	2429.50366	0.00300	?
21	2.715	VV S	0.0390	2431.07349	0.00300	?
22	2.780	VBAS	0.0369	1577.39978	0.00195	?
23	2.938	VP	0.0152	1.46868	1.814e-6	?
24	2.980	VP	0.0232	2.32132	2.867e-6	?
25	3.445	VV	0.0171	8.20431	1.013e-5	?
26	3.478	VV	0.0270	13.43023	1.659e-5	?
27	3.561	VV	0.0400	8.37123	1.034e-5	?
28	3.638	VV	0.0389	2.89338	3.573e-6	?
29	3.723	VV	0.0235	2.08764	2.578e-6	?
30	4.127	VV	0.0290	2.56319	3.166e-6	?
31	4.162	VB	0.0473	4.14597	5.120e-6	?
32	4.981	VV	0.0316	7.66952	9.472e-6	?
33	6.159	VV	0.0643	7.06593	8.727e-6	?
34	6.267	VV	0.0666	25.74771	3.180e-5	?
35	7.721	VV	0.0880	24.66130	3.046e-5	?
36	7.798	VV	0.0623	14.99216	1.852e-5	?
37	7.984	VV	0.0862	14.45147	1.785e-5	?

Uncalib. totals : 8.09644e7 99.9935

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

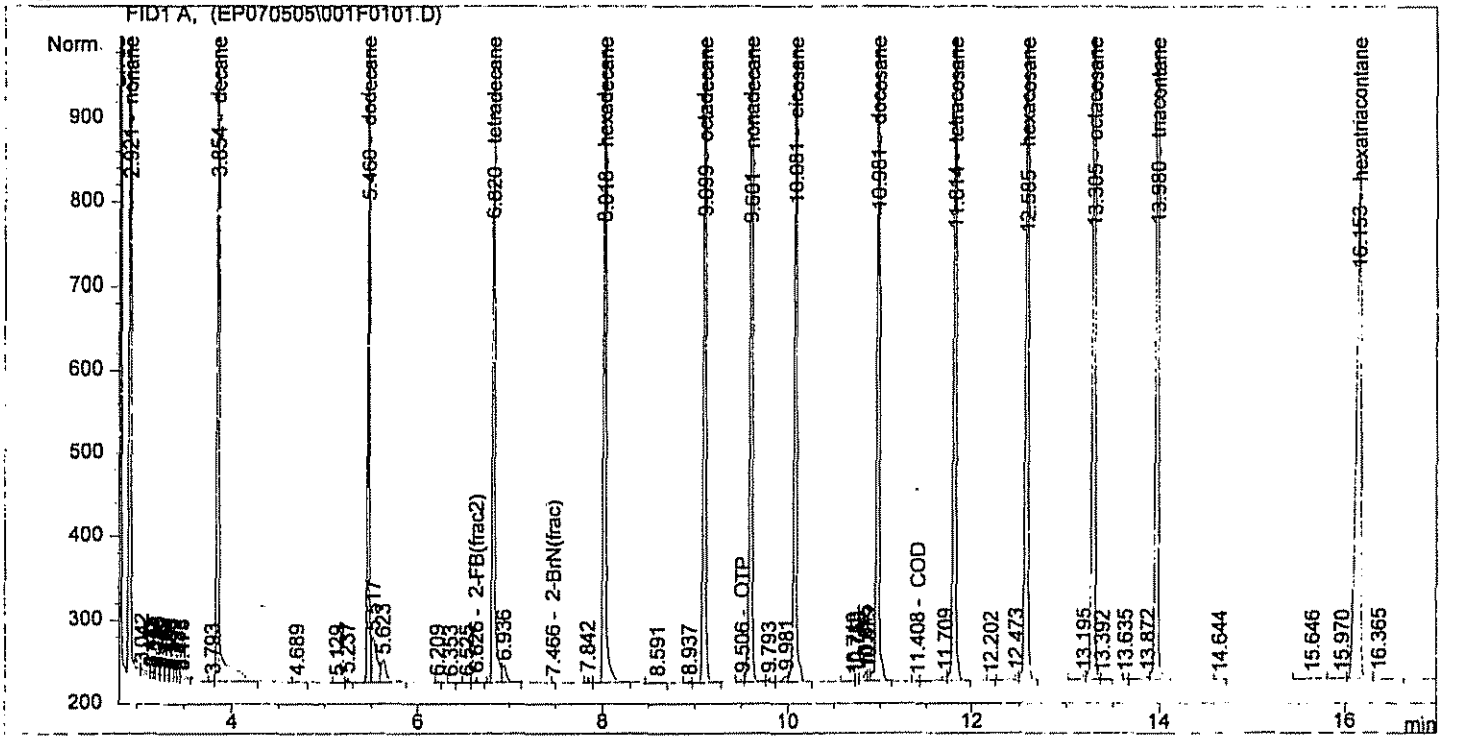
Calibration Check

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

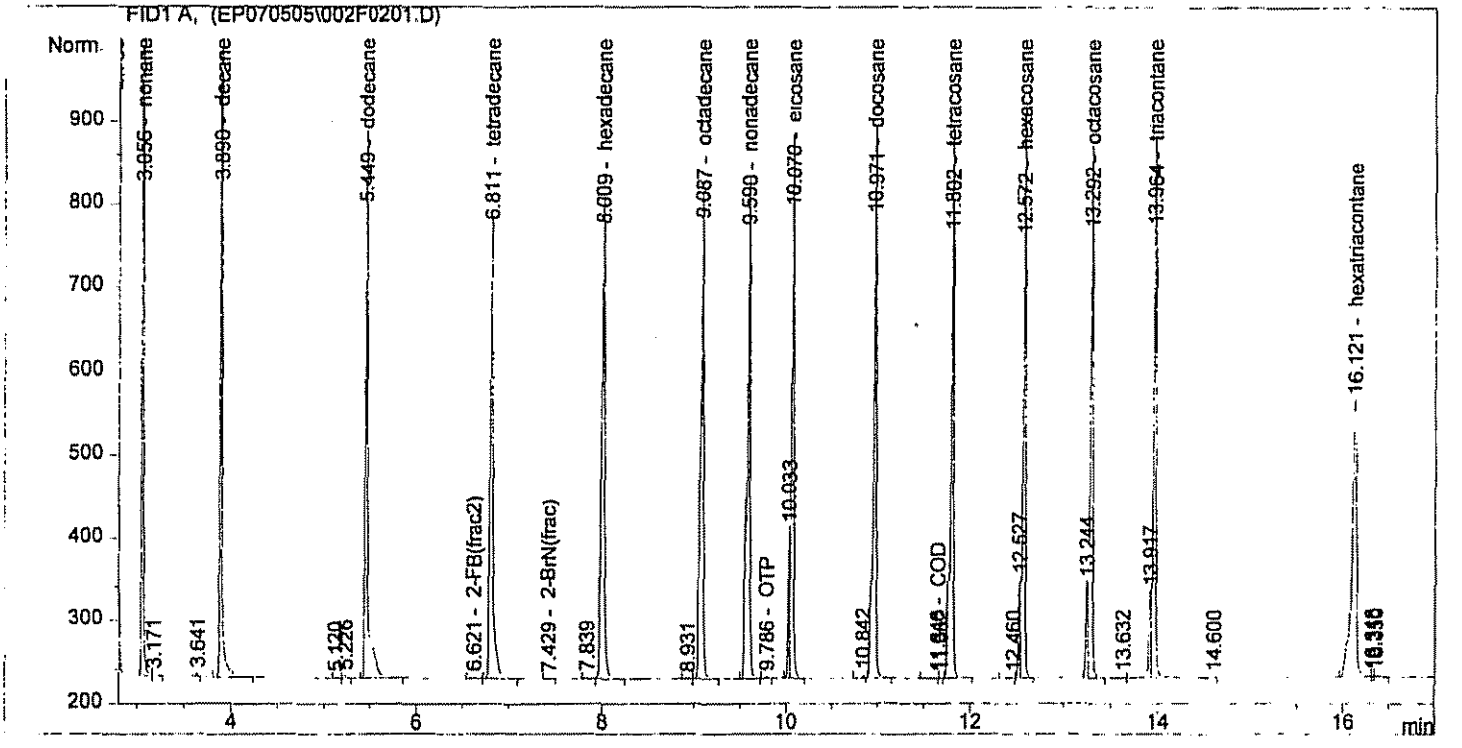
Results obtained with enhanced integrator!
1 Warnings or Errors :

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

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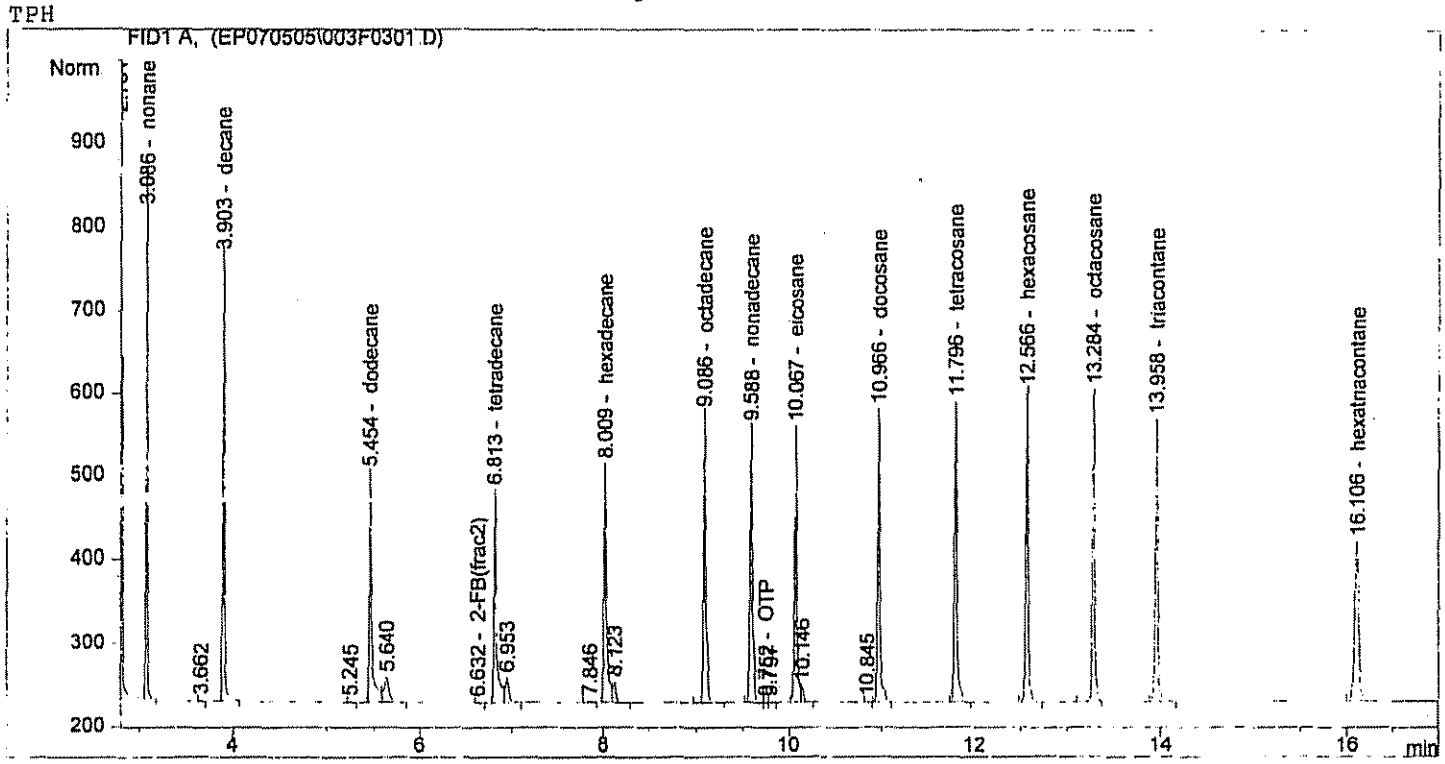
*** End of Report ***

)

```
==================================================================
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

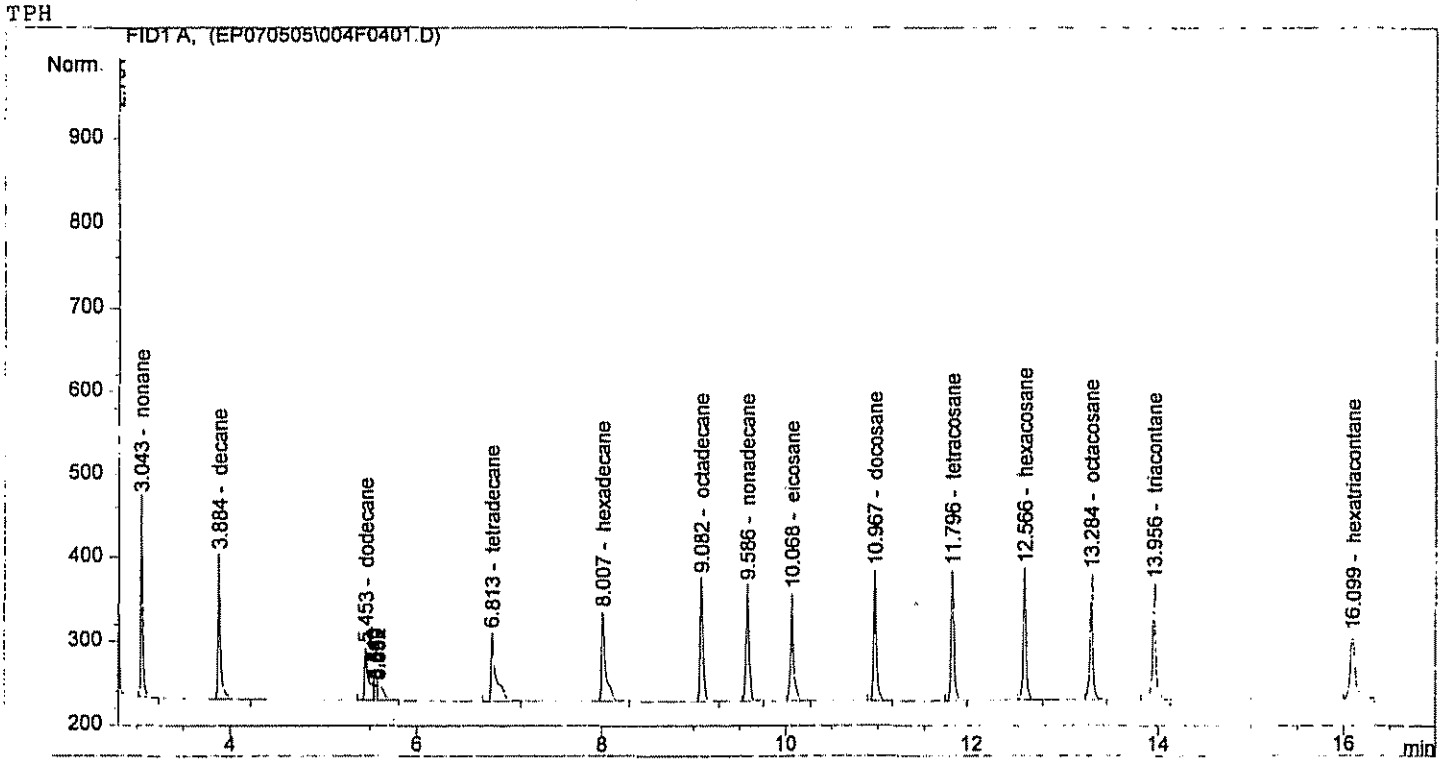
Results obtained with enhanced integrator!
3 Warnings or Errors :

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

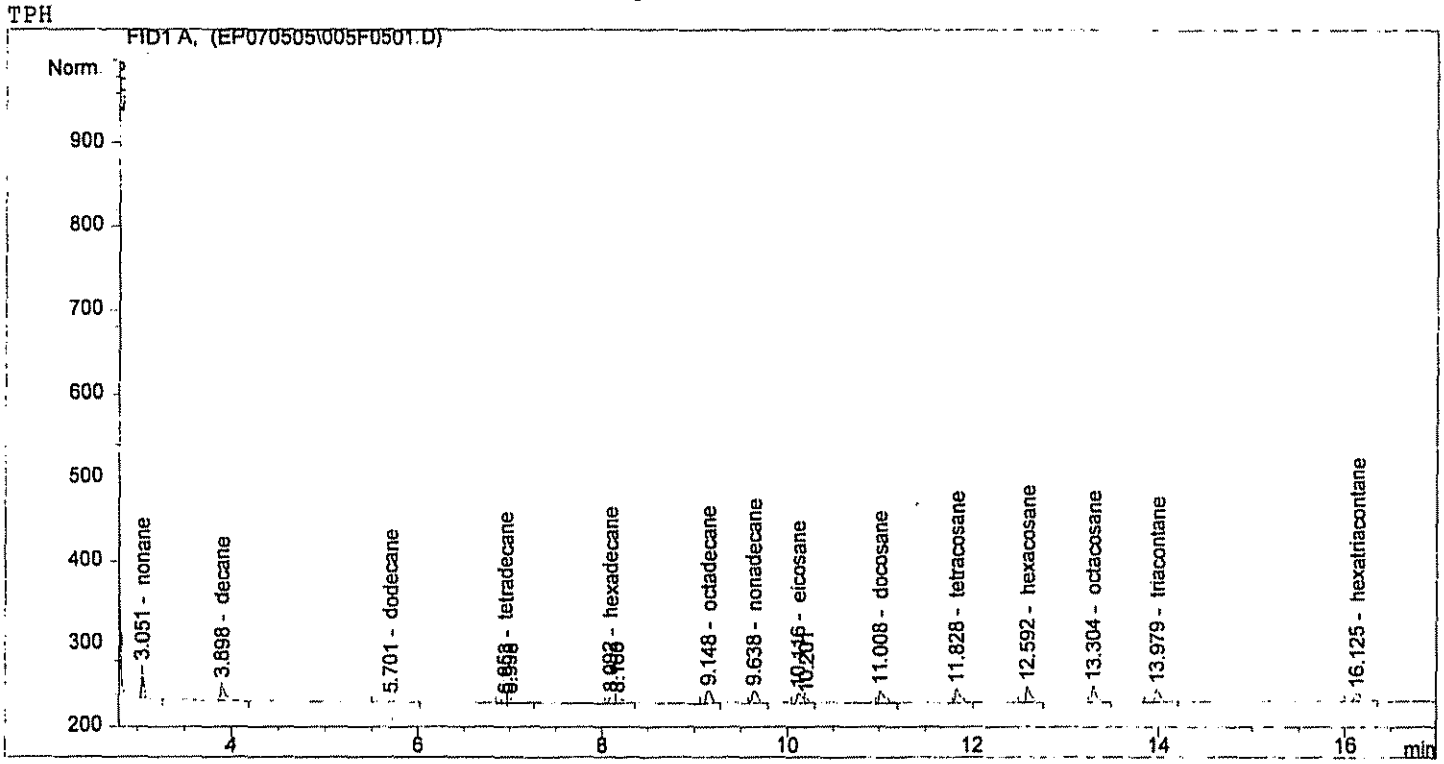
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** 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

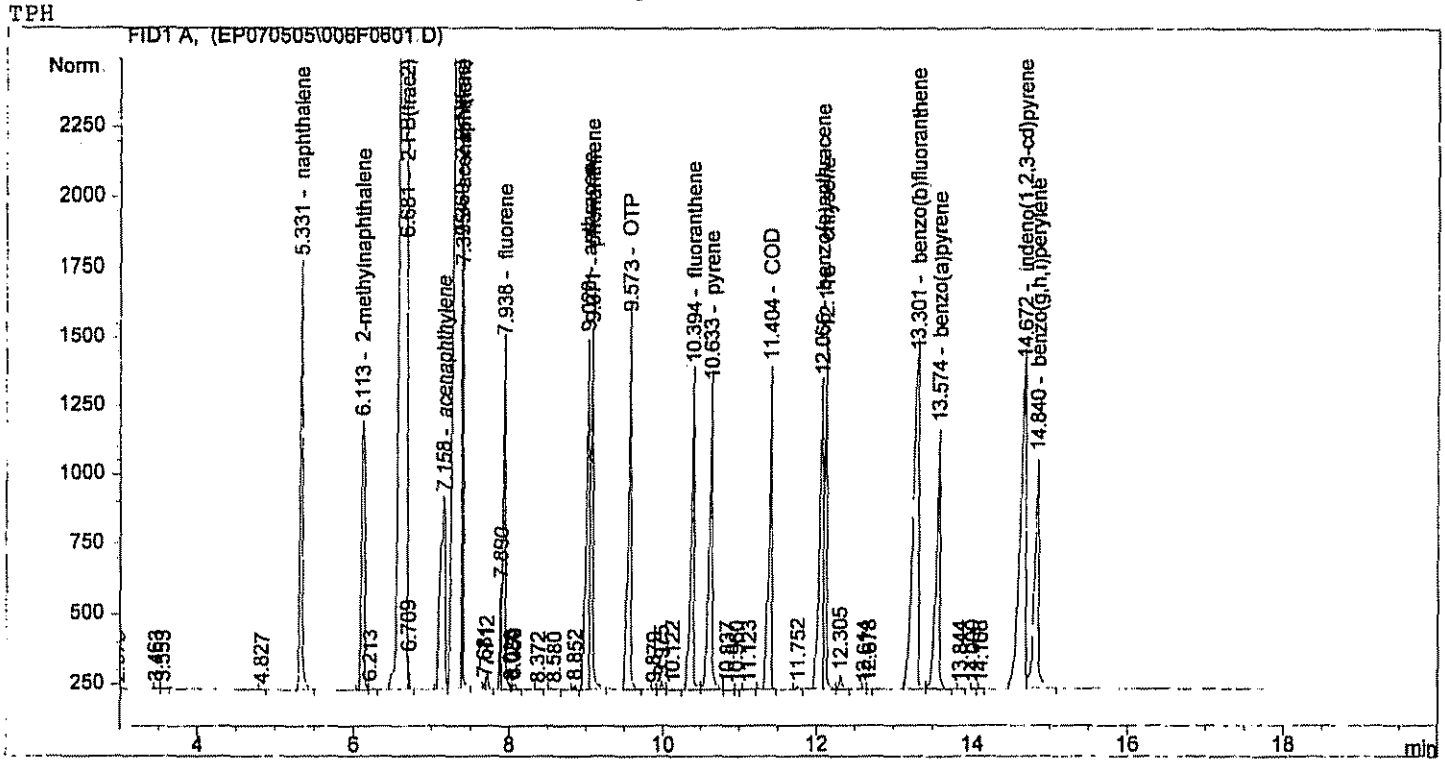
Results obtained with enhanced integrator!
2 Warnings or Errors :

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  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

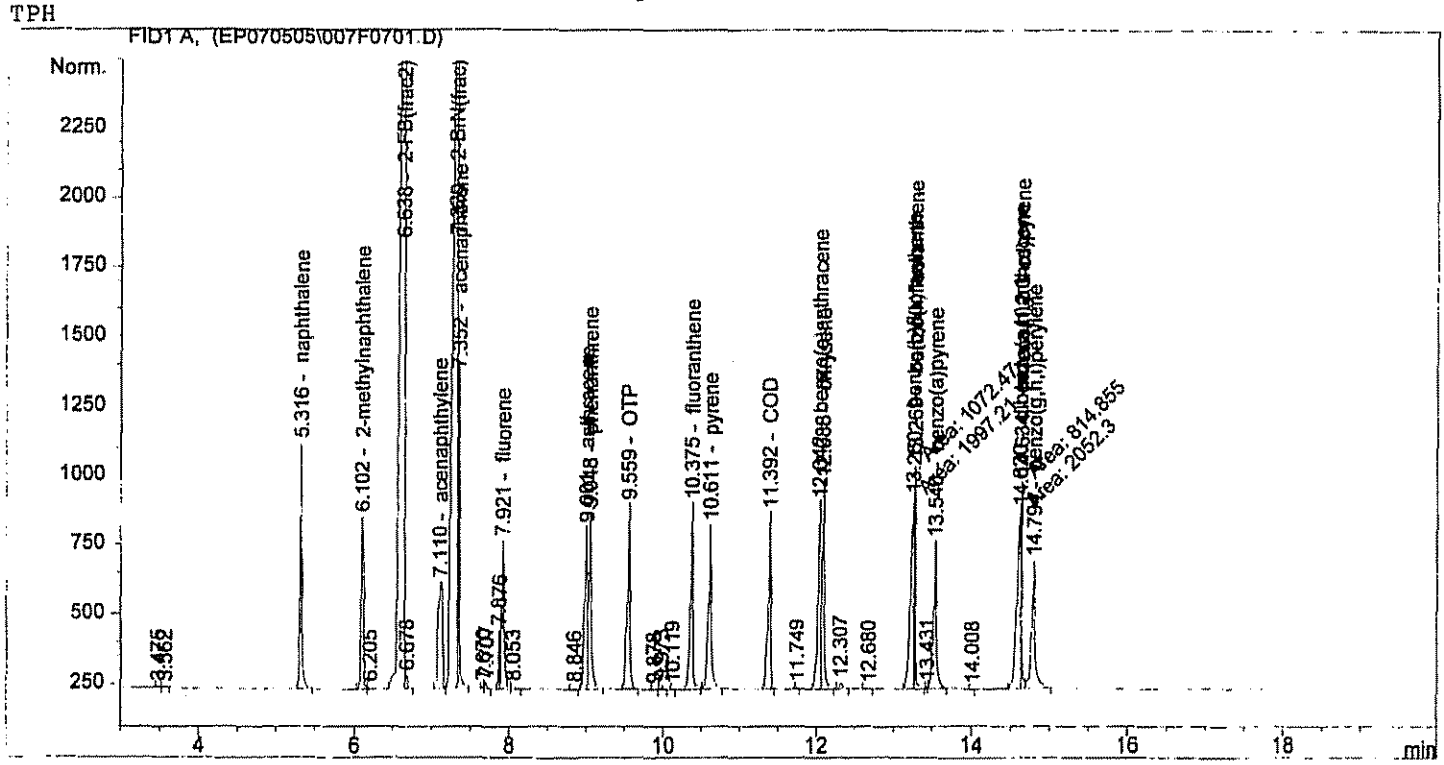
Results obtained with enhanced integrator!
3 Warnings or Errors :

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

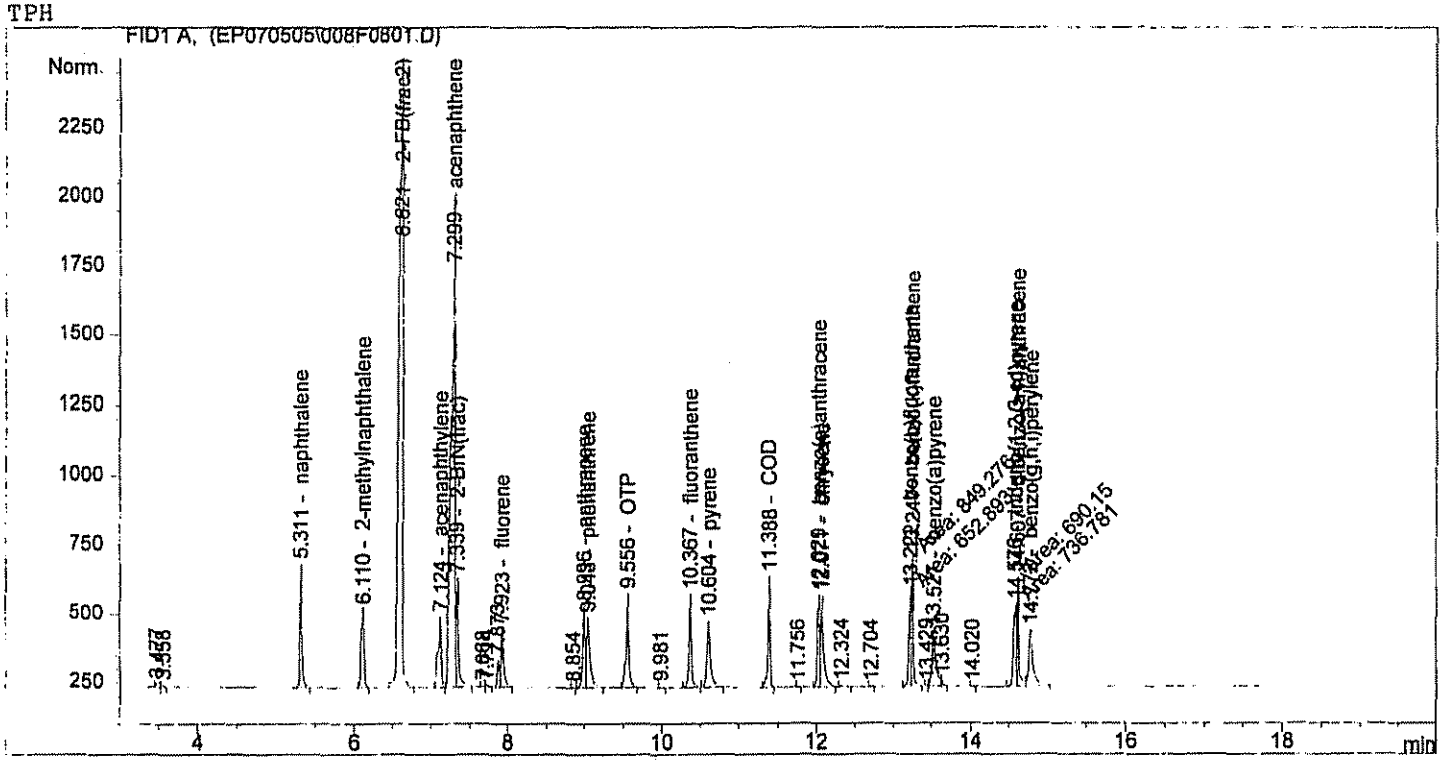
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

==========

```
==========================================================================
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

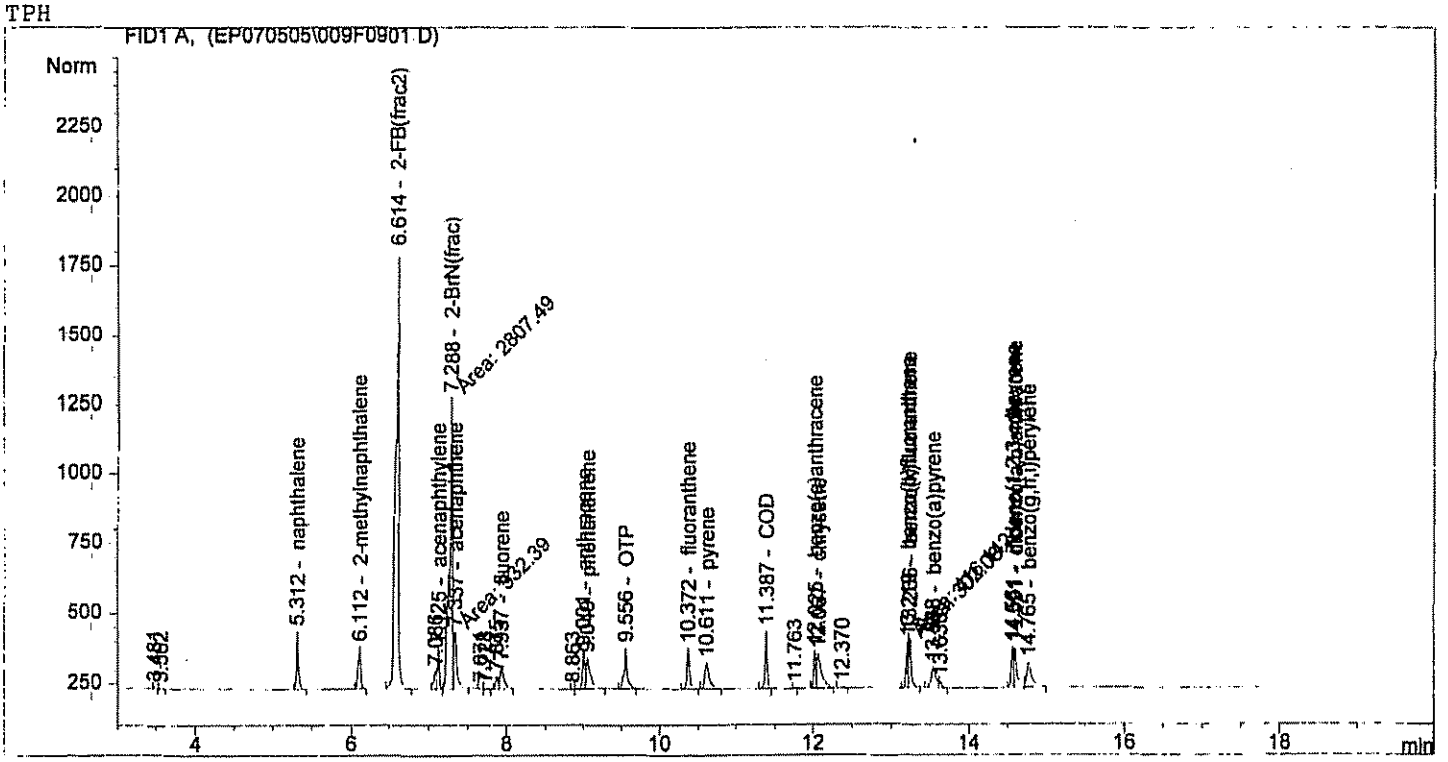
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

*** 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 :

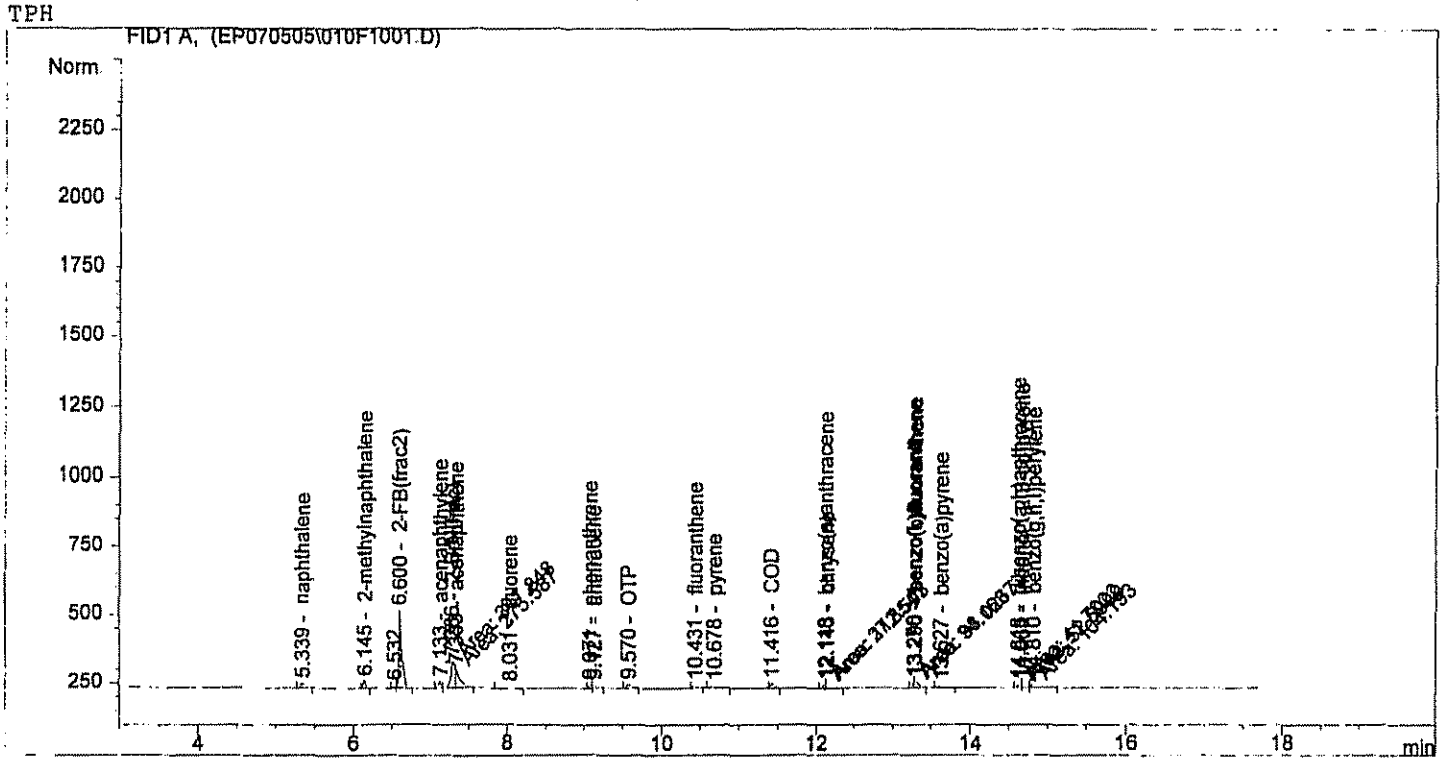
Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

==========

*** 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)		

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

*** 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: 07/19/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	24.9
C_{19}-C_{36} Aliphatics	160	7.5
C_{11}-C_{22} Aromatics	340	-4.4

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

```
==========================================================================
Injection Date  : 7/19/2005 5:34:40 PM          Seq. Line :   4
Sample Name     : K 20 ccal                      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    : 7/20/2005 10:27:52 AM by DCS
                  (modified after loading)
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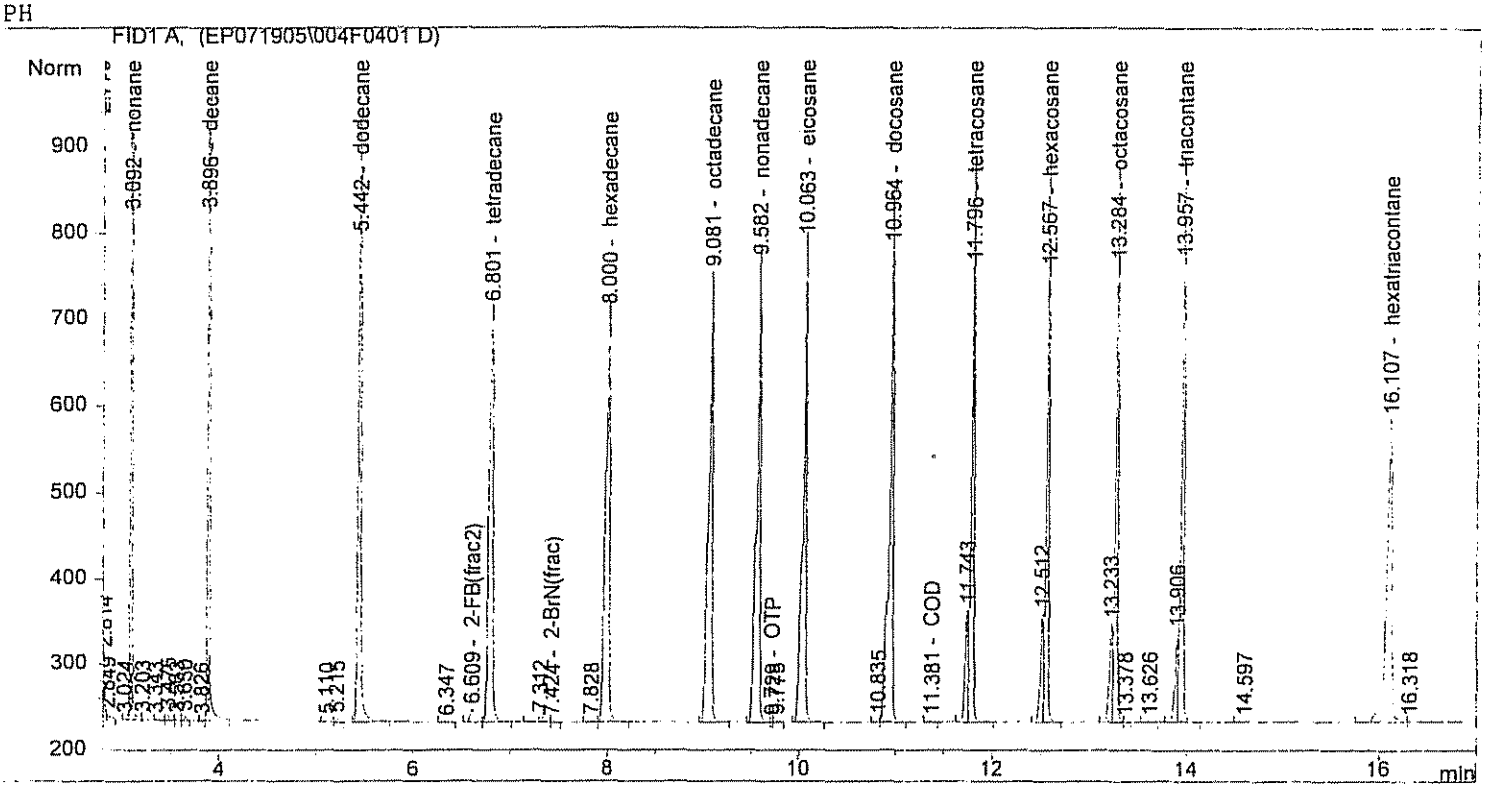
TPH




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      7/20/2005 10:27:46 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	3.092	VV	0.0161	1394.69165	0.00171	nonane
2	3.896	VB	0.0193	1385.35657	0.00169	decane
3	5.442	VB	0.0303	1406.71387	0.00172	dodecane
4	6.609	VV	0.0479	46.46425	5.682e-5	2-FB(frac2)
5	6.801	VB	0.0399	1400.50928	0.00171	tetradecane
6	7.424	VB	0.0366	3.17157	3.878e-6	2-BrN(frac)
7	8.000	VB	0.0394	1407.92212	0.00172	hexadecane
8	9.081	VV	0.0378	1425.30493	0.00174	octadecane
9	9.582	VV	0.0368	1429.14917	0.00175	nonadecane
10	9.729	VV	0.0206	1.88091	2.300e-6	OTP
11	10.063	VB	0.0352	1419.77478	0.00174	eicosane
12	10.964	VB	0.0330	1413.01208	0.00173	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.381	BB	0.0297	4.61531	5.644e-6	COD
14	11.796	VB	0.0259	1138.22534	0.00139	tetracosane
15	12.567	VB	0.0268	1153.91077	0.00141	hexacosane
16	13.284	VV	0.0276	1148.93469	0.00141	octacosane
17	13.957	VB	0.0277	1175.29028	0.00144	triacontane
18	16.107	BV	0.0525	1282.33142	0.00157	hexatriacontane

Totals : 1.86373e4 2.279e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.554	PV	0.0222	178.88728	0.00022	?
2	0.589	VV	0.0187	72.02682	8.808e-5	?
3	0.695	VV S	0.0315	7.18262e5	0.87835	?
4	1.788	VV S	0.6975	8.01072e7	97.96173	?
5	1.881	VV S	0.0170	7.88402e5	0.96412	?
6	1.970	VV S	0.0547	1.74299e4	0.02131	?
7	2.025	VV S	0.0325	1.02489e4	0.01253	?
8	2.062	VV S	0.0307	8969.55273	0.01097	?
9	2.115	VV S	0.0363	1.01861e4	0.01246	?
10	2.163	VV S	0.0346	9984.67578	0.01221	?
11	2.199	VV S	0.0325	8823.48340	0.01079	?
12	2.255	VV S	0.0361	8977.46191	0.01098	?
13	2.293	VV S	0.0279	6585.34521	0.00805	?
14	2.344	VV S	0.0513	1.09947e4	0.01345	?
15	2.404	VV S	0.0445	8441.81836	0.01032	?
16	2.442	VV S	0.0385	6607.91650	0.00808	?
17	2.526	VV S	0.0611	1.20815e4	0.01477	?
18	2.592	VV S	0.0424	8235.04688	0.01007	?
19	2.637	VV S	0.0277	4482.46045	0.00548	?
20	2.669	VV S	0.0236	2611.97021	0.00319	?
21	2.705	VV S	0.0258	2369.45776	0.00290	?
22	2.740	VV S	0.0248	1683.41382	0.00206	?
23	2.779	VBAS	0.0280	1332.37878	0.00163	?
24	2.814	BP	0.0115	16.19221	1.980e-5	?
25	2.849	VP	0.0122	1.76191	2.155e-6	?
26	3.024	VV	0.0204	1.44133	1.763e-6	?
27	3.203	VV	0.0355	6.73421	8.235e-6	?
28	3.343	VP	0.0173	1.21970	1.492e-6	?
29	3.475	BV	0.0178	7.21961	8.829e-6	?
30	3.563	VV	0.0364	4.89123	5.981e-6	?
31	3.650	VV	0.0193	5.56248	6.802e-6	?
32	3.826	BP	0.0198	1.67924	2.054e-6	?
33	5.110	BV	0.0449	5.53853	6.773e-6	?
34	5.215	VP	0.0277	6.42840	7.861e-6	?
35	6.347	BP	0.0431	3.38879	4.144e-6	?
36	7.312	PV	0.0686	29.62767	3.623e-5	?
37	7.828	VP	0.0424	6.96966	8.523e-6	?
38	9.775	VV	0.0406	6.00874	7.348e-6	?
39	10.835	VV	0.0335	6.95092	8.500e-6	?
40	11.743	VV	0.0307	280.49057	0.00034	?
41	12.512	VV	0.0293	265.73804	0.00032	?
42	13.233	VV	0.0326	263.93616	0.00032	?
43	13.378	VV	0.0363	3.61074	4.416e-6	?
44	13.626	BV	0.0475	5.05289	6.179e-6	?
45	13.906	VV	0.0307	231.90654	0.00028	?
46	14.597	BP	0.0374	2.92804	3.581e-6	?
47	16.318	VB	0.0886	10.39069	1.271e-5	?

Uncalib. totals : 8.17553e7 99.9772

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  : 7/19/2005 6:01:47 PM          Seq. Line :   5
Sample Name     : R 20 ccal                      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    : 7/14/2005 2:23:08 PM by DCS
TPH
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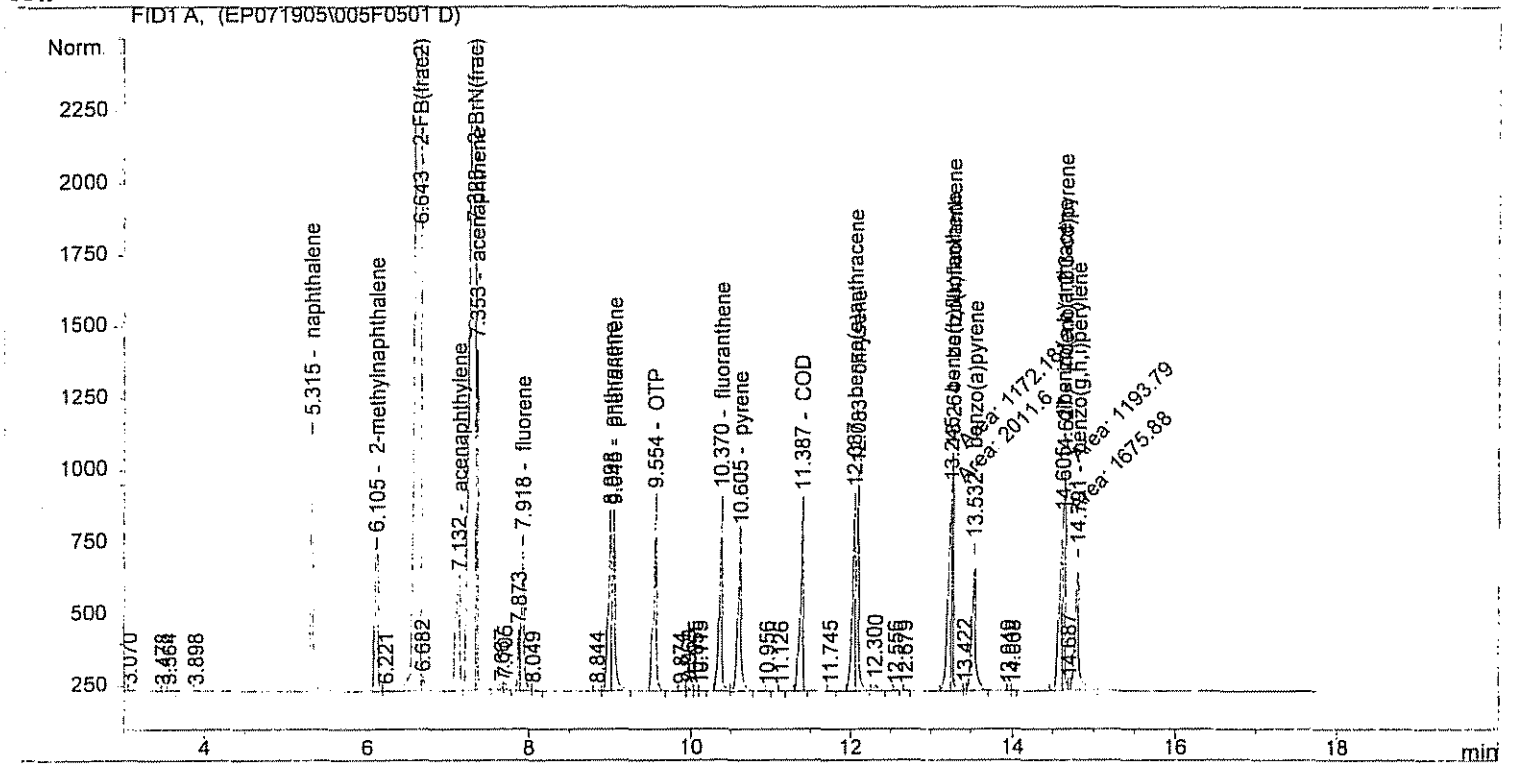


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==========================================================================
                          Area Percent Report
==========================================================================

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	5.315	BB	0.0268	1588.62512	0.00204	naphthalene
2	6.105	BV	0.0482	1525.93494	0.00196	2-methylnaphthalene
3	6.643	PV	0.0492	1.89573e4	0.02439	2-FB(frac2)
4	7.132	PV	0.0496	1534.58826	0.00197	acenaphthylene
5	7.323	VV	0.0506	1.33669e4	0.01720	2-BrN(frac)
6	7.353	VB	0.0168	1324.10339	0.00170	acenaphthene
7	7.918	VV	0.0326	1182.54199	0.00152	fluorene
8	8.998	VV	0.0347	1591.64075	0.00205	anthracene
9	9.045	VB	0.0329	1442.16797	0.00186	phenanthrene
10	9.554	PB	0.0346	1672.17041	0.00215	OTP
11	10.370	BV	0.0312	1533.08545	0.00197	fluoranthene
12	10.605	VB	0.0388	1616.70081	0.00208	pyrene
13	11.387	BB	0.0302	1457.40332	0.00188	COD

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
14	12.037	BV	0.0330	1657.43237	0.00213	benzo(a)anthracene
15	12.083	VB	0.0269	1444.67468	0.00186	chrysene
16	13.245	MF	0.0474	2011.59656	0.00259	benzo(b)fluoranthene
17	13.264	FM	0.0236	1172.18262	0.00151	benzo(k)fluoranthene
18	13.532	VB	0.0404	1508.04736	0.00194	benzo(a)pyrene
19	14.605	MF	0.0463	1675.88281	0.00216	dibenzo(a,h)anthracene
20	14.627	FM	0.0256	1193.79199	0.00154	indeno(1,2,3-cd)pyrene
21	14.791	VB	0.0409	1544.83081	0.00199	benzo(g,h,i)perylene

Totals : 6.10016e4 7.850e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.571	PV S	6.79e-3	9771.10156	0.01257	?
2	0.612	VV S	0.0165	1.13791e5	0.14643	?
3	0.712	VV S	0.0508	1.75373e6	2.25670	?
4	1.772	VP S	0.6582	7.56154e7	97.30189	?
5	1.887	VV S	0.0448	2.22186e4	0.02859	?
6	1.921	VV S	0.0283	8269.48535	0.01064	?
7	1.952	VV S	0.0227	6977.31348	0.00898	?
8	1.987	VV S	0.0290	9434.12207	0.01214	?
9	2.039	VV S	0.0381	9740.00879	0.01253	?
10	2.077	VV S	0.0419	1.06027e4	0.01364	?
11	2.126	VV S	0.0296	8165.40332	0.01051	?
12	2.169	VV S	0.0317	8514.03809	0.01096	?
13	2.212	VV S	0.0382	9423.58301	0.01213	?
14	2.269	VV S	0.0300	6343.60498	0.00816	?
15	2.296	VV S	0.0235	4242.09619	0.00546	?
16	2.337	VV S	0.0483	8448.43555	0.01087	?
17	2.397	VV S	0.0375	6970.23975	0.00897	?
18	2.444	VV S	0.0430	7614.58789	0.00980	?
19	2.501	VV S	0.0569	1.00221e4	0.01290	?
20	2.580	VV S	0.0447	8014.95264	0.01031	?
21	2.629	VV S	0.0387	5388.41650	0.00693	?
22	2.670	VV S	0.0232	2057.79980	0.00265	?
23	2.701	VV S	0.0440	2808.69727	0.00361	?
24	2.754	VB S	0.0410	2397.75537	0.00309	?
25	3.070	PB	0.0207	2.35168	3.026e-6	?
26	3.478	PB	0.0286	4.62743	5.955e-6	?
27	3.564	BB	0.0424	5.59216	7.196e-6	?
28	3.898	BB	0.0293	3.60847	4.643e-6	?
29	6.221	VB	0.0474	23.00505	2.960e-5	?
30	6.682	VB	0.0290	91.00877	0.00012	?
31	7.667	PV	0.0246	19.17024	2.467e-5	?
32	7.705	VB	0.0273	44.98828	5.789e-5	?
33	7.873	BV	0.0248	343.61380	0.00044	?
34	8.049	VB	0.0434	29.06908	3.741e-5	?
35	8.844	BP	0.0333	15.92584	2.049e-5	?
36	9.874	PB	0.0287	7.97183	1.026e-5	?
37	9.969	BV	0.0311	25.14812	3.236e-5	?
38	10.055	VV	0.0365	6.00004	7.721e-6	?
39	10.115	VB	0.0296	5.20737	6.701e-6	?
40	10.956	BP	0.0230	2.78638	3.586e-6	?
41	11.126	PP	0.0308	3.23862	4.167e-6	?
42	11.745	BB	0.0336	13.42497	1.728e-5	?
43	12.300	BB	0.0524	81.71459	0.00011	?
44	12.556	BP	0.0208	1.95755	2.519e-6	?
45	12.679	PB	0.0286	3.97943	5.121e-6	?
46	13.422	VV	0.0247	16.77925	2.159e-5	?
47	13.949	BP	0.0236	3.10215	3.992e-6	?
48	14.008	VP	0.0240	3.10104	3.990e-6	?
49	14.687	VV	0.0260	51.25044	6.595e-5	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
Uncalib. totals :				7.76511e7	99.9215	

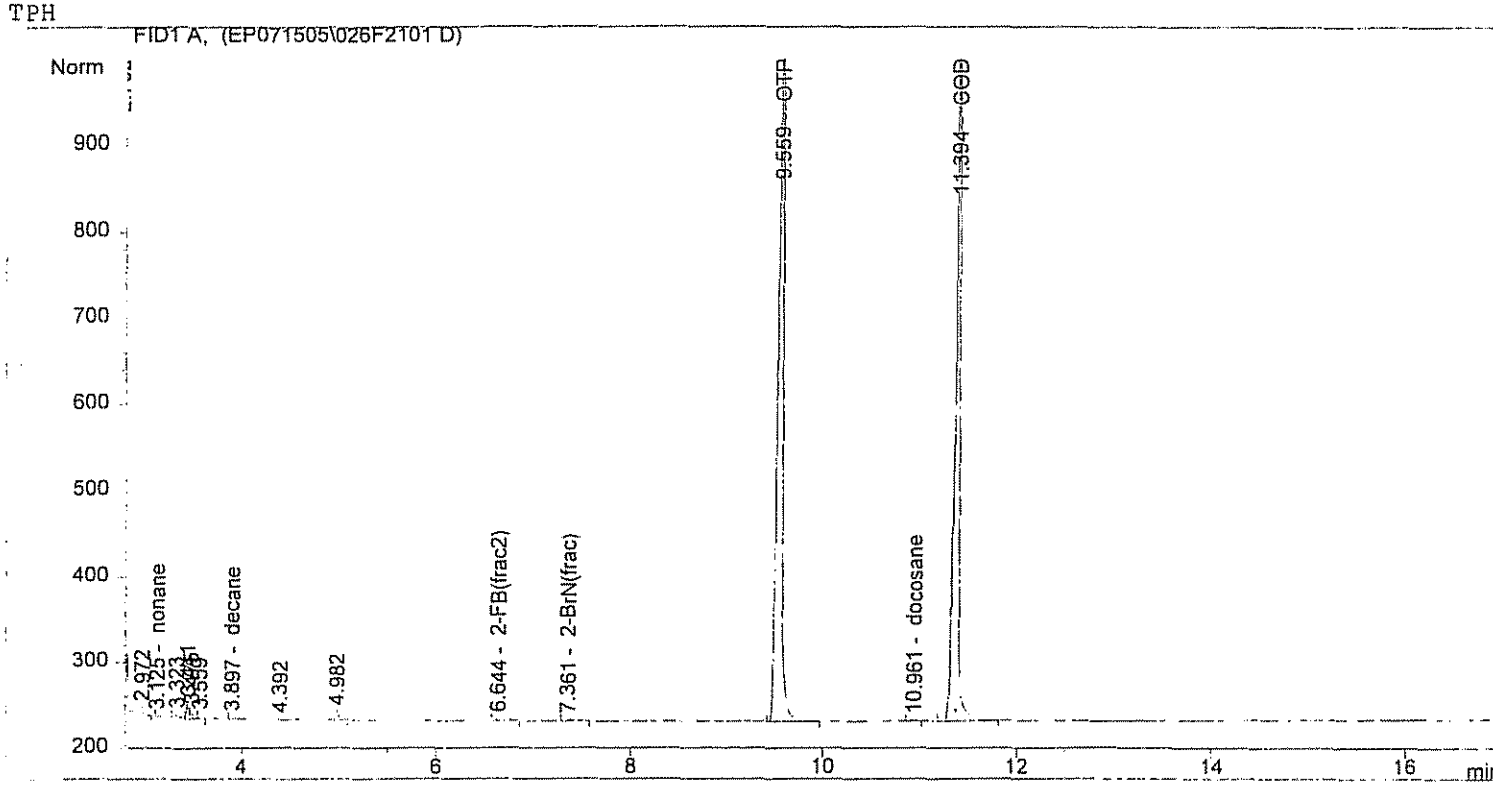
Results obtained with enhanced integrator!
2 Warnings or Errors :

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   : 7/16/2005 1:26:28 AM          Seq. Line :  21
Sample Name      : pb3239                         Location : Vial 26
Acq. Operator    : DCS                                Inj :  1
Acq. Instrument  : GC6                          Inj Volume : 10 µl
Sequence File    : C:\HPCHEM\1\SEQUENCE\071505.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     : 7/14/2005 10:40:30 AM by DCS
TPH
```



Area Percent Report

```
Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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	3.125	VV	0.0177	1.28092	1.576e-6	nonane
2	3.897	VV	0.0343	4.85112	5.969e-6	decane
3	5.541		0.0000	0.00000	0.00000	dodecane
4	6.644	BB	0.0841	17.96952	2.211e-5	2-FB(frac2)
5	6.898		0.0000	0.00000	0.00000	tetradecane
6	7.361	BB	0.0924	14.02260	1.725e-5	2-BrN(frac)
7	8.095		0.0000	0.00000	0.00000	hexadecane
8	9.172		0.0000	0.00000	0.00000	octadecane
9	9.559	PB	0.0376	3193.18994	0.00393	OTP
10	9.581		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	10.961	PP	0.0383	3.08994	3.802e-6	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.394	PB	0.0341	2875.88379	0.00354	COD
14	11.888		0.0000	0.00000	0.00000	tetracosane
15	12.658		0.0000	0.00000	0.00000	hexacosane
16	13.373		0.0000	0.00000	0.00000	octacosane
17	14.039		0.0000	0.00000	0.00000	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 6110.28783 7.519e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.552	PV	0.0273	251.16156	0.00031	?
2	0.590	VV	8.45e-3	467.82321	0.00058	?
3	1.839	VV S	1.0000	8.03198e7	98.83352	?
4	1.874	VV S	0.0173	7.91380e5	0.97379	?
5	1.911	VV S	0.0193	9147.45313	0.01126	?
6	1.964	VV S	0.0410	1.46307e4	0.01800	?
7	2.015	VV S	0.0357	1.17298e4	0.01443	?
8	2.067	VV S	0.0551	1.47575e4	0.01816	?
9	2.130	VV S	0.0397	9817.76953	0.01208	?
10	2.172	VV S	0.0315	9294.58008	0.01144	?
11	2.221	VV S	0.0437	1.03892e4	0.01278	?
12	2.274	VV S	0.0413	9252.77734	0.01139	?
13	2.326	VV S	0.0364	8306.57227	0.01022	?
14	2.373	VV S	0.0312	7290.53125	0.00897	?
15	2.408	VV S	0.0397	6303.20361	0.00776	?
16	2.463	VV S	0.0347	7018.77539	0.00864	?
17	2.499	VV S	0.0295	4602.51074	0.00566	?
18	2.544	VV S	0.0407	7071.49414	0.00870	?
19	2.585	VV S	0.0380	7572.50342	0.00932	?
20	2.638	VV S	0.0313	4325.48535	0.00532	?
21	2.674	VV S	0.0384	3783.23291	0.00466	?
22	2.723	VV S	0.0242	1941.89270	0.00239	?
23	2.762	VBAS	0.0469	2435.71826	0.00300	?
24	2.972	VV	0.0183	11.86626	1.460e-5	?
25	3.323	VP	0.0225	5.38576	6.627e-6	?
26	3.441	VV	0.0174	21.59073	2.657e-5	?
27	3.475	VV	0.0280	17.96176	2.210e-5	?
28	3.559	VV	0.0414	7.94483	9.776e-6	?
29	4.392	VP	0.0229	1.58713	1.953e-6	?
30	4.982	VV	0.0315	22.17945	2.729e-5	?

Uncalib. totals : 8.12616e7 99.9925

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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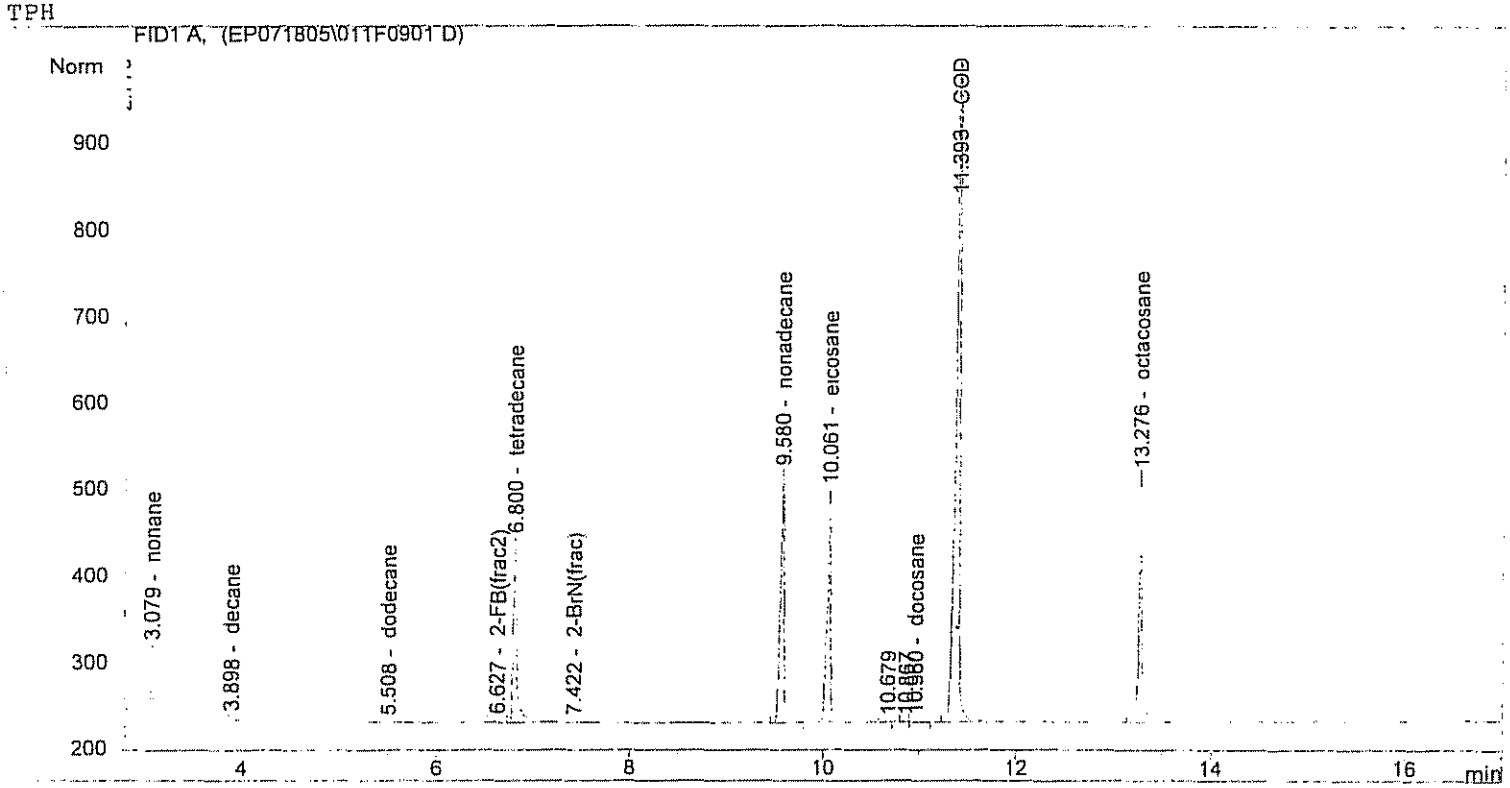
*** End of Report ***

```
==========================================================================
Injection Date  : 7/18/2005 6:49:29 PM          Seq. Line :   9
Sample Name     : lcs3239 x1 K                   Location : Vial 11
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\071805.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    : 7/14/2005 10:40:30 AM by DCS
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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   3.079 VB     0.0175   97.18095  0.00012 nonane
   2   3.898 VB     0.0306    9.09840 1.116e-5 decane
   3   5.508 PP     0.1423   13.73493 1.684e-5 dodecane
   4   6.627 VV     0.0511   14.78770 1.813e-5 2-FB(frac2)
   5   6.800 VB     0.0420  581.09906  0.00071 tetradecane
   6   7.422 PP     0.0877   14.21009 1.742e-5 2-BrN(frac)
   7   8.095        0.0000    0.00000  0.00000 hexadecane
   8   9.172        0.0000    0.00000  0.00000 octadecane
   9   9.570        0.0000    0.00000  0.00000 OTP
  10   9.580 VB     0.0374  755.15521  0.00093 nonadecane
  11  10.061 VB     0.0345  652.38141  0.00080 eicosane
  12  10.960 VB     0.0636    7.38843 9.059e-6 docosane
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.393	PP	0.0322	2472.22656	0.00303	COD
14	11.888		0.0000	0.00000	0.00000	tetracosane
15	12.658		0.0000	0.00000	0.00000	hexacosane
16	13.276	PB	0.0327	631.40448	0.00077	octacosane
17	14.039		0.0000	0.00000	0.00000	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 5248.66722 6.436e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.546	VV	0.0247	71.73355	8.796e-5	?
2	0.588	VV	0.0263	51.06782	6.262e-5	?
3	1.803	VV S	0.9970	8.05138e7	98.72376	?
4	1.872	VV S	0.0190	8.75857e5	1.07395	?
5	1.913	PV T	0.1345	2.22392e4	0.02727	?
6	1.966	VV S	0.0231	8353.50195	0.01024	?
7	2.009	VV S	0.0288	9933.52441	0.01218	?
8	2.058	VV S	0.0467	1.24508e4	0.01527	?
9	2.101	VV S	0.0308	1.03093e4	0.01264	?
10	2.154	VV S	0.0409	1.02531e4	0.01257	?
11	2.198	VV S	0.0307	8101.91895	0.00993	?
12	2.232	VV S	0.0265	5949.42285	0.00730	?
13	2.268	VV S	0.0342	8317.28809	0.01020	?
14	2.316	VV S	0.0339	8858.45996	0.01086	?
15	2.368	VV S	0.0409	8727.22461	0.01070	?
16	2.409	VV S	0.0330	6352.25635	0.00779	?
17	2.479	VV S	0.0573	1.19261e4	0.01462	?
18	2.527	VV S	0.0272	4991.91895	0.00612	?
19	2.564	VV S	0.0355	7008.59473	0.00859	?
20	2.634	VV S	0.0549	7472.72949	0.00916	?
21	2.681	VV S	0.0397	3767.55908	0.00462	?
22	2.725	VV S	0.0303	2753.04761	0.00338	?
23	2.770	VBAS	0.0280	1827.89551	0.00224	?
24	10.679	VV	0.0442	3.96767	4.865e-6	?
25	10.867	VV	0.0464	4.40627	5.403e-6	?

Uncalib. totals : 8.15494e7 99.9936

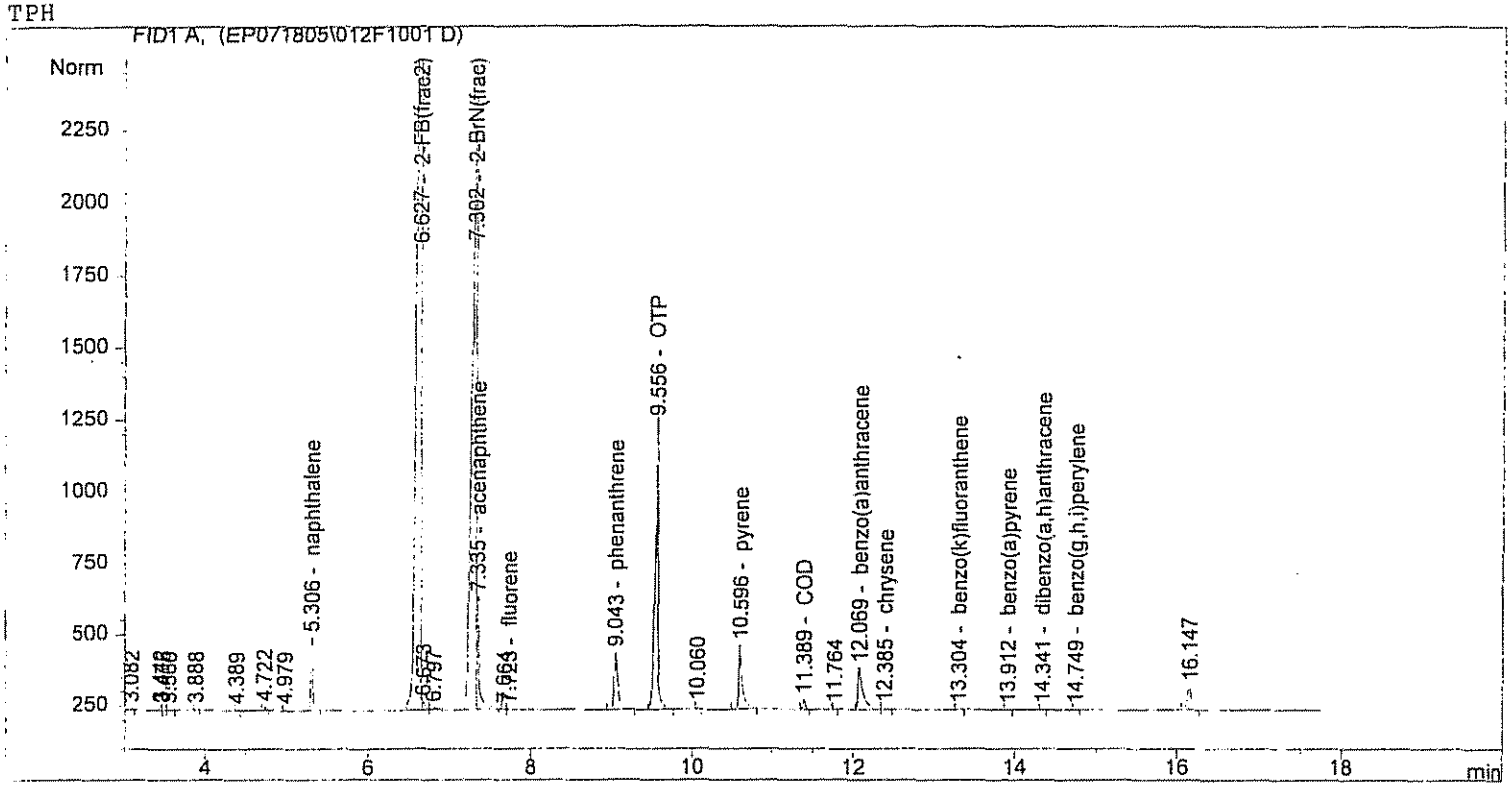
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

```
==========================================================================
Injection Date  : 7/18/2005 7:17:11 PM          Seq. Line :  10
Sample Name     : lcs3239 x1 R                   Location : Vial 12
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\071805.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\EPH-R_F.M
Last changed    : 7/14/2005 2:23:08 PM by DCS
TPH
```




```
==========================================================================
                          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	5.306	PB	0.0255	426.07736	0.00052	naphthalene
2	6.141		0.0000	0.00000	0.00000	2-methylnaphthalene
3	6.627	BV	0.0400	1.23320e4	0.01497	2-FB(frac2)
4	7.158		0.0000	0.00000	0.00000	acenaphthylene
5	7.302	PV	0.0496	8432.88965	0.01024	2-BrN(frac)
6	7.335	VB	0.0279	770.01190	0.00093	acenaphthene
7	7.723	VB	0.0463	10.91101	1.324e-5	fluorene
8	9.043	BB	0.0451	656.48724	0.00080	phenanthrene
9	9.111		0.0000	0.00000	0.00000	anthracene
10	9.556	PB	0.0359	2668.07959	0.00324	OTP
11	10.460		0.0000	0.00000	0.00000	fluoranthene
12	10.596	BB	0.0413	677.43213	0.00082	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.389	BB	0.0344	76.06721	9.234e-5	COD
14	12.069	BB	0.0591	640.35913	0.00078	benzo(a)anthracene
15	12.385	BB	0.0641	22.99571	2.791e-5	chrysene
16	13.250		0.0000	0.00000	0.00000	benzo(b)fluoranthene
17	13.304	BB	0.0394	11.71508	1.422e-5	benzo(k)fluoranthene
18	13.912	BB	0.0340	4.26124	5.173e-6	benzo(a)pyrene
19	14.341	BB	0.0287	3.18231	3.863e-6	dibenzo(a,h)anthracene
20	14.640		0.0000	0.00000	0.00000	indeno(1,2,3-cd)pyrene
21	14.749	BB	0.0302	3.01878	3.664e-6	benzo(g,h,i)perylene

Totals : 2.67355e4 3.245e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.533	PV	0.0213	110.38943	0.00013	?
2	0.590	VV	0.0281	71.00453	8.619e-5	?
3	1.837	VV S	1.0053	8.12784e7	98.66192	?
4	1.881	VV S	0.0188	8.85560e5	1.07496	?
5	1.917	VV S	0.0528	3.23922e4	0.03932	?
6	1.972	VV S	0.0390	1.59989e4	0.01942	?
7	2.035	VV S	0.0501	1.59037e4	0.01931	?
8	2.094	VV S	0.0412	1.28152e4	0.01556	?
9	2.132	VV S	0.0266	8326.46875	0.01011	?
10	2.185	VV S	0.0500	1.36019e4	0.01651	?
11	2.229	VV S	0.0293	8583.25879	0.01042	?
12	2.272	VV S	0.0399	1.00939e4	0.01225	?
13	2.323	VV S	0.0380	1.05198e4	0.01277	?
14	2.381	VV S	0.0408	9664.92090	0.01173	?
15	2.435	VV S	0.0471	1.00776e4	0.01223	?
16	2.487	VV S	0.0423	9232.85938	0.01121	?
17	2.541	VV S	0.0343	8219.04883	0.00998	?
18	2.588	VV S	0.0657	1.16727e4	0.01417	?
19	2.654	VV S	0.0285	4602.99805	0.00559	?
20	2.692	VB S	0.0858	7640.79199	0.00927	?
21	3.082	BP	0.0215	5.93950	7.210e-6	?
22	3.442	PV	0.0160	8.97756	1.090e-5	?
23	3.475	VB	0.0208	7.97689	9.683e-6	?
24	3.560	BB	0.0332	6.89680	8.372e-6	?
25	3.888	PB	0.0309	7.76170	9.422e-6	?
26	4.389	BB	0.0198	4.25399	5.164e-6	?
27	4.722	BB	0.0283	22.28251	2.705e-5	?
28	4.979	PB	0.0213	7.69591	9.342e-6	?
29	6.673	VB	0.0300	70.49055	8.557e-5	?
30	6.797	BB	0.0496	39.05698	4.741e-5	?
31	7.664	PV	0.0278	4.97021	6.033e-6	?
32	10.060	BP	0.0240	15.92469	1.933e-5	?
33	11.764	BB	0.0248	5.85924	7.112e-6	?
34	16.147	BB	0.0556	291.69315	0.00035	?

Uncalib. totals : 8.23539e7 99.9675

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

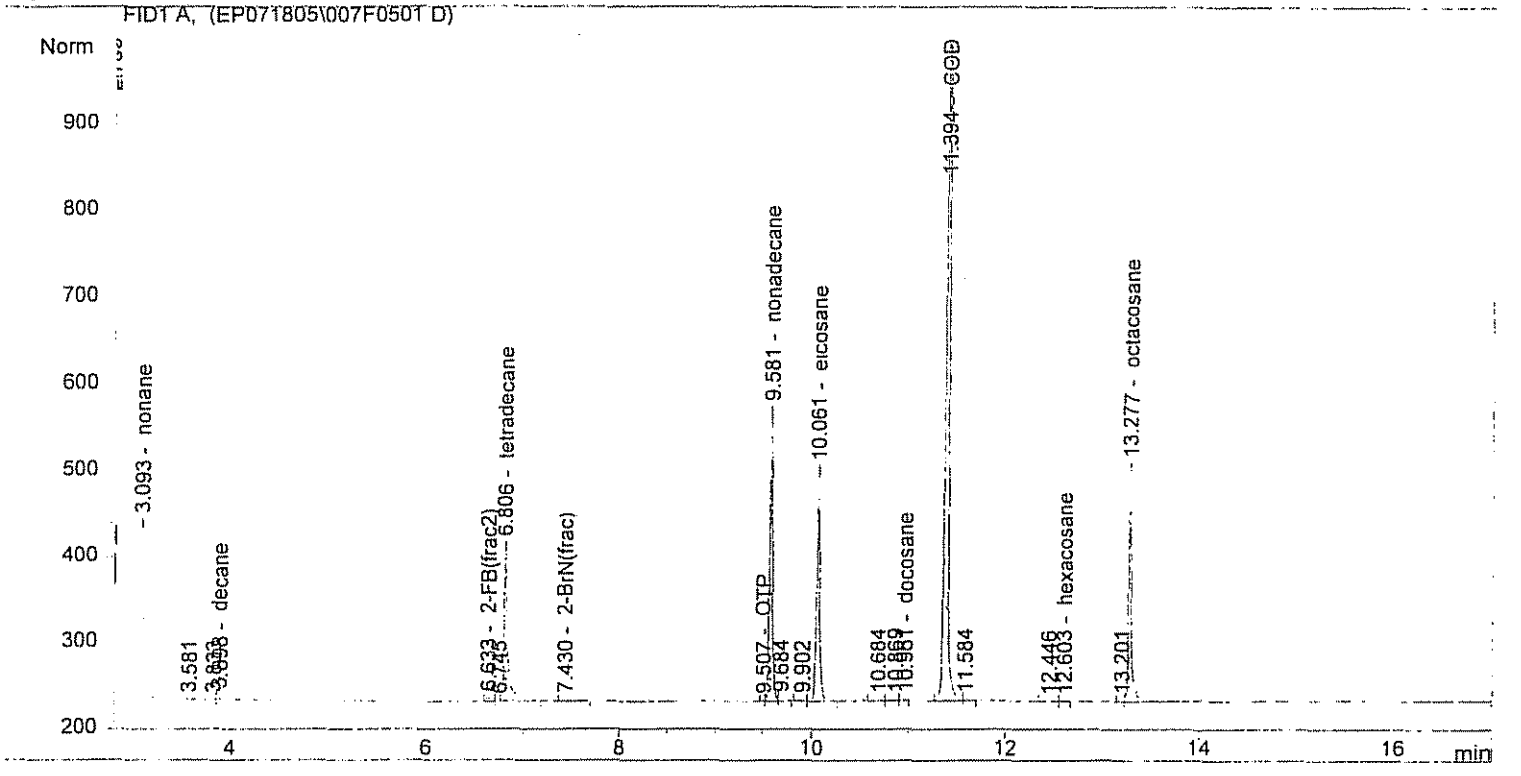
ata File Name : C:\HPCHEM\1\DATA\EP071805\007F0501.D
perator : DCS
nstrument : GC6
ample Name : G161-2069-2N x1 ms K
un Time Bar Code: 141691
cquired on : 18 Jul 05 5:02:34 PM
eport Created on: 19 Jul 2005 3:20:03 PM
ast Recalib on : 8 Jun 2005 10:16:23 AM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 7
Injection Number : 1
Sequence Line : 5
Instrument Method: PROEPH.M
Analysis Method : EPHTK_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP071805\007F0501.D

et Time	Area	Type	Width	Ref#	ng	Name
3.093	211.94676	VB	0.01	1	0.00025	nonane
3.898	12.87366	VB	0.03	2	1.528e-5	decane
5.541	0.00000	XX	0.00	3	0.00000	dodecane
6.633	15.29262	PV	0.04	4	1.815e-5	2-FB(frac2)
6.806	475.06516	VB	0.03	5	0.00056	tetradecane
7.430	19.32166	BB	0.09	6	2.294e-5	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
9.507	2.80986	VV	0.02	9	3.336e-6	OTP
9.581	676.37634	VV	0.02	10	0.00080	nonadecane
10.061	595.53381	VB	0.03	11	0.00071	eicosane
10.961	7.75091	VV	0.04	12	9.201e-6	docosane
11.394	2205.69580	BV	0.03	13	0.00262	COD
11.888	0.00000	XX	0.00	14	0.00000	tetracosane
12.603	3.94052	VV	0.04	15	4.678e-6	hexacosane
13.277	554.18744	VB	0.02	16	0.00066	octacosane
14.039	0.00000	XX	0.00	17	0.00000	triacontane
16.215	0.00000	XX	0.00	18	0.00000	hexatriacontane
0.526	2.81876	PP	0.02	1	3.346e-6	* uncalibrated *
1.801	8.29798e7	VVS	0.73	2	98.50451	* uncalibrated *
1.899	8.85288e5	VVS	0.01	3	1.05092	* uncalibrated *
1.982	7.57298e4	VVS	0.11	4	0.08990	* uncalibrated *
2.056	4.10627e4	VVS	0.05	5	0.04875	* uncalibrated *
2.113	2.81713e4	VVS	0.04	6	0.03344	* uncalibrated *
2.155	1.36621e4	VVS	0.02	7	0.01622	* uncalibrated *
2.200	2.91081e4	VVS	0.04	8	0.03455	* uncalibrated *
2.242	1.18817e4	VVS	0.02	9	0.01410	* uncalibrated *
2.289	4.87312e4	VVS	0.08	10	0.05785	* uncalibrated *
2.388	1.47570e4	VVS	0.02	11	0.01752	* uncalibrated *
2.430	2.16173e4	VVS	0.04	12	0.02566	* uncalibrated *
2.494	1.82050e4	VVS	0.03	13	0.02161	* uncalibrated *
2.536	1.96061e4	VVS	0.04	14	0.02327	* uncalibrated *
2.588	1.46541e4	VVS	0.03	15	0.01740	* uncalibrated *
2.632	1.26552e4	VVS	0.02	16	0.01502	* uncalibrated *
2.667	6947.23047	VVS	0.02	17	0.00825	* uncalibrated *
2.697	5240.24854	VVS	0.02	18	0.00622	* uncalibrated *
2.747	6189.16016	VVS	0.04	19	0.00735	* uncalibrated *
2.783	1432.87158	VBAS	0.01	20	0.00170	* uncalibrated *
3.581	2.62520	VV	0.03	21	3.116e-6	* uncalibrated *
3.833	2.08487	BV	0.02	22	2.475e-6	* uncalibrated *
6.745	5.57421	VV	0.03	23	6.617e-6	* uncalibrated *
9.684	15.67100	VB	0.05	24	1.860e-5	* uncalibrated *
9.902	9.25453	BV	0.05	25	1.099e-5	* uncalibrated *

```
==========================================================================
Injection Date  : 7/18/2005 5:02:34 PM          Seq. Line :   5
Sample Name     : 141691 x1 ms K                 Location : Vial 7
Acq. Operator   : DCS                                 Inj :   1
Acq. Instrument : GC6                           Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\071805.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    : 7/14/2005 10:40:30 AM by DCS
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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   3.093 VB     0.0159  211.94676  0.00025 nonane
   2   3.898 VB     0.0343   12.87366 1.528e-5 decane
   3   5.541        0.0000    0.00000  0.00000 dodecane
   4   6.633 PV     0.0430   15.29262 1.815e-5 2-FB(frac2)
   5   6.806 VB     0.0369  475.06516  0.00056 tetradecane
   6   7.430 BB     0.0922   19.32166 2.294e-5 2-BrN(frac)
   7   8.095        0.0000    0.00000  0.00000 hexadecane
   8   9.172        0.0000    0.00000  0.00000 octadecane
   9   9.507 VV     0.0217    2.80986 3.336e-6 OTP
  10   9.581 VV     0.0291  676.37634  0.00080 nonadecane
  11  10.061 VB     0.0314  595.53381  0.00071 eicosane
  12  10.961 VV     0.0407    7.75091 9.201e-6 docosane
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.394	BV	0.0300	2205.69580	0.00262	COD
14	11.888		0.0000	0.00000	0.00000	tetracosane
15	12.603	VV	0.0446	3.94052	4.678e-6	hexacosane
16	13.277	VB	0.0293	554.18744	0.00066	octacosane
17	14.039		0.0000	0.00000	0.00000	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 4780.79454 5.675e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.526	PP	0.0207	2.81876	3.346e-6	?
2	1.801	VV S	0.7344	8.29798e7	98.50451	?
3	1.899	VV S	0.0190	8.85288e5	1.05092	?
4	1.982	VV S	0.1150	7.57298e4	0.08990	?
5	2.056	VV S	0.0567	4.10627e4	0.04875	?
6	2.113	VV S	0.0411	2.81713e4	0.03344	?
7	2.155	VV S	0.0214	1.36621e4	0.01622	?
8	2.200	VV S	0.0457	2.91081e4	0.03455	?
9	2.242	VV S	0.0213	1.18817e4	0.01410	?
10	2.289	VV S	0.0816	4.87312e4	0.05785	?
11	2.388	VV S	0.0295	1.47570e4	0.01752	?
12	2.430	VV S	0.0446	2.16173e4	0.02566	?
13	2.494	VV S	0.0371	1.82050e4	0.02161	?
14	2.536	VV S	0.0431	1.96061e4	0.02327	?
15	2.588	VV S	0.0307	1.46541e4	0.01740	?
16	2.632	VV S	0.0294	1.26552e4	0.01502	?
17	2.667	VV S	0.0273	6947.23047	0.00825	?
18	2.697	VV S	0.0284	5240.24854	0.00622	?
19	2.747	VV S	0.0448	6189.16016	0.00735	?
20	2.783	VBAS	0.0141	1432.87158	0.00170	?
21	3.581	VV	0.0304	2.62520	3.116e-6	?
22	3.833	BV	0.0297	2.08487	2.475e-6	?
23	6.745	VV	0.0360	5.57421	6.617e-6	?
24	9.684	VB	0.0580	15.67100	1.860e-5	?
25	9.902	BV	0.0535	9.25453	1.099e-5	?
26	10.684	VV	0.0557	10.06760	1.195e-5	?
27	10.869	VV	0.0498	10.04365	1.192e-5	?
28	11.584	VV	0.0489	8.39552	9.966e-6	?
29	12.446	VV	0.0612	5.11070	6.067e-6	?
30	13.201	BV	0.0364	6.40783	7.607e-6	?

Uncalib. totals : 8.42348e7 99.9943

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

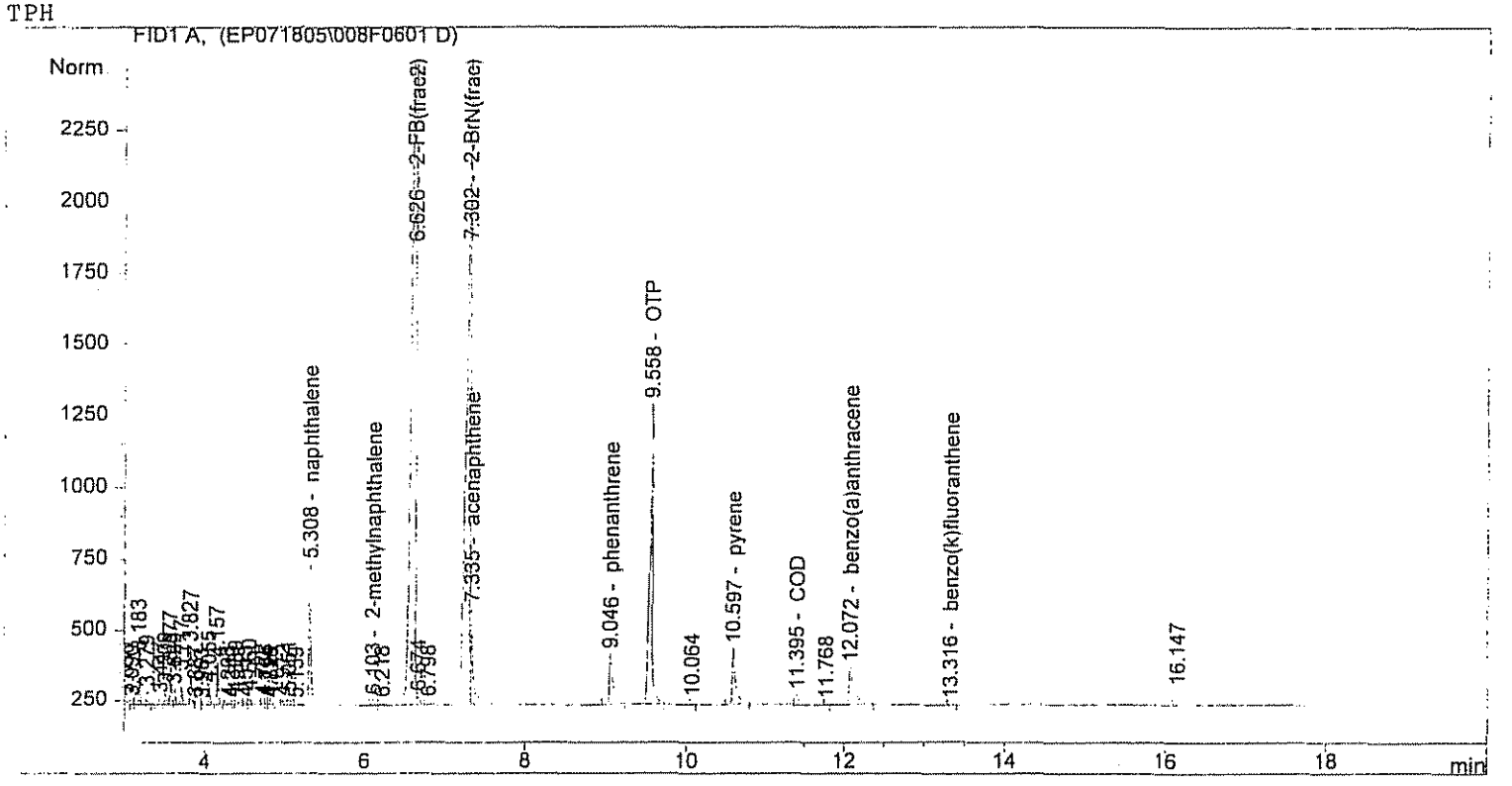
:a File Name : C:\HPCHEM\1\DATA\EP071805\008F0601.D
:rator : DCS
;trument : GC6
ıple Name : G161-2069-2N x1 ms R
ı Time Bar Code: 141691
ıuired on : 18 Jul 05 5:28:57 PM
ıort Created on: 19 Jul 2005 3:20:11 PM
;t Recalib on : 14 Jul 2005 2:22:40 PM
tiplier : 1.0000

Page Number :
Vial Number : Vial 8
Injection Number : 1
Sequence Line : 6
Instrument Method: PROEPH.M
Analysis Method : EPH-R_F.M
Sample Amount : 10 µl
ISTD Amount :

ı. 1 in C:\HPCHEM\1\DATA\EP071805\008F0601.D

: Time	Area	Type	Width	Ref#	ng	Name
5.308	808.04059	BB	0.02	1	0.00096	naphthalene
6.103	45.49041	BB	0.03	2	5.415e-5	2-methylnaphthalene
6.626	1.10067e4	BV	0.04	3	0.01310	2-FB(frac2)
7.158	0.00000	XX	0.00	4	0.00000	acenaphthylene
7.302	7418.73584	PV	0.04	5	0.00883	2-BrN(frac)
7.335	733.48560	VB	0.02	6	0.00087	acenaphthene
7.920	0.00000	XX	0.00	7	0.00000	fluorene
9.046	555.36835	PB	0.04	8	0.00066	phenanthrene
9.111	0.00000	XX	0.00	9	0.00000	anthracene
9.558	2505.88306	BB	0.03	10	0.00298	OTP
10.460	0.00000	XX	0.00	11	0.00000	fluoranthene
10.597	612.23511	PB	0.04	12	0.00073	pyrene
11.395	71.79137	BB	0.03	13	8.546e-5	COD
12.072	574.08893	PB	0.05	14	0.00068	benzo(a)anthracene
12.178	0.00000	XX	0.00	15	0.00000	chrysene
13.250	0.00000	XX	0.00	16	0.00000	benzo(b)fluoranthene
13.316	10.25810	BP	0.04	17	1.221e-5	benzo(k)fluoranthene
13.614	0.00000	XX	0.00	18	0.00000	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
0.536	44.54781	PV	0.02	1	5.303e-5	* uncalibrated *
0.591	41.90876	VV	0.02	2	4.989e-5	* uncalibrated *
1.849	8.28605e7	VVS	1.01	3	98.63166	* uncalibrated *
1.897	9.14707e5	VVS	0.01	4	1.08881	* uncalibrated *
2.013	2.23462e4	VVS	0.04	5	0.02660	* uncalibrated *
2.055	1.73875e4	VVS	0.03	6	0.02070	* uncalibrated *
2.112	1.61662e4	VVS	0.03	7	0.01924	* uncalibrated *
2.145	1.27358e4	VVS	0.03	8	0.01516	* uncalibrated *
2.198	1.51011e4	VVS	0.04	9	0.01798	* uncalibrated *
2.244	1.36827e4	VVS	0.03	10	0.01629	* uncalibrated *
2.287	1.32180e4	VVS	0.03	11	0.01573	* uncalibrated *
2.340	1.67400e4	VVS	0.05	12	0.01993	* uncalibrated *
2.395	2.06755e4	VVS	0.06	13	0.02461	* uncalibrated *
2.486	1.33364e4	VVS	0.03	14	0.01587	* uncalibrated *
2.530	1.14223e4	VVS	0.03	15	0.01360	* uncalibrated *
2.602	1.99492e4	VVS	0.07	16	0.02375	* uncalibrated *
2.672	6473.28564	VVS	0.03	17	0.00771	* uncalibrated *
2.715	5404.47314	VVS	0.04	18	0.00643	* uncalibrated *
2.772	3642.62720	VBS	0.03	19	0.00434	* uncalibrated *
2.857	322.88629	BVX	0.01	20	0.00038	* uncalibrated *
3.030	17.93991	VVX	0.01	21	2.135e-5	* uncalibrated *
3.090	11.13692	VVX	0.01	22	1.326e-5	* uncalibrated *

```
==========================================================================
Injection Date  : 7/18/2005 5:28:57 PM          Seq. Line :   6
Sample Name     : 141691 x1 ms R                 Location : Vial 8
Acq. Operator   : DCS                                 Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\071805.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\EPH-R_F.M
Last changed    : 7/14/2005 2:23:08 PM by DCS
TPH
```




```
==========================================================================
                          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  Type   Width     Area      Area    Name
  #   [min]          [min]    [pA*s]       %
----|-------|------|-------|----------|--------|--------------------
   1   5.308 BB     0.0241  808.04059  0.00096 naphthalene
   2   6.103 BB     0.0332   45.49041 5.415e-5 2-methylnaphthalene
   3   6.626 BV     0.0480 1.10067e4   0.01310 2-FB(frac2)
   4   7.158        0.0000    0.00000  0.00000 acenaphthylene
   5   7.302 PV     0.0440 7418.73584  0.00883 2-BrN(frac)
   6   7.335 VB     0.0290  733.48560  0.00087 acenaphthene
   7   7.920        0.0000    0.00000  0.00000 fluorene
   8   9.046 PB     0.0421  555.36835  0.00066 phenanthrene
   9   9.111        0.0000    0.00000  0.00000 anthracene
  10   9.558 BB     0.0328 2505.88306  0.00298 OTP
  11  10.460        0.0000    0.00000  0.00000 fluoranthene
  12  10.597 PB     0.0431  612.23511  0.00073 pyrene
```

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.395	BB	0.0325	71.79137	8.546e-5	COD
14	12.072	PB	0.0572	574.08893	0.00068	benzo(a)anthracene
15	12.178		0.0000	0.00000	0.00000	chrysene
16	13.250		0.0000	0.00000	0.00000	benzo(b)fluoranthene
17	13.316	BP	0.0454	10.25810	1.221e-5	benzo(k)fluoranthene
18	13.614		0.0000	0.00000	0.00000	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 : 2.43421e4 2.898e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.536	PV	0.0267	44.54781	5.303e-5	?
2	0.591	VV	0.0281	41.90876	4.989e-5	?
3	1.849	VV S	1.0195	8.28605e7	98.63166	?
4	1.897	VV S	0.0189	9.14707e5	1.08881	?
5	2.013	VV S	0.0413	2.23462e4	0.02660	?
6	2.055	VV S	0.0385	1.73875e4	0.02070	?
7	2.112	VV S	0.0360	1.61662e4	0.01924	?
8	2.145	VV S	0.0329	1.27358e4	0.01516	?
9	2.198	VV S	0.0411	1.51011e4	0.01798	?
10	2.244	VV S	0.0312	1.36827e4	0.01629	?
11	2.287	VV S	0.0340	1.32180e4	0.01573	?
12	2.340	VV S	0.0505	1.67400e4	0.01993	?
13	2.395	VV S	0.0628	2.06755e4	0.02461	?
14	2.486	VV S	0.0396	1.33364e4	0.01587	?
15	2.530	VV S	0.0390	1.14223e4	0.01360	?
16	2.602	VV S	0.0799	1.99492e4	0.02375	?
17	2.672	VV S	0.0353	6473.28564	0.00771	?
18	2.715	VV S	0.0470	5404.47314	0.00643	?
19	2.772	VB S	0.0329	3642.62720	0.00434	?
20	2.857	BV X	0.0145	322.88629	0.00038	?
21	3.030	VV X	0.0163	17.93991	2.135e-5	?
22	3.090	VV X	0.0171	11.13692	1.326e-5	?
23	3.183	VV X	0.0152	164.47874	0.00020	?
24	3.279	VB X	0.0147	43.94865	5.231e-5	?
25	3.447	PB	0.0158	22.32911	2.658e-5	?
26	3.509	BV	0.0167	60.69201	7.224e-5	?
27	3.577	VV	0.0234	185.17093	0.00022	?
28	3.629	VB	0.0176	61.68989	7.343e-5	?
29	3.717	BB	0.0168	110.11453	0.00013	?
30	3.827	BV	0.0167	222.43379	0.00026	?
31	3.887	VV	0.0342	20.55379	2.447e-5	?
32	3.963	VP	0.0220	4.32216	5.145e-6	?
33	4.055	BB	0.0194	77.07385	9.174e-5	?
34	4.157	BB	0.0176	174.58815	0.00021	?
35	4.293	PV	0.0415	21.74138	2.588e-5	?
36	4.349	VV	0.0202	9.88814	1.177e-5	?
37	4.389	VP	0.0245	43.54883	5.184e-5	?
38	4.513	VV	0.0411	23.61412	2.811e-5	?
39	4.560	VP	0.0217	49.70267	5.916e-5	?
40	4.722	BV	0.0251	25.02178	2.978e-5	?
41	4.765	VV	0.0204	15.40963	1.834e-5	?
42	4.794	VV	0.0202	10.72999	1.277e-5	?
43	4.826	VB	0.0222	9.97568	1.187e-5	?
44	4.972	PV	0.0291	26.77265	3.187e-5	?
45	5.051	VV	0.0259	48.10234	5.726e-5	?
46	5.139	VB	0.0320	9.55599	1.137e-5	?
47	6.218	BP	0.0378	24.31955	2.895e-5	?
48	6.674	VB	0.0298	64.72683	7.705e-5	?

ta File C:\HPCHEM\1\DATA\EP071805\008F0601.D Sample Name: 141691 x1 ms R

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
49	6.798	BB	0.0483	34.09212	4.058e-5	?
50	10.064	BP	0.0229	15.02327	1.788e-5	?
51	11.768	BB	0.0246	5.04382	6.004e-6	?
52	16.147	BB	0.0541	189.28172	0.00023	?

Uncalib. totals : 8.39857e7 99.9710

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 ***

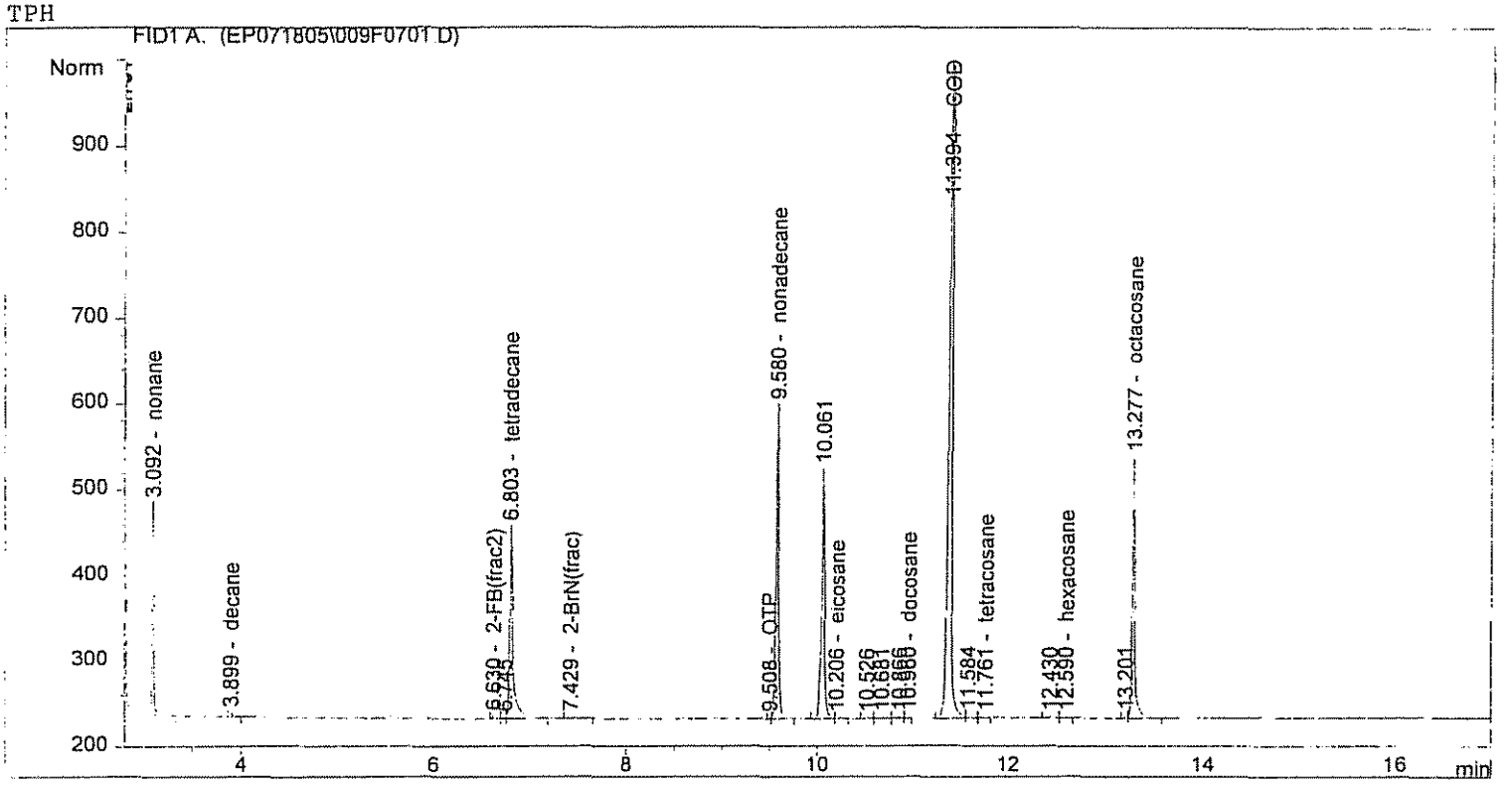
External Standard Report

ata File Name	: C:\HPCHEM\1\DATA\EP071805\009F0701.D		
perator	: DCS	Page Number	:
nstrument	: GC6	Vial Number	: Vial 9
ample Name	: G161-2069-20 x1 msd K	Injection Number	: 1
un Time Bar Code	: 141692	Sequence Line	: 7
cquired on	: 18 Jul 05 5:55:22 PM	Instrument Method	: PROEPH.M
eport Created on	: 19 Jul 2005 3:20:19 PM	Analysis Method	: EPHTK_F.M
ast Recalib on	: 8 Jun 2005 10:16:23 AM	Sample Amount	: 10 µl
ultiplier	: 1.0000	ISTD Amount	:

ig. 1 in C:\HPCHEM\1\DATA\EP071805\009F0701.D

et Time	Area	Type	Width	Ref#	ng	Name
3.092	254.89246	VP	0.01	1	0.00030	nonane
3.899	8.81551	VB	0.02	2	1.047e-5	decane
5.541	0.00000	XX	0.00	3	0.00000	dodecane
6.630	11.14035	PV	0.04	4	1.323e-5	2-FB(frac2)
6.803	540.77374	VB	0.03	5	0.00064	tetradecane
7.429	14.85150	PB	0.09	6	1.763e-5	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
9.508	2.75255	PV	0.02	9	3.268e-6	OTP
9.580	732.50751	VB	0.02	10	0.00087	nonadecane
10.206	3.38040	VB	0.03	11	4.013e-6	eicosane
10.960	6.34188	VV	0.04	12	7.529e-6	docosane
11.394	2336.02808	BV	0.02	13	0.00277	COD
11.761	6.60914	VV	0.06	14	7.846e-6	tetracosane
12.590	5.30618	VV	0.04	15	6.299e-6	hexacosane
13.277	604.44025	VB	0.03	16	0.00072	octacosane
14.039	0.00000	XX	0.00	17	0.00000	triacontane
16.215	0.00000	XX	0.00	18	0.00000	hexatriacontane
0.532	6.24704	PV	0.01	1	7.416e-6	* uncalibrated *
0.591	2.10728	VV	0.01	2	2.502e-6	* uncalibrated *
1.873	8.30332e7	VVS	1.01	3	98.57370	* uncalibrated *
1.900	9.77890e5	VVS	0.02	4	1.16091	* uncalibrated *
2.034	2.13012e4	VVS	0.03	5	0.02529	* uncalibrated *
2.079	2.32053e4	VVS	0.04	6	0.02755	* uncalibrated *
2.140	1.85628e4	VVS	0.04	7	0.02204	* uncalibrated *
2.204	3.14204e4	VVS	0.07	8	0.03730	* uncalibrated *
2.283	1.47776e4	VVS	0.03	9	0.01754	* uncalibrated *
2.335	3.25089e4	VVS	0.09	10	0.03859	* uncalibrated *
2.433	2.48791e4	VVS	0.07	11	0.02954	* uncalibrated *
2.546	1.93029e4	VVS	0.05	12	0.02292	* uncalibrated *
2.600	9228.67969	VVS	0.03	13	0.01096	* uncalibrated *
2.631	8279.74121	VVS	0.02	14	0.00983	* uncalibrated *
2.667	5610.91016	VVS	0.02	15	0.00666	* uncalibrated *
2.700	5604.79004	VVS	0.03	16	0.00665	* uncalibrated *
2.754	2198.18823	VVS	0.02	17	0.00261	* uncalibrated *
2.781	1446.84021	VBAS	0.01	18	0.00172	* uncalibrated *
6.745	4.77643	VV	0.03	19	5.670e-6	* uncalibrated *
10.061	633.55933	VV	0.03	20	0.00075	* uncalibrated *
10.526	5.04492	PV	0.05	21	5.989e-6	* uncalibrated *
10.681	8.86592	VV	0.06	22	1.053e-5	* uncalibrated *
10.866	7.53222	VV	0.05	23	8.942e-6	* uncalibrated *
11.584	11.73218	VV	0.05	24	1.393e-5	* uncalibrated *
12.430	6.42702	BV	0.04	25	7.630e-6	* uncalibrated *

```
==========================================================================
Injection Date  : 7/18/2005 5:55:22 PM          Seq. Line :   7
Sample Name     : 141692 x1 msd K                Location : Vial 9
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\071805.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    : 7/14/2005 10:40:30 AM by DCS
TPH
```




```
==========================================================================
                          Area Percent Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      6/8/2005 10:16:23 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	3.092	VP	0.0160	254.89246	0.00030	nonane
2	3.899	VB	0.0295	8.81551	1.047e-5	decane
3	5.541		0.0000	0.00000	0.00000	dodecane
4	6.630	PV	0.0417	11.14035	1.323e-5	2-FB(frac2)
5	6.803	VB	0.0339	540.77374	0.00064	tetradecane
6	7.429	PB	0.0901	14.85150	1.763e-5	2-BrN(frac)
7	8.095		0.0000	0.00000	0.00000	hexadecane
8	9.172		0.0000	0.00000	0.00000	octadecane
9	9.508	PV	0.0230	2.75255	3.268e-6	OTP
10	9.580	VB	0.0294	732.50751	0.00087	nonadecane
11	10.206	VB	0.0387	3.38040	4.013e-6	eicosane
12	10.960	VV	0.0408	6.34188	7.529e-6	docosane

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.394	BV	0.0293	2336.02808	0.00277	COD
14	11.761	VV	0.0644	6.60914	7.846e-6	tetracosane
15	12.590	VV	0.0439	5.30618	6.299e-6	hexacosane
16	13.277	VB	0.0301	604.44025	0.00072	octacosane
17	14.039		0.0000	0.00000	0.00000	triacontane
18	16.215		0.0000	0.00000	0.00000	hexatriacontane

Totals : 4527.83955 5.375e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.532	PV	0.0176	6.24704	7.416e-6	?
2	0.591	VV	0.0124	2.10728	2.502e-6	?
3	1.873	VV S	1.0149	8.30332e7	98.57370	?
4	1.900	VV S	0.0200	9.77890e5	1.16091	?
5	2.034	VV S	0.0376	2.13012e4	0.02529	?
6	2.079	VV S	0.0408	2.32053e4	0.02755	?
7	2.140	VV S	0.0421	1.85628e4	0.02204	?
8	2.204	VV S	0.0785	3.14204e4	0.03730	?
9	2.283	VV S	0.0356	1.47776e4	0.01754	?
10	2.335	VV S	0.0971	3.25089e4	0.03859	?
11	2.433	VV S	0.0752	2.48791e4	0.02954	?
12	2.546	VV S	0.0534	1.93029e4	0.02292	?
13	2.600	VV S	0.0307	9228.67969	0.01096	?
14	2.631	VV S	0.0256	8279.74121	0.00983	?
15	2.667	VV S	0.0258	5610.91016	0.00666	?
16	2.700	VV S	0.0372	5604.79004	0.00665	?
17	2.754	VV S	0.0203	2198.18823	0.00261	?
18	2.781	VBAS	0.0192	1446.84021	0.00172	?
19	6.745	VV	0.0345	4.77643	5.670e-6	?
20	10.061	VV	0.0314	633.55933	0.00075	?
21	10.526	PV	0.0592	5.04492	5.989e-6	?
22	10.681	VV	0.0635	8.86592	1.053e-5	?
23	10.866	VV	0.0515	7.53222	8.942e-6	?
24	11.584	VV	0.0532	11.73218	1.393e-5	?
25	12.430	BV	0.0499	6.42702	7.630e-6	?
26	13.201	BV	0.0374	8.84319	1.050e-5	?

Uncalib. totals : 8.42301e7 99.9946

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

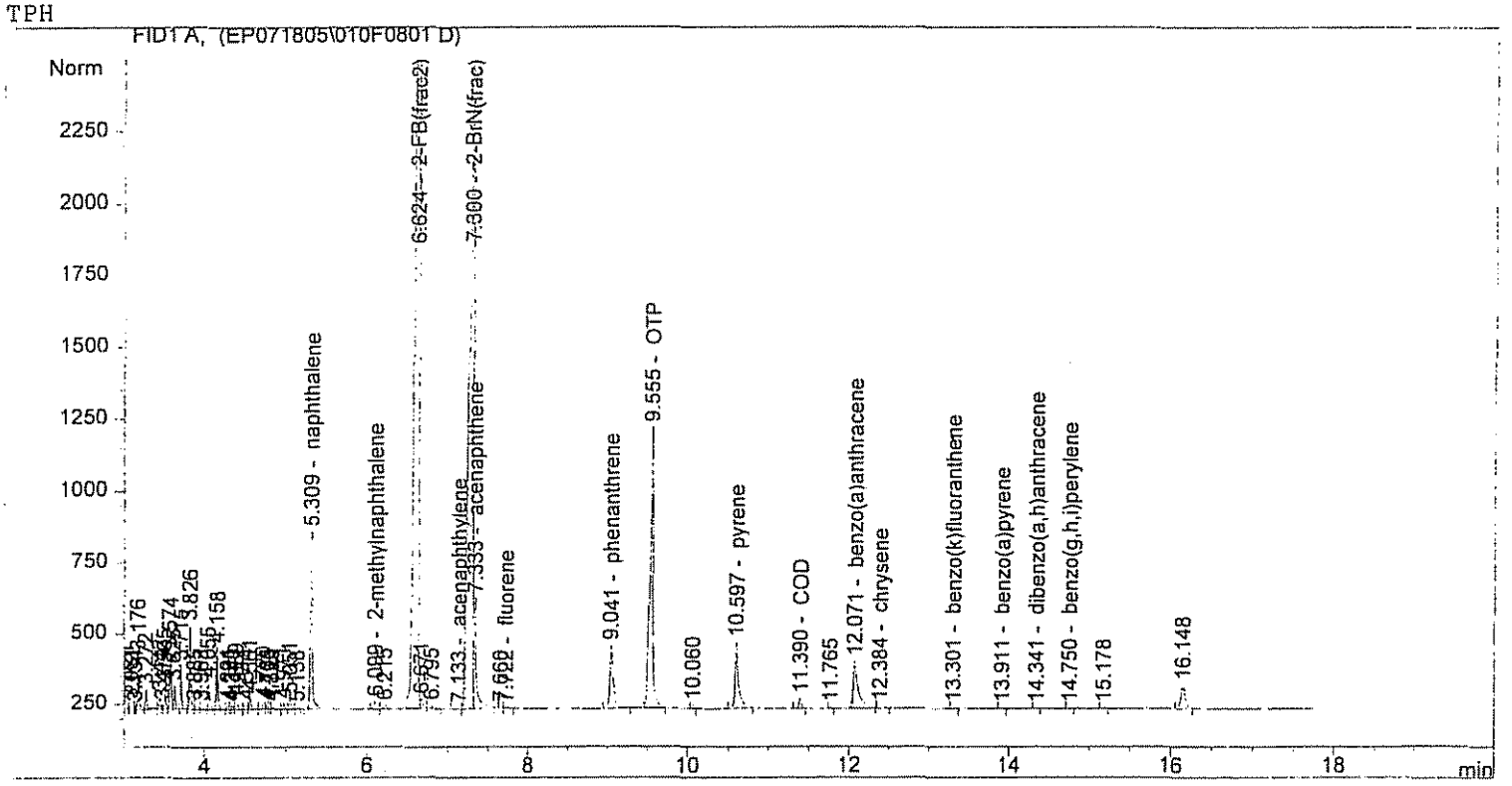
ata File Name : C:\HPCHEM\1\DATA\EP071805\010F0801.D
perator : DCS
nstrument : GC6
ample Name : G161-2069-20 x1 msd R
un Time Bar Code: 141692
cquired on : 18 Jul 05 6:22:33 PM
eport Created on: 19 Jul 2005 3:20:27 PM
ast Recalib on : 14 Jul 2005 2:22:40 PM
ultiplier : 1.0000

Page Number :
Vial Number : Vial 10
Injection Number : 1
Sequence Line : 8
Instrument Method: PROEPH.M
Analysis Method : EPH-R_F.M
Sample Amount : 10 µl
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\EP071805\010F0801.D

et Time	Area	Type	Width	Ref#	ng	Name
5.309	1050.72229	BB	0.02	1	0.00128	naphthalene
6.099	60.68898	BV	0.03	2	7.392e-5	2-methylnaphthalene
6.624	1.19822e4	BV	0.04	3	0.01459	2-FB(frac2)
7.133	10.60944	PP	0.05	4	1.292e-5	acenaphthylene
7.300	8138.40283	VV	0.04	5	0.00991	2-BrN(frac)
7.333	777.86353	VB	0.02	6	0.00095	acenaphthene
7.722	8.09305	VB	0.04	7	9.857e-6	fluorene
9.041	713.67328	BB	0.04	8	0.00087	phenanthrene
9.111	0.00000	XX	0.00	9	0.00000	anthracene
9.555	2716.95947	BB	0.03	10	0.00331	OTP
10.460	0.00000	XX	0.00	11	0.00000	fluoranthene
10.597	712.36530	BB	0.04	12	0.00087	pyrene
11.390	81.70603	BB	0.03	13	9.952e-5	COD
12.071	667.91510	BB	0.05	14	0.00081	benzo(a)anthracene
12.384	27.46094	BB	0.06	15	3.345e-5	chrysene
13.250	0.00000	XX	0.00	16	0.00000	benzo(b)fluoranthene
13.301	11.67712	BP	0.03	17	1.422e-5	benzo(k)fluoranthene
13.911	5.27501	BB	0.03	18	6.425e-6	benzo(a)pyrene
14.341	4.12506	BP	0.03	19	5.024e-6	dibenzo(a,h)anthracene
14.640	0.00000	XX	0.00	20	0.00000	indeno(1,2,3-cd)pyrene
14.750	4.31972	BP	0.03	21	5.261e-6	benzo(g,h,i)perylene
0.544	131.50603	PV	0.02	1	0.00016	* uncalibrated *
0.588	81.62768	VV	0.02	2	9.942e-5	* uncalibrated *
1.834	8.10069e7	VVS	1.00	3	98.66396	* uncalibrated *
1.877	9.11885e5	VVS	0.01	4	1.11065	* uncalibrated *
1.961	1.68080e4	VVS	0.04	5	0.02047	* uncalibrated *
2.016	1.41077e4	VVS	0.04	6	0.01718	* uncalibrated *
2.076	1.56226e4	VVS	0.05	7	0.01903	* uncalibrated *
2.126	9631.79883	VVS	0.02	8	0.01173	* uncalibrated *
2.181	1.53466e4	VVS	0.06	9	0.01869	* uncalibrated *
2.240	9278.43652	VVS	0.03	10	0.01130	* uncalibrated *
2.281	8157.42188	VVS	0.03	11	0.00994	* uncalibrated *
2.323	8067.60547	VVS	0.03	12	0.00983	* uncalibrated *
2.375	7859.13135	VVS	0.03	13	0.00957	* uncalibrated *
2.415	6313.53613	VVS	0.02	14	0.00769	* uncalibrated *
2.459	1.02772e4	VVS	0.05	15	0.01252	* uncalibrated *
2.517	7283.10010	VVS	0.03	16	0.00887	* uncalibrated *
2.564	6630.97119	VVS	0.03	17	0.00808	* uncalibrated *
2.600	3195.47412	VVS	0.01	18	0.00389	* uncalibrated *
2.631	5568.13086	VVS	0.03	19	0.00678	* uncalibrated *
2.659	3825.85791	VVS	0.03	20	0.00466	* uncalibrated *
2.710	3500.18579	VVS	0.04	21	0.00426	* uncalibrated *
2.768	3292.08569	VBS	0.04	22	0.00401	* uncalibrated *

```
==========================================================================
Injection Date  : 7/18/2005 6:22:33 PM          Seq. Line :   8
Sample Name     : 141692 x1 msd R                Location : Vial 10
Acq. Operator   : DCS                                 Inj :   1
Acq. Instrument : GC6                          Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\071805.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\EPH-R_F.M
Last changed    : 7/14/2005 2:23:08 PM by DCS
TPH
```




```
==========================================================================
                          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	5.309	BB	0.0247	1050.72229	0.00128	naphthalene
2	6.099	BV	0.0380	60.68898	7.392e-5	2-methylnaphthalene
3	6.624	BV	0.0416	1.19822e4	0.01459	2-FB(frac2)
4	7.133	PP	0.0539	10.60944	1.292e-5	acenaphthylene
5	7.300	VV	0.0446	8138.40283	0.00991	2-BrN(frac)
6	7.333	VB	0.0273	777.86353	0.00095	acenaphthene
7	7.722	VB	0.0440	8.09305	9.857e-6	fluorene
8	9.041	BB	0.0466	713.67328	0.00087	phenanthrene
9	9.111		0.0000	0.00000	0.00000	anthracene
10	9.555	BB	0.0373	2716.95947	0.00331	OTP
11	10.460		0.0000	0.00000	0.00000	fluoranthene
12	10.597	BB	0.0427	712.36530	0.00087	pyrene

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.390	BB	0.0352	81.70603	9.952e-5	COD
14	12.071	BB	0.0539	667.91510	0.00081	benzo(a)anthracene
15	12.384	BB	0.0633	27.46094	3.345e-5	chrysene
16	13.250		0.0000	0.00000	0.00000	benzo(b)fluoranthene
17	13.301	BP	0.0394	11.67712	1.422e-5	benzo(k)fluoranthene
18	13.911	BB	0.0369	5.27501	6.425e-6	benzo(a)pyrene
19	14.341	BP	0.0315	4.12506	5.024e-6	dibenzo(a,h)anthracene
20	14.640		0.0000	0.00000	0.00000	indeno(1,2,3-cd)pyrene
21	14.750	BP	0.0318	4.31972	5.261e-6	benzo(g,h,i)perylene

Totals : 2.69740e4 3.285e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.544	PV	0.0217	131.50603	0.00016	?
2	0.588	VV	0.0256	81.62768	9.942e-5	?
3	1.834	VV S	1.0000	8.10069e7	98.66396	?
4	1.877	VV S	0.0190	9.11885e5	1.11065	?
5	1.961	VV S	0.0458	1.68080e4	0.02047	?
6	2.016	VV S	0.0467	1.41077e4	0.01718	?
7	2.076	VV S	0.0527	1.56226e4	0.01903	?
8	2.126	VV S	0.0283	9631.79883	0.01173	?
9	2.181	VV S	0.0605	1.53466e4	0.01869	?
10	2.240	VV S	0.0336	9278.43652	0.01130	?
11	2.281	VV S	0.0337	8157.42188	0.00994	?
12	2.323	VV S	0.0370	8067.60547	0.00983	?
13	2.375	VV S	0.0329	7859.13135	0.00957	?
14	2.415	VV S	0.0278	6313.53613	0.00769	?
15	2.459	VV S	0.0593	1.02772e4	0.01252	?
16	2.517	VV S	0.0350	7283.10010	0.00887	?
17	2.564	VV S	0.0346	6630.97119	0.00808	?
18	2.600	VV S	0.0180	3195.47412	0.00389	?
19	2.631	VV S	0.0340	5568.13086	0.00678	?
20	2.659	VV S	0.0308	3825.85791	0.00466	?
21	2.710	VV S	0.0474	3500.18579	0.00426	?
22	2.768	VB S	0.0455	3292.08569	0.00401	?
23	2.847	BV X	0.0141	455.09985	0.00055	?
24	3.021	VV X	0.0160	25.99984	3.167e-5	?
25	3.081	VV X	0.0184	15.69207	1.911e-5	?
26	3.134	VV X	0.0178	5.02577	6.121e-6	?
27	3.176	VV X	0.0152	178.42862	0.00022	?
28	3.272	VV X	0.0162	69.06735	8.412e-5	?
29	3.442	VV X	0.0166	42.33304	5.156e-5	?
30	3.474	VV X	0.0161	11.88649	1.448e-5	?
31	3.505	VV X	0.0171	90.68122	0.00011	?
32	3.574	VV X	0.0236	273.37616	0.00033	?
33	3.625	VV X	0.0187	92.55196	0.00011	?
34	3.715	VV X	0.0171	167.52777	0.00020	?
35	3.826	VV X	0.0180	325.12042	0.00040	?
36	3.885	VV X	0.0384	29.49003	3.592e-5	?
37	3.963	VV X	0.0378	12.60720	1.536e-5	?
38	4.055	VV X	0.0197	122.19763	0.00015	?
39	4.158	VV X	0.0185	269.29636	0.00033	?
40	4.291	VV X	0.0333	28.26328	3.442e-5	?
41	4.325	VV X	0.0214	12.80398	1.559e-5	?
42	4.349	VV X	0.0217	18.13781	2.209e-5	?
43	4.389	VV X	0.0279	63.30190	7.710e-5	?
44	4.514	VV X	0.0344	38.66103	4.709e-5	?
45	4.561	VV X	0.0237	78.62945	9.577e-5	?
46	4.720	VV X	0.0268	40.04348	4.877e-5	?
47	4.766	VV X	0.0199	16.43684	2.002e-5	?
48	4.793	VV X	0.0205	16.19383	1.972e-5	?

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
49	4.825	VV X	0.0277	16.51006	2.011e-5	?
50	4.971	VV T	0.0284	35.97311	4.381e-5	?
51	5.051	VV T	0.0258	65.29627	7.953e-5	?
52	5.138	VB T	0.0259	9.35402	1.139e-5	?
53	6.215	VP	0.0425	31.25685	3.807e-5	?
54	6.671	VV	0.0282	69.33500	8.445e-5	?
55	6.795	VB	0.0504	37.63463	4.584e-5	?
56	7.660	PV	0.0292	3.85291	4.693e-6	?
57	10.060	BP	0.0245	16.52383	2.013e-5	?
58	11.765	BB	0.0255	5.74381	6.996e-6	?
59	15.178	BP	0.0367	4.22836	5.150e-6	?
60	16.148	BB	0.0549	310.68695	0.00038	?

Uncalib. totals : 8.20769e7 99.9671

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

Prep Report for Batch 3239 (EPH/3520/WATER) on 2005-07-15

Sample ID (GCCODE)	EXT	InitVol	QCSpikeID	QCSpikeVol	SSpikeID	SSpikeVol	FinalVol	CH2Cl2Lot	HexaneLot	Analyst
G106-528-2L (141696)					ephsrsvo3w17l	.5	5	co493	cn929	nio
G161-2069-1M (141689)					ephsrsvo3w17l	.5	5	co493	cn929	nio
G161-2069-2M (141690)					ephsrsvo3w17l	.5	5	co493	cn929	nio
G161-2069-2N (141691)	ms	212	ephqcsvo3n34	.5	ephsrsvo3w17l	.5	5	co493	cn929	nio
G161-2069-2O (141692)	msd	212	ephqcsvo3n34	.5	ephsrsvo3w17l	.5	5	co493	cn929	nio
G161-2070-1M (141694)					ephsrsvo3w17l	.5	5	co493	cn929	nio
G161-2070-2K (141695)					ephsrsvo3w17l	.5	5	co493	cn929	nio
G520-107-1J (141693)					ephsrsvo3w17l	.5	5	co493	cn929	nio
lcs3239	lcs		ephqcsvo3n34	.5	ephsrsvo3w17l	.5	5	co493	cn929	nio
pb3239	pb				ephsrsvo3w17l	.5	5	co493	cn929	nio

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	DR
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	1000ug/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	50000ug/mL	1000ug/mL	MeCl2	—	8/05	5/13/05	CP
N	SV03-W17D	8/05	EPH Surr	10ml	↓	400ug/mL	100ug/mL	↓		↓	↓	↓
O	ECD03-W5RSA	5/16/06	PCP Matrix Spike	20ml	10mL	10000ug/mL	2000ug/L	MeOH		5/15/05	5/15/05	[illegible]
P	ECD03-R7K	5/16/06	Aromatic Std	800ml	20ml	1000ug/ml	40ug/ml	Hexane		5/16/06	5/16/05	CP
Q	ECD03-W12Q		Frac	800ml	↓	10000ug/ml	400ug/mL	↓		↓	↓	↓
R	SV03-W17P		EPH Surr	2ml	~~10~~	400ug/mL	40ug/ml	↓		↓	↓	↓
S	ECD03-R7L	5/26/06	Aliphatic 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-R6T	1/7/06	1016/1260 Std	100ml	25ml	1000ug/mL	4000ug/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.

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		6/23/06	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	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	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-~~R7K~~		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	12/26/06	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	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	↓	20uL	↓	15000ug/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.

VPH Sample Raw Data

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp071505\019F0101.D
perator : DCS
nstrument : FID/PID
ample Name : g161-2070-1d x1
un Time Bar Code:
cquired on : 15 Jul 05 06:15 PM
eport Created on: 18 Jul 05 08:20 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp071505\019F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.755	4375	BB	0.081	1	4.364	n-Pentane
3.843	16691	BV	0.125	1	2.965	2-Methylpentane
4.282	* not found *			1		MTBE
6.232	55197	VV	0.097	1	10.602	2,2,4-Trimethylpentane
6.522	56879	VV	0.111	1	7.209	Benzene
7.976	17945	VV	0.056	1	1.905	Toluene
8.697	6955	VV	0.052	1	1.745	n-Nonane
8.782	21256	VV	0.052	1	2.078	EBenz, m-,p-Xylene
9.132	26525	VV	0.066	1	2.634	o-Xylene
9.399	66906	VV	0.033	1	257.720	BFB
9.739	15810	VV	0.079	1	1.683	1,2,4-Trimethylbenzene
11.207	19284	VV	0.041	1	4.550	Naphthalene
3.318	2979	BB	0.117		29.790	* uncalibrated *
4.170	14556	VV	0.127		145.556	* uncalibrated *
4.510	13225	VB	0.101		132.247	* uncalibrated *
5.449	35626	PV	0.110		356.264	* uncalibrated *
5.937	10240	VV	0.091		102.401	* uncalibrated *
6.125	17095	VV	0.086		170.949	* uncalibrated *
6.978	8896	PV	0.074		88.955	* uncalibrated *
7.111	98597	VV	0.066		985.975	* uncalibrated *
7.225	10769	VV	0.058		107.688	* uncalibrated *
7.305	5921	VV	0.059		59.212	* uncalibrated *
7.402	16303	VV	0.070		163.035	* uncalibrated *
7.508	11707	VV	0.073		117.074	* uncalibrated *
7.735	31508	VV	0.057		315.078	* uncalibrated *
7.859	15044	VV	0.063		150.437	* uncalibrated *
8.056	15023	VV	0.063		150.227	* uncalibrated *
8.222	1253	VV	0.046		12.530	* uncalibrated *
8.344	43891	VV	0.061		438.914	* uncalibrated *
8.452	6314	VV	0.043		63.137	* uncalibrated *
8.951	14288	VV	0.082		142.885	* uncalibrated *
9.261	19233	VV	0.037		192.325	* uncalibrated *
9.471	32345	VV	0.044		323.453	* uncalibrated *
9.810	17036	VV	0.060		170.361	* uncalibrated *
9.911	3532	VV	0.038		35.318	* uncalibrated *
10.075	24359	VV	0.060		243.591	* uncalibrated *
10.122	8400	VV	0.032		83.998	* uncalibrated *
10.179	31546	VV	0.056		315.463	* uncalibrated *
10.321	19184	VV	0.041		191.840	* uncalibrated *
10.445	42953	VV	0.051		429.530	* uncalibrated *
10.516	15185	VV	0.042		151.855	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp071505\019F0101.D
perator : DCS
nstrument : FID/PID
ample Name : g161-2070-1d x1
un Time Bar Code:
cquired on : 15 Jul 05 06:15 PM
eport Created on: 18 Jul 05 08:20 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 19
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH)
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.577	11234	VV	0.042	112.338	* uncalibrated *
10.635	10083	VV	0.051	100.831	* uncalibrated *
10.798	21072	VV	0.056	210.721	* uncalibrated *
10.851	16361	VV	0.035	163.613	* uncalibrated *
10.975	20921	VV	0.063	209.211	* uncalibrated *
11.065	14047	VV	0.065	140.471	* uncalibrated *
11.276	5463	VV	0.048	54.634	* uncalibrated *
11.399	7287	VV	0.080	72.867	* uncalibrated *
11.479	4813	VV	0.056	48.133	* uncalibrated *
11.527	5466	VV	0.055	54.663	* uncalibrated *
11.649	2819	VV	0.063	28.192	* uncalibrated *
11.710	2267	VV	0.045	22.671	* uncalibrated *
11.764	10481	VV	0.053	104.807	* uncalibrated *
11.915	3273	VV	0.050	32.729	* uncalibrated *
12.004	3423	VV	0.059	34.229	* uncalibrated *
12.184	2495	PV	0.052	24.949	* uncalibrated *
12.352	1366	PBA	0.026	13.663	* uncalibrated *

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found

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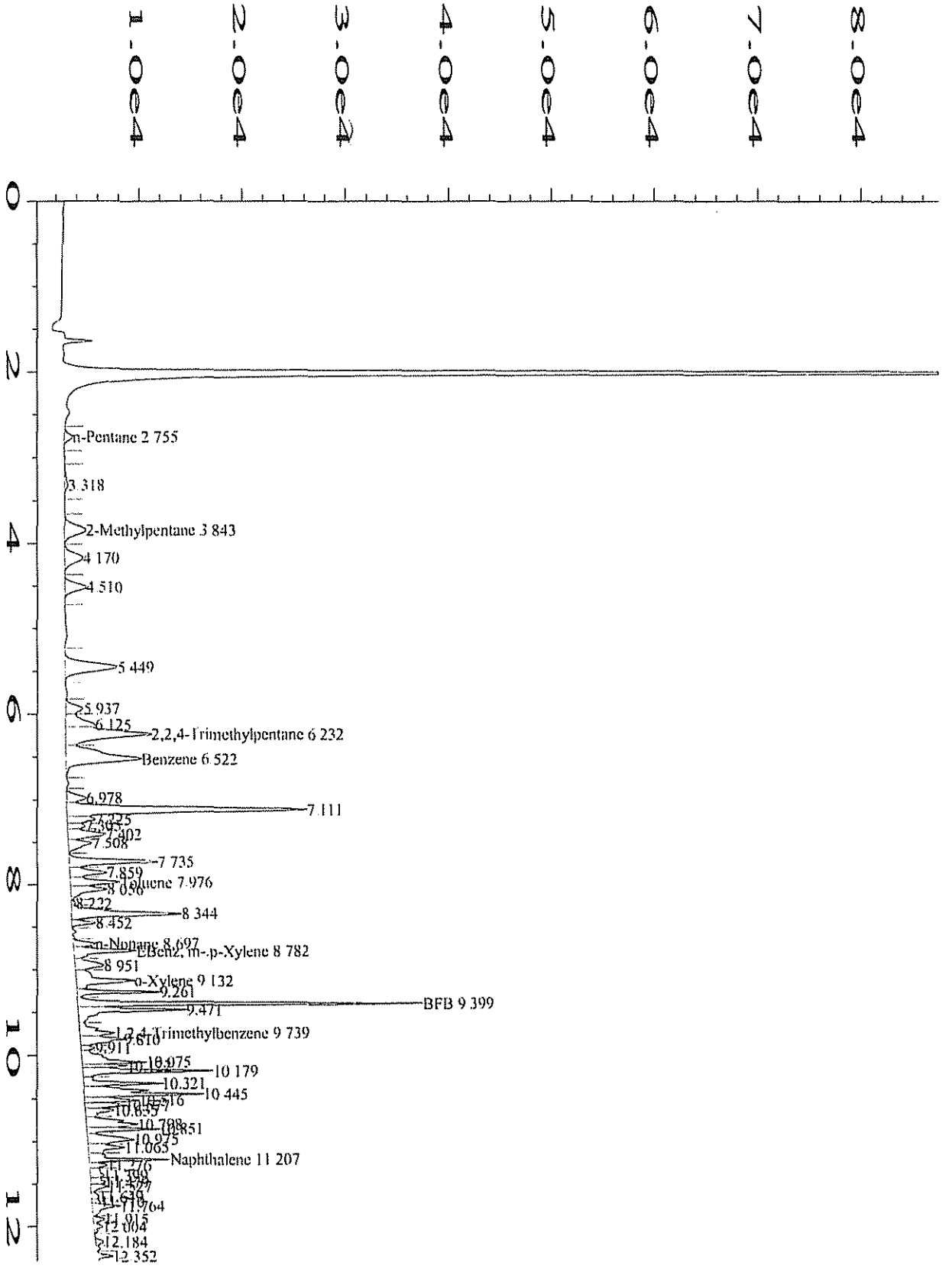

Data File Name	: C:\HPCHEM\1\DATA\vp071505\019F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 19
Sample Name	: g161-2070-1d x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 06:15 PM	Instrument Method:	GAS1.MTH
Report Created on:	18 Jul 05 08:20 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

ata File Name : C:\HPCHEM\1\DATA\vp071505\019R0101.D
perator : DCS
nstrument : FID/PID
ample Name : g161-2070-1d x1
un Time Bar Code:
cquired on : 15 Jul 05 06:15 PM
eport Created on: 18 Jul 05 08:20 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 19
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\vp071505\019R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.765	2264	BV	0.087	1	0.361	n-Pentane
3.829	11358	BV	0.120	1	1.203	2-Methylpentane
4.185	8920	VV	0.129	1	0.296	MTBE
6.241	87955	VV	0.116	1	5.781	2,2,4-Trimethylpentane
6.532	40169	VV	0.122	1	0.505	Benzene
7.978	28032	VV	0.057	1	0.687	Toluene
8.699	7831	PV	0.050	1	1.154	n-Nonane
8.784	26862	VV	0.060	1	0.794	ethbzene/m,p-xylene
9.071	9907	VV	0.067	1	0.256	o-Xylene
9.402	279441	VV	0.033	1	18.808	BFB(pid)
9.739	15292	VV	0.048	1	0.498	1,2,4-Trimethylbenzene
11.207	41827	VV	0.048	1	2.390	Naphthalene(pid)
1.486	12686	BV	0.037		126.859	* uncalibrated *
1.645	12174	VV	0.044		121.739	* uncalibrated *
1.768	986	VB	0.052		9.858	* uncalibrated *
1.953	5715	BV	0.075		57.152	* uncalibrated *
2.090	2425	VB	0.072		24.251	* uncalibrated *
3.010	1220	PB	0.066		12.199	* uncalibrated *
3.338	5361	BB	0.101		53.614	* uncalibrated *
4.028	10053	VV	0.081		100.531	* uncalibrated *
4.520	4866	PV	0.103		48.658	* uncalibrated *
5.461	15911	BV	0.118		159.113	* uncalibrated *
5.824	1800	PV	0.092		17.997	* uncalibrated *
5.951	4452	VV	0.084		44.525	* uncalibrated *
6.983	6529	PV	0.071		65.293	* uncalibrated *
7.118	160998	VV	0.073		1609.982	* uncalibrated *
7.307	7323	VV	0.060		73.232	* uncalibrated *
7.411	14397	VV	0.069		143.968	* uncalibrated *
7.515	10247	VV	0.092		102.468	* uncalibrated *
7.738	44056	VV	0.058		440.558	* uncalibrated *
7.865	18165	VV	0.064		181.648	* uncalibrated *
8.058	18489	VV	0.059		184.886	* uncalibrated *
8.345	61659	VV	0.061		616.593	* uncalibrated *
8.452	8023	VV	0.046		80.226	* uncalibrated *
8.558	1052	VV	0.038		10.519	* uncalibrated *
8.957	19522	VV	0.071		195.215	* uncalibrated *
9.133	21584	VV	0.053		215.842	* uncalibrated *
9.262	30045	VV	0.038		300.445	* uncalibrated *
9.471	56308	VV	0.051		563.081	* uncalibrated *
9.691	8043	VV	0.048		80.429	* uncalibrated *
9.812	22886	VV	0.073		228.859	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp071505\019R0101.D
perator : DCS
nstrument : FID/PID
ample Name : g161-2070-1d x1
un Time Bar Code:
cquired on : 15 Jul 05 06:15 PM
eport Created on: 18 Jul 05 08:20 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 19
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

9.913	6360	VV	0.045	63.602	* uncalibrated *
10.076	36773	VV	0.060	367.731	* uncalibrated *
10.123	13159	VV	0.033	131.592	* uncalibrated *
10.179	52697	VV	0.056	526.966	* uncalibrated *
10.321	29797	VV	0.043	297.968	* uncalibrated *
10.445	67442	VV	0.063	674.419	* uncalibrated *
10.516	26941	VV	0.041	269.406	* uncalibrated *
10.576	18697	VV	0.042	186.969	* uncalibrated *
10.636	15054	VV	0.062	150.545	* uncalibrated *
10.798	34743	VV	0.056	347.432	* uncalibrated *
10.850	26853	VV	0.036	268.527	* uncalibrated *
10.974	36424	VV	0.066	364.239	* uncalibrated *
11.066	21399	VV	0.065	213.990	* uncalibrated *
11.275	9366	VV	0.054	93.657	* uncalibrated *
11.397	12563	VV	0.075	125.635	* uncalibrated *
11.480	9110	VV	0.064	91.099	* uncalibrated *
11.528	8519	VV	0.054	85.186	* uncalibrated *
11.647	4508	VV	0.065	45.082	* uncalibrated *
11.763	22158	VV	0.061	221.580	* uncalibrated *
11.912	6525	VV	0.050	65.249	* uncalibrated *
11.992	2893	VV	0.052	28.934	* uncalibrated *
12.189	3423	PV	0.052	34.227	* uncalibrated *
12.268	753	VV	0.034	7.531	* uncalibrated *
12.353	1929	PBA	0.021	19.286	* uncalibrated *

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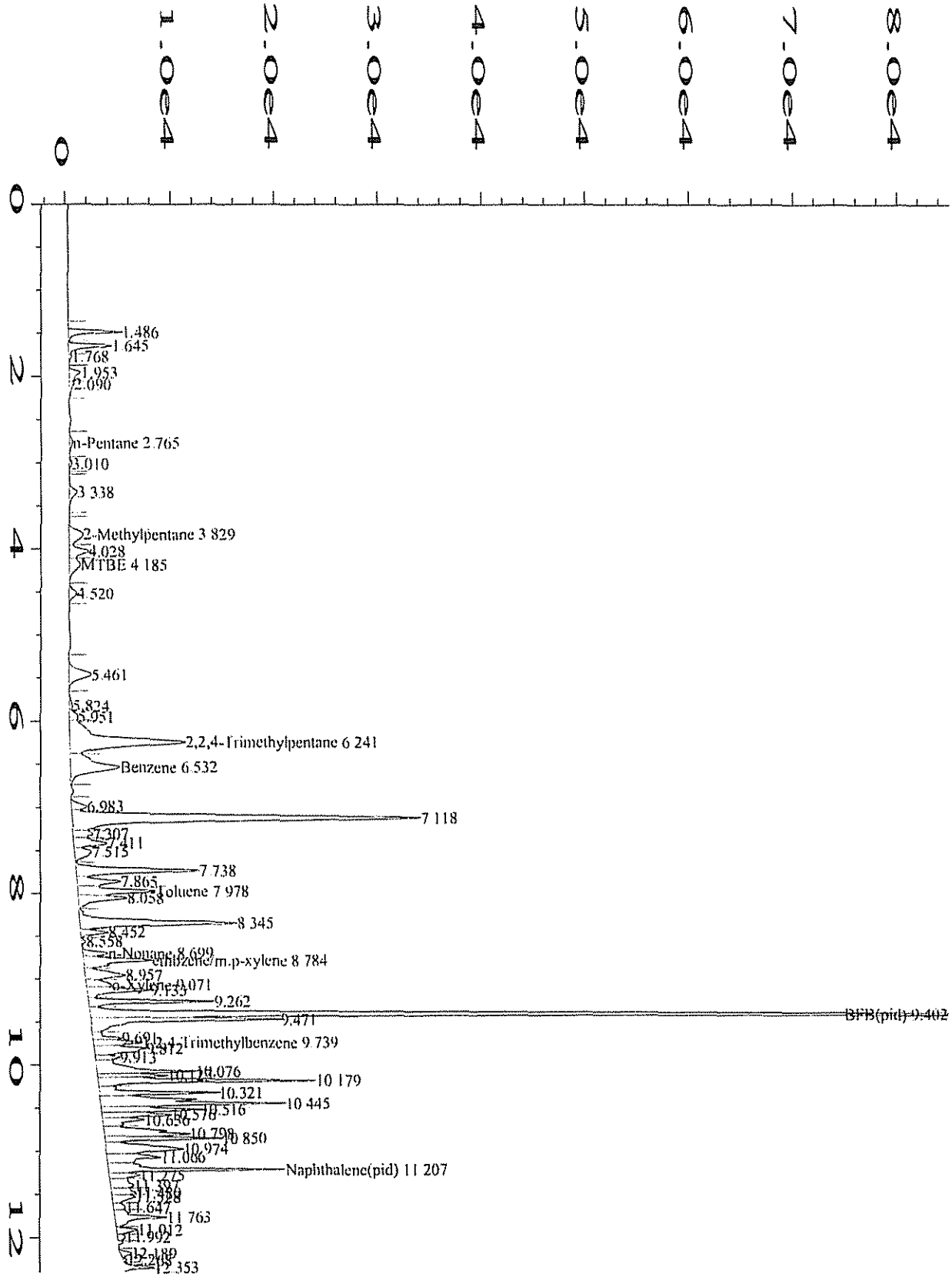

Data File Name	: C:\HPCHEM\1\DATA\vp071505\019R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 19
Sample Name	: g161-2070-1d x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 06:15 PM	Instrument Method:	GAS1.MTH
Report Created on:	18 Jul 05 08:20 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\vp071505\020F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 20
Sample Name	: g161-2070-2d x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 06:40 PM	Instrument Method:	GAS1.MTH
Report Created on:	18 Jul 05 08:20 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

PK 7/16

Sig. 1 in C:\HPCHEM\1\DATA\vp071505\020F0101.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	* not found *			1		2,2,4-Trimethylpentane
6.529	1885	VB	0.098	1	0.239	Benzene
7.919	1156	VV	0.043	1	0.123	Toluene
8.685	1857	BV	0.047	1	0.466	n-Nonane
8.838	1394	VV	0.038	1	0.136	EBenz, m-,p-Xylene
9.132	4197	VV	0.065	1	0.417	o-Xylene
9.399	60025	PV	0.029	1	231.212	BFB
9.762	4105	VV	0.060	1	0.437	1,2,4-Trimethylbenzene
11.208	6706	VV	0.035	1	1.582	Naphthalene
7.113	1771	PB	0.060		17.713	* uncalibrated *
7.737	1903	BV	0.062		19.030	* uncalibrated *
8.349	4220	PV	0.074		42.197	* uncalibrated *
8.452	1049	VB	0.051		10.491	* uncalibrated *
8.789	2007	VV	0.050		20.069	* uncalibrated *
8.955	1563	VV	0.063		15.626	* uncalibrated *
9.470	2100	VV	0.042		20.996	* uncalibrated *
9.513	2816	VV	0.055		28.163	* uncalibrated *
9.808	7119	VV	0.048		71.189	* uncalibrated *
9.997	5340	VV	0.052		53.402	* uncalibrated *
10.073	4918	VV	0.047		49.182	* uncalibrated *
10.176	10015	VV	0.058		100.147	* uncalibrated *
10.321	6161	VV	0.048		61.606	* uncalibrated *
10.405	5090	VV	0.039		50.904	* uncalibrated *
10.445	6516	VV	0.039		65.163	* uncalibrated *
10.520	5281	VV	0.050		52.805	* uncalibrated *
10.578	7709	VV	0.048		77.088	* uncalibrated *
10.759	4073	VV	0.048		40.733	* uncalibrated *
10.803	5594	VV	0.038		55.940	* uncalibrated *
10.851	7852	VV	0.041		78.523	* uncalibrated *
10.974	12648	VV	0.069		126.480	* uncalibrated *
11.059	9026	VV	0.066		90.261	* uncalibrated *
11.162	3568	VV	0.036		35.684	* uncalibrated *
11.275	4564	VV	0.047		45.638	* uncalibrated *
11.353	3496	VV	0.044		34.959	* uncalibrated *
11.399	3941	VV	0.046		39.406	* uncalibrated *
11.479	4880	VV	0.050		48.801	* uncalibrated *
11.526	5483	VV	0.051		54.826	* uncalibrated *
11.648	3210	VV	0.053		32.103	* uncalibrated *

```
)ata File Name    : C:\HPCHEM\1\DATA\vp071505\020F0101.D
)perator          : DCS                          Page Number       : 2
nstrument         : FID/PID                      Vial Number       : 20
)ample Name       : g161-2070-2d x1              Injection Number  : 1
!un Time Bar Code:                               Sequence Line     : 1
.cquired on       : 15 Jul 05  06:40 PM          Instrument Method: GAS1.MTH
!eport Created on: 18 Jul 05  08:20 AM           Analysis Method   : VPH_FID.MTH
.ast Recalib on   : 24 AUG 04 09:09 AM           Sample Amount     : 0
!ultiplier        : 1                            ISTD Amount       :

  11.708         2595 VV   0.043         25.948 * uncalibrated *
  11.762        10049 VV   0.049        100.488 * uncalibrated *
  11.908         4411 VV   0.040         44.109 * uncalibrated *
  12.003         2170 VV   0.049         21.704 * uncalibrated *
  12.183         1603 PV   0.051         16.028 * uncalibrated *
  12.352         2428 PBA  0.036         24.279 * uncalibrated *

:alibration table contains at least one peak with amt = 0


)ot all calibrated peaks were found


================================================================================
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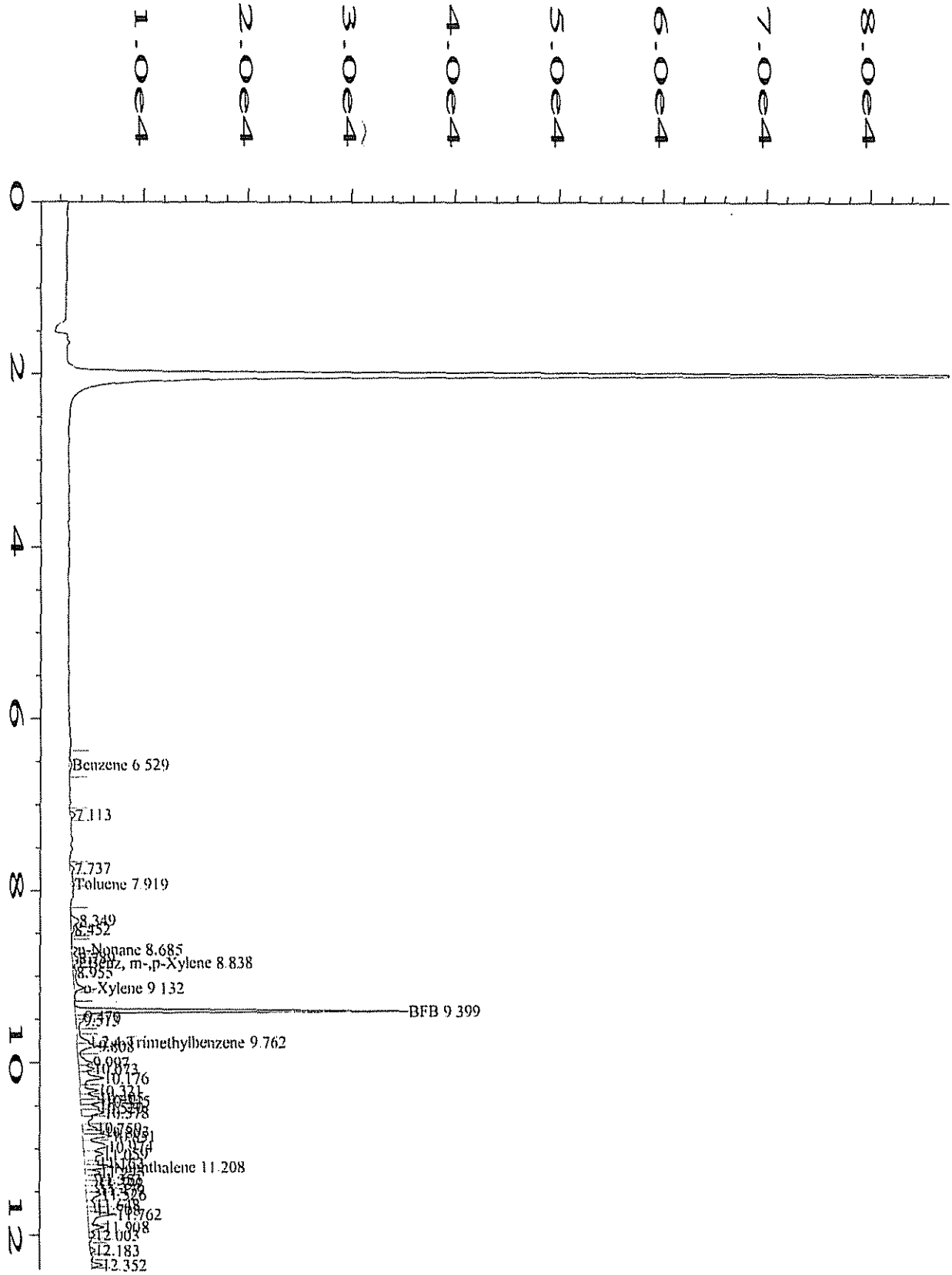

Data File Name	: C:\HPCHEM\1\DATA\vp071505\020F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 20
Sample Name	: g161-2070-2d x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 06:40 PM	Instrument Method:	GAS1.MTH
Report Created on:	18 Jul 05 08:20 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

ata File Name	: C:\HPCHEM\1\DATA\vp071505\020R0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 20
ample Name	: g161-2070-2d x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 15 Jul 05 06:40 PM	Instrument Method	: GAS1.MTH
eport Created on	: 18 Jul 05 08:20 AM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

ig. 2 in C:\HPCHEM\1\DATA\vp071505\020R0101.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
6.312	* not found *			1		2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.920	3264	VV	0.061	1	0.0800	Toluene
8.691	1493	BV	0.052	1	0.220	n-Nonane
8.839	2503	VV	0.038	1	0.0740	ethbzene/m,p-xylene
9.079	2468	VV	0.052	1	0.0637	o-Xylene
9.401	272532	BV	0.032	1	18.343	BFB(pid)
9.761	4544	VV	0.049	1	0.148	1,2,4-Trimethylbenzene
11.207	11307	VV	0.033	1	0.646	Naphthalene(pid)
1.492	662	BB	0.045		6.621	* uncalibrated *
1.645	1385	BV	0.042		13.847	* uncalibrated *
7.119	2910	BV	0.067		29.101	* uncalibrated *
7.739	2080	BV	0.058		20.802	* uncalibrated *
7.980	1474	VV	0.048		14.740	* uncalibrated *
8.348	5032	PV	0.068		50.317	* uncalibrated *
8.455	1156	VV	0.052		11.563	* uncalibrated *
8.791	2568	VV	0.049		25.681	* uncalibrated *
8.962	1979	VV	0.066		19.792	* uncalibrated *
9.131	3048	VV	0.051		30.477	* uncalibrated *
9.646	935	VV	0.044		9.354	* uncalibrated *
9.810	6234	VV	0.053		62.339	* uncalibrated *
9.995	6487	VV	0.072		64.871	* uncalibrated *
10.074	6696	VV	0.048		66.959	* uncalibrated *
10.176	12943	VV	0.052		129.433	* uncalibrated *
10.266	1242	VV	0.034		12.415	* uncalibrated *
10.321	5811	VV	0.038		58.111	* uncalibrated *
10.406	5495	VV	0.042		54.947	* uncalibrated *
10.446	9577	VV	0.040		95.767	* uncalibrated *
10.520	8407	VV	0.042		84.073	* uncalibrated *
10.578	9872	VV	0.044		98.717	* uncalibrated *
10.759	5174	VV	0.046		51.739	* uncalibrated *
10.805	8013	VV	0.044		80.133	* uncalibrated *
10.849	10361	VV	0.040		103.606	* uncalibrated *
10.972	18715	VV	0.069		187.154	* uncalibrated *
11.064	7352	VV	0.048		73.518	* uncalibrated *
11.109	3254	VV	0.030		32.540	* uncalibrated *
11.162	5473	VV	0.037		54.735	* uncalibrated *
11.276	5713	VV	0.046		57.126	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp071505\020R0101.D
perator : DCS
nstrument : FID/PID
ample Name : g161-2070-2d x1
un Time Bar Code:
cquired on : 15 Jul 05 06:40 PM
eport Created on: 18 Jul 05 08:20 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 20
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

11.397	8815	VV	0.079	88.155	* uncalibrated *
11.479	6334	VV	0.051	63.342	* uncalibrated *
11.529	5631	VV	0.051	56.308	* uncalibrated *
11.646	2551	VV	0.060	25.509	* uncalibrated *
11.709	2322	VV	0.041	23.224	* uncalibrated *
11.761	13043	VV	0.040	130.430	* uncalibrated *
11.907	5516	VV	0.034	55.163	* uncalibrated *
12.188	2293	BV	0.053	22.927	* uncalibrated *
12.268	499	VV	0.030	4.994	* uncalibrated *
12.353	4327	VBA	0.035	43.269	* uncalibrated *

lot all calibrated peaks were found

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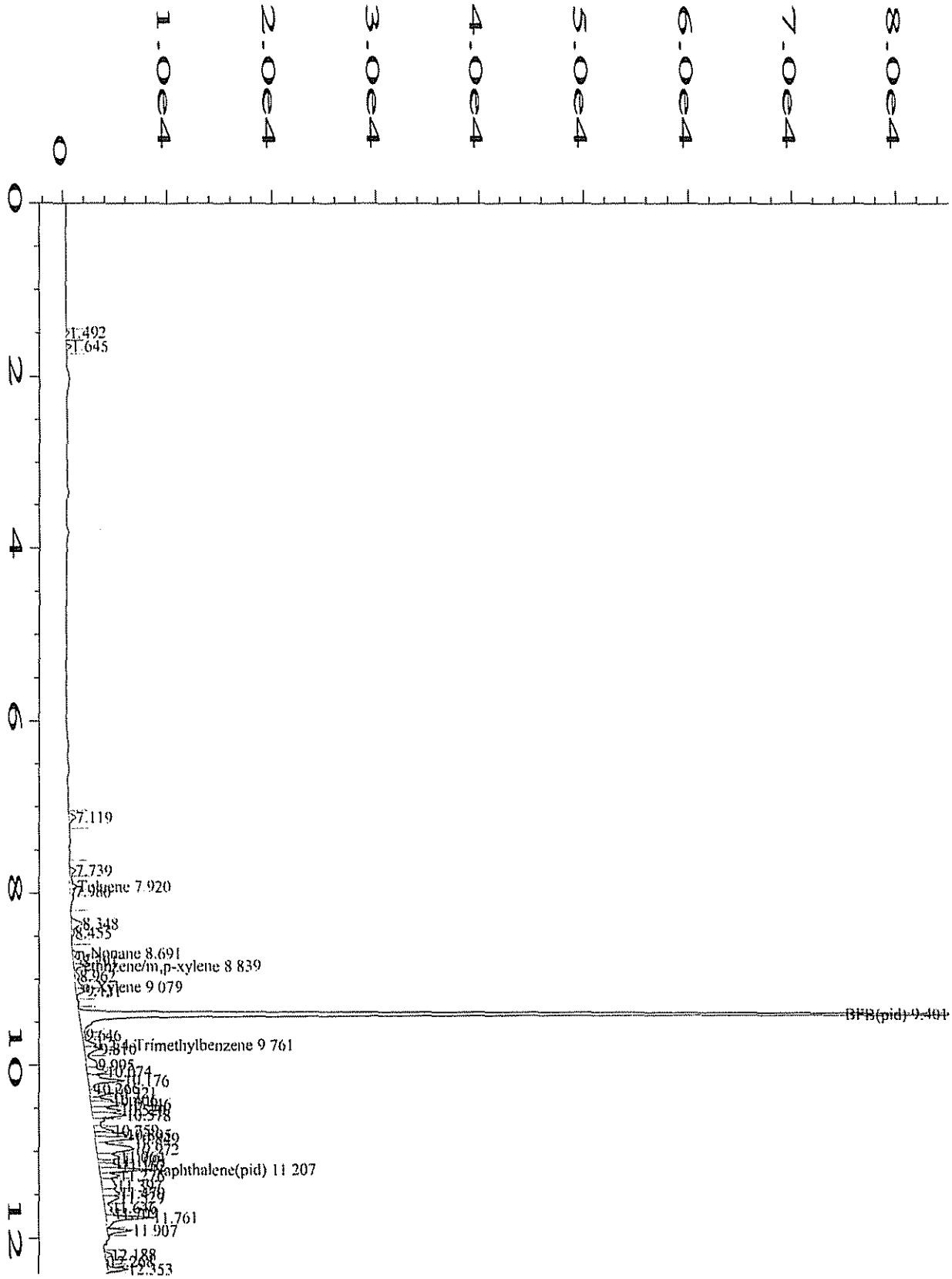


Data File Name	: C:\HPCHEM\1\DATA\vp071505\020R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 20
Sample Name	: g161-2070-2d x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 15 Jul 05 06:40 PM	Instrument Method:	GAS1.MTH
Report Created on:	18 Jul 05 08:20 AM	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

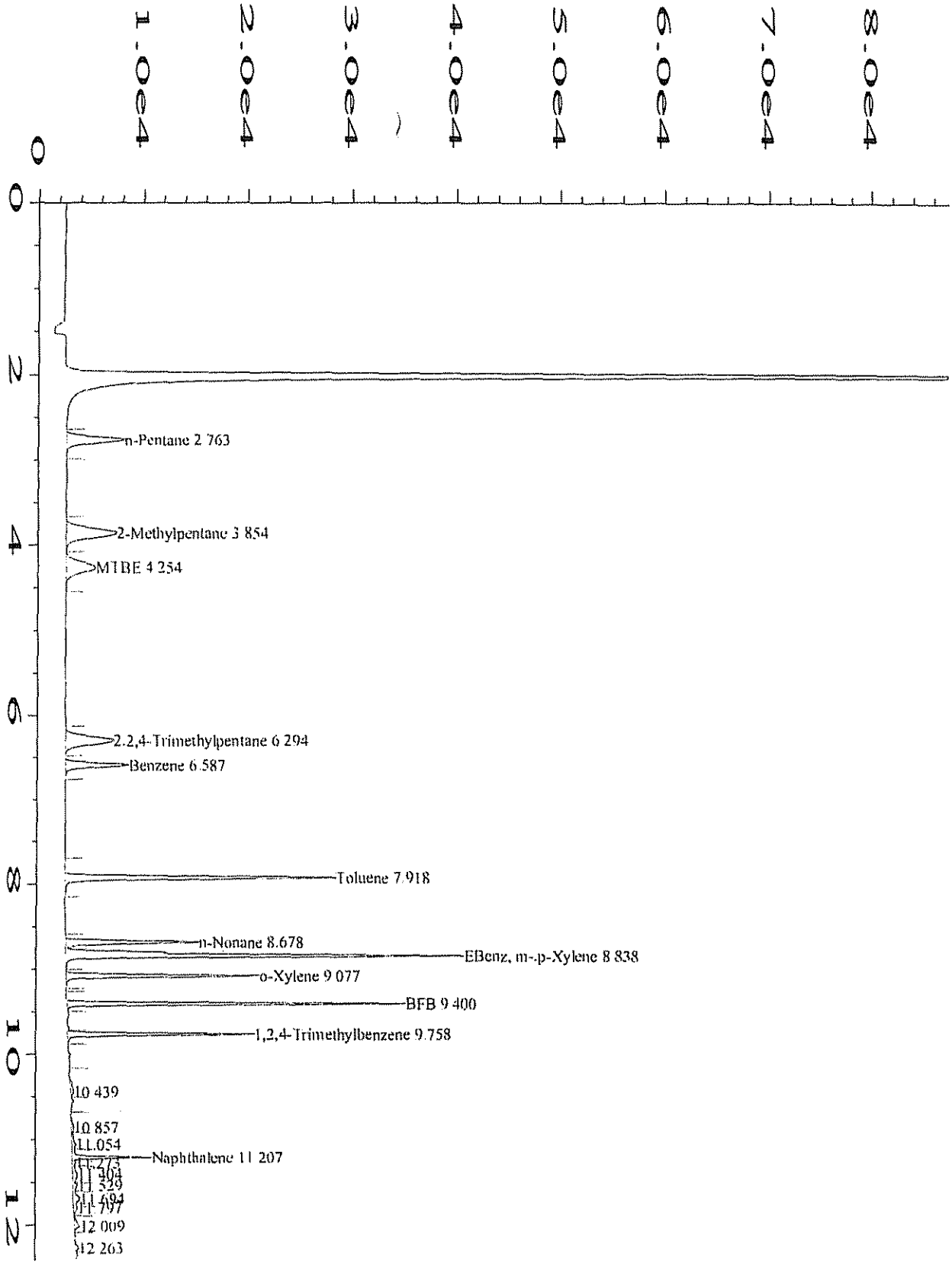
ıta File Name : C:\HPCHEM\1\DATA\vp071405\003F0101.D
ɔerator : DCS
ıstrument : FID/PID
ımple Name : V 10
ın Time Bar Code:
ɔquired on : 14 Jul 05 09:14 AM
ɔport Created on: 07 Sep 05 02:35 PM
ıst Recalib on : 24 AUG 04 09:09 AM
ıltiplier : 1

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 :

ıg. 1 in C:\HPCHEM\1\DATA\vp071405\003F0101.D

ɜt 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 *

alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\vp071405\003F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 3
Sample Name	: V 10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 14 Jul 05 09:14 AM	Instrument Method:	GAS1.MTH
Report Created on:	07 Sep 05 02:35 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

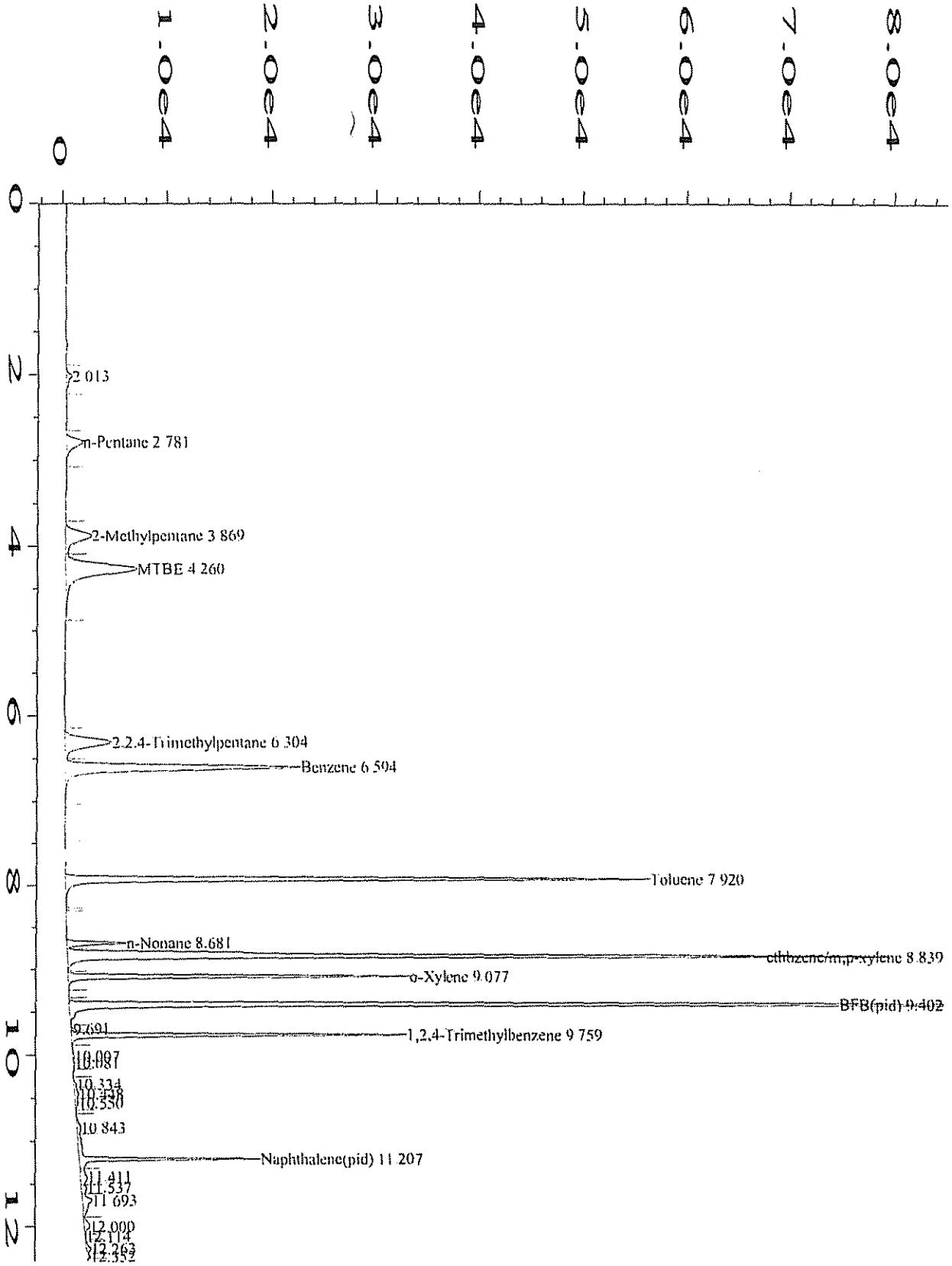
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp071405\003R0101.D
perator : DCS
nstrument : FID/PID
ample Name : V 10
un Time Bar Code:
cquired on : 14 Jul 05 09:14 AM
eport Created on: 07 Sep 05 02:35 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 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 :

ig. 2 in C:\HPCHEM\1\DATA\vp071405\003R0101.D

et 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 *



Data File Name	: C:\HPCHEM\1\DATA\vp071405\003R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 3
Sample Name	: V 10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 14 Jul 05 09:14 AM	Instrument Method	: GAS1.MTH
Report Created on	: 07 Sep 05 02:35 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

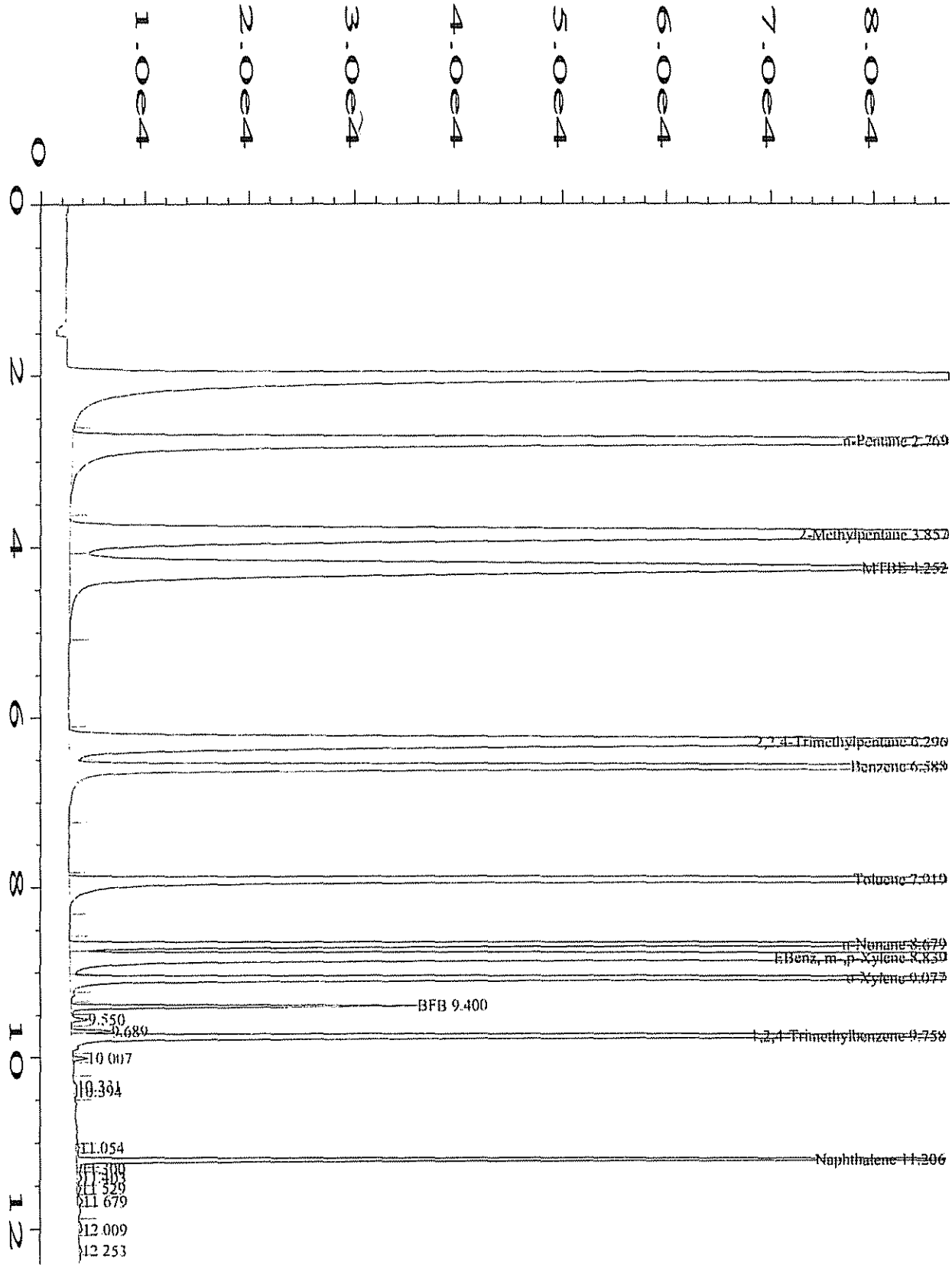
ata File Name : C:\HPCHEM\1\DATA\vp071405\004F0101.D
perator : DCS
nstrument : FID/PID
ample Name : V 250
in Time Bar Code:
cquired on : 14 Jul 05 09:40 AM
eport Created on: 07 Sep 05 02:35 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

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 :

ig. 1 in C:\HPCHEM\1\DATA\vp071405\004F0101.D

et 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 *

alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\vp071405\004F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 4
Sample Name	: V 250	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 14 Jul 05 09:40 AM	Instrument Method:	GAS1.MTH
Report Created on:	07 Sep 05 02:35 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

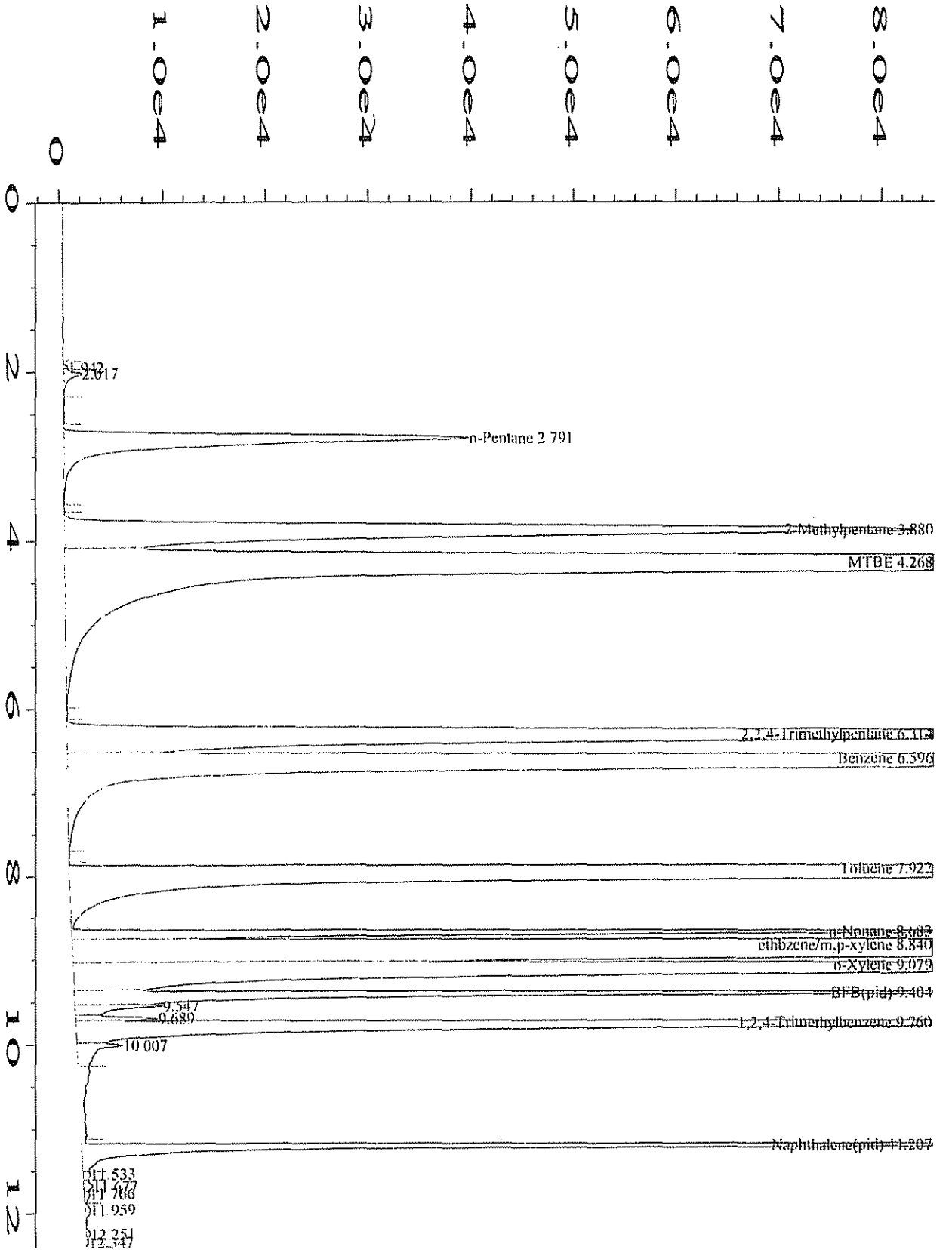
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp071405\004R0101.D
perator : DCS
nstrument : FID/PID
ample Name : V 250
un Time Bar Code:
cquired on : 14 Jul 05 09:40 AM
eport Created on: 07 Sep 05 02:35 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 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 :

ig. 2 in C:\HPCHEM\1\DATA\vp071405\004R0101.D

et 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 *



ata File Name : C:\HPCHEM\1\DATA\vp071405\004R0101.D
perator : DCS
nstrument : FID/PID
ample Name : V 250
un Time Bar Code:
cquired on : 14 Jul 05 09:40 AM
eport Created on: 07 Sep 05 02:35 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 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 :

External Standard Report

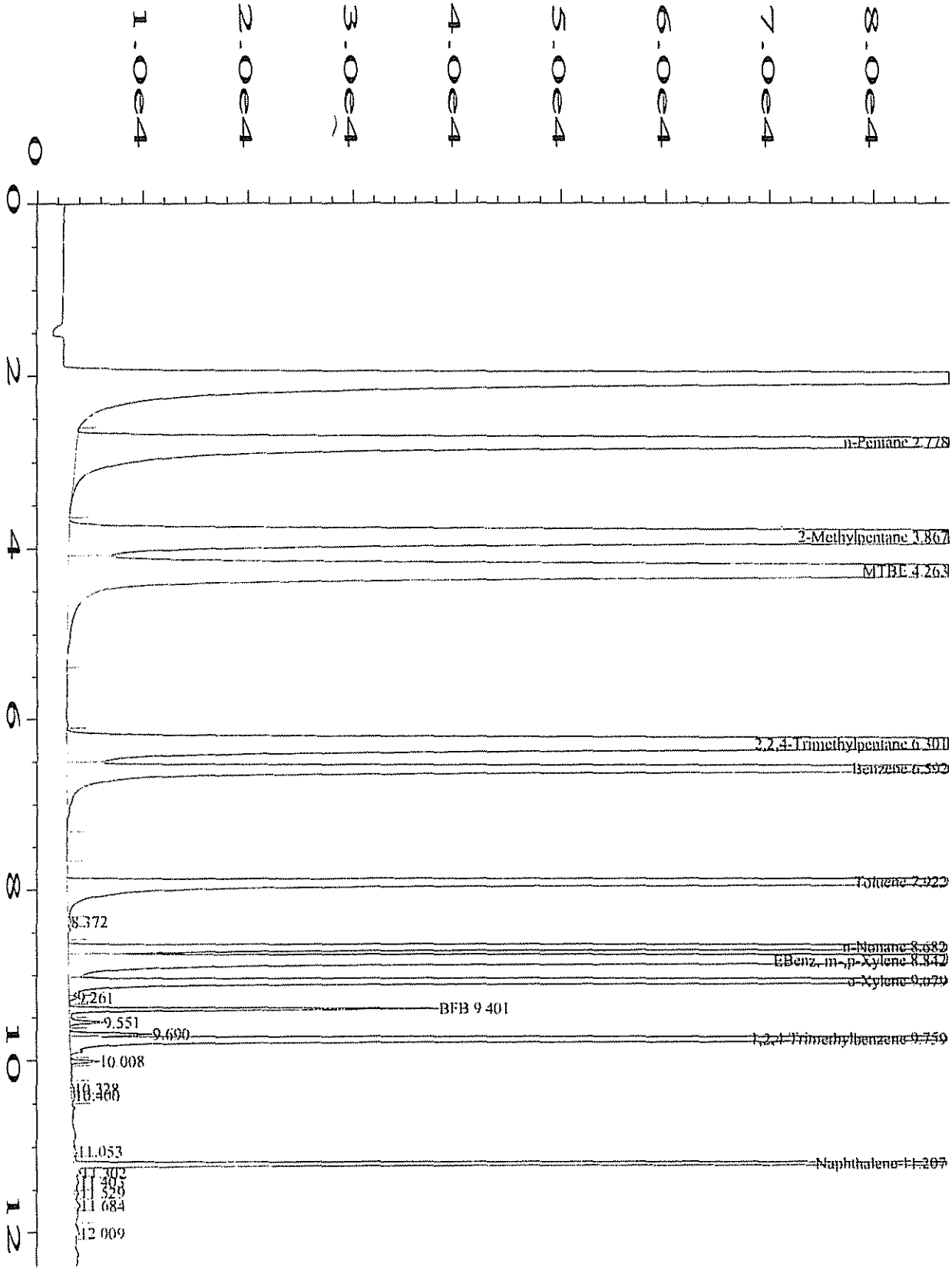
ata File Name : C:\HPCHEM\1\DATA\vp071405\005F0101.D
perator : DCS
nstrument : FID/PID
ample Name : V 500
an Time Bar Code:
cquired on : 14 Jul 05 10:05 AM
eport Created on: 07 Sep 05 02:35 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

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 :

ig. 1 in C:\HPCHEM\1\DATA\vp071405\005F0101.D

et 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 *

alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\vp071405\005F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 5
Sample Name	: V 500	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 14 Jul 05 10:05 AM	Instrument Method:	GAS1.MTH
Report Created on:	07 Sep 05 02:35 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

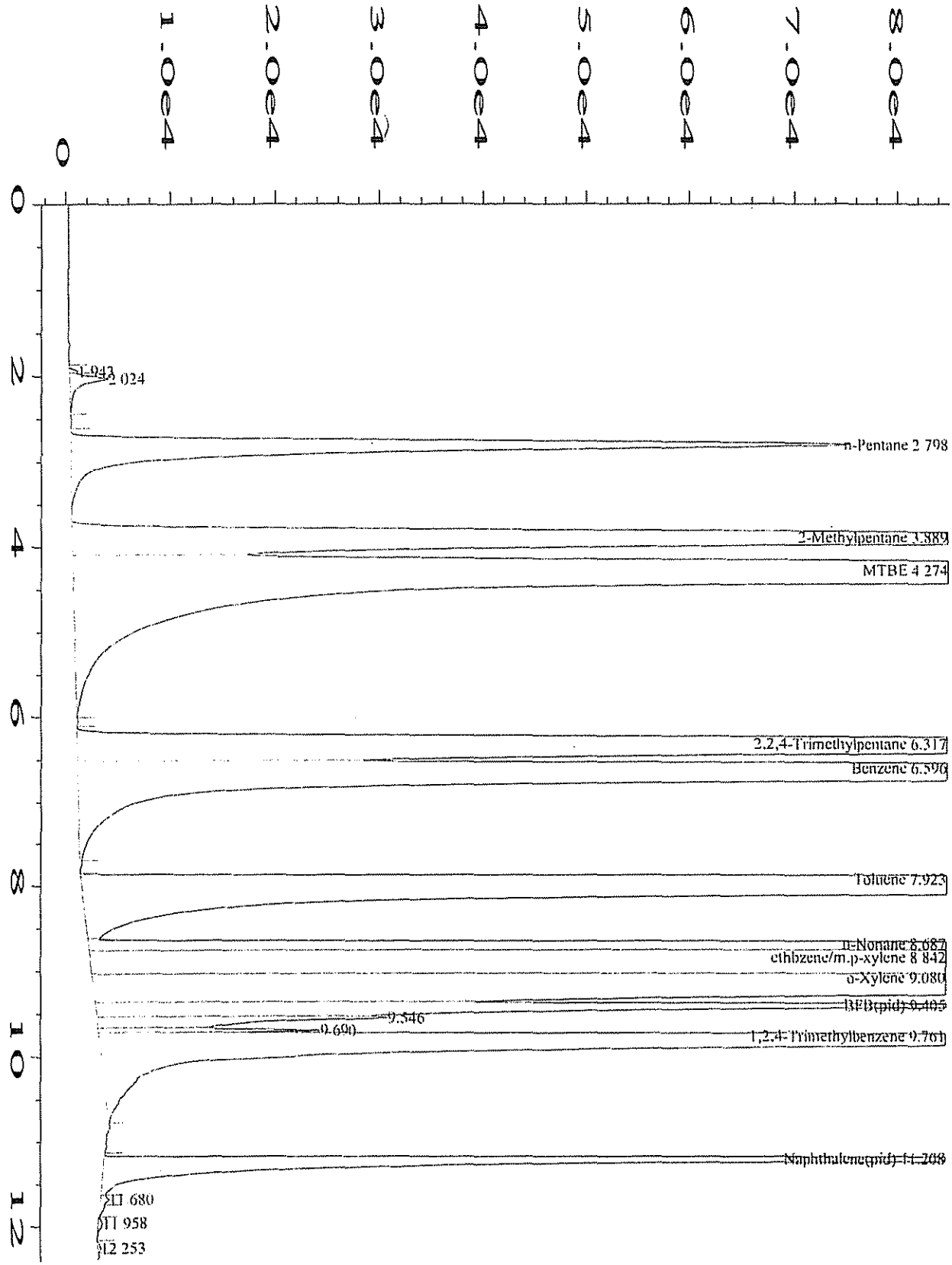
External Standard Report

ıta File Name : C:\HPCHEM\1\DATA\vp071405\005R0101.D
ɔerator : DCS
ıstrument : FID/PID
ample Name : V 500
ın Time Bar Code:
cquired on : 14 Jul 05 10:05 AM
eport Created on: 07 Sep 05 02:35 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 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 :

ig. 2 in C:\HPCHEM\1\DATA\vp071405\005R0101.D

et 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 *



Data File Name : C:\HPCHEM\1\DATA\vp071405\005R0101.D

Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 5
Sample Name	: V 500	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 14 Jul 05 10:05 AM	Instrument Method	: GAS1.MTH
Report Created on	: 07 Sep 05 02:35 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

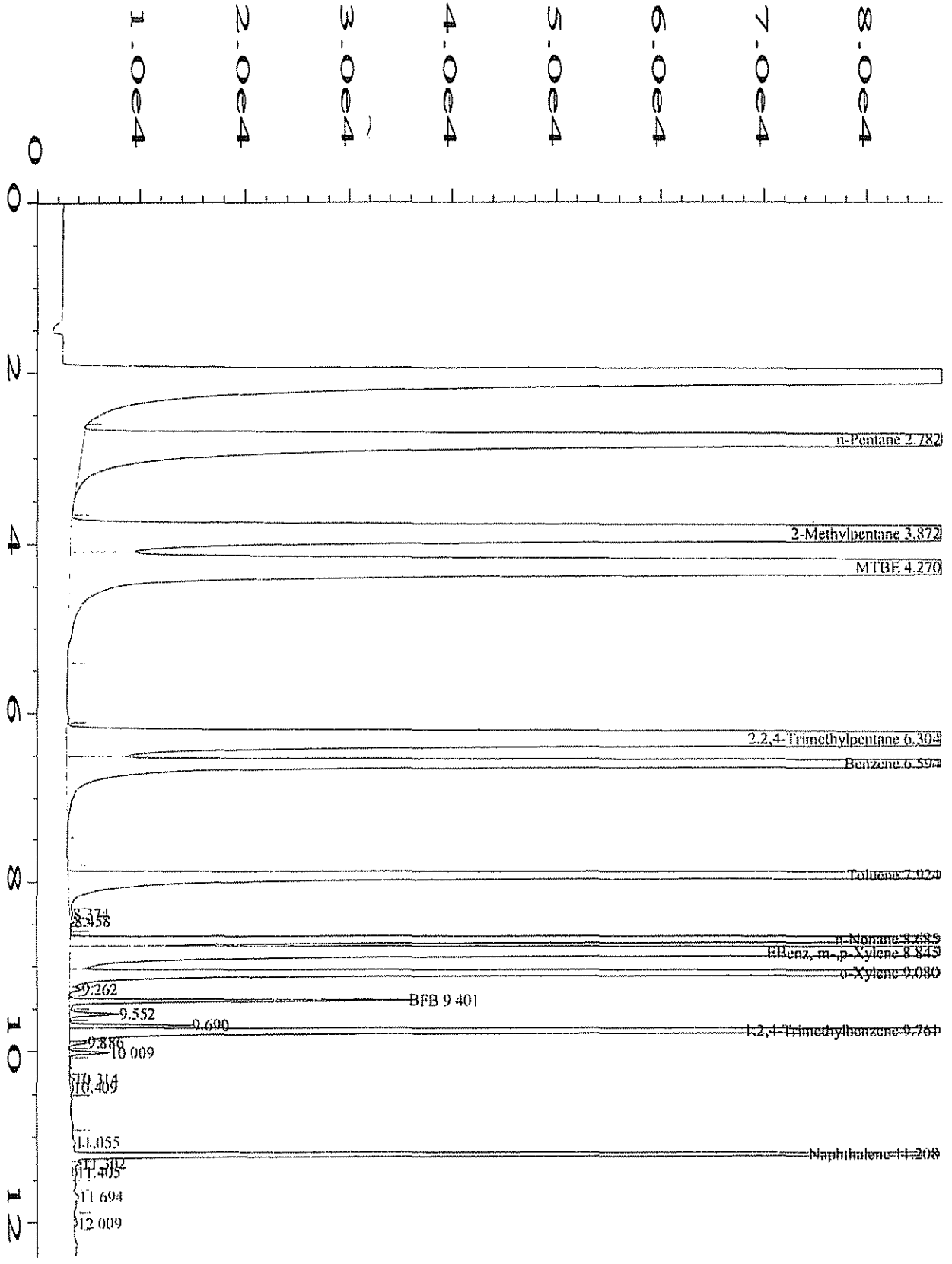
ata File Name : C:\HPCHEM\1\DATA\vp071405\006F0101.D
perator : DCS
nstrument : FID/PID
ample Name : V 750
in Time Bar Code:
cquired on : 14 Jul 05 10:30 AM
eport Created on: 07 Sep 05 02:35 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

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 :

ig. 1 in C:\HPCHEM\1\DATA\vp071405\006F0101.D

et 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
un 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	:

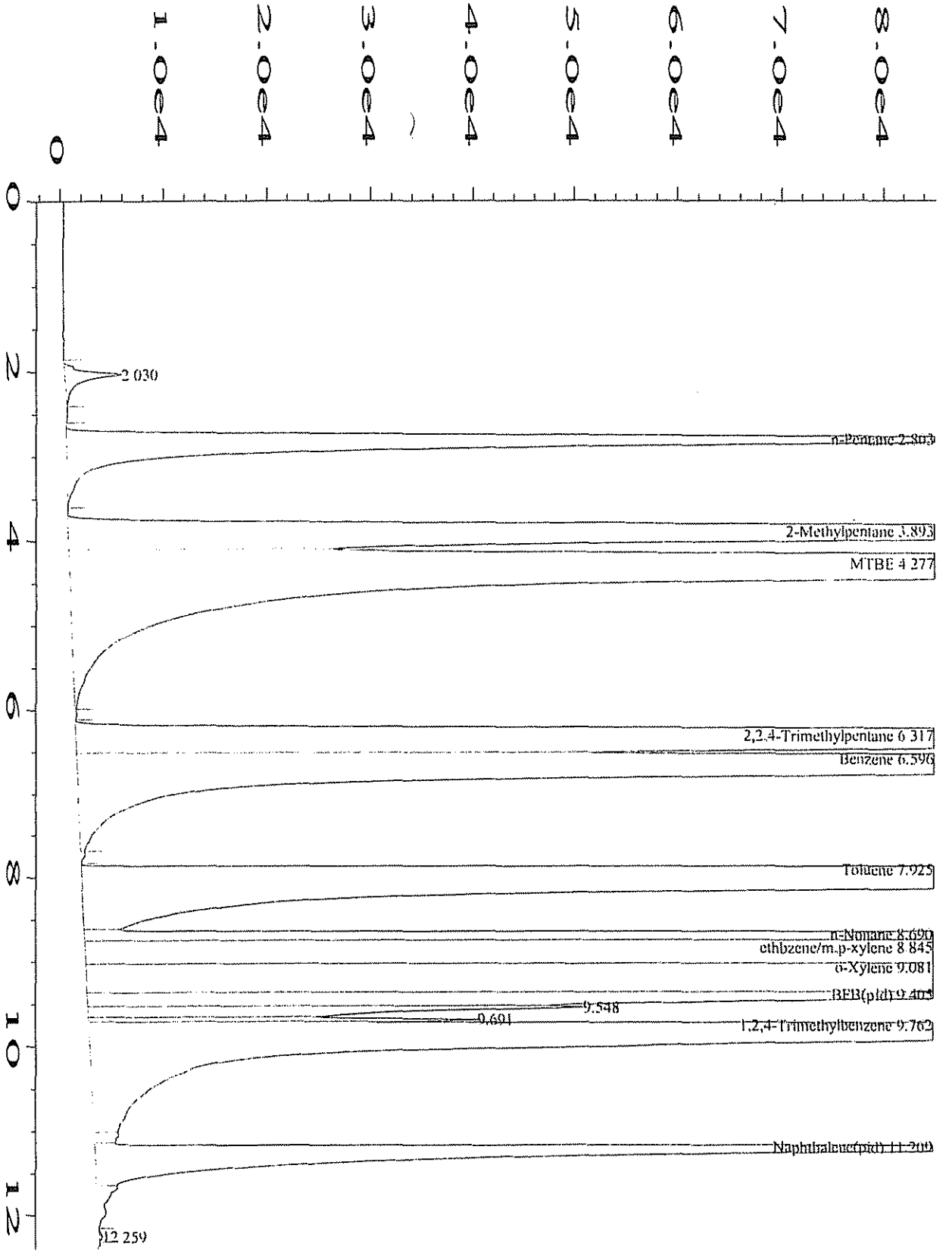
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp071405\006R0101.D
perator : DCS
nstrument : FID/PID
ample Name : V 750
un Time Bar Code:
cquired on : 14 Jul 05 10:30 AM
eport Created on: 07 Sep 05 02:35 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 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 :

ig. 2 in C:\HPCHEM\1\DATA\vp071405\006R0101.D

et 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 *



Data File Name	: C:\HPCHEM\1\DATA\vp071405\006R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 6
Sample Name	: V 750	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 14 Jul 05 10:30 AM	Instrument Method	: GAS1.MTH
Report Created on	: 07 Sep 05 02:35 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

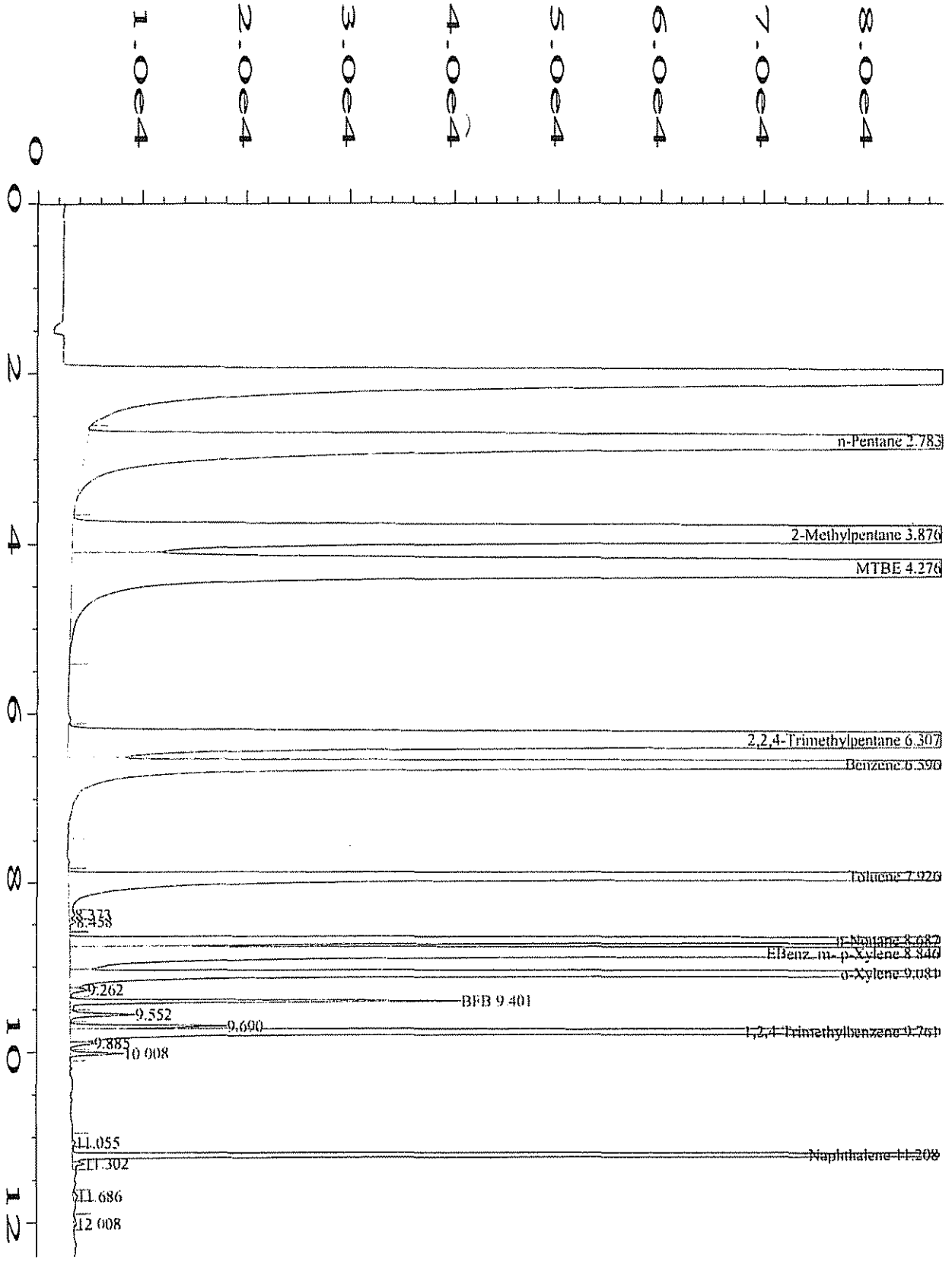
ata File Name : C:\HPCHEM\1\DATA\vp071405\008F0101.D
perator : DCS
nstrument : FID/PID
ample Name : V 1000
un Time Bar Code:
cquired on : 14 Jul 05 11:21 AM
eport Created on: 07 Sep 05 02:35 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

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 :

ig. 1 in C:\HPCHEM\1\DATA\vp071405\008F0101.D

et 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 *

alibration table contains at least one peak with amt = 0



ata File Name	: C:\HPCHEM\1\DATA\vp071405\008F0101.D		
perator	: DCS	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 8
ample Name	: V 1000	Injection Number	: 1
un 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	:

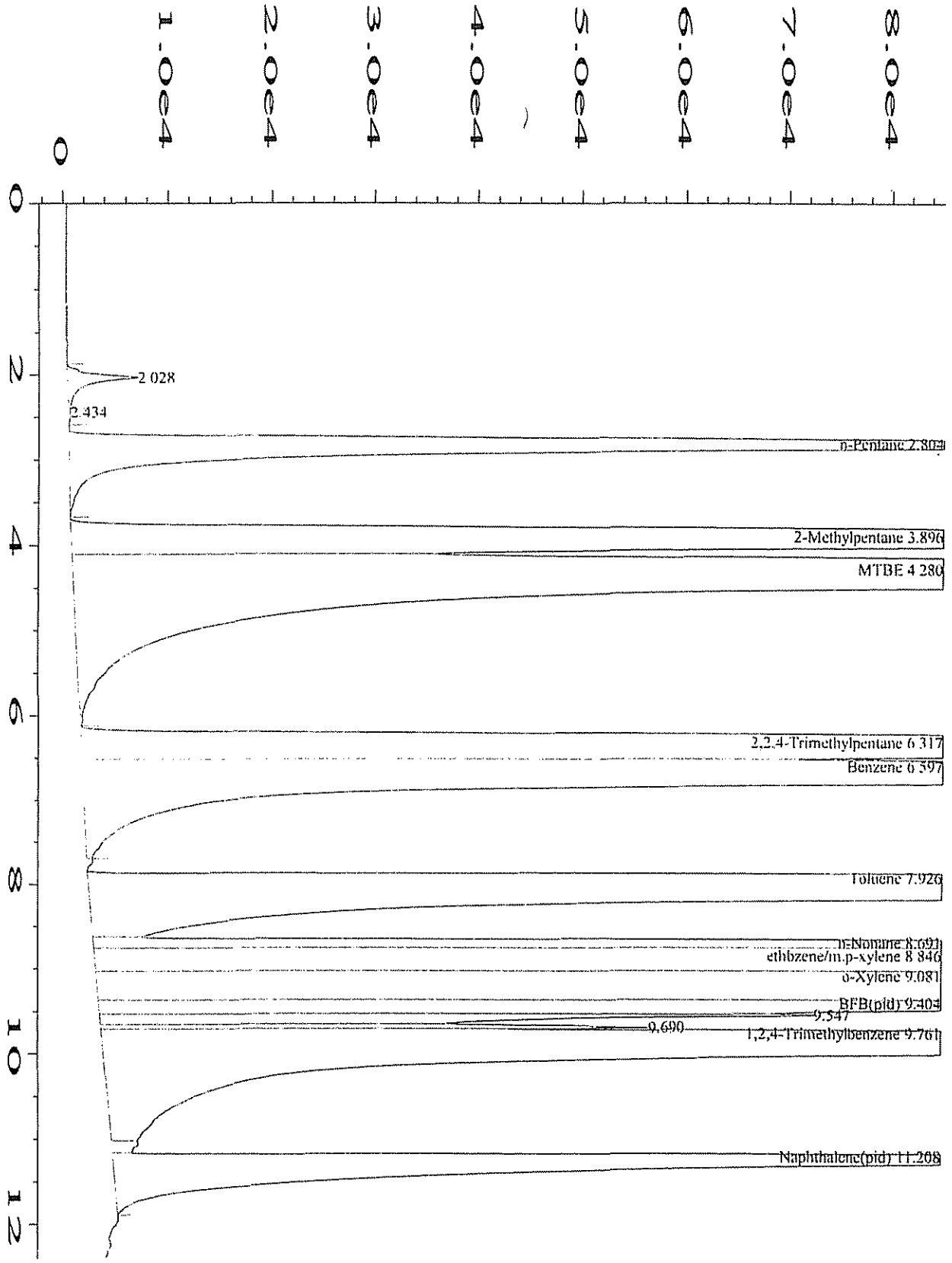
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp071405\008R0101.D
perator : DCS
nstrument : FID/PID
ample Name : V 1000
un Time Bar Code:
cquired on : 14 Jul 05 11:21 AM
eport Created on: 07 Sep 05 02:35 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 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 :

ig. 2 in C:\HPCHEM\1\DATA\vp071405\008R0101.D

et 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 *



ta File Name	: C:\HPCHEM\1\DATA\vp071405\008R0101.D		
erator	: DCS	Page Number	: 1
strument	: FID/PID	Vial Number	: 8
mple Name	: V 1000	Injection Number	: 1
n Time Bar Code:		Sequence Line	: 1
quired on	: 14 Jul 05 11:21 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
ltiplier	: 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: 07/15/05

Calibration Check

Range	Levels (µg/L)	(mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	4.0
C_9-C_{12} Aliphatics	500	50	4.8
C_9-C_{10} Aromatics	500	50	-3.2

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

External Standard Report

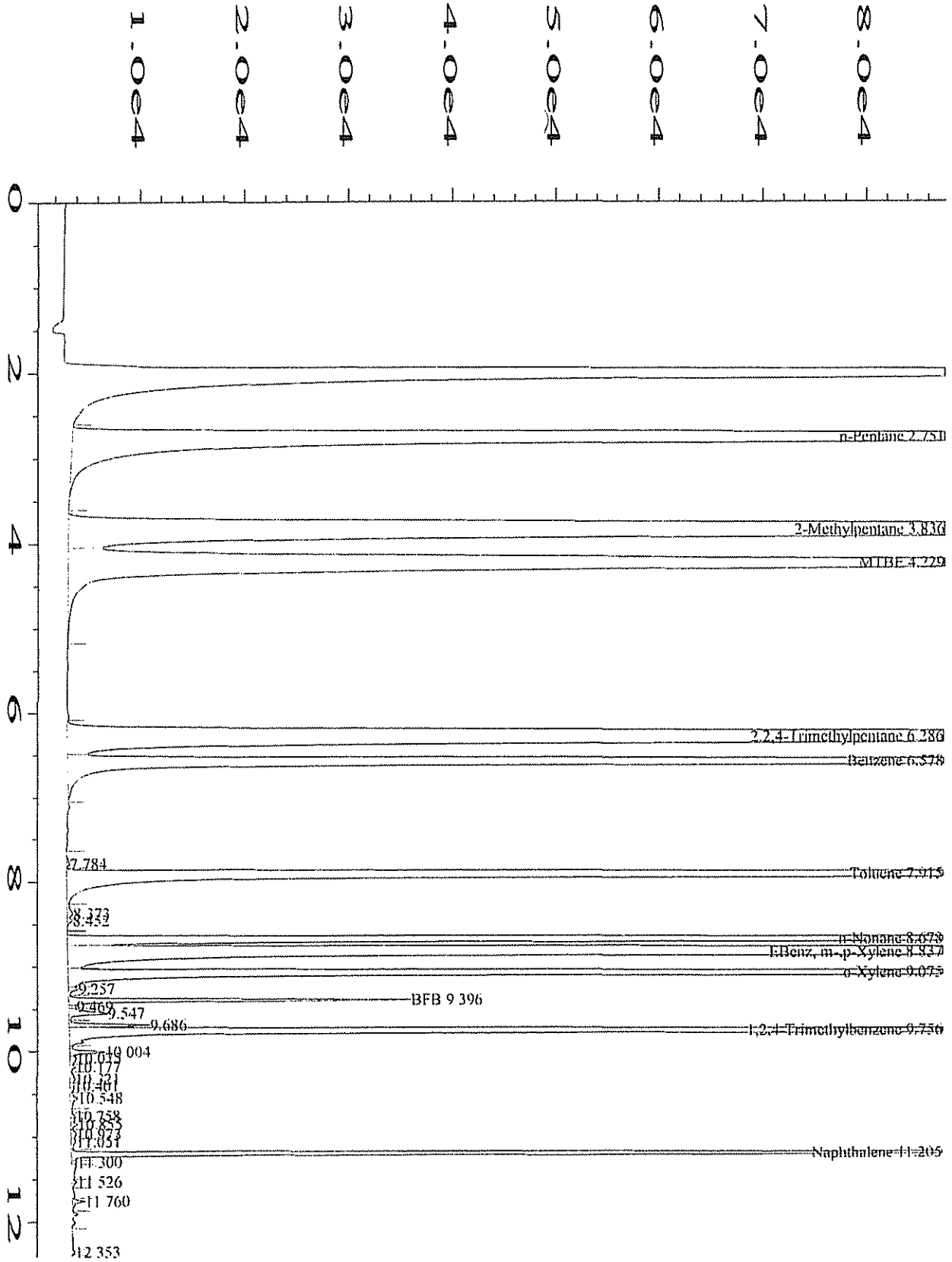
ıta File Name : C:\HPCHEM\1\DATA\vp071505\002F0101.D
)erator : DCS
ıstrument : FID/PID
ımple Name : V 500
ın Time Bar Code:
:quired on : 15 Jul 05 08:49 AM
ɜport Created on: 15 Jul 05 01:08 PM
ıst Recalib on : 24 AUG 04 09:09 AM
ılticplier : 1

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 :

ıg. 1 in C:\HPCHEM\1\DATA\vp071505\002F0101.D

ɜt Time	Area	Type	Width	Ref#	ug/L	Name
2.751	1652326	BV	0.091	1	4004.532	n-Pentane
3.836	2120293	PV	0.119	1	3143.008	2-Methylpentane
4.229	1104627	VB	0.138	1	29501.12	MTBE
6.286	1810373	VV	0.105	1	4407.410	2,2,4-Trimethylpentane
6.578	1245014	VV	0.057	1	1178.376	Benzene
7.915	3406889	VV	0.038	1	3907.206	Toluene
8.678	1636501	BV	0.035	1	2551.968	n-Nonane
8.837	5457508	VV	0.037	1	6851.198	EBenz, m-,p-Xylene
9.075	2145918	VV	0.033	1	2711.256	o-Xylene
9.396	64651	VV	0.031	1	249.033	BFB
9.756	1925526	VV	0.031	1	2717.737	1,2,4-Trimethylbenzene
11.205	545044	VV	0.026	1	-4174.811	Naphthalene
7.784	1398	BV	0.065		13.978	* uncalibrated *
8.373	3359	VV	0.078		33.592	* uncalibrated *
8.452	1750	VB	0.051		17.497	* uncalibrated *
9.257	2828	VV	0.045		28.285	* uncalibrated *
9.469	1418	VV	0.034		14.182	* uncalibrated *
9.547	11061	VV	0.044		110.614	* uncalibrated *
9.686	14906	VV	0.030		149.064	* uncalibrated *
10.004	8089	VV	0.037		80.895	* uncalibrated *
10.075	2714	VV	0.064		27.139	* uncalibrated *
10.177	1543	VV	0.043		15.430	* uncalibrated *
10.321	2419	VV	0.063		24.190	* uncalibrated *
10.401	1273	VV	0.052		12.731	* uncalibrated *
10.548	3772	VV	0.076		37.725	* uncalibrated *
10.758	1184	VV	0.043		11.843	* uncalibrated *
10.855	1893	VV	0.043		18.931	* uncalibrated *
10.973	2434	VV	0.065		24.341	* uncalibrated *
11.051	2097	VV	0.063		20.970	* uncalibrated *
11.300	1260	VV	0.034		12.595	* uncalibrated *
11.526	1399	VV	0.044		13.993	* uncalibrated *
11.760	2882	VV	0.037		28.816	* uncalibrated *
12.353	1457	BBA	0.070		14.569	* uncalibrated *

ɜlibration table contains at least one peak with amt = 0



ata File Name : C:\HPCHEM\1\DATA\vp071505\002F0101.D
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nstrument : FID/PID
ample Name : V 500
un Time Bar Code:
cquired on : 15 Jul 05 08:49 AM
eport Created on: 15 Jul 05 01:08 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 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 :

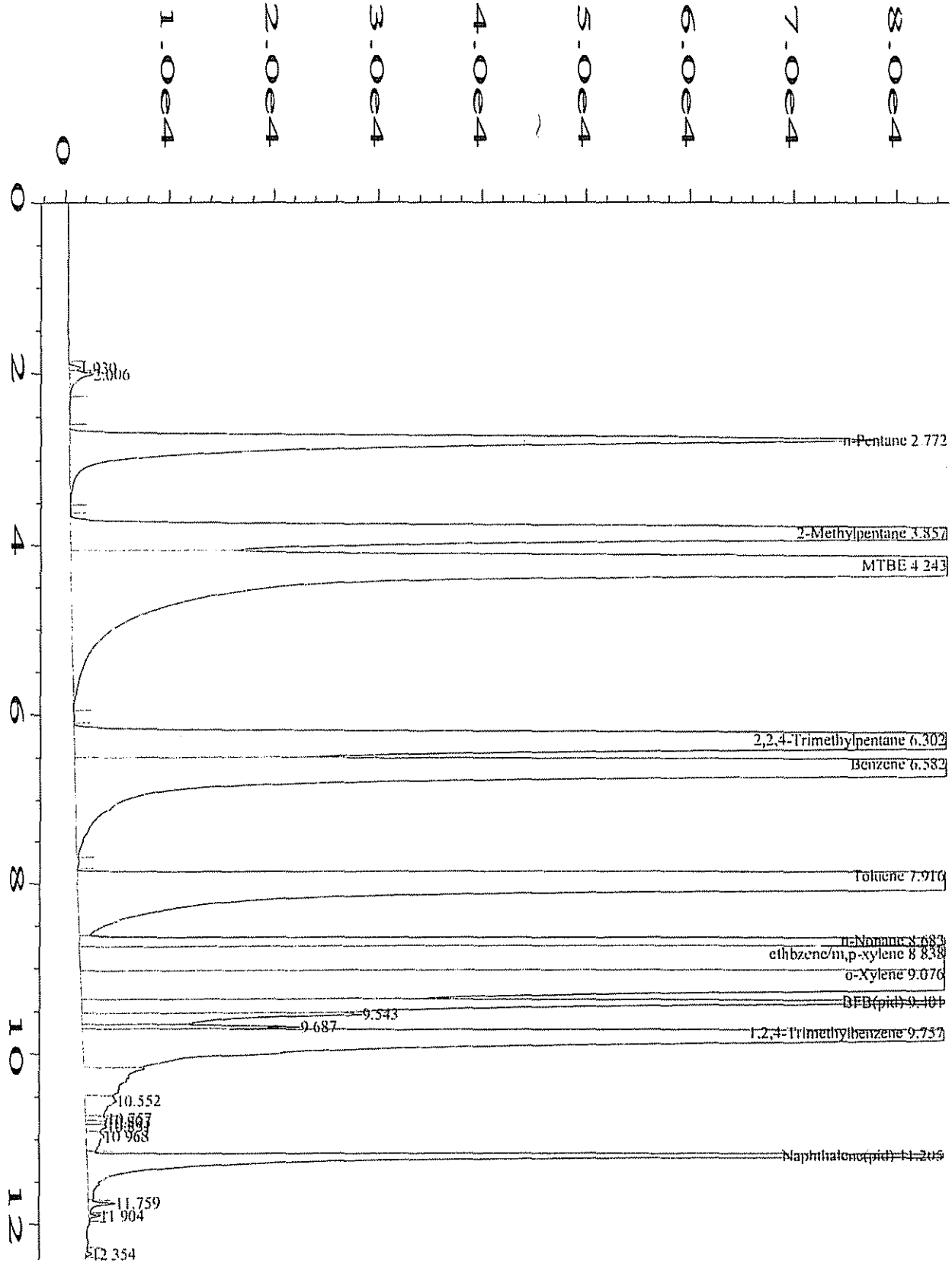
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp071505\002R0101.D
perator : DCS
nstrument : FID/PID
ample Name : V 500
un Time Bar Code:
cquired on : 15 Jul 05 08:49 AM
eport Created on: 15 Jul 05 01:08 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 2
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\vp071505\002R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.772	667176	BB	0.126	1	106.390	n-Pentane
3.857	1647169	BV	0.144	1	174.428	2-Methylpentane
4.243	4711441	VV	0.165	1	156.304	MTBE
6.302	2824584	PV	0.130	1	185.637	2,2,4-Trimethylpentane
6.582	6510351	VV	0.080	1	81.826	Benzene
7.916	1.08389E+007	PV	0.053	1	265.634	Toluene
8.683	1230115	VV	0.047	1	181.239	n-Nonane
8.838	1.52092E+007	VV	0.051	1	449.642	ethbzene/m,p-xylene
9.076	7132017	VV	0.050	1	184.131	o-Xylene
9.401	644896	VV	0.053	1	43.405	BFB(pid)
9.757	4932223	VV	0.039	1	160.647	1,2,4-Trimethylbenzene
11.205	1594878	VV	0.031	1	91.121	Naphthalene(pid)
1.930	3304	BV	0.047		33.039	* uncalibrated *
2.006	12947	VV	0.076		129.466	* uncalibrated *
9.543	130589	VV	0.065		1305.891	* uncalibrated *
9.687	52891	VV	0.037		528.907	* uncalibrated *
10.552	33275	VV	0.135		332.755	* uncalibrated *
10.757	6814	VV	0.045		68.143	* uncalibrated *
10.803	5201	VV	0.044		52.007	* uncalibrated *
10.851	8399	VV	0.057		83.991	* uncalibrated *
10.968	18025	VV	0.139		180.245	* uncalibrated *
11.759	6904	VV	0.038		69.045	* uncalibrated *
11.904	2354	VV	0.034		23.543	* uncalibrated *
12.354	1524	VBA	0.042		15.238	* uncalibrated *



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un Time Bar Code:		Sequence Line	: 1
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ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

VPH QC, Blanks Raw Data

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp071505\006F0101.D
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ample Name : vblk4071505a
un Time Bar Code:
cquired on : 15 Jul 05 10:31 AM
eport Created on: 15 Jul 05 01:09 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

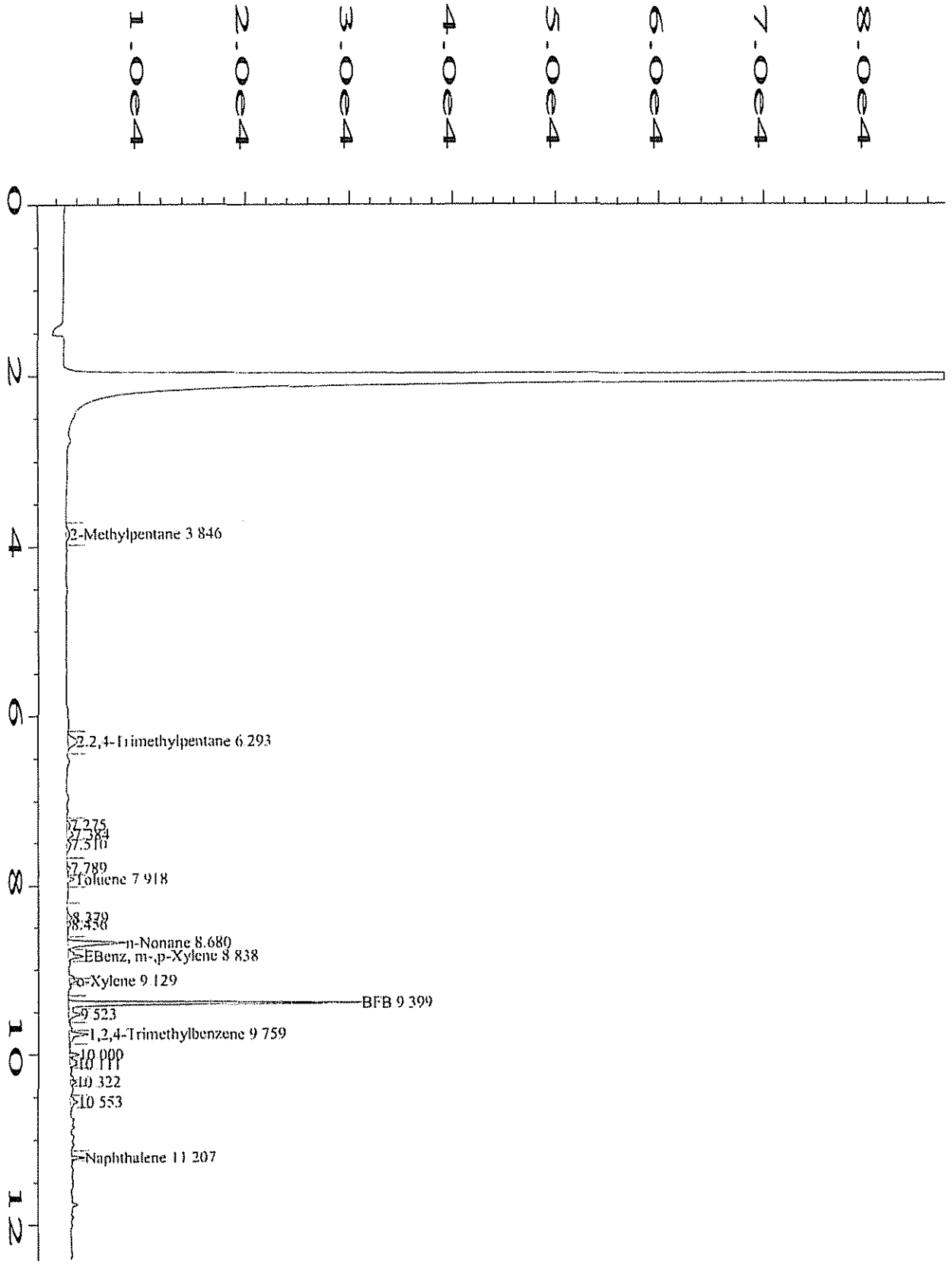
Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp071505\006F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.778	* not found *			1		n-Pentane
3.846	2397	BV	0.098	1	0.426	2-Methylpentane
4.282	* not found *			1		MTBE
6.293	5611	BV	0.097	1	1.078	2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.918	1774	VV	0.042	1	0.188	Toluene
8.680	15773	BV	0.043	1	3.958	n-Nonane
8.838	4774	VV	0.046	1	0.467	EBenz, m-,p-Xylene
9.129	1866	VV	0.043	1	0.185	o-Xylene
9.399	52258	BV	0.029	1	201.294	BFB
9.759	5542	VV	0.043	1	0.590	1,2,4-Trimethylbenzene
11.207	2108	PV	0.027	1	0.497	Naphthalene
7.275	1390	BV	0.067		13.898	* uncalibrated *
7.384	3038	VV	0.074		30.382	* uncalibrated *
7.510	2325	VB	0.086		23.255	* uncalibrated *
7.789	1254	BV	0.056		12.538	* uncalibrated *
8.379	1976	BV	0.059		19.756	* uncalibrated *
8.456	1424	VB	0.059		14.241	* uncalibrated *
9.523	4646	VV	0.058		46.458	* uncalibrated *
10.000	2149	VV	0.037		21.493	* uncalibrated *
10.111	2900	VV	0.070		29.005	* uncalibrated *
10.322	1461	VV	0.037		14.611	* uncalibrated *
10.553	2898	VV	0.053		28.984	* uncalibrated *

'alibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



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eport Created on:	15 Jul 05 01:09 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

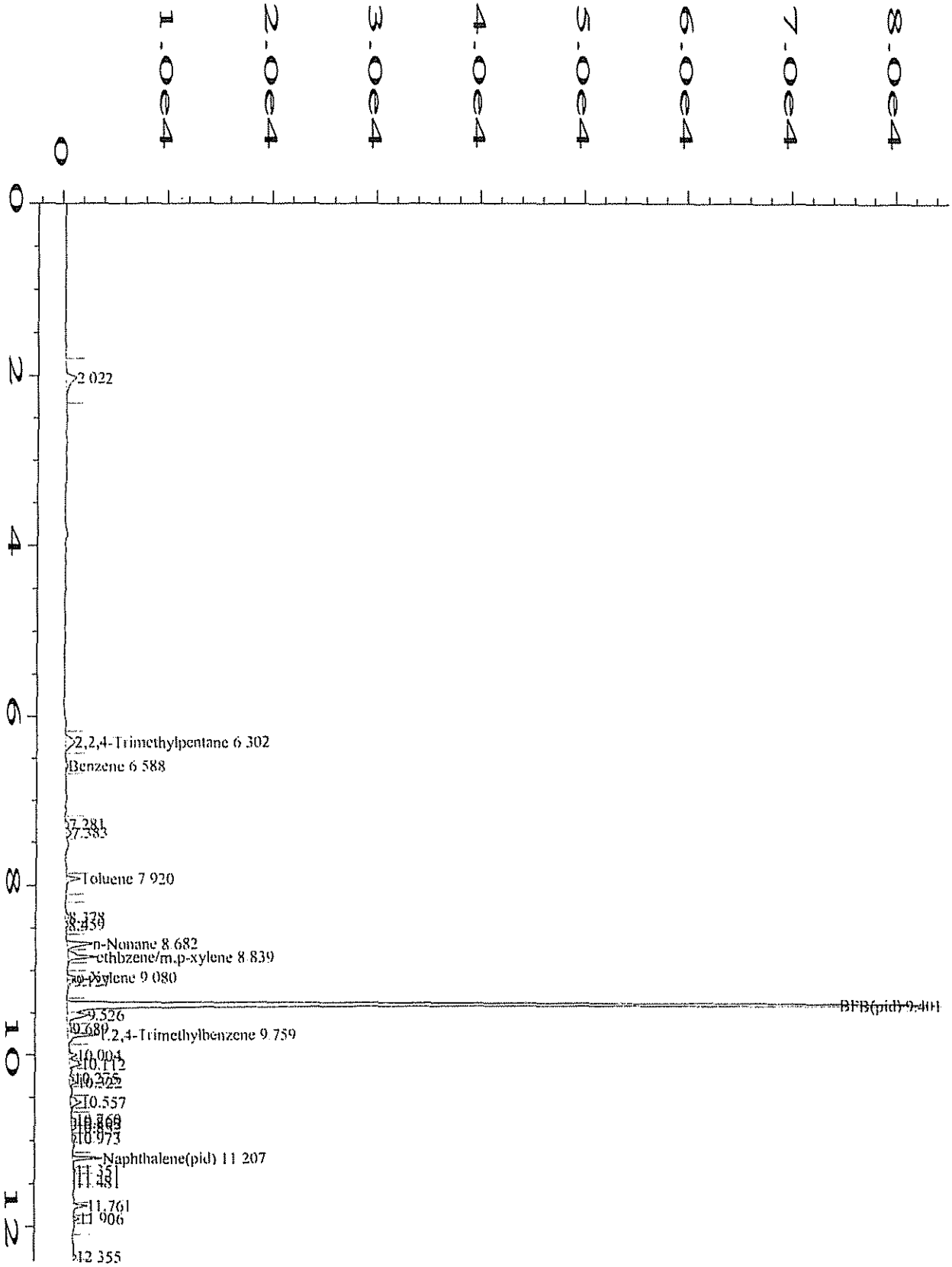
ıta File Name : C:\HPCHEM\1\DATA\vp071505\006R0101.D
ɔerator : DCS
ıstrument : FID/PID
ımple Name : vblk4071505a
ın Time Bar Code:
ɔquired on : 15 Jul 05 10:31 AM
ɜport Created on: 15 Jul 05 01:09 PM
ıst Recalib on : 24 AUG 04 09:09 AM
ıltiplier : 1

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 :

ıg. 2 in C:\HPCHEM\1\DATA\vp071505\006R0101.D

ɜt 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
6.302	6029	BV	0.104	1	0.396	2,2,4-Trimethylpentane
6.588	1560	VV	0.087	1	0.0196	Benzene
7.920	3961	BB	0.045	1	0.0971	Toluene
8.682	7083	BV	0.044	1	1.044	n-Nonane
8.839	8042	VV	0.042	1	0.238	ethbzene/m,p-xylene
9.080	2057	BV	0.037	1	0.0531	o-Xylene
9.401	232217	BV	0.032	1	15.629	BFB(pid)
9.759	8201	VV	0.040	1	0.267	1,2,4-Trimethylbenzene
11.207	5440	VV	0.029	1	0.311	Naphthalene(pid)
2.022	6723	BB	0.089		67.227	* uncalibrated *
7.281	1238	PV	0.062		12.385	* uncalibrated *
7.383	2143	VV	0.073		21.426	* uncalibrated *
8.378	1294	BV	0.063		12.945	* uncalibrated *
8.459	700	VB	0.048		7.003	* uncalibrated *
9.127	1481	VV	0.043		14.811	* uncalibrated *
9.526	7429	VV	0.060		74.292	* uncalibrated *
9.689	1585	VV	0.048		15.851	* uncalibrated *
10.004	2466	VV	0.046		24.658	* uncalibrated *
10.112	4512	VV	0.054		45.121	* uncalibrated *
10.275	1078	VV	0.039		10.781	* uncalibrated *
10.322	1728	VV	0.035		17.282	* uncalibrated *
10.557	4274	VV	0.055		42.737	* uncalibrated *
10.760	1243	PV	0.041		12.427	* uncalibrated *
10.802	1076	VV	0.033		10.761	* uncalibrated *
10.852	1068	VV	0.035		10.680	* uncalibrated *
10.973	1705	PV	0.062		17.052	* uncalibrated *
11.351	468	PV	0.032		4.679	* uncalibrated *
11.481	583	VV	0.050		5.832	* uncalibrated *
11.761	2952	VV	0.033		29.521	* uncalibrated *
11.906	944	PV	0.030		9.442	* uncalibrated *
12.355	1296	BBA	0.058		12.955	* uncalibrated *

ot all calibrated peaks were found



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un Time Bar Code:		Sequence Line	: 1
cquired on	: 15 Jul 05 10:31 AM	Instrument Method	: GAS1.MTH
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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\vp071805\007F0101.D
ɔerator : DCS
ıstrument : FID/PID
ımple Name : g161-2066-3d ms
ın Time Bar Code:
ɔquired on : 18 Jul 05 12:49 PM
ɜport Created on: 19 Jul 05 08:01 AM
ıst Recalib on : 24 AUG 04 09:09 AM
ıltiplier : 1

Page Number : 1
Vial Number : 7
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

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562

ig. 1 in C:\HPCHEM\1\DATA\vp071805\007F0101.D

ɜt Time	Area	Type	Width	Ref#	ug/L	Name
2.758	51883	BV	0.088	1	51.750	n-Pentane
3.847	79822	PV	0.132	1	14.177	2-Methylpentane
4.185	73639	VV	0.162	1	172.621	MTBE
6.291	67893	VV	0.113	1	13.041	2,2,4-Trimethylpentane
6.582	76658	VV	0.087	1	9.716	Benzene
7.916	245667	VV	0.040	1	26.078	Toluene
8.678	20455	VV	0.044	1	5.132	n-Nonane
8.836	242822	VV	0.040	1	23.737	EBenz, m-,p-Xylene
9.075	82189	VV	0.036	1	8.160	o-Xylene
9.398	89649	PV	0.030	1	345.326	BFB
9.755	107774	VV	0.033	1	11.471	1,2,4-Trimethylbenzene
11.205	9945	VV	0.040	1	2.347	Naphthalene
2.983	19376	PV	0.071		193.755	* uncalibrated *
3.180	34783	VV	0.110		347.827	* uncalibrated *
4.506	40997	VV	0.110		409.973	* uncalibrated *
4.825	28643	PV	0.173		286.427	* uncalibrated *
5.073	16565	VV	0.116		165.647	* uncalibrated *
5.197	14404	VV	0.109		144.037	* uncalibrated *
5.453	28079	VV	0.107		280.791	* uncalibrated *
5.774	2233	PV	0.093		22.334	* uncalibrated *
5.941	24582	VV	0.087		245.815	* uncalibrated *
6.069	57862	VV	0.123		578.616	* uncalibrated *
6.723	11098	VV	0.074		110.979	* uncalibrated *
6.812	9029	VV	0.065		90.290	* uncalibrated *
6.969	21731	VV	0.108		217.309	* uncalibrated *
7.106	14372	VV	0.072		143.721	* uncalibrated *
7.273	28759	VV	0.073		287.590	* uncalibrated *
7.380	45253	VV	0.076		452.528	* uncalibrated *
7.515	28159	VV	0.079		281.589	* uncalibrated *
7.787	18249	VV	0.064		182.495	* uncalibrated *
8.050	10373	VV	0.120		103.734	* uncalibrated *
8.373	15069	VV	0.065		150.693	* uncalibrated *
8.455	6932	VV	0.045		69.320	* uncalibrated *
8.537	1683	VV	0.050		16.827	* uncalibrated *
9.198	2530	VV	0.035		25.302	* uncalibrated *
9.259	6241	VV	0.041		62.408	* uncalibrated *
9.522	131016	VV	0.047		1310.156	* uncalibrated *
9.686	22716	VV	0.037		227.164	* uncalibrated *
9.886	3886	VV	0.049		38.862	* uncalibrated *
10.004	23551	VV	0.033		235.513	* uncalibrated *
10.109	41916	VV	0.053		419.156	* uncalibrated *

ıta File Name : C:\HPCHEM\1\DATA\vp071805\007F0101.D
perator : DCS
ıstrument : FID/PID
ample Name : g161-2066-3d ms
ın Time Bar Code:
cquired on : 18 Jul 05 12:49 PM
eport Created on: 19 Jul 05 08:01 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 7
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.177	15567	VV	0.039	155.674	* uncalibrated *
10.268	15907	VV	0.040	159.070	* uncalibrated *
10.319	18227	VV	0.038	182.265	* uncalibrated *
10.394	5043	VV	0.042	50.433	* uncalibrated *
10.442	3856	VV	0.035	38.560	* uncalibrated *
10.554	31663	VV	0.066	316.633	* uncalibrated *
10.640	3908	VV	0.039	39.077	* uncalibrated *
10.700	3176	VV	0.045	31.758	* uncalibrated *
10.758	15168	VV	0.060	151.678	* uncalibrated *
10.850	9702	VV	0.039	97.017	* uncalibrated *
10.967	9720	VV	0.066	97.200	* uncalibrated *
11.050	7561	VV	0.058	75.615	* uncalibrated *
11.267	2775	VV	0.059	27.751	* uncalibrated *
11.347	3300	VV	0.049	32.997	* uncalibrated *
11.398	2410	VV	0.044	24.102	* uncalibrated *
11.524	6828	VV	0.073	68.283	* uncalibrated *
11.759	8535	VV	0.081	85.346	* uncalibrated *
11.905	1851	VV	0.054	18.510	* uncalibrated *
12.007	1867	VV	0.047	18.674	* uncalibrated *

:alibration table contains at least one peak with amt = 0

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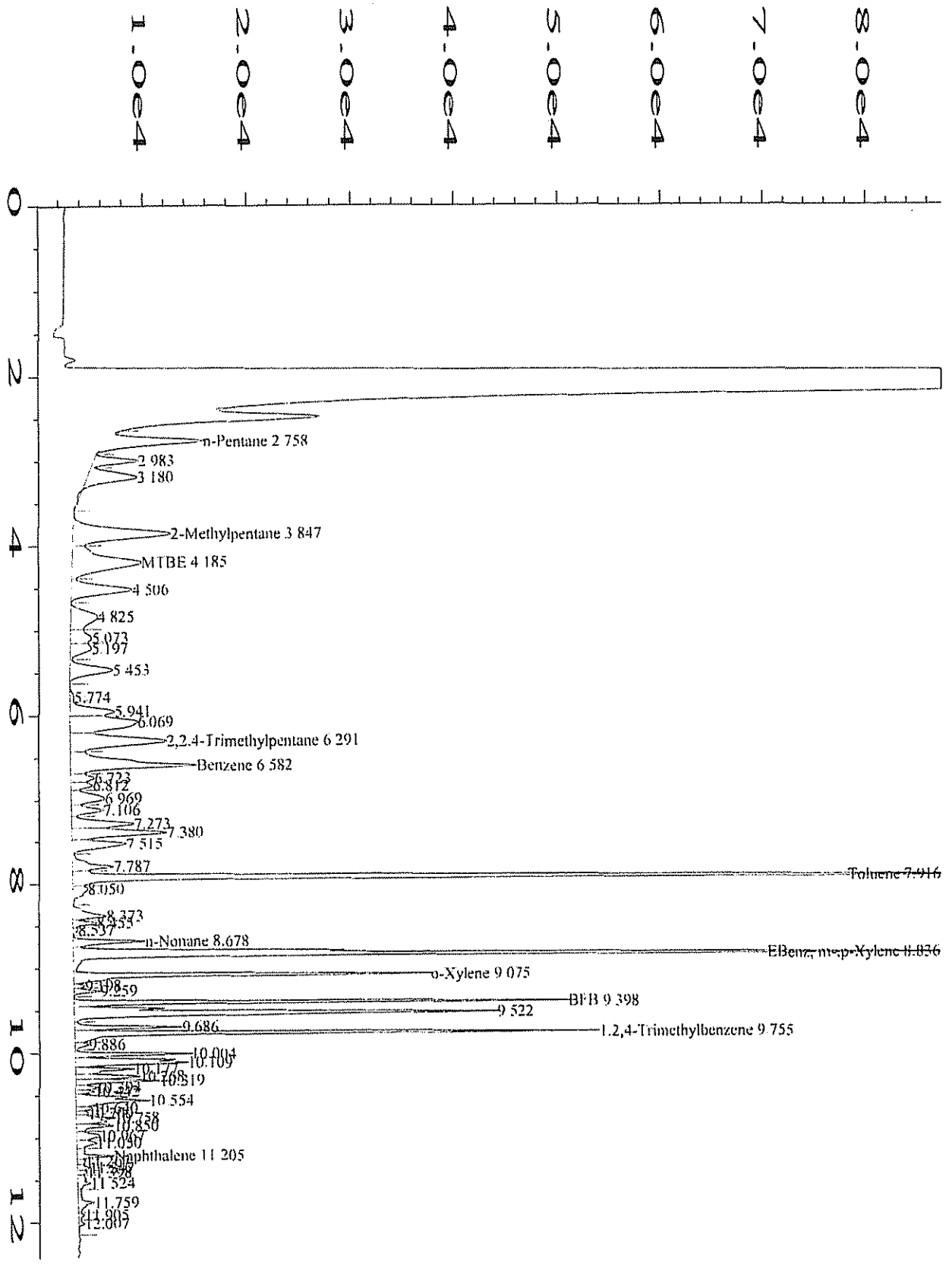

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Acquired on	: 18 Jul 05 12:49 PM	Instrument Method:	GAS1.MTH
Report Created on:	19 Jul 05 08:01 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp071805\007R0101.D
perator : DCS
nstrument : FID/PID
ample Name : g161-2066-3d ms
un Time Bar Code:
cquired on : 18 Jul 05 12:49 PM
eport Created on: 19 Jul 05 08:01 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 7
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\vp071805\007R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.810	70446	VV	0.142	1	11.234	n-Pentane
3.859	69697	VV	0.147	1	7.381	2-Methylpentane
4.244	96346	VV	0.162	1	3.196	MTBE
6.302	90161	VV	0.128	1	5.926	2,2,4-Trimethylpentane
6.593	255176	VV	0.080	1	3.207	Benzene
7.920	672115	VV	0.045	1	16.472	Toluene
8.681	12857	VV	0.052	1	1.894	n-Nonane
8.837	543663	VV	0.042	1	16.073	ethbzene/m,p-xylene
9.076	151575	VV	0.037	1	3.913	o-Xylene
9.400	463490	VV	0.049	1	31.195	BFB(pid)
9.756	204771	VV	0.034	1	6.670	1,2,4-Trimethylbenzene
11.205	18236	VV	0.035	1	1.042	Naphthalene(pid)
2.043	91610	BV	0.073		916.099	* uncalibrated *
2.146	37803	VV	0.080		378.030	* uncalibrated *
2.501	73048	VV	0.141		730.484	* uncalibrated *
2.990	70422	VV	0.087		704.216	* uncalibrated *
3.184	109787	VV	0.141		1097.873	* uncalibrated *
4.042	21612	VV	0.092		216.122	* uncalibrated *
4.492	41590	VV	0.141		415.903	* uncalibrated *
4.823	53617	VV	0.176		536.167	* uncalibrated *
5.068	16335	VV	0.099		163.352	* uncalibrated *
5.202	26163	VV	0.122		261.627	* uncalibrated *
5.465	17135	VV	0.117		171.347	* uncalibrated *
5.771	2733	PV	0.091		27.332	* uncalibrated *
6.065	76475	VV	0.139		764.746	* uncalibrated *
6.811	14625	VV	0.066		146.249	* uncalibrated *
6.980	21033	VV	0.098		210.328	* uncalibrated *
7.113	21345	VV	0.076		213.455	* uncalibrated *
7.280	35515	VV	0.071		355.151	* uncalibrated *
7.382	61402	VV	0.085		614.019	* uncalibrated *
7.522	32636	VV	0.096		326.363	* uncalibrated *
7.785	19996	VV	0.087		199.965	* uncalibrated *
8.366	16585	VV	0.088		165.853	* uncalibrated *
8.457	9599	VV	0.063		95.990	* uncalibrated *
9.198	2199	VV	0.037		21.986	* uncalibrated *
9.260	9874	VV	0.039		98.737	* uncalibrated *
9.525	230800	VV	0.052		2307.995	* uncalibrated *
9.687	36712	VV	0.038		367.117	* uncalibrated *
9.885	7453	VV	0.055		74.534	* uncalibrated *
10.005	37468	VV	0.035		374.678	* uncalibrated *
10.109	71642	VV	0.052		716.422	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp071805\007R0101.D
perator : DCS
nstrument : FID/PID
ample Name : g161-2066-3d ms
an Time Bar Code:
cquired on : 18 Jul 05 12:49 PM
eport Created on: 19 Jul 05 08:01 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 7
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.178	25340	VV	0.039	253.399	* uncalibrated *
10.269	25777	VV	0.041	257.773	* uncalibrated *
10.319	27188	VV	0.038	271.880	* uncalibrated *
10.395	6699	VV	0.044	66.991	* uncalibrated *
10.443	5967	VV	0.036	59.674	* uncalibrated *
10.556	52713	VV	0.057	527.129	* uncalibrated *
10.641	5535	VV	0.039	55.352	* uncalibrated *
10.758	28469	VV	0.069	284.689	* uncalibrated *
10.850	14019	VV	0.039	140.192	* uncalibrated *
10.969	15197	VV	0.067	151.973	* uncalibrated *
11.052	11006	VV	0.088	110.057	* uncalibrated *
11.264	4241	VV	0.057	42.413	* uncalibrated *
11.348	5010	VV	0.050	50.098	* uncalibrated *
11.399	3194	VV	0.044	31.942	* uncalibrated *
11.479	4951	VV	0.060	49.510	* uncalibrated *
11.526	7268	VV	0.080	72.679	* uncalibrated *
11.759	13201	VV	0.068	132.006	* uncalibrated *
11.904	4144	VV	0.050	41.444	* uncalibrated *
12.198	1355	VV	0.060	13.551	* uncalibrated *
12.351	469	PBA	0.032	4.694	* uncalibrated *

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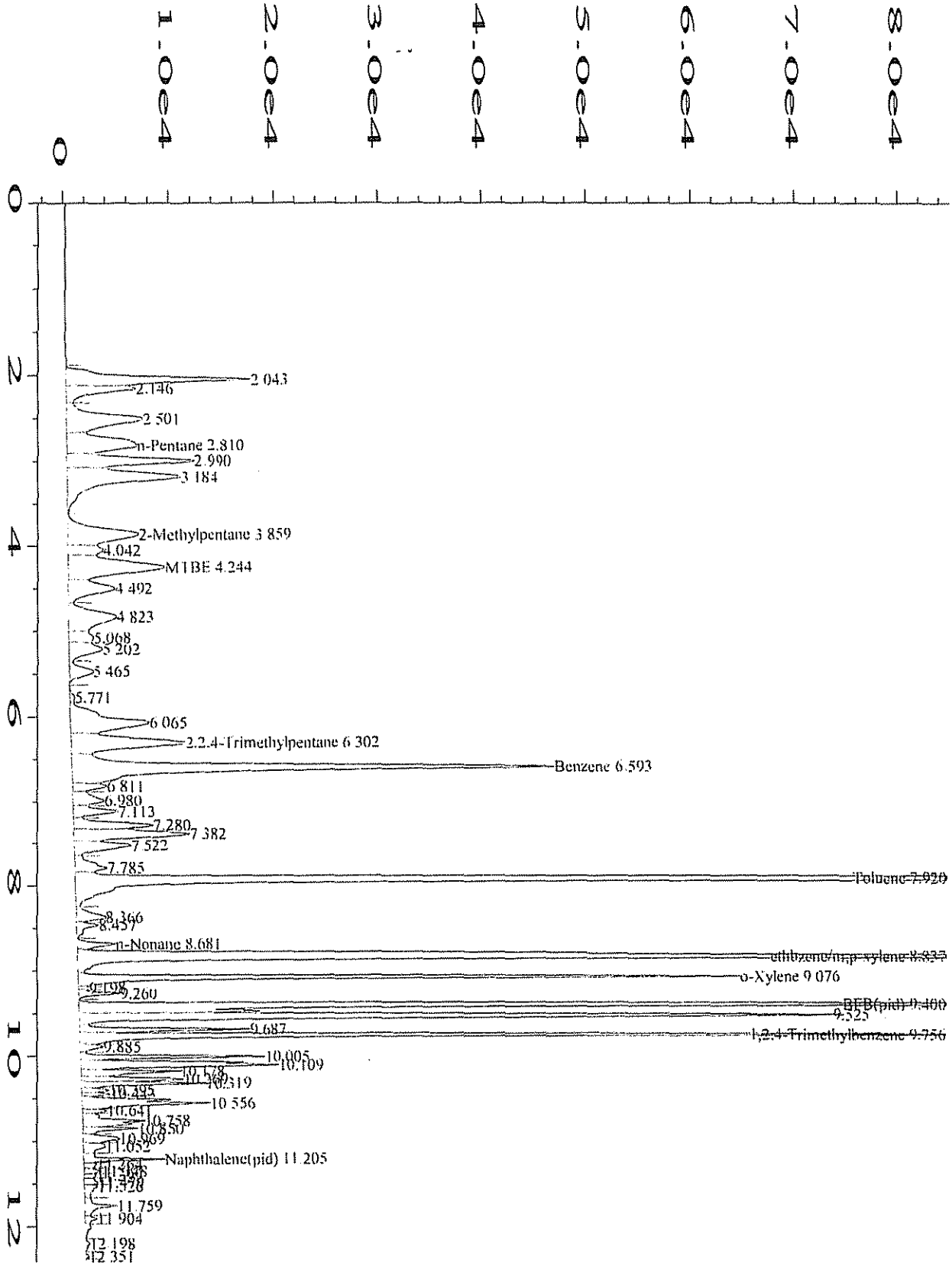

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Acquired on	: 18 Jul 05 12:49 PM	Instrument Method	: GAS1.MTH
Report Created on	: 19 Jul 05 08:01 AM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

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un Time Bar Code:
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eport Created on: 19 Jul 05 08:01 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 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 :

ig. 1 in C:\HPCHEM\1\DATA\vp071805\008F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.757	40728	BV	0.086	1	40.624	n-Pentane
3.847	70304	PV	0.129	1	12.487	2-Methylpentane
4.186	66671	VV	0.164	1	156.285	MTBE
6.292	63395	VV	0.114	1	12.177	2,2,4-Trimethylpentane
6.582	73000	VV	0.088	1	9.252	Benzene
7.916	229726	VV	0.040	1	24.386	Toluene
8.677	16073	VV	0.047	1	4.033	n-Nonane
8.835	228039	VV	0.040	1	22.292	EBenz, m-,p-Xylene
9.074	77589	VV	0.036	1	7.703	o-Xylene
9.397	88924	PV	0.029	1	342.533	BFB
9.755	102525	VV	0.033	1	10.912	1,2,4-Trimethylbenzene
11.204	7917	VV	0.037	1	1.868	Naphthalene
2.983	15885	PV	0.070		158.851	* uncalibrated *
3.179	31149	VV	0.106		311.490	* uncalibrated *
4.506	37565	VV	0.109		375.647	* uncalibrated *
4.825	26767	PV	0.171		267.665	* uncalibrated *
5.072	15491	VV	0.117		154.909	* uncalibrated *
5.197	13168	VV	0.107		131.685	* uncalibrated *
5.453	25896	VV	0.107		258.960	* uncalibrated *
5.772	2110	PV	0.093		21.103	* uncalibrated *
5.942	22811	VV	0.086		228.106	* uncalibrated *
6.069	54627	VV	0.143		546.271	* uncalibrated *
6.722	10669	VV	0.074		106.690	* uncalibrated *
6.812	8666	VV	0.066		86.664	* uncalibrated *
6.969	20782	VV	0.107		207.816	* uncalibrated *
7.106	14017	VV	0.072		140.174	* uncalibrated *
7.272	27553	VV	0.074		275.531	* uncalibrated *
7.379	43647	VV	0.076		436.470	* uncalibrated *
7.514	27738	VV	0.092		277.380	* uncalibrated *
7.786	17536	VV	0.065		175.363	* uncalibrated *
8.048	10259	VV	0.122		102.594	* uncalibrated *
8.373	14598	VV	0.065		145.976	* uncalibrated *
8.454	6948	VV	0.047		69.479	* uncalibrated *
9.198	2362	VV	0.036		23.625	* uncalibrated *
9.258	5873	VV	0.038		58.731	* uncalibrated *
9.521	124465	VV	0.046		1244.646	* uncalibrated *
9.685	21664	VV	0.036		216.643	* uncalibrated *
9.884	3895	VV	0.049		38.945	* uncalibrated *
10.004	22740	VV	0.033		227.399	* uncalibrated *
10.108	40621	VV	0.053		406.210	* uncalibrated *
10.176	15012	VV	0.044		150.122	* uncalibrated *

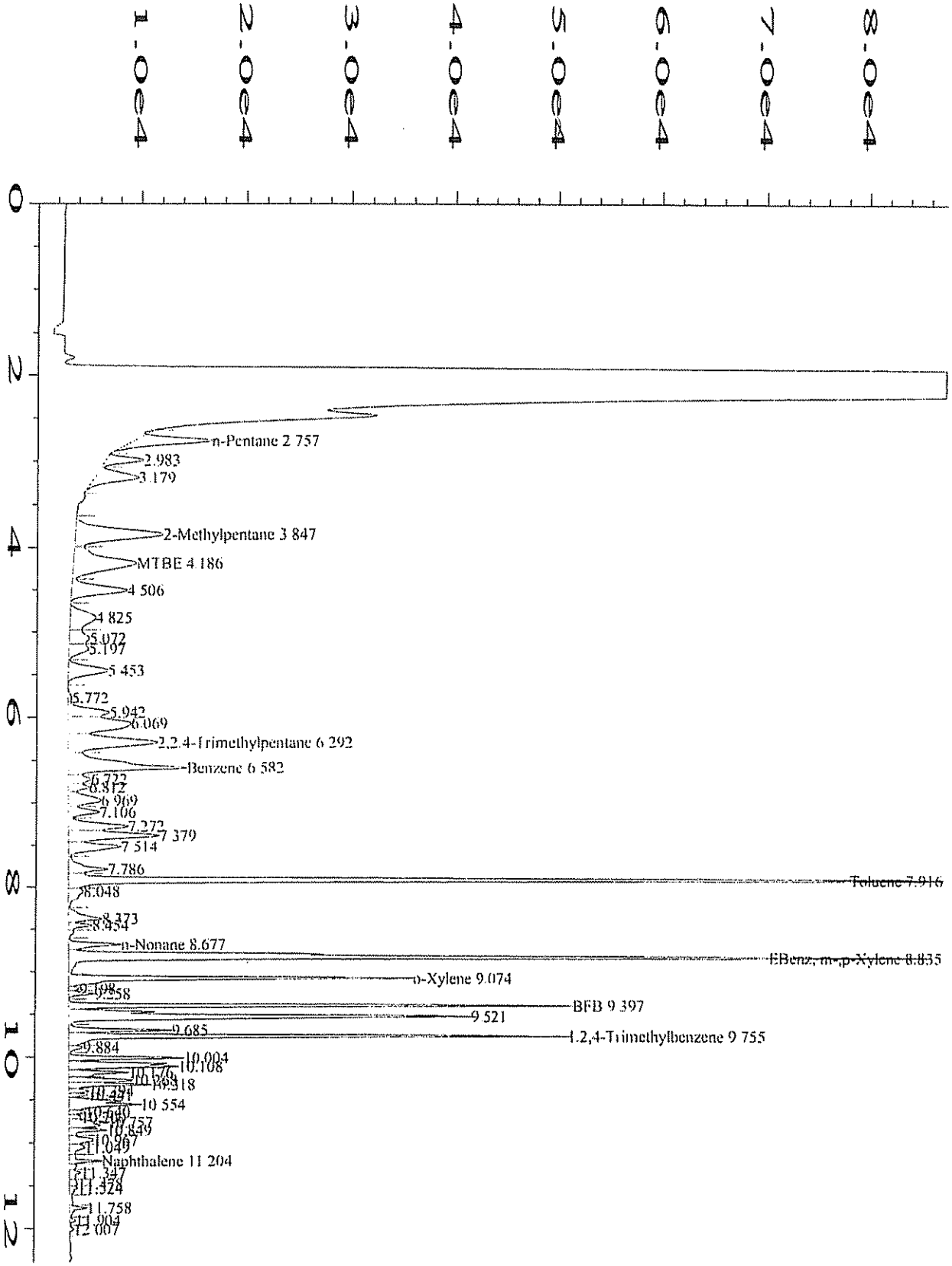
ata File Name : C:\HPCHEM\1\DATA\vp071805\008F0101.D
perator : DCS
nstrument : FID/PID
ample Name : g161-2066-3d msd
in Time Bar Code:
cquired on : 18 Jul 05 01:14 PM
eport Created on: 19 Jul 05 08:01 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 8
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.268	16240	VV	0.041	162.399	* uncalibrated *
10.318	17555	VV	0.037	175.552	* uncalibrated *
10.394	4819	VV	0.045	48.186	* uncalibrated *
10.441	3900	VV	0.036	39.000	* uncalibrated *
10.554	30406	VV	0.072	304.057	* uncalibrated *
10.640	3640	VV	0.043	36.399	* uncalibrated *
10.700	3114	VV	0.045	31.137	* uncalibrated *
10.757	15057	VV	0.059	150.574	* uncalibrated *
10.849	9079	VV	0.037	90.791	* uncalibrated *
10.967	9661	VV	0.065	96.611	* uncalibrated *
11.049	6895	VV	0.069	68.950	* uncalibrated *
11.347	4573	VV	0.065	45.730	* uncalibrated *
11.478	3139	VV	0.055	31.394	* uncalibrated *
11.524	2843	VV	0.058	28.432	* uncalibrated *
11.758	4803	VV	0.042	48.030	* uncalibrated *
11.904	1491	VV	0.038	14.907	* uncalibrated *
12.007	1120	VV	0.041	11.200	* uncalibrated *

alibration table contains at least one peak with amt = 0

==========



ıta File Name	: C:\HPCHEM\1\DATA\vp071805\008F0101.D		
›erator	: DCS	Page Number	: 1
ıstrument	: FID/PID	Vial Number	: 8
ımple Name	: g161-2066-3d msd	Injection Number	: 1
ın Time Bar Code	:	Sequence Line	: 1
:quired on	: 18 Jul 05 01:14 PM	Instrument Method	: GAS1.MTH
:port Created on	: 19 Jul 05 08:01 AM	Analysis Method	: VPH_FID.MTH
ıst Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ıltiplier	: 1	ISTD Amount	:

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp071805\008R0101.D
perator : DCS
nstrument : FID/PID
ample Name : g161-2066-3d msd
in Time Bar Code:
cquired on : 18 Jul 05 01:14 PM
eport Created on: 19 Jul 05 08:01 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 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 :

ig. 2 in C:\HPCHEM\1\DATA\vp071805\008R0101.D

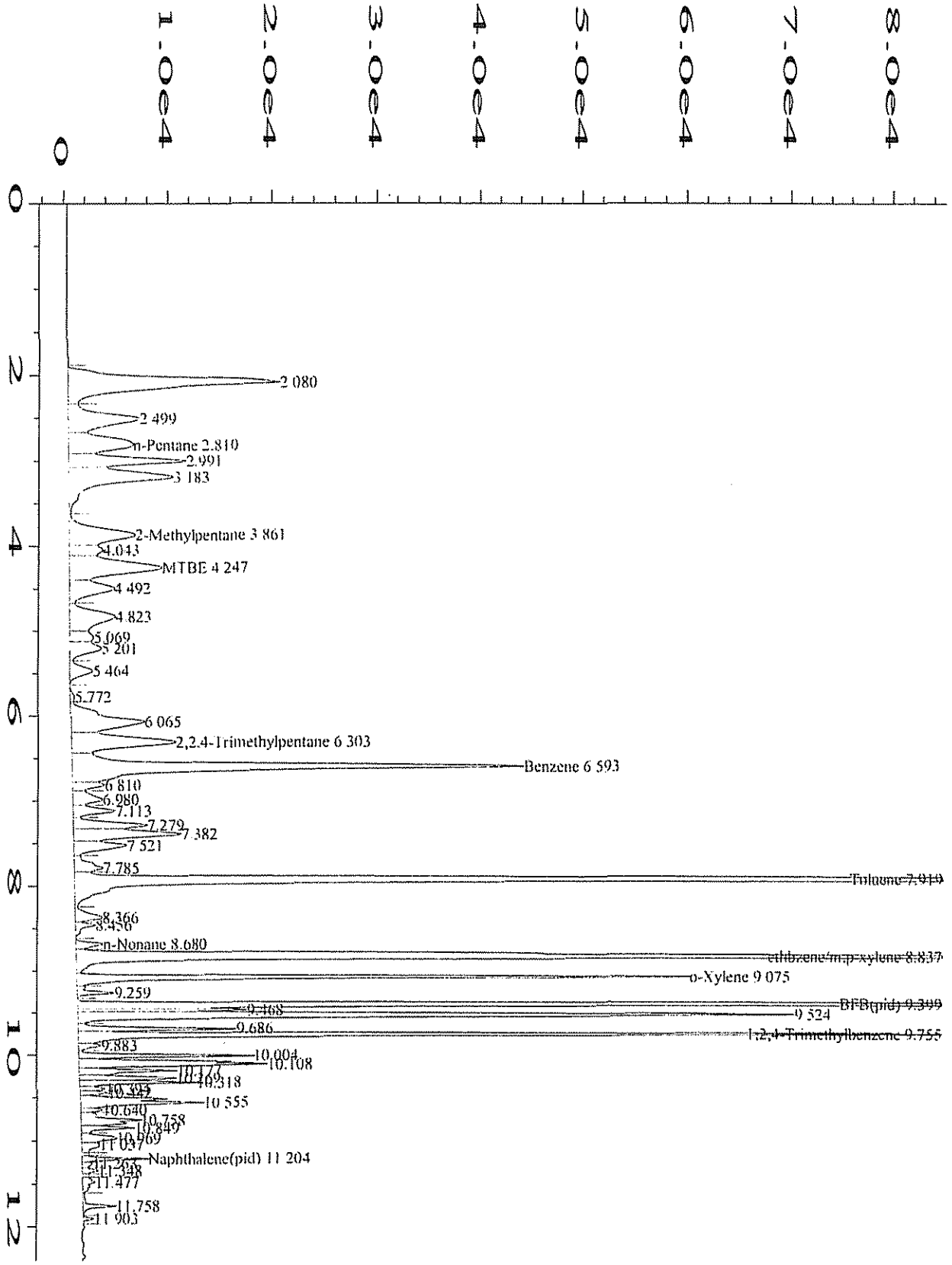
et Time	Area	Type	Width	Ref#	ug/L	Name
2.810	66431	VV	0.149	1	10.593	n-Pentane
3.861	66817	VV	0.153	1	7.076	2-Methylpentane
4.247	94443	VV	0.157	1	3.133	MTBE
6.303	84737	VV	0.129	1	5.569	2,2,4-Trimethylpentane
6.593	241260	VV	0.081	1	3.032	Benzene
7.919	618294	VV	0.045	1	15.153	Toluene
8.680	9480	PV	0.054	1	1.397	n-Nonane
8.837	502774	VV	0.042	1	14.864	ethbzene/m,p-xylene
9.075	140583	VV	0.037	1	3.629	o-Xylene
9.399	427024	PV	0.047	1	28.741	BFB(pid)
9.755	192639	VV	0.034	1	6.274	1,2,4-Trimethylbenzene
11.204	12940	VV	0.031	1	0.739	Naphthalene(pid)
2.080	177371	BV	0.107		1773.709	* uncalibrated *
2.499	71169	VV	0.150		711.694	* uncalibrated *
2.991	66734	VV	0.089		667.337	* uncalibrated *
3.183	102013	VV	0.141		1020.125	* uncalibrated *
4.043	21445	VV	0.094		214.455	* uncalibrated *
4.492	40532	VV	0.141		405.325	* uncalibrated *
4.823	51773	VV	0.177		517.731	* uncalibrated *
5.069	15840	VV	0.100		158.405	* uncalibrated *
5.201	25014	VV	0.123		250.138	* uncalibrated *
5.464	16400	VV	0.117		164.000	* uncalibrated *
5.772	2589	PV	0.092		25.887	* uncalibrated *
6.065	72347	VV	0.140		723.465	* uncalibrated *
6.810	13701	VV	0.066		137.006	* uncalibrated *
6.980	19518	VV	0.098		195.179	* uncalibrated *
7.113	20267	VV	0.075		202.674	* uncalibrated *
7.279	33615	VV	0.071		336.154	* uncalibrated *
7.382	58658	VV	0.085		586.580	* uncalibrated *
7.521	30928	VV	0.096		309.275	* uncalibrated *
7.785	17636	VV	0.086		176.355	* uncalibrated *
8.366	14315	VV	0.085		143.154	* uncalibrated *
8.456	7932	VV	0.060		79.322	* uncalibrated *
9.259	10686	VV	0.050		106.860	* uncalibrated *
9.468	28153	VV	0.028		281.530	* uncalibrated *
9.524	220178	VV	0.052		2201.776	* uncalibrated *
9.686	34326	VV	0.037		343.265	* uncalibrated *
9.883	6750	VV	0.052		67.503	* uncalibrated *
10.004	35603	VV	0.033		356.034	* uncalibrated *
10.108	68507	VV	0.052		685.068	* uncalibrated *
10.177	24659	VV	0.038		246.589	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp071805\008R0101.D
perator : DCS
nstrument : FID/PID
ample Name : g161-2066-3d msd
un Time Bar Code:
cquired on : 18 Jul 05 01:14 PM
eport Created on: 19 Jul 05 08:01 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 8
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.269	25011	VV	0.041	250.108	* uncalibrated *
10.318	25812	VV	0.038	258.123	* uncalibrated *
10.394	6041	VV	0.041	60.414	* uncalibrated *
10.442	5722	VV	0.033	57.223	* uncalibrated *
10.555	50581	VV	0.075	505.809	* uncalibrated *
10.640	4858	VV	0.038	48.583	* uncalibrated *
10.758	26850	VV	0.066	268.499	* uncalibrated *
10.849	12657	VV	0.036	126.570	* uncalibrated *
10.969	14384	VV	0.066	143.836	* uncalibrated *
11.037	8466	VV	0.084	84.662	* uncalibrated *
11.263	3237	VV	0.055	32.371	* uncalibrated *
11.348	4117	VV	0.049	41.168	* uncalibrated *
11.477	7146	VV	0.078	71.461	* uncalibrated *
11.758	8655	VV	0.040	86.547	* uncalibrated *
11.903	1954	VV	0.032	19.540	* uncalibrated *

==========



ata File Name : C:\HPCHEM\1\DATA\vp071805\008R0101.D
perator : DCS
nstrument : FID/PID
ample Name : g161-2066-3d msd
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ultiplier : 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 :

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: vp071505

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
001F0101.D	b	7/15/05 8:24				DCS		
002F0101.D	V 500	7/15/05 8:49				DCS		
003F0101.D	b	7/15/05 9:14				DCS		
004F0101.D	G500	7/15/05 9:40				DCS		
005F0101.D	lcs4071505a	7/15/05 10:05				DCS		
006F0101.D	vblk4071505a	7/15/05 10:31				DCS		
007F0101.D	g106-528-1e x1	7/15/05 11:22				DCS		
008F0101.D	g106-528-2e x1	7/15/05 11:47				DCS		
009F0101.D	g122-2620-1a x1	7/15/05 12:12				DCS		
010F0101.D	b	7/15/05 14:28				DCS		
011F0101.D	g161-2066-3e x1	7/15/05 14:53				DCS		
012F0101.D	g161-2066-3e ms	7/15/05 15:18				DCS		
013F0101.D	g161-2066-3e msd	7/15/05 15:44				DCS		
014F0101.D	g161-2066-4e x1	7/15/05 16:09				DCS		
015F0101.D	g311-129-1d x1	7/15/05 16:34				DCS		
016F0101.D	g311-129-2d x1	7/15/05 17:00				DCS		
017F0101.D	g520-107-1d x1	7/15/05 17:25				DCS		
018F0101.D	g520-107-1d dup	7/15/05 17:50				DCS		
019F0101.D	g161-2070-1d x1	7/15/05 18:15				DCS		
020F0101.D	g161-2070-2d x1	7/15/05 18:40				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: vp071505

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
021F0101.D	g161-2064-2f x10	7/15/05 19:06				DCS		
022F0101.D	g161-2064-3f x10	7/15/05 19:31				DCS		
023F0101.D	g204-469-5e x10	7/15/05 19:56				DCS		
024F0101.D	g204-469-6e x20	7/15/05 20:21				DCS		
025F0101.D	g204-469-7e x20	7/15/05 20:47				DCS		
026F0101.D	b	7/15/05 21:12				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: _____

Metals Sample Raw Data

PSW

Autosampler Loading List

RMC

Sample Information File: 071805A.SIF
Methods: Hg-NaBH4

Location	Elements	Solution
0	Hg	Wash Solution
1	Hg	Calib Blank
2	Hg	Std 1: 0.200 µg/L
3	Hg	Std 2: 0.500 µg/L
4	Hg	Std 3: 1.000 µg/L
5	Hg	Std 4: 5.000 µg/L
6	Hg	Std 5: 10.00 µg/L
7	Hg	QC Sample 1: 10.0000 µg/L
9	Hg	Sample: ccv1
10	Hg	Sample: ccb1
11	Hg	Sample: pb3249
12	Hg	Sample: lcs3249
13	Hg	Sample: lcd3249
14	Hg	Sample: G161-2070-2L
15	Hg	Sample: G161-2070-2M ms
16	Hg	Sample: G161-2070-2N msd
17	Hg	Sample: G161-2070-3J
18	Hg	Sample: G161-2068-1I
19	Hg	Sample: G161-2067-12J
20	Hg	Sample: G161-2067-14J
21	Hg	Sample: ccv2
22	Hg	Sample: ccb2
23	Hg	Sample: G161-2067-16J
24	Hg	Sample: G132-1378-1B
25	Hg	Sample: G132-1378-2B
26	Hg	Sample: G132-1379-1D
27	Hg	Sample: G546-41-9G
28	Hg	Sample: G546-41-18G
29	Hg	Sample: G546-41-27G
30	Hg	Sample: G546-41-36K
31	Hg	Sample: blk071205a
32	Hg	Sample: G537-158-3C
33	Hg	Sample: ccv3
34	Hg	Sample: ccb3
35	Hg	Sample: blk071505b
36	Hg	Sample: blk071505b dup
37	Hg	Sample: ccv4
38	Hg	Sample: ccb4

Method Name: Hg-NaBH4
Method Description: Hg-SnSl2
Element: Hg

Date: 07/18/2005
Technique:FI-MHS
Calibration Type:
Hg, Calc. Intercept : Linear
Wavelength: 253.7 nm
Sample Info Name: 071805A.SIF Results Data Set Name: 071805a

Element: Hg Seq. No.: 1 AS Loc.: --- Date: 07/18/2005
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.097	0.097	0.0136	0.0024	11:37:55	Yes
Mean:	0.097	0.097	0.0136			
SD :						
RSD:						

Method Name: Hg-NaBH4
Method Description: Hg-SnSl2
Element: Hg

Date: 07/18/2005
Technique:FI-MHS
Calibration Type:
Hg, Calc. Intercept : Linear
Wavelength: 253.7 nm
Sample Info Name: 071805A.SIF Results Data Set Name: 071805a

Element: Hg Seq. No.: 2 AS Loc.: --- Date: 07/18/2005
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.115	0.115	0.0161	0.0029	11:39:36	Yes
Mean:	0.115	0.115	0.0161			
SD :						
RSD:						

Method Name: Hg-NaBH4
Method Description: Hg-SnSl2
Element: Hg

Date: 07/18/2005
Technique:FI-MHS
Calibration Type:
Hg, Calc. Intercept : Linear
Wavelength: 253.7 nm
Sample Info Name: 071805A.SIF Results Data Set Name: 071805a

Element: Hg Seq. No.: 3 AS Loc.: 1 Date: 07/18/2005
Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.0321	0.0052	11:41:18	Yes
2			0.0326	0.0054	11:41:53	No
Mean:			0.0324			
SD :			0.0004			

RSD: 1.0916
Auto-zero performed.

==========
Element: Hg Seq. No.: 4 AS Loc.: 2 Date: 07/18/2005
Sample ID: Std 1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.0101	0.0069	11:43:23	Yes
2			0.0113	0.0069	11:43:59	No
Mean:			0.0107			
SD :			0.0008			
%RSD:			7.8522			

[Hg] Standard number 1 applied. [0.200]
Correlation Coefficient: 1.00000 Slope: 0.05345
Intercept : 0.00000

==========
Element: Hg Seq. No.: 5 AS Loc.: 3 Date: 07/18/2005
Sample ID: Std 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.0302	0.0104	11:45:29	Yes
2			0.0348	0.0110	11:46:04	No
Mean:			0.0325			
SD :			0.0033			
%RSD:			10.0319			

[Hg] Standard number 2 applied. [0.500]
Correlation Coefficient: 0.99678 Slope: 0.06564
Intercept : -0.00091

==========
Element: Hg Seq. No.: 6 AS Loc.: 4 Date: 07/18/2005
Sample ID: Std 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.0759	0.0165	11:47:37	Yes
2			0.0716	0.0159	11:48:12	No
Mean:			0.0737			
SD :			0.0030			
%RSD:			4.1277			

[Hg] Standard number 3 applied. [1.000]
Correlation Coefficient: 0.99732 Slope: 0.07476
Intercept : -0.00254

==========
Element: Hg Seq. No.: 7 AS Loc.: 5 Date: 07/18/2005
Sample ID: Std 4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.3404	0.0558	11:49:45	Yes
2			0.3269	0.0543	11:50:20	No
Mean:			0.3337			
SD :			0.0096			
%RSD:			2.8673			

[Hg] Standard number 4 applied. [5.000]
Correlation Coefficient: 0.99965 Slope: 0.06681
Intercept : 0.00059

==========
Element: Hg Seq. No.: 8 AS Loc.: 6 Date: 07/18/2005
Sample ID: Std 5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.7122	0.1082	11:51:54	Yes
2			0.6737	0.1057	11:52:29	No
Mean:			0.6930			
SD :			0.0272			
%RSD:			3.9256			

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.99979 Slope: 0.06900
Intercept : -0.00147

Calibration data for Hg

Standard ID	Mean Signal (Pk Area)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.0324	---	----	----	----
Std 1	0.0107	0.200	0.176	0.0008	7.9
Std 2	0.0325	0.500	0.493	0.0033	10.0
Std 3	0.0737	1.000	1.090	0.0030	4.1
Std 4	0.3337	5.000	4.857	0.0096	2.9
Std 5	0.6930	10.000	10.06	0.0272	3.9
Calib Blank	0.0324	---	----	----	----

Correlation Coefficient: 0.99979 Slope: 0.06900 Intercept: -0.0015

Element: Hg Seq. No.: 9 AS Loc.: 7 Date: 07/18/2005
Sample ID: QC Sample 1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	10.01	10.01	0.6891	0.1065	11:54:03	Yes
2	9.664	9.664	0.6654	0.1035	11:54:38	No
Mean:	9.836	9.836	0.6773			
SD :	0.2433	0.2433	0.0168			
%RSD:	2.5	2.5	2.4786			

QC value within specified limits.

Element: Hg Seq. No.: 10 AS Loc.: 9 Date: 07/18/2005
Sample ID: ccv1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	4.874	4.874	0.3348	0.0551	11:56:09	Yes
2	4.752	4.752	0.3264	0.0538	11:56:44	No
Mean:	4.813	4.813	0.3306			
SD :	0.0864	0.0864	0.0060			
%RSD:	1.8	1.8	1.8030			

Element: Hg Seq. No.: 11 AS Loc.: 10 Date: 07/18/2005
Sample ID: ccb1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.053	-0.053	-0.0051	0.0045	11:58:14	Yes
2	-0.029	-0.029	-0.0034	0.0045	11:58:49	No
Mean:	-0.041	-0.041	-0.0043			
SD :	0.0175	0.0175	0.0012			
%RSD:	42.8	42.8	28.1546			

Element: Hg Seq. No.: 12 AS Loc.: 11 Date: 07/18/2005

Sample ID: pb3249

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.046	-0.046	-0.0047	0.0044	12:00:19	Yes
2	-0.053	-0.053	-0.0052	0.0043	12:00:55	No
Mean:	-0.050	-0.050	-0.0049			
SD :	0.0050	0.0050	0.0003			
RSD:	10.1	10.1	7.0709			

Element: Hg Seq. No.: 13 AS Loc.: 12 Date: 07/18/2005
Sample ID: lcs3249

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	5.084	5.084	0.3493	0.0567	12:02:26	Yes
2	4.987	4.987	0.3427	0.0561	12:03:01	No
Mean:	5.035	5.035	0.3460			
SD :	0.0682	0.0682	0.0047			
RSD:	1.4	1.4	1.3611			

Element: Hg Seq. No.: 14 AS Loc.: 13 Date: 07/18/2005
Sample ID: lcd3249

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	5.096	5.096	0.3502	0.0569	12:04:33	Yes
2	5.002	5.002	0.3437	0.0564	12:05:08	No
Mean:	5.049	5.049	0.3469			
SD :	0.0663	0.0663	0.0046			
RSD:	1.3	1.3	1.3190			

Element: Hg Seq. No.: 15 AS Loc.: 14 Date: 07/18/2005
Sample ID: G161-2070-2L

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.010	0.010	-0.0008	0.0050	12:06:41	Yes
2	-0.020	-0.020	-0.0029	0.0048	12:07:17	No
Mean:	-0.005	-0.005	-0.0018			
SD :	0.0215	0.0215	0.0015			
RSD:	435.3	435.3	81.8126			

Element: Hg Seq. No.: 16 AS Loc.: 15 Date: 07/18/2005
Sample ID: G161-2070-2M ms

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	4.740	4.740	0.3256	0.0530	12:08:52	Yes
2	4.480	4.480	0.3077	0.0512	12:09:27	No
Mean:	4.610	4.610	0.3167			
SD :	0.1838	0.1838	0.0127			
RSD:	4.0	4.0	4.0046			

Element: Hg Seq. No.: 17 AS Loc.: 16 Date: 07/18/2005
Sample ID: G161-2070-2N msd

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	4.424	4.424	0.3038	0.0514	12:11:03	Yes
2	4.561	4.561	0.3133	0.0515	12:11:38	No

Mean:	4.493	4.493	0.3085
SD :	0.0970	0.0970	0.0067
RSD:	2.2	2.2	2.1684

Element: Hg Seq. No.: 18 AS Loc.: 17 Date: 07/18/2005
Sample ID: G161-2070-3J

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.085	-0.085	-0.0073	0.0050	12:13:10	Yes
2	0.005	0.005	-0.0011	0.0052	12:13:45	No
Mean:	-0.040	-0.040	-0.0042			
SD :	0.0633	0.0633	0.0044			
%RSD:	158.1	158.1	103.1719			

Element: Hg Seq. No.: 19 AS Loc.: 18 Date: 07/18/2005
Sample ID: G161-2068-1I

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.031	-0.031	-0.0036	0.0046	12:15:14	Yes
2	-0.019	-0.019	-0.0028	0.0046	12:15:49	No
Mean:	-0.025	-0.025	-0.0032			
SD :	0.0086	0.0086	0.0006			
%RSD:	34.6	34.6	18.6008			

Element: Hg Seq. No.: 20 AS Loc.: 19 Date: 07/18/2005
Sample ID: G161-2067-12J

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.015	-0.015	-0.0025	0.0049	12:17:18	Yes
2	-0.043	-0.043	-0.0045	0.0050	12:17:53	No
Mean:	-0.029	-0.029	-0.0035			
SD :	0.0200	0.0200	0.0014			
%RSD:	68.1	68.1	39.4171			

Element: Hg Seq. No.: 21 AS Loc.: 20 Date: 07/18/2005
Sample ID: G161-2067-14J

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.001	-0.001	-0.0015	0.0051	12:19:23	Yes
2	-0.031	-0.031	-0.0036	0.0051	12:19:58	No
Mean:	-0.016	-0.016	-0.0026			
SD :	0.0209	0.0209	0.0014			
%RSD:	131.8	131.8	56.2562			

Element: Hg Seq. No.: 22 AS Loc.: 21 Date: 07/18/2005
Sample ID: ccv2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	4.807	4.807	0.3302	0.0537	12:21:27	Yes
2	4.769	4.769	0.3276	0.0539	12:22:03	No
Mean:	4.788	4.788	0.3289			
SD :	0.0268	0.0268	0.0018			
RSD:	0.6	0.6	0.5616			

Element: Hg Seq. No.: 23 AS Loc.: 22 Date: 07/18/2005

Sample ID: ccb2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.068	-0.068	-0.0061	0.0044	12:23:34	Yes
2	-0.044	-0.044	-0.0045	0.0045	12:24:10	No
Mean:	-0.056	-0.056	-0.0053			
SD :	0.0168	0.0168	0.0012			
%RSD:	30.3	30.3	21.8871			

Element: Hg Seq. No.: 24 AS Loc.: 23 Date: 07/18/2005
Sample ID: G161-2067-16J

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.006	0.006	-0.0010	0.0052	12:25:40	Yes
2	-0.008	-0.008	-0.0020	0.0051	12:26:15	No
Mean:	-0.001	-0.001	-0.0015			
SD :	0.0103	0.0103	0.0007			
%RSD:	906.3	906.3	45.7297			

Element: Hg Seq. No.: 25 AS Loc.: 24 Date: 07/18/2005
Sample ID: G132-1378-1B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.013	0.013	-0.0006	0.0053	12:27:47	Yes
2	0.023	0.023	0.0001	0.0053	12:28:23	No
Mean:	0.018	0.018	-0.0002			
SD :	0.0074	0.0074	0.0005			
%RSD:	41.4	41.4	207.8455			

Element: Hg Seq. No.: 26 AS Loc.: 25 Date: 07/18/2005
Sample ID: G132-1378-2B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.062	0.062	0.0028	0.0050	12:29:54	Yes
2	0.128	0.128	0.0074	0.0055	12:30:29	No
Mean:	0.095	0.095	0.0051			
SD :	0.0469	0.0469	0.0032			
%RSD:	49.2	49.2	63.4256			

Element: Hg Seq. No.: 27 AS Loc.: 26 Date: 07/18/2005
Sample ID: G132-1379-1D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.001	-0.001	-0.0015	0.0052	12:32:01	Yes
2	0.036	0.036	0.0010	0.0052	12:32:36	No
Mean:	0.018	0.018	-0.0003			
SD :	0.0262	0.0262	0.0018			
%RSD:	148.9	148.9	698.6866			

Element: Hg Seq. No.: 28 AS Loc.: 27 Date: 07/18/2005
Sample ID: G546-41-9G

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.011	-0.011	-0.0023	0.0050	12:34:09	Yes
2	-0.026	-0.026	-0.0033	0.0048	12:34:44	No

Mean:	-0.019	-0.019	-0.0028
SD :	0.0106	0.0106	0.0007
RSD:	56.2	56.2	26.3887

Element: Hg Seq. No.: 29 AS Loc.: 28 Date: 07/18/2005
Sample ID: G546-41-18G

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.020	-0.020	-0.0028	0.0048	12:36:18	Yes
2	-0.016	-0.016	-0.0026	0.0048	12:36:53	No
Mean:	-0.018	-0.018	-0.0027			
SD :	0.0026	0.0026	0.0002			
%RSD:	14.9	14.9	6.7778			

Element: Hg Seq. No.: 30 AS Loc.: 29 Date: 07/18/2005
Sample ID: G546-41-27G

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.023	-0.023	-0.0031	0.0048	12:38:25	Yes
2	0.038	0.038	0.0012	0.0053	12:39:01	No
Mean:	0.007	0.007	-0.0010			
SD :	0.0435	0.0435	0.0030			
%RSD:	595.4	595.4	310.8946			

Element: Hg Seq. No.: 31 AS Loc.: 30 Date: 07/18/2005
Sample ID: G546-41-36K

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.010	-0.010	-0.0021	0.0045	12:40:35	Yes
2	-0.079	-0.079	-0.0069	0.0044	12:41:11	No
Mean:	-0.044	-0.044	-0.0045			
SD :	0.0491	0.0491	0.0034			
RSD:	110.7	110.7	74.8103			

Element: Hg Seq. No.: 32 AS Loc.: 31 Date: 07/18/2005
Sample ID: blk071205a

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.019	-0.019	-0.0028	0.0046	12:42:46	Yes
2	-0.035	-0.035	-0.0039	0.0046	12:43:22	No
Mean:	-0.027	-0.027	-0.0033			
SD :	0.0115	0.0115	0.0008			
%RSD:	43.0	43.0	23.9269			

Element: Hg Seq. No.: 33 AS Loc.: 32 Date: 07/18/2005
Sample ID: G537-158-3C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.020	-0.020	-0.0028	0.0047	12:44:53	Yes
2	-0.010	-0.010	-0.0021	0.0049	12:45:29	No
Mean:	-0.015	-0.015	-0.0025			
SD :	0.0071	0.0071	0.0005			
%RSD:	48.6	48.6	19.8280			

Element: Hg Seq. No.: 34 AS Loc.: 33 Date: 07/18/2005

Sample ID: ccv3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	4.730	4.730	0.3249	0.0527	12:46:55	Yes
2	4.779	4.779	0.3283	0.0538	12:47:30	No
Mean:	4.754	4.754	0.3266			
SD :	0.0353	0.0353	0.0024			
%RSD:	0.7	0.7	0.7450			

Element: Hg Seq. No.: 35 AS Loc.: 34 Date: 07/18/2005
Sample ID: ccb3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.115	-0.115	-0.0094	0.0044	12:48:58	Yes
2	-0.024	-0.024	-0.0031	0.0046	12:49:33	No
Mean:	-0.070	-0.070	-0.0063			
SD :	0.0644	0.0644	0.0044			
%RSD:	92.2	92.2	70.6301			

Element: Hg Seq. No.: 36 AS Loc.: 35 Date: 07/18/2005
Sample ID: blk071505b

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.022	-0.022	-0.0030	0.0048	12:51:01	Yes
2	0.002	0.002	-0.0013	0.0048	12:51:37	No
Mean:	-0.010	-0.010	-0.0022			
SD :	0.0168	0.0168	0.0012			
%RSD:	168.2	168.2	53.7376			

Element: Hg Seq. No.: 37 AS Loc.: 36 Date: 07/18/2005
Sample ID: blk071505b dup

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.044	-0.044	-0.0045	0.0044	12:53:06	Yes
2	-0.023	-0.023	-0.0031	0.0047	12:53:41	No
Mean:	-0.034	-0.034	-0.0038			
SD :	0.0147	0.0147	0.0010			
%RSD:	43.9	43.9	26.8771			

Element: Hg Seq. No.: 38 AS Loc.: 37 Date: 07/18/2005
Sample ID: ccv4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	4.865	4.865	0.3343	0.0545	12:55:11	Yes
2	4.816	4.816	0.3309	0.0542	12:55:46	No
Mean:	4.841	4.841	0.3326			
SD :	0.0347	0.0347	0.0024			
%RSD:	0.7	0.7	0.7202			

Element: Hg Seq. No.: 39 AS Loc.: 38 Date: 07/18/2005
Sample ID: ccb4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.057	-0.057	-0.0054	0.0048	12:57:15	Yes
2	-0.043	-0.043	-0.0045	0.0049	12:57:51	No

Mean:	-0.050	-0.050	-0.0049
SD :	0.0097	0.0097	0.0007
RSD:	19.3	19.3	13.5583

Element: Hg Seq. No.: 40 AS Loc.: 7 Date: 07/18/2005
Sample ID: QC Sample 1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	9.428	9.428	0.6491	0.1002	12:59:23	Yes
2	9.378	9.378	0.6457	0.1006	12:59:59	No
Mean:	9.403	9.403	0.6474			
SD :	0.0353	0.0353	0.0024			
%RSD:	0.4	0.4	0.3761			

QC value within specified limits.

Analytical Sequence

Method : TALmethod

15iv

RML

C719056

Seq.	Loc.	Sample ID	Status
1	1	CalBlank	Applied
2	4	Std3 -High	Applied
3	5	Std4 -High	Applied
4	6	Std5 -High	Applied
5	3	Std2 -Mid	Applied
6	2	Std1 -Low	Applied
7	7	icv ✓	Analyzed
8	3	ccv1 ✓	Analyzed
9	1	ccb1 ✓	Analyzed
10	8	icsA1 ✓	Analyzed
11	9	icsB1 ✓	Analyzed
12	2	lowstd	Analyzed
13	10	pb3257 - Na, Pb, Se	Analyzed
14	11	lcs3257 - Na	Analyzed
15	12	lcd3257 - Na	Analyzed
16	13	G161-2070-2O	Analyzed
17	14	G161-2070-2P ms	Analyzed
18	15	G161-2070-2Q msd	Analyzed
19	16	G161-2070-3K	Analyzed
20	3	ccv2 ✓	Analyzed
21	1	ccb2 ✓	Analyzed
22	17	G537-158-3D - Na	Analyzed
23	18	blk071505b - Na	Analyzed
24	19	G122-2617-5F	Analyzed
25	20	G122-2617-6F	Analyzed
26	21	G122-2617-7F	Analyzed
27	22	G122-2617-8F	Analyzed
28	23	G122-2617-9F	Analyzed
29	24	G122-2617-10J - Na x10	Analyzed
30	25	G122-2617-11H - Na x100	Analyzed
31	26	G122-2617-12F	Analyzed
32	3	ccv3 ✓	Analyzed
33	1	ccb3 ✓	Analyzed
34	27	G122-2617-13F	Analyzed
35	28	G122-2618-1I - Na x100	Analyzed
36	29	G122-2618-2H - Na x100	Analyzed
37	30	G122-2618-3H - Na x100	Analyzed
38	31	G122-2618-4H - Na x100	Analyzed
39	32	G122-2618-5H Na x100	Analyzed
40	33	G122-2618-6H - Na x100	Analyzed
41	34	G122-2618-7H - Na x100	Analyzed
42	35	G122-2618-7I dup - Na x100	Analyzed
43	36	pb3258 - Na R.R.	Analyzed
44	3	ccv4 - Na	Analyzed
45	1	ccb4 - Na	Analyzed
46	37	lcs3258 - Na	Analyzed
47	38	lcd3258 - Na	Analyzed
48	39	G122-2618-8H - Na x100	Analyzed
49	40	G122-2618-8I ms - Na x100	Analyzed
50	41	G122-2618-8J msd - Na x100	Analyzed
51	42	G122-2618-9F	Analyzed
52	43	G122-2618-10F	Analyzed
53	44	G122-2618-11F	Analyzed
54	45	G122-2618-12F	Analyzed
55	46	G122-2618-13F	Analyzed
56	3	ccv5 - Na	Analyzed

CES071505-1

Carryover from Re rinse

R.R.

Analytical Sequence

Method : TALmethod

Seq.	Loc		Sample ID	Status
57	1		ccb5 - Na	Analyzed
58	47		G122-2618-14F	Analyzed
59	48		G122-2618-15F	Analyzed
60	49		G122-2618-16F	Analyzed
61	50		G122-2618-17F	Analyzed
62	51		G122-2619-1F	Analyzed
63	52		G122-2619-2F	Analyzed
64	53		G122-2619-3F	Analyzed
65	54		G122-2619-4F	Analyzed
66	55		G122-2619-5F	Analyzed
67	56		G122-2619-6F	Analyzed
68	3		ccv6 - Na	Analyzed
69	1		ccb6 - Na	Analyzed
70	57		G122-2619-7F	Analyzed
71	58		G122-2619-8F	Analyzed
72	59		G122-2619-9F	Analyzed
73	60		G122-2619-10F - Na x 100	Analyzed
74	61		G122-2619-10G dup - Na x 100	Analyzed
75	8		icsA2 - Na	Analyzed
76	9		icsB2 - Na	Analyzed
77	3		ccv7 - As, Fe, Ca, Na	Analyzed
78	1		ccb7 - Na	Being Analyzed

Analysis Begun

Start Time: 7/19/2005 10:47:33 AM
Logged In Analyst: Anyone
Spectrometer Model: Optima 2100

Plasma On Time: 7/19/2005 07:46:12 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Anyone\Sample Information\071905b.sif
Batch ID:
Results Data Set: 071905b
Results Library: C:\pe\Anyone\Results\Results.mdb

Sequence No.: 1
Sample ID: CalBlank
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/19/2005 10:47:34 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CalBlank

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: CalBlank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	-56.5	15.04	26.64%	[0.00]	mg/L
Se 196	101.8	15.26	14.99%	[0.00]	mg/L
Cd 214	118.9	136.92	115.16%	[0.00]	mg/L
Pb 220	676.4	16.42	2.43%	[0.00]	mg/L
Ba 234	-9386.5	132.70	1.41%	[0.00]	mg/L
Fe 260	9484.5	3357.49	35.40%	[0.00]	mg/L
Cr 268	858.6	351.92	40.99%	[0.00]	mg/L
Mg 279	-825.2	23.47	2.84%	[0.00]	mg/L
Al 308	-2170.4	68.46	3.15%	[0.00]	mg/L
Ca 318	-7518.3	0.00	0.00%	[0.00]	mg/L
Ag 328	-7675.1	90.20	1.18%	[0.00]	mg/L
Na 590	1002.0	121.36	12.11%	[0.00]	mg/L

Sequence No.: 2
Sample ID: Std3 -High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/19/2005 10:51:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std3 -High

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: Std3 -High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	3990.8	26.41	0.66%	[1]	mg/L
Se 196	4758.8	0.78	0.02%	[1]	mg/L
Cd 214	160491.1	2458.91	1.53%	[1]	mg/L
Pb 220	13350.7	65.00	0.49%	[1]	mg/L
Ba 234	1398506.2	22299.72	1.59%	[5]	mg/L
Cr 268	224183.9	145.25	0.06%	[1]	mg/L

Sequence No.: 3
Sample ID: Std4 -High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 7/19/2005 10:54:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std4 -High

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: Std4 -High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Fe 260	290382.2	1064.32	0.37%	[5]	mg/L
Mg 279	26883.7	79.68	0.30%	[5]	mg/L
Al 308	78075.0	392.27	0.50%	[5]	mg/L
Ca 318	184299.2	1084.01	0.59%	[5]	mg/L
Na 590	533314.9	535.04	0.10%	[5]	mg/L

Sequence No.: 4
Sample ID: Std5 -High
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 7/19/2005 10:57:34 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std5 -High

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: Std5 -High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328	579071.7	1345.63	0.23%	[1]	mg/L

Sequence No.: 5
Sample ID: Std2 -Mid
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 7/19/2005 10:59:36 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std2 -Mid

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: Std2 -Mid

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	2124.5	2.49	0.12%	[0.5]	mg/L
Se 196	2420.9	22.03	0.91%	[0.5]	mg/L
Cd 214	80729.4	205.38	0.25%	[0.5]	mg/L
Pb 220	6903.1	19.02	0.28%	[0.5]	mg/L
Ba 234	706428.8	815.51	0.12%	[2.5]	mg/L
Fe 260	143251.5	532.16	0.37%	[2.5]	mg/L
Cr 268	111268.2	1194.27	1.07%	[0.5]	mg/L
Mg 279	13196.5	18.67	0.14%	[2.5]	mg/L
Al 308	38722.1	45.25	0.12%	[2.5]	mg/L
Ca 318	91726.7	132.70	0.14%	[2.5]	mg/L
Ag 328	296547.3	1.41	0.00%	[0.5]	mg/L
Na 590	266929.1	2038.05	0.76%	[2.5]	mg/L

Sequence No.: 6
Sample ID: Std1 -Low
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 7/19/2005 11:03:50 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std1 -Low

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: Std1 -Low

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	39.4	5.38	13.65%	[0.01]	mg/L
Se 196	70.3	26.58	37.83%	[0.01]	mg/L
Cd 214	710.0	136.92	19.28%	[0.005]	mg/L
Pb 220	125.0	15.89	12.71%	[0.01]	mg/L
Ba 234	28716.0	796.18	2.77%	[0.1]	mg/L
Fe 260	5412.8	369.17	6.82%	[0.1]	mg/L
Cr 268	2284.6	132.70	5.81%	[0.01]	mg/L
Mg 279	487.0	74.59	15.32%	[0.1]	mg/L
Al 308	1748.6	60.19	3.44%	[0.1]	mg/L
Ca 318	3686.5	701.76	19.04%	[0.1]	mg/L
Ag 328	5663.9	342.91	6.05%	[0.01]	mg/L
Na 590	20709.5	214.72	1.04%	[0.2]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
As 189	3	Lin Thru 0	0.0	4042	0.00000	0.999674	
Se 196	3	Lin Thru 0	0.0	4776	0.00000	0.999967	
Cd 214	3	Lin Thru 0	0.0	160700	0.00000	0.999997	
Pb 220	3	Lin Thru 0	0.0	13440	0.00000	0.999908	
Ba 234	3	Lin Thru 0	0.0	280300	0.00000	0.999992	
Fe 260	3	Lin Thru 0	0.0	57920	0.00000	0.999985	
Cr 268	3	Lin Thru 0	0.0	223900	0.00000	0.999996	
Mg 279	3	Lin Thru 0	0.0	5357	0.00000	0.999972	
Al 308	3	Lin Thru 0	0.0	15590	0.00000	0.999992	
Ca 318	3	Lin Thru 0	0.0	36830	0.00000	0.999998	
Ag 328	3	Lin Thru 0	0.0	581900	0.00000	0.999954	
Na 590	3	Lin Thru 0	0.0	106700	0.00000	0.999999	

Sequence No.: 7
Sample ID: icv
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/19/2005 11:08:04 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icv

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: icv

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	4297.9	1.06	mg/L	0.001	1.06	mg/L	0.001	0.12%
Se 196	1257.5	0.263	mg/L	0.0017	0.263	mg/L	0.0017	0.66%
Cd 214	40752.6	0.254	mg/L	0.0011	0.254	mg/L	0.0011	0.43%
Pb 220	13674.3	1.02	mg/L	0.004	1.02	mg/L	0.004	0.38%
Ba 234	1425001.6	5.08	mg/L	0.036	5.08	mg/L	0.036	0.71%
Fe 260	57552.8	0.994	mg/L	0.0252	0.994	mg/L	0.0252	2.54%
Cr 268	227219.1	1.02	mg/L	0.004	1.02	mg/L	0.004	0.39%
Mg 279	5219.4	0.974	mg/L	0.0200	0.974	mg/L	0.0200	2.06%
Al 308	78547.9	5.04	mg/L	0.014	5.04	mg/L	0.014	0.27%
Ca 318	190155.0	5.16	mg/L	0.101	5.16	mg/L	0.101	1.95%
Ag 328	55638.8	0.0956	mg/L	0.00016	0.0956	mg/L	0.00016	0.16%
Na 590	548574.8	5.14	mg/L	0.030	5.14	mg/L	0.030	0.59%

Sequence No.: 8
Sample ID: ccv1
Analyst:

Autosampler Location: 3
Date Collected: 7/19/2005 11:12:20 AM
Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: ccv1

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: ccv1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	2117.6	0.525	mg/L	0.0013	0.525	mg/L	0.0013	0.26%
Se 196	2431.3	0.503	mg/L	0.0034	0.503	mg/L	0.0034	0.69%
Cd 214	81802.3	0.509	mg/L	0.0021	0.509	mg/L	0.0021	0.42%
Pb 220	6899.7	0.513	mg/L	0.0055	0.513	mg/L	0.0055	1.07%
Ba 234	710687.2	2.54	mg/L	0.010	2.54	mg/L	0.010	0.40%
Fe 260	144593.0	2.50	mg/L	0.063	2.50	mg/L	0.063	2.51%
Cr 268	113299.9	0.506	mg/L	0.0032	0.506	mg/L	0.0032	0.63%
Mg 279	13534.1	2.53	mg/L	0.007	2.53	mg/L	0.007	0.27%
Al 308	39781.3	2.55	mg/L	0.009	2.55	mg/L	0.009	0.34%
Ca 318	94925.5	2.58	mg/L	0.010	2.58	mg/L	0.010	0.41%
Ag 328	296241.4	0.509	mg/L	0.0055	0.509	mg/L	0.0055	1.07%
Na 590	267961.4	2.51	mg/L	0.016	2.51	mg/L	0.016	0.65%

Sequence No.: 9 Autosampler Location: 1
Sample ID: ccb1 Date Collected: 7/19/2005 11:16:33 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: ccb1

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: ccb1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-5.5	-0.0014	mg/L	0.00143	-0.0014	mg/L	0.00143	105.56%
Se 196	4.9	0.0010	mg/L	0.00155	0.0010	mg/L	0.00155	151.58%
Cd 214	1.7	0.0000	mg/L	0.00058	0.0000	mg/L	0.00058	>999.9%
Pb 220	-16.2	-0.0012	mg/L	0.00079	-0.0012	mg/L	0.00079	65.24%
Ba 234	290.0	0.0010	mg/L	0.00050	0.0010	mg/L	0.00050	48.06%
Fe 260	-492.6	-0.0085	mg/L	0.02756	-0.0085	mg/L	0.02756	324.07%
Cr 268	220.3	0.0010	mg/L	0.00059	0.0010	mg/L	0.00059	60.23%
Mg 279	-59.6	-0.0111	mg/L	0.00787	-0.0111	mg/L	0.00787	70.71%
Al 308	283.2	0.0182	mg/L	0.01146	0.0182	mg/L	0.01146	63.07%
Ca 318	-196.3	-0.0053	mg/L	0.01474	-0.0053	mg/L	0.01474	276.62%
Ag 328	-176.6	-0.0003	mg/L	0.00051	-0.0003	mg/L	0.00051	168.11%
Na 590	-889.6	-0.0083	mg/L	0.00014	-0.0083	mg/L	0.00014	1.69%

Sequence No.: 10 Autosampler Location: 8
Sample ID: icsA1 Date Collected: 7/19/2005 11:20:45 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: icsA1

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: icsA1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-43.2	-0.0007	mg/L	0.00099	-0.0007	mg/L	0.00099	135.88%

Se 196	-250.2	0.0088 mg/L	0.01250	0.0088 mg/L	0.01250	141.55%
Cd 214	1176.2	0.0019 mg/L	0.00112	0.0019 mg/L	0.00112	57.60%
Pb 220	142.5	0.0015 mg/L	0.00130	0.0015 mg/L	0.00130	88.77%
Ba 234	-116.4	-0.0004 mg/L	0.00002	-0.0004 mg/L	0.00002	5.75%
Fe 260	5881210.9	102 mg/L	0.7	102 mg/L	0.7	0.71%
Cr 268	594.4	0.0027 mg/L	0.00237	0.0027 mg/L	0.00237	89.30%
Mg 279	213975.6	39.9 mg/L	0.01	39.9 mg/L	0.01	0.01%
Al 308	1576686.9	101 mg/L	0.2	101 mg/L	0.2	0.17%
Ca 318	1504831.9	40.9 mg/L	0.04	40.9 mg/L	0.04	0.11%
Ag 328	-1748.1	-0.0030 mg/L	0.00024	-0.0030 mg/L	0.00024	7.83%
Na 590	-733.1	-0.0069 mg/L	0.00117	-0.0069 mg/L	0.00117	16.95%

Sequence No.: 11
Sample ID: icsB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/19/2005 11:25:01 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB1

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: icsB1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1211.4	0.311	mg/L	0.0031	0.311	mg/L	0.0031	1.01%
Se 196	1197.1	0.309	mg/L	0.0007	0.309	mg/L	0.0007	0.22%
Cd 214	48620.6	0.297	mg/L	0.0008	0.297	mg/L	0.0008	0.27%
Pb 220	4252.8	0.307	mg/L	0.0042	0.307	mg/L	0.0042	1.36%
Ba 234	277430.4	0.990	mg/L	0.0037	0.990	mg/L	0.0037	0.38%
Fe 260	5996048.9	104	mg/L	0.5	104	mg/L	0.5	0.49%
Cr 268	65712.8	0.294	mg/L	0.0012	0.294	mg/L	0.0012	0.40%
Mg 279	218380.2	40.8	mg/L	0.18	40.8	mg/L	0.18	0.44%
Al 308	1605613.3	103	mg/L	0.5	103	mg/L	0.5	0.48%
Ca 318	1526294.6	41.4	mg/L	0.05	41.4	mg/L	0.05	0.11%
Ag 328	167842.4	0.288	mg/L	0.0013	0.288	mg/L	0.0013	0.44%
Na 590	-755.3	-0.0071	mg/L	0.00513	-0.0071	mg/L	0.00513	72.51%

Sequence No.: 12
Sample ID: lowstd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 7/19/2005 11:29:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lowstd

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: lowstd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	23.1	0.0057	mg/L	0.00039	0.0057	mg/L	0.00039	6.87%
Se 196	54.8	0.0114	mg/L	0.00235	0.0114	mg/L	0.00235	20.63%
Cd 214	824.6	0.0051	mg/L	0.00101	0.0051	mg/L	0.00101	19.68%
Pb 220	205.2	0.0153	mg/L	0.00015	0.0153	mg/L	0.00015	1.00%
Ba 234	28153.9	0.100	mg/L	0.0014	0.100	mg/L	0.0014	1.39%
Fe 260	4399.2	0.0760	mg/L	0.00000	0.0760	mg/L	0.00000	0.00%
Cr 268	2576.0	0.0115	mg/L	0.00243	0.0115	mg/L	0.00243	21.15%
Mg 279	519.9	0.0970	mg/L	0.00687	0.0970	mg/L	0.00687	7.08%
Al 308	1936.3	0.124	mg/L	0.0044	0.124	mg/L	0.0044	3.54%
Ca 318	4472.8	0.121	mg/L	0.0105	0.121	mg/L	0.0105	8.63%
Ag 328	5615.5	0.0097	mg/L	0.00023	0.0097	mg/L	0.00023	2.43%
Na 590	20042.9	0.188	mg/L	0.0072	0.188	mg/L	0.0072	3.85%

Sequence No.: 13
Sample ID: pb3257
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 7/19/2005 11:33:29 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb3257

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: pb3257

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	19.7	0.0049	mg/L	0.00331	0.0049	mg/L	0.00331	67.60%
Se 196	72.7	0.0152	mg/L	0.00210	0.0152	mg/L	0.00210	13.81%
Cd 214	109.0	0.0007	mg/L	0.00068	0.0007	mg/L	0.00068	99.42%
Pb 220	172.9	0.0129	mg/L	0.00451	0.0129	mg/L	0.00451	35.06%
Ba 234	142.6	0.0005	mg/L	0.00309	0.0005	mg/L	0.00309	606.54%
Fe 260	-1293.6	-0.0223	mg/L	0.00801	-0.0223	mg/L	0.00801	35.84%
Cr 268	624.2	0.0028	mg/L	0.00000	0.0028	mg/L	0.00000	0.00%
Mg 279	10.1	0.0019	mg/L	0.00168	0.0019	mg/L	0.00168	88.63%
Al 308	389.0	0.0249	mg/L	0.01065	0.0249	mg/L	0.01065	42.68%
Ca 318	-415.0	-0.0113	mg/L	0.01081	-0.0113	mg/L	0.01081	95.92%
Ag 328	146.8	0.0003	mg/L	0.00028	0.0003	mg/L	0.00028	109.33%
Na 590	316213.3	2.96	mg/L	0.012	2.96	mg/L	0.012	0.39%

Sequence No.: 14
Sample ID: lcs3257
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 7/19/2005 11:37:46 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs3257

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: lcs3257

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1633.3	0.405	mg/L	0.0007	0.405	mg/L	0.0007	0.18%
Se 196	1868.5	0.387	mg/L	0.0044	0.387	mg/L	0.0044	1.14%
Cd 214	61443.2	0.382	mg/L	0.0009	0.382	mg/L	0.0009	0.22%
Pb 220	5313.6	0.395	mg/L	0.0029	0.395	mg/L	0.0029	0.72%
Ba 234	534499.7	1.91	mg/L	0.005	1.91	mg/L	0.005	0.24%
Fe 260	109288.2	1.89	mg/L	0.028	1.89	mg/L	0.028	1.46%
Cr 268	87154.8	0.389	mg/L	0.0036	0.389	mg/L	0.0036	0.92%
Mg 279	10192.9	1.90	mg/L	0.020	1.90	mg/L	0.020	1.06%
Al 308	29540.9	1.89	mg/L	0.022	1.89	mg/L	0.022	1.16%
Ca 318	71553.1	1.94	mg/L	0.007	1.94	mg/L	0.007	0.37%
Ag 328	208090.5	0.358	mg/L	0.0015	0.358	mg/L	0.0015	0.42%
Na 590	603872.8	5.66	mg/L	0.083	5.66	mg/L	0.083	1.47%

Sequence No.: 15
Sample ID: lcd3257
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 7/19/2005 11:41:59 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcd3257

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: lcd3257

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1647.5	0.408	mg/L	0.0004	0.408	mg/L	0.0004	0.09%
Se 196	1836.8	0.380	mg/L	0.0031	0.380	mg/L	0.0031	0.81%
Cd 214	61823.4	0.385	mg/L	0.0007	0.385	mg/L	0.0007	0.19%
Pb 220	5394.7	0.401	mg/L	0.0012	0.401	mg/L	0.0012	0.31%
Ba 234	541251.7	1.93	mg/L	0.022	1.93	mg/L	0.022	1.16%
Fe 260	113785.3	1.96	mg/L	0.006	1.96	mg/L	0.006	0.32%
Cr 268	87708.9	0.392	mg/L	0.0001	0.392	mg/L	0.0001	0.02%
Mg 279	10321.4	1.93	mg/L	0.026	1.93	mg/L	0.026	1.36%
Al 308	30341.6	1.95	mg/L	0.004	1.95	mg/L	0.004	0.23%
Ca 318	72334.8	1.96	mg/L	0.010	1.96	mg/L	0.010	0.53%
Ag 328	212674.6	0.365	mg/L	0.0006	0.365	mg/L	0.0006	0.15%
Na 590	856231.4	8.03	mg/L	0.019	8.03	mg/L	0.019	0.24%

Sequence No.: 16
Sample ID: G161-2070-20
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 7/19/2005 11:46:13 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2070-20

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: G161-2070-20

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	21.1	0.0066	mg/L	0.00388	0.0066	mg/L	0.00388	58.51%
Se 196	17.0	0.0134	mg/L	0.00393	0.0134	mg/L	0.00393	29.31%
Cd 214	521.5	0.0024	mg/L	0.00026	0.0024	mg/L	0.00026	10.94%
Pb 220	379.0	0.0267	mg/L	0.00054	0.0267	mg/L	0.00054	2.02%
Ba 234	84259.9	0.301	mg/L	0.0014	0.301	mg/L	0.0014	0.47%
Fe 260	946426.6	16.3	mg/L	0.17	16.3	mg/L	0.17	1.02%
Cr 268	4409.0	0.0197	mg/L	0.00021	0.0197	mg/L	0.00021	1.08%
Mg 279	111603.2	20.8	mg/L	0.27	20.8	mg/L	0.27	1.31%
Al 308	204435.8	13.1	mg/L	0.11	13.1	mg/L	0.11	0.83%
Ca 318	2005284.8	54.5	mg/L	0.31	54.5	mg/L	0.31	0.57%
Ag 328	161.0	0.0003	mg/L	0.00039	0.0003	mg/L	0.00039	140.92%
Na 590	2185221.9	20.5	mg/L	0.06	20.5	mg/L	0.06	0.28%

Sequence No.: 17
Sample ID: G161-2070-2P ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 7/19/2005 11:50:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2070-2P ms

Analyte	Back Pressure	Flow
All	130.0 kPa	0.80 L/min

Mean Data: G161-2070-2P ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1579.7	0.393	mg/L	0.0050	0.393	mg/L	0.0050	1.27%
Se 196	1777.0	0.377	mg/L	0.0005	0.377	mg/L	0.0005	0.14%
Cd 214	59838.7	0.371	mg/L	0.0006	0.371	mg/L	0.0006	0.15%
Pb 220	5493.5	0.407	mg/L	0.0024	0.407	mg/L	0.0024	0.60%
Ba 234	600605.3	2.14	mg/L	0.010	2.14	mg/L	0.010	0.46%
Fe 260	1002118.0	17.3	mg/L	0.12	17.3	mg/L	0.12	0.71%
Cr 268	87965.6	0.393	mg/L	0.0028	0.393	mg/L	0.0028	0.70%
Mg 279	115140.9	21.5	mg/L	0.19	21.5	mg/L	0.19	0.90%
Al 308	235220.3	15.1	mg/L	0.01	15.1	mg/L	0.01	0.07%
Ca 318	1943794.7	52.8	mg/L	0.24	52.8	mg/L	0.24	0.45%
Ag 328	209847.4	0.361	mg/L	0.0040	0.361	mg/L	0.0040	1.10%

Na 590	2038726.7	19.1 mg/L	0.03	19.1 mg/L	0.03	0.15%

Sequence No.: 18
Sample ID: G161-2070-2Q msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 7/19/2005 11:54:44 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2070-2Q msd

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: G161-2070-2Q msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1596.6	0.397	mg/L	0.0006	0.397	mg/L	0.0006	0.15%
Se 196	1846.7	0.391	mg/L	0.0004	0.391	mg/L	0.0004	0.10%
Cd 214	60274.4	0.374	mg/L	0.0018	0.374	mg/L	0.0018	0.49%
Pb 220	5537.1	0.410	mg/L	0.0005	0.410	mg/L	0.0005	0.12%
Ba 234	609175.2	2.17	mg/L	0.003	2.17	mg/L	0.003	0.14%
Fe 260	941274.8	16.3	mg/L	0.01	16.3	mg/L	0.01	0.06%
Cr 268	89687.2	0.401	mg/L	0.0018	0.401	mg/L	0.0018	0.44%
Mg 279	115826.0	21.6	mg/L	0.06	21.6	mg/L	0.06	0.30%
Al 308	214626.4	13.8	mg/L	0.12	13.8	mg/L	0.12	0.87%
Ca 318	1993611.5	54.1	mg/L	0.40	54.1	mg/L	0.40	0.74%
Ag 328	214397.7	0.368	mg/L	0.0033	0.368	mg/L	0.0033	0.88%
Na 590	1943446.8	18.2	mg/L	0.03	18.2	mg/L	0.03	0.14%

Sequence No.: 19
Sample ID: G161-2070-3K
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 7/19/2005 11:58:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2070-3K

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: G161-2070-3K

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	21.6	0.0063	mg/L	0.00035	0.0063	mg/L	0.00035	5.54%
Se 196	36.7	0.0136	mg/L	0.00120	0.0136	mg/L	0.00120	8.83%
Cd 214	421.2	0.0021	mg/L	0.00226	0.0021	mg/L	0.00226	107.48%
Pb 220	180.8	0.0126	mg/L	0.00153	0.0126	mg/L	0.00153	12.19%
Ba 234	44734.6	0.160	mg/L	0.0038	0.160	mg/L	0.0038	2.39%
Fe 260	571406.7	9.87	mg/L	0.026	9.87	mg/L	0.026	0.26%
Cr 268	4565.1	0.0204	mg/L	0.00000	0.0204	mg/L	0.00000	0.00%
Mg 279	73153.0	13.7	mg/L	0.04	13.7	mg/L	0.04	0.31%
Al 308	125443.0	8.05	mg/L	0.040	8.05	mg/L	0.040	0.50%
Ca 318	884752.8	24.0	mg/L	0.02	24.0	mg/L	0.02	0.09%
Ag 328	145.8	0.0003	mg/L	0.00012	0.0003	mg/L	0.00012	46.96%
Na 590	2682542.8	25.1	mg/L	0.10	25.1	mg/L	0.10	0.42%

Sequence No.: 20
Sample ID: ccv2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/19/2005 12:03:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv2

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: ccv2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	2130.1	0.528	mg/L	0.0074	0.528	mg/L	0.0074	1.40%
Se 196	2421.1	0.501	mg/L	0.0014	0.501	mg/L	0.0014	0.28%
Cd 214	80066.1	0.498	mg/L	0.0020	0.498	mg/L	0.0020	0.40%
Pb 220	6755.9	0.502	mg/L	0.0039	0.502	mg/L	0.0039	0.77%
Ba 234	689127.9	2.46	mg/L	0.040	2.46	mg/L	0.040	1.65%
Fe 260	142238.9	2.46	mg/L	0.040	2.46	mg/L	0.040	1.61%
Cr 268	110475.0	0.494	mg/L	0.0019	0.494	mg/L	0.0019	0.39%
Mg 279	13226.6	2.47	mg/L	0.003	2.47	mg/L	0.003	0.10%
Al 308	39204.5	2.51	mg/L	0.017	2.51	mg/L	0.017	0.68%
Ca 318	91031.6	2.47	mg/L	0.035	2.47	mg/L	0.035	1.43%
Ag 328	294353.4	0.506	mg/L	0.0015	0.506	mg/L	0.0015	0.29%
Na 590	266572.5	2.50	mg/L	0.012	2.50	mg/L	0.012	0.49%

Sequence No.: 21
Sample ID: ccb2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/19/2005 12:07:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb2

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: ccb2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	6.8	0.0017	mg/L	0.00191	0.0017	mg/L	0.00191	112.23%
Se 196	3.3	0.0007	mg/L	0.00168	0.0007	mg/L	0.00168	256.32%
Cd 214	-56.4	-0.0003	mg/L	0.00043	-0.0003	mg/L	0.00043	121.96%
Pb 220	121.4	0.0090	mg/L	0.00224	0.0090	mg/L	0.00224	24.82%
Ba 234	-219.0	-0.0008	mg/L	0.00311	-0.0008	mg/L	0.00311	397.78%
Fe 260	-1901.5	-0.0328	mg/L	0.00121	-0.0328	mg/L	0.00121	3.68%
Cr 268	563.0	0.0025	mg/L	0.00080	0.0025	mg/L	0.00080	31.77%
Mg 279	-29.3	-0.0055	mg/L	0.01223	-0.0055	mg/L	0.01223	223.35%
Al 308	50.1	0.0032	mg/L	0.00253	0.0032	mg/L	0.00253	78.59%
Ca 318	317.2	0.0086	mg/L	0.00944	0.0086	mg/L	0.00944	109.59%
Ag 328	259.0	0.0004	mg/L	0.00031	0.0004	mg/L	0.00031	70.36%
Na 590	-1285.2	-0.0120	mg/L	0.00260	-0.0120	mg/L	0.00260	21.56%

Sequence No.: 22
Sample ID: G537-158-3D
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 7/19/2005 12:12:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G537-158-3D

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: G537-158-3D

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-5.3	-0.0013	mg/L	0.00178	-0.0013	mg/L	0.00178	139.53%
Se 196	15.3	0.0038	mg/L	0.00344	0.0038	mg/L	0.00344	90.69%
Cd 214	-8.1	-0.0001	mg/L	0.00043	-0.0001	mg/L	0.00043	414.13%
Pb 220	100.4	0.0074	mg/L	0.00319	0.0074	mg/L	0.00319	43.27%
Ba 234	18203.1	0.0649	mg/L	0.00047	0.0649	mg/L	0.00047	0.73%
Fe 260	57080.3	0.986	mg/L	0.0000	0.986	mg/L	0.0000	0.00%
Cr 268	0.0	0.0000	mg/L	0.00080	0.0000	mg/L	0.00080	>999.9%
Mg 279	500.5	0.0934	mg/L	0.00511	0.0934	mg/L	0.00511	5.47%

Al 308	4840.9	0.311 mg/L	0.0159	0.311 mg/L	0.0159	5.11%
Ca 318	26377.6	0.716 mg/L	0.0040	0.716 mg/L	0.0040	0.56%
Ag 328	33.7	0.0001 mg/L	0.00055	0.0001 mg/L	0.00055	949.31%
Na 590	Saturated4					

Sequence No.: 23
Sample ID: blk071505b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 7/19/2005 12:16:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: blk071505b

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: blk071505b

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-15.4	-0.0038	mg/L	0.00084	-0.0038	mg/L	0.00084	22.05%
Se 196	20.4	0.0043	mg/L	0.00449	0.0043	mg/L	0.00449	105.53%
Cd 214	310.0	0.0019	mg/L	0.00042	0.0019	mg/L	0.00042	22.02%
Pb 220	33.1	0.0025	mg/L	0.00191	0.0025	mg/L	0.00191	77.47%
Ba 234	3770.7	0.0135	mg/L	0.00007	0.0135	mg/L	0.00007	0.51%
Fe 260	-347.9	-0.0060	mg/L	0.02403	-0.0060	mg/L	0.02403	400.02%
Cr 268	939.3	0.0042	mg/L	0.00199	0.0042	mg/L	0.00199	47.45%
Mg 279	175.7	0.0328	mg/L	0.01230	0.0328	mg/L	0.01230	37.49%
Al 308	357.8	0.0229	mg/L	0.00813	0.0229	mg/L	0.00813	35.41%
Ca 318	5453.4	0.148	mg/L	0.0167	0.148	mg/L	0.0167	11.29%
Ag 328	210.7	0.0004	mg/L	0.00011	0.0004	mg/L	0.00011	31.53%
Na 590	Saturated4							

Sequence No.: 24
Sample ID: G122-2617-5F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 7/19/2005 12:21:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2617-5F

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: G122-2617-5F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	17.2	0.0043	mg/L	0.00201	0.0043	mg/L	0.00201	46.64%
Se 196	42.3	0.0090	mg/L	0.00010	0.0090	mg/L	0.00010	1.16%
Cd 214	330.9	0.0020	mg/L	0.00042	0.0020	mg/L	0.00042	20.67%
Pb 220	264.7	0.0197	mg/L	0.00071	0.0197	mg/L	0.00071	3.63%
Ba 234	8368.4	0.0299	mg/L	0.00135	0.0299	mg/L	0.00135	4.53%
Fe 260	14703.8	0.254	mg/L	0.0608	0.254	mg/L	0.0608	23.94%
Cr 268	1937.8	0.0087	mg/L	0.00000	0.0087	mg/L	0.00000	0.00%
Mg 279	9789.2	1.83	mg/L	0.004	1.83	mg/L	0.004	0.24%
Al 308	5316.0	0.341	mg/L	0.0211	0.341	mg/L	0.0211	6.20%
Ca 318	201472.8	5.47	mg/L	0.027	5.47	mg/L	0.027	0.49%
Ag 328	113.8	0.0002	mg/L	0.00051	0.0002	mg/L	0.00051	260.72%
Na 590	2538388.8	23.8	mg/L	0.23	23.8	mg/L	0.23	0.97%

Sequence No.: 25
Sample ID: G122-2617-6F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 7/19/2005 12:25:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2617-6F

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: G122-2617-6F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	4.7	0.0019	mg/L	0.00256	0.0019	mg/L	0.00256	131.80%
Se 196	38.8	0.0128	mg/L	0.00310	0.0128	mg/L	0.00310	24.17%
Cd 214	455.2	0.0024	mg/L	0.00000	0.0024	mg/L	0.00000	0.11%
Pb 220	246.3	0.0176	mg/L	0.00032	0.0176	mg/L	0.00032	1.83%
Ba 234	44574.3	0.159	mg/L	0.0000	0.159	mg/L	0.0000	0.02%
Fe 260	451976.9	7.80	mg/L	0.050	7.80	mg/L	0.050	0.64%
Cr 268	6544.4	0.0292	mg/L	0.00054	0.0292	mg/L	0.00054	1.84%
Mg 279	23270.3	4.34	mg/L	0.035	4.34	mg/L	0.035	0.80%
Al 308	115054.1	7.38	mg/L	0.025	7.38	mg/L	0.025	0.34%
Ca 318	716642.0	19.5	mg/L	0.13	19.5	mg/L	0.13	0.68%
Ag 328	145.7	0.0003	mg/L	0.00043	0.0003	mg/L	0.00043	172.65%
Na 590	1728039.8	16.2	mg/L	0.12	16.2	mg/L	0.12	0.74%

Sequence No.: 26
Sample ID: G122-2617-7F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 7/19/2005 12:30:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2617-7F

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: G122-2617-7F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	21.5	0.0050	mg/L	0.00121	0.0050	mg/L	0.00121	24.39%
Se 196	65.8	0.0142	mg/L	0.00129	0.0142	mg/L	0.00129	9.09%
Cd 214	261.6	0.0016	mg/L	0.00085	0.0016	mg/L	0.00085	53.33%
Pb 220	159.2	0.0118	mg/L	0.00233	0.0118	mg/L	0.00233	19.80%
Ba 234	115603.1	0.412	mg/L	0.0009	0.412	mg/L	0.0009	0.23%
Fe 260	36760.4	0.635	mg/L	0.0368	0.635	mg/L	0.0368	5.79%
Cr 268	1407.5	0.0063	mg/L	0.00021	0.0063	mg/L	0.00021	3.28%
Mg 279	14038.4	2.62	mg/L	0.012	2.62	mg/L	0.012	0.47%
Al 308	22524.8	1.44	mg/L	0.001	1.44	mg/L	0.001	0.09%
Ca 318	328723.0	8.93	mg/L	0.024	8.93	mg/L	0.024	0.27%
Ag 328	98.2	0.0002	mg/L	0.00031	0.0002	mg/L	0.00031	184.86%
Na 590	728696.5	6.83	mg/L	0.048	6.83	mg/L	0.048	0.70%

Sequence No.: 27
Sample ID: G122-2617-8F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 7/19/2005 12:34:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2617-8F

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: G122-2617-8F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	11.3	0.0028	mg/L	0.00254	0.0028	mg/L	0.00254	89.41%
Se 196	42.4	0.0090	mg/L	0.00082	0.0090	mg/L	0.00082	9.12%
Cd 214	280.0	0.0017	mg/L	0.00009	0.0017	mg/L	0.00009	5.36%
Pb 220	127.9	0.0095	mg/L	0.00164	0.0095	mg/L	0.00164	17.24%
Ba 234	2475.7	0.0088	mg/L	0.00029	0.0088	mg/L	0.00029	3.30%

Fe 260	10419.9	0.180 mg/L	0.0184	0.180 mg/L	0.0184	10.21%
Cr 268	1041.0	0.0047 mg/L	0.00028	0.0047 mg/L	0.00028	5.92%
Mg 279	17058.1	3.18 mg/L	0.040	3.18 mg/L	0.040	1.27%
Al 308	1584.4	0.102 mg/L	0.0076	0.102 mg/L	0.0076	7.47%
Ca 318	215853.4	5.86 mg/L	0.036	5.86 mg/L	0.036	0.62%
Ag 328	178.5	0.0003 mg/L	0.00012	0.0003 mg/L	0.00012	38.34%
Na 590	7271125.0	68.2 mg/L	0.72	68.2 mg/L	0.72	1.06%

Sequence No.: 28
Sample ID: G122-2617-9F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 7/19/2005 12:39:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2617-9F

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: G122-2617-9F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5.7	0.0014	mg/L	0.00042	0.0014	mg/L	0.00042	30.56%
Se 196	3.7	0.0012	mg/L	0.00049	0.0012	mg/L	0.00049	41.47%
Cd 214	510.7	0.0031	mg/L	0.00023	0.0031	mg/L	0.00023	7.45%
Pb 220	221.2	0.0164	mg/L	0.00032	0.0164	mg/L	0.00032	1.97%
Ba 234	37956.4	0.135	mg/L	0.0026	0.135	mg/L	0.0026	1.93%
Fe 260	40523.4	0.700	mg/L	0.0000	0.700	mg/L	0.0000	0.00%
Cr 268	1374.8	0.0061	mg/L	0.00000	0.0061	mg/L	0.00000	0.00%
Mg 279	14160.0	2.64	mg/L	0.003	2.64	mg/L	0.003	0.10%
Al 308	8894.1	0.570	mg/L	0.0144	0.570	mg/L	0.0144	2.52%
Ca 318	219403.1	5.96	mg/L	0.080	5.96	mg/L	0.080	1.35%
Ag 328	1.3	0.0000	mg/L	0.00016	0.0000	mg/L	0.00016	>999.9%
Na 590	5726252.2	53.7	mg/L	0.25	53.7	mg/L	0.25	0.47%

Sequence No.: 29
Sample ID: G122-2617-10J
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 7/19/2005 12:43:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2617-10J

Analyte	Back Pressure	Flow
All	130.0 kPa	0.80 L/min

Mean Data: G122-2617-10J

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1.9	0.0006	mg/L	0.00337	0.0006	mg/L	0.00337	604.55%
Se 196	31.7	0.0069	mg/L	0.00527	0.0069	mg/L	0.00527	76.36%
Cd 214	387.3	0.0024	mg/L	0.00170	0.0024	mg/L	0.00170	71.39%
Pb 220	1144.7	0.0851	mg/L	0.00031	0.0851	mg/L	0.00031	0.36%
Ba 234	5065.9	0.0181	mg/L	0.00187	0.0181	mg/L	0.00187	10.35%
Fe 260	25799.5	0.445	mg/L	0.0104	0.445	mg/L	0.0104	2.33%
Cr 268	1750.1	0.0078	mg/L	0.00119	0.0078	mg/L	0.00119	15.16%
Mg 279	11981.7	2.24	mg/L	0.025	2.24	mg/L	0.025	1.13%
Al 308	2546.7	0.163	mg/L	0.0010	0.163	mg/L	0.0010	0.59%
Ca 318	225779.6	6.13	mg/L	0.058	6.13	mg/L	0.058	0.95%
Ag 328	33.7	0.0001	mg/L	0.00055	0.0001	mg/L	0.00055	949.31%
Na 590	13967881.1	131	mg/L	0.5	131	mg/L	0.5	0.41%

Saturated within survey window (code 5)

Sequence No.: 30
Sample ID: G122-2617-11H
Analyst:

Autosampler Location: 25
Date Collected: 7/19/2005 12:48:45 PM
Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: G122-2617-11H

Analyte	Back Pressure	Flow
All	129.0 kPa	0.80 L/min

Mean Data: G122-2617-11H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-81.0	0.0075	mg/L	0.00387	0.0075	mg/L	0.00387	51.45%
Se 196	-883.3	-0.0227	mg/L	0.00108	-0.0227	mg/L	0.00108	4.76%
Cd 214	4273.7	0.0123	mg/L	0.00244	0.0123	mg/L	0.00244	19.76%
Pb 220	4868.8	0.338	mg/L	0.0008	0.338	mg/L	0.0008	0.23%
Ba 234	87986.3	0.314	mg/L	0.0066	0.314	mg/L	0.0066	2.09%
Fe 260	15586881.3	269	mg/L	0.9	269	mg/L	0.9	0.32%
Cr 268	53062.2	0.237	mg/L	0.0047	0.237	mg/L	0.0047	2.00%
Mg 279	225636.3	42.1	mg/L	0.96	42.1	mg/L	0.96	2.28%
Al 308	188277.9	12.1	mg/L	0.00	12.1	mg/L	0.00	0.00%
Ca 318	15603585.2	424	mg/L	6.6	424	mg/L	6.6	1.57%
Ag 328	-3402.2	-0.0058	mg/L	0.00016	-0.0058	mg/L	0.00016	2.69%
Na 590	Saturated4							

Sequence No.: 31 Autosampler Location: 26
Sample ID: G122-2617-12F Date Collected: 7/19/2005 12:53:30 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: G122-2617-12F

Analyte	Back Pressure	Flow
All	132.0 kPa	0.80 L/min

Mean Data: G122-2617-12F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	23.0	0.0057	mg/L	0.00900	0.0057	mg/L	0.00900	156.63%
Se 196	43.9	0.0093	mg/L	0.00000	0.0093	mg/L	0.00000	0.01%
Cd 214	481.8	0.0030	mg/L	0.00310	0.0030	mg/L	0.00310	103.93%
Pb 220	211.1	0.0157	mg/L	0.00183	0.0157	mg/L	0.00183	11.64%
Ba 234	5262.5	0.0188	mg/L	0.00277	0.0188	mg/L	0.00277	14.76%
Fe 260	12610.8	0.218	mg/L	0.0016	0.218	mg/L	0.0016	0.75%
Cr 268	1750.1	0.0078	mg/L	0.00119	0.0078	mg/L	0.00119	15.16%
Mg 279	6043.8	1.13	mg/L	0.007	1.13	mg/L	0.007	0.61%
Al 308	6211.1	0.398	mg/L	0.0031	0.398	mg/L	0.0031	0.77%
Ca 318	193698.2	5.26	mg/L	0.043	5.26	mg/L	0.043	0.82%
Ag 328	64.9	0.0001	mg/L	0.00031	0.0001	mg/L	0.00031	279.76%
Na 590	4329760.9	40.6	mg/L	0.28	40.6	mg/L	0.28	0.70%

Sequence No.: 32 Autosampler Location: 3
Sample ID: ccv3 Date Collected: 7/19/2005 12:58:10 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Nebulizer Parameters: ccv3

Analyte	Back Pressure	Flow
All	132.0 kPa	0.80 L/min

Mean Data: ccv3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	2190.7	0.543	mg/L	0.0056	0.543	mg/L	0.0056	1.03%

Se 196	2480.4	0.513 mg/L	0.0040	0.513 mg/L	0.0040	0.77%
Cd 214	82988.4	0.516 mg/L	0.0007	0.516 mg/L	0.0007	0.14%
Pb 220	7041.1	0.524 mg/L	0.0019	0.524 mg/L	0.0019	0.37%
Ba 234	725351.2	2.59 mg/L	0.001	2.59 mg/L	0.001	0.03%
Fe 260	149223.8	2.58 mg/L	0.008	2.58 mg/L	0.008	0.31%
Cr 268	115833.3	0.517 mg/L	0.0014	0.517 mg/L	0.0014	0.27%
Mg 279	14143.9	2.64 mg/L	0.023	2.64 mg/L	0.023	0.86%
Al 308	41388.0	2.65 mg/L	0.014	2.65 mg/L	0.014	0.52%
Ca 318	98584.9	2.68 mg/L	0.007	2.68 mg/L	0.007	0.26%
Ag 328	303776.2	0.522 mg/L	0.0009	0.522 mg/L	0.0009	0.16%
Na 590	281464.6	2.64 mg/L	0.005	2.64 mg/L	0.005	0.17%

Sequence No.: 33
Sample ID: ccb3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/19/2005 01:02:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb3

Analyte	Back Pressure	Flow
All	132.0 kPa	0.80 L/min

Mean Data: ccb3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-15.6	-0.0038	mg/L	0.00074	-0.0038	mg/L	0.00074	19.36%
Se 196	12.9	0.0027	mg/L	0.00063	0.0027	mg/L	0.00063	23.51%
Cd 214	137.2	0.0009	mg/L	0.00043	0.0009	mg/L	0.00043	50.08%
Pb 220	35.6	0.0026	mg/L	0.00236	0.0026	mg/L	0.00236	89.27%
Ba 234	156.3	0.0006	mg/L	0.00121	0.0006	mg/L	0.00121	217.74%
Fe 260	-231.6	-0.0040	mg/L	0.03394	-0.0040	mg/L	0.03394	848.73%
Cr 268	666.7	0.0030	mg/L	0.00210	0.0030	mg/L	0.00210	70.59%
Mg 279	-82.3	-0.0154	mg/L	0.03308	-0.0154	mg/L	0.03308	215.38%
Al 308	325.8	0.0209	mg/L	0.00760	0.0209	mg/L	0.00760	36.35%
Ca 318	-8.6	-0.0002	mg/L	0.00688	-0.0002	mg/L	0.00688	>999.9%
Ag 328	64.1	0.0001	mg/L	0.00000	0.0001	mg/L	0.00000	0.00%
Na 590	532.1	0.0050	mg/L	0.00078	0.0050	mg/L	0.00078	15.68%

Sequence No.: 34
Sample ID: G122-2617-13F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 7/19/2005 01:06:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2617-13F

Analyte	Back Pressure	Flow
All	132.0 kPa	0.80 L/min

Mean Data: G122-2617-13F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7.0	0.0018	mg/L	0.00445	0.0018	mg/L	0.00445	242.22%
Se 196	26.9	0.0061	mg/L	0.00452	0.0061	mg/L	0.00452	74.01%
Cd 214	324.4	0.0020	mg/L	0.00030	0.0020	mg/L	0.00030	15.12%
Pb 220	148.3	0.0110	mg/L	0.00073	0.0110	mg/L	0.00073	6.69%
Ba 234	1781.9	0.0064	mg/L	0.00234	0.0064	mg/L	0.00234	36.86%
Fe 260	47181.4	0.815	mg/L	0.0028	0.815	mg/L	0.0028	0.35%
Cr 268	1195.0	0.0053	mg/L	0.00243	0.0053	mg/L	0.00243	45.59%
Mg 279	6143.4	1.15	mg/L	0.007	1.15	mg/L	0.007	0.60%
Al 308	1249.7	0.0802	mg/L	0.02277	0.0802	mg/L	0.02277	28.40%
Ca 318	441675.3	12.0	mg/L	0.05	12.0	mg/L	0.05	0.45%
Ag 328	97.0	0.0002	mg/L	0.00063	0.0002	mg/L	0.00063	375.27%
Na 590	1634597.8	15.3	mg/L	0.00	15.3	mg/L	0.00	0.03%

Sequence No.: 35
Sample ID: G122-2618-1I
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 7/19/2005 01:10:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-1I

Analyte	Back Pressure	Flow
All	134.0 kPa	0.80 L/min

Mean Data: G122-2618-1I

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	24.8	0.0116	mg/L	0.00048	0.0116	mg/L	0.00048	4.17%
Se 196	-64.9	0.0176	mg/L	0.00636	0.0176	mg/L	0.00636	36.17%
Cd 214	381.2	-0.0004	mg/L	0.00085	-0.0004	mg/L	0.00085	229.96%
Pb 220	134.6	0.0054	mg/L	0.00049	0.0054	mg/L	0.00049	9.07%
Ba 234	34659.6	0.124	mg/L	0.0021	0.124	mg/L	0.0021	1.68%
Fe 260	2999620.9	51.8	mg/L	0.03	51.8	mg/L	0.03	0.06%
Cr 268	16007.4	0.0715	mg/L	0.00092	0.0715	mg/L	0.00092	1.28%
Mg 279	284436.7	53.1	mg/L	0.10	53.1	mg/L	0.10	0.19%
Al 308	163344.5	10.5	mg/L	0.06	10.5	mg/L	0.06	0.59%
Ca 318	3357800.6	91.2	mg/L	0.91	91.2	mg/L	0.91	1.00%
Ag 328	1591.5	0.0027	mg/L	0.00020	0.0027	mg/L	0.00020	7.24%
Na 590	Saturated4							

Sequence No.: 36
Sample ID: G122-2618-2H
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 7/19/2005 01:15:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-2H

Analyte	Back Pressure	Flow
All	136.0 kPa	0.80 L/min

Mean Data: G122-2618-2H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	85.3	0.0279	mg/L	0.00745	0.0279	mg/L	0.00745	26.67%
Se 196	-94.4	0.0166	mg/L	0.00094	0.0166	mg/L	0.00094	5.68%
Cd 214	841.3	0.0021	mg/L	0.00069	0.0021	mg/L	0.00069	33.72%
Pb 220	79.8	0.0005	mg/L	0.00125	0.0005	mg/L	0.00125	235.64%
Ba 234	26563.5	0.0948	mg/L	0.00095	0.0948	mg/L	0.00095	1.00%
Fe 260	3480486.6	60.1	mg/L	0.06	60.1	mg/L	0.06	0.10%
Cr 268	34867.4	0.156	mg/L	0.0009	0.156	mg/L	0.0009	0.55%
Mg 279	263767.0	49.2	mg/L	0.28	49.2	mg/L	0.28	0.56%
Al 308	1289482.5	82.7	mg/L	0.34	82.7	mg/L	0.34	0.41%
Ca 318	1836562.9	49.9	mg/L	0.01	49.9	mg/L	0.01	0.01%
Ag 328	-5736.7	-0.0099	mg/L	0.00031	-0.0099	mg/L	0.00031	3.18%
Na 590	Saturated4							

Sequence No.: 37
Sample ID: G122-2618-3H
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 7/19/2005 01:20:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-3H

Analyte	Back Pressure	Flow
All	139.0 kPa	0.80 L/min

Mean Data: G122-2618-3H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	30.5	0.0122	mg/L	0.00203	0.0122	mg/L	0.00203	16.68%
Se 196	74.9	0.0422	mg/L	0.00059	0.0422	mg/L	0.00059	1.40%
Cd 214	429.6	0.0003	mg/L	0.00128	0.0003	mg/L	0.00128	379.84%
Pb 220	20.5	-0.0024	mg/L	0.00000	-0.0024	mg/L	0.00000	0.20%
Ba 234	8574.7	0.0306	mg/L	0.00257	0.0306	mg/L	0.00257	8.40%
Fe 260	2554658.3	44.1	mg/L	0.03	44.1	mg/L	0.03	0.07%
Cr 268	10681.8	0.0477	mg/L	0.00059	0.0477	mg/L	0.00059	1.24%
Mg 279	130098.5	24.3	mg/L	0.08	24.3	mg/L	0.08	0.33%
Al 308	205917.5	13.2	mg/L	0.08	13.2	mg/L	0.08	0.61%
Ca 318	1617519.2	43.9	mg/L	0.03	43.9	mg/L	0.03	0.07%
Ag 328	1610.5	0.0028	mg/L	0.00016	0.0028	mg/L	0.00016	5.71%
Na 590	Saturated4							

Sequence No.: 38
Sample ID: G122-2618-4H
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 7/19/2005 01:24:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-4H

Analyte	Back Pressure	Flow
All	142.0 kPa	0.80 L/min

Mean Data: G122-2618-4H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	23.5	0.0061	mg/L	0.00555	0.0061	mg/L	0.00555	90.40%
Se 196	54.3	0.0136	mg/L	0.00119	0.0136	mg/L	0.00119	8.77%
Cd 214	23.5	0.0000	mg/L	0.00124	0.0000	mg/L	0.00124	>999.9%
Pb 220	128.6	0.0092	mg/L	0.00057	0.0092	mg/L	0.00057	6.21%
Ba 234	21080.5	0.0752	mg/L	0.00016	0.0752	mg/L	0.00016	0.21%
Fe 260	211736.9	3.66	mg/L	0.009	3.66	mg/L	0.009	0.25%
Cr 268	1562.5	0.0070	mg/L	0.00000	0.0070	mg/L	0.00000	0.00%
Mg 279	8302.1	1.55	mg/L	0.007	1.55	mg/L	0.007	0.45%
Al 308	45339.9	2.91	mg/L	0.025	2.91	mg/L	0.025	0.87%
Ca 318	76865.7	2.09	mg/L	0.012	2.09	mg/L	0.012	0.58%
Ag 328	468.7	0.0008	mg/L	0.00035	0.0008	mg/L	0.00035	43.82%
Na 590	Saturated4							

Sequence No.: 39
Sample ID: G122-2618-5H
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 7/19/2005 01:29:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-5H

Analyte	Back Pressure	Flow
All	144.0 kPa	0.80 L/min

Mean Data: G122-2618-5H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3363.7	0.838	mg/L	0.0007	0.838	mg/L	0.0007	0.08%
Se 196	-121.1	-0.0081	mg/L	0.00629	-0.0081	mg/L	0.00629	77.93%
Cd 214	1156.5	0.0058	mg/L	0.00101	0.0058	mg/L	0.00101	17.32%
Pb 220	1412.2	0.103	mg/L	0.0043	0.103	mg/L	0.0043	4.22%
Ba 234	27711.2	0.0989	mg/L	0.00237	0.0989	mg/L	0.00237	2.39%
Fe 260	1489206.6	25.7	mg/L	0.03	25.7	mg/L	0.03	0.11%
Cr 268	113116.8	0.505	mg/L	0.0041	0.505	mg/L	0.0041	0.82%
Mg 279	848001.8	158	mg/L	2.0	158	mg/L	2.0	1.27%
Al 308	7305266.4	469	mg/L	0.7	469	mg/L	0.7	0.15%
Ca 318	6043599.0	164	mg/L	0.7	164	mg/L	0.7	0.42%
Ag 328	-72136.2	-0.124	mg/L	0.0012	-0.124	mg/L	0.0012	0.95%

Na 590 Saturated4

Sequence No.: 40
Sample ID: G122-2618-6H
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 33
Date Collected: 7/19/2005 01:34:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-6H

Analyte	Back Pressure	Flow
All	143.0 kPa	0.80 L/min

Mean Data: G122-2618-6H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	92.4	0.0273	mg/L	0.00381	0.0273	mg/L	0.00381	13.91%
Se 196	-91.7	0.0016	mg/L	0.00646	0.0016	mg/L	0.00646	396.77%
Cd 214	1033.1	0.0046	mg/L	0.00181	0.0046	mg/L	0.00181	39.21%
Pb 220	525.6	0.0360	mg/L	0.00056	0.0360	mg/L	0.00056	1.56%
Ba 234	51794.5	0.185	mg/L	0.0005	0.185	mg/L	0.0005	0.26%
Fe 260	1994192.5	34.4	mg/L	0.28	34.4	mg/L	0.28	0.83%
Cr 268	43855.3	0.196	mg/L	0.0007	0.196	mg/L	0.0007	0.38%
Mg 279	275972.7	51.5	mg/L	0.38	51.5	mg/L	0.38	0.73%
Al 308	361496.8	23.2	mg/L	0.03	23.2	mg/L	0.03	0.11%
Ca 318	10653601.5	289	mg/L	1.0	289	mg/L	1.0	0.36%
Ag 328	-3687.4	-0.0063	mg/L	0.00075	-0.0063	mg/L	0.00075	11.78%
Na 590	Saturated4							

Sequence No.: 41
Sample ID: G122-2618-7H
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 34
Date Collected: 7/19/2005 01:39:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-7H

Analyte	Back Pressure	Flow
All	143.0 kPa	0.80 L/min

Mean Data: G122-2618-7H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	229.2	0.0578	mg/L	0.00390	0.0578	mg/L	0.00390	6.74%
Se 196	11.6	0.0072	mg/L	0.00462	0.0072	mg/L	0.00462	63.83%
Cd 214	981.3	0.0057	mg/L	0.00055	0.0057	mg/L	0.00055	9.70%
Pb 220	365.7	0.0265	mg/L	0.00249	0.0265	mg/L	0.00249	9.40%
Ba 234	64010.0	0.228	mg/L	0.0001	0.228	mg/L	0.0001	0.03%
Fe 260	444190.0	7.67	mg/L	0.007	7.67	mg/L	0.007	0.09%
Cr 268	20516.3	0.0916	mg/L	0.00119	0.0916	mg/L	0.00119	1.29%
Mg 279	1018188.6	190	mg/L	0.7	190	mg/L	0.7	0.37%
Al 308	539461.5	34.6	mg/L	0.18	34.6	mg/L	0.18	0.51%
Ca 318	7969504.1	216	mg/L	1.2	216	mg/L	1.2	0.56%
Ag 328	-7011.4	-0.0120	mg/L	0.00015	-0.0120	mg/L	0.00015	1.28%
Na 590	Saturated4							

Sequence No.: 42
Sample ID: G122-2618-7I dup
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 7/19/2005 01:43:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-7I dup

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: G122-2618-7I dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	190.6	0.0482	mg/L	0.00141	0.0482	mg/L	0.00141	2.93%
Se 196	5.6	0.0058	mg/L	0.00231	0.0058	mg/L	0.00231	40.09%
Cd 214	850.5	0.0049	mg/L	0.00085	0.0049	mg/L	0.00085	17.40%
Pb 220	358.5	0.0260	mg/L	0.00118	0.0260	mg/L	0.00118	4.52%
Ba 234	65542.6	0.234	mg/L	0.0020	0.234	mg/L	0.0020	0.87%
Fe 260	424719.0	7.33	mg/L	0.028	7.33	mg/L	0.028	0.38%
Cr 268	20620.0	0.0921	mg/L	0.00184	0.0921	mg/L	0.00184	2.00%
Mg 279	991883.4	185	mg/L	0.3	185	mg/L	0.3	0.15%
Al 308	522348.5	33.5	mg/L	0.35	33.5	mg/L	0.35	1.03%
Ca 318	7854726.2	213	mg/L	0.1	213	mg/L	0.1	0.06%
Ag 328	-6091.5	-0.0105	mg/L	0.00075	-0.0105	mg/L	0.00075	7.12%
Na 590	Saturated4							

Sequence No.: 43
Sample ID: pb3258
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 7/19/2005 01:48:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb3258

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: pb3258

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	12.9	0.0032	mg/L	0.00431	0.0032	mg/L	0.00431	133.85%
Se 196	13.2	0.0028	mg/L	0.00465	0.0028	mg/L	0.00465	164.38%
Cd 214	199.3	0.0012	mg/L	0.00055	0.0012	mg/L	0.00055	44.43%
Pb 220	42.1	0.0031	mg/L	0.00277	0.0031	mg/L	0.00277	88.75%
Ba 234	151.6	0.0005	mg/L	0.00066	0.0005	mg/L	0.00066	121.20%
Fe 260	7033.2	0.121	mg/L	0.0092	0.121	mg/L	0.0092	7.57%
Cr 268	887.0	0.0040	mg/L	0.00362	0.0040	mg/L	0.00362	91.34%
Mg 279	1327.7	0.248	mg/L	0.0034	0.248	mg/L	0.0034	1.38%
Al 308	1264.5	0.0811	mg/L	0.00386	0.0811	mg/L	0.00386	4.76%
Ca 318	24677.5	0.670	mg/L	0.0108	0.670	mg/L	0.0108	1.61%
Ag 328	387.3	0.0007	mg/L	0.00032	0.0007	mg/L	0.00032	47.42%
Na 590	9832836.4	92.2	mg/L	0.27	92.2	mg/L	0.27	0.29%

Sequence No.: 44
Sample ID: ccv4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/19/2005 01:53:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv4

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: ccv4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	2183.3	0.541	mg/L	0.0072	0.541	mg/L	0.0072	1.32%
Se 196	2520.6	0.522	mg/L	0.0060	0.522	mg/L	0.0060	1.15%
Cd 214	82514.8	0.513	mg/L	0.0023	0.513	mg/L	0.0023	0.44%
Pb 220	6928.3	0.515	mg/L	0.0085	0.515	mg/L	0.0085	1.64%
Ba 234	709444.1	2.53	mg/L	0.017	2.53	mg/L	0.017	0.65%
Fe 260	146213.4	2.52	mg/L	0.008	2.52	mg/L	0.008	0.32%
Cr 268	114415.9	0.511	mg/L	0.0015	0.511	mg/L	0.0015	0.30%
Mg 279	13577.6	2.53	mg/L	0.018	2.53	mg/L	0.018	0.73%

Al 308	39848.6	2.56 mg/L	0.020	2.56 mg/L	0.020	0.79%
Ca 318	94188.7	2.56 mg/L	0.014	2.56 mg/L	0.014	0.56%
Ag 328	299935.2	0.515 mg/L	0.0009	0.515 mg/L	0.0009	0.17%
Na 590	374554.4	3.51 mg/L	0.039	3.51 mg/L	0.039	1.10%

Sequence No.: 45
Sample ID: ccb4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/19/2005 01:57:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb4

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: ccb4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	10.7	0.0027	mg/L	0.00265	0.0027	mg/L	0.00265	99.60%
Se 196	-3.0	-0.0007	mg/L	0.00735	-0.0007	mg/L	0.00735	>999.9%
Cd 214	254.2	0.0016	mg/L	0.00110	0.0016	mg/L	0.00110	69.55%
Pb 220	51.7	0.0038	mg/L	0.00121	0.0038	mg/L	0.00121	31.44%
Ba 234	392.8	0.0014	mg/L	0.00182	0.0014	mg/L	0.00182	130.21%
Fe 260	-1997.8	-0.0345	mg/L	0.00919	-0.0345	mg/L	0.00919	26.64%
Cr 268	351.6	0.0016	mg/L	0.00183	0.0016	mg/L	0.00183	116.81%
Mg 279	-23.2	-0.0043	mg/L	0.00188	-0.0043	mg/L	0.00188	43.36%
Al 308	242.0	0.0155	mg/L	0.00878	0.0155	mg/L	0.00878	56.57%
Ca 318	-169.2	-0.0046	mg/L	0.00137	-0.0046	mg/L	0.00137	29.83%
Ag 328	130.6	0.0002	mg/L	0.00063	0.0002	mg/L	0.00063	278.67%
Na 590	94915.9	0.890	mg/L	0.0091	0.890	mg/L	0.0091	1.03%

Sequence No.: 46
Sample ID: lcs3258
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 7/19/2005 02:01:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs3258

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: lcs3258

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1686.1	0.418	mg/L	0.0004	0.418	mg/L	0.0004	0.10%
Se 196	1900.4	0.394	mg/L	0.0040	0.394	mg/L	0.0040	1.01%
Cd 214	64915.9	0.404	mg/L	0.0021	0.404	mg/L	0.0021	0.53%
Pb 220	5690.2	0.423	mg/L	0.0017	0.423	mg/L	0.0017	0.41%
Ba 234	557657.5	1.99	mg/L	0.020	1.99	mg/L	0.020	1.01%
Fe 260	120297.6	2.08	mg/L	0.018	2.08	mg/L	0.018	0.88%
Cr 268	87716.8	0.392	mg/L	0.0024	0.392	mg/L	0.0024	0.61%
Mg 279	11266.4	2.10	mg/L	0.010	2.10	mg/L	0.010	0.46%
Al 308	30632.1	1.96	mg/L	0.004	1.96	mg/L	0.004	0.22%
Ca 318	93951.5	2.55	mg/L	0.017	2.55	mg/L	0.017	0.67%
Ag 328	218949.4	0.376	mg/L	0.0015	0.376	mg/L	0.0015	0.41%
Na 590	7712205.5	72.3	mg/L	0.07	72.3	mg/L	0.07	0.10%

Sequence No.: 47
Sample ID: lcd3258
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 7/19/2005 02:06:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcd3258

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: lcd3258

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1724.1	0.427	mg/L	0.0048	0.427	mg/L	0.0048	1.13%
Se 196	1919.6	0.398	mg/L	0.0005	0.398	mg/L	0.0005	0.11%
Cd 214	65190.2	0.406	mg/L	0.0009	0.406	mg/L	0.0009	0.21%
Pb 220	5655.8	0.421	mg/L	0.0028	0.421	mg/L	0.0028	0.66%
Ba 234	556617.3	1.99	mg/L	0.018	1.99	mg/L	0.018	0.89%
Fe 260	121948.5	2.11	mg/L	0.009	2.11	mg/L	0.009	0.44%
Cr 268	90335.1	0.404	mg/L	0.0011	0.404	mg/L	0.0011	0.28%
Mg 279	11312.5	2.11	mg/L	0.004	2.11	mg/L	0.004	0.21%
Al 308	31551.8	2.02	mg/L	0.000	2.02	mg/L	0.000	0.00%
Ca 318	87579.7	2.38	mg/L	0.005	2.38	mg/L	0.005	0.21%
Ag 328	220516.1	0.379	mg/L	0.0002	0.379	mg/L	0.0002	0.06%
Na 590	4361772.7	40.9	mg/L	0.14	40.9	mg/L	0.14	0.35%

Sequence No.: 48
Sample ID: G122-2618-8H
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 7/19/2005 02:11:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-8H

Analyte	Back Pressure	Flow
All	142.0 kPa	0.80 L/min

Mean Data: G122-2618-8H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-14.1	0.0061	mg/L	0.00589	0.0061	mg/L	0.00589	95.95%
Se 196	10.1	0.0043	mg/L	0.00159	0.0043	mg/L	0.00159	36.50%
Cd 214	67.9	0.0002	mg/L	0.00085	0.0002	mg/L	0.00085	380.35%
Pb 220	10.3	0.0004	mg/L	0.00312	0.0004	mg/L	0.00312	719.89%
Ba 234	30410.1	0.108	mg/L	0.0023	0.108	mg/L	0.0023	2.10%
Fe 260	216889.8	3.74	mg/L	0.030	3.74	mg/L	0.030	0.81%
Cr 268	310459.5	1.39	mg/L	0.004	1.39	mg/L	0.004	0.30%
Mg 279	2753206.6	514	mg/L	4.4	514	mg/L	4.4	0.85%
Saturated within survey window (code 5)								
Al 308	36693.7	2.35	mg/L	0.031	2.35	mg/L	0.031	1.31%
Ca 318	15786593.7	429	mg/L	2.6	429	mg/L	2.6	0.62%
Ag 328	725.3	0.0012	mg/L	0.00075	0.0012	mg/L	0.00075	59.80%
Na 590	Saturated4							

Sequence No.: 49
Sample ID: G122-2618-8I ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 7/19/2005 02:15:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-8I ms

Analyte	Back Pressure	Flow
All	143.0 kPa	0.80 L/min

Mean Data: G122-2618-8I ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1527.8	0.389	mg/L	0.0021	0.389	mg/L	0.0021	0.53%
Se 196	2176.4	0.453	mg/L	0.0092	0.453	mg/L	0.0092	2.04%
Cd 214	49881.0	0.310	mg/L	0.0007	0.310	mg/L	0.0007	0.22%
Pb 220	4704.2	0.350	mg/L	0.0029	0.350	mg/L	0.0029	0.84%

Ba 234	202427.8	0.722 mg/L	0.0041	0.722 mg/L	0.0041	0.57%
Fe 260	291202.8	5.03 mg/L	0.004	5.03 mg/L	0.004	0.08%
Cr 268	359918.2	1.61 mg/L	0.005	1.61 mg/L	0.005	0.29%
Mg 279	2584112.8	482 mg/L	4.4	482 mg/L	4.4	0.92%
Saturated within survey window (code 5)						
Al 308	57159.9	3.67 mg/L	0.031	3.67 mg/L	0.031	0.84%
Ca 318	11527758.1	313 mg/L	1.5	313 mg/L	1.5	0.49%
Ag 328	214689.3	0.369 mg/L	0.0029	0.369 mg/L	0.0029	0.80%
Na 590	Saturated4					

Sequence No.: 50
Sample ID: G122-2618-8J msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 7/19/2005 02:20:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-8J msd

Analyte	Back Pressure	Flow
All	144.0 kPa	0.80 L/min

Mean Data: G122-2618-8J msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	1486.3	0.378	mg/L	0.0050	0.378	mg/L	0.0050	1.31%
Se 196	2042.6	0.425	mg/L	0.0044	0.425	mg/L	0.0044	1.03%
Cd 214	48041.4	0.299	mg/L	0.0024	0.299	mg/L	0.0024	0.80%
Pb 220	4561.5	0.339	mg/L	0.0011	0.339	mg/L	0.0011	0.32%
Ba 234	216480.6	0.772	mg/L	0.0071	0.772	mg/L	0.0071	0.92%
Fe 260	292263.7	5.05	mg/L	0.064	5.05	mg/L	0.064	1.27%
Cr 268	358782.3	1.60	mg/L	0.029	1.60	mg/L	0.029	1.83%
Mg 279	2616219.5	488	mg/L	3.7	488	mg/L	3.7	0.76%
Saturated within survey window (code 5)								
Al 308	57893.3	3.71	mg/L	0.025	3.71	mg/L	0.025	0.66%
Ca 318	14956210.6	406	mg/L	5.8	406	mg/L	5.8	1.43%
Ag 328	223354.6	0.384	mg/L	0.0033	0.384	mg/L	0.0033	0.86%
Na 590	Saturated4							

Sequence No.: 51
Sample ID: G122-2618-9F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 7/19/2005 02:25:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-9F

Analyte	Back Pressure	Flow
All	143.0 kPa	0.80 L/min

Mean Data: G122-2618-9F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	26.4	0.0066	mg/L	0.00120	0.0066	mg/L	0.00120	18.19%
Se 196	61.9	0.0134	mg/L	0.00922	0.0134	mg/L	0.00922	68.67%
Cd 214	302.6	0.0018	mg/L	0.00238	0.0018	mg/L	0.00238	129.20%
Pb 220	121.9	0.0090	mg/L	0.00107	0.0090	mg/L	0.00107	11.88%
Ba 234	16434.0	0.0586	mg/L	0.00277	0.0586	mg/L	0.00277	4.73%
Fe 260	46495.6	0.803	mg/L	0.0196	0.803	mg/L	0.0196	2.44%
Cr 268	1627.8	0.0073	mg/L	0.00000	0.0073	mg/L	0.00000	0.00%
Mg 279	10276.0	1.92	mg/L	0.011	1.92	mg/L	0.011	0.55%
Al 308	21468.1	1.38	mg/L	0.010	1.38	mg/L	0.010	0.74%
Ca 318	139169.3	3.78	mg/L	0.041	3.78	mg/L	0.041	1.09%
Ag 328	839.5	0.0014	mg/L	0.00008	0.0014	mg/L	0.00008	5.32%
Na 590	3242171.5	30.4	mg/L	0.03	30.4	mg/L	0.03	0.11%

Sequence No.: 52 **Autosampler Location: 43**

Sample ID: G122-2618-10F
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 7/19/2005 02:30:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-10F

Analyte	Back Pressure	Flow
All	143.0 kPa	0.80 L/min

Mean Data: G122-2618-10F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	23.9	0.0060	mg/L	0.00798	0.0060	mg/L	0.00798	134.13%
Se 196	26.2	0.0057	mg/L	0.00130	0.0057	mg/L	0.00130	22.76%
Cd 214	209.8	0.0013	mg/L	0.00014	0.0013	mg/L	0.00014	11.09%
Pb 220	183.1	0.0136	mg/L	0.00133	0.0136	mg/L	0.00133	9.77%
Ba 234	10088.7	0.0360	mg/L	0.00025	0.0360	mg/L	0.00025	0.68%
Fe 260	21399.2	0.369	mg/L	0.0108	0.369	mg/L	0.0108	2.93%
Cr 268	1252.4	0.0056	mg/L	0.00119	0.0056	mg/L	0.00119	21.19%
Mg 279	4166.0	0.778	mg/L	0.0009	0.778	mg/L	0.0009	0.11%
Al 308	5444.8	0.349	mg/L	0.0031	0.349	mg/L	0.0031	0.87%
Ca 318	110175.6	2.99	mg/L	0.009	2.99	mg/L	0.009	0.29%
Ag 328	517.4	0.0009	mg/L	0.00000	0.0009	mg/L	0.00000	0.00%
Na 590	1890301.3	17.7	mg/L	0.03	17.7	mg/L	0.03	0.15%

Sequence No.: 53
Sample ID: G122-2618-11F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 7/19/2005 02:34:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-11F

Analyte	Back Pressure	Flow
All	145.0 kPa	0.80 L/min

Mean Data: G122-2618-11F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
As 189	47.0	0.0089	mg/L	0.00161	0.0089	mg/L	0.00161	17.98%
Se 196	44.7	0.0127	mg/L	0.00243	0.0127	mg/L	0.00243	19.12%
Cd 214	358.4	0.0019	mg/L	0.00086	0.0019	mg/L	0.00086	44.14%
Pb 220	200.0	0.0144	mg/L	0.00051	0.0144	mg/L	0.00051	3.54%
Ba 234	825553.4	2.95	mg/L	0.010	2.95	mg/L	0.010	0.35%
Fe 260	319356.8	5.51	mg/L	0.064	5.51	mg/L	0.064	1.17%
Cr 268	1322.5	0.0059	mg/L	0.00074	0.0059	mg/L	0.00074	12.58%
Mg 279	136675.6	25.5	mg/L	0.04	25.5	mg/L	0.04	0.17%
Al 308	124894.1	8.01	mg/L	0.057	8.01	mg/L	0.057	0.71%
Ca 318	591125.0	16.1	mg/L	0.01	16.1	mg/L	0.01	0.07%
Ag 328	-393.7	-0.0007	mg/L	0.00015	-0.0007	mg/L	0.00015	22.86%
Na 590	1345660.3	12.6	mg/L	0.10	12.6	mg/L	0.10	0.81%

Sequence No.: 54
Sample ID: G122-2618-12F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 7/19/2005 02:38:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-12F

Analyte	Back Pressure	Flow
All	145.0 kPa	0.80 L/min

Mean Data: G122-2618-12F

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
As 189	6.9	0.0019	mg/L	0.00453	0.0019	mg/L	0.00453	236.22%
Se 196	15.8	0.0037	mg/L	0.00203	0.0037	mg/L	0.00203	55.02%
Cd 214	150.9	0.0009	mg/L	0.00182	0.0009	mg/L	0.00182	201.58%
Pb 220	123.7	0.0091	mg/L	0.00130	0.0091	mg/L	0.00130	14.22%
Ba 234	142426.0	0.508	mg/L	0.0014	0.508	mg/L	0.0014	0.27%
Fe 260	37774.0	0.652	mg/L	0.0431	0.652	mg/L	0.0431	6.61%
Cr 268	23297.5	0.104	mg/L	0.0002	0.104	mg/L	0.0002	0.20%
Mg 279	264783.1	49.4	mg/L	0.18	49.4	mg/L	0.18	0.37%
Al 308	8533.0	0.547	mg/L	0.0056	0.547	mg/L	0.0056	1.02%
Ca 318	7784408.7	211	mg/L	2.3	211	mg/L	2.3	1.10%
Ag 328	567.2	0.0010	mg/L	0.00027	0.0010	mg/L	0.00027	28.18%
Na 590	6371744.8	59.7	mg/L	0.28	59.7	mg/L	0.28	0.47%

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Sequence No.: 55
Sample ID: G122-2618-13F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 7/19/2005 02:43:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-13F

Analyte	Back Pressure	Flow
All	146.0 kPa	0.80 L/min

Mean Data: G122-2618-13F

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	20.1	0.0055	mg/L	0.00346	0.0055	mg/L	0.00346	63.45%
Se 196	36.7	0.0106	mg/L	0.00257	0.0106	mg/L	0.00257	24.37%
Cd 214	177.5	0.0009	mg/L	0.00128	0.0009	mg/L	0.00128	150.66%
Pb 220	277.3	0.0202	mg/L	0.00205	0.0202	mg/L	0.00205	10.15%
Ba 234	19350.8	0.0690	mg/L	0.00095	0.0690	mg/L	0.00095	1.37%
Fe 260	277734.1	4.80	mg/L	0.064	4.80	mg/L	0.064	1.34%
Cr 268	3345.3	0.0149	mg/L	0.00059	0.0149	mg/L	0.00059	3.97%
Mg 279	10901.9	2.04	mg/L	0.003	2.04	mg/L	0.003	0.13%
Al 308	57485.7	3.69	mg/L	0.001	3.69	mg/L	0.001	0.03%
Ca 318	117212.9	3.18	mg/L	0.009	3.18	mg/L	0.009	0.30%
Ag 328	211.6	0.0004	mg/L	0.00020	0.0004	mg/L	0.00020	54.44%
Na 590	1028669.7	9.64	mg/L	0.030	9.64	mg/L	0.030	0.31%

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Sequence No.: 56
Sample ID: ccv5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/19/2005 02:47:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv5

Analyte	Back Pressure	Flow
All	146.0 kPa	0.80 L/min

Mean Data: ccv5

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	2075.4	0.514	mg/L	0.0018	0.514	mg/L	0.0018	0.34%
Se 196	2438.6	0.505	mg/L	0.0005	0.505	mg/L	0.0005	0.10%
Cd 214	78555.0	0.489	mg/L	0.0034	0.489	mg/L	0.0034	0.69%
Pb 220	6673.5	0.496	mg/L	0.0027	0.496	mg/L	0.0027	0.54%
Ba 234	678293.3	2.42	mg/L	0.017	2.42	mg/L	0.017	0.70%
Fe 260	138639.1	2.39	mg/L	0.028	2.39	mg/L	0.028	1.15%
Cr 268	109425.3	0.489	mg/L	0.0019	0.489	mg/L	0.0019	0.38%
Mg 279	13137.2	2.45	mg/L	0.021	2.45	mg/L	0.021	0.85%
Al 308	38915.8	2.50	mg/L	0.009	2.50	mg/L	0.009	0.37%
Ca 318	91726.7	2.49	mg/L	0.004	2.49	mg/L	0.004	0.14%
Ag 328	290787.6	0.500	mg/L	0.0018	0.500	mg/L	0.0018	0.35%
Na 590	334012.5	3.13	mg/L	0.005	3.13	mg/L	0.005	0.17%

Sequence No.: 57
Sample ID: ccb5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/19/2005 02:51:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb5

Analyte	Back Pressure	Flow
All	145.0 kPa	0.80 L/min

Mean Data: ccb5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-4.5	-0.0011	mg/L	0.00112	-0.0011	mg/L	0.00112	101.63%
Se 196	-19.6	-0.0041	mg/L	0.00439	-0.0041	mg/L	0.00439	105.98%
Cd 214	-225.9	-0.0014	mg/L	0.00028	-0.0014	mg/L	0.00028	20.25%
Pb 220	17.9	0.0013	mg/L	0.00048	0.0013	mg/L	0.00048	36.08%
Ba 234	379.1	0.0014	mg/L	0.00189	0.0014	mg/L	0.00189	140.00%
Fe 260	-1293.6	-0.0223	mg/L	0.00801	-0.0223	mg/L	0.00801	35.84%
Cr 268	305.3	0.0014	mg/L	0.00113	0.0014	mg/L	0.00113	82.83%
Mg 279	-102.4	-0.0191	mg/L	0.00706	-0.0191	mg/L	0.00706	36.93%
Al 308	-29.5	-0.0019	mg/L	0.01050	-0.0019	mg/L	0.01050	555.04%
Ca 318	203.5	0.0055	mg/L	0.00061	0.0055	mg/L	0.00061	11.02%
Ag 328	1129.9	0.0019	mg/L	0.00149	0.0019	mg/L	0.00149	76.66%
Na 590	66531.0	0.624	mg/L	0.0026	0.624	mg/L	0.0026	0.42%

Sequence No.: 58
Sample ID: G122-2618-14F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 7/19/2005 02:55:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-14F

Analyte	Back Pressure	Flow
All	144.0 kPa	0.80 L/min

Mean Data: G122-2618-14F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	29.9	0.0095	mg/L	0.00205	0.0095	mg/L	0.00205	21.56%
Se 196	-1.8	0.0119	mg/L	0.00191	0.0119	mg/L	0.00191	15.98%
Cd 214	303.5	0.0008	mg/L	0.00030	0.0008	mg/L	0.00030	37.18%
Pb 220	250.0	0.0168	mg/L	0.00501	0.0168	mg/L	0.00501	29.88%
Ba 234	39739.2	0.142	mg/L	0.0012	0.142	mg/L	0.0012	0.84%
Fe 260	1183280.0	20.4	mg/L	0.02	20.4	mg/L	0.02	0.09%
Cr 268	8993.9	0.0402	mg/L	0.00060	0.0402	mg/L	0.00060	1.49%
Mg 279	39659.4	7.40	mg/L	0.080	7.40	mg/L	0.080	1.08%
Al 308	223711.3	14.3	mg/L	0.08	14.3	mg/L	0.08	0.53%
Ca 318	340675.2	9.25	mg/L	0.051	9.25	mg/L	0.051	0.55%
Ag 328	209.3	0.0004	mg/L	0.00020	0.0004	mg/L	0.00020	55.03%
Na 590	1038454.8	9.73	mg/L	0.010	9.73	mg/L	0.010	0.10%

Sequence No.: 59
Sample ID: G122-2618-15F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 7/19/2005 03:00:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-15F

Analyte	Back Pressure	Flow
All	144.0 kPa	0.80 L/min

Mean Data: G122-2618-15F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	19.5	0.0049	mg/L	0.00180	0.0049	mg/L	0.00180	36.82%
Se 196	59.8	0.0128	mg/L	0.00035	0.0128	mg/L	0.00035	2.71%
Cd 214	333.2	0.0020	mg/L	0.00016	0.0020	mg/L	0.00016	8.01%
Pb 220	200.7	0.0149	mg/L	0.00079	0.0149	mg/L	0.00079	5.29%
Ba 234	8341.1	0.0298	mg/L	0.00135	0.0298	mg/L	0.00135	4.54%
Fe 260	26861.5	0.464	mg/L	0.0339	0.464	mg/L	0.0339	7.32%
Cr 268	1406.4	0.0063	mg/L	0.00021	0.0063	mg/L	0.00021	3.39%
Mg 279	12391.8	2.31	mg/L	0.099	2.31	mg/L	0.099	4.27%
Al 308	10849.4	0.696	mg/L	0.0126	0.696	mg/L	0.0126	1.82%
Ca 318	378086.6	10.3	mg/L	0.44	10.3	mg/L	0.44	4.32%
Ag 328	372.2	0.0006	mg/L	0.00012	0.0006	mg/L	0.00012	18.39%
Na 590	1610743.4	15.1	mg/L	0.14	15.1	mg/L	0.14	0.90%

Sequence No.: 60
Sample ID: G122-2618-16F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 7/19/2005 03:04:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-16F

Analyte	Back Pressure	Flow
All	144.0 kPa	0.80 L/min

Mean Data: G122-2618-16F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	5.4	0.0015	mg/L	0.00329	0.0015	mg/L	0.00329	225.64%
Se 196	18.9	0.0048	mg/L	0.00661	0.0048	mg/L	0.00661	137.28%
Cd 214	-42.7	-0.0003	mg/L	0.00097	-0.0003	mg/L	0.00097	284.67%
Pb 220	117.2	0.0086	mg/L	0.00158	0.0086	mg/L	0.00158	18.44%
Ba 234	12492.2	0.0446	mg/L	0.00043	0.0446	mg/L	0.00043	0.96%
Fe 260	83420.8	1.44	mg/L	0.000	1.44	mg/L	0.000	0.00%
Cr 268	980.9	0.0044	mg/L	0.00303	0.0044	mg/L	0.00303	69.07%
Mg 279	5384.5	1.01	mg/L	0.010	1.01	mg/L	0.010	0.96%
Al 308	32448.5	2.08	mg/L	0.033	2.08	mg/L	0.033	1.58%
Ca 318	30182.4	0.820	mg/L	0.0183	0.820	mg/L	0.0183	2.24%
Ag 328	113.9	0.0002	mg/L	0.00075	0.0002	mg/L	0.00075	380.79%
Na 590	686784.2	6.44	mg/L	0.181	6.44	mg/L	0.181	2.81%

Sequence No.: 61
Sample ID: G122-2618-17F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 7/19/2005 03:08:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2618-17F

Analyte	Back Pressure	Flow
All	145.0 kPa	0.80 L/min

Mean Data: G122-2618-17F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	21.3	0.0052	mg/L	0.00052	0.0052	mg/L	0.00052	10.02%
Se 196	42.5	0.0104	mg/L	0.00003	0.0104	mg/L	0.00003	0.25%
Cd 214	243.7	0.0014	mg/L	0.00016	0.0014	mg/L	0.00016	11.39%
Pb 220	156.3	0.0114	mg/L	0.00190	0.0114	mg/L	0.00190	16.69%
Ba 234	86654.5	0.309	mg/L	0.0050	0.309	mg/L	0.0050	1.61%
Fe 260	142875.2	2.47	mg/L	0.018	2.47	mg/L	0.018	0.74%
Cr 268	1511.2	0.0068	mg/L	0.00032	0.0068	mg/L	0.00032	4.80%
Mg 279	12554.1	2.34	mg/L	0.049	2.34	mg/L	0.049	2.09%
Al 308	32696.4	2.10	mg/L	0.025	2.10	mg/L	0.025	1.18%

Ca 318	28739.2	0.780 mg/L	0.0010	0.780 mg/L	0.0010	0.13%
Ag 328	372.0	0.0006 mg/L	0.00012	0.0006 mg/L	0.00012	18.45%
Na 590	1287195.9	12.1 mg/L	0.01	12.1 mg/L	0.01	0.11%

Sequence No.: 62
Sample ID: G122-2619-1F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 7/19/2005 03:13:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2619-1F

Analyte	Back Pressure	Flow
All	145.0 kPa	0.80 L/min

Mean Data: G122-2619-1F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	25.4	0.0083	mg/L	0.00488	0.0083	mg/L	0.00488	58.69%
Se 196	-43.5	0.0076	mg/L	0.00235	0.0076	mg/L	0.00235	30.96%
Cd 214	385.9	0.0009	mg/L	0.00043	0.0009	mg/L	0.00043	45.61%
Pb 220	907.2	0.0650	mg/L	0.00317	0.0650	mg/L	0.00317	4.88%
Ba 234	194170.7	0.693	mg/L	0.0035	0.693	mg/L	0.0035	0.50%
Fe 260	1605857.6	27.7	mg/L	0.01	27.7	mg/L	0.01	0.03%
Cr 268	2893.9	0.0129	mg/L	0.00119	0.0129	mg/L	0.00119	9.17%
Mg 279	16646.9	3.11	mg/L	0.067	3.11	mg/L	0.067	2.14%
Al 308	395557.6	25.4	mg/L	0.20	25.4	mg/L	0.20	0.80%
Ca 318	361317.9	9.81	mg/L	0.136	9.81	mg/L	0.136	1.39%
Ag 328	-259.7	-0.0004	mg/L	0.00024	-0.0004	mg/L	0.00024	52.72%
Na 590	3279802.1	30.7	mg/L	0.18	30.7	mg/L	0.18	0.60%

Sequence No.: 63
Sample ID: G122-2619-2F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 7/19/2005 03:17:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2619-2F

Analyte	Back Pressure	Flow
All	145.0 kPa	0.80 L/min

Mean Data: G122-2619-2F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-0.6	0.0022	mg/L	0.00097	0.0022	mg/L	0.00097	44.80%
Se 196	-29.6	0.0109	mg/L	0.00027	0.0109	mg/L	0.00027	2.48%
Cd 214	511.6	0.0017	mg/L	0.00042	0.0017	mg/L	0.00042	25.17%
Pb 220	264.4	0.0171	mg/L	0.00341	0.0171	mg/L	0.00341	19.92%
Ba 234	125335.1	0.447	mg/L	0.0014	0.447	mg/L	0.0014	0.31%
Fe 260	1641229.2	28.3	mg/L	0.05	28.3	mg/L	0.05	0.16%
Cr 268	1288.8	0.0058	mg/L	0.00172	0.0058	mg/L	0.00172	29.80%
Mg 279	16507.6	3.08	mg/L	0.000	3.08	mg/L	0.000	0.00%
Al 308	142350.7	9.13	mg/L	0.025	9.13	mg/L	0.025	0.28%
Ca 318	45534.9	1.24	mg/L	0.004	1.24	mg/L	0.004	0.31%
Ag 328	-483.2	-0.0008	mg/L	0.00032	-0.0008	mg/L	0.00032	38.00%
Na 590	1014345.0	9.51	mg/L	0.075	9.51	mg/L	0.075	0.79%

Sequence No.: 64
Sample ID: G122-2619-3F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 7/19/2005 03:22:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2619-3F

Analyte	Back Pressure	Flow
All	145.0 kPa	0.80 L/min

Mean Data: G122-2619-3F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	34.1	0.0093	mg/L	0.00264	0.0093	mg/L	0.00264	28.42%
Se 196	27.8	0.0112	mg/L	0.00471	0.0112	mg/L	0.00471	41.88%
Cd 214	150.9	0.0005	mg/L	0.00097	0.0005	mg/L	0.00097	210.16%
Pb 220	263.7	0.0188	mg/L	0.00056	0.0188	mg/L	0.00056	2.98%
Ba 234	25428.1	0.0907	mg/L	0.00473	0.0907	mg/L	0.00473	5.22%
Fe 260	520934.9	8.99	mg/L	0.025	8.99	mg/L	0.025	0.28%
Cr 268	2731.0	0.0122	mg/L	0.00264	0.0122	mg/L	0.00264	21.64%
Mg 279	10143.3	1.89	mg/L	0.007	1.89	mg/L	0.007	0.37%
Al 308	160663.9	10.3	mg/L	0.06	10.3	mg/L	0.06	0.59%
Ca 318	26178.7	0.711	mg/L	0.0036	0.711	mg/L	0.0036	0.51%
Ag 328	-64.6	-0.0001	mg/L	0.00023	-0.0001	mg/L	0.00023	209.34%
Na 590	889030.4	8.33	mg/L	0.531	8.33	mg/L	0.531	6.37%

Sequence No.: 65
Sample ID: G122-2619-4F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 7/19/2005 03:26:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2619-4F

Analyte	Back Pressure	Flow
All	145.0 kPa	0.80 L/min

Mean Data: G122-2619-4F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	13.0	0.0040	mg/L	0.00042	0.0040	mg/L	0.00042	10.62%
Se 196	43.0	0.0141	mg/L	0.00419	0.0141	mg/L	0.00419	29.65%
Cd 214	195.3	0.0008	mg/L	0.00143	0.0008	mg/L	0.00143	186.91%
Pb 220	219.0	0.0155	mg/L	0.00477	0.0155	mg/L	0.00477	30.74%
Ba 234	27304.7	0.0974	mg/L	0.00095	0.0974	mg/L	0.00095	0.97%
Fe 260	491323.0	8.48	mg/L	0.055	8.48	mg/L	0.055	0.65%
Cr 268	2040.5	0.0091	mg/L	0.00054	0.0091	mg/L	0.00054	5.89%
Mg 279	6689.1	1.25	mg/L	0.004	1.25	mg/L	0.004	0.35%
Al 308	114835.7	7.37	mg/L	0.026	7.37	mg/L	0.026	0.36%
Ca 318	11157.2	0.303	mg/L	0.0111	0.303	mg/L	0.0111	3.68%
Ag 328	-96.7	-0.0002	mg/L	0.00047	-0.0002	mg/L	0.00047	282.61%
Na 590	486283.9	4.56	mg/L	0.085	4.56	mg/L	0.085	1.87%

Sequence No.: 66
Sample ID: G122-2619-5F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 7/19/2005 03:30:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2619-5F

Analyte	Back Pressure	Flow
All	146.0 kPa	0.80 L/min

Mean Data: G122-2619-5F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	20.3	0.0052	mg/L	0.00073	0.0052	mg/L	0.00073	14.13%
Se 196	27.9	0.0068	mg/L	0.00181	0.0068	mg/L	0.00181	26.60%
Cd 214	205.8	0.0012	mg/L	0.00067	0.0012	mg/L	0.00067	56.28%
Pb 220	181.1	0.0133	mg/L	0.00009	0.0133	mg/L	0.00009	0.66%
Ba 234	16567.7	0.0591	mg/L	0.00259	0.0591	mg/L	0.00259	4.38%
Fe 260	91467.7	1.58	mg/L	0.024	1.58	mg/L	0.024	1.52%

Cr 268	1323.5	0.0059 mg/L	0.00032	0.0059 mg/L	0.00032	5.48%
Mg 279	3791.2	0.708 mg/L	0.0175	0.708 mg/L	0.0175	2.47%
Al 308	39384.0	2.53 mg/L	0.006	2.53 mg/L	0.006	0.25%
Ca 318	21056.3	0.572 mg/L	0.0066	0.572 mg/L	0.0066	1.15%
Ag 328	323.8	0.0006 mg/L	0.00024	0.0006 mg/L	0.00024	42.29%
Na 590	497472.7	4.66 mg/L	0.019	4.66 mg/L	0.019	0.41%

Sequence No.: 67
Sample ID: G122-2619-6F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 7/19/2005 03:34:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2619-6F

Analyte	Back Pressure	Flow
All	146.0 kPa	0.80 L/min

Mean Data: G122-2619-6F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	2.4	0.0018	mg/L	0.00360	0.0018	mg/L	0.00360	199.22%
Se 196	16.2	0.0117	mg/L	0.00142	0.0117	mg/L	0.00142	12.14%
Cd 214	92.1	-0.0002	mg/L	0.00015	-0.0002	mg/L	0.00015	90.66%
Pb 220	405.9	0.0290	mg/L	0.00129	0.0290	mg/L	0.00129	4.44%
Ba 234	47669.8	0.170	mg/L	0.0028	0.170	mg/L	0.0028	1.67%
Fe 260	801553.6	13.8	mg/L	0.06	13.8	mg/L	0.06	0.43%
Cr 268	1435.0	0.0064	mg/L	0.00038	0.0064	mg/L	0.00038	5.93%
Mg 279	7692.7	1.44	mg/L	0.026	1.44	mg/L	0.026	1.83%
Al 308	303822.7	19.5	mg/L	0.09	19.5	mg/L	0.09	0.45%
Ca 318	16165.9	0.439	mg/L	0.0142	0.439	mg/L	0.0142	3.24%
Ag 328	-96.4	-0.0002	mg/L	0.00023	-0.0002	mg/L	0.00023	141.85%
Na 590	835112.0	7.83	mg/L	0.052	7.83	mg/L	0.052	0.66%

Sequence No.: 68
Sample ID: ccv6
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/19/2005 03:38:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv6

Analyte	Back Pressure	Flow
All	147.0 kPa	0.80 L/min

Mean Data: ccv6

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	2029.0	0.503	mg/L	0.0192	0.503	mg/L	0.0192	3.82%
Se 196	2345.8	0.486	mg/L	0.0053	0.486	mg/L	0.0053	1.10%
Cd 214	74949.2	0.466	mg/L	0.0030	0.466	mg/L	0.0030	0.64%
Pb 220	6448.5	0.480	mg/L	0.0056	0.480	mg/L	0.0056	1.18%
Ba 234	651242.7	2.32	mg/L	0.020	2.32	mg/L	0.020	0.86%
Fe 260	139488.5	2.41	mg/L	0.028	2.41	mg/L	0.028	1.14%
Cr 268	106637.9	0.476	mg/L	0.0081	0.476	mg/L	0.0081	1.70%
Mg 279	13047.8	2.44	mg/L	0.004	2.44	mg/L	0.004	0.18%
Al 308	38571.1	2.47	mg/L	0.004	2.47	mg/L	0.004	0.18%
Ca 318	88105.6	2.39	mg/L	0.019	2.39	mg/L	0.019	0.78%
Ag 328	283752.8	0.488	mg/L	0.0012	0.488	mg/L	0.0012	0.25%
Na 590	298973.5	2.80	mg/L	0.038	2.80	mg/L	0.038	1.36%

Sequence No.: 69
Sample ID: ccb6
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/19/2005 03:43:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb6

Analyte	Back Pressure	Flow
All	146.0 kPa	0.80 L/min

Mean Data: ccb6

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	4.7	0.0012	mg/L	0.00113	0.0012	mg/L	0.00113	95.37%
Se 196	1.0	0.0002	mg/L	0.00083	0.0002	mg/L	0.00083	498.30%
Cd 214	122.8	0.0008	mg/L	0.00055	0.0008	mg/L	0.00055	72.15%
Pb 220	65.3	0.0049	mg/L	0.00005	0.0049	mg/L	0.00005	1.09%
Ba 234	200.4	0.0007	mg/L	0.00194	0.0007	mg/L	0.00194	271.17%
Fe 260	-2326.2	-0.0402	mg/L	0.00353	-0.0402	mg/L	0.00353	8.80%
Cr 268	436.5	0.0019	mg/L	0.00119	0.0019	mg/L	0.00119	60.80%
Mg 279	73.1	0.0136	mg/L	0.00969	0.0136	mg/L	0.00969	71.07%
Al 308	315.2	0.0202	mg/L	0.00321	0.0202	mg/L	0.00321	15.85%
Ca 318	120.9	0.0033	mg/L	0.00464	0.0033	mg/L	0.00464	141.42%
Ag 328	581.0	0.0010	mg/L	0.00079	0.0010	mg/L	0.00079	78.77%
Na 590	36026.0	0.338	mg/L	0.0126	0.338	mg/L	0.0126	3.73%

Sequence No.: 70
Sample ID: G122-2619-7F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 7/19/2005 03:47:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2619-7F

Analyte	Back Pressure	Flow
All	146.0 kPa	0.80 L/min

Mean Data: G122-2619-7F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	19.1	0.0087	mg/L	0.00052	0.0087	mg/L	0.00052	5.96%
Se 196	-88.0	0.0086	mg/L	0.00342	0.0086	mg/L	0.00342	39.89%
Cd 214	843.4	0.0029	mg/L	0.00268	0.0029	mg/L	0.00268	93.02%
Pb 220	563.3	0.0379	mg/L	0.00220	0.0379	mg/L	0.00220	5.80%
Ba 234	152282.9	0.543	mg/L	0.0028	0.543	mg/L	0.0028	0.51%
Fe 260	2591274.0	44.7	mg/L	0.00	44.7	mg/L	0.00	0.01%
Cr 268	6332.9	0.0283	mg/L	0.00050	0.0283	mg/L	0.00050	1.76%
Mg 279	40158.9	7.50	mg/L	0.037	7.50	mg/L	0.037	0.49%
Al 308	511521.4	32.8	mg/L	0.08	32.8	mg/L	0.08	0.24%
Ca 318	38676.7	1.05	mg/L	0.001	1.05	mg/L	0.001	0.13%
Ag 328	-1103.4	-0.0019	mg/L	0.00032	-0.0019	mg/L	0.00032	16.64%
Na 590	1105258.9	10.4	mg/L	0.02	10.4	mg/L	0.02	0.16%

Sequence No.: 71
Sample ID: G122-2619-8F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 7/19/2005 03:51:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2619-8F

Analyte	Back Pressure	Flow
All	146.0 kPa	0.80 L/min

Mean Data: G122-2619-8F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	52.0	0.0148	mg/L	0.00166	0.0148	mg/L	0.00166	11.16%
Se 196	-74.1	0.0029	mg/L	0.00823	0.0029	mg/L	0.00823	282.01%
Cd 214	531.1	0.0017	mg/L	0.00086	0.0017	mg/L	0.00086	51.28%

Pb 220	402.1	0.0272 mg/L	0.00225	0.0272 mg/L	0.00225	8.28%
Ba 234	307510.1	1.10 mg/L	0.008	1.10 mg/L	0.008	0.71%
Fe 260	1770297.8	30.6 mg/L	0.24	30.6 mg/L	0.24	0.78%
Cr 268	6521.6	0.0291 mg/L	0.00038	0.0291 mg/L	0.00038	1.30%
Mg 279	44341.2	8.28 mg/L	0.017	8.28 mg/L	0.017	0.20%
Al 308	453696.2	29.1 mg/L	0.07	29.1 mg/L	0.07	0.26%
Ca 318	39435.9	1.07 mg/L	0.031	1.07 mg/L	0.031	2.85%
Ag 328	-374.4	-0.0006 mg/L	0.00012	-0.0006 mg/L	0.00012	18.28%
Na 590	925468.8	8.68 mg/L	0.016	8.68 mg/L	0.016	0.19%

Sequence No.: 72
Sample ID: G122-2619-9F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 7/19/2005 03:55:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2619-9F

Analyte	Back Pressure	Flow
All	147.0 kPa	0.80 L/min

Mean Data: G122-2619-9F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	33.1	0.0084	mg/L	0.00296	0.0084	mg/L	0.00296	35.34%
Se 196	28.3	0.0069	mg/L	0.00570	0.0069	mg/L	0.00570	82.65%
Cd 214	-20.9	-0.0002	mg/L	0.00000	-0.0002	mg/L	0.00000	0.23%
Pb 220	112.2	0.0082	mg/L	0.00006	0.0082	mg/L	0.00006	0.70%
Ba 234	8837.6	0.0315	mg/L	0.00182	0.0315	mg/L	0.00182	5.79%
Fe 260	93580.7	1.62	mg/L	0.009	1.62	mg/L	0.009	0.57%
Cr 268	1936.8	0.0087	mg/L	0.00356	0.0087	mg/L	0.00356	41.18%
Mg 279	2328.8	0.435	mg/L	0.0087	0.435	mg/L	0.0087	1.99%
Al 308	32482.1	2.08	mg/L	0.000	2.08	mg/L	0.000	0.00%
Ca 318	941730.5	25.6	mg/L	0.20	25.6	mg/L	0.20	0.79%
Ag 328	97.0	0.0002	mg/L	0.00015	0.0002	mg/L	0.00015	92.83%
Na 590	2273900.0	21.3	mg/L	0.10	21.3	mg/L	0.10	0.47%

Sequence No.: 73
Sample ID: G122-2619-10F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 7/19/2005 04:00:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2619-10F

Analyte	Back Pressure	Flow
All	149.0 kPa	0.80 L/min

Mean Data: G122-2619-10F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	2298.8	0.578	mg/L	0.0236	0.578	mg/L	0.0236	4.08%
Se 196	-258.9	-0.0069	mg/L	0.00135	-0.0069	mg/L	0.00135	19.52%
Cd 214	1120.0	0.0030	mg/L	0.00158	0.0030	mg/L	0.00158	53.08%
Pb 220	2060.8	0.147	mg/L	0.0020	0.147	mg/L	0.0020	1.34%
Ba 234	56857.2	0.203	mg/L	0.0034	0.203	mg/L	0.0034	1.67%
Fe 260	4372958.6	75.5	mg/L	0.94	75.5	mg/L	0.94	1.25%
Cr 268	83910.7	0.375	mg/L	0.0009	0.375	mg/L	0.0009	0.24%
Mg 279	1271891.3	237	mg/L	1.6	237	mg/L	1.6	0.68%
Al 308	4449667.1	285	mg/L	2.2	285	mg/L	2.2	0.77%
Ca 318	23767756.2	645	mg/L	5.5	645	mg/L	5.5	0.85%
Ag 328	-71648.6	-0.123	mg/L	0.0008	-0.123	mg/L	0.0008	0.67%
Na 590	Saturated4							

Sequence No.: 74
Sample ID: G122-2619-10G dup

Autosampler Location: 61
Date Collected: 7/19/2005 04:05:00 PM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G122-2619-10G dup

Analyte	Back Pressure	Flow
All	153.0 kPa	0.80 L/min

Mean Data: G122-2619-10G dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	2416.1	0.609	mg/L	0.0032	0.609	mg/L	0.0032	0.52%
Se 196	-295.9	-0.0080	mg/L	0.00325	-0.0080	mg/L	0.00325	40.54%
Cd 214	1352.5	0.0038	mg/L	0.00085	0.0038	mg/L	0.00085	22.08%
Pb 220	2441.8	0.174	mg/L	0.0014	0.174	mg/L	0.0014	0.83%
Ba 234	69604.5	0.248	mg/L	0.0052	0.248	mg/L	0.0052	2.10%
Fe 260	4995464.4	86.2	mg/L	0.62	86.2	mg/L	0.62	0.72%
Cr 268	98130.4	0.438	mg/L	0.0036	0.438	mg/L	0.0036	0.81%
Mg 279	1340256.2	250	mg/L	2.5	250	mg/L	2.5	1.01%
Al 308	4672977.5	300	mg/L	0.6	300	mg/L	0.6	0.19%
Ca 318	24705197.7	671	mg/L	4.7	671	mg/L	4.7	0.70%
Saturated within survey window (code 5)								
Ag 328	-79487.6	-0.137	mg/L	0.0017	-0.137	mg/L	0.0017	1.24%
Na 590	Saturated4							

Sequence No.: 75
Sample ID: icsA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 7/19/2005 04:09:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA2

Analyte	Back Pressure	Flow
All	154.0 kPa	0.80 L/min

Mean Data: icsA2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-51.9	-0.0028	mg/L	0.00054	-0.0028	mg/L	0.00054	18.96%
Se 196	-257.6	0.0077	mg/L	0.00063	0.0077	mg/L	0.00063	8.17%
Cd 214	1137.5	0.0017	mg/L	0.00046	0.0017	mg/L	0.00046	27.34%
Pb 220	155.5	0.0024	mg/L	0.00139	0.0024	mg/L	0.00139	58.51%
Ba 234	84.9	0.0003	mg/L	0.00005	0.0003	mg/L	0.00005	14.88%
Fe 260	5919120.2	102	mg/L	0.1	102	mg/L	0.1	0.11%
Cr 268	961.9	0.0043	mg/L	0.00243	0.0043	mg/L	0.00243	56.64%
Mg 279	220803.9	41.2	mg/L	0.02	41.2	mg/L	0.02	0.05%
Al 308	1659518.7	106	mg/L	0.2	106	mg/L	0.2	0.18%
Ca 318	1505644.6	40.9	mg/L	0.37	40.9	mg/L	0.37	0.91%
Ag 328	-1231.0	-0.0021	mg/L	0.00032	-0.0021	mg/L	0.00032	14.92%
Na 590	124522.4	1.17	mg/L	0.016	1.17	mg/L	0.016	1.39%

Sequence No.: 76
Sample ID: icsB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 7/19/2005 04:14:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB2

Analyte	Back Pressure	Flow
All	151.0 kPa	0.80 L/min

Mean Data: icsB2

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
As 189	1294.3	0.331	mg/L	0.0083	0.331	mg/L	0.0083	2.51%
Se 196	1228.9	0.317	mg/L	0.0029	0.317	mg/L	0.0029	0.90%
Cd 214	49090.2	0.300	mg/L	0.0032	0.300	mg/L	0.0032	1.06%
Pb 220	4471.5	0.323	mg/L	0.0018	0.323	mg/L	0.0018	0.54%
Ba 234	286585.0	1.02	mg/L	0.002	1.02	mg/L	0.002	0.16%
Fe 260	6141789.7	106	mg/L	1.4	106	mg/L	1.4	1.33%
Cr 268	68842.9	0.308	mg/L	0.0020	0.308	mg/L	0.0020	0.65%
Mg 279	227345.0	42.4	mg/L	0.22	42.4	mg/L	0.22	0.51%
Al 308	1702238.1	109	mg/L	0.2	109	mg/L	0.2	0.20%
Ca 318	1568569.9	42.6	mg/L	0.23	42.6	mg/L	0.23	0.54%
Ag 328	174667.7	0.300	mg/L	0.0010	0.300	mg/L	0.0010	0.33%
Na 590	84241.9	0.790	mg/L	0.0058	0.790	mg/L	0.0058	0.73%

Sequence No.: 77
Sample ID: ccv7
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 7/19/2005 04:18:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv7

Analyte	Back Pressure	Flow
All	151.0 kPa	0.80 L/min

Mean Data: ccv7

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	2260.1	0.560	mg/L	0.0008	0.560	mg/L	0.0008	0.14%
Se 196	2571.8	0.532	mg/L	0.0092	0.532	mg/L	0.0092	1.74%
Cd 214	83767.0	0.521	mg/L	0.0052	0.521	mg/L	0.0052	1.00%
Pb 220	7111.6	0.529	mg/L	0.0023	0.529	mg/L	0.0023	0.43%
Ba 234	729900.1	2.60	mg/L	0.009	2.60	mg/L	0.009	0.33%
Fe 260	159432.1	2.75	mg/L	0.018	2.75	mg/L	0.018	0.67%
Cr 268	117179.6	0.523	mg/L	0.0024	0.523	mg/L	0.0024	0.45%
Mg 279	14531.3	2.71	mg/L	0.029	2.71	mg/L	0.029	1.06%
Al 308	43093.7	2.76	mg/L	0.010	2.76	mg/L	0.010	0.35%
Ca 318	101297.4	2.75	mg/L	0.011	2.75	mg/L	0.011	0.39%
Ag 328	313732.1	0.539	mg/L	0.0028	0.539	mg/L	0.0028	0.52%
Na 590	357180.6	3.35	mg/L	0.010	3.35	mg/L	0.010	0.31%

Sequence No.: 78
Sample ID: ccb7
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/19/2005 04:22:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb7

Analyte	Back Pressure	Flow
All	150.0 kPa	0.80 L/min

Mean Data: ccb7

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	6.4	0.0016	mg/L	0.00311	0.0016	mg/L	0.00311	197.07%
Se 196	17.7	0.0037	mg/L	0.00848	0.0037	mg/L	0.00848	229.82%
Cd 214	-209.8	-0.0013	mg/L	0.00043	-0.0013	mg/L	0.00043	32.69%
Pb 220	62.3	0.0046	mg/L	0.00209	0.0046	mg/L	0.00209	45.02%
Ba 234	848.3	0.0030	mg/L	0.00047	0.0030	mg/L	0.00047	15.64%
Fe 260	-2374.1	-0.0410	mg/L	0.00000	-0.0410	mg/L	0.00000	0.00%
Cr 268	220.3	0.0010	mg/L	0.00059	0.0010	mg/L	0.00059	60.23%
Mg 279	6.6	0.0012	mg/L	0.01286	0.0012	mg/L	0.01286	>999.9%
Al 308	340.6	0.0218	mg/L	0.00253	0.0218	mg/L	0.00253	11.56%
Ca 318	-66.8	-0.0018	mg/L	0.01251	-0.0018	mg/L	0.01251	690.16%
Ag 328	-16.1	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	148.90%
Na 590	59804.5	0.561	mg/L	0.0051	0.561	mg/L	0.0051	0.91%

Sample/Batch Report

RML

User Name: rml
072105a
Computer Name: RML
Sample File: C:\elandata\Sample\072105a.sam
Report Date/Time: Friday, July 22, 2005 08:02:55

CURVE → MS071505-1

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 -Mg							
1		ccb1 ✓							
11		pb3254 x25 ✓							
12		lcs3254 x25 ✓							
13		lcd3254 x25 ✓							
14		G211-1833-1G x25							
15		G211-1833-1H ms x25							
16		G211-1833-1I msd x25							
17		pb3246 x25 ✓							
18		lcs3246 x25 ✓							
19		lcd3246 x25 ✓							
20		G460-26-3K x25							
3		ccv2 ✓							
1		ccb2 ✓							
21		G460-26-3L ms							
22		G460-26-3M msd x25							
23		G460-26-1K x25							
24		G460-26-2K x25							
25		G161-2070-1N x25							
26		G161-2069-1N x25							
27		G161-2069-2P x25							
28		G161-2069-2Q dup x25							
29		G161-2069-2Q dup x125 SD							
30		G161-2069-2Q dup x25 PDS							
3		ccv3 ✓							
1		ccb3							
9		icsA2 ✓							
10		icsB2 ✓							
3		ccv4 ✓							
5		cvs2 -Na, Mg, Al							
1		ccb4 ✓							

Sc → 113682 - 94735 - 28421

Ge → 59288 - 49407 - 14822

Rh → 81660 - 68050 - 20415

Quantitative Analysis - Summary

Sample ID: Blank
Autosampler Position: 1
Sample Date/Time: Thursday, July 21, 2005 16:59:01
Sample File: C:\elandata\Sample\072105a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072105\Blank.001

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	19266.170					ppb
	Mg	24	3548.594					ppb
	Al	27	13739.849					ppb
	K	39	512112.851					ppb
	Ca	43	571.318					ppb
>	Sc	45	94734.786					ppb
	Fe	57	9736.027					ppb
>	Ge	72	49406.727					ppb
>	Lu	175	68050.248					ppb
	Pb	208	544.885					ppb

Quantitative Analysis - Summary

Sample ID: Standard 1

Autosampler Position: 2
Sample Date/Time: Thursday, July 21, 2005 17:02:30
Sample File: c:\elandata\Sample\050305a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: c:\elandata\dataset\072105\Standard 1 002

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	21099.171	0.016				ppb
	Mg	24	1854.947	-0.018				ppb
	Al	27	6056.824	-0.082				ppb
	K	39	532104.884	0.132				ppb
	Ca	43	1530.183	0.010				ppb
>	Sc	45	96114.533	96114.533				ppb
	Fe	57	9740.035	-0.000				ppb
>	Ge	72	49471.569	49471.569				ppb
>	Lu	175	68146.865	68146.865				ppb
	Pb	208	2792.038	0.033	**0.094**	0.004	3.7	ppb

Quantitative Analysis - Summary

Sample ID: Standard 2

Autosampler Position: 3
Sample Date/Time: Thursday, July 21, 2005 17:05:58
Sample File: c:\elandata\Sample\050305a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: c:\elandata\dataset\072105\Standard 2 003

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	20075.952	0.005				ppb
|	Mg	24	2234.890	-0.014				ppb
|	Al	27	7079.545	-0.072				ppb
|	K	39	529404.484	0.090				ppb
|	Ca	43	694.949	0.001				ppb
⌊>	Sc	45	96360.877	96360.877				ppb
⌈	Fe	57	9812.055	0.001				ppb
⌊>	Ge	72	49653.399	49653.399				ppb
⌈>	Lu	175	67991.025	67991.025				ppb
⌊	Pb	208	119216.277	1.745	**5.000**	0.049	1.0	ppb

Quantitative Analysis - Summary

Sample ID: Standard 3

Autosampler Position: 4
Sample Date/Time: Thursday, July 21, 2005 17:09:26
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\Standard 3 004

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Na	23	59741.757	0.412	10.000	0.193	1.9	ppb
	Mg	24	28440.874	0.256	10.000	0.087	0.9	ppb
	Al	27	45898.306	0.328	10.000	0.181	1.8	ppb
	K	39	592810.779	0.704	10.000	0.773	7.7	ppb
	Ca	43	1135.795	0.006	10.000	0.514	5.1	ppb
>	Sc	45	97035.456	97035.456				ppb
	Fe	57	12140.856	0.049	10.000	0.486	4.9	ppb
>	Ge	72	49324.008	49324.008				ppb
>	Lu	175	68135.276	68135.276				ppb
	Pb	208	234606.568	3.435	9.968	0.080	0.8	ppb

Quantitative Analysis - Summary

Sample ID: Standard 4
Autosampler Position: 5
Sample Date/Time: Thursday, July 21, 2005 17:12:54
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\Standard 4 005

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	Conc. Mean	Conc SD	Conc. RSD	Sample Unit
	Na	23	1692029.415	16.804	**499.955**	15.594	3.1	ppb
	Mg	24	1345751.834	13.491	**500.011**	2.553	0.5	ppb
	Al	27	1763144.684	17.580	**500.013**	3.841	0.8	ppb
	K	39	3326260.035	28.029	**499.949**	11.010	2.2	ppb
	Ca	43	7723.757	0.072	**499.409**	8.443	1.7	ppb
>	Sc	45	99475.655	99475.655				ppb
	Fe	57	126027.154	2.266	**499.983**	10.030	2.0	ppb
>	Ge	72	51183.517	51183.517				ppb
>	Lu	175	70279.284	70279.284				ppb
	Pb	208	1004.056	0.006	**0.018**	0.002	11.2	ppb

Quantitative Analysis - Summary

Sample ID: Standard 5

Autosampler Position: 6
Sample Date/Time: Thursday. July 21, 2005 17:16:23
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\Standard 5 006

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	3329888.001	32.290	**991.883**	6.216	0.6	ppb
	Mg	24	2279342.566	22.206	**958.752**	4.659	0.5	ppb
	Al	27	3305774.743	32.113	**981.375**	4.285	0.4	ppb
	K	39	6310724.005	56.193	**1000.459**	18.681	1.9	ppb
	Ca	43	15231.501	0.143	**998.929**	11.110	1.1	ppb
>	Sc	45	102486.610	102486.610				ppb
	Fe	57	250410.002	4.413	**994.671**	15.878	1.6	ppb
>	Ge	72	54305.305	54305.305				ppb
>	Lu	175	74986.720	74986.720				ppb
	Pb	208	554.453	-0.001	**-0.002**	0.001	61.8	ppb

Quantitative Analysis - Summary

Sample ID: icv
Autosampler Position: 7
Sample Date/Time: Thursday, July 21, 2005 17:19:53
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\icv 007

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	16653474.466	156.574	**4809.608**	66.007	1.4	ppb
	Mg	24	11519089.159	108.399	**4680.235**	72.991	1.6	ppb
	Al	27	814846.729	7.526	**230.003**	2.312	1.0	ppb
	K	39	30125956.807	278.206	**4953.197**	46.385	0.9	ppb
	Ca	43	69265.032	0.646	**4524.652**	47.065	1.0	ppb
>	Sc	45	106216.626	106216.626				ppb
	Fe	57	35958.599	0.458	**103.142**	1.379	1.3	ppb
>	Ge	72	54932.766	54932.766				ppb
>	Lu	175	77054.244	77054.244				ppb
	Pb	208	129307.212	1.670	**4.846**	0.049	1.0	ppb

Quantitative Analysis - Summary

Sample ID: icsA1
Autosampler Position: 9
Sample Date/Time: Thursday, July 21, 2005 17:23:21
Sample File: C:\elandata\Sample\072105a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072105\icsA1.008

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	15896942.502	155.734	**4783.799**	72.855	1.5	ppb
	Mg	24	10872522.414	106.604	**4602.738**	57.685	1.3	ppb
	Al	27	15738103.834	154.224	**4713.092**	51.591	1.1	ppb
	K	39	28717527.990	276.277	**4918.840**	93.223	1.9	ppb
	Ca	43	66483.496	0.646	**4524.500**	34.098	0.8	ppb
>	Sc	45	101964.695	101964.695				ppb
	Fe	57	1143431.482	20.976	**4727.751**	15.633	0.3	ppb
>	Ge	72	54003.005	54003.005				ppb
>	Lu	175	74168.366	74168.366				ppb
	Pb	208	1122.821	0.007	**0.021**	0.001	4.9	ppb

Quantitative Analysis - Summary

Sample ID: icsB1
Autosampler Position: 10
Sample Date/Time: Thursday, July 21. 2005 17:26:48
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\icsB1 009

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	Conc. Mean	Conc SD	Conc RSD	Sample Unit
	Na	23	15513126 602	172 132	**5287.508**	209 219	4 0	ppb
	Mg	24	10699414 753	118 823	**5130.313**	207 815	4 1	ppb
	Al	27	15416815 995	171 147	**5230.263**	226 679	4 3	ppb
	K	39	27887809 257	304 417	**5419.845**	224 495	4 1	ppb
	Ca	43	65415 902	0 721	**5046.834**	190 634	3 8	ppb
>	Sc	45	90168 776	90168 776				ppb
	Fe	57	1082307 649	20 029	**4514.306**	107 807	2 4	ppb
>	Ge	72	53544 716	53544 716				ppb
>	Lu	175	73385 978	73385 978				ppb
	Pb	208	77465 578	1 048	**3.041**	0 065	2 1	ppb

Quantitative Analysis - Summary

Sample ID: lowstd

Autosampler Position: 2
Sample Date/Time: Thursday, July 21, 2005 17:30:16
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\lowstd 010

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	23472.454	0 042	**1.303**	0.467	35 8	ppb
	Mg	24	3196 266	-0.004	**-0.173**	0 467	269 8	ppb
	Al	27	8469 931	-0 056	**-1.722**	0 456	26.5	ppb
	K	39	540170 531	0 252	**4.483**	1 113	24 8	ppb
	Ca	43	1552 580	0 010	**71.643**	0 674	0 9	ppb
>	Sc	45	95481 135	95481 135				ppb
	Fe	57	9924.212	0 008	**1.907**	1 585	83 1	ppb
>	Ge	72	48312.787	48312 787				ppb
>	Lu	175	65683 101	65683 101				ppb
	Pb	208	2771 235	0 034	**0.099**	0 003	3 0	ppb

Quantitative Analysis - Summary

Sample ID: ccv1
Autosampler Position: 3
Sample Date/Time: Thursday, July 21, 2005 17:33:43
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\ccv1 011

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	20351 177	0 008	**0.258**	0 061	23 8	ppb
	Mg	24	2567 655	-0 011	**-0.464**	0 026	5 7	ppb
	Al	27	7374 541	-0 068	**-2.087**	0 057	2 8	ppb
	K	39	524439 992	0 051	**0.909**	0 676	74 4	ppb
	Ca	43	700 812	0.001	**8.827**	5 863	66 4	ppb
>	Sc	45	96109 209	96109 209				ppb
	Fe	57	9995 432	0 009	**2.028**	1 178	58 1	ppb
>	Ge	72	48522 989	48522 989				ppb
>	Lu	175	66057 690	66057 690				ppb
	Pb	208	114386 756	1 724	**5.001**	0 048	1 0	ppb

Quantitative Analysis - Summary

Sample ID: cvs1
Autosampler Position: 5
Sample Date/Time: Thursday, July 21, 2005 17:37:12
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\cvs1 012

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	1713644.665	17.183	**527.808**	15.748	3.0	ppb
	Mg	24	1300803.176	13.153	**567.885**	4.180	0.7	ppb
	Al	27	1759055.889	17.704	**541.031**	17.424	3.2	ppb
	K	39	3332525.616	28.379	**505.259**	11.916	2.4	ppb
	Ca	43	7512.697	0.070	**491.356**	6.866	1.4	ppb
>	Sc	45	98631.597	98631.597				ppb
	Fe	57	124657.313	2.252	**507.655**	11.034	2.2	ppb
>	Ge	72	50917.786	50917.786				ppb
>	Lu	175	69537.084	69537.084				ppb
	Pb	208	976.795	0.006	**0.018**	0.002	11.2	ppb

Quantitative Analysis - Summary

Sample ID: ccb1
Autosampler Position: 1
Sample Date/Time: Thursday, July 21, 2005 17:40:40
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\ccb1 013

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	Conc. Mean	Conc SD	Conc RSD	Sample Unit
	Na	23	18867.650	-0 008	**-0.250**	0 196	78 4	ppb
	Mg	24	3479.904	-0 001	**-0.062**	0 101	163.9	ppb
	Al	27	13370.981	-0 007	**-0.204**	0 159	78 0	ppb
	K	39	527232.275	0.049	**0.877**	2 949	336 3	ppb
	Ca	43	686 853	0 001	**7.527**	3 527	46 9	ppb
>	Sc	45	96706.855	96706.855				ppb
	Fe	57	10586.929	0.019	**4.257**	0.445	10 5	ppb
>	Ge	72	49022.700	49022.700				ppb
>	Lu	175	66149 306	66149.306				ppb
	Pb	208	499.527	-0 000	**-0.001**	0 002	130 6	ppb

Quantitative Analysis - Summary

Sample ID: pb3254 x25

Autosampler Position: 11
Sample Date/Time: Thursday, July 21, 2005 17:44:08
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\pb3254 x25 014

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	38942 330	0 168	**5.169**	0 250	4 8	ppb
	Mg	24	827 821	-0 030	**-1.276**	0 021	1 6	ppb
	Al	27	2175 827	-0 124	**-3.798**	0 042	1 1	ppb
	K	39	519167 913	-0 451	**-8.037**	0 788	9 8	ppb
	Ca	43	443 965	-0 002	**-12.565**	1 234	9 8	ppb
>	Sc	45	104797 044	104797 044				ppb
	Fe	57	10187 116	-0 006	**-1.338**	0 644	48 2	ppb
>	Ge	72	53303 030	53303 030				ppb
>	Lu	175	72354 632	72354 632				ppb
	Pb	208	383 747	-0 003	**-0.008**	0 001	16 8	ppb

Quantitative Analysis - Summary

Sample ID: lcs3254 x25
Autosampler Position: 12
Sample Date/Time: Thursday, July 21, 2005 17:47:36
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\lcs3254 x25 015

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	39043.102	0.188	**5.777**	0.309	5.3	ppb
	Mg	24	902.198	-0.028	**-1.225**	0.068	5.6	ppb
	Al	27	2173.912	-0.123	**-3.765**	0.065	1.7	ppb
	K	39	511647.696	-0.272	**-4.838**	4.509	93.2	ppb
	Ca	43	491.044	-0.001	**-7.736**	1.903	24.6	ppb
>	Sc	45	99829.396	99829.396				ppb
	Fe	57	25858.010	0.313	**70.458**	4.878	6.9	ppb
>	Ge	72	50828.525	50828.525				ppb
>	Lu	175	68947.385	68947.385				ppb
	Pb	208	328500.925	4.759	**13.809**	0.223	1.6	ppb

Quantitative Analysis - Summary

Sample ID: Icd3254 x25
Autosampler Position: 13
Sample Date/Time: Thursday, July 21, 2005 17:51:04
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\Icd3254 x25 016

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	33521.834	0.179	**5.502**	0.106	1 9	ppb
	Mg	24	976.883	-0 026	**-1.131**	0 047	4 1	ppb
	Al	27	2141.717	-0 120	**-3.677**	0 066	1 8	ppb
	K	39	490291 925	0 319	**5.679**	17 122	301 5	ppb
	Ca	43	443 937	-0 001	**-5.991**	5 787	96 6	ppb
>	Sc	45	87753.610	87753 610				ppb
	Fe	57	23820.295	0.349	**78.656**	10 149	12.9	ppb
>	Ge	72	44180 248	44180 248				ppb
>	Lu	175	60528 537	60528 537				ppb
	Pb	208	296713.648	4 886	**14.177**	0 185	1 3	ppb

Quantitative Analysis - Summary

Sample ID: G211-1833-1G x25
Autosampler Position: 14
Sample Date/Time: Thursday, July 21, 2005 17:54:34
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\G211-1833-1G x25 017

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	1127459 289	12 424	**381.638**	11 042	2 9	ppb
	Mg	24	125306 583	1 367	**59.016**	1 307	2 2	ppb
	Al	27	2619.701	-0 115	**-3.525**	0 061	1 7	ppb
	K	39	613800.215	1.576	**28.055**	12 526	44 6	ppb
	Ca	43	30791 959	0.339	**2376.052**	42 936	1 8	ppb
>	Sc	45	88998 187	88998 187				ppb
	Fe	57	35031 237	0 572	**128.857**	6 881	5 3	ppb
>	Ge	72	45769 591	45769 591				ppb
>	Lu	175	62631.851	62631.851				ppb
	Pb	208	749 121	0.004	**0.013**	0 008	66 3	ppb

Quantitative Analysis - Summary

Sample ID: G211-1833-1H ms x25

Autosampler Position: 15
Sample Date/Time: Thursday, July 21, 2005 17:58:03
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\G211-1833-1H ms x25 018

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	1185392.523	12.279	**377.186**	0.910	0.2	ppb
	Mg	24	131679.597	1.349	**58.257**	0.497	0.9	ppb
	Al	27	2470.918	-0.119	**-3.636**	0.052	1.4	ppb
	K	39	633690.440	1.269	**22.587**	2.328	10.3	ppb
	Ca	43	32150.645	0.333	**2328.995**	16.647	0.7	ppb
>	Sc	45	94967.306	94967.306				ppb
	Fe	57	51750.991	0.851	**191.749**	2.062	1.1	ppb
>	Ge	72	49391.531	49391.531				ppb
>	Lu	175	66426.180	66426.180				ppb
	Pb	208	330185.643	4.963	**14.400**	0.157	1.1	ppb

Quantitative Analysis - Summary

Sample ID: G211-1833-1I msd x25

Autosampler Position: 16
Sample Date/Time: Thursday, July 21. 2005 18:01:34
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\G211-1833-1I msd x25 019

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc RSD	Sample Unit
	Na	23	1200460 040	12 310	**378.127**	4 958	1 3	ppb
	Mg	24	131086 205	1 329	**57.377**	0 932	1 6	ppb
	Al	27	2422 843	-0.120	**-3.660**	0 030	0 8	ppb
	K	39	632502 136	1.188	**21.158**	0 821	3 9	ppb
	Ca	43	32487 880	0 333	**2329.518**	23 592	1 0	ppb
>	Sc	45	95924 594	95924 594				ppb
	Fe	57	52593.151	0 879	**198.118**	5 451	2 8	ppb
>	Ge	72	48893.726	48893.726				ppb
>	Lu	175	67478 276	67478 276				ppb
	Pb	208	344777 546	5 101	**14.800**	0 148	1 0	ppb

Quantitative Analysis - Summary

Sample ID: pb3246 x25
Autosampler Position: 17
Sample Date/Time: Thursday, July 21, 2005 18:05:03
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\pb3246 x25 020

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
⌈	Na	23	17371 292	-0.024	**-0.731**	0 143	19 6	ppb
|	Mg	24	1841 525	-0 018	**-0.795**	0 026	3 3	ppb
|	Al	27	3691 204	-0 107	**-3.266**	0.025	0 8	ppb
|	K	39	507792 658	-0 156	**-2.786**	1.381	49.6	ppb
|	Ca	43	454 133	-0 001	**-9.358**	1 991	21 3	ppb
⌊>	Sc	45	96742 857	96742 857				ppb
⌈	Fe	57	8885 012	-0 019	**-4.216**	0.779	18.5	ppb
⌊>	Ge	72	49820 179	49820 179				ppb
⌈>	Lu	175	68686 455	68686 455				ppb
⌊	Pb	208	310 905	-0 003	**-0.010**	0.003	25.9	ppb

Quantitative Analysis - Summary

Sample ID: lcs3246 x25

Autosampler Position: 18
Sample Date/Time: Thursday, July 21, 2005 18:08:30
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\lcs3246 x25 021

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	5635.127	-0.147	**-4.500**	0.122	2.7	ppb
	Mg	24	325.162	-0.034	**-1.476**	0.019	1.3	ppb
	Al	27	1727.495	-0.128	**-3.900**	0.032	0.8	ppb
	K	39	499022.439	-0.374	**-6.658**	2.110	31.7	ppb
	Ca	43	399.897	-0.002	**-13.987**	1.628	11.6	ppb
>	Sc	45	99219.652	99219.652				ppb
	Fe	57	25007.067	0.291	**65.648**	1.439	2.2	ppb
>	Ge	72	51219.583	51219.583				ppb
>	Lu	175	69541.559	69541.559				ppb
	Pb	208	334075.638	4.795	**13.914**	0.178	1.3	ppb

Quantitative Analysis - Summary

Sample ID: lcd3246 x25

Autosampler Position: 19
Sample Date/Time: Thursday, July 21, 2005 18:11:57
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\lcd3246 x25 022

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	5657.386	-0.145	**-4.460**	0.121	2.7	ppb
	Mg	24	322.358	-0.034	**-1.474**	0.032	2.2	ppb
	Al	27	1467.419	-0.130	**-3.971**	0.040	1.0	ppb
	K	39	494293.513	-0.325	**-5.784**	2.260	39.1	ppb
	Ca	43	412.646	-0.002	**-12.523**	1.138	9.1	ppb
>	Sc	45	97326.647	97326.647				ppb
	Fe	57	24192.674	0.293	**66.056**	1.384	2.1	ppb
>	Ge	72	49370.584	49370.584				ppb
>	Lu	175	67362.082	67362.082				ppb
	Pb	208	318695.495	4.723	**13.705**	0.062	0.5	ppb

Quantitative Analysis - Summary

Sample ID: G460-26-3K x25
Autosampler Position: 20
Sample Date/Time: Thursday, July 21, 2005 18:15:24
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072105\G460-26-3K x25 023

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	5309575.313	53.715	**1650.010**	7.726	0.5	ppb
	Mg	24	1322710.382	13.396	**578.386**	7.986	1.4	ppb
	Al	27	41289.323	0.274	**8.382**	0.127	1.5	ppb
	K	39	639758.181	1.093	**19.462**	2.291	11.8	ppb
	Ca	43	10005.015	0.096	**669.223**	4.271	0.6	ppb
>	Sc	45	98483.730	98483.730				ppb
	Fe	57	16562.095	0.124	**28.022**	1.230	4.4	ppb
>	Ge	72	51554.835	51554.835				ppb
>	Lu	175	71375.880	71375.880				ppb
	Pb	208	1275.530	0.010	**0.029**	0.006	21.8	ppb

Quantitative Analysis - Summary

Sample ID: ccv2

Autosampler Position: 3
Sample Date/Time: Thursday, July 21, 2005 18:18:51
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\ccv2 024

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
⌈	Na	23	19875 576	0.010	**0.302**	0.530	175.4	ppb
|	Mg	24	2394.794	-0 012	**-0.508**	0.142	27 9	ppb
|	Al	27	6741.495	-0.073	**-2.223**	0.066	3.0	ppb
|	K	39	516704.707	0 134	**2.385**	1.810	75.9	ppb
|	Ca	43	752.402	0 002	**14.257**	2.624	18 4	ppb
⌊>	Sc	45	93288 577	93288 577				ppb
⌈	Fe	57	9329.387	-0.001	**-0.161**	0 940	584 8	ppb
⌊>	Ge	72	47521.568	47521.568				ppb
⌈>	Lu	175	64083.054	64083.054				ppb
⌊	Pb	208	112241.161	1 744	**5.059**	0.090	1.8	ppb

Quantitative Analysis - Summary

Sample ID: ccb2
Autosampler Position: 1
Sample Date/Time: Thursday, July 21, 2005 18:22:19
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\ccb2 025

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	17557.259	-0.015	**-0.448**	0.089	19.9	ppb
	Mg	24	3215.884	-0.003	**-0.124**	0.043	35.0	ppb
	Al	27	12558.449	-0.010	**-0.305**	0.176	57.6	ppb
	K	39	515323.734	0.137	**2.446**	3.323	135.8	ppb
	Ca	43	674.402	0.001	**8.578**	2.566	29.9	ppb
>	Sc	45	93039.231	93039.231				ppb
	Fe	57	9604.044	0.007	**1.572**	1.041	66.2	ppb
>	Ge	72	47086.264	47086.264				ppb
>	Lu	175	64027.613	64027.613				ppb
	Pb	208	534.755	0.000	**0.001**	0.001	98.0	ppb

Quantitative Analysis - Summary

Sample ID: G460-26-3L ms

Autosampler Position: 21
Sample Date/Time: Thursday, July 21, 2005 18:25:46
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072105\G460-26-3L ms 026

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	5301492.096	53.495	**1643.249**	29.400	1.8	ppb
	Mg	24	1337032.707	13.506	**583.123**	10.023	1.7	ppb
	Al	27	56713.063	0.429	**13.124**	0.323	2.5	ppb
	K	39	637492.740	1.052	**18.728**	1.937	10.3	ppb
	Ca	43	10063.537	0.096	**671.645**	5.343	0.8	ppb
>	Sc	45	98736.743	98736.743				ppb
	Fe	57	32696.859	0.443	**99.832**	0.499	0.5	ppb
>	Ge	72	51089.690	51089.690				ppb
>	Lu	175	70617.000	70617.000				ppb
	Pb	208	348021.858	4.921	**14.277**	0.142	1.0	ppb

Quantitative Analysis - Summary

Sample ID: G460-26-3M x25

Autosampler Position: 22

Sample Date/Time: Thursday, July 21, 2005 18:29:14

Sample File: C:\elandata\Sample\072105a sam

Method File: c:\elandata\Method\6020 mth

Dataset File: C:\elandata\Dataset\072105\G460-26-3M x25 027

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	5283427.745	54.415	**1671.516**	36.208	2.2	ppb
	Mg	24	1304817.607	13.454	**580.900**	16.048	2.8	ppb
	Al	27	53673.138	0.410	**12.529**	0.541	4.3	ppb
	K	39	631741.105	1.127	**20.074**	3.785	18.9	ppb
	Ca	43	10112.406	0.099	**690.421**	38.486	5.6	ppb
>	Sc	45	96764.723	96764.723				ppb
	Fe	57	32907.825	0.452	**101.825**	2.259	2.2	ppb
>	Ge	72	50725.768	50725.768				ppb
>	Lu	175	70504.413	70504.413				ppb
	Pb	208	355661.433	5.038	**14.617**	0.172	1.2	ppb

Quantitative Analysis - Summary

Sample ID: G460-26-1K x25

Autosampler Position: 23
Sample Date/Time: Thursday, July 21, 2005 18:32:42
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\G460-26-1K x25 028

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	5442309 734	55 009	**1689.758**	2 604	0 2	ppb
	Mg	24	1308783 544	13 240	**571.647**	2 362	0 4	ppb
	Al	27	85318 739	0 721	**22.019**	0 075	0 3	ppb
	K	39	566364 645	0.342	**6.088**	2.231	36 6	ppb
	Ca	43	10136.242	0 097	**678.105**	9.461	1.4	ppb
>	Sc	45	98568.100	98568.100				ppb
	Fe	57	23225.602	0 254	**57.279**	0.467	0 8	ppb
>	Ge	72	51472.686	51472 686				ppb
>	Lu	175	71444.840	71444.840				ppb
	Pb	208	1481 421	0 013	**0.037**	0 004	9.8	ppb

Quantitative Analysis - Summary

Sample ID: G460-26-2K x25

Autosampler Position: 24
Sample Date/Time: Thursday, July 21, 2005 18:36:10
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072105\G460-26-2K x25 029

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	3120564.071	29.260	**898.801**	6.282	0.7	ppb
	Mg	24	1629522.232	15.350	**662.772**	7.590	1.1	ppb
	Al	27	7114.912	-0.078	**-2.378**	0.078	3.3	ppb
	K	39	543874.310	-0.269	**-4.789**	1.763	36.8	ppb
	Ca	43	11700.387	0.104	**731.587**	8.763	1.2	ppb
>	Sc	45	105908.169	105908.169				ppb
	Fe	57	10297.055	-0.010	**-2.358**	0.899	38.1	ppb
>	Ge	72	55198.621	55198.621				ppb
>	Lu	175	76054.587	76054.587				ppb
	Pb	208	338.879	-0.004	**-0.010**	0.001	6.1	ppb

Quantitative Analysis - Summary

Sample ID: G161-2070-1N x25

Autosampler Position: 25
Sample Date/Time: Thursday, July 21, 2005 18:39:39
Sample File: C:\elandata\Sample\072105a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072105\G161-2070-1N x25.030

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	4850551.536	51.234	**1573.807**	32.486	2.1	ppb
	Mg	24	2166283.707	22.945	**990.680**	11.225	1.1	ppb
	Al	27	104409.019	0.963	**29.436**	0.156	0.5	ppb
	K	39	1591542.171	11.519	**205.085**	11.227	5.5	ppb
	Ca	43	33688.294	0.352	**2463.305**	30.835	1.3	ppb
>	Sc	45	94232.183	94232.183				ppb
	Fe	57	34603.899	0.514	**115.799**	3.802	3.3	ppb
>	Ge	72	48743.117	48743.117				ppb
>	Lu	175	67474.095	67474.095				ppb
	Pb	208	1473.368	0.014	**0.040**	0.002	5.2	ppb

Quantitative Analysis - Summary

Sample ID: G161-2069-1N x25

Autosampler Position: 26
Sample Date/Time: Thursday, July 21, 2005 18:43:08
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\G161-2069-1N x25 031

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens. Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	2336288.549	22.445	**689.463**	7.101	1.0	ppb
	Mg	24	1215611.603	11.751	**507.366**	11.304	2.2	ppb
	Al	27	458061.714	4.297	**131.327**	3.173	2.4	ppb
	K	39	795877.134	2.314	**41.201**	3.580	8.7	ppb
	Ca	43	17230.408	0.161	**1127.744**	19.974	1.8	ppb
>	Sc	45	103152.177	103152.177				ppb
	Fe	57	62531.854	0.984	**221.807**	3.204	1.4	ppb
>	Ge	72	52954.426	52954.426				ppb
>	Lu	175	72810.157	72810.157				ppb
	Pb	208	16495.528	0.219	**0.634**	0.010	1.7	ppb

Quantitative Analysis - Summary

Sample ID: G161-2069-2P x25

Autosampler Position: 27
Sample Date/Time: Thursday, July 21. 2005 18:46:37
Sample File: C:\elandata\Sample\072105a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\072105\G161-2069-2P x25 032

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	5349037.592	54.007	**1658.981**	3.555	0.2	ppb
	Mg	24	1109051.228	11.203	**483.682**	1.179	0.2	ppb
	Al	27	49882.743	0.361	**11.019**	0.090	0.8	ppb
	K	39	1009505.942	4.827	**85.941**	2.224	2.6	ppb
	Ca	43	15681.362	0.153	**1070.993**	12.727	1.2	ppb
>	Sc	45	98670.899	98670.899				ppb
	Fe	57	20143.382	0.201	**45.215**	1.783	3.9	ppb
>	Ge	72	50669.414	50669.414				ppb
>	Lu	175	70859.163	70859.163				ppb
	Pb	208	4183.001	0.051	**0.148**	0.002	1.4	ppb

Quantitative Analysis - Summary

Sample ID: G161-2069-2Q dup x25

Autosampler Position: 28
Sample Date/Time: Thursday. July 21, 2005 18:50:06
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\G161-2069-2Q dup x25 033

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	5266141.193	55.184	**1695.132**	34.097	2.0	ppb
	Mg	24	1116334.977	11.705	**505.396**	3.447	0.7	ppb
	Al	27	89164.347	0.793	**24.230**	0.323	1.3	ppb
	K	39	1030128.267	5.434	**96.750**	3.000	3.1	ppb
	Ca	43	15575.515	0.158	**1105.241**	12.515	1.1	ppb
>	Sc	45	95056.930	95056.930				ppb
	Fe	57	22834.902	0.266	**59.977**	1.892	3.2	ppb
>	Ge	72	49319.105	49319.105				ppb
>	Lu	175	68652.954	68652.954				ppb
	Pb	208	4095.407	0.052	**0.150**	0.004	2.6	ppb

Quantitative Analysis - Summary

Sample ID: G161-2069-2Q dup x125 SD

Autosampler Position: 29
Sample Date/Time: Thursday, July 21, 2005 18:53:36
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\G161-2069-2Q dup x125 SD 034

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	1320387.208	13.578	**417.083**	8.187	2.0	ppb
	Mg	24	223505.295	2.295	**99.101**	1.186	1.2	ppb
	Al	27	19217.385	0.056	**1.697**	0.099	5.8	ppb
	K	39	591002.951	0.762	**13.574**	0.246	1.8	ppb
	Ca	43	3427.667	0.030	**208.310**	4.988	2.4	ppb
>	Sc	45	95815.087	95815.087				ppb
	Fe	57	11446.857	0.038	**8.523**	1.013	11.9	ppb
>	Ge	72	48746.167	48746.167				ppb
>	Lu	175	66720.216	66720.216				ppb
	Pb	208	898.569	0.005	**0.016**	0.002	11.3	ppb

Quantitative Analysis - Summary

Sample ID: G161-2069-2Q dup x25 PDS

Autosampler Position: 30
Sample Date/Time: Thursday, July 21, 2005 18:57:06
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\G161-2069-2Q dup x25 PDS 035

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens Mean	**Conc. Mean**	Conc. SD	Conc RSD	Sample Unit
	Na	23	5314638 349	54 955	**1688.104**	16 761	1 0	ppb
	Mg	24	1120759 567	11 596	**500.664**	2.016	0 4	ppb
	Al	27	90499.937	0.794	**24.276**	0.071	0 3	ppb
	K	39	1035153 653	5 340	**95.076**	1 488	1 6	ppb
	Ca	43	15515 515	0 155	**1085.721**	4.180	0 4	ppb
>	Sc	45	96339 571	96339 571				ppb
	Fe	57	22876.006	0.255	**57.430**	1 684	2.9	ppb
>	Ge	72	50636 401	50636 401				ppb
>	Lu	175	70294 789	70294.789				ppb
	Pb	208	27558.333	0 384	**1.114**	0 024	2.2	ppb

Quantitative Analysis - Summary

Sample ID: ccv3

Autosampler Position: 3
Sample Date/Time: Thursday, July 21. 2005 19:00:35
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\ccv3 036

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Na	23	19343.881	0.011	**0.336**	0.396	118.1	ppb
|	Mg	24	2265.287	-0.012	**-0.534**	0.095	17.8	ppb
|	Al	27	6447.839	-0.074	**-2.250**	0.075	3.3	ppb
|	K	39	495059.630	0.076	**1.357**	2.884	212.6	ppb
|	Ca	43	719.577	0.002	**13.589**	2.605	19.2	ppb
⌊>	Sc	45	90367.597	90367.597				ppb
⌈	Fe	57	8834.583	-0.007	**-1.495**	1.134	75.8	ppb
⌊>	Ge	72	46417.918	46417.918				ppb
⌈>	Lu	175	64348.487	64348.487				ppb
⌊	Pb	208	111619.539	1.727	**5.010**	0.053	1.1	ppb

Quantitative Analysis - Summary

Sample ID: ccb3

Autosampler Position: 1
Sample Date/Time: Thursday, July 21, 2005 19:04:03
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\ccb3 037

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	17441.269	-0.008	**-0.247**	0.236	95.4	ppb
	Mg	24	3104.634	-0.003	**-0.116**	0.056	48.3	ppb
	Al	27	11897.223	-0.012	**-0.361**	0.070	19.4	ppb
	K	39	489449.996	0.076	**1.345**	2.103	156.4	ppb
	Ca	43	666.425	0.001	**10.098**	4.300	42.6	ppb
>	Sc	45	89335.019	89335.019				ppb
	Fe	57	9074.909	0.002	**0.340**	0.973	286.3	ppb
>	Ge	72	45715.422	45715.422				ppb
>	Lu	175	63172.214	63172.214				ppb
	Pb	208	559.854	0.001	**0.002**	0.001	29.4	ppb

Quantitative Analysis - Summary

Sample ID: icsA2

Autosampler Position: 9
Sample Date/Time: Thursday, July 21, 2005 19:07:31
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\icsA2 038

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	14178599.226	152.345	**4679.700**	48.811	1.0	ppb
	Mg	24	9725831.412	104.593	**4515.935**	69.954	1.5	ppb
	Al	27	14327771.444	154.028	**4707.108**	41.811	0.9	ppb
	K	39	26450856.700	279.165	**4970.268**	78.488	1.6	ppb
	Ca	43	61630.574	0.657	**4603.142**	18.531	0.4	ppb
>	Sc	45	92924.942	92924.942				ppb
	Fe	57	1051645.274	20.862	**4701.967**	23.221	0.5	ppb
>	Ge	72	49932.648	49932.648				ppb
>	Lu	175	69247.149	69247.149				ppb
	Pb	208	1031.589	0.007	**0.020**	0.002	10.6	ppb

Quantitative Analysis - Summary

Sample ID: icsB2
Autosampler Position: 10
Sample Date/Time: Thursday, July 21, 2005 19:10:59
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\icsB2 039

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	14528397.880	171.782	**5276.737**	157.918	3.0	ppb
	Mg	24	9937590.739	117.620	**5078.368**	172.182	3.4	ppb
	Al	27	14393645.584	170.268	**5203.409**	181.841	3.5	ppb
	K	39	26028115.390	302.776	**5390.638**	204.333	3.8	ppb
	Ca	43	60135.003	0.706	**4945.508**	227.441	4.6	ppb
>	Sc	45	84558.164	84558.164				ppb
	Fe	57	1010545.457	19.938	**4493.812**	60.733	1.4	ppb
>	Ge	72	50188.485	50188.485				ppb
>	Lu	175	68220.322	68220.322				ppb
	Pb	208	74187.175	1.080	**3.132**	0.039	1.3	ppb

Quantitative Analysis - Summary

Sample ID: ccv4

Autosampler Position: 3
Sample Date/Time: Thursday, July 21, 2005 19:14:26
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\ccv4 040

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	20455.976	0.030	**0.936**	0.678	72.4	ppb
	Mg	24	3579.402	0.004	**0.152**	0.576	378.9	ppb
	Al	27	8628.236	-0.046	**-1.416**	0.652	46.1	ppb
	K	39	483597.724	0.119	**2.128**	1.870	87.9	ppb
	Ca	43	702.622	0.002	**13.999**	3.014	21.5	ppb
>	Sc	45	87538.836	87538.836				ppb
	Fe	57	9551.605	0.014	**3.244**	1.408	43.4	ppb
>	Ge	72	45171.180	45171.180				ppb
>	Lu	175	62133.155	62133.155				ppb
	Pb	208	110089.117	1.764	**5.117**	0.096	1.9	ppb

Quantitative Analysis - Summary

Sample ID: cvs2

Autosampler Position: 5
Sample Date/Time: Thursday, July 21, 2005 19:17:55
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\cvs2 041

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	1748279.549	19.223	**590.490**	24.137	4.1	ppb
	Mg	24	1210689.550	13.412	**579.084**	9.500	1.6	ppb
	Al	27	1684561.395	18.568	**567.431**	15.234	2.7	ppb
	K	39	3087502.863	28.891	**514.378**	9.068	1.8	ppb
	Ca	43	6890.634	0.071	**493.893**	9.853	2.0	ppb
>	Sc	45	90030.563	90030.563				ppb
	Fe	57	114225.580	2.258	**508.991**	6.328	1.2	ppb
>	Ge	72	46521.860	46521.860				ppb
>	Lu	175	64390.093	64390.093				ppb
	Pb	208	928.964	0.006	**0.019**	0.002	10.3	ppb

Quantitative Analysis - Summary

Sample ID: ccb4

Autosampler Position: 1
Sample Date/Time: Thursday, July 21, 2005 19:21:23
Sample File: C:\elandata\Sample\072105a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\072105\ccb4 042

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	17154.804	-0.009	**-0.288**	0.185	64.2	ppb
	Mg	24	3267.981	-0.000	**-0.021**	0.110	515.2	ppb
	Al	27	12518.443	-0.003	**-0.106**	0.187	176.4	ppb
	K	39	476364.925	-0.020	**-0.350**	1.219	348.1	ppb
	Ca	43	658.152	0.001	**9.895**	3.507	35.4	ppb
>	Sc	45	88450.345	88450.345				ppb
	Fe	57	9549.987	0.010	**2.339**	0.562	24.0	ppb
>	Ge	72	46043.064	46043.064				ppb
>	Lu	175	61677.781	61677.781				ppb
	Pb	208	487.716	-0.000	**-0.000**	0.002	619.9	ppb

Metals Prep, Standard, Run Logs

Prep Report for Batch 3257 (METALS/3010/WATER) on 2005-07-18

Sample ID (GCCODE)	EXT	InitVol	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time	Analyst
blk071505b		5			50	45105	45105				psw
G122-2617-10J (142549)		50			50	45105	45105				psw
G122-2617-11H (142550)		50			50	45105	45105				psw
G122-2617-12F (142551)		50			50	45105	45105				psw
G122-2617-13F (142552)		50			50	45105	45105				psw
G122-2617-5F (142544)		50			50	45105	45105				psw
G122-2617-6F (142545)		50			50	45105	45105				psw
G122-2617-7F (142546)		50			50	45105	45105				psw
G122-2617-8F (142547)		50			50	45105	45105				psw
G122-2617-9F (142548)		50			50	45105	45105				psw
G122-2618-1I (142553)		50			50	45105	45105				psw
G122-2618-2H (142554)		50			50	45105	45105				psw
G122-2618-3H (142555)		50			50	45105	45105				psw
G122-2618-4H (142556)		50			50	45105	45105				psw
G122-2618-5H (142557)		50			50	45105	45105				psw
G122-2618-6H (142558)		50			50	45105	45105				psw
G122-2618-7H (142559)		50			50	45105	45105				psw
G122-2618-7I (142560)	DUP	50			50	45105	45105				psw
G161-2070-2O (142539)		50			50	45105	45105				psw
G161-2070-2P (142540)	MS	50	0711-367,0711-368	1	50	45105	45105				psw
G161-2070-2Q (142541)	MSD	50	0711-367,0711-368	1	50	45105	45105				psw
G161-2070-3K (142542)		50			50	45105	45105				psw
G537-158-3D (142543)		5			50	45105	45105				psw
lcd3257	LCD	50	0711-367,0711-368	1	50	45105	45105				psw

lcs3257	LCS	50	0711–367,0711–368	1	50	45105	45105				psw
pb3257	PB	50			50	45105	45105				psw

Prep Report for Batch 3249 (MERCURY/7470/WATER) on 2005-07-18

Sample ID (GCCODE)	EXT	InitVol	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time	Analyst
blk071205a		20			50	45105	45105	45105	9:30	95.2	psw
blk071505b		20			50	45105	45105	45105	9:30	95.2	psw
blk071505b dup	DUP	20			50	45105	45105	45105	9:30	95.2	psw
G132-1378-1B (142071)		40			50	45105	45105	45105	9:30	95.2	psw
G132-1378-2B (142072)		40			50	45105	45105	45105	9:30	95.2	psw
G132-1379-1D (142073)		40			50	45105	45105	45105	9:30	95.2	psw
G161-2067-12J (142068)		40			50	45105	45105	45105	9:30	95.2	psw
G161-2067-14J (142069)		40			50	45105	45105	45105	9:30	95.2	psw
G161-2067-16J (142070)		40			50	45105	45105	45105	9:30	95.2	psw
G161-2068-1I (142067)		40			50	45105	45105	45105	9:30	95.2	psw
G161-2070-2L (142063)		40			50	45105	45105	45105	9:30	95.2	psw
G161-2070-2M (142064)	MS	40	D-092,D-094	250	50	45105	45105	45105	9:30	95.2	psw
G161-2070-2N (142065)	MSD	40	D-092,D-094	250	50	45105	45105	45105	9:30	95.2	psw
G161-2070-3J (142066)		40			50	45105	45105	45105	9:30	95.2	psw
G537-158-3C (142078)		20			50	45105	45105	45105	9:30	95.2	psw
G546-41-18G (142075)		20			50	45105	45105	45105	9:30	95.2	psw
G546-41-27G (142076)		20			50	45105	45105	45105	9:30	95.2	psw
G546-41-36K (142077)		20			50	45105	45105	45105	9:30	95.2	psw
G546-41-9G (142074)		20			50	45105	45105	45105	9:30	95.2	psw
lcd3249	LCD	40	D-092,D-094	250	50	45105	45105	45105	9:30	95.2	psw
lcs3249	LCS	40	D-092,D-094	250	50	45105	45105	45105	9:30	95.2	psw
pb3249	PB	40			50	45105	45105	45105	9:30	95.2	psw

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		0620-361 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		
			Appl CHK		0620-364		

IN41.061504.1

625 Sample Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715732.D Vial: 32
Acq On : 16 Jul 2005 4:35 am Operator: MRC
Sample : G161-2070-1L x1 Inst : MSD7
Misc : 625 - BN - TICS - CLP [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 16 05:00:27 2005 Quant Results File: 8270.RES

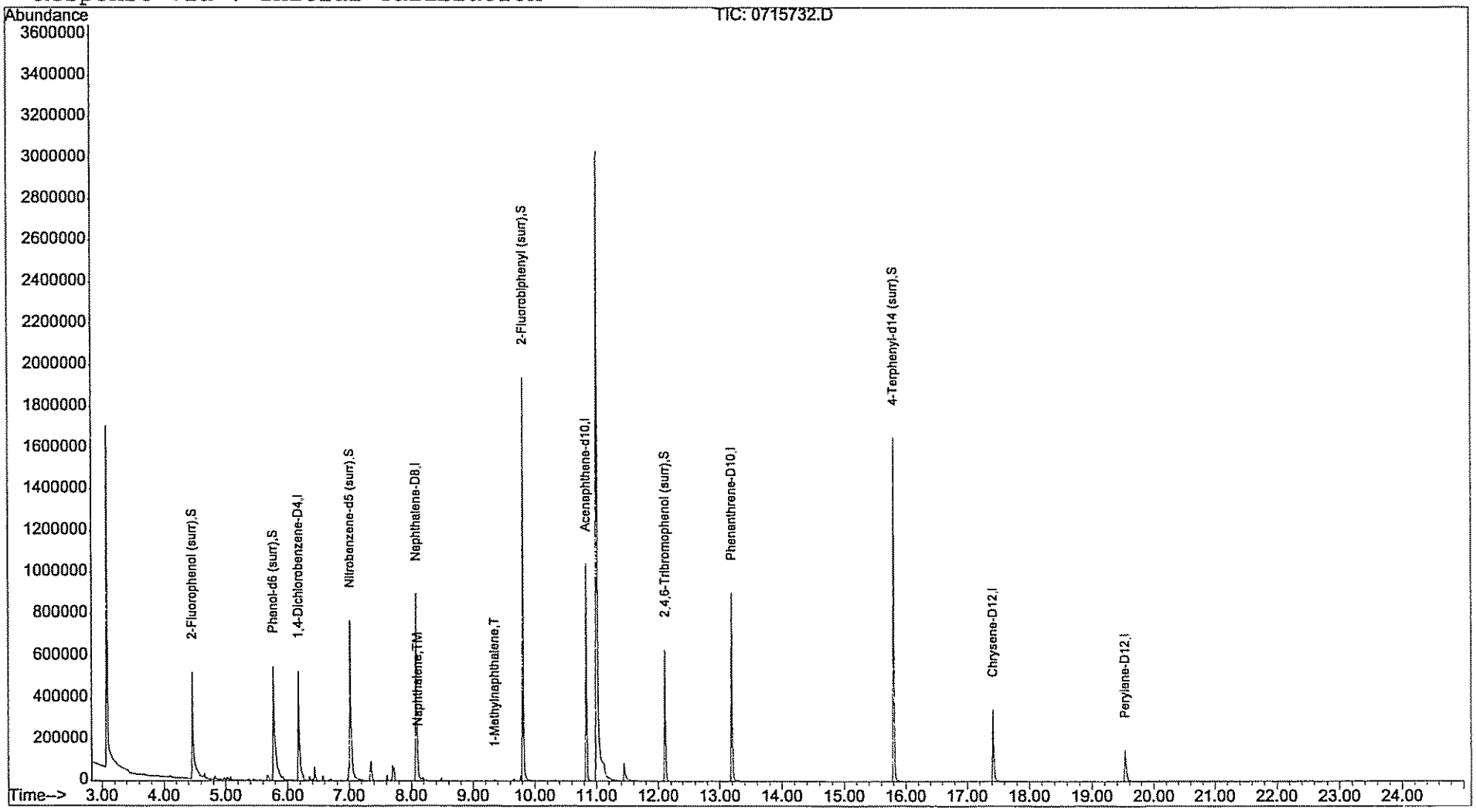
Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.18	152	166283	4.00 ug/mL	-0.07
18) Naphthalene-D8	8.08	136	659293	4.00 ug/mL	-0.08
33) Acenaphthene-d10	10.83	164	322248	4.00 ug/mL	-0.09
55) Phenanthrene-D10	13.19	188	496641	4.00 ug/mL	-0.09
85) Chrysene-D12	17.42	240	235290	4.00 ug/mL	-0.10
93) Perylene-D12	19.53	264	130895	4.00 ug/mL	-0.10
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	4.46	112	346413m	9.05 ug/mL	-0.06
Spiked Amount 10.000			Recovery	= 90.50%	
17) Phenol-d6 (surr)	5.77	99	529779	9.41 ug/mL	-0.06
Spiked Amount 10.000			Recovery	= 94.10%	
32) Nitrobenzene-d5 (surr)	7.02	128	203160	9.63 ug/mL	-0.07
Spiked Amount 10.000			Recovery	= 96.30%	
53) 2-Fluorobiphenyl (surr)	9.81	172	844472	9.48 ug/mL	-0.08
Spiked Amount 10.000			Recovery	= 94.80%	
54) 2,4,6-Tribromophenol (surr	12.11	330	97424	9.83 ug/mL	-0.09
Spiked Amount 10.000			Recovery	= 98.30%	
92) 4-Terphenyl-d14 (surr)	15.80	244	749129	12.74 ug/mL	-0.09
Spiked Amount 10.000			Recovery	= 127.40%	
Target Compounds					Qvalue
27) Naphthalene	8.11	128	33827	0.25 ug/mL	95
40) 1-Methylnaphthalene	9.35	142	5347	0.06 ug/mL#	79

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

Data File : C:\MSDCHEM\1\DATA\7071505\0715732.D Vial: 32
Acq On : 16 Jul 2005 4:35 am Operator: MRC
Sample : G161-2070-1L x1 Inst : MSD7
Misc : 625 - BN - TICS - CLP [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 15:41 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7071805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\7071505\0715732.D Vial: 32
Acq On : 16 Jul 2005 4:35 am Operator: MRC
Sample : G161-2070-1L x1 Inst : MSD7
Misc : 625 - BN - TICS - CLP [3520-3238] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\DATA\7071505\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.
3.08	9.65 ug/mL	2011000	1,4-Dichlorobenzene-D4	6.18

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	87
5	Toluene	92	C7H8	000108-88-3	87

****
Peak Number 2 Hexanoic acid, 2-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	0.51 ug/mL	157150	Naphthalene-D8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	53
2	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	53
3	Butanoic acid, 3-methyl-, ethyl ...	130	C7H14O2	000108-64-5	9
4	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9
5	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	9

****
Peak Number 3 2-Propenoic acid, 3-(1H-ind... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	15.90 ug/mL	5081390	Acenaphthene-d10	10.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 3-(1H-indol-3-...	187	C11H9NO2	001204-06-4	10
2	p-Cyanophenyl trifluoromethyl ether	187	C8H4F3NO	000332-25-2	9
3	Benzene, 1-isocyanato-2-(trifluo...	187	C8H4F3NO	002285-12-3	9
4	Benzene, 1-isocyanato-3-(trifluo...	187	C8H4F3NO	000329-01-1	9
5	4-Fluoro-4,5-dichlorocyclohexane	170	C6H9Cl2F	000000-00-0	9

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\7071505\0715732.D Vial: 32
Acq On : 16 Jul 2005 4:35 am Operator: MRC
Sample : G161-2070-1L x1 Inst : MSD7
Misc : 625 - BN - TICS - CLP [3520-3238] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****
Peak Number 4 1,3-Cyclopentadiene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	0.53 ug/mL	169612	Acenaphthene-d10	10.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene	66	C5H6	000542-92-7	37
2	1-Penten-3-yne	66	C5H6	000646-05-9	32
3	1,3-Cyclopentadiene	66	C5H6	000542-92-7	32
4	1-Buten-3-yne, 2-methyl-	66	C5H6	000078-80-8	7
5	1-Penten-3-yne	66	C5H6	000646-05-9	5

Tentatively Identified Compound (LSC) summary

)perator ID: MRC Date Acquired: 16 Jul 2005 4:35 am
)ata File: C:\MSDCHEM\1\DATA\7071505\0715732.D
Iame: G161-2070-1L x1
Iisc: 625 - BN - TICS - CLP [3520-3238]
Iethod: C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
:itle: 5 POINT INITIAL CALIBRATION FOR 8270
.ibrary Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Toluene	3.08	9.6	ug/mL	2011000	1	6.18	833796	4.0
Hexanoic acid, 2-...	7.35	0.5	ug/mL	157150	2	8.08	1237510	4.0
2-Propenoic acid,...	11.01	15.9	ug/mL	5081390	3	10.83	1278620	4.0
1,3-Cyclopentadiene	11.45	0.5	ug/mL	169612	3	10.83	1278620	4.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715733.D Vial: 33
Acq On : 16 Jul 2005 5:09 am Operator: MRC
Sample : G161-2070-2J x1 Inst : MSD7
Misc : 625 - BN - TICS - CLP [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 16 05:34:26 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

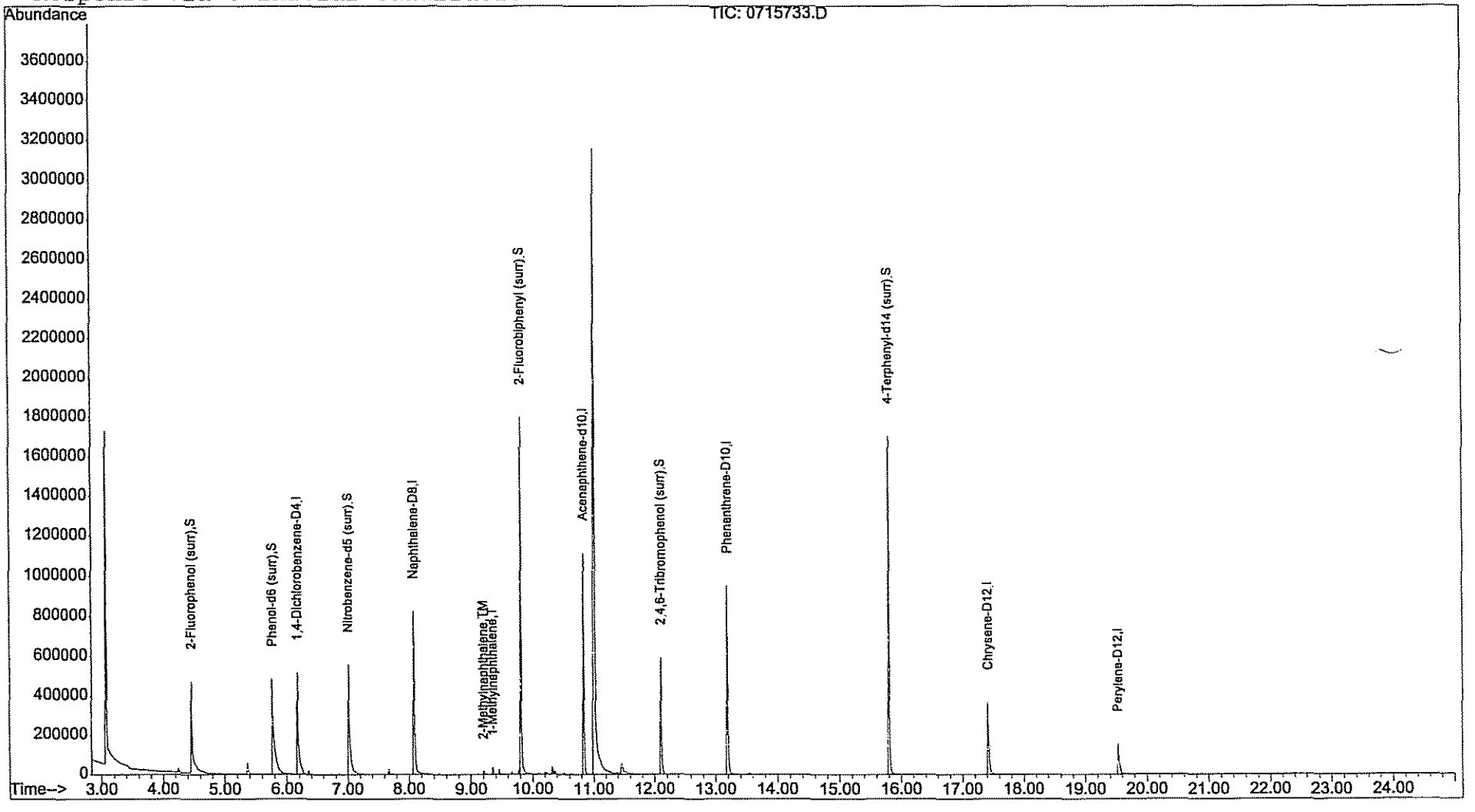
mc 07.18.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.18	152	166995	4.00	ug/mL	-0.07
18) Naphthalene-D8	8.08	136	679557	4.00	ug/mL	-0.08
33) Acenaphthene-d10	10.83	164	343967	4.00	ug/mL	-0.09
55) Phenanthrene-D10	13.19	188	522464	4.00	ug/mL	-0.09
85) Chrysene-D12	17.42	240	255807	4.00	ug/mL	-0.10
93) Perylene-D12	19.53	264	139046	4.00	ug/mL	-0.10
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	4.46	112	292991	7.62	ug/mL	-0.06
Spiked Amount 10.000			Recovery	=	76.20%	
17) Phenol-d6 (surr)	5.77	99	496667	8.79	ug/mL	-0.06
Spiked Amount 10.000			Recovery	=	87.90%	
32) Nitrobenzene-d5 (surr)	7.01	128	181275	8.34	ug/mL	-0.08
Spiked Amount 10.000			Recovery	=	83.40%	
53) 2-Fluorobiphenyl (surr)	9.81	172	786802	8.28	ug/mL	-0.08
Spiked Amount 10.000			Recovery	=	82.80%	
54) 2,4,6-Tribromophenol (surr	12.11	330	94783	8.96	ug/mL	-0.09
Spiked Amount 10.000			Recovery	=	89.60%	
92) 4-Terphenyl-d14 (surr)	15.80	244	790746	12.37	ug/mL	-0.09
Spiked Amount 10.000			Recovery	=	123.70%	
Target Compounds						Qvalue
31) 2-Methylnaphthalene	9.21	142	12335	0.12	ug/mL	97
40) 1-Methylnaphthalene	9.35	142	23197	0.24	ug/mL	94

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

Data File : C:\MSDCHEM\1\DATA\7071505\0715733.D Vial: 33
Acq On : 16 Jul 2005 5:09 am Operator: MRC
Sample : G161-2070-2J x1 Inst : MSD7
Misc : 625 - BN - TICS - CLP [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 15:42 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7071805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\7071505\0715733.D Vial: 33
Acq On : 16 Jul 2005 5:09 am Operator: MRC
Sample : G161-2070-2J x1 Inst : MSD7
Misc : 625 - BN - TICS - CLP [3520-3238] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\DATA\7071505\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.
3.08	10.02 ug/mL	2098480	1,4-Dichlorobenzene-D4	6.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	94
2	Toluene	92	C7H8	000108-88-3	94
3	Toluene	92	C7H8	000108-88-3	87
4	Toluene	92	C7H8	000108-88-3	87
5	Toluene	92	C7H8	000108-88-3	83

****
Peak Number 2 p-Cyanophenyl trifluorometh... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	16.26 ug/mL	5477980	Acenaphthene-d10	10.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cyanophenyl trifluoromethyl ether	187	C8H4F3NO	000332-25-2	9
2	Benzene, 1-isocyanato-2-(trifluo...	187	C8H4F3NO	002285-12-3	9
3	Benzene, 1-isocyanato-3-(trifluo...	187	C8H4F3NO	000329-01-1	9
4	4-Fluoro-4,5-dichlorocyclohexane	170	C6H9Cl2F	000000-00-0	9
5	Amrinone	187	C10H9N3O	060719-84-8	7

Tentatively Identified Compound (LSC) summary

)perator ID: MRC Date Acquired: 16 Jul 2005 5:09 am
)ata File: C:\MSDCHEM\1\DATA\7071505\0715733.D
Jame: G161-2070-2J x1
Misc: 625 - BN - TICS - CLP [3520-3238]
Method: C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title: 5 POINT INITIAL CALIBRATION FOR 8270
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Toluene	3.08	10.0	ug/mL	2098480	1	6.18	837391	4.0
p-Cyanophenyl tri...	11.01	16.3	ug/mL	5477980	3	10.83	1347190	4.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071905\0719603.D Vial: 3
Acq On : 19 Jul 2005 12:03 pm Operator: MRC
Sample : G161-2070-2J x1 Inst : MSD6
Misc : 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 19 13:48 2005 Quant Results File: DXN.RES

Quant Method : C:\HPCHEM\1\DATA\6071905\DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 13 07:53:43 2005
Response via : Initial Calibration
DataAcq Meth : 8270DXN

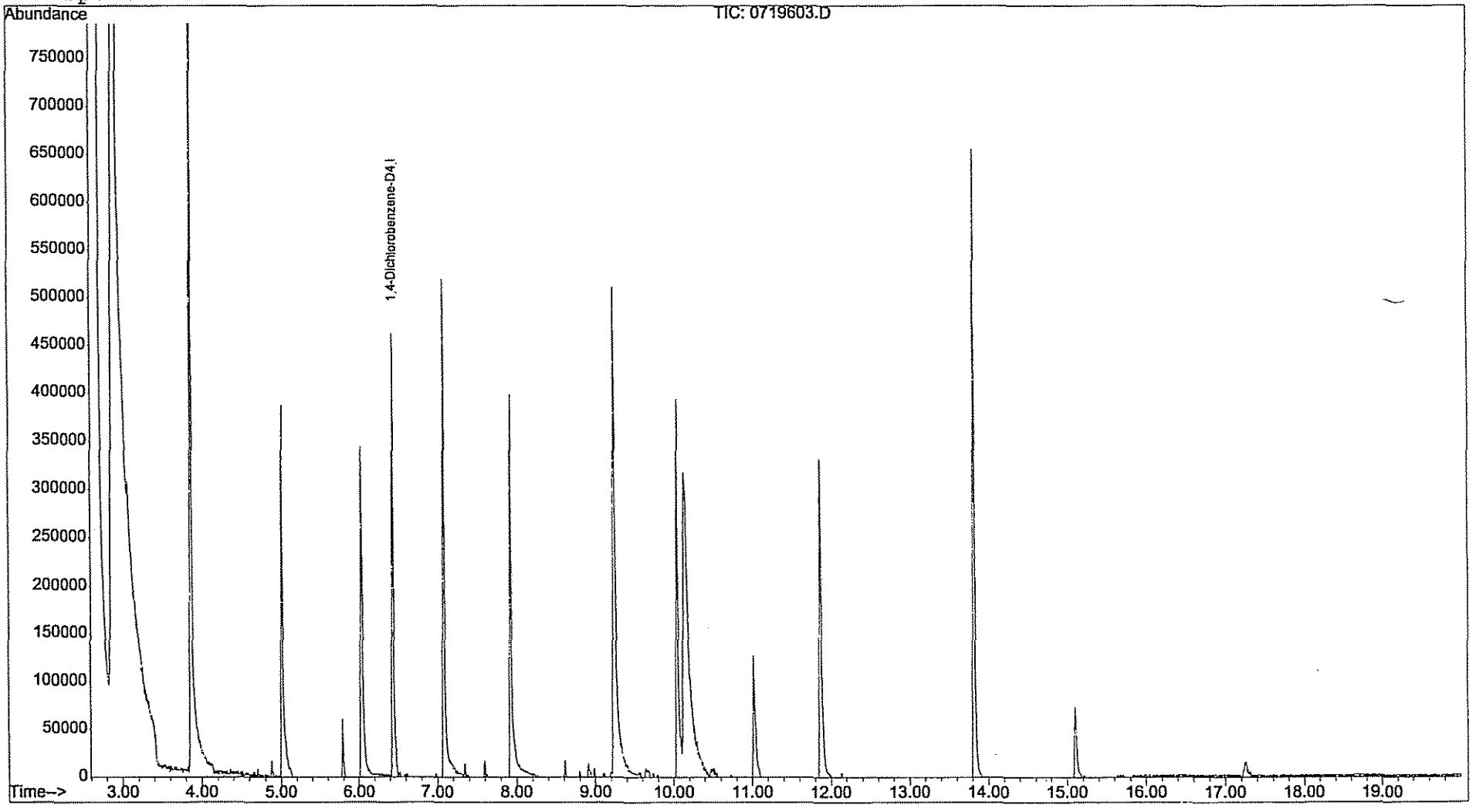
nl 07-19-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.44	152	111213	4.00	ug/mL	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	0.00	88	0	N.D.		

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

Data File : C:\HPCHEM\1\DATA\6071905\0719603.D Vial: 3
Acq On : 19 Jul 2005 12:03 pm Operator: MRC
Sample : G161-2070-2J x1 Inst : MSD6
Misc : 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 19 13:48 2005 Quant Results File: DXN.RES

Method : C:\HPCHEM\1\DATA\6071905\DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 13 07:53:43 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715734.D Vial: 34
Acq On : 16 Jul 2005 5:43 am Operator: MRC
Sample : G161-2070-3G x1 Inst : MSD7
Misc : 625 - BN - TICS - CLP [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 16 06:08:33 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

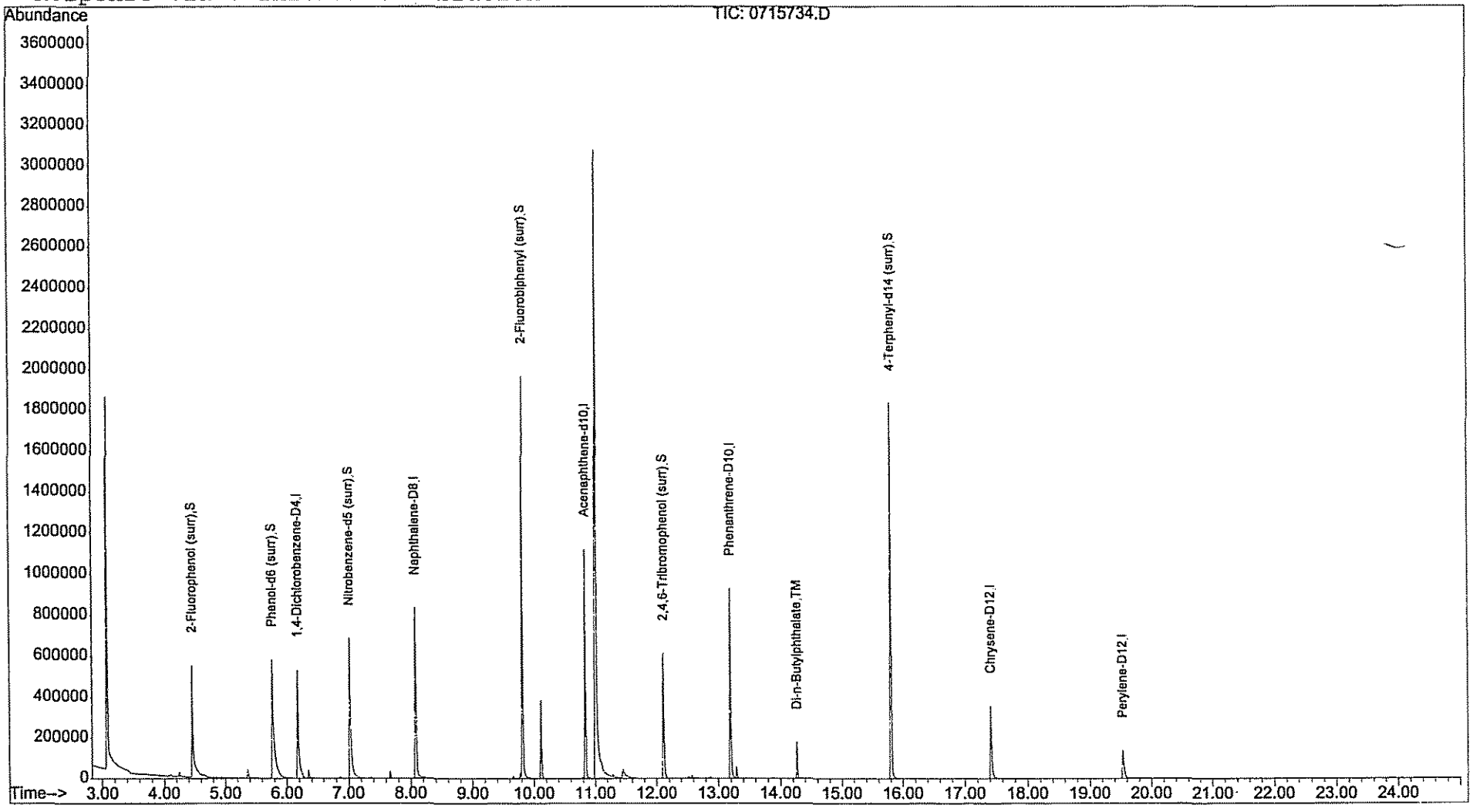
mc 07-18-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.18	152	168113	4.00	ug/mL	-0.07
18) Naphthalene-D8	8.08	136	678423	4.00	ug/mL	-0.08
33) Acenaphthene-d10	10.83	164	335923	4.00	ug/mL	-0.09
55) Phenanthrene-D10	13.19	188	509276	4.00	ug/mL	-0.09
85) Chrysene-D12	17.42	240	246063	4.00	ug/mL	-0.10
93) Perylene-D12	19.53	264	130959	4.00	ug/mL	-0.10
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	4.46	112	324564	8.39	ug/mL	-0.06
Spiked Amount 10.000			Recovery	=	83.90%	
17) Phenol-d6 (surr)	5.77	99	551476	9.69	ug/mL	-0.06
Spiked Amount 10.000			Recovery	=	96.90%	
32) Nitrobenzene-d5 (surr)	7.01	128	203505	9.37	ug/mL	-0.08
Spiked Amount 10.000			Recovery	=	93.70%	
53) 2-Fluorobiphenyl (surr)	9.81	172	872346	9.39	ug/mL	-0.08
Spiked Amount 10.000			Recovery	=	93.90%	
54) 2,4,6-Tribromophenol (surr	12.11	330	98990	9.58	ug/mL	-0.09
Spiked Amount 10.000			Recovery	=	95.80%	
92) 4-Terphenyl-d14 (surr)	15.80	244	840261	13.66	ug/mL	-0.09
Spiked Amount 10.000			Recovery	=	136.60%	
Target Compounds						Qvalue
65) Di-n-Butylphthalate	14.26	149	133127	0.89	ug/mL#	97

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

Data File : C:\MSDCHEM\1\DATA\7071505\0715734.D Vial: 34
Acq On : 16 Jul 2005 5:43 am Operator: MRC
Sample : G161-2070-3G x1 Inst : MSD7
Misc : 625 - BN - TICS - CLP [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 15:42 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7071805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\7071505\0715734.D Vial: 34
Acq On : 16 Jul 2005 5:43 am Operator: MRC
Sample : G161-2070-3G x1 Inst : MSD7
Misc : 625 - BN - TICS - CLP [3520-3238] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\DATA\7071505\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.
3.08	11.29 ug/mL	2366350	1,4-Dichlorobenzene-D4	6.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	94
2	Toluene	92	C7H8	000108-88-3	94
3	Toluene	92	C7H8	000108-88-3	91
4	Toluene	92	C7H8	000108-88-3	90
5	Toluene	92	C7H8	000108-88-3	90

****
Peak Number 2 Pyridine, 3-butyl-, 1-oxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	1.32 ug/mL	444324	Acenaphthene-d10	10.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 3-butyl-, 1-oxide	151	C9H13NO	031396-33-5	36
2	Butanamide, N-acetyl-N-(4-hydrox...	221	C12H15NO3	000000-00-0	36
3	Ethanone, 1-(1,4-dimethyl-3-cycl...	152	C10H16O	043219-68-7	25
4	2,3-Dehydro-1,8-cineole	152	C10H16O	092760-25-3	16
5	(4-Fluorophenyl)acetamide	153	C8H8FNO	000000-00-0	12

****
Peak Number 3 2-Propenoic acid, 3-(1H-ind... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	14.92 ug/mL	5020400	Acenaphthene-d10	10.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 3-(1H-indol-3-...	187	C11H9NO2	001204-06-4	10
2	p-Cyanophenyl trifluoromethyl ether	187	C8H4F3NO	000332-25-2	9
3	1H-Indole, 1,2,3,5,7-pentamethyl-	187	C13H17N	054789-37-6	9
4	Benzene, 1-isocyanato-3-(trifluo...	187	C8H4F3NO	000329-01-1	9
5	Benzene, 1-isocyanato-2-(trifluo...	187	C8H4F3NO	002285-12-3	9

Tentatively Identified Compound (LSC) summary

)perator ID: MRC Date Acquired: 16 Jul 2005 5:43 am
)ata File: C:\MSDCHEM\1\DATA\7071505\0715734.D
Iame: G161-2070-3G x1
Iisc: 625 - BN - TICS - CLP [3520-3238]
Iethod: C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
:itle: 5 POINT INITIAL CALIBRATION FOR 8270
.ibrary Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
:oluene	3.08	11.3	ug/mL	2366350	1	6.18	838569	4.0
?yridine, 3-butyl...	10.12	1.3	ug/mL	444324	3	10.83	1346290	4.0
?-Propenoic acid,...	11.01	14.9	ug/mL	5020400	3	10.83	1346290	4.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071905\0719604.D Vial: 4
Acq On : 19 Jul 2005 12:31 pm Operator: MRC
Sample : G161-2070-3G x1 Inst : MSD6
Misc : 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 19 13:48 2005 Quant Results File: DXN.RES

Quant Method : C:\HPCHEM\1\DATA\6071905\DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 13 07:53:43 2005
Response via : Initial Calibration
DataAcq Meth : 8270DXN

MC 07-19-05

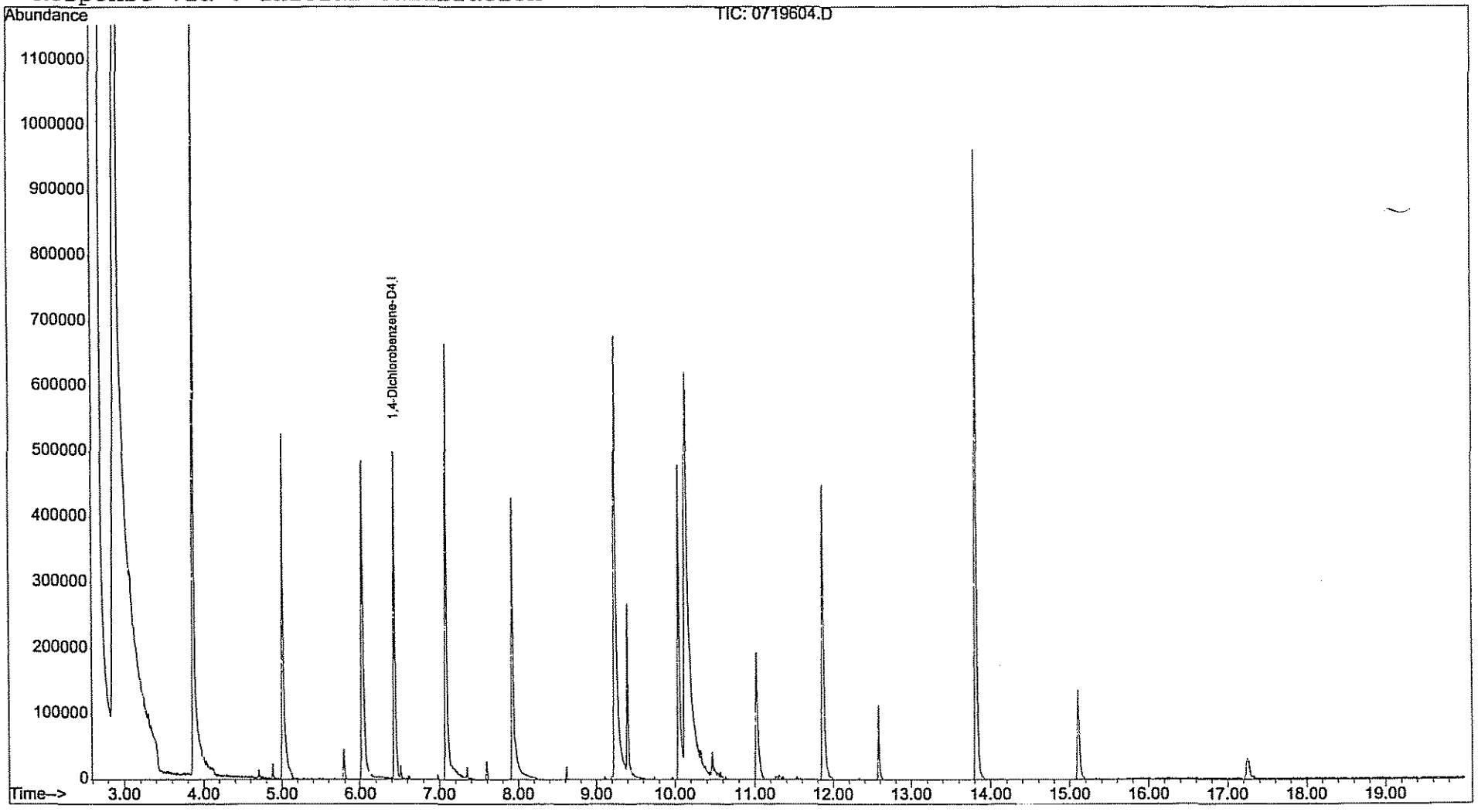
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.44	152	123034	4.00	ug/mL	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	0.00	88	0	N.D.		

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

Data File : C:\HPCHEM\1\DATA\6071905\0719604.D Vial: 4
Acq On : 19 Jul 2005 12:31 pm Operator: MRC
Sample : G161-2070-3G x1 Inst : MSD6
Misc : 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 19 13:48 2005 Quant Results File: DXN.RES

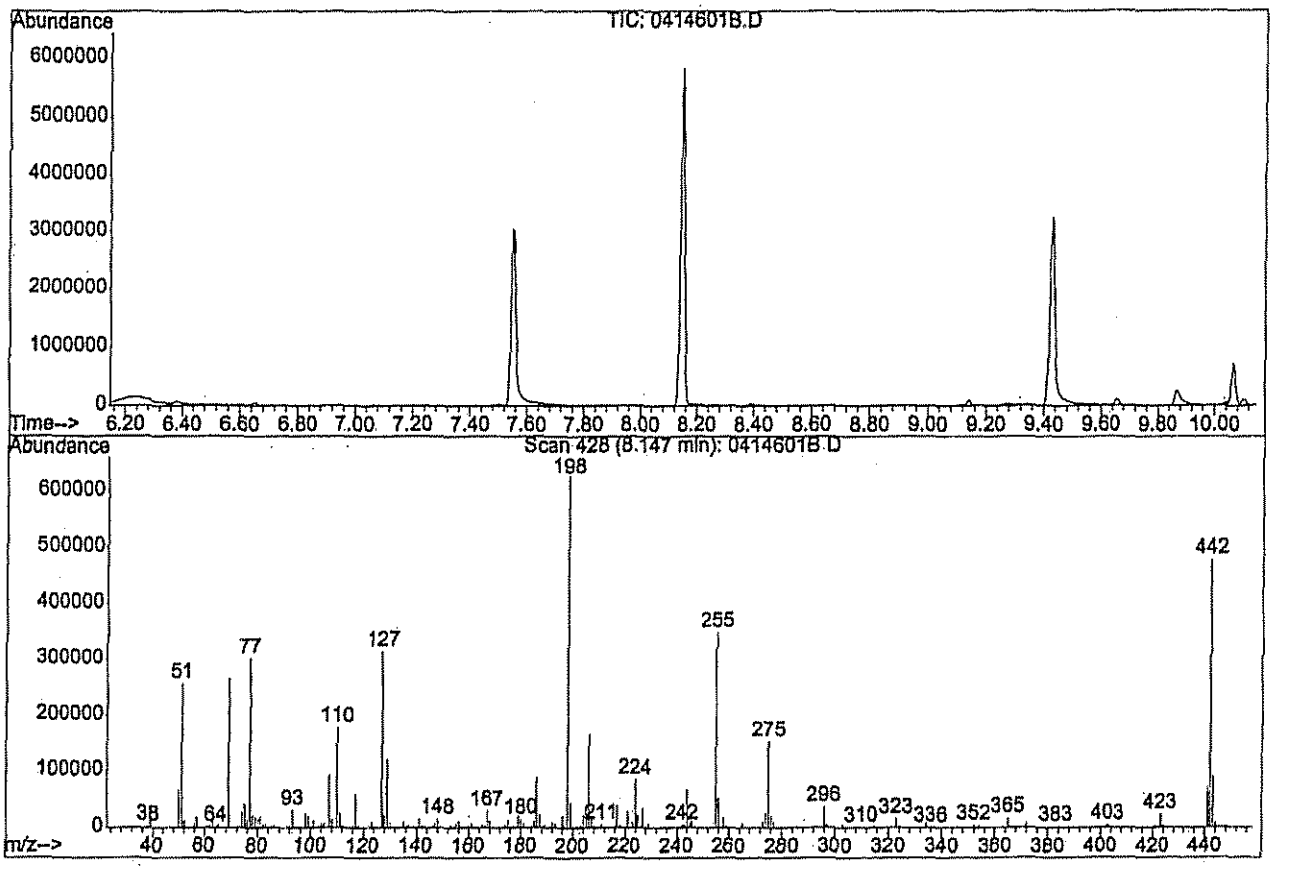
Method : C:\HPCHEM\1\DATA\6071905\DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 13 07:53:43 2005
Response via : Initial Calibration



625 Tuning

DFTPP

Data File : C:\HPCHEM\1\DATA\6041405B\0414601B.D Vial: 1
Acq On : 14 Apr 2005 3:45 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\DATA\6041405B\DFTPP.M (RTE Integrator)
Title :



Spectrum Information: Scan 428

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.9	256896	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	42.3	265920	PASS
70	69	0.00	2	0.4	1189	PASS
127	198	40	60	50.1	314752	PASS
197	198	0.00	1	0.7	4320	PASS
198	198	100	100	100.0	628608	PASS
199	198	5	9	7.0	44056	PASS
275	198	10	30	24.5	153920	PASS
365	198	1	100	2.6	16329	PASS
441	443	0.01	100	80.4	71920	PASS
442	198	40	100	76.0	477952	PASS
443	442	17	23	18.7	89472	PASS

0414601B.D DFTPP.M Thu Apr 14 16:10:45 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6041405B\0414601B.D Vial: 1
Acq On : 14 Apr 2005 3:45 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 16:10 2005 Quant Results File: DFTPP.RES

Quant Method : C:\HPCHEM\1\DATA\6041405B\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6021105\0211601.D
DataAcq Meth : DFTPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) Pentachlorophenol	7.55	TIC	4002592	2.50	100
2) Benzidine	9.43	TIC	4347694	4.79	100
3) DDT	10.46	TIC	7813319	14.62	100
4) DDD	10.07	TIC	714497m	139.03	
5) DDE	9.66	TIC	97663m	5.05	

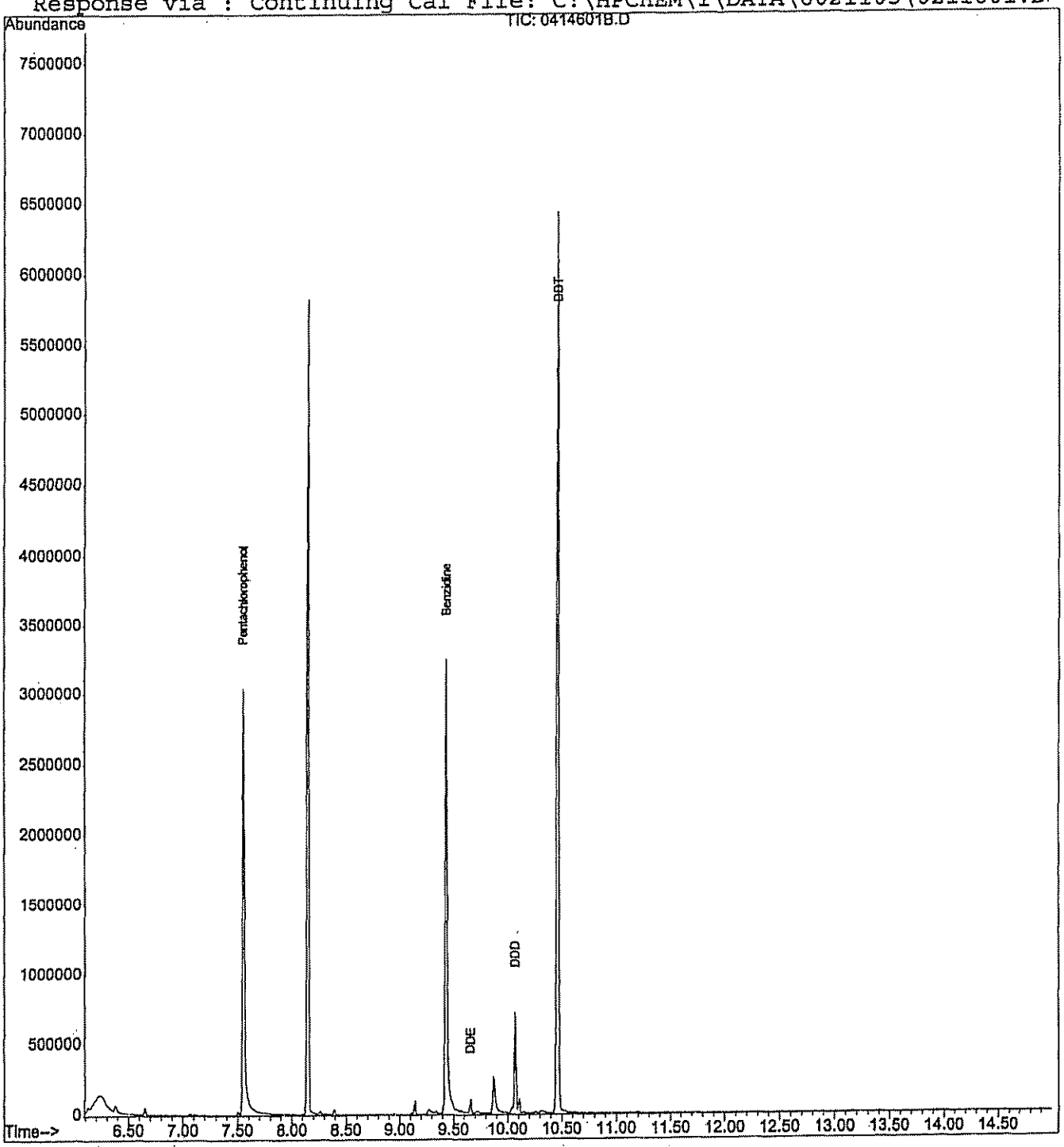
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6041405B\0414601B.D
Acq On : 14 Apr 2005 3:45 pm
Sample : DFTPP 50ng
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 14 16:10 2005

Vial: 1
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: DFTPP.RES

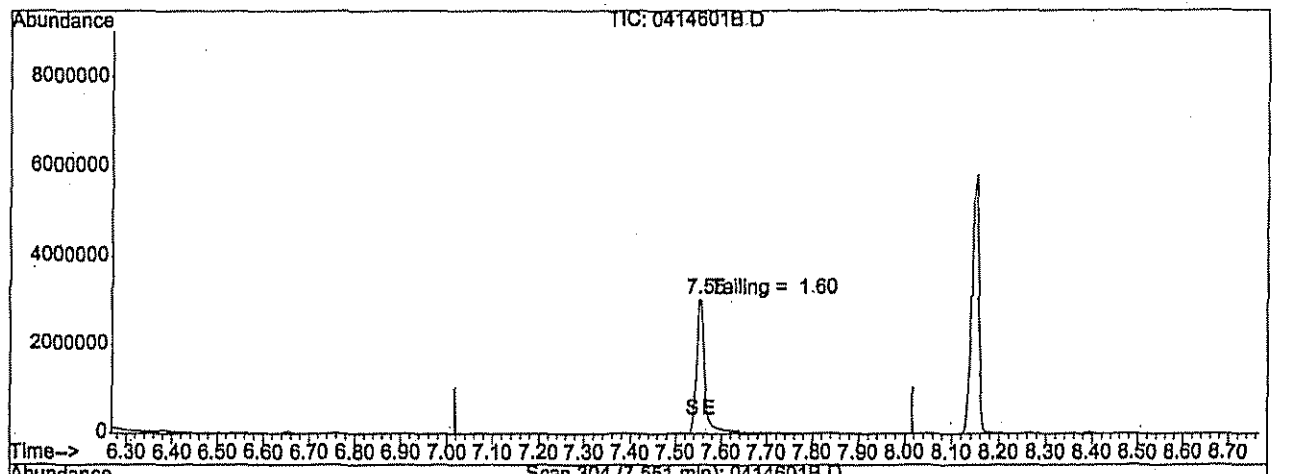
Method : C:\HPCHEM\1\DATA\6041405B\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6021105\0211601.D

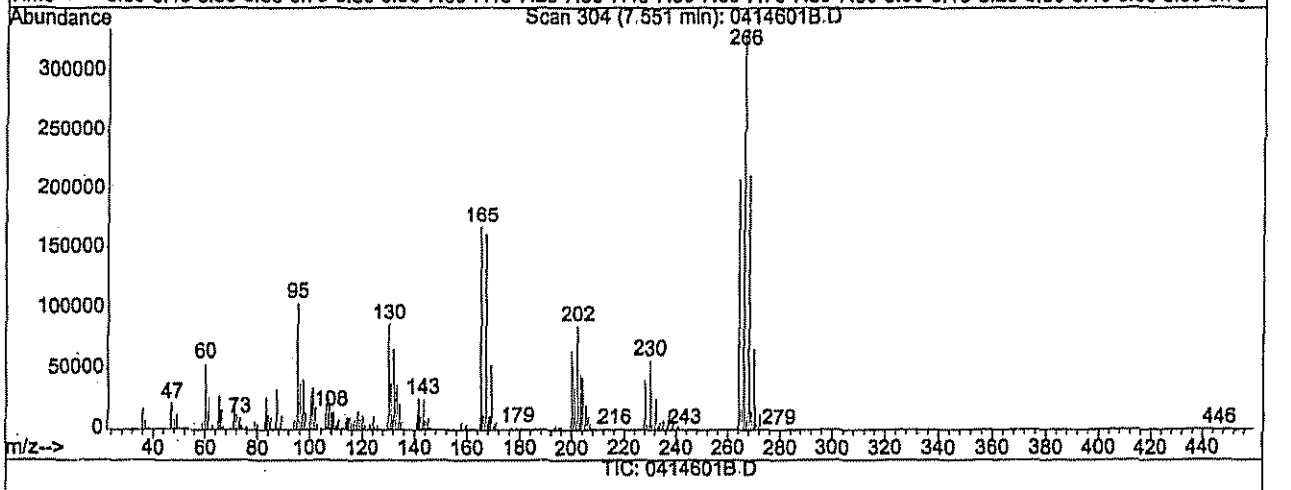


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6041405B\0414601B.D Vial: 1
Acq On : 14 Apr 2005 3:45 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 16:10 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6041405B\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Single Level Calibration





TIC: 0414601B.D

(1) Pentachlorophenol

7.55min 2.50

response 4002592

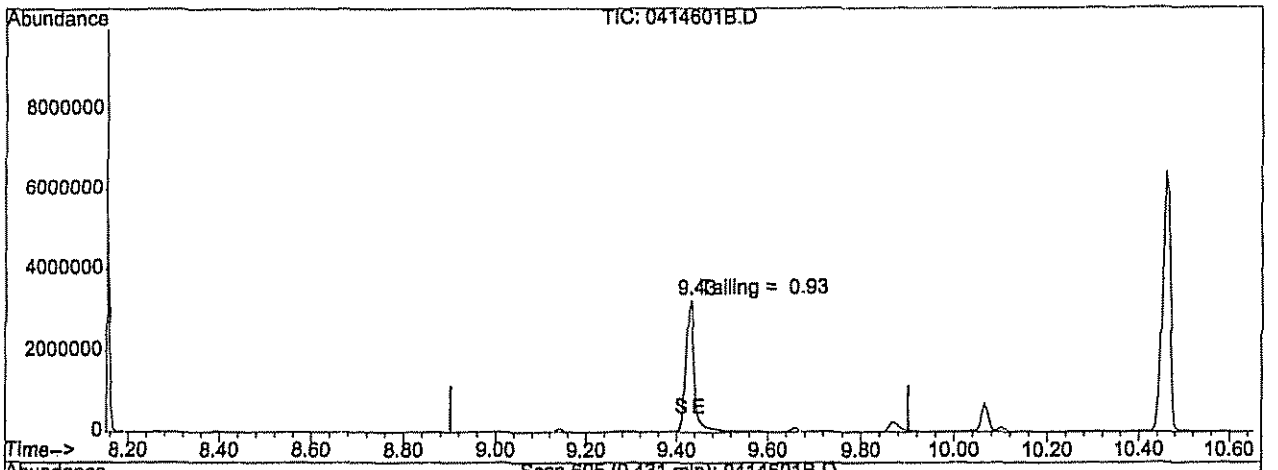
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

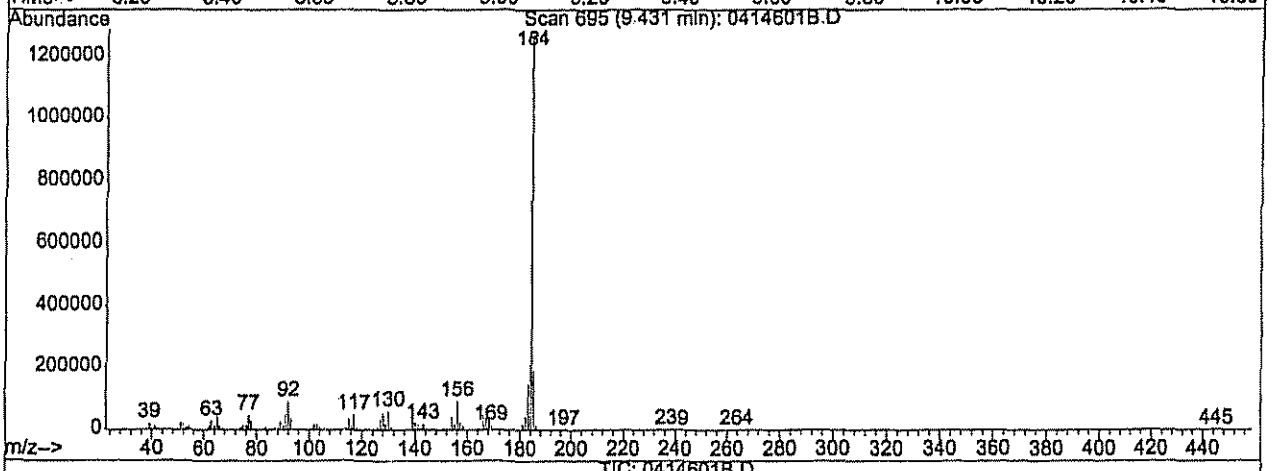
0414601B.D DFTPP.M Thu Apr 14 16:11:15 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6041405B\0414601B.D Vial: 1
Acq On : 14 Apr 2005 3:45 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 16:10 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6041405B\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Feb 11 16:46:48 2005
Response via : Single Level Calibration





TIC: 0414601B.D

(2) Benzidine

9.43min 4.79

response 4347694

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

0414601B.D DFTPP.M Thu Apr 14 16:11:22 2005 ENV

DDT Breakdown Report

DFTPP TUNE

		Area
GCMS	DDT	7813319
	DDD	714497
	DDE	97663
	% Breakdown =	**9.42%**

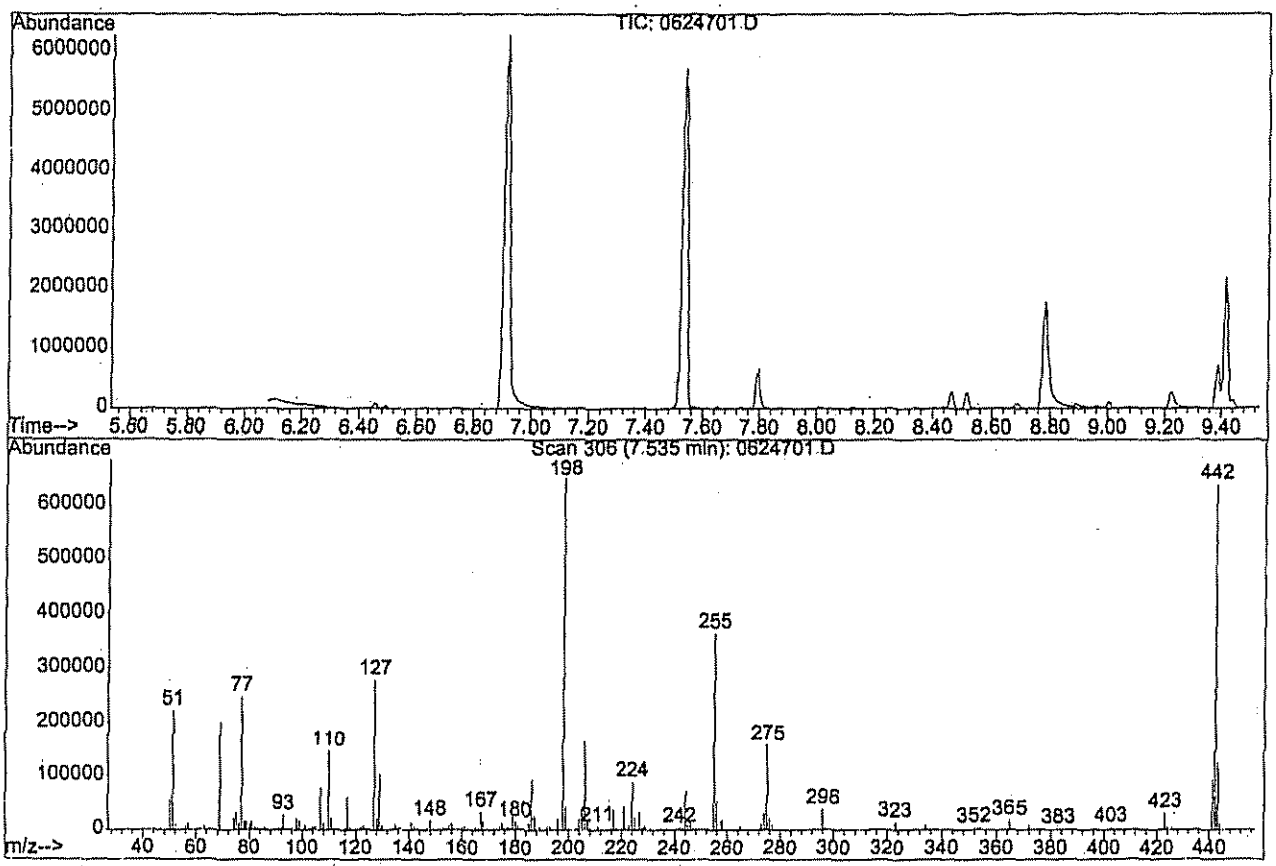
Date: 04/14/05

Instrument: MSD6

File: 0414601.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

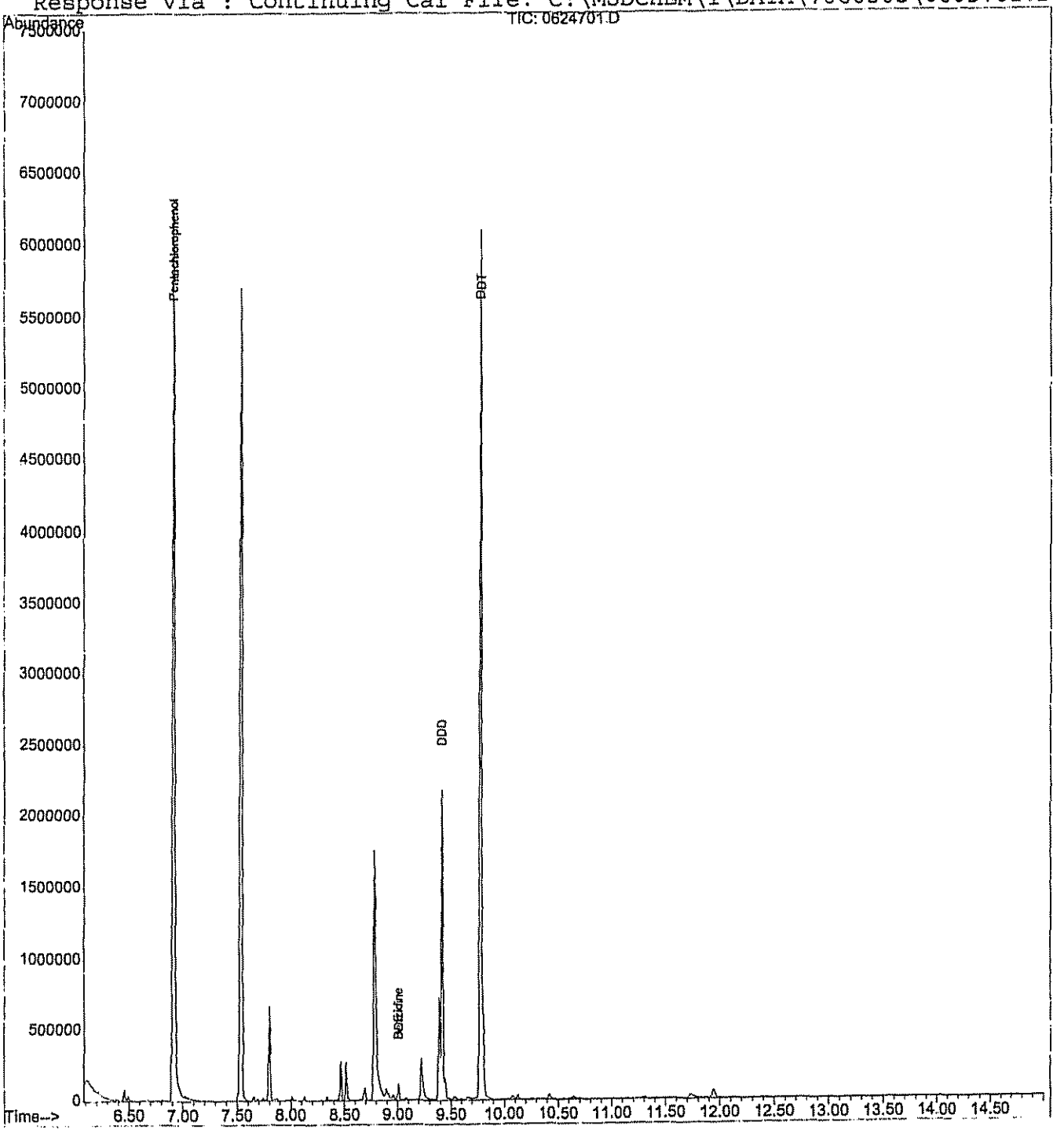
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624701.D
Acq On : 24 Jun 2005 12:04 pm
Sample : DFTPP 50ng
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 24 12:32 2005

Vial: 1
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: DFTPP.RES

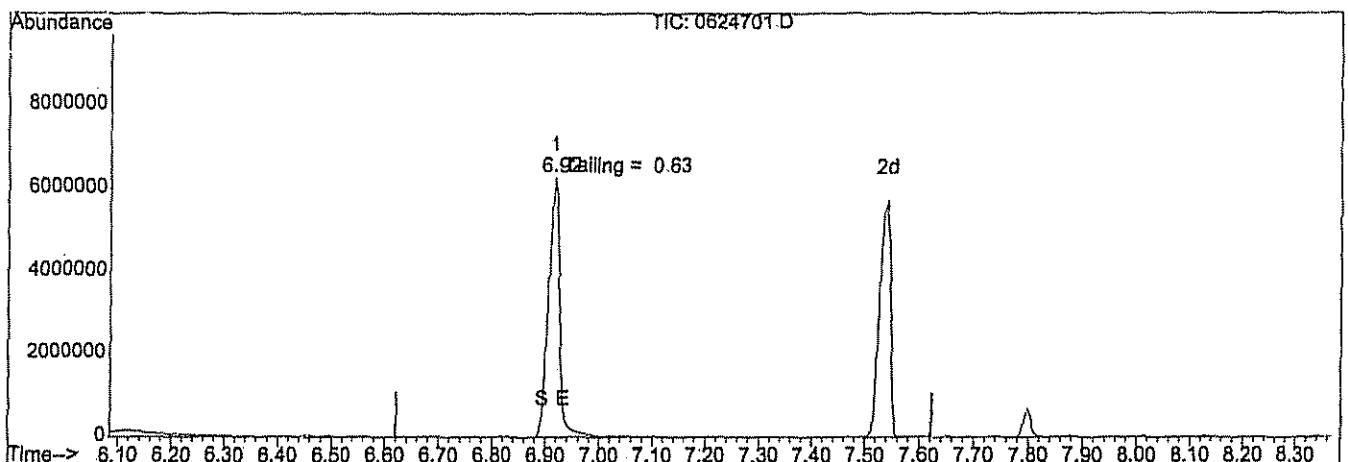
Method : C:\MSDCHEM\1\DATA\7062405\DFTPP.M (RTE Integrator)
Title :
Last Update : Fri Jun 03 09:12:12 2005
Response via : Continuing Cal File: C:\MSDCHEM\1\DATA\7060305\0603701.D

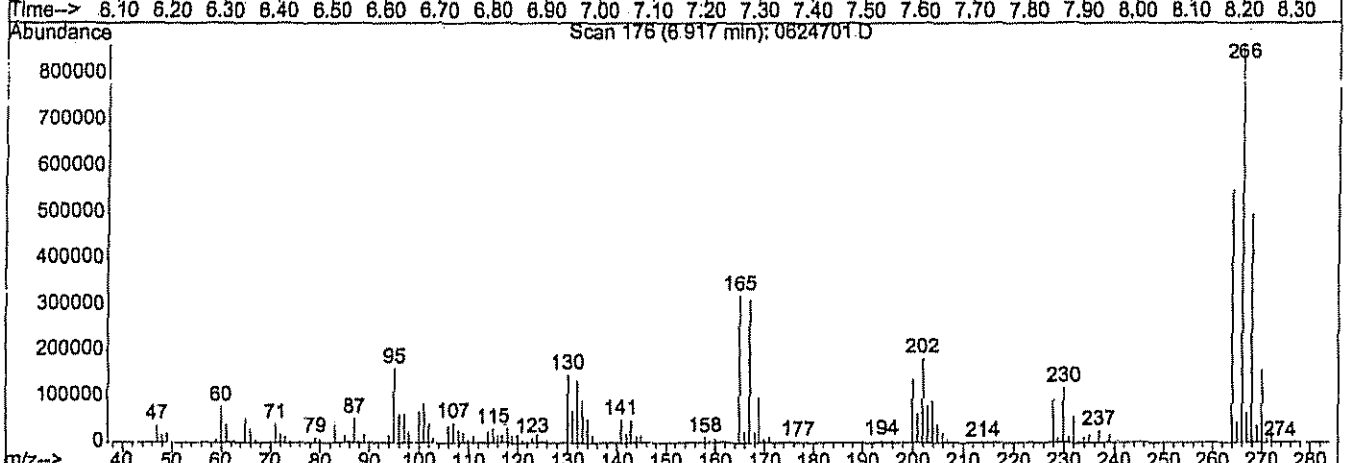


Quantitation Report (Qedit)

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

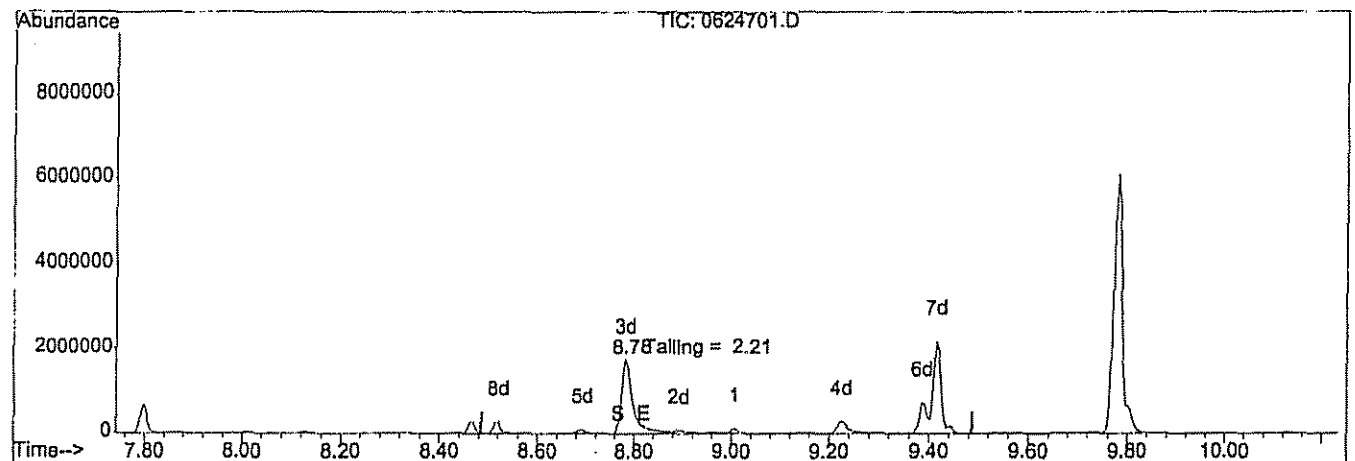
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

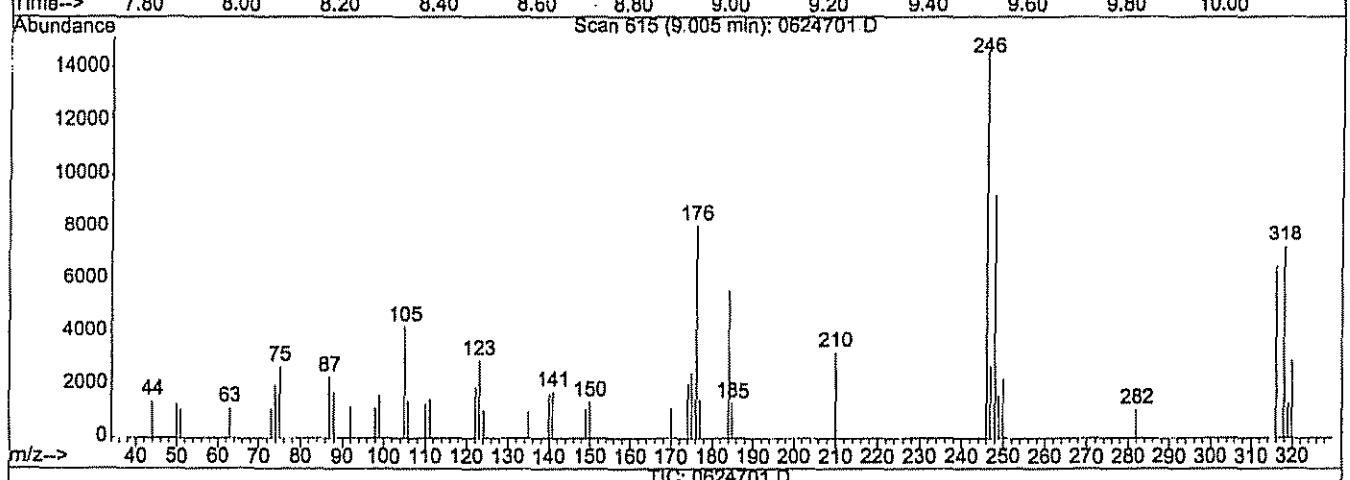
0624701.D DFTPP.M Fri Jun 24 12:33:22 2005 ENV

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%**

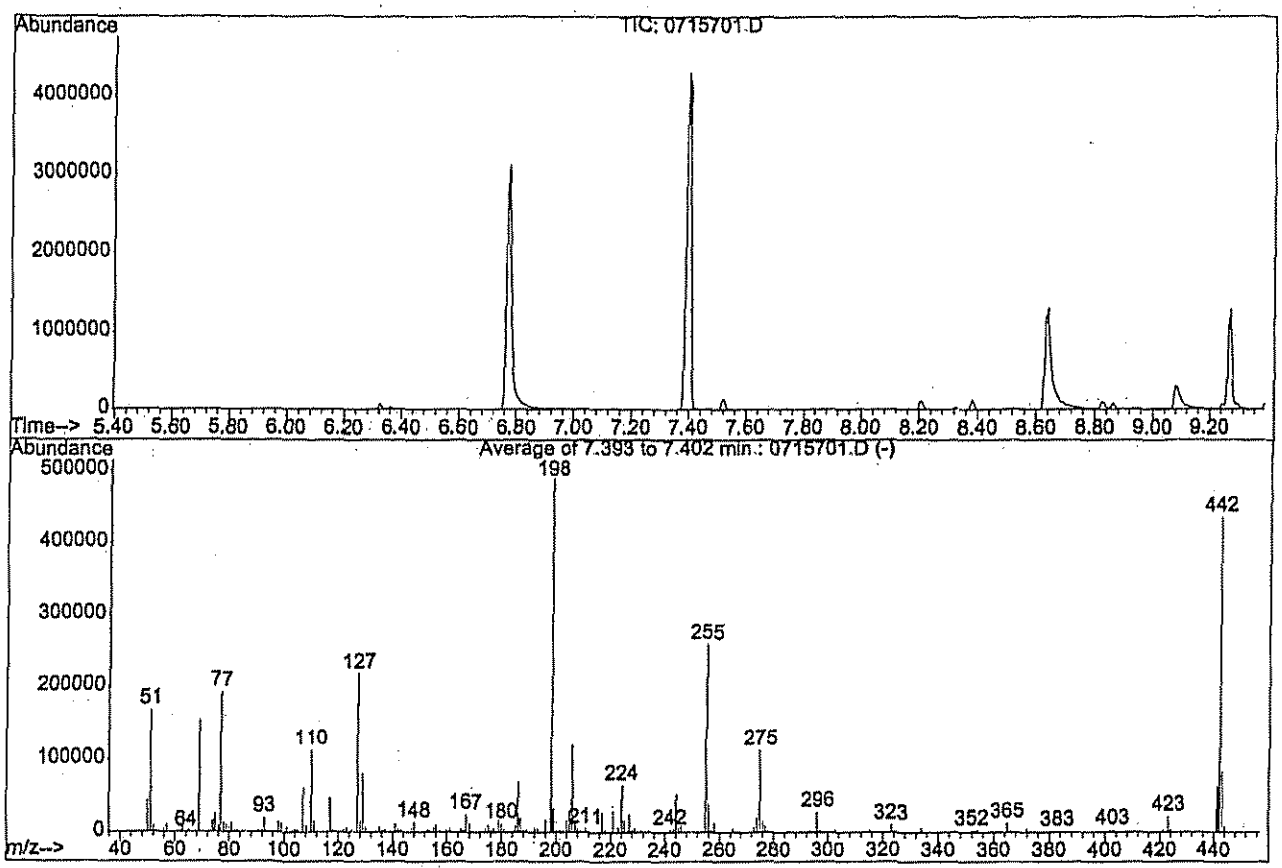
Date: 06/24/05

Instrument: MSD7

File: 0624701.d

DFTPP

Data File : C:\MSDCHEM\1\DATA\7071505\0715701.D Vial: 1
Acq On : 15 Jul 2005 10:57 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\DATA\7071505\DFTPP.M (RTE Integrator)
Title :



AutoFind: Scans 276, 277, 278; Background Corrected with Scan 269

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.2	167616	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	31.7	155178	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	44.6	218176	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	489578	PASS
199	198	5	9	6.7	32922	PASS
275	198	10	30	23.1	113213	PASS
365	198	1	100	2.6	12814	PASS
441	443	0.01	100	74.6	62632	PASS
442	198	40	100	89.0	435669	PASS
443	442	17	23	19.3	83938	PASS

0715701.D DFTPP.M Fri Jul 15 11:12:08 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715701.D Vial: 1
Acq On : 15 Jul 2005 10:57 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 11:47:11 2005 Quant Results File: DFTPP.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\DFTPP.M (RTE Integrator)
Title :
Last Update : Thu Jul 14 10:47:23 2005
Response via : Continuing Cal File: C:\MSDCHEM\1\DATA\7071405\0714701.D
DataAcq Meth : DFTPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	6.77	TIC	4022815	10.38	100
2) Benzidine	8.64	TIC	2184782	5.14	100
3) DDT	9.63	TIC	5199571	10.21	100
4) DDD	9.27	TIC	1146824m	30.76	
5) DDE	8.86	TIC	55236m	13.61	

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

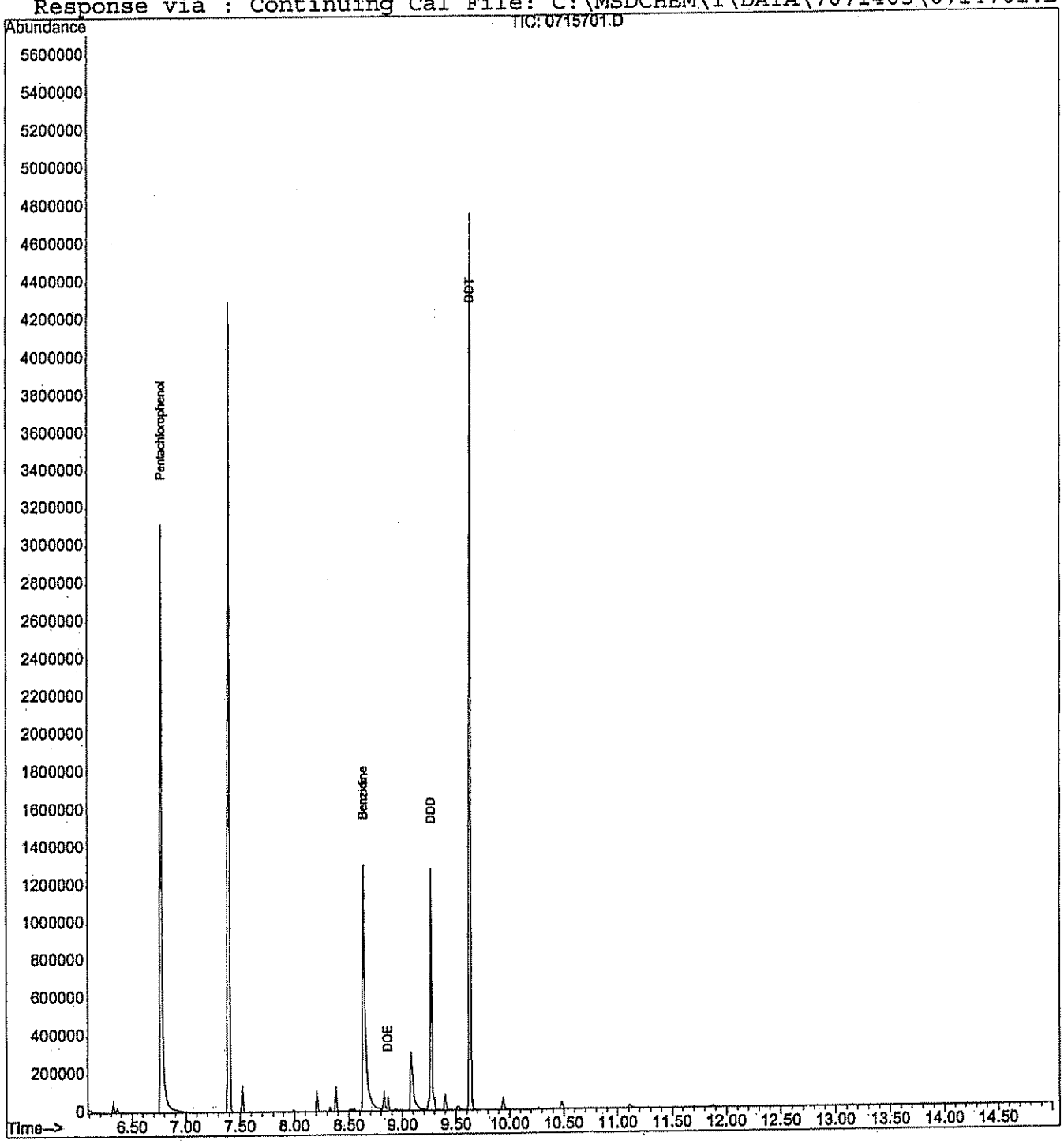
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715701.D
Acq On : 15 Jul 2005 10:57 am
Sample : DFTPP 50ng
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 15 11:47 2005

Vial: 1
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: DFTPP.RES

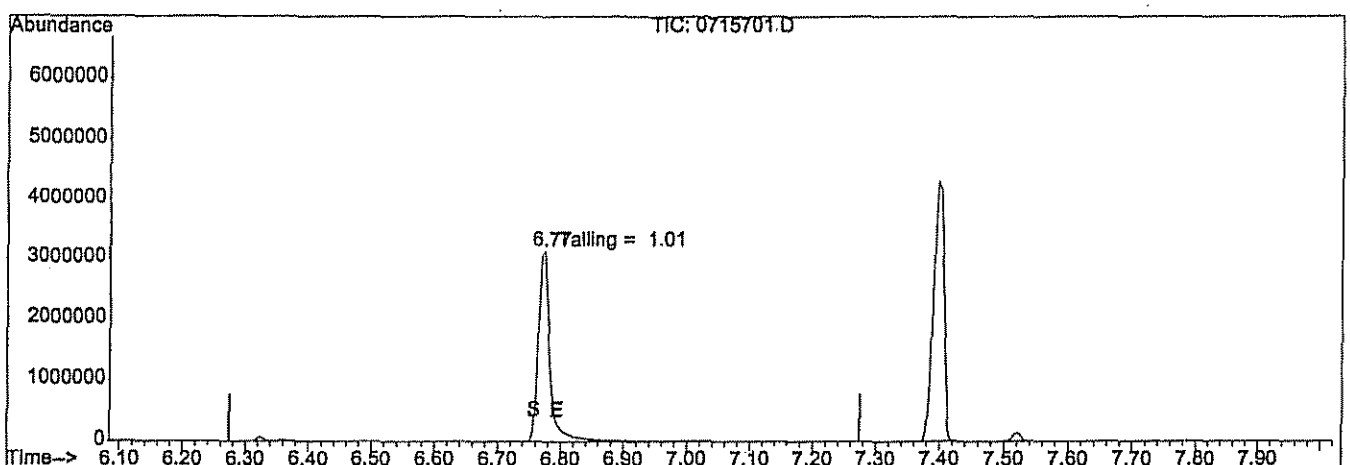
Method : C:\MSDCHEM\1\DATA\7071505\DFTPP.M (RTE Integrator)
Title :
Last Update : Thu Jul 14 10:47:23 2005
Response via : Continuing Cal File: C:\MSDCHEM\1\DATA\7071405\0714701.D

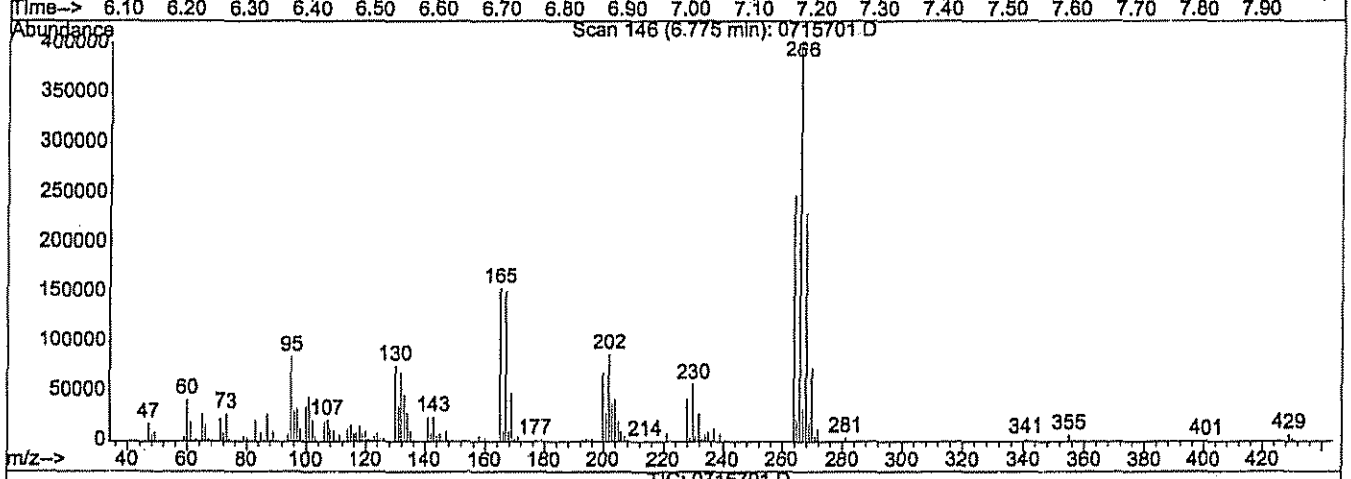


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071505\0715701.D Vial: 1
Acq On : 15 Jul 2005 10:57 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 11:47 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071505\DFTPP.M (RTE Integrator)
Title :
Last Update : Thu Jul 14 10:47:23 2005
Response via : Single Level Calibration





TIC: 0715701.D

(1) Pentachlorophenol

6.77min 10.38

response 4022815

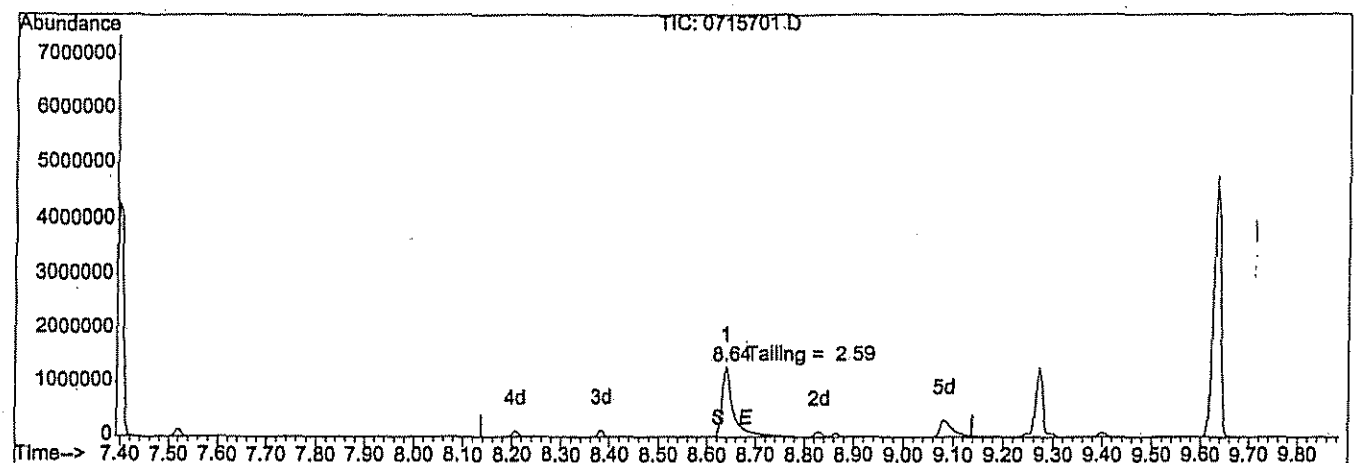
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

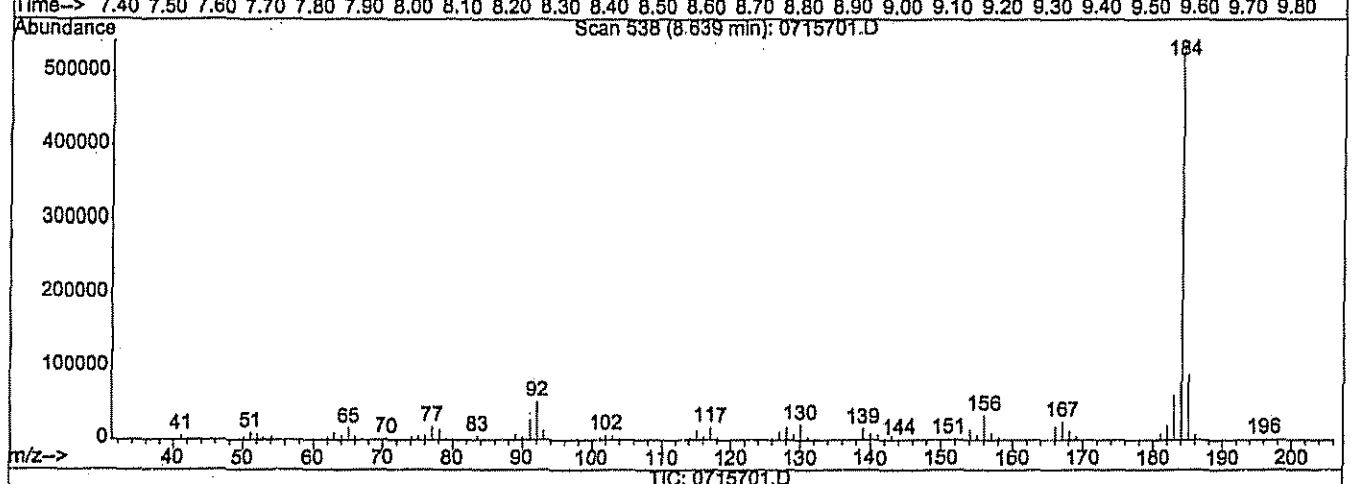
0715701.D DFTPP.M Fri Jul 15 11:48:01 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071505\0715701.D Vial: 1
Acq On : 15 Jul 2005 10:57 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 11:47 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071505\DFTPP.M (RTE Integrator)
Title :
Last Update : Thu Jul 14 10:47:23 2005
Response via : Single Level Calibration





TIC: 0715701.D

(2) Benzidine

8.64min 5.14

response 2184782

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

0715701.D DFTPP.M Fri Jul 15 11:48:09 2005 ENV

DDT Breakdown Report

DFTPP TUNE

		Area
GCMS	DDT	5199571
	DDD	1146824
	DDE	55236
	% Breakdown =	**18.78%**

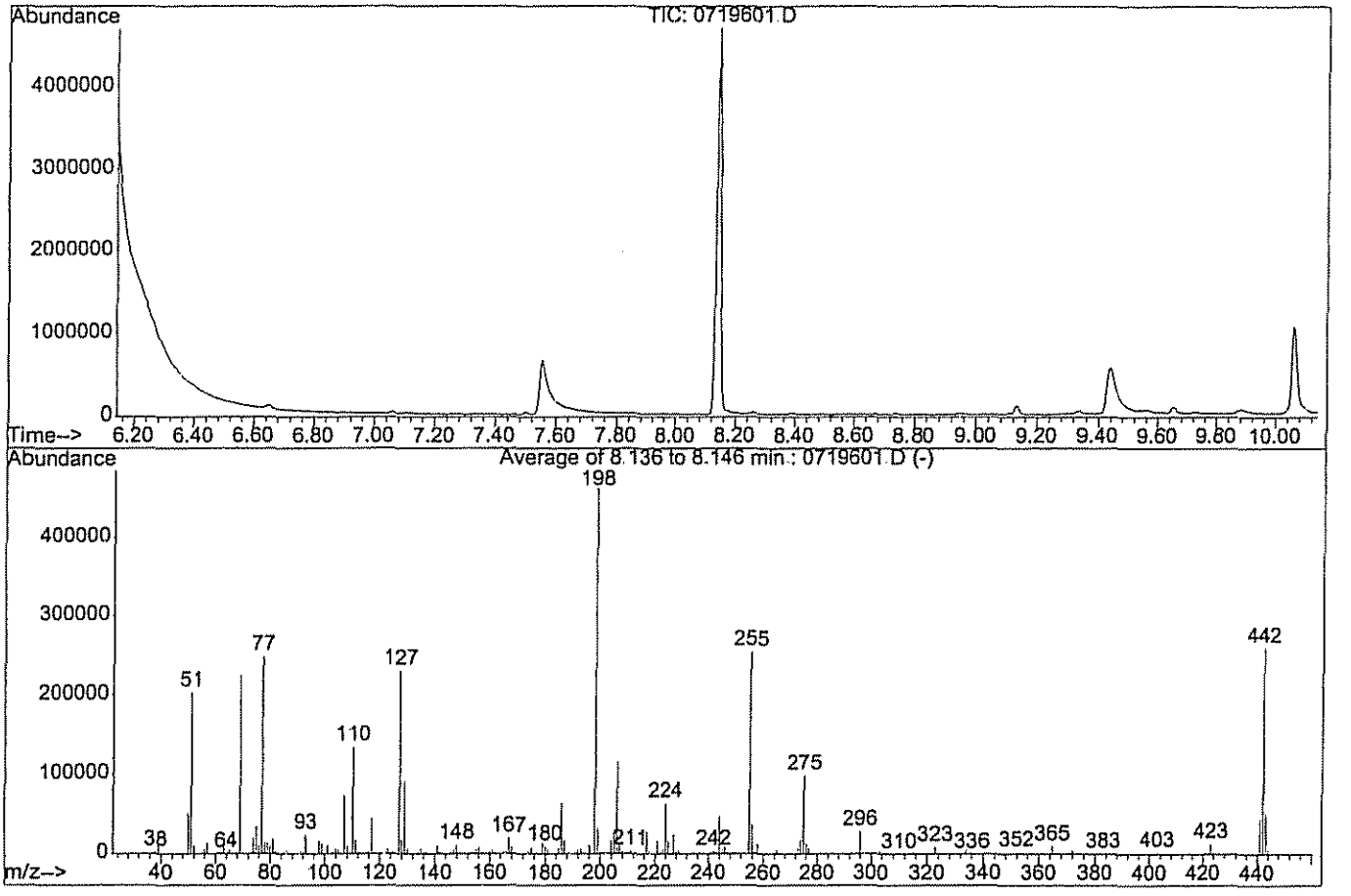
Date: 07/15/05

Instrument: MSD7

File: 0715701.d

DFTPP

Data File : C:\HPCHEM\1\DATA\6071905\0719601.D Vial: 1
Acq On : 19 Jul 2005 11:13 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\DATA\6071905\DFTPP.M (RTE Integrator)
Title :



AutoFind: Scans 426, 427, 428; 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	43.9	203227	PASS
68	69	0.00	2	1.0	2272	PASS
69	198	0.00	100	48.8	225838	PASS
70	69	0.00	2	0.5	1113	PASS
127	198	40	60	49.9	231189	PASS
197	198	0.00	1	0.2	719	PASS
198	198	100	100	100.0	462955	PASS
199	198	5	9	6.9	32101	PASS
275	198	10	30	21.3	98469	PASS
365	198	1	100	2.2	10226	PASS
441	443	0.01	100	88.6	44184	PASS
442	198	40	100	56.2	260203	PASS
443	442	17	23	19.2	49883	PASS

0719601.D DFTPP.M Tue Jul 19 11:28:56 2005 ENV

625 Calibration Raw Data

Response Factor Report MSD6

Method : C:\HPCHEM\1\DATA\6041405B\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Apr 15 07:26:58 2005
Response via : Initial Calibration

Calibration Files
16 =0414608B.D 12 =0414607B.D 8 =0414606B.D
4 =0414605B.D 2 =0414604B.D 1 =0414603B.D

		Compound	16	12	8	4	2	1	Avg	%RSD
1)	I	1,4-Dichlorobenzene-D	----------	----------	----------	ISTD	----------	----------	----------	
2)		1,4-Dioxane	0.484	0.487	0.480	0.469	0.398	0.305	0.411	23.24
3)	I	Naphthalene-D8	----------	----------	----------	ISTD	----------	----------	----------	
4)	S	Nitrobenzene-d5 (su	0.134	0.145	0.143	0.129	0.126	0.083	0.127	17.84
5)	I	Acenaphthene-d10	----------	----------	----------	ISTD	----------	----------	----------	
6)	S	2-Fluorobiphenyl (s	1.245	1.309	1.318	1.367	1.326	1.342	1.314	2.93
7)	I	Chrysene-D12	----------	----------	----------	ISTD	----------	----------	----------	
8)	S	4-Terphenyl-d14 (su	1.200	1.245	1.235	1.304	1.250	1.208	1.238	2.77

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6041405B\0414602B.D
Acq On : 14 Apr 2005 4:07 pm
Sample : SVCAL0.5
Misc : 8270 - 1,4-Dioxane
MS Integration Params: LSCINT.P
Quant Time: Apr 14 16:50 2005

Vial: 2
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: 8270DXN.RES

Quant Method : C:\HPCHEM\1...\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Apr 14 16:50:16 2005
Response via : Initial Calibration
DataAcq Meth : 8270DXN

mwl 04-15-05

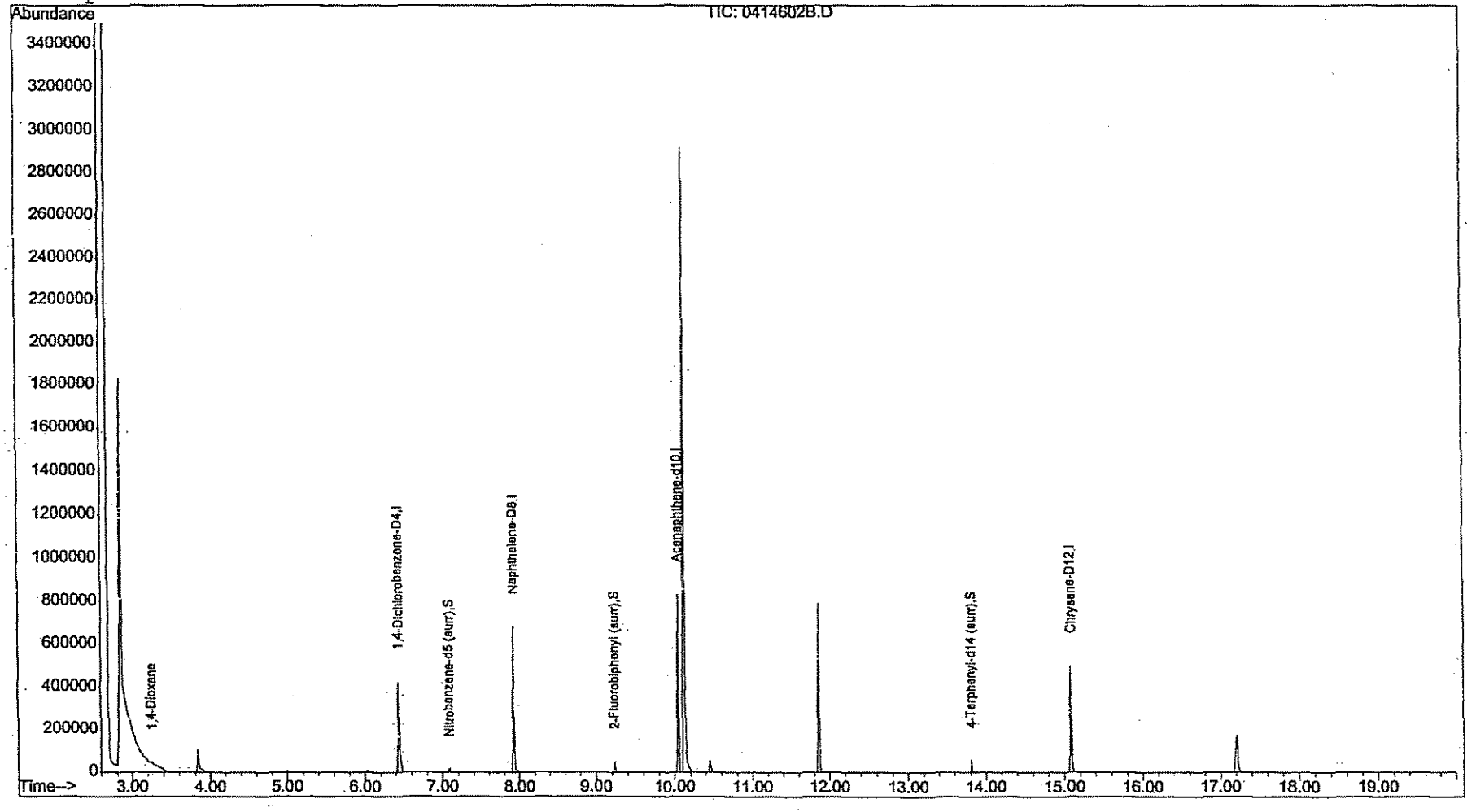
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.43	152	112473	4.00	ug/mL	0.00
3) Naphthalene-D8	7.92	136	435928	4.00	ug/mL	0.00
5) Acenaphthene-d10	10.05	164	238811	4.00	ug/mL	0.00
7) Chrysene-D12	15.08	240	261708	4.00	ug/mL	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5 (surr)	7.08	128	2868	0.50	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	5.00%	
6) 2-Fluorobiphenyl (surr)	9.23	172	38652	0.50	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	5.00%	
8) 4-Terphenyl-d14 (surr)	13.81	244	40100	0.50	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	5.00%	
Target Compounds						Qvalue
2) 1,4-Dioxane	3.25	88	3589	0.50	ug/mL	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6041405B\0414602B.D Vial: 2
Acq On : 14 Apr 2005 4:07 pm Operator: MRC
Sample : SVCAL0.5 Inst : MSD6
Misc : 8270 - 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 14 16:50 2005 Quant Results File: 8270DXN.RES

Method : C:\HPCHEM\1\DATA\6041405B\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Apr 15 07:26:58 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6041405B\0414603B.D Vial: 3
Acq On : 14 Apr 2005 5:07 pm Operator: MRC
Sample : SVCAL1 Inst : MSD6
Misc : 8270 - 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 15 7:23 2005 Quant Results File: 8270DXN.RES

Quant Method : C:\HPCHEM\1...\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Thu Apr 14 17:06:20 2005
Response via : Initial Calibration
DataAcq Meth : 8270DXN

MRC 04-15-05

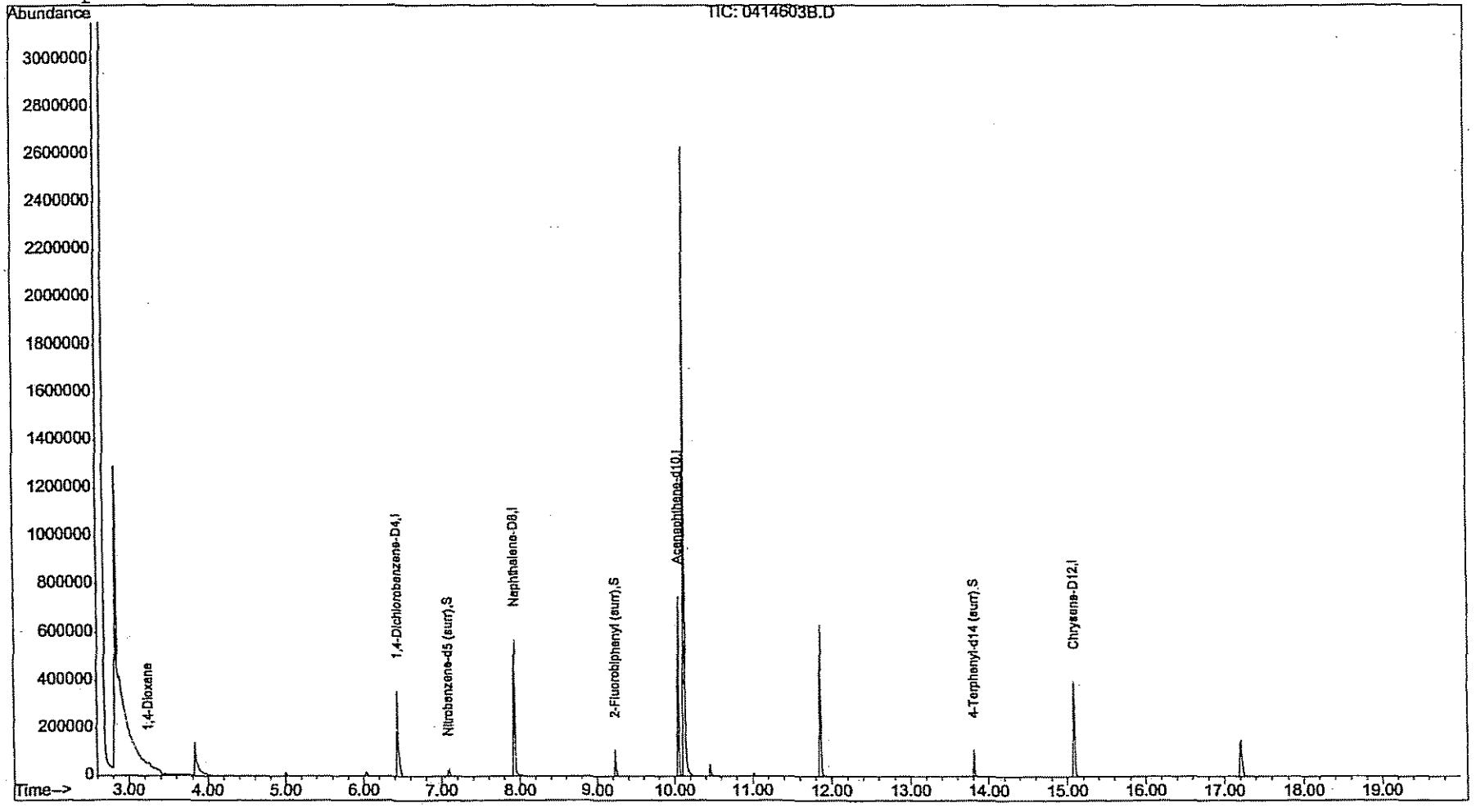
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.44	152	101531	4.00 ug/mL	0.00
3) Naphthalene-D8	7.93	136	390630	4.00 ug/mL	0.00
5) Acenaphthene-d10	10.05	164	207284	4.00 ug/mL	0.00
7) Chrysene-D12	15.09	240	227423	4.00 ug/mL	0.00
System Monitoring Compounds					
4) Nitrobenzene-d5 (surr)	7.09	128	8134	0.89 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 8.90%	
6) 2-Fluorobiphenyl (surr)	9.23	172	69542	1.06 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 10.60%	
8) 4-Terphenyl-d14 (surr)	13.81	244	68689	1.00 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 10.00%	
Target Compounds					Qvalue
2) 1,4-Dioxane	3.25	88	7751	0.79 ug/mL	95

(#) = qualifier out of range (m) = manual integration
0414603B.D 8270DXN.M Fri Apr 15 07:28:23 2005 ENV Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6041405B\0414603B.D Vial: 3
Acq On : 14 Apr 2005 5:07 pm Operator: MRC
Sample : SVCAL1 Inst : MSD6
Misc : 8270 - 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 15 7:23 2005 Quant Results File: 8270DXN.RES

Method : C:\HPCHEM\1\DATA\6041405B\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Apr 15 07:26:58 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\6041405B\0414604B.D Vial: 4
Acq On : 14 Apr 2005 5:35 pm Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : 8270 - 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 15 7:24 2005 Quant Results File: 8270DXN.RES

Quant Method : C:\HPCHEM\1...\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Apr 15 07:24:13 2005
Response via : Initial Calibration
DataAcq Meth : 8270DXN

MMC 04-15-05

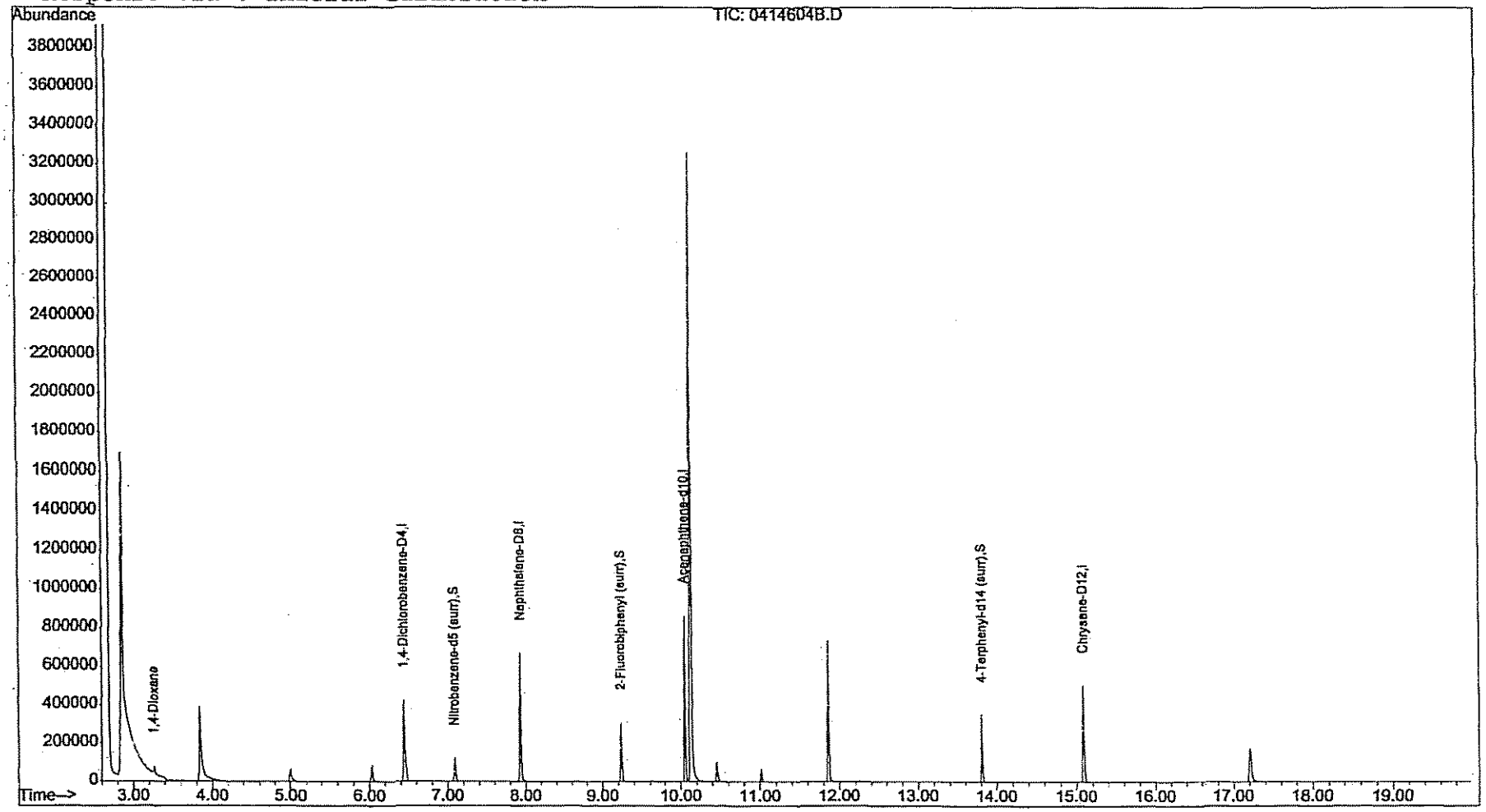
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.43	152	111581	4.00 ug/mL	0.00
3) Naphthalene-D8	7.93	136	430202	4.00 ug/mL	0.00
5) Acenaphthene-d10	10.05	164	238934	4.00 ug/mL	0.00
7) Chrysene-D12	15.08	240	263447	4.00 ug/mL	0.00
System Monitoring Compounds					
4) Nitrobenzene-d5 (surr)	7.08	128	27109	2.55 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 25.50%	
6) 2-Fluorobiphenyl (surr)	9.23	172	158398	2.04 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 20.40%	
8) 4-Terphenyl-d14 (surr)	13.81	244	164609	2.05 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 20.50%	
Target Compounds					Qvalue
2) 1,4-Dioxane	3.26	88	22219	2.22 ug/mL	90

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6041405B\0414604B.D Vial: 4
Acq On : 14 Apr 2005 5:35 pm Operator: MRC
Sample : SVCAL2 Inst : MSD6
Misc : 8270 - 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 15 7:24 2005 Quant Results File: 8270DXN.RES

Method : C:\HPCHEM\1\DATA\6041405B\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Apr 15 07:26:58 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\6041405B\0414605B.D Vial: 5
Acq On : 14 Apr 2005 6:05 pm Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : 8270 - 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 15 7:24 2005 Quant Results File: 8270DXN.RES

Quant Method : C:\HPCHEM\1...\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Apr 15 07:24:51 2005
Response via : Initial Calibration
DataAcq Meth : 8270DXN

mm 04-15-05

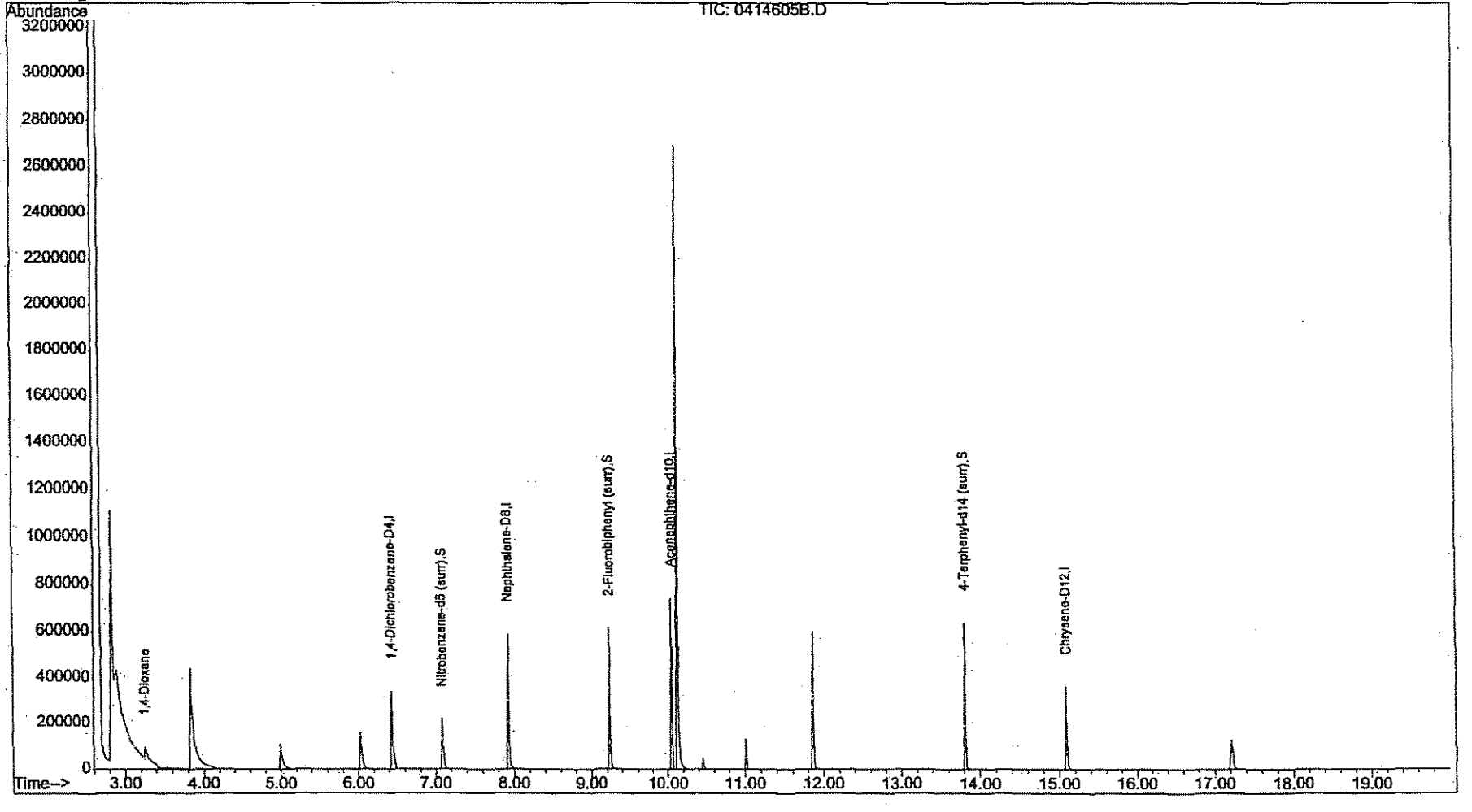
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.44	152	100517	4.00	ug/mL	0.00
3) Naphthalene-D8	7.93	136	381607	4.00	ug/mL	0.00
5) Acenaphthene-d10	10.05	164	203987	4.00	ug/mL	0.00
7) Chrysene-D12	15.08	240	199668	4.00	ug/mL	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5 (surr)	7.09	128	49119	5.20	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	52.00%	
6) 2-Fluorobiphenyl (surr)	9.23	172	278751	4.20	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	42.00%	
8) 4-Terphenyl-d14 (surr)	13.81	244	260449	4.27	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	42.70%	
Target Compounds						Qvalue
2) 1,4-Dioxane	3.25	88	47121	5.08	ug/mL	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6041405B\0414605B.D Vial: 5
Acq On : 14 Apr 2005 6:05 pm Operator: MRC
Sample : SVCAL4 Inst : MSD6
Misc : 8270 - 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 15 7:24 2005 Quant Results File: 8270DXN.RES

Method : C:\HPCHEM\1\DATA\6041405B\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Apr 15 07:26:58 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6041405B\0414606B.D Vial: 6
Acq On : 14 Apr 2005 6:34 pm Operator: MRC
Sample : SVCAL8 Inst : MSD6
Misc : 8270 - 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 15 7:25 2005 Quant Results File: 8270DXN.RES

Quant Method : C:\HPCHEM\1...\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Apr 15 07:25:03 2005
Response via : Initial Calibration
DataAcq Meth : 8270DXN

mm 04-15-05

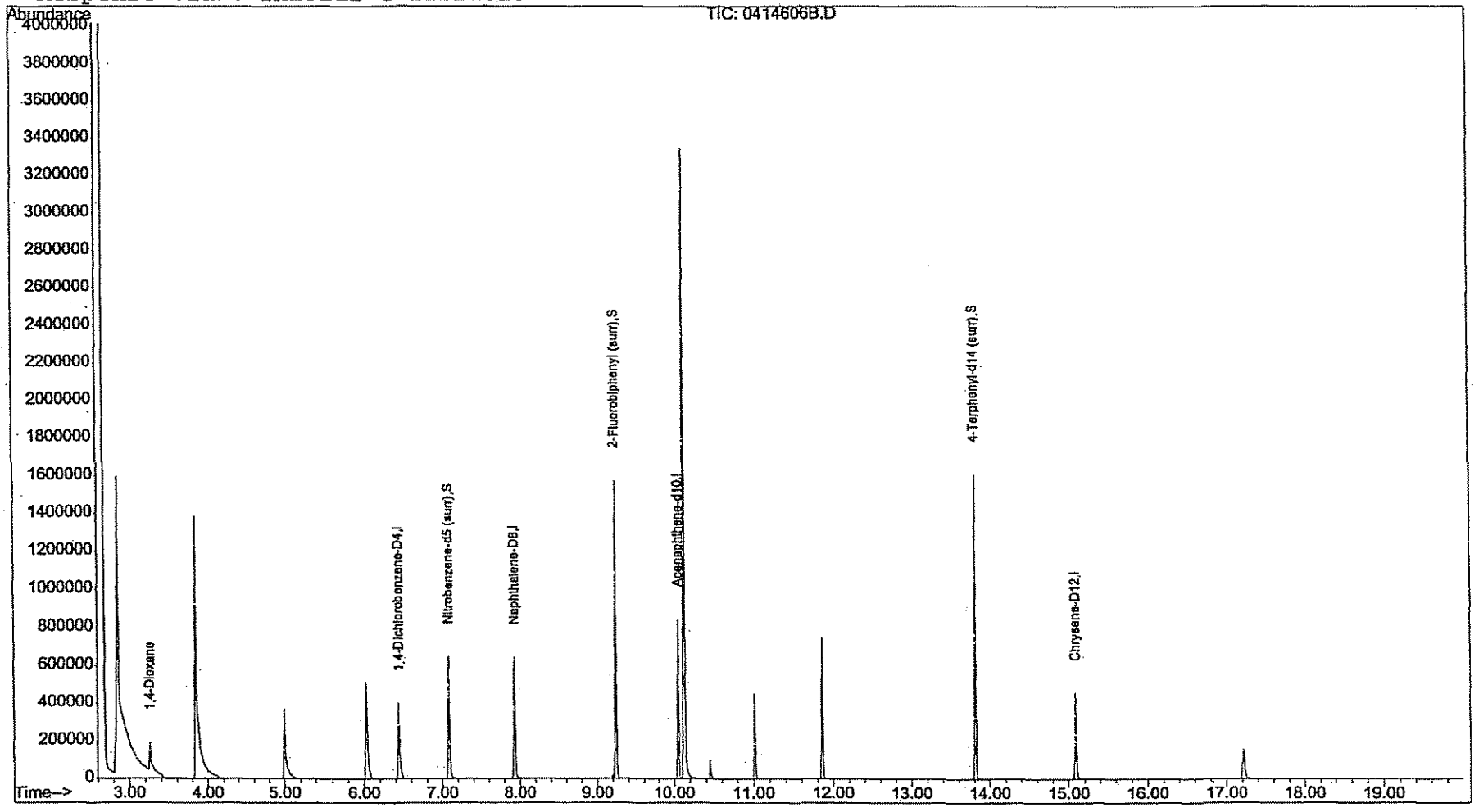
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.44	152	112120	4.00 ug/mL	0.00
3) Naphthalene-D8	7.93	136	429446	4.00 ug/mL	0.00
5) Acenaphthene-d10	10.05	164	234101	4.00 ug/mL	0.00
7) Chrysene-D12	15.08	240	254788	4.00 ug/mL	0.00
System Monitoring Compounds					
4) Nitrobenzene-d5 (surr)	7.08	128	122743	10.89 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 108.90%	
6) 2-Fluorobiphenyl (surr)	9.23	172	617064	8.02 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 80.20%	
8) 4-Terphenyl-d14 (surr)	13.81	244	629445	7.98 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 79.80%	
Target Compounds					Qvalue
2) 1,4-Dioxane	3.26	88	107724	9.87 ug/mL	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6041405B\0414606B.D Vial: 6
Acq On : 14 Apr 2005 6:34 pm Operator: MRC
Sample : SVCAL8 Inst : MSD6
Misc : 8270 - 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 15 7:25 2005 Quant Results File: 8270DXN.RES

Method : C:\HPCHEM\1\DATA\6041405B\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Apr 15 07:26:58 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6041405B\0414607B.D Vial: 7
Acq On : 14 Apr 2005 7:04 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : 8270 - 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 15 7:25 2005 Quant Results File: 8270DXN.RES

Quant Method : C:\HPCHEM\1...\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Apr 15 07:25:29 2005
Response via : Initial Calibration
DataAcq Meth : 8270DXN

mrc 04-15-05

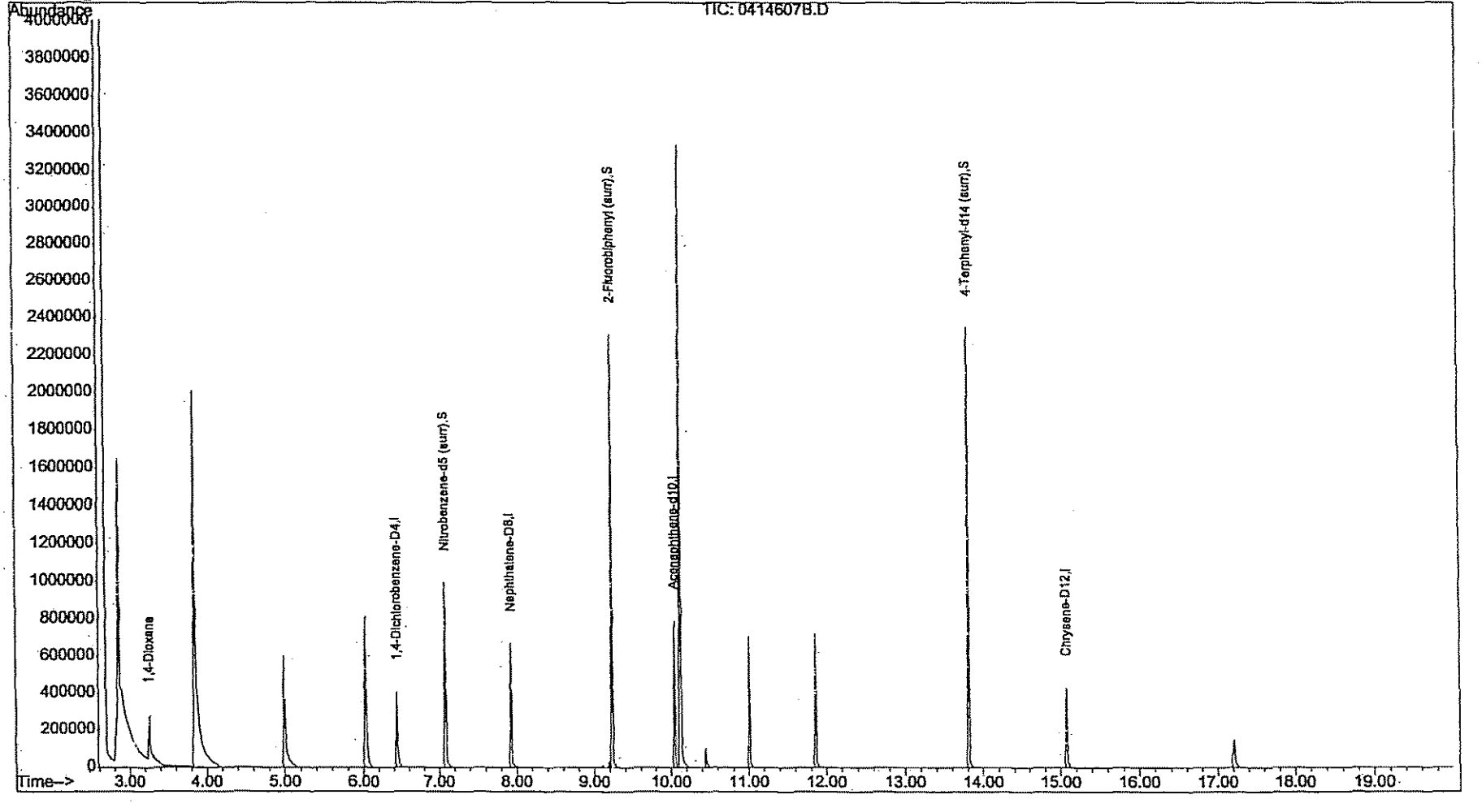
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.44	152	107978	4.00	ug/mL	0.00
3) Naphthalene-D8	7.93	136	421736	4.00	ug/mL	0.00
5) Acenaphthene-d10	10.05	164	227677	4.00	ug/mL	0.00
7) Chrysene-D12	15.08	240	242438	4.00	ug/mL	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5 (surr)	7.09	128	183978	15.68	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	156.80%	
6) 2-Fluorobiphenyl (surr)	9.23	172	893788	11.94	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	119.40%	
8) 4-Terphenyl-d14 (surr)	13.81	244	905611	12.08	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	120.80%	
Target Compounds						Qvalue
2) 1,4-Dioxane	3.26	88	157639	14.44	ug/mL	90

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6041405B\0414607B.D Vial: 7
Acq On : 14 Apr 2005 7:04 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : 8270 - 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 15 7:25 2005 Quant Results File: 8270DXN.RES

Method : C:\HPCHEM\1\DATA\6041405B\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Apr 15 07:26:58 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6041405B\0414608B.D Vial: 8
Acq On : 14 Apr 2005 4:38 pm Operator: MRC
Sample : SVCAL16 Inst : MSD6
Misc : 8270 - 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 15 7:26 2005 Quant Results File: 8270DXN.RES

Quant Method : C:\HPCHEM\1...\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Apr 15 07:26:13 2005
Response via : Initial Calibration
DataAcq Meth : 8270DXN

mwc 04-15-05

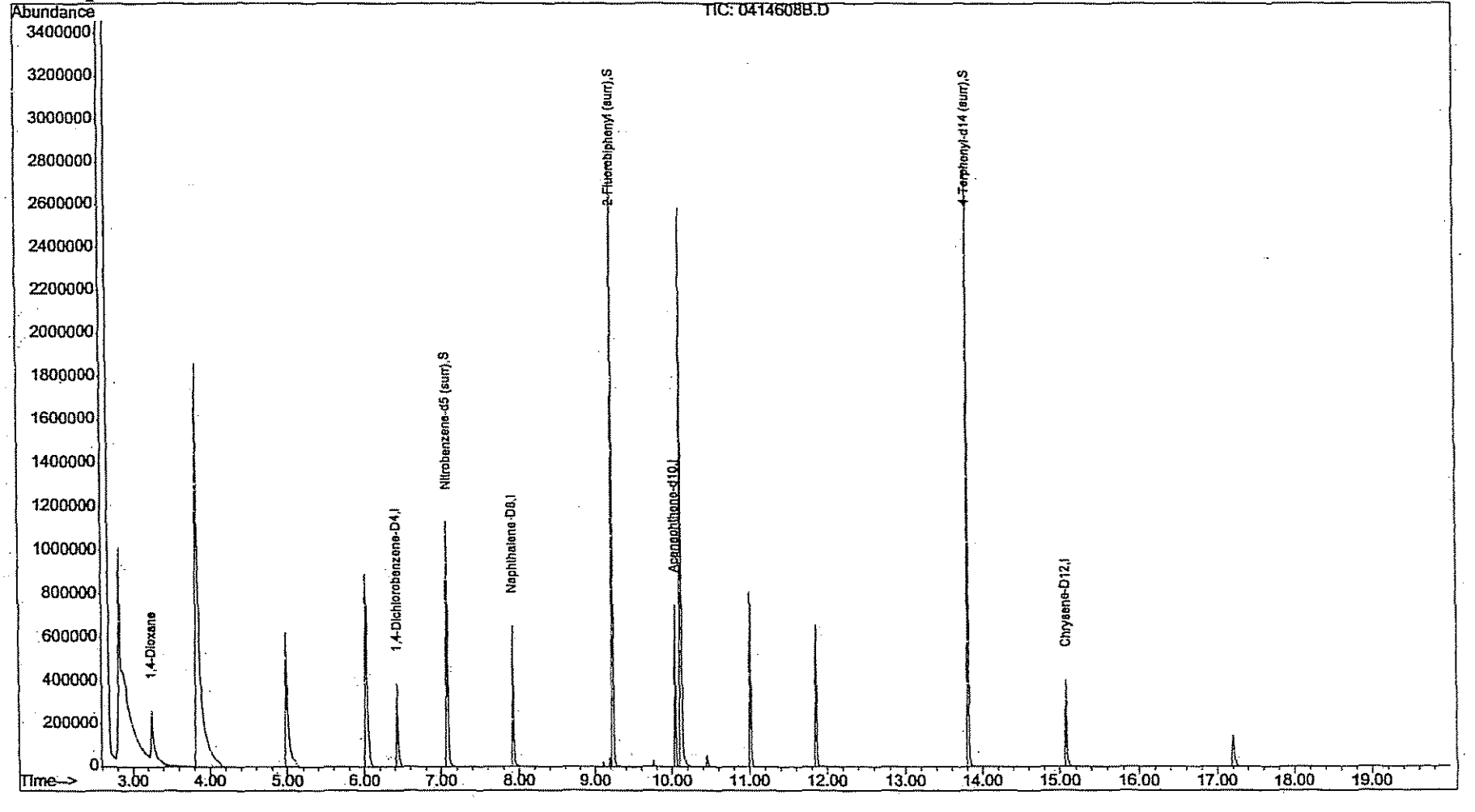
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.44	152	104965	4.00	ug/mL	0.00
3) Naphthalene-D8	7.93	136	406087	4.00	ug/mL	0.00
5) Acenaphthene-d10	10.05	164	219414	4.00	ug/mL	0.00
7) Chrysene-D12	15.08	240	223702	4.00	ug/mL	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5 (surr)	7.08	128	217818	18.47	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	184.70%	
6) 2-Fluorobiphenyl (surr)	9.23	172	1092380	15.15	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	151.50%	
8) 4-Terphenyl-d14 (surr)	13.81	244	1073841	15.51	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	155.10%	
Target Compounds						Qvalue
2) 1,4-Dioxane	3.25	88	203260	18.61	ug/mL	96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6041405B\0414608B.D Vial: 8
Acq On : 14 Apr 2005 4:38 pm Operator: MRC
Sample : SVCAL16 Inst : MSD6
Misc : 8270 - 1,4-Dioxane Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Apr 15 7:26 2005 Quant Results File: 8270DXN.RES

Method : C:\HPCHEM\1\DATA\6041405B\8270DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Apr 15 07:26:58 2005
Response via : Initial Calibration



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	AvgRF	%RSD
Concentration (ppb)	48.0	24.0	12.0	8.0	6.0	4.0	2.0	1.0		
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

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

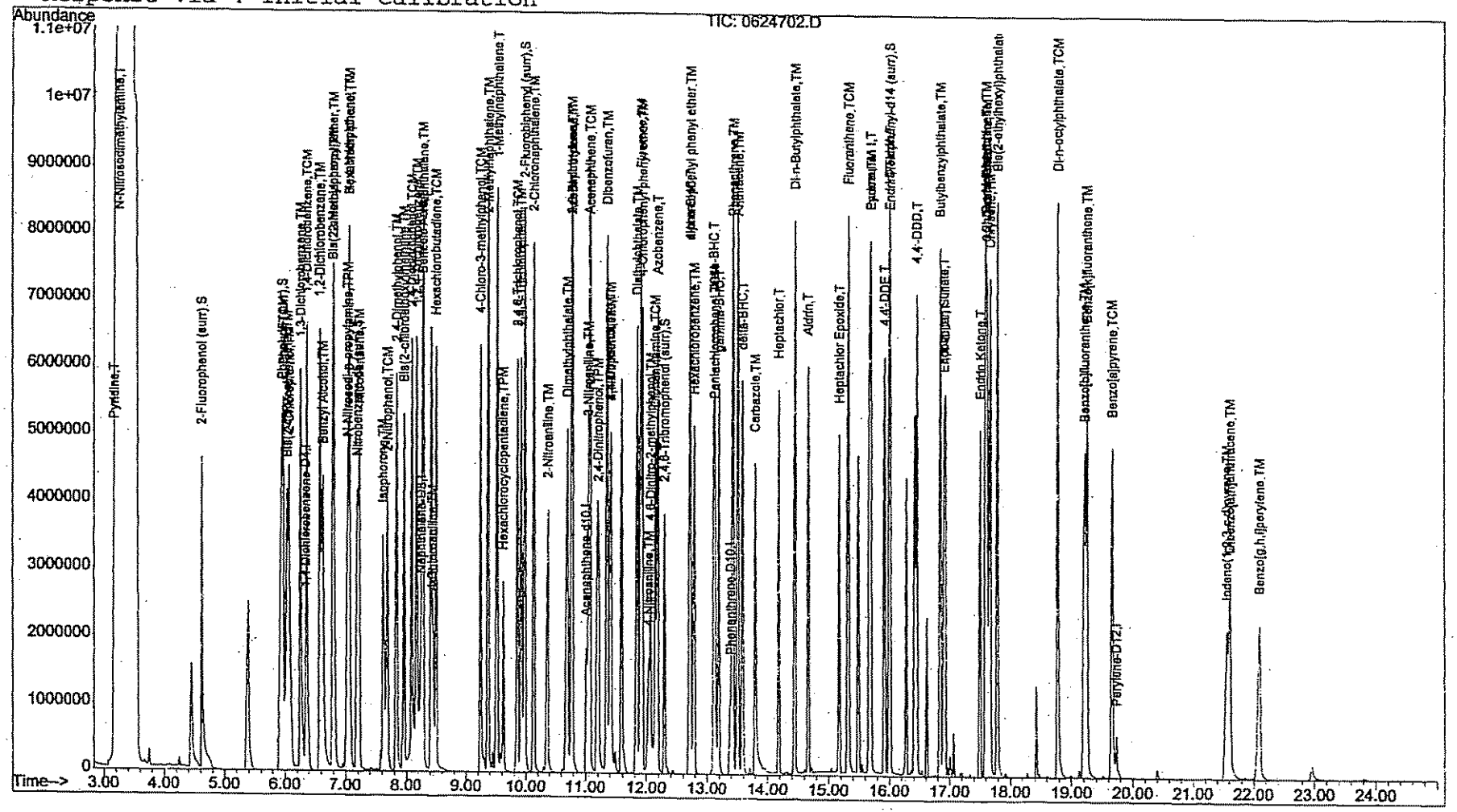
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624702.D
Acq On : 24 Jun 2005 12:32 pm
Sample : SVCAL48
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 24 14:05 2005

Vial: 2
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

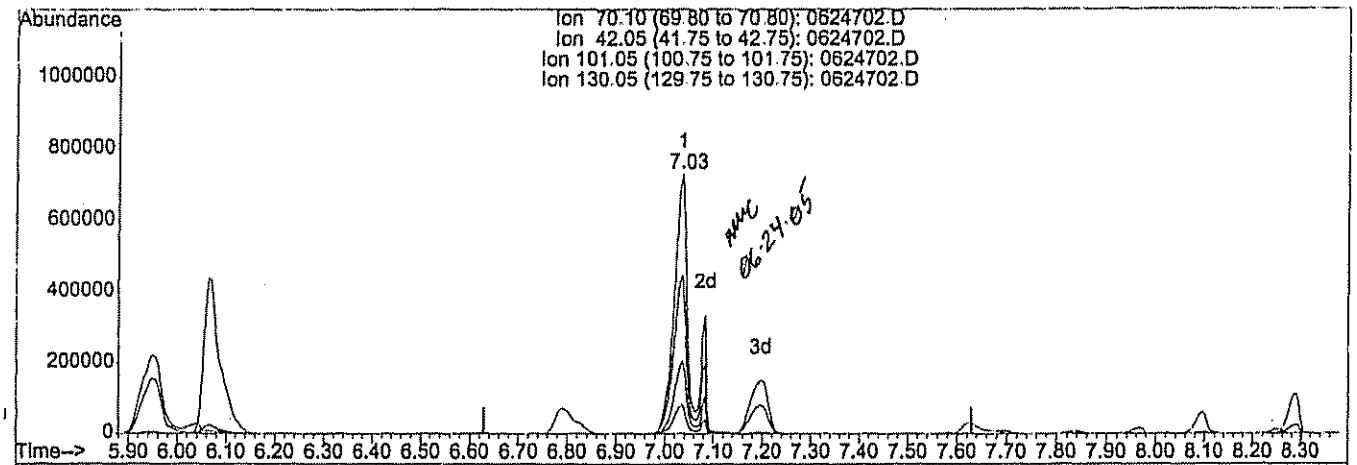
Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

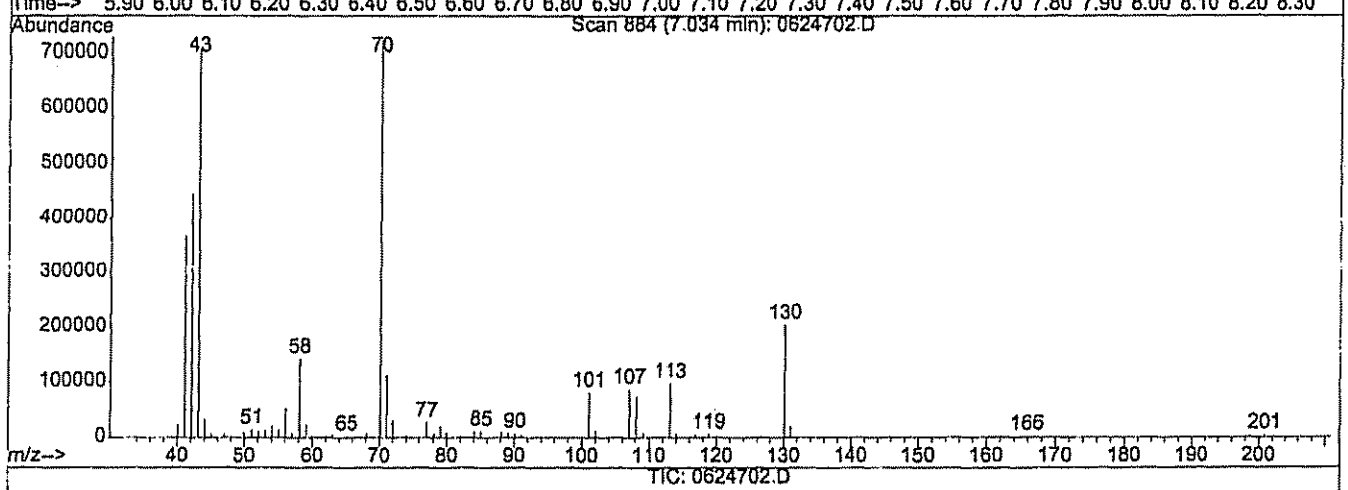


Quantitation Report (Qedit)

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 1586496

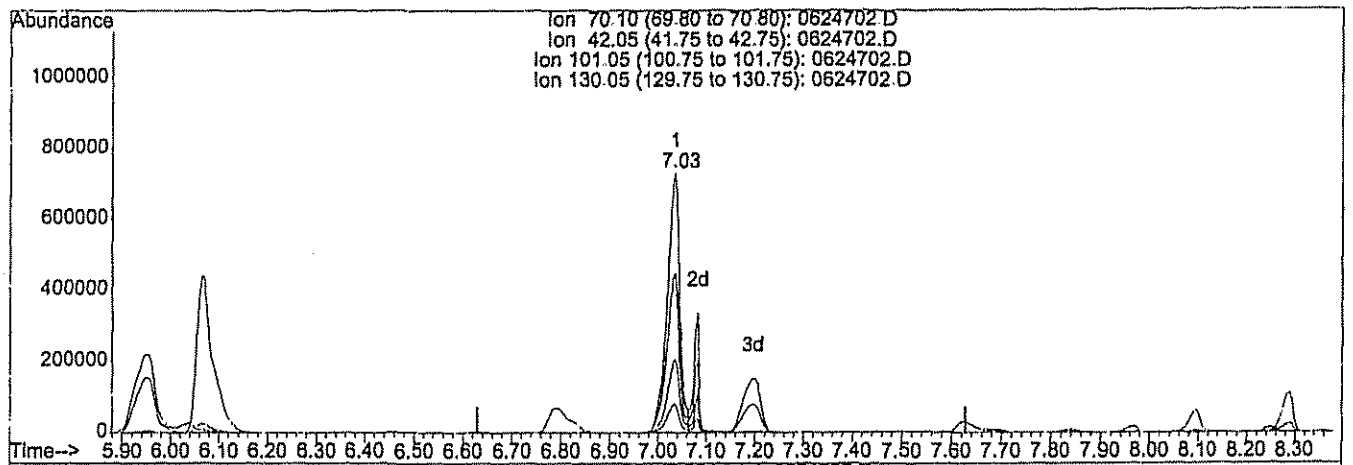
Ion	Exp%	Act%
70.10	100	100
42.05	61.90	61.24
101.05	11.20	11.25
130.05	28.10	28.15

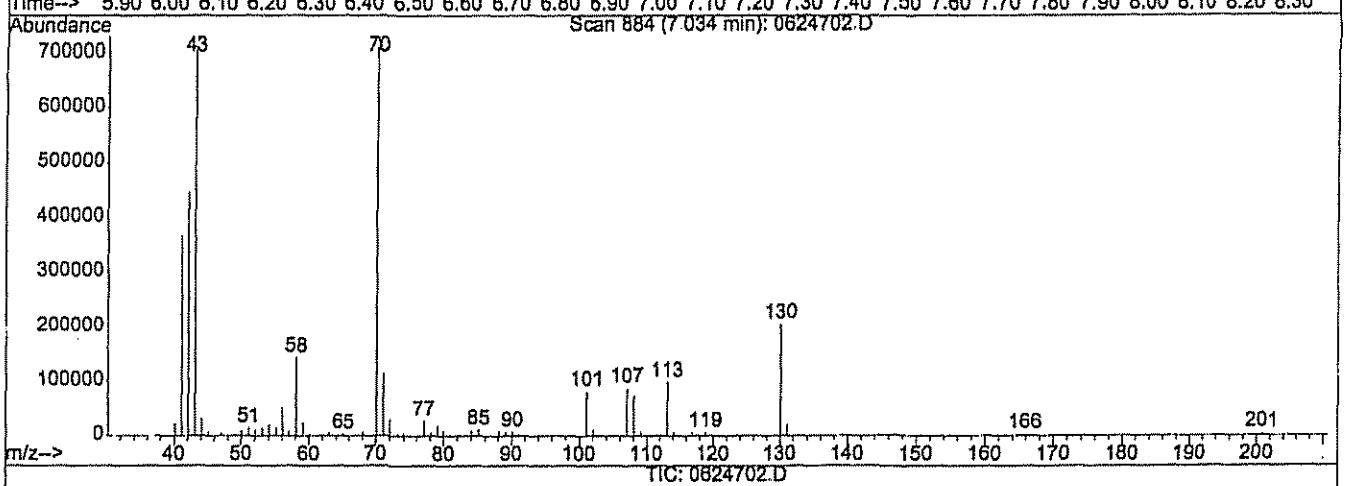
0624702.D 8270.M Fri Jun 24 14:03:54 2005 ENV

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 26.97ug/mL

response 1330170

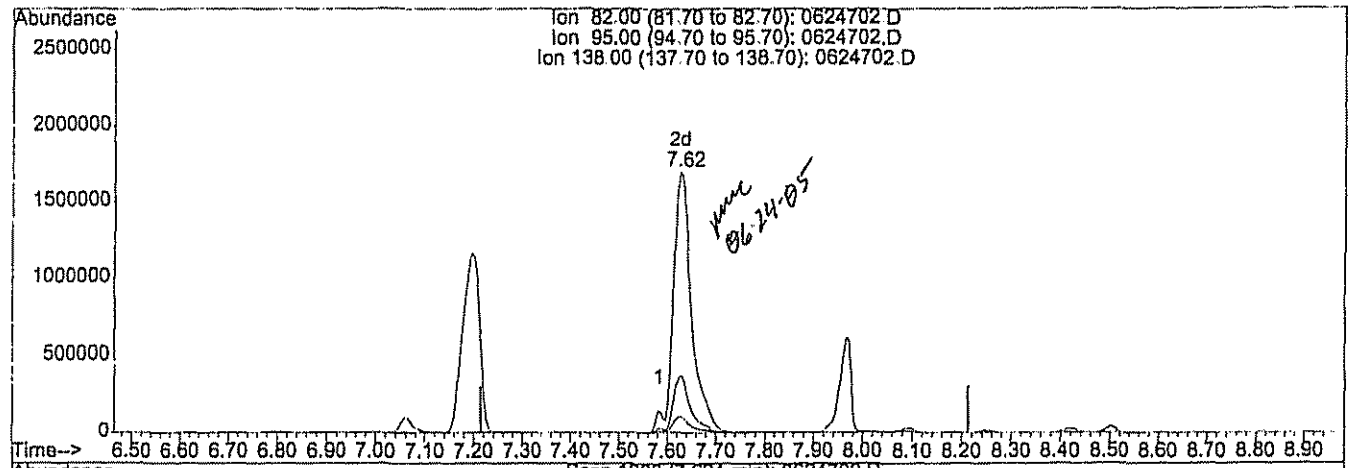
Ion	Exp%	Act%
70.10	100	100
42.05	61.90	60.91
101.05	11.20	11.25
130.05	28.10	28.15

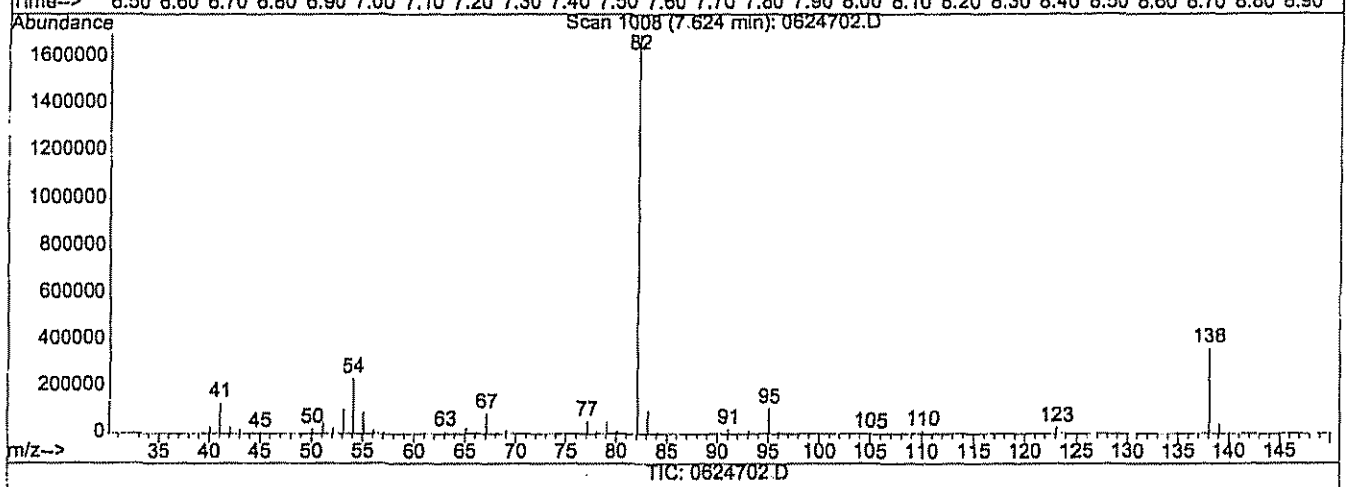
0624702.D 8270.M Fri Jun 24 14:03:50 2005 ENV

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

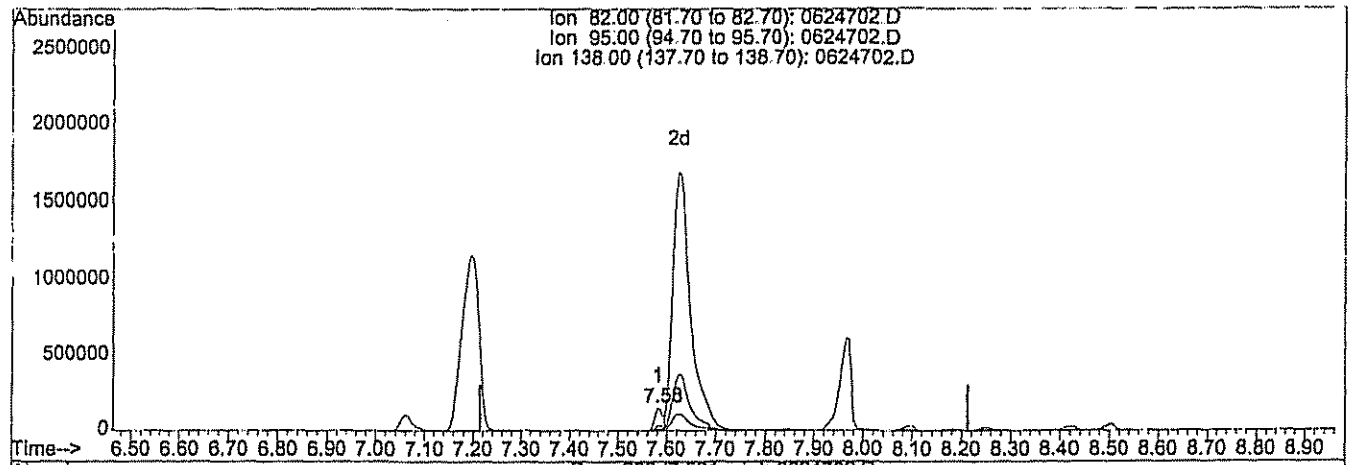
Ion	Exp%	Act%
82.00	100	100
95.00	6.30	6.36
138.00	20.80	21.69
0.00	0.00	0.00

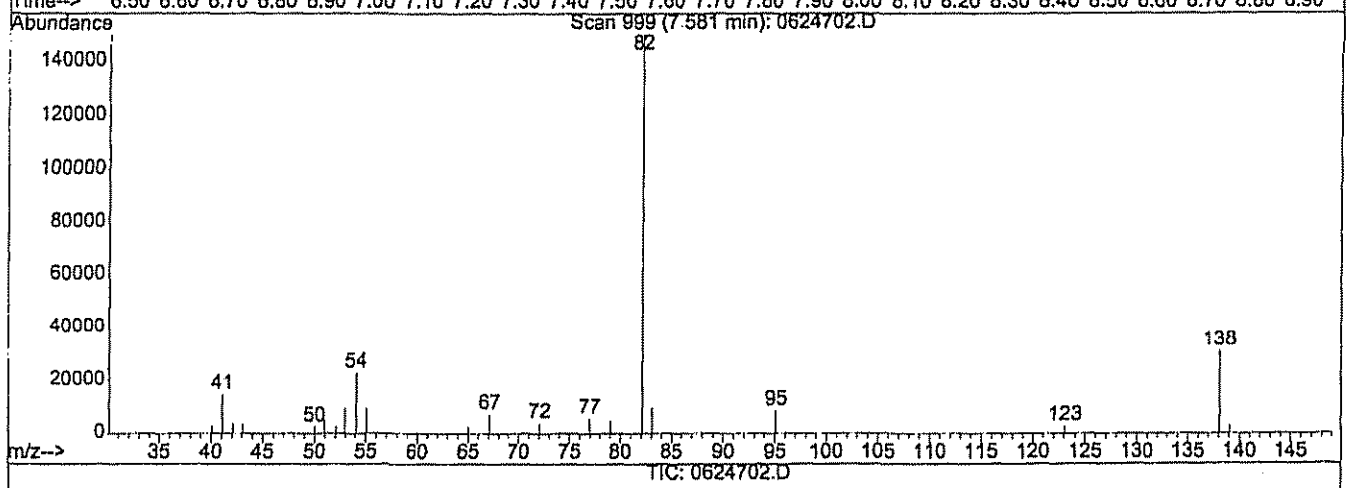
0624702.D 8270.M Fri Jun 24 14:04:08 2005 ENV

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





TIC: 0624702.D

(20) Isophorone (TM)

7.58min 1.36ug/mL

response 176814

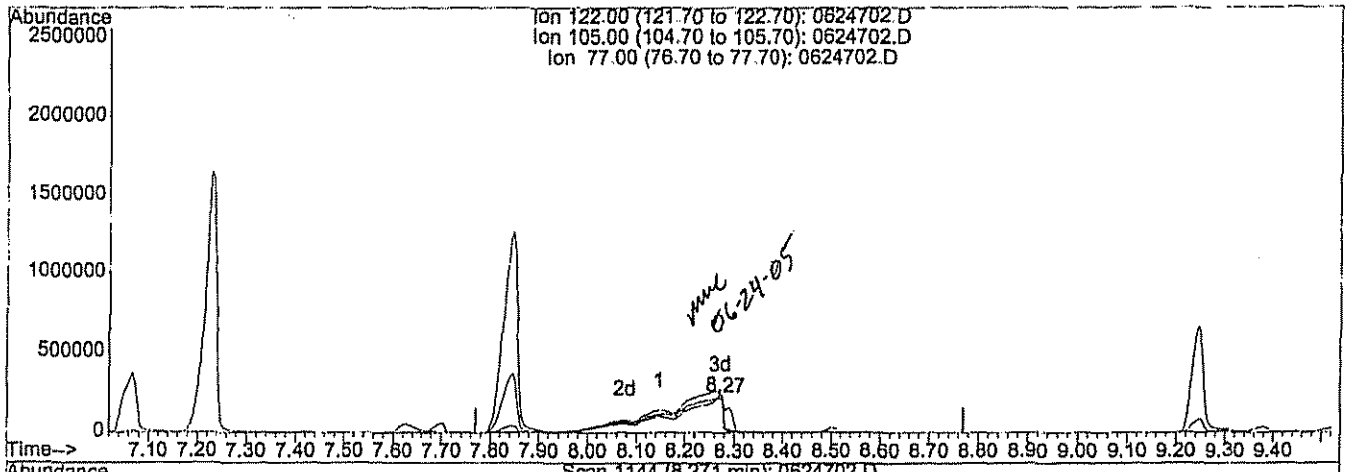
Ion	Exp%	Act%
82.00	100	100
95.00	6.30	5.83
138.00	20.80	20.75
0.00	0.00	0.00

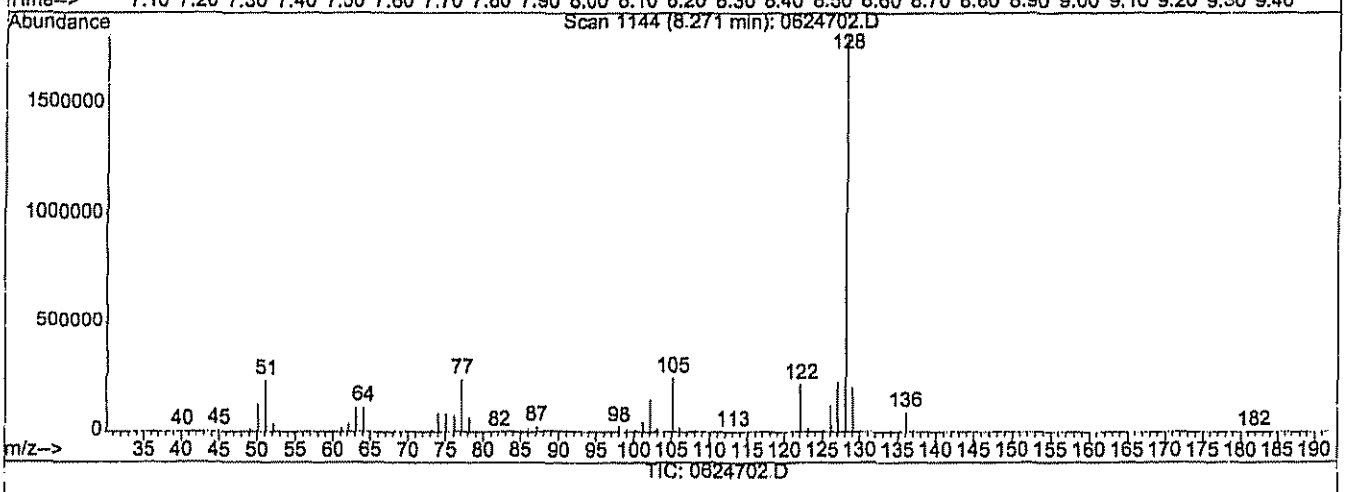
0624702.D 8270.M Fri Jun 24 14:04:04 2005 ENV

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

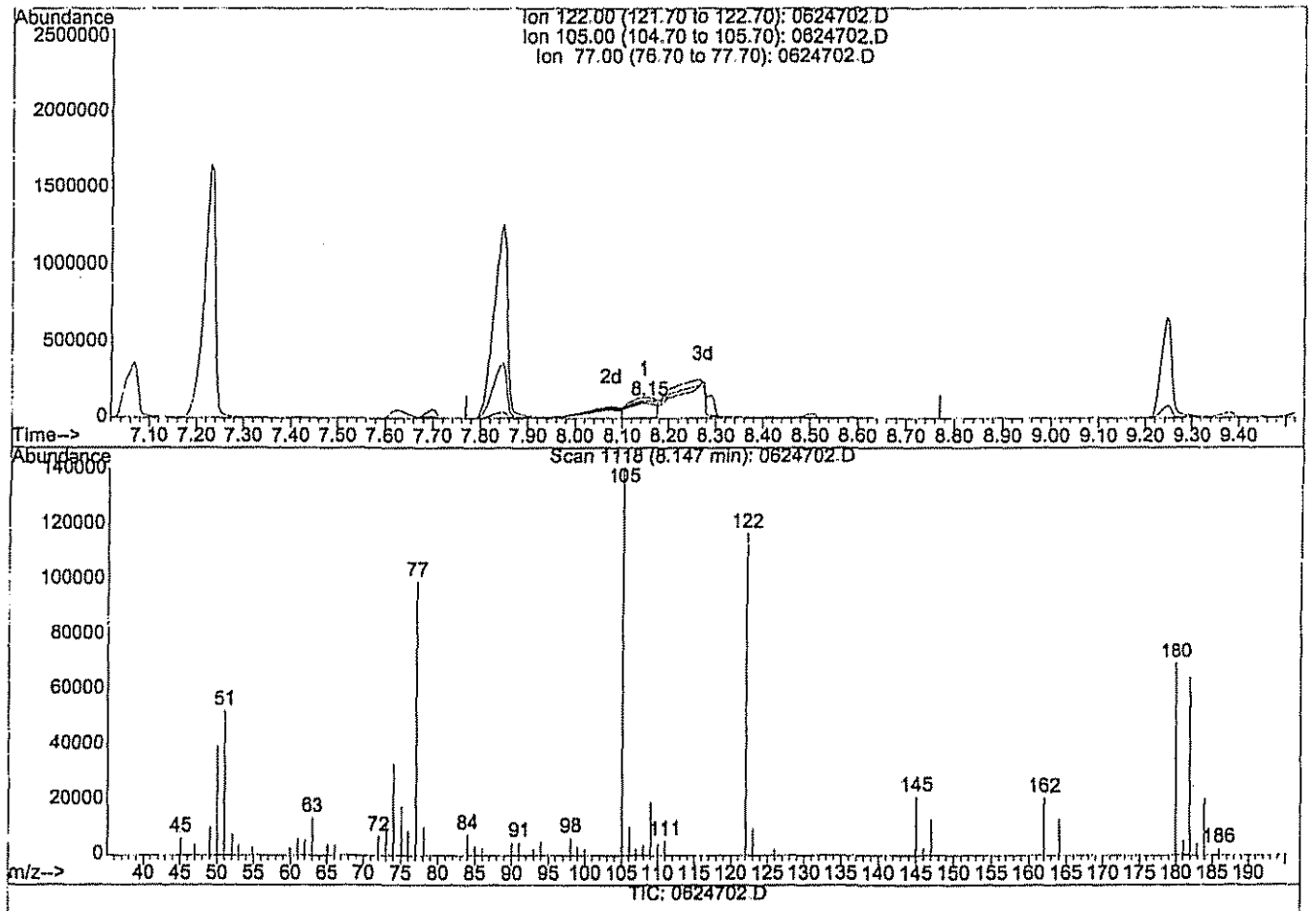
Ion	Exp%	Act%
122.00	100	100
105.00	82.50	27.04#
77.00	25.10	20.43
0.00	0.00	0.00

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

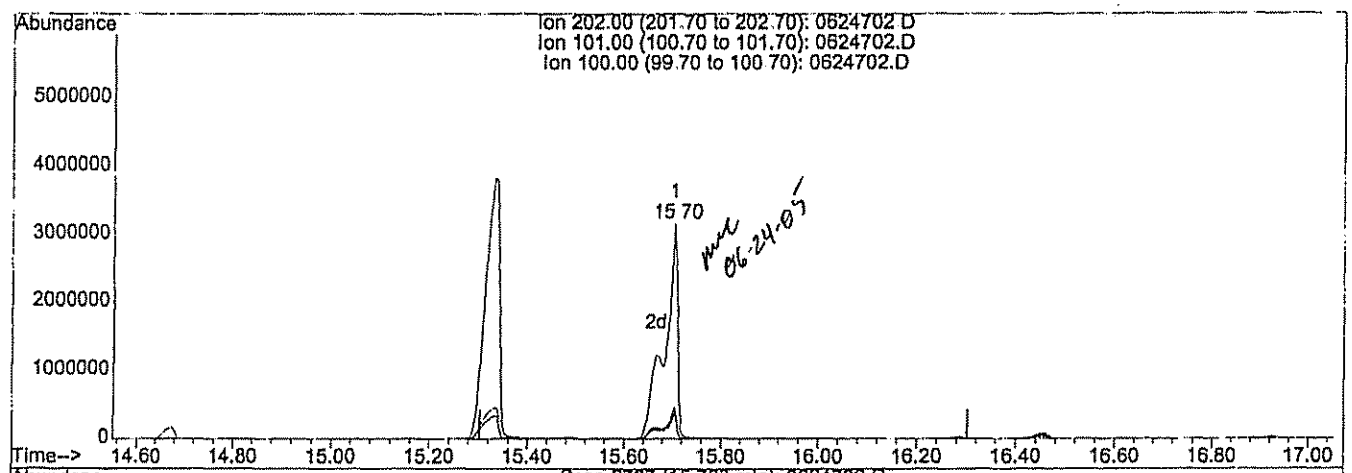
Ion	Exp%	Act%
122.00	100	100
105.00	82.50	115.85#
77.00	25.10	87.53#
0.00	0.00	0.00

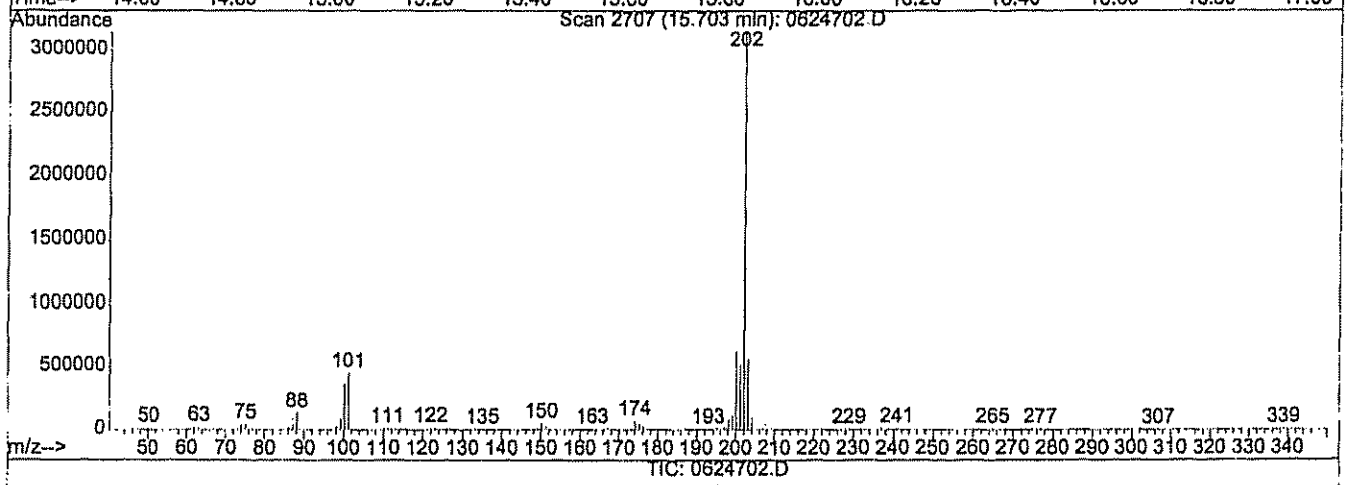
0624702.D 8270.M Fri Jun 24 14:04:13 2005 ENV

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

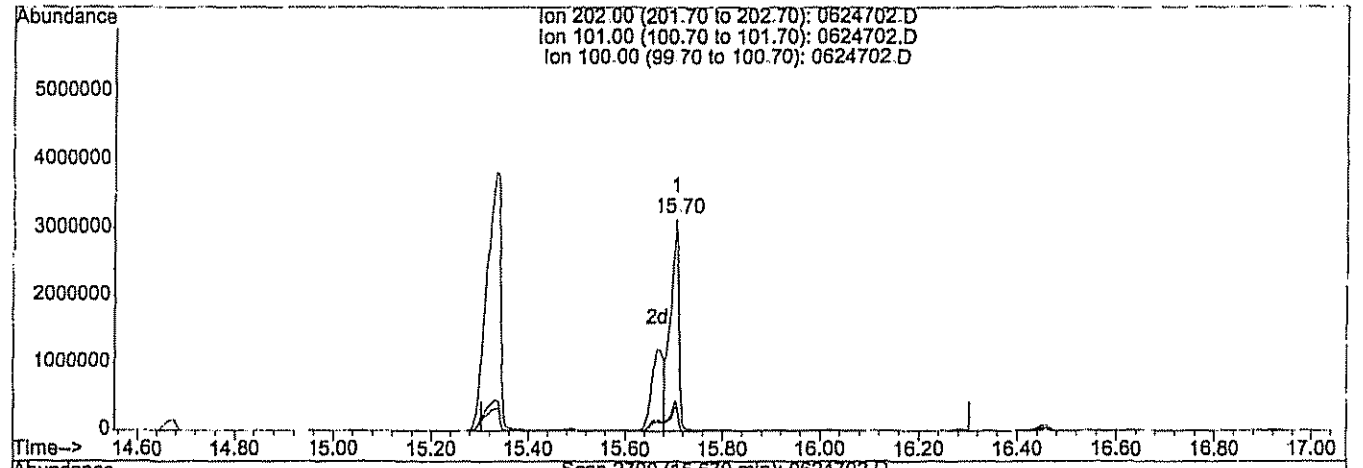
Ion	Exp%	Act%
202.00	100	100
101.00	13.80	14.39
100.00	10.70	11.50
0.00	0.00	0.00

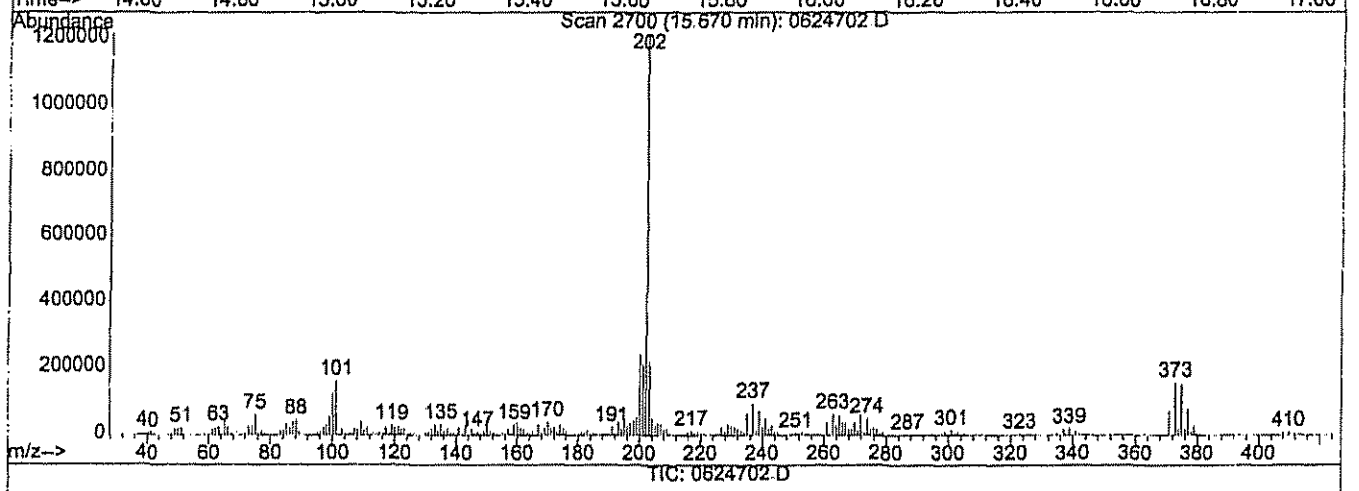
0624702.D 8270.M Fri Jun 24 14:05:04 2005 ENV

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

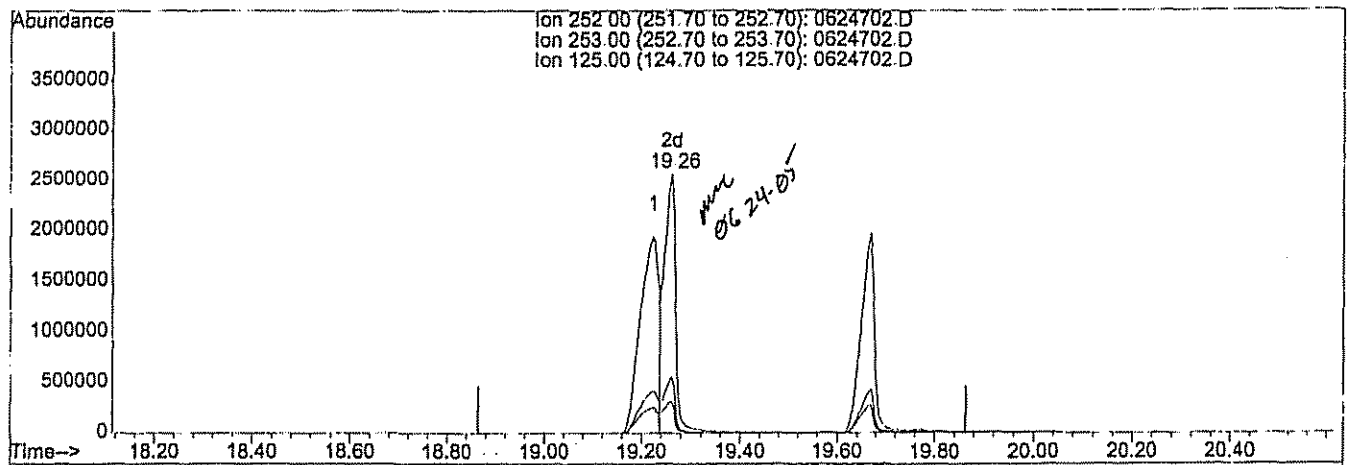
Ion	Exp%	Act%
202.00	100	100
101.00	13.80	14.42
100.00	10.70	11.52
0.00	0.00	0.00

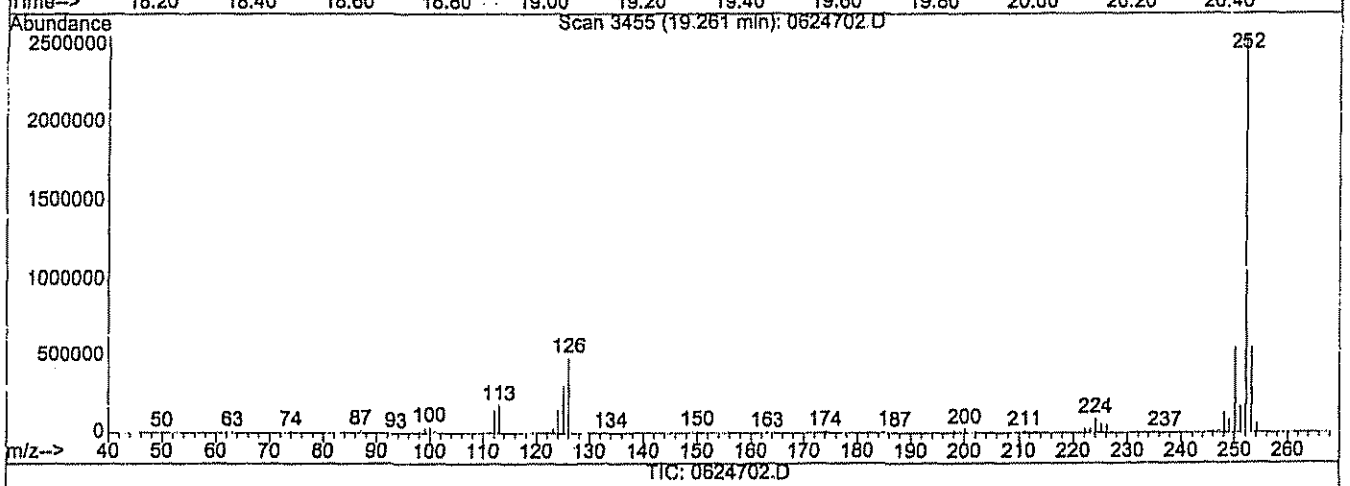
0624702.D 8270.M Fri Jun 24 14:05:00 2005 ENV

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

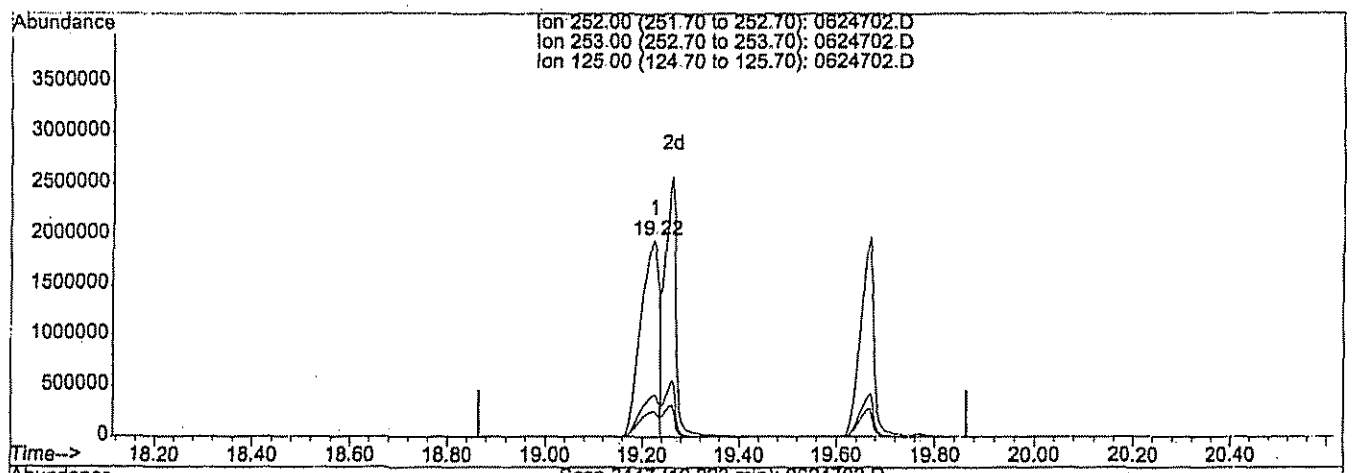
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.60
125.00	13.50	12.25
0.00	0.00	0.00

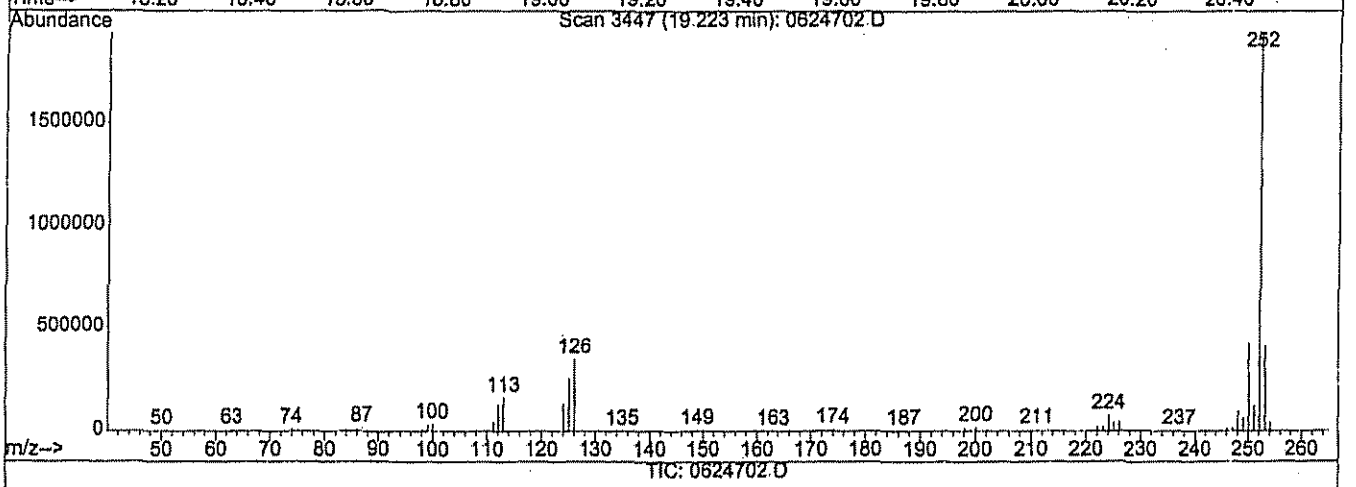
0624702.D 8270.M Fri Jun 24 14:05:19 2005 ENV

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





(96) Benzo[k]fluoranthene (TM)

19.22min 42.94ug/mL

response 5129038

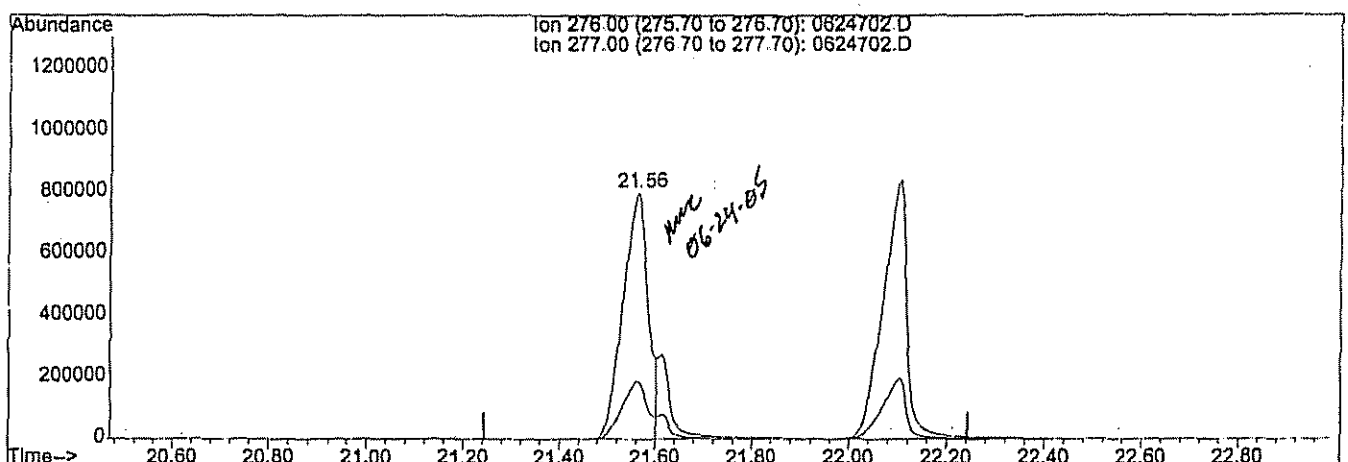
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.28
125.00	13.50	13.10
0.00	0.00	0.00

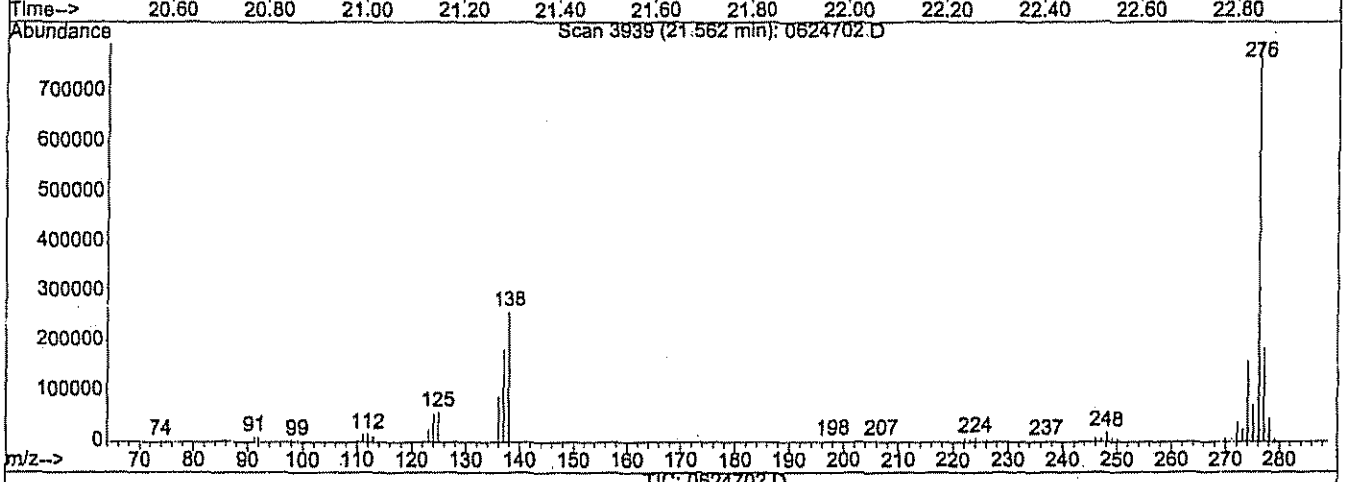
0624702.D 8270.M Fri Jun 24 14:05:15 2005 ENV

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

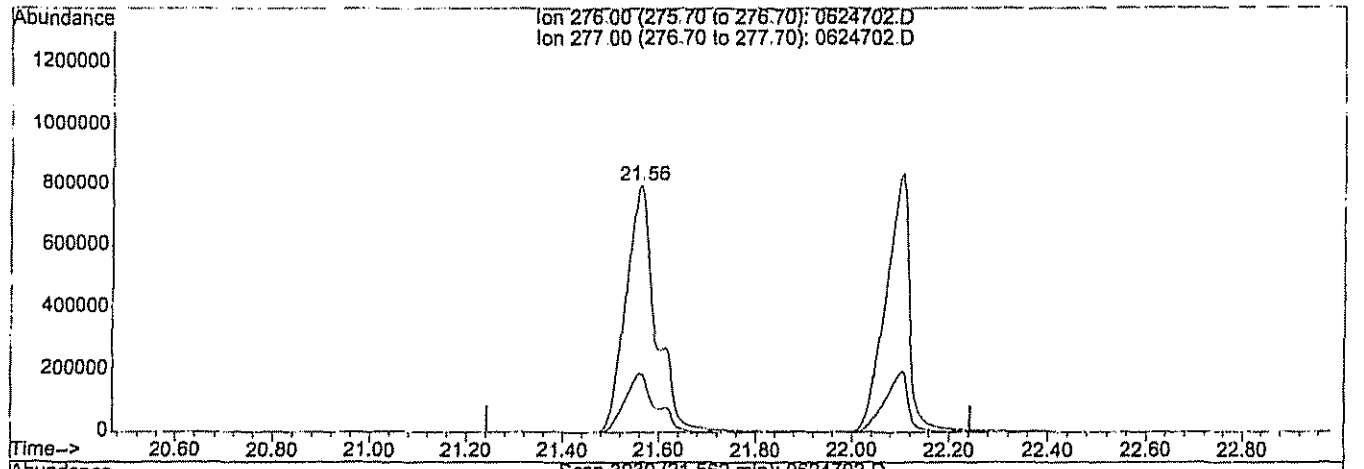
Ion	Exp%	Act%
276.00	100	100
277.00	24.00	23.35
0.00	0.00	0.00
0.00	0.00	0.00

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

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

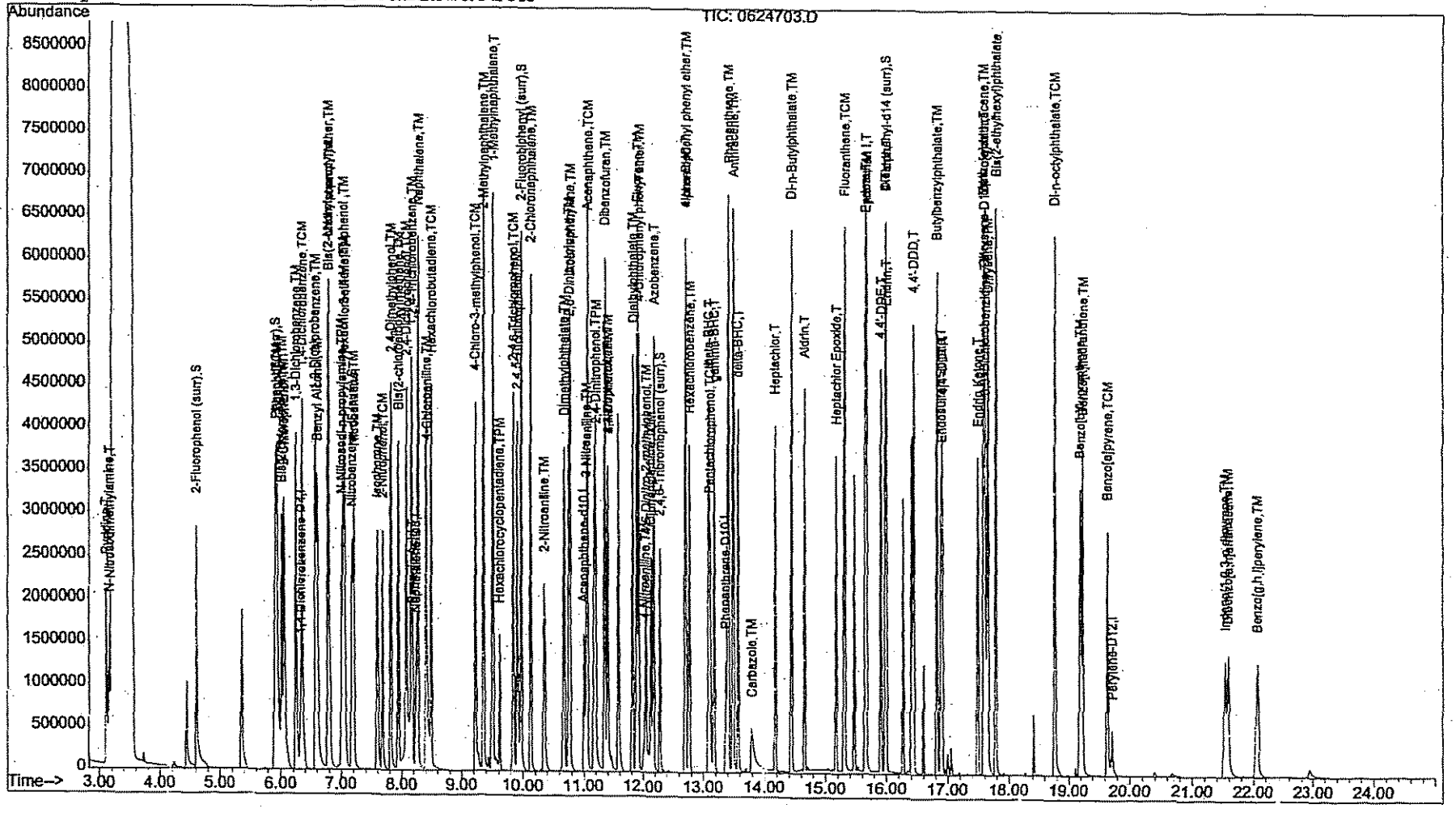
Quantitation Report (QT Reviewed)

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

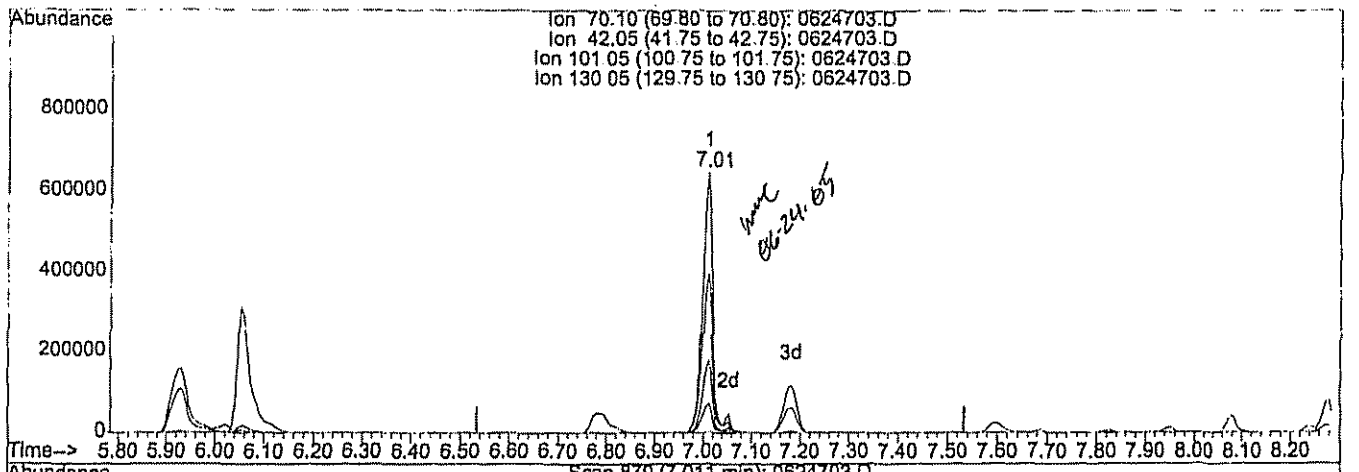


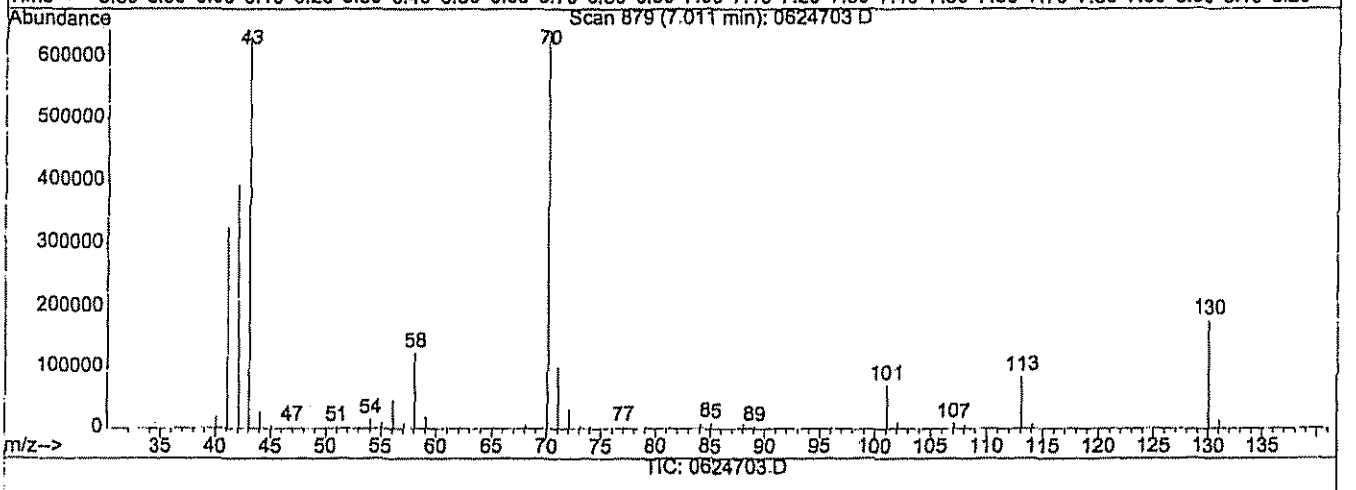
0624703.D 8270.M Fri Jun 24 17:12:53 2005 ENV

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

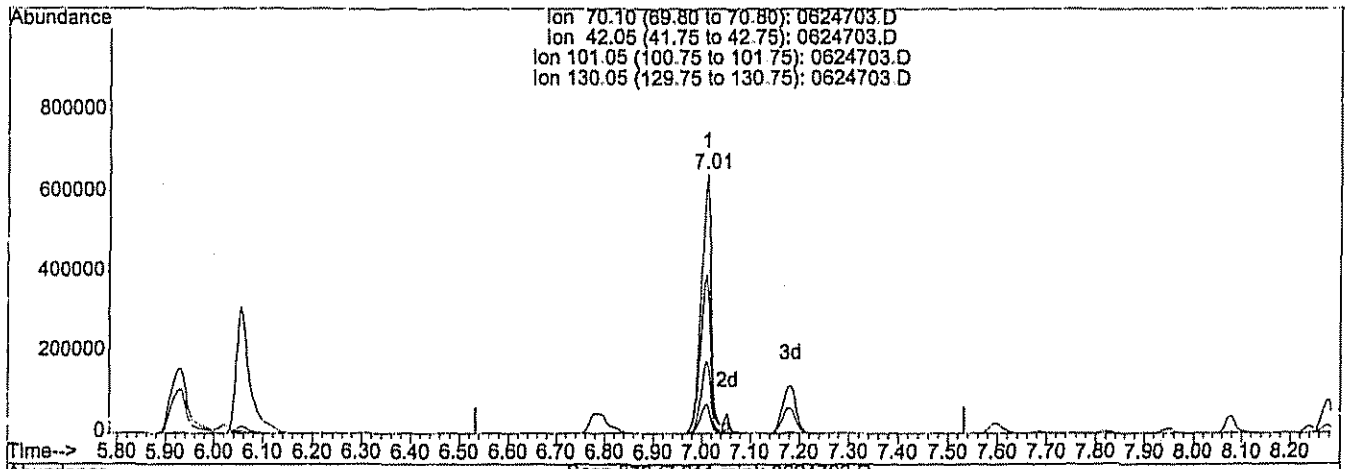
Ion	Exp%	Act%
70.10	100	100
42.05	61.20	61.31
101.05	11.20	11.12
130.05	28.20	27.71

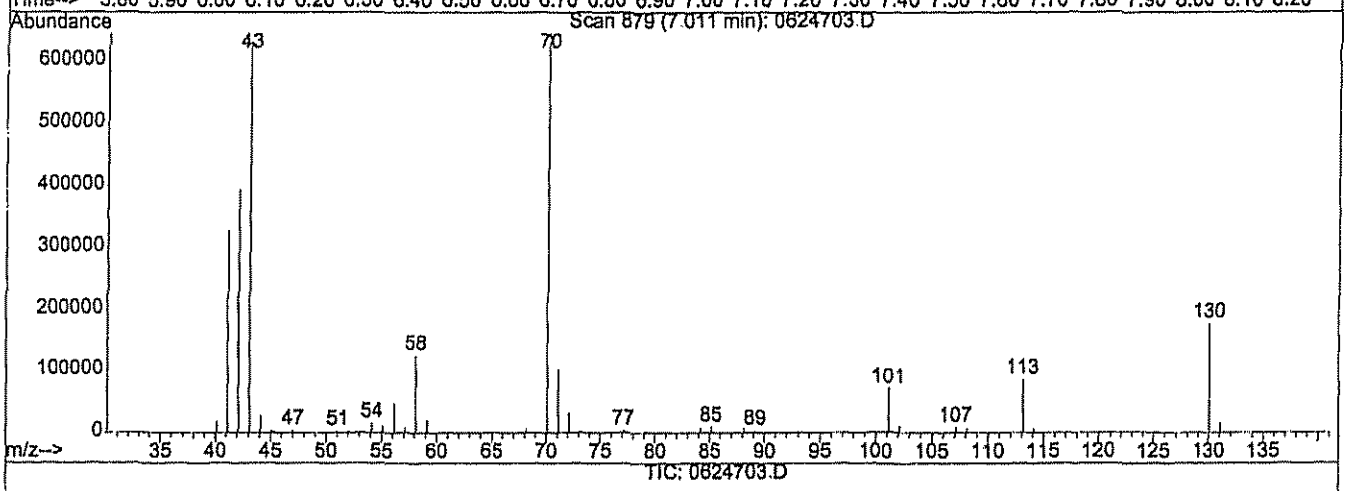
0624703.D 8270.M Fri Jun 24 14:06:39 2005 ENV

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

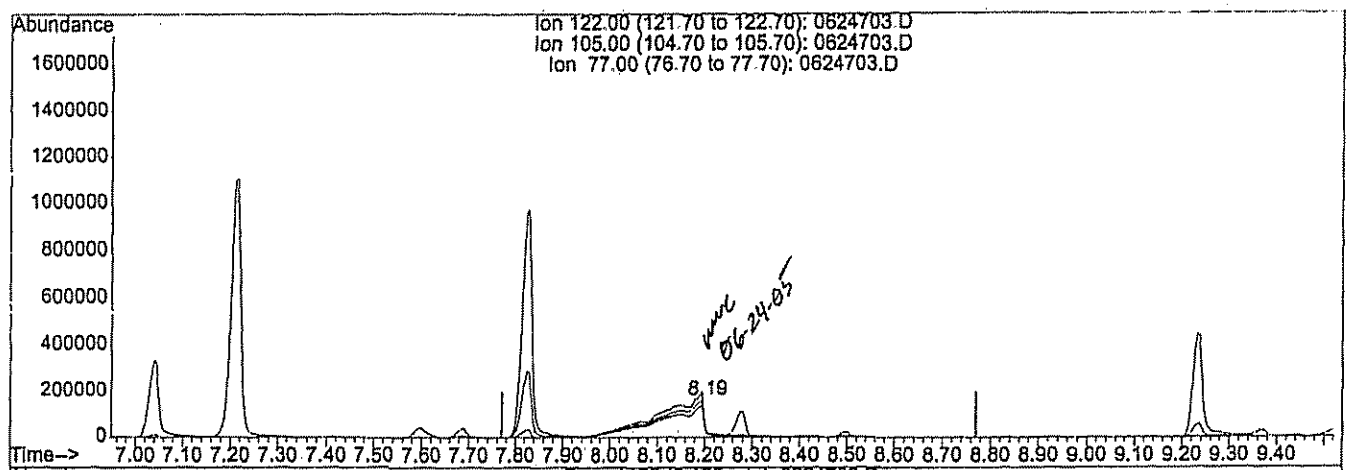
Ion	Exp%	Act%
70.10	100	100
42.05	61.20	61.31
101.05	11.20	11.12
130.05	28.20	27.71

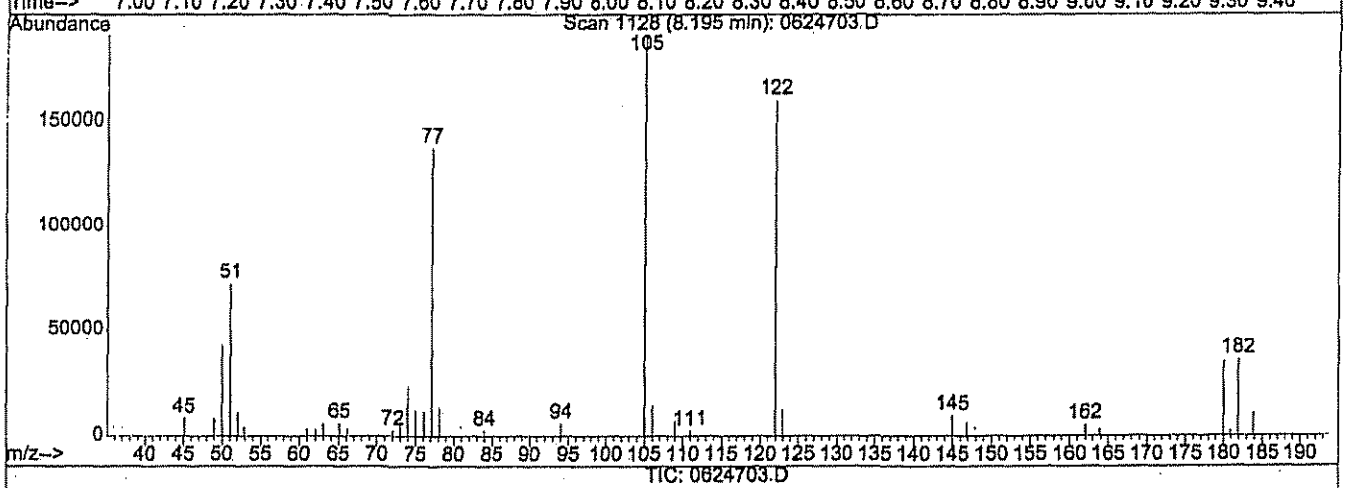
0624703.D 8270.M Fri Jun 24 14:06:35 2005 ENV

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

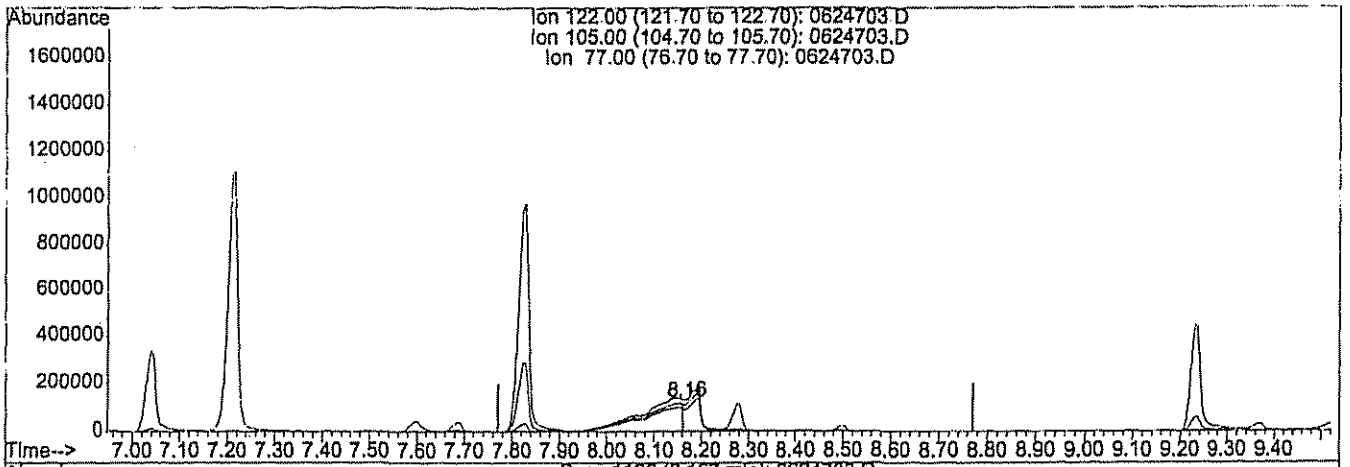
Ion	Exp%	Act%
122.00	100	100
105.00	27.00	56.34#
77.00	20.40	40.28#
0.00	0.00	0.00

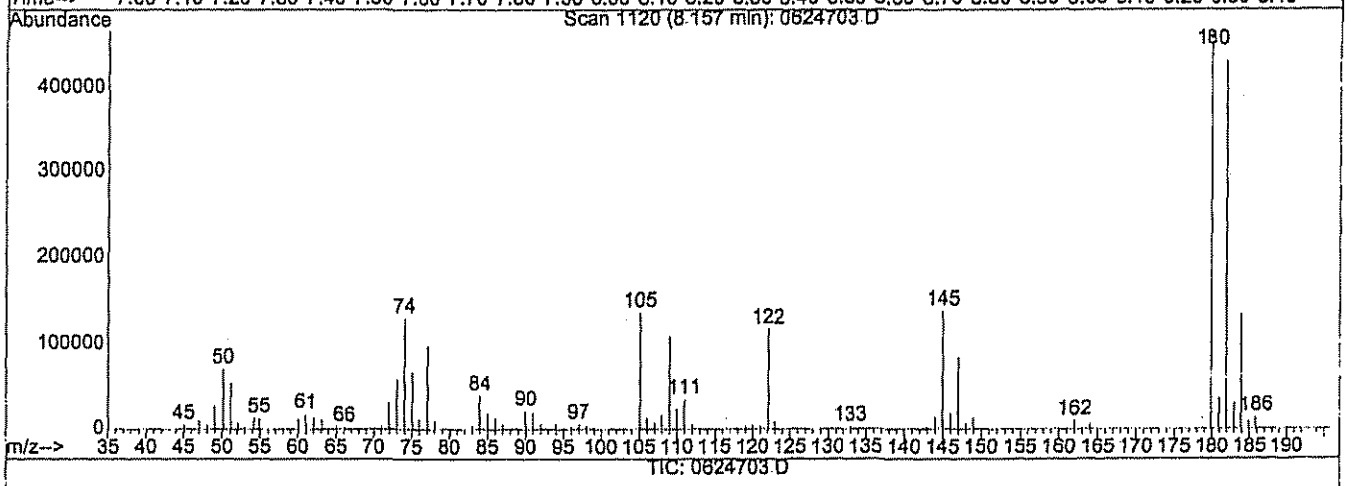
0624703.D 8270.M Fri Jun 24 14:06:50 2005 ENV

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





TIC: 0624703.D

(23) Benzoic Acid (T)

8.16min 15.93ug/mL

response 733161

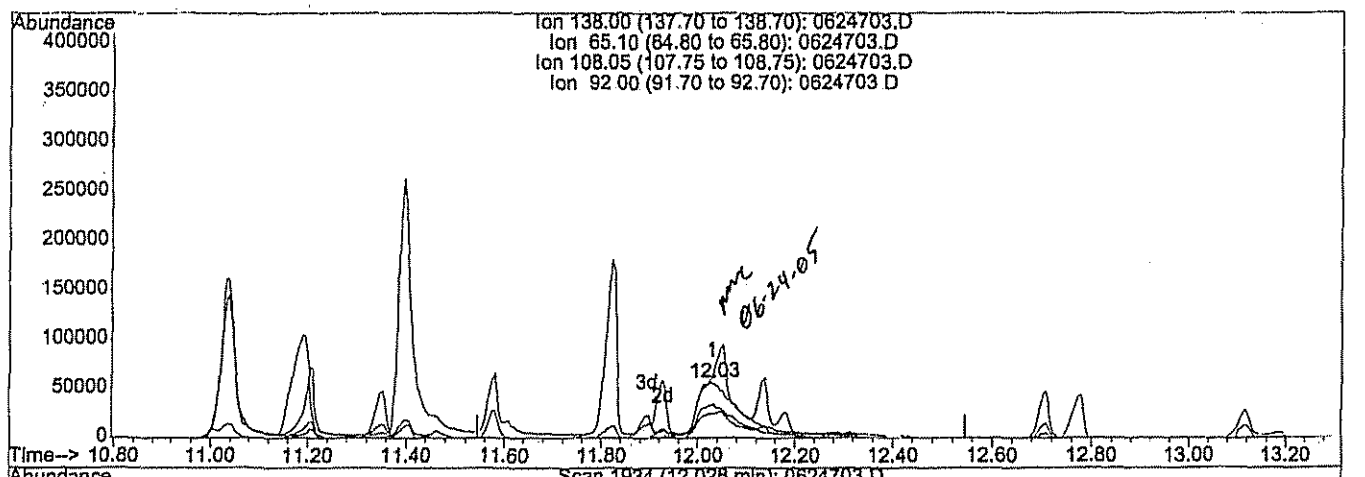
Ion	Exp%	Act%
122.00	100	100
105.00	27.00	80.84#
77.00	20.40	57.80#
0.00	0.00	0.00

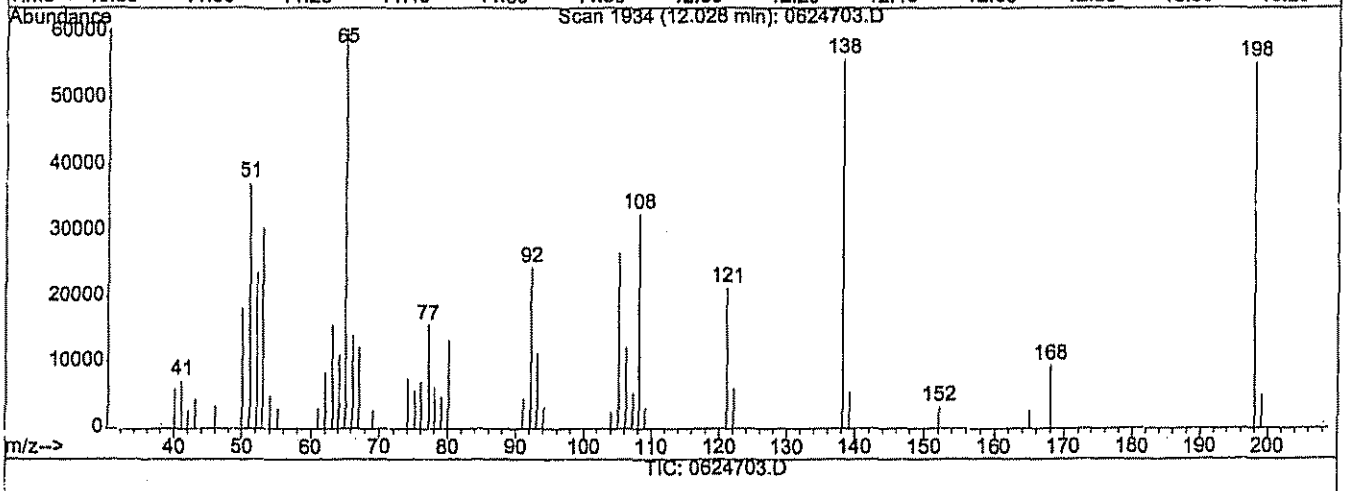
0624703.D 8270.M Fri Jun 24 14:06:46 2005 ENV

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





(52) 4-Nitroaniline (TM)

12.03min 23.92ug/mL m

response 375629

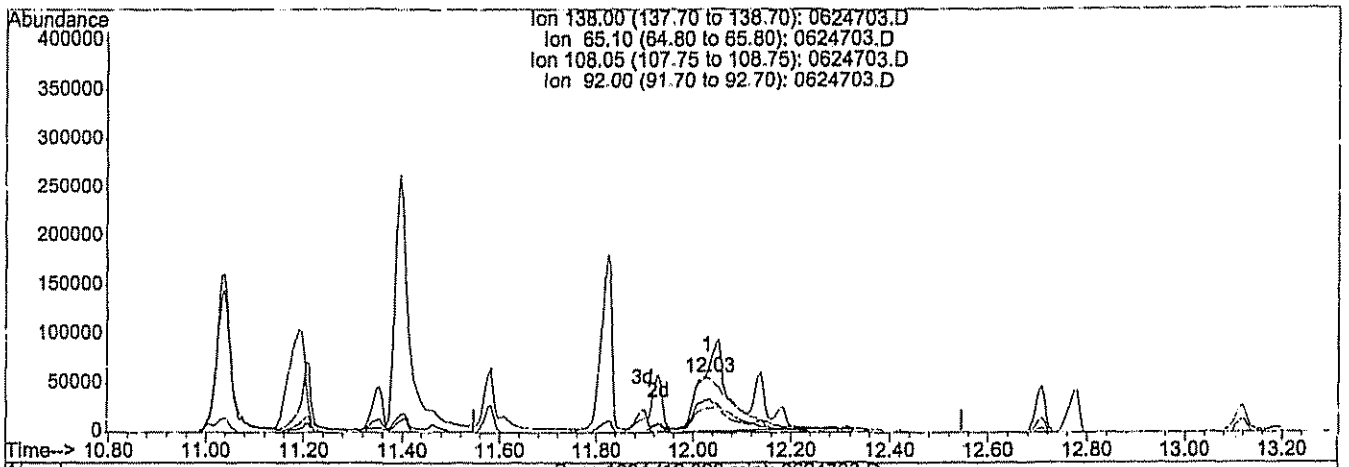
Ion	Exp%	Act%
138.00	100	100
65.10	93.50	108.34
108.05	57.10	58.47
92.00	39.50	43.88

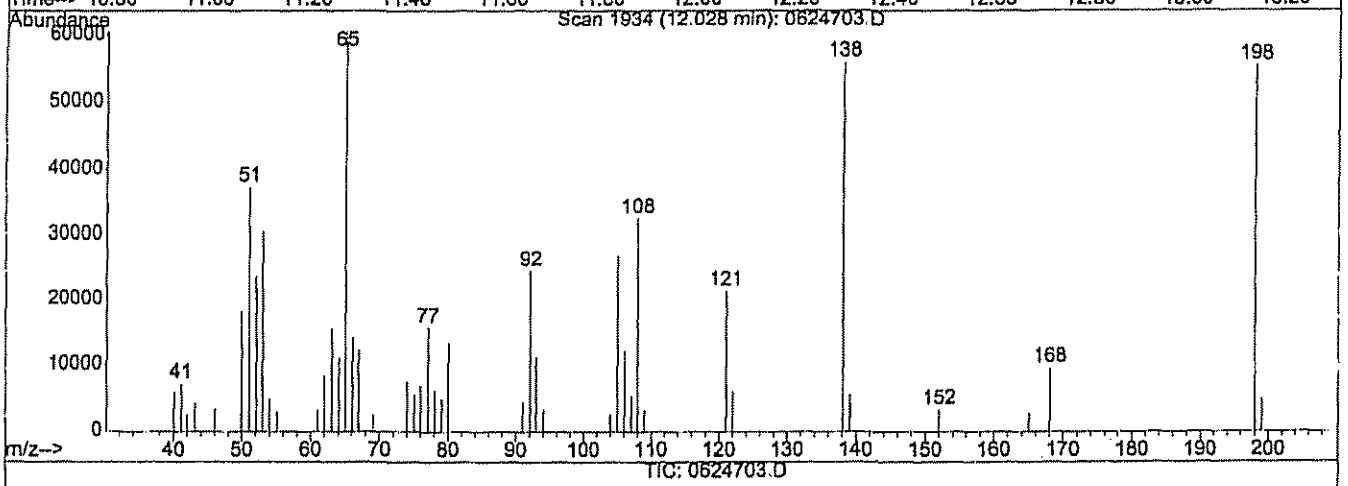
0624703.D 8270.M Fri Jun 24 14:07:20 2005 ENV

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





(52) 4-Nitroaniline (TM)

12.03min 20.51ug/mL

response 322046

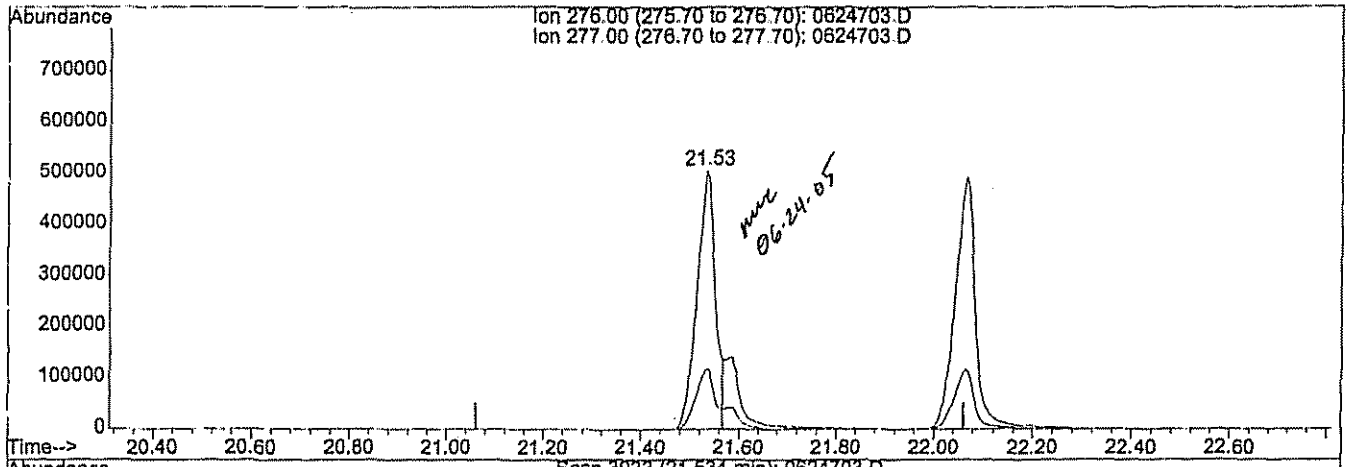
Ion	Exp%	Act%
138.00	100	100
65.10	93.50	105.90
108.05	57.10	62.26
92.00	39.50	46.73

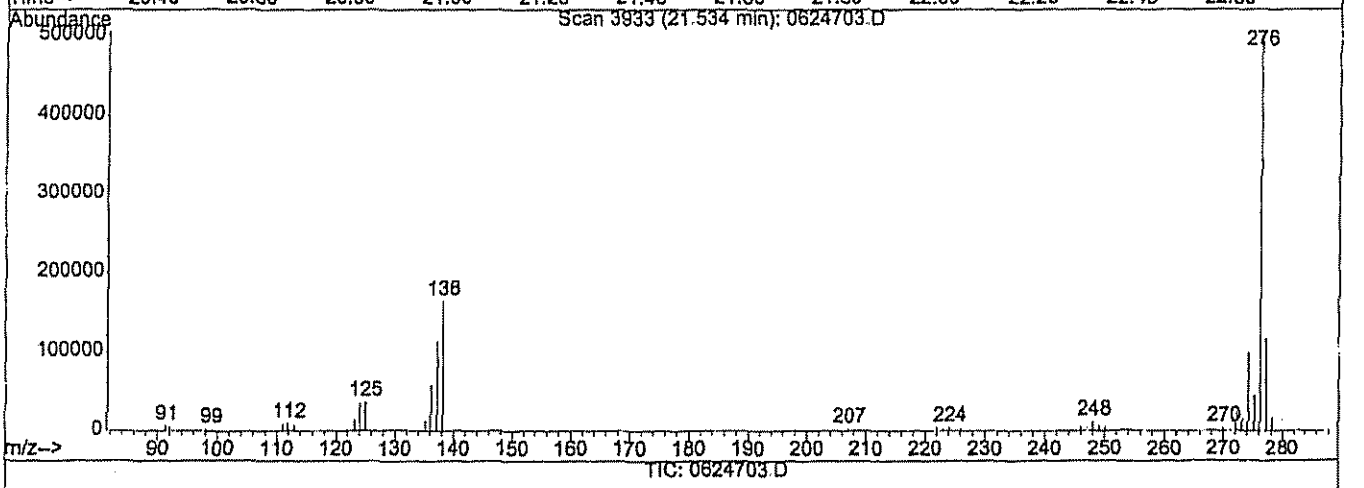
0624703.D 8270.M Fri Jun 24 14:07:16 2005 ENV

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





(98) Indeno(1,2,3-c,d)pyrene (TM)

21.53min 22.74ug/mL m

response 1310322

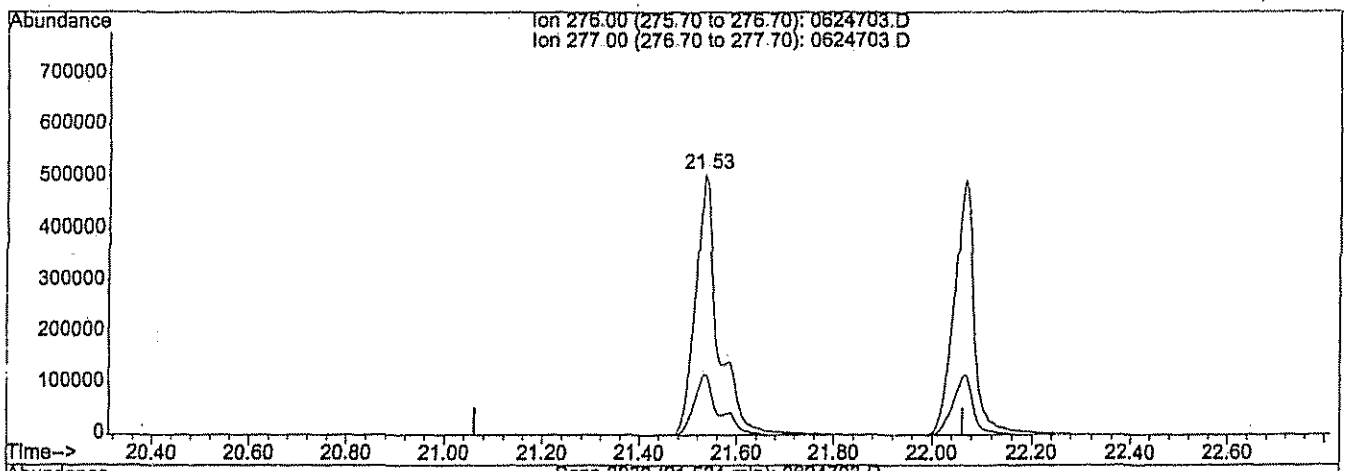
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.25
0.00	0.00	0.00
0.00	0.00	0.00

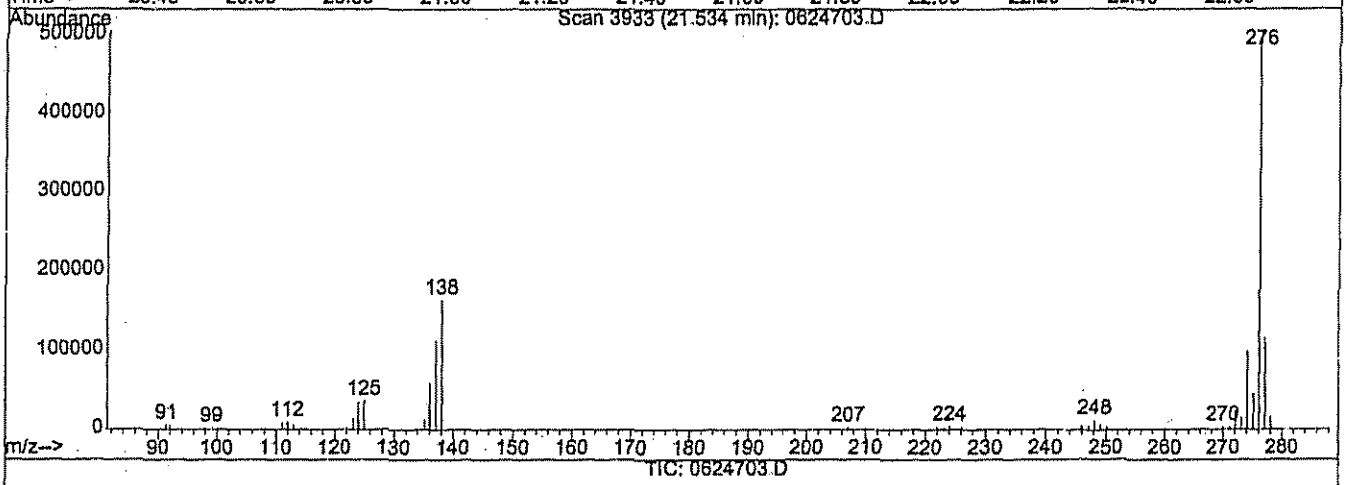
0624703.D 8270.M Fri Jun 24 14:07:50 2005 ENV

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





(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

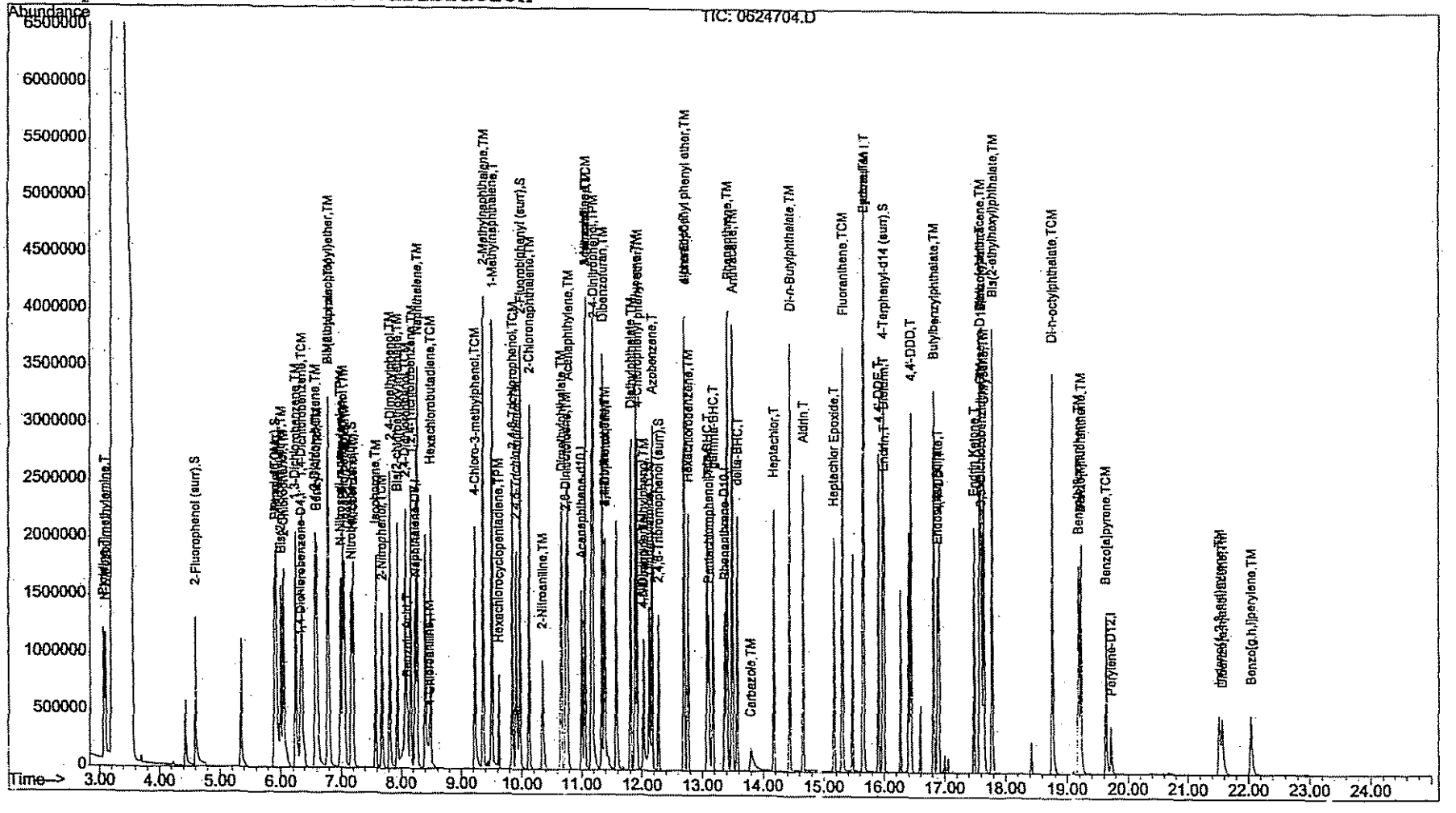
Quantitation Report (QT Reviewed)

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

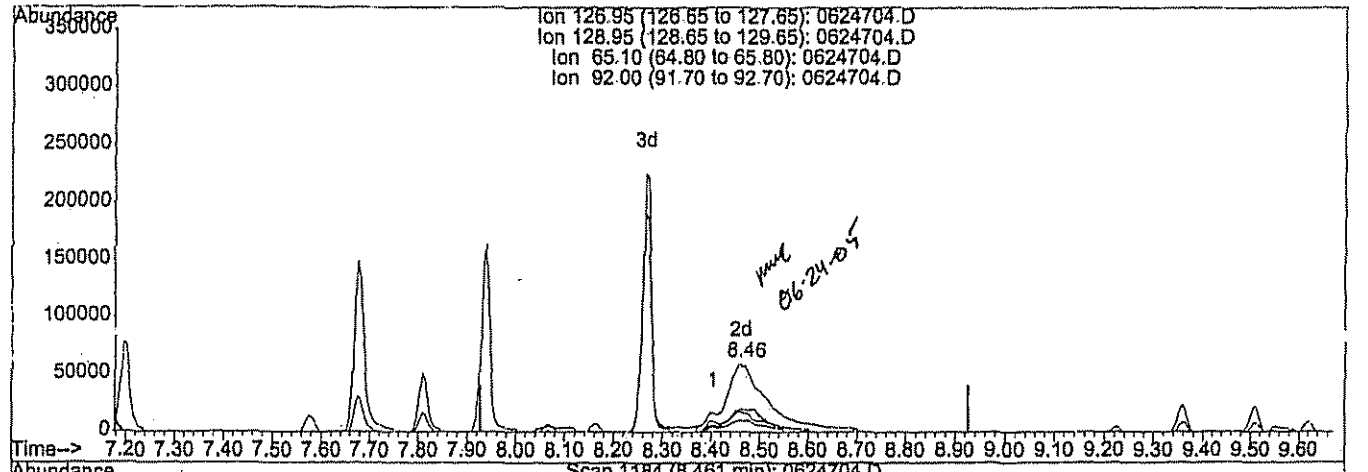


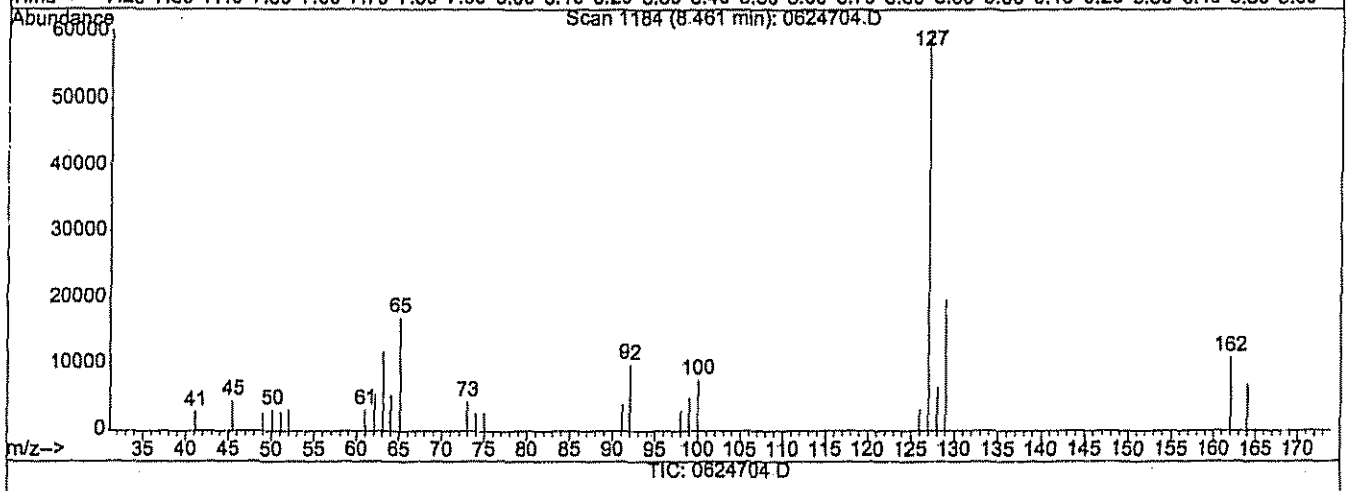
Quantitation Report (Qedit)

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 14:11 2005

Vial: 4
Operator: MRC
Inst : MSD7
Multiplr: 1.00
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

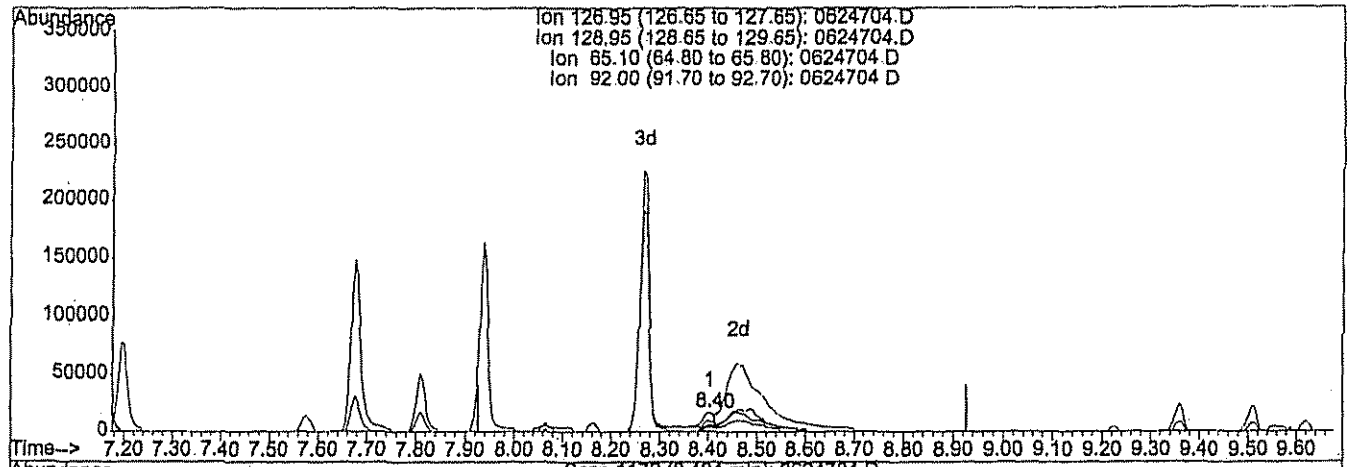
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	32.82
65.10	28.40	28.35
92.00	16.90	16.61

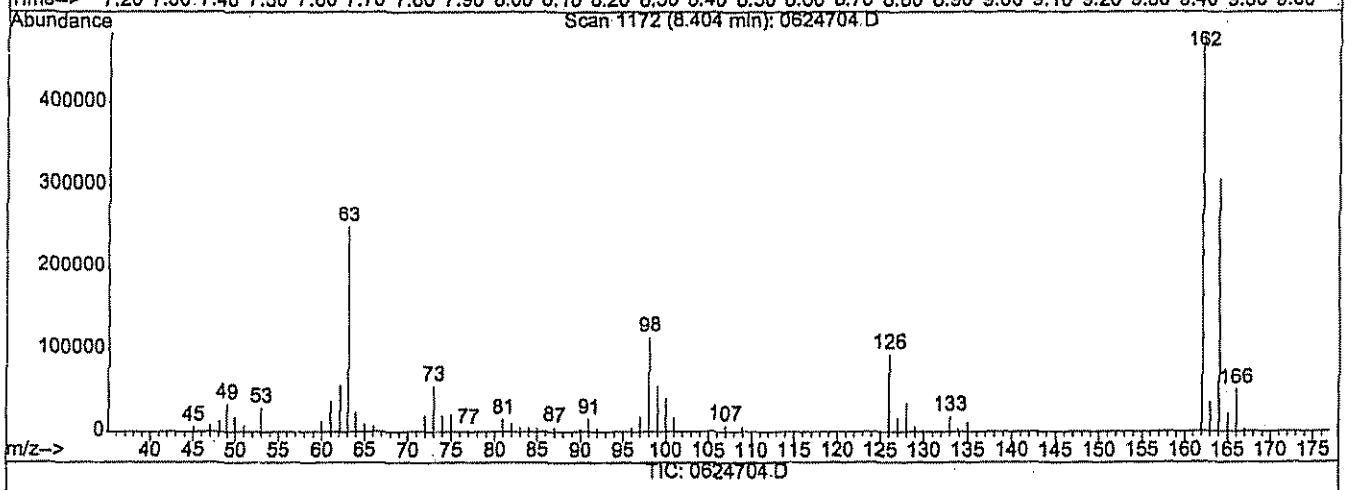
0624704.D 8270.M Fri Jun 24 14:11:15 2005 ENV

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

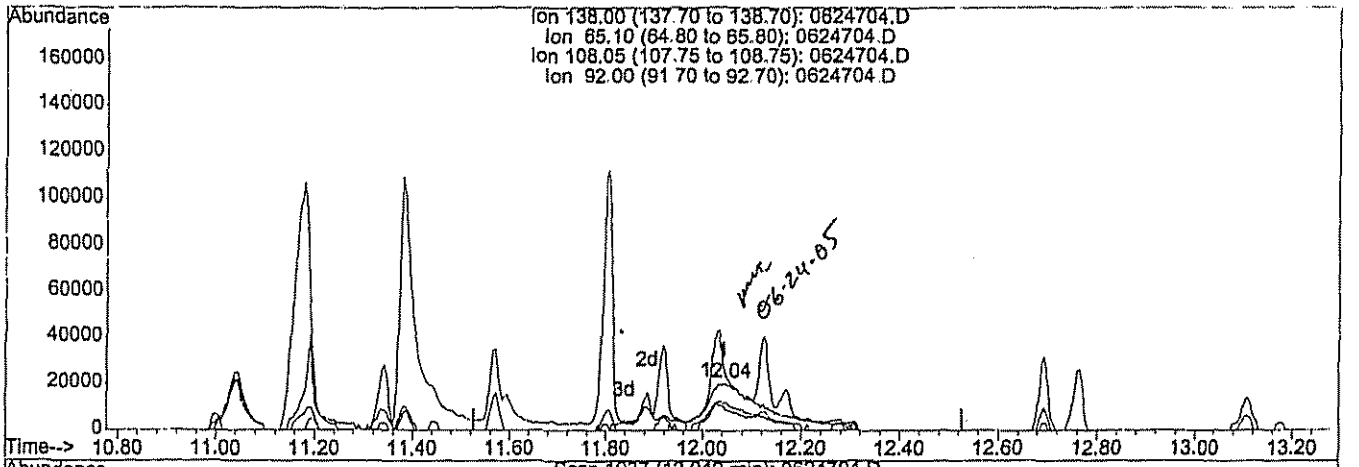
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	46.96#
65.10	28.40	72.24#
92.00	16.90	36.31#

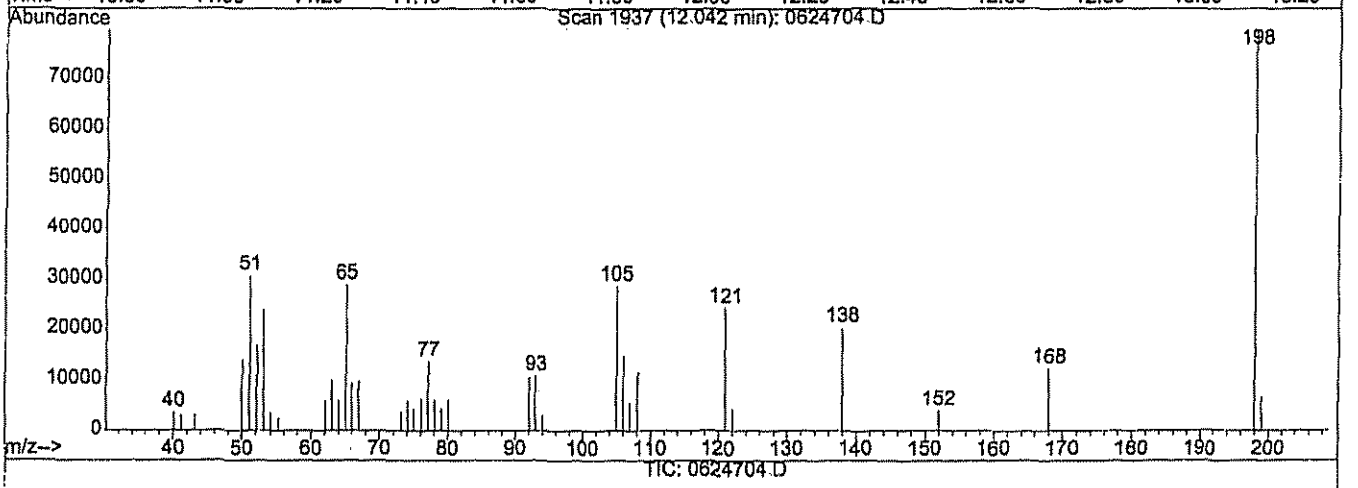
0624704.D 8270.M Fri Jun 24 14:11:09 2005 ENV

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

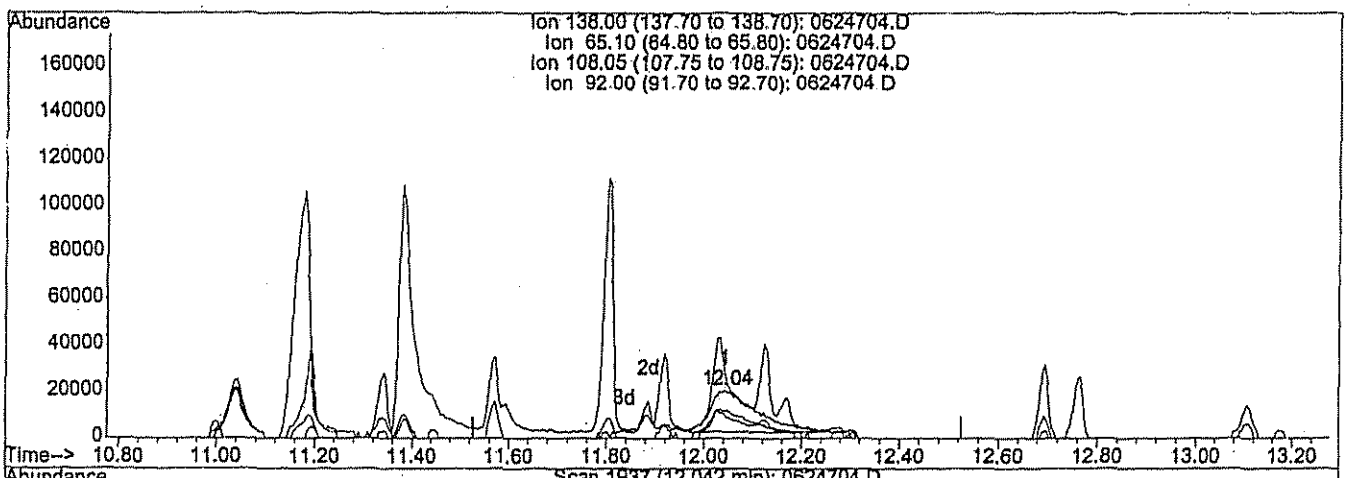
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	141.03#
108.05	58.50	56.60
92.00	43.90	51.22

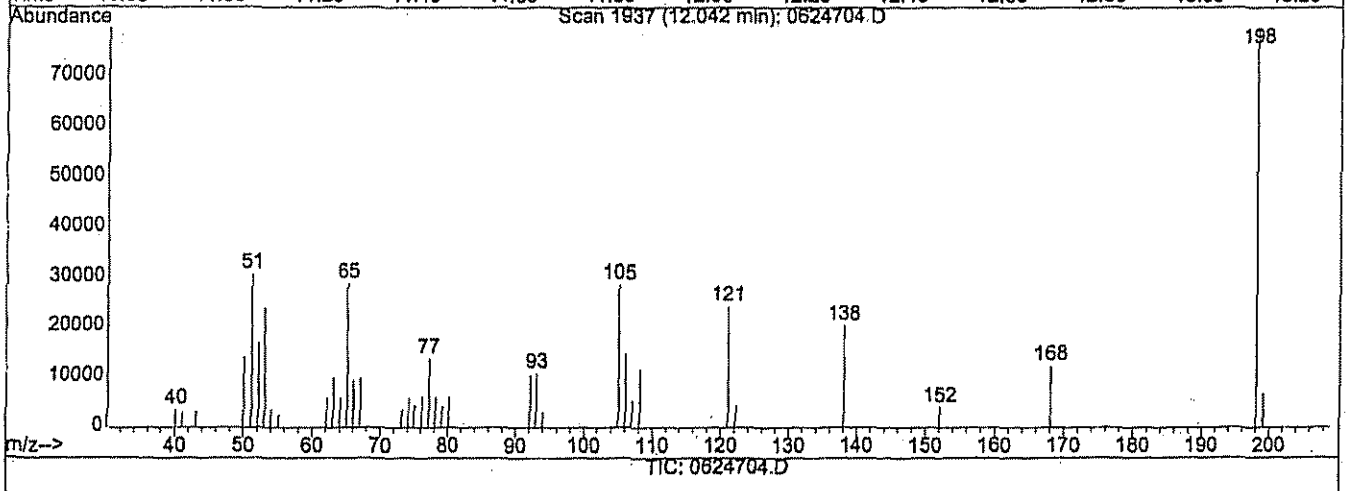
0624704.D 8270.M Fri Jun 24 14:11:38 2005 ENV

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

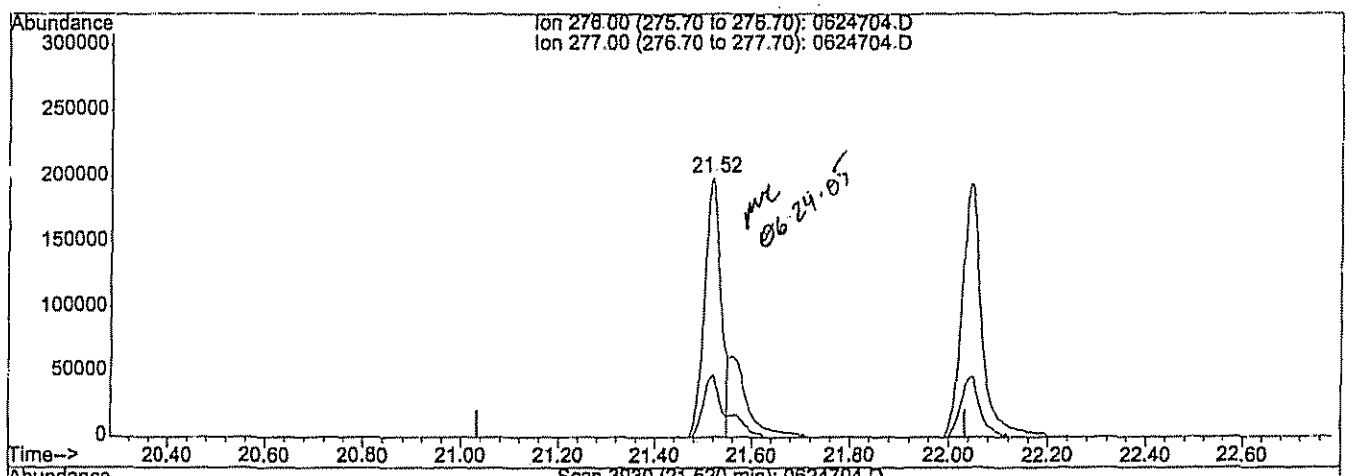
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	144.68#
108.05	58.50	65.77
92.00	43.90	59.52#

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

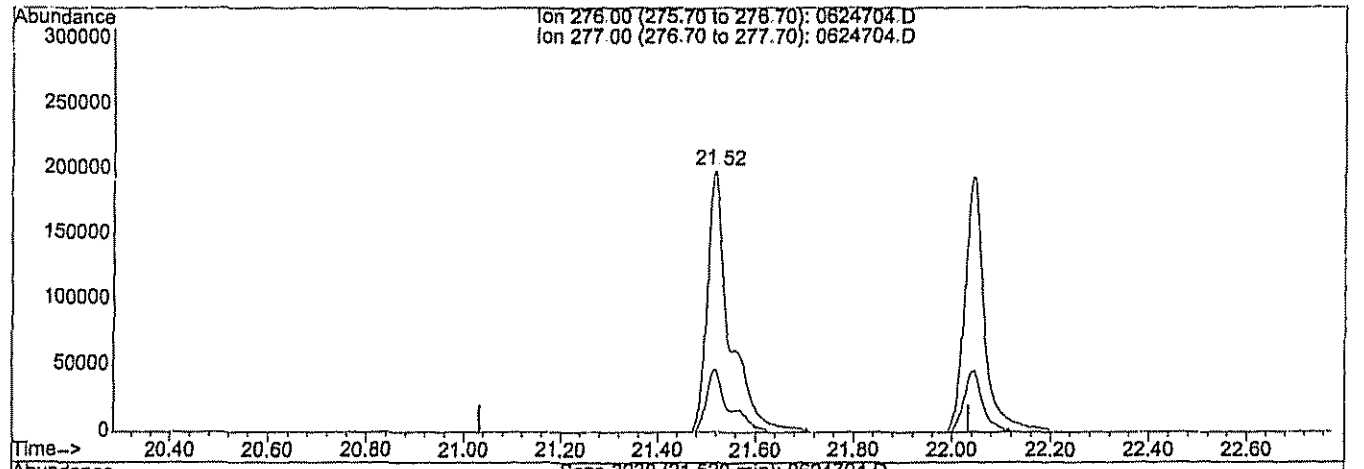
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.80
0.00	0.00	0.00
0.00	0.00	0.00

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

mu 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

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

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

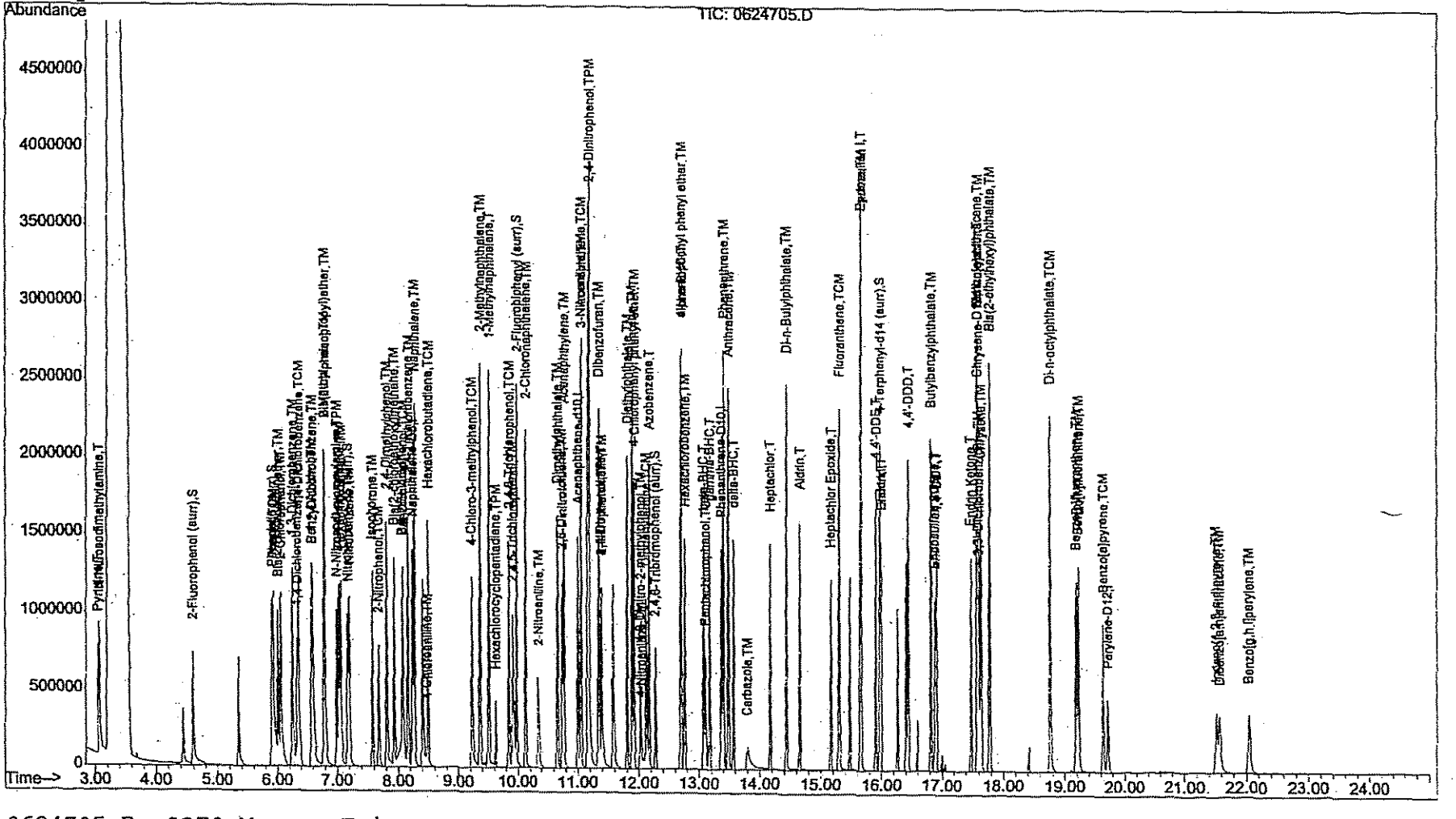
Quantitation Report (QT Reviewed)

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

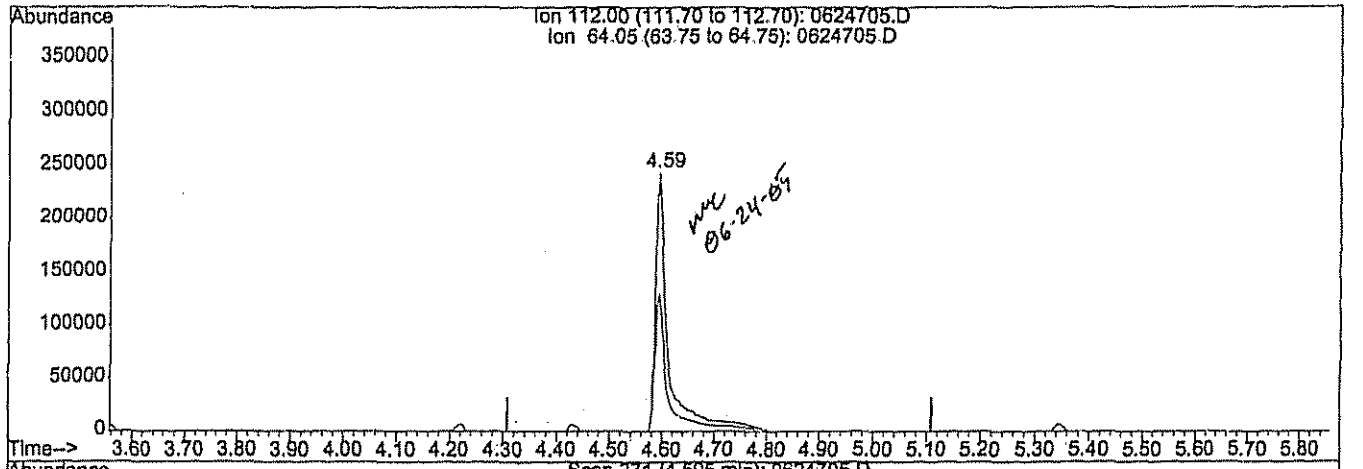
Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

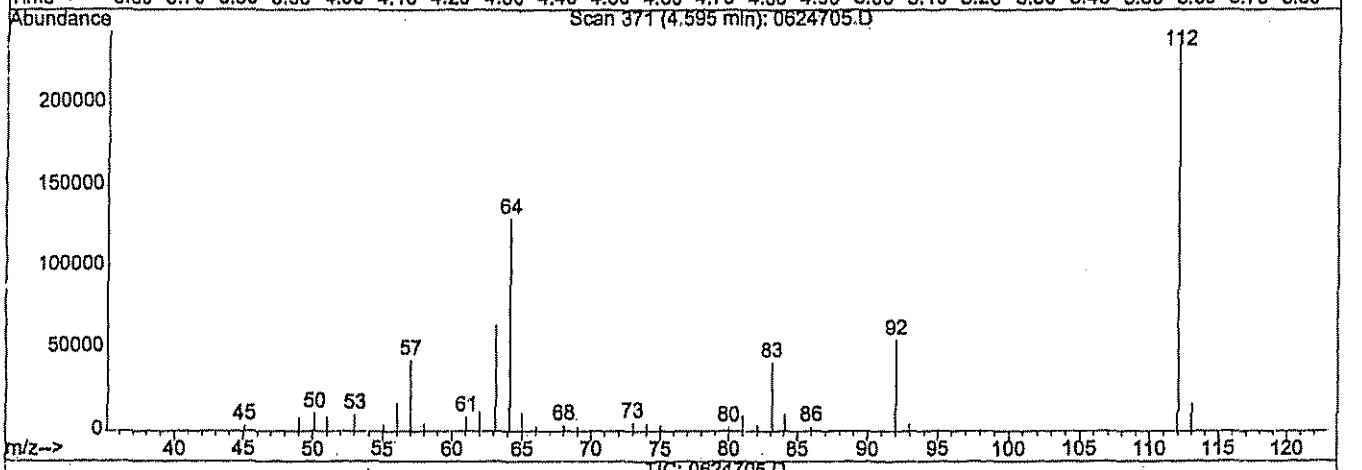


Quantitation Report (Qedit)

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

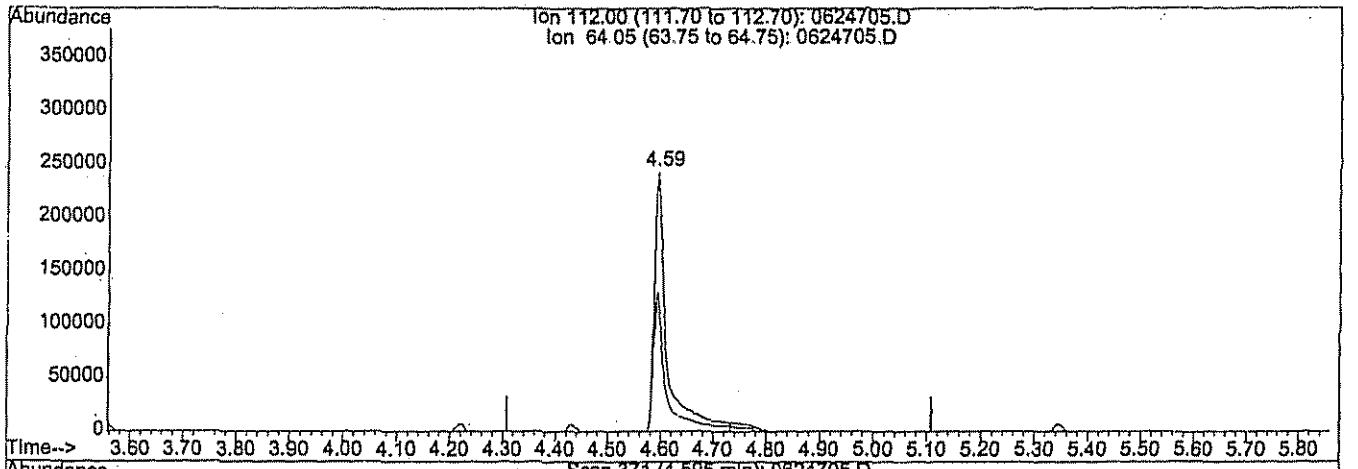
0624705.D 8270.M Fri Jun 24 15:31:13 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624705.D
Acq On : 24 Jun 2005 2:14 pm
Sample : SVCAL8
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 24 14:39 2005

Vial: 5
Operator: MRC
Inst : MSD7
Multiplr: 1.00
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

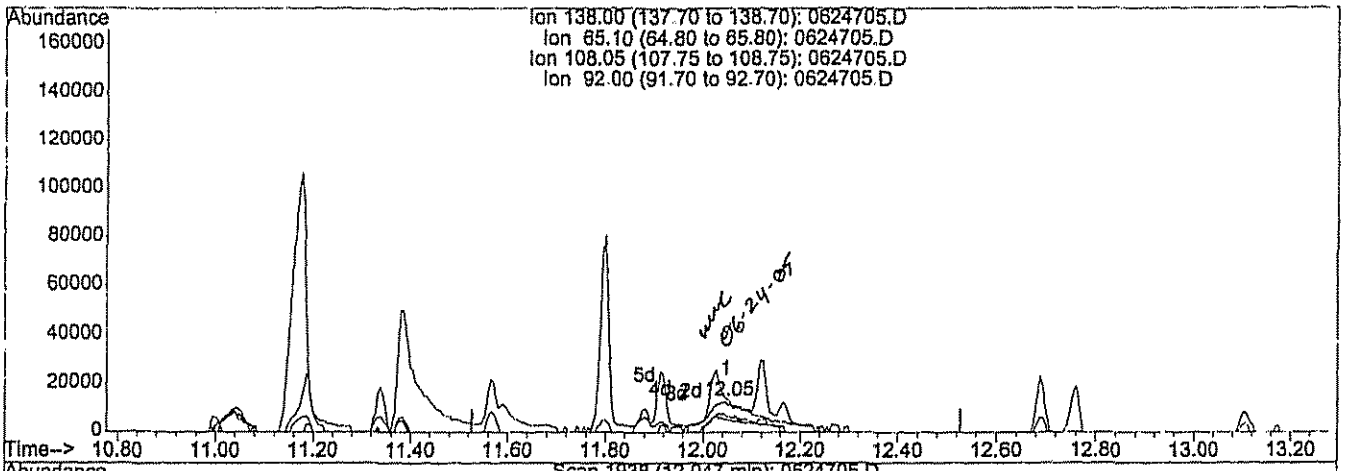
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	56.87
0.00	0.00	0.00
0.00	0.00	0.00

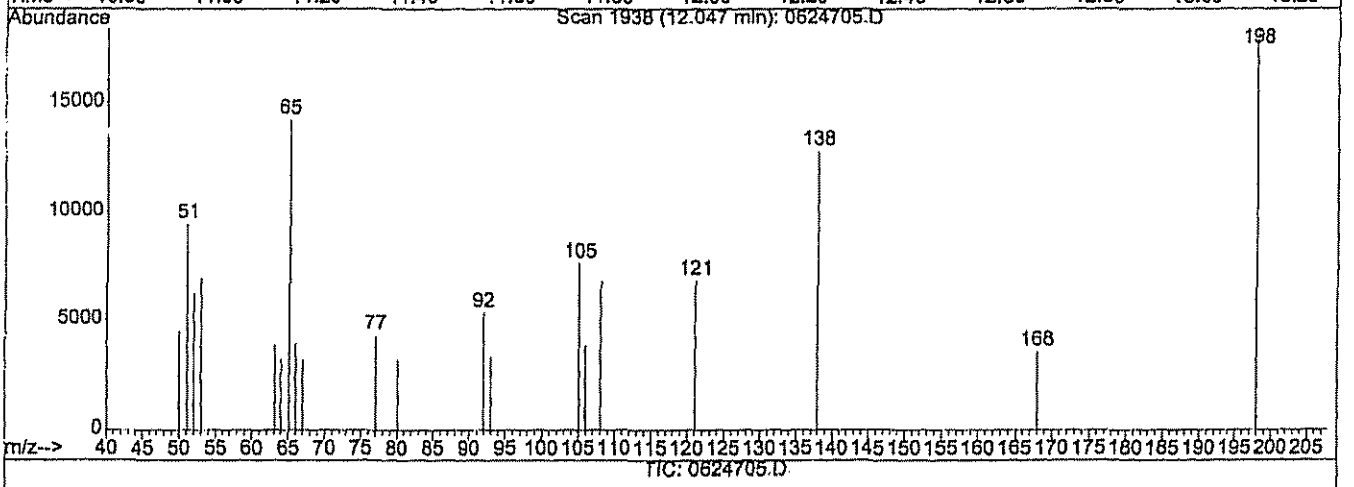
0624705.D 8270.M Fri Jun 24 15:31:09 2005 ENV

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

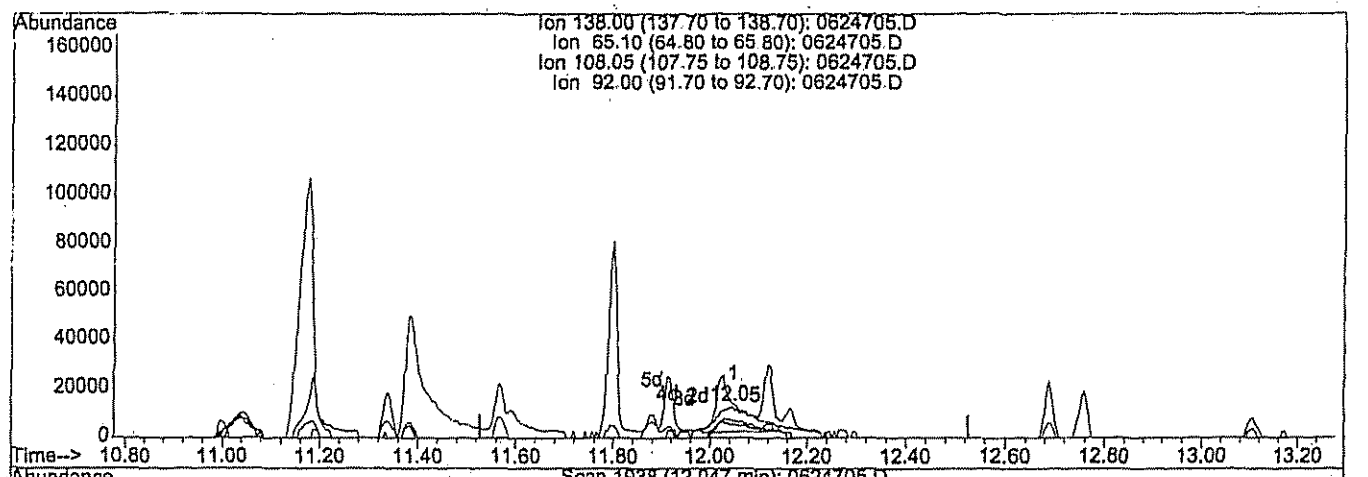
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	111.19
108.05	58.50	53.05
92.00	43.90	42.03

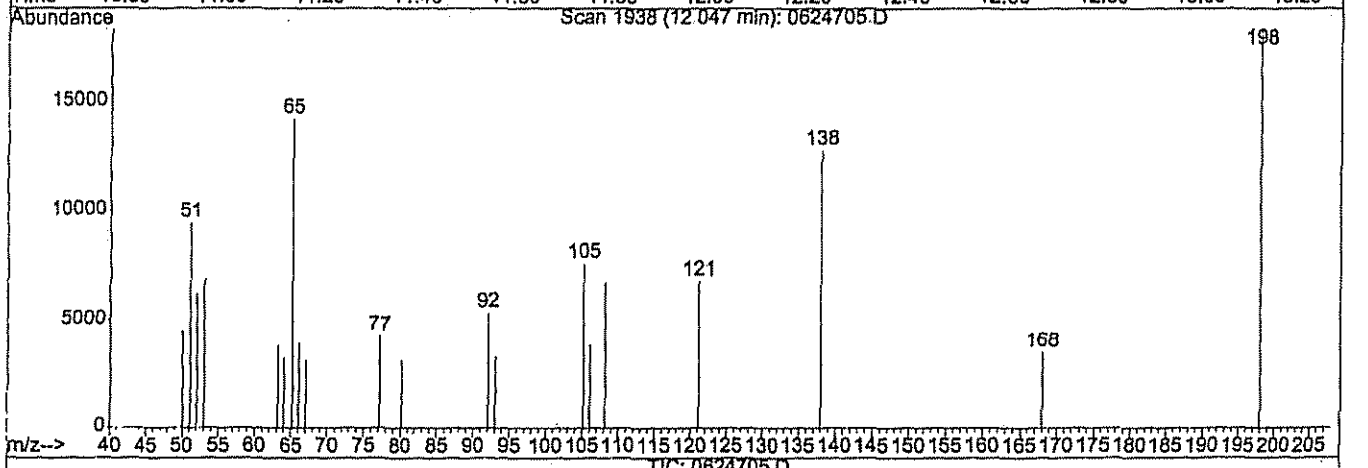
0624705.D 8270.M Fri Jun 24 15:31:43 2005 ENV

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





TIC: 0624705.D

(52) 4-Nitroaniline (TM)

12.05min 3.98ug/mL

response 55405

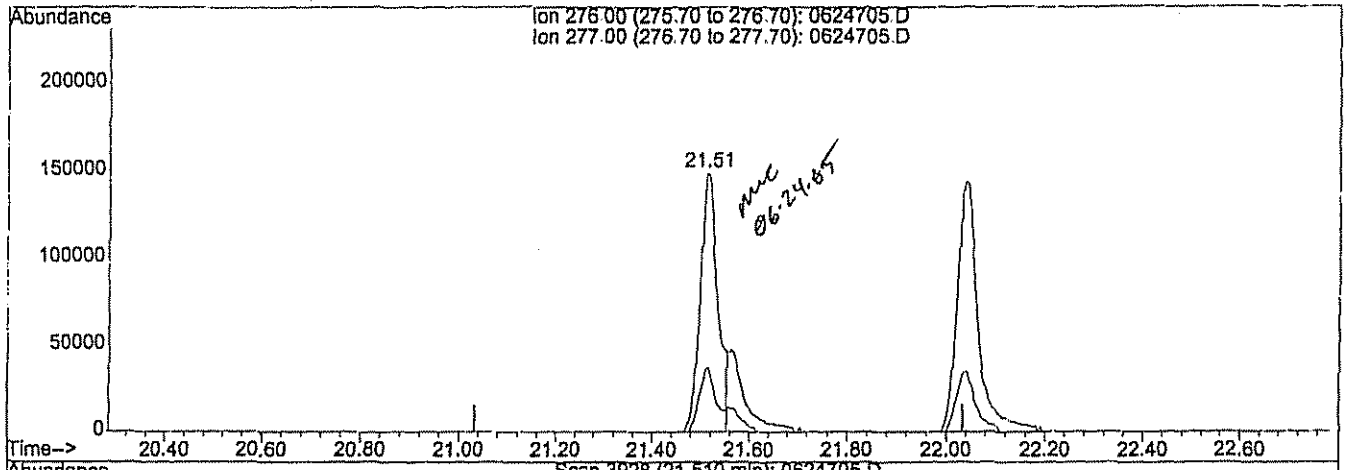
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	109.11
108.05	58.50	69.76
92.00	43.90	55.28#

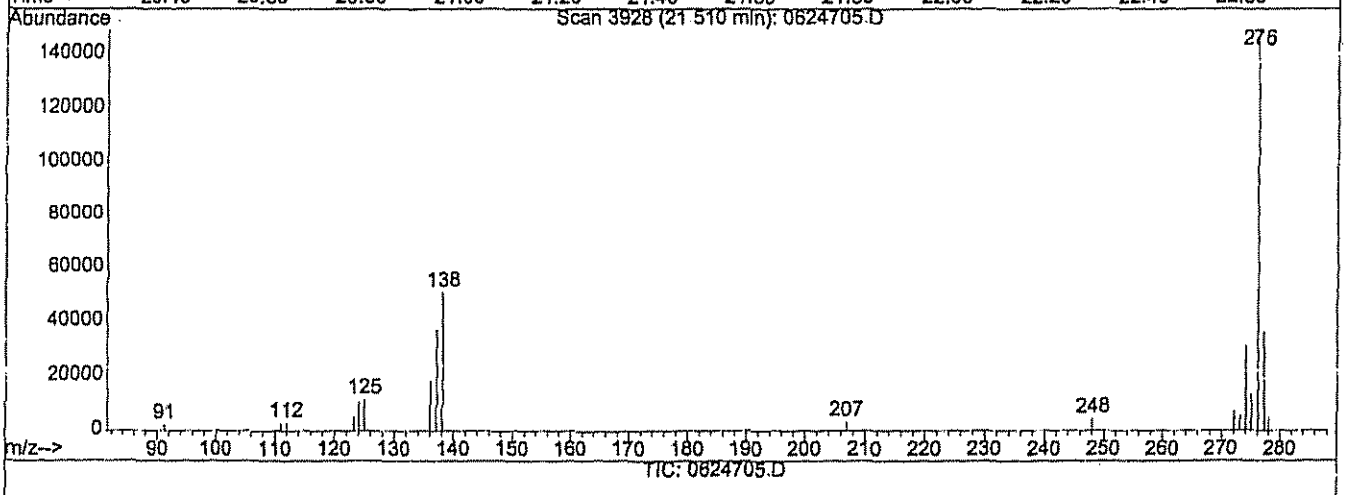
0624705.D 8270.M Fri Jun 24 15:31:39 2005 ENV

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





(98) Indeno(1,2,3-c,d)pyrene (TM)

21.51min 7.01ug/mL m

response 373515

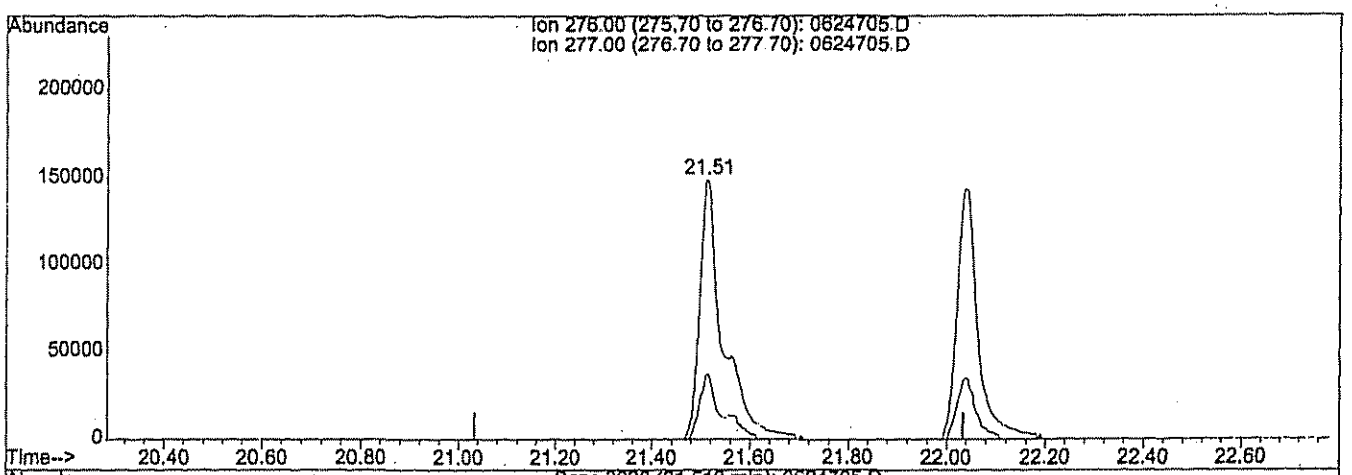
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	24.23
0.00	0.00	0.00
0.00	0.00	0.00

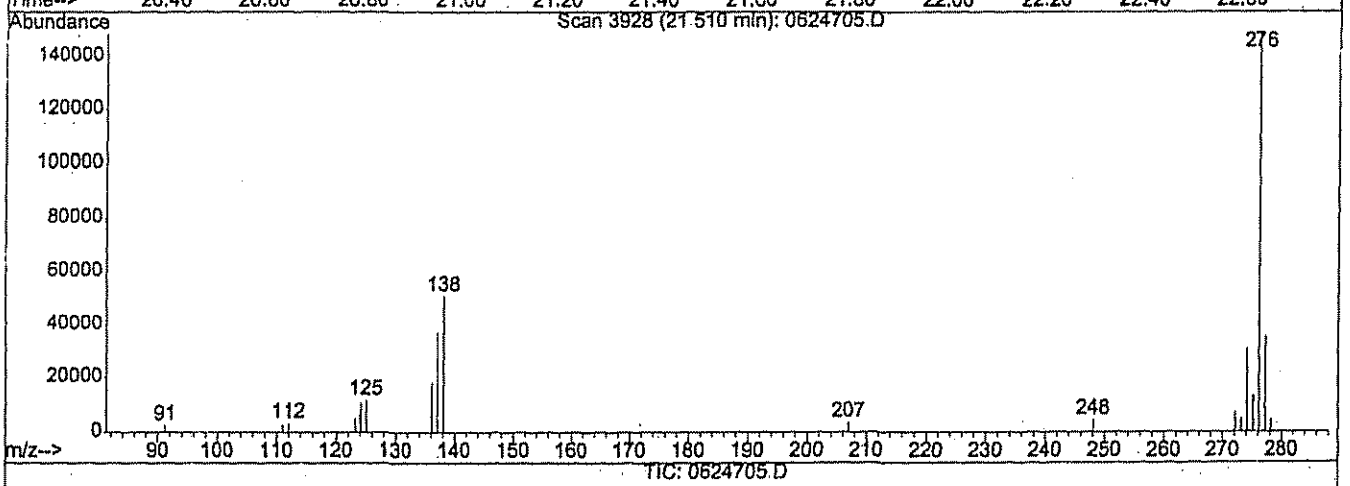
0624705.D 8270.M Fri Jun 24 15:32:11 2005 ENV

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

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

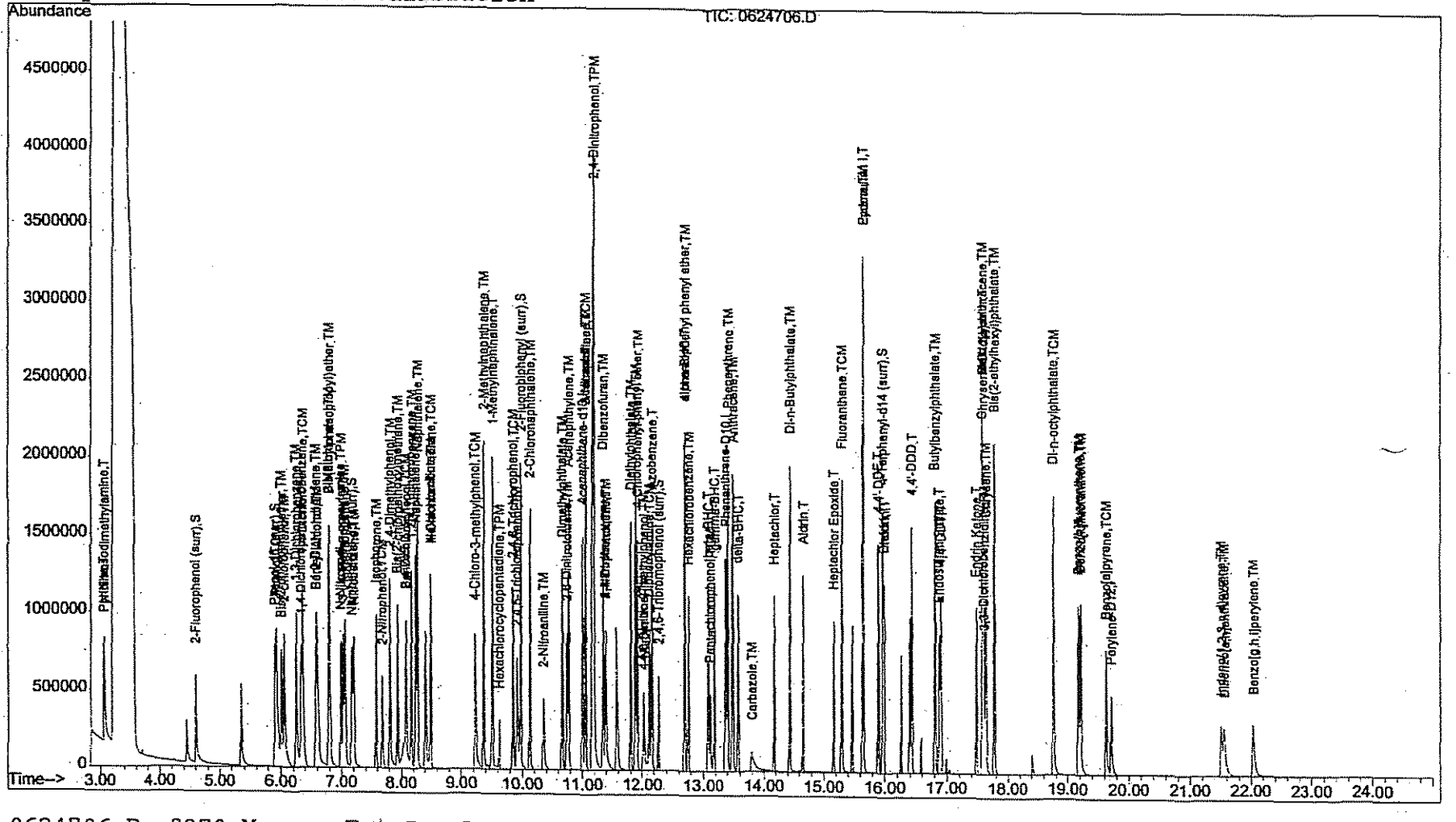
Quantitation Report (QT Reviewed)

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

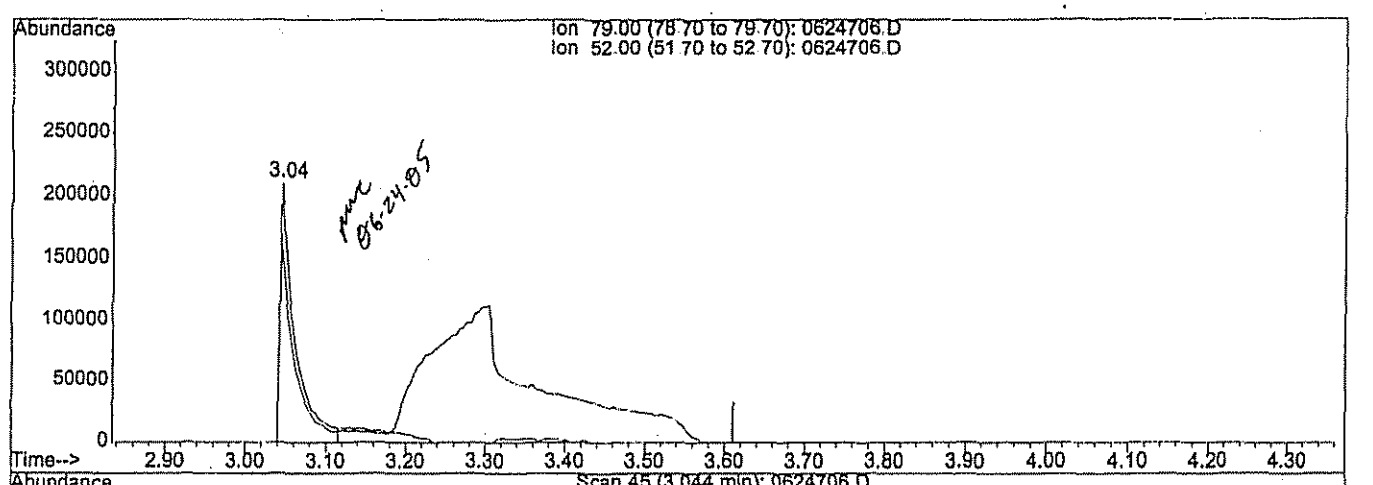


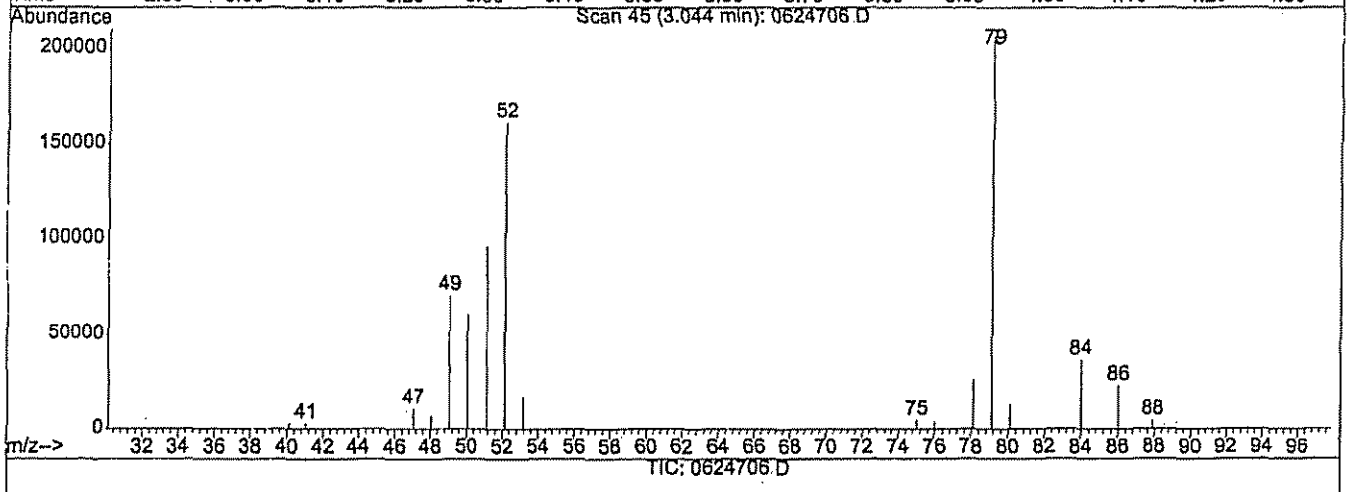
0624706.D 8270.M Fri Jun 24 17:13:12 2005 ENV

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





TIC: 0624706.D

(2) Pyridine (T)

3.04min 6.13ug/mL m

response 269200

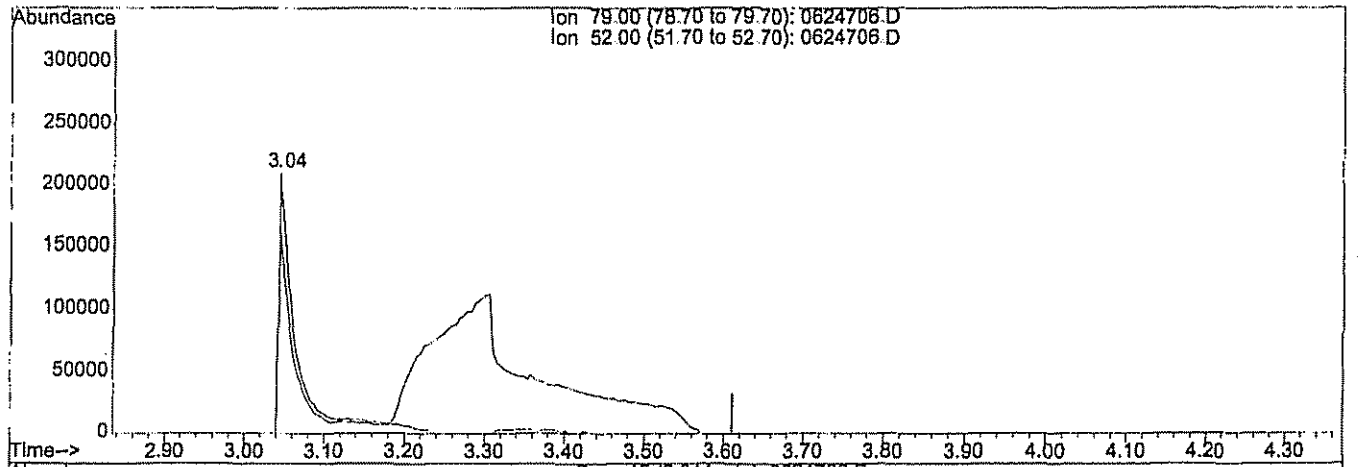
Ion	Exp%	Act%
79.00	100	100
52.00	73.40	76.51
0.00	0.00	0.00
0.00	0.00	0.00

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



TIC: 0624706.D

(2) Pyridine (T)

3.04min 7.41ug/mL

response 325051

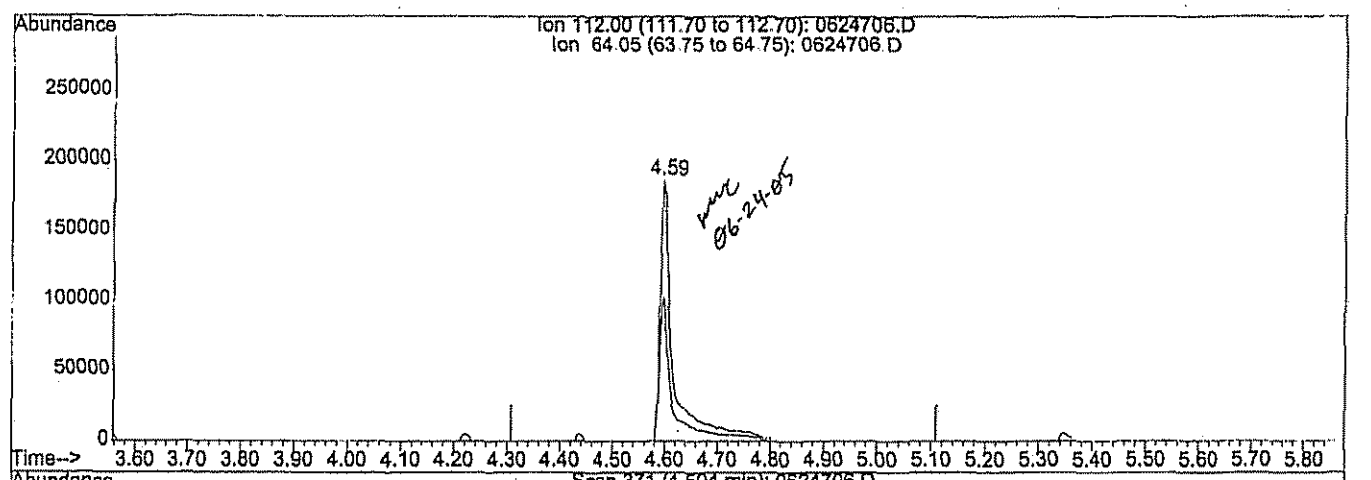
Ion	Exp%	Act%
79.00	100	100
52.00	73.40	63.37
0.00	0.00	0.00
0.00	0.00	0.00

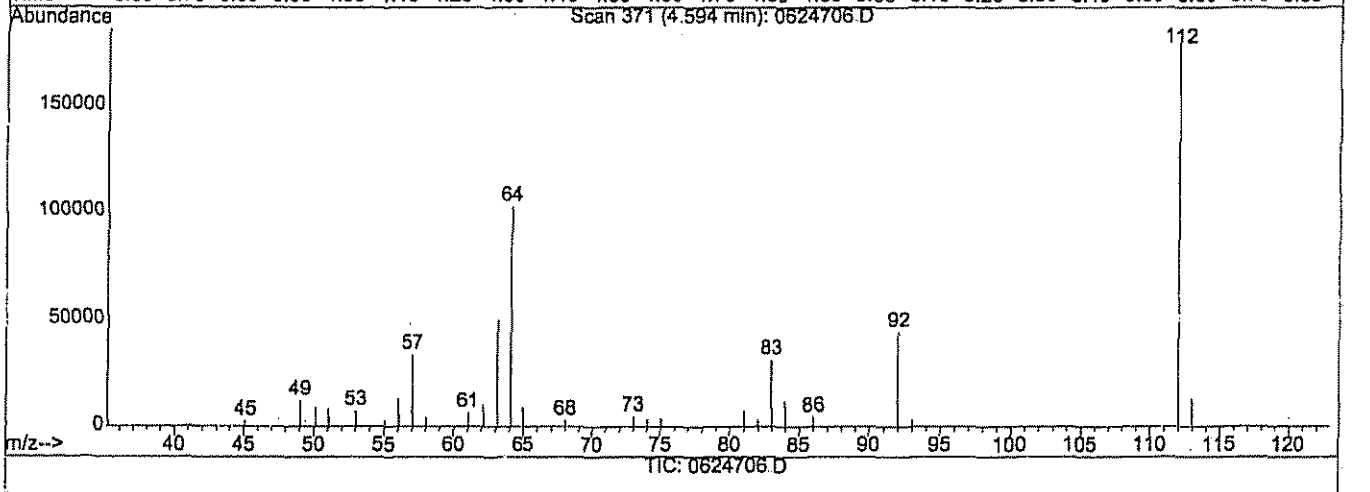
0624706.D 8270.M Fri Jun 24 15:32:38 2005 ENV

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





TIC: 0624706.D

(16) 2-Fluorophenol (surr) (S)

4.59min 6.15ug/mL m

response 337742

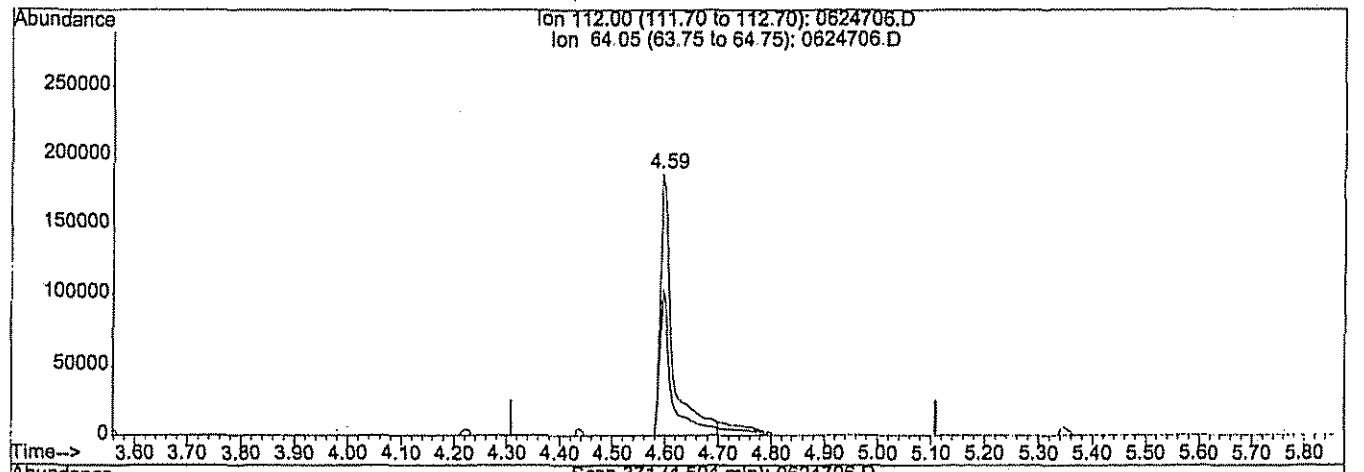
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	54.70
0.00	0.00	0.00
0.00	0.00	0.00

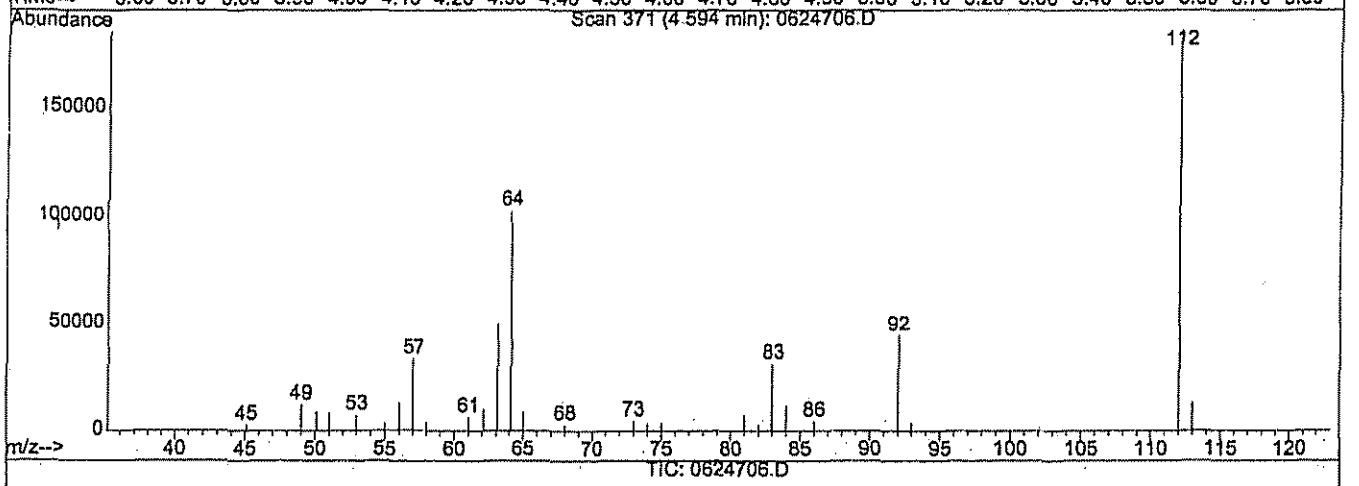
0624706.D 8270.M Fri Jun 24 15:32:58 2005 ENV

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





TIC: 0624706.D

(16) 2-Fluorophenol (surr) (S)

4.59min 5.51ug/mL

response 302920

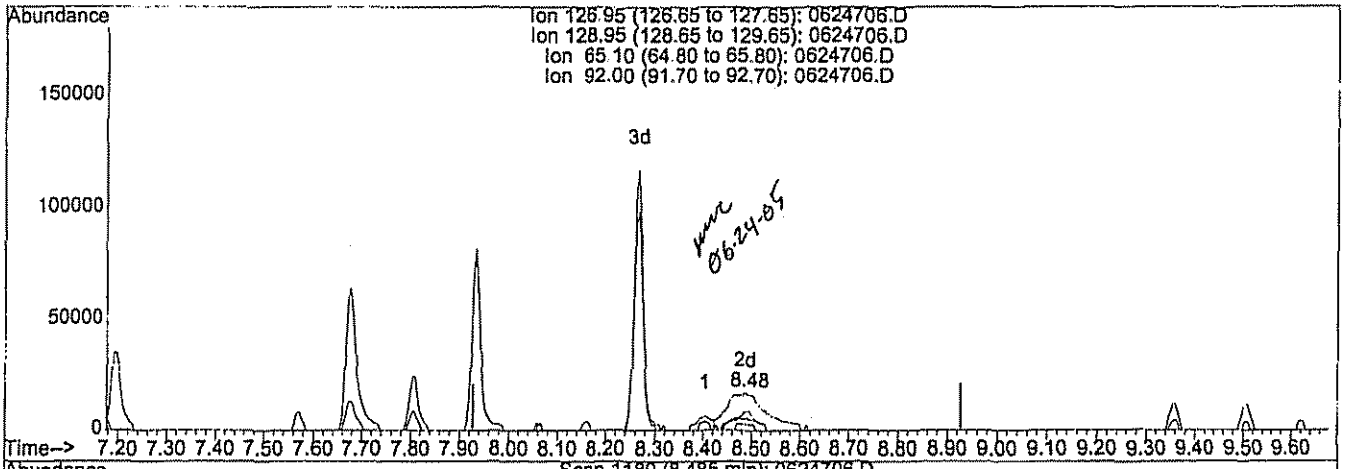
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	60.98#
0.00	0.00	0.00
0.00	0.00	0.00

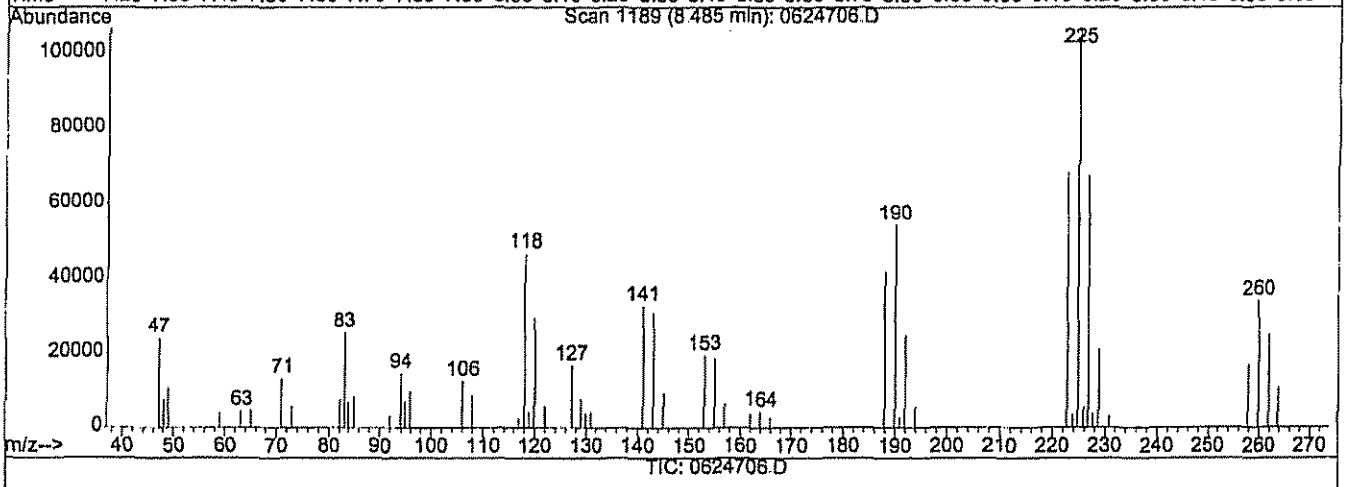
0624706.D 8270.M Fri Jun 24 15:32:54 2005 ENV

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

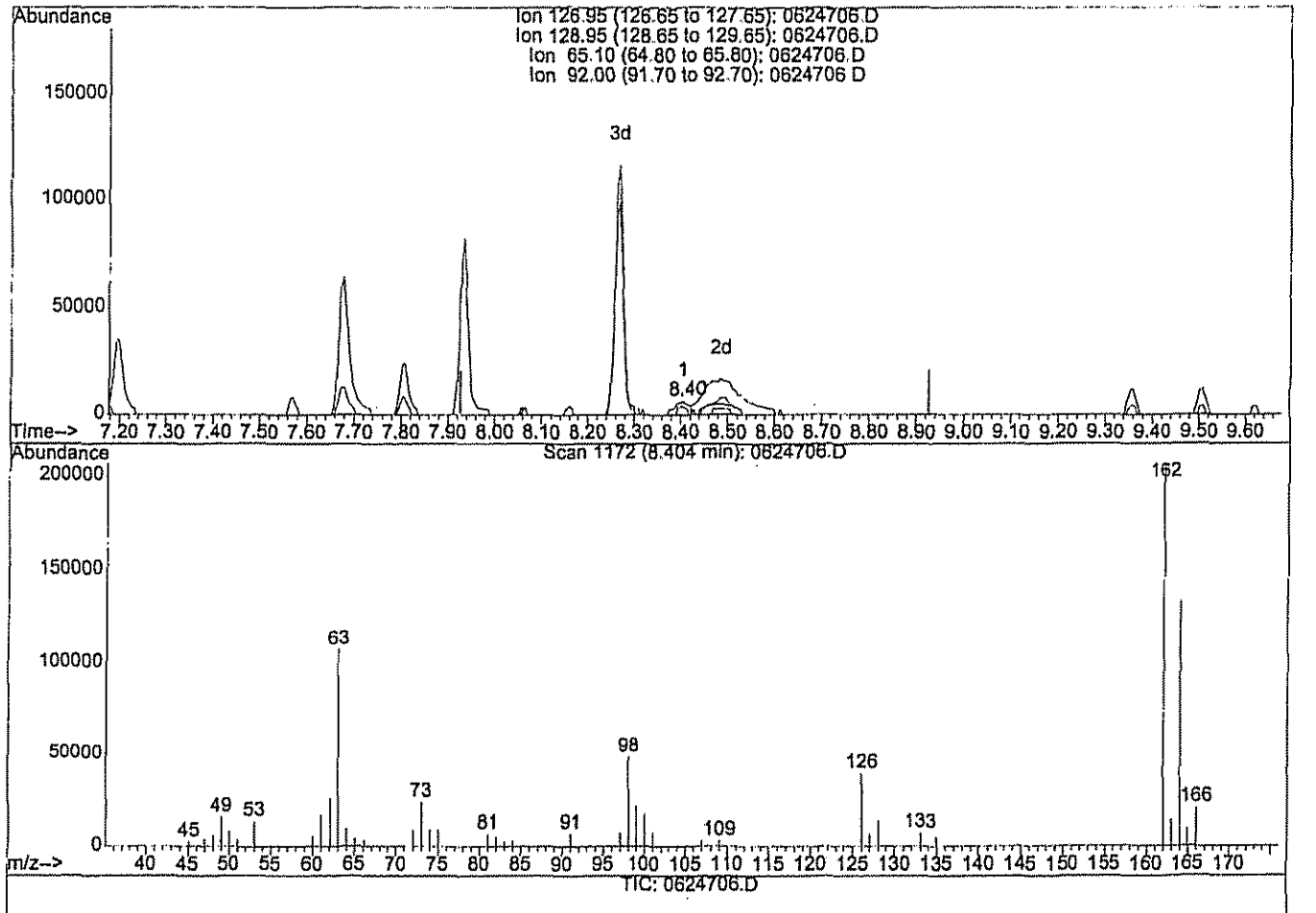
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	45.61#
65.10	28.40	28.71
92.00	16.90	18.18

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



(28) 4-Chloroaniline (TM)

8.40min 0.43ug/mL

response 13967

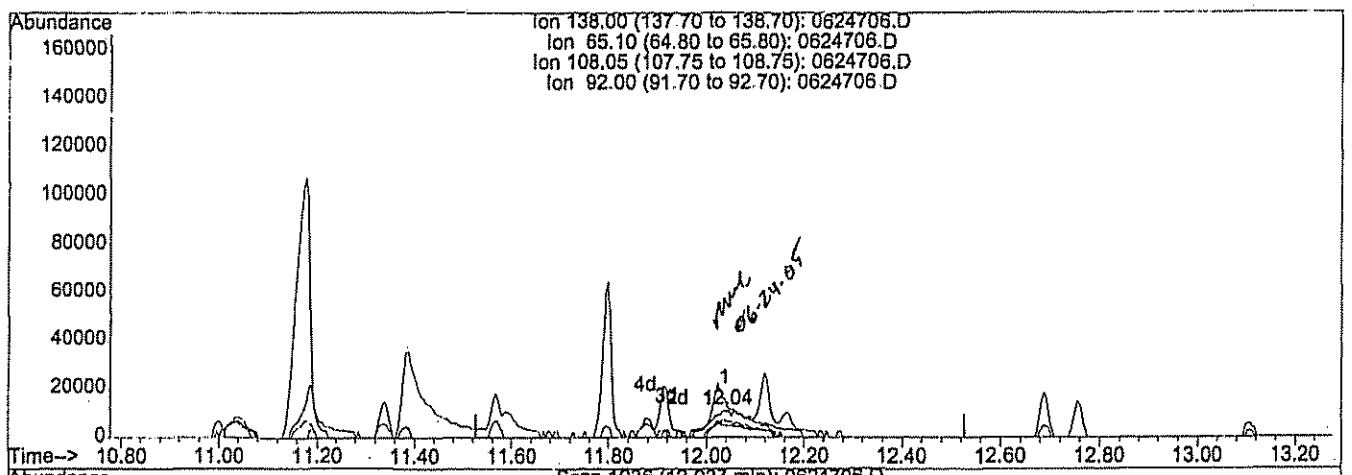
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	0.00#
65.10	28.40	61.62#
92.00	16.90	0.00#

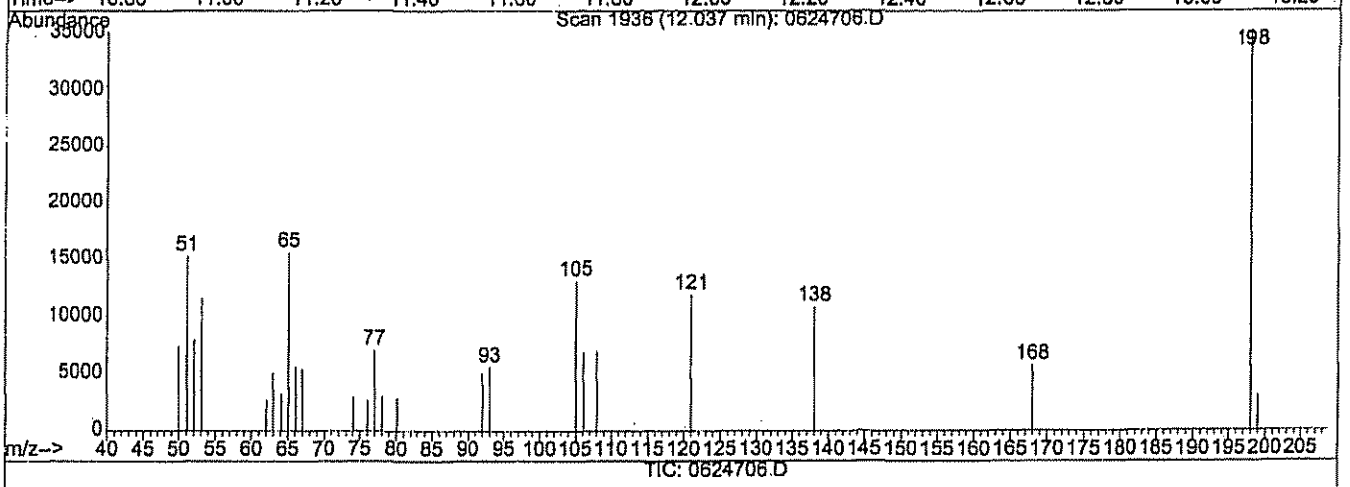
0624706.D 8270.M Fri Jun 24 15:33:06 2005 ENV

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





(52) 4-Nitroaniline (TM)

12.04min 5.96ug/mL m

response 79516

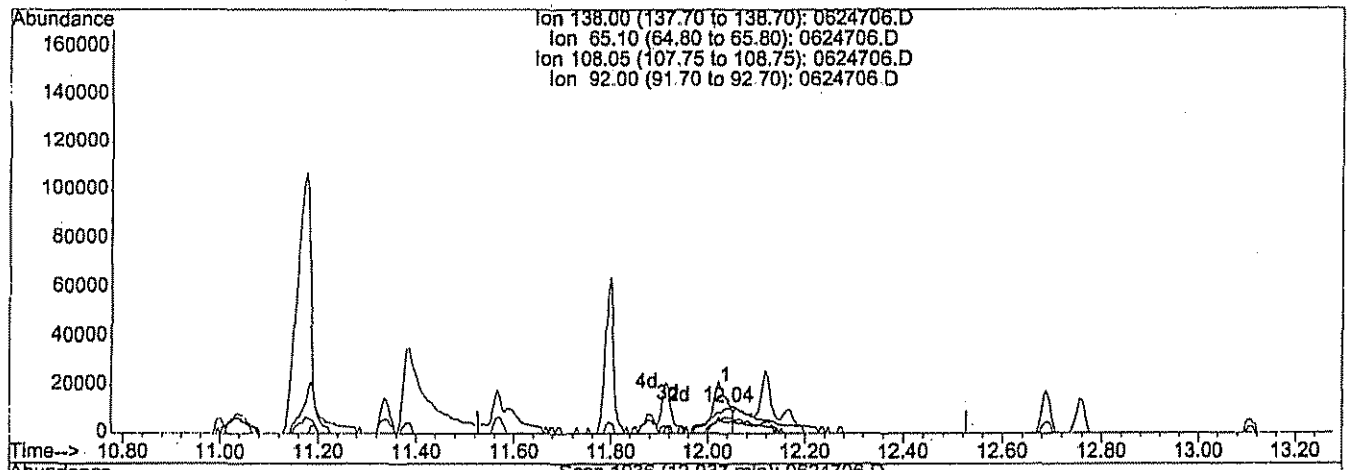
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	143.41#
108.05	58.50	63.78
92.00	43.90	46.87

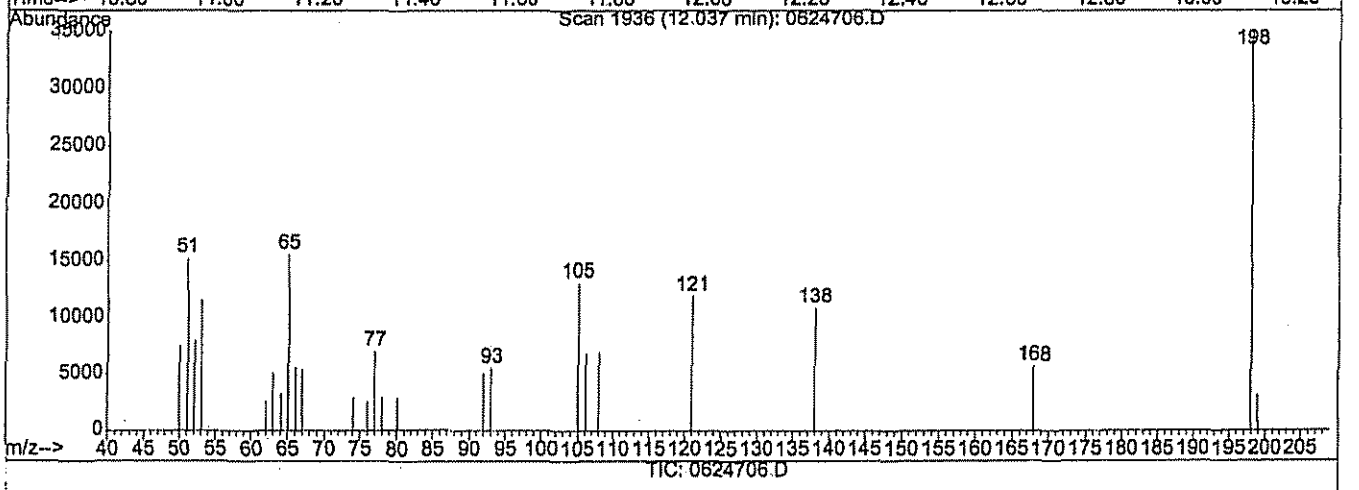
0624706.D 8270.M Fri Jun 24 15:33:30 2005 ENV

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

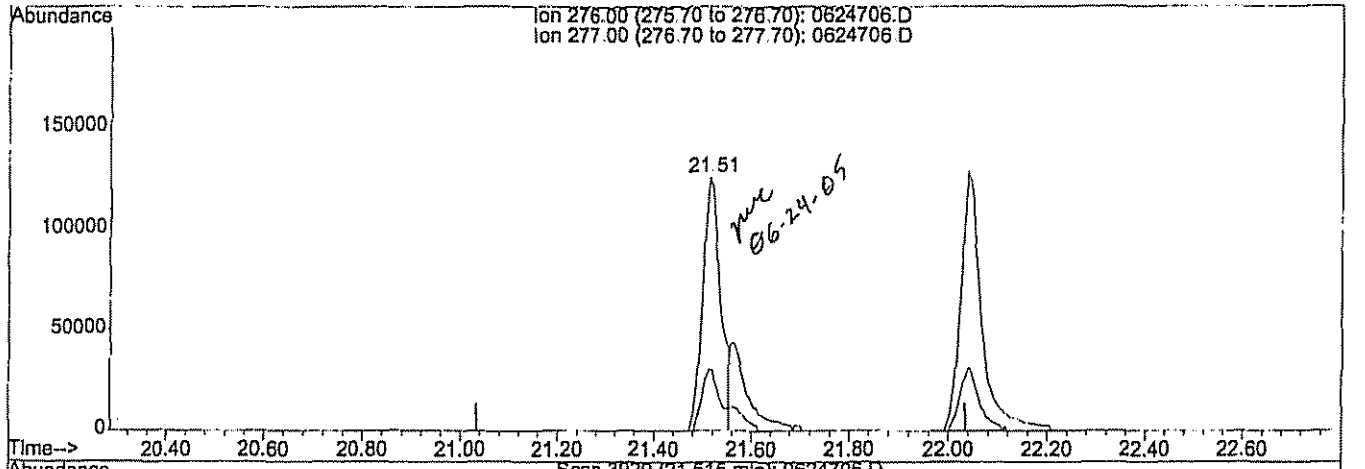
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	143.41#
108.05	58.50	63.78
92.00	43.90	46.87

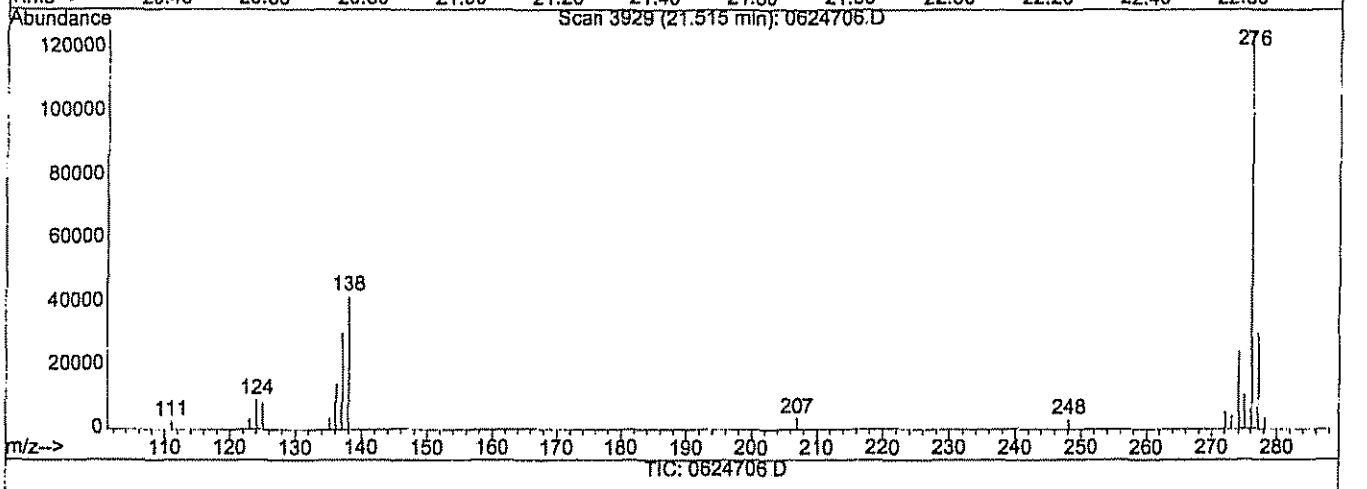
0624706.D 8270.M Fri Jun 24 15:33:25 2005 ENV

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

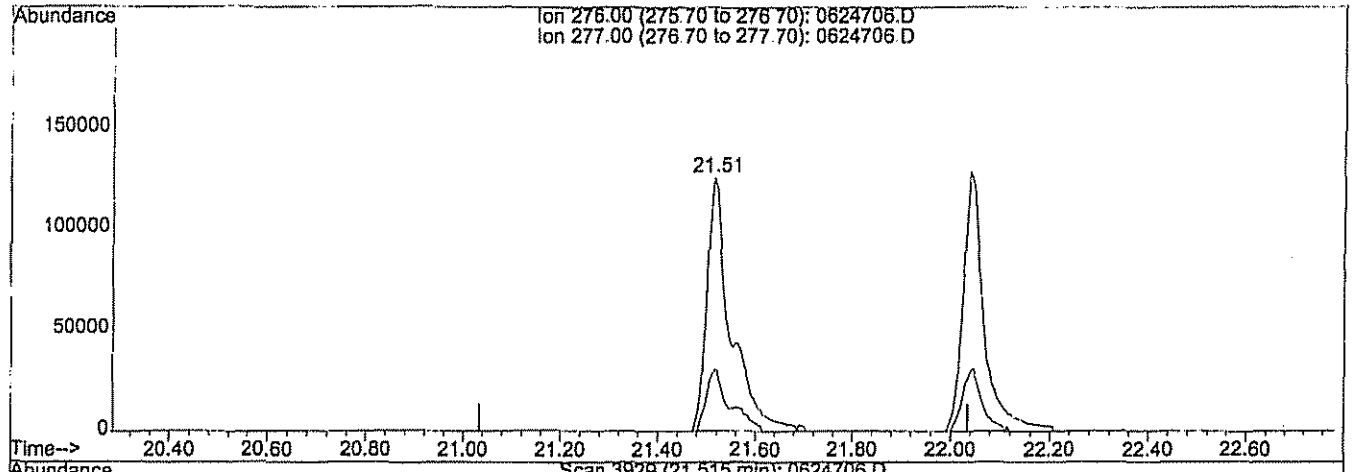
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	24.25
0.00	0.00	0.00
0.00	0.00	0.00

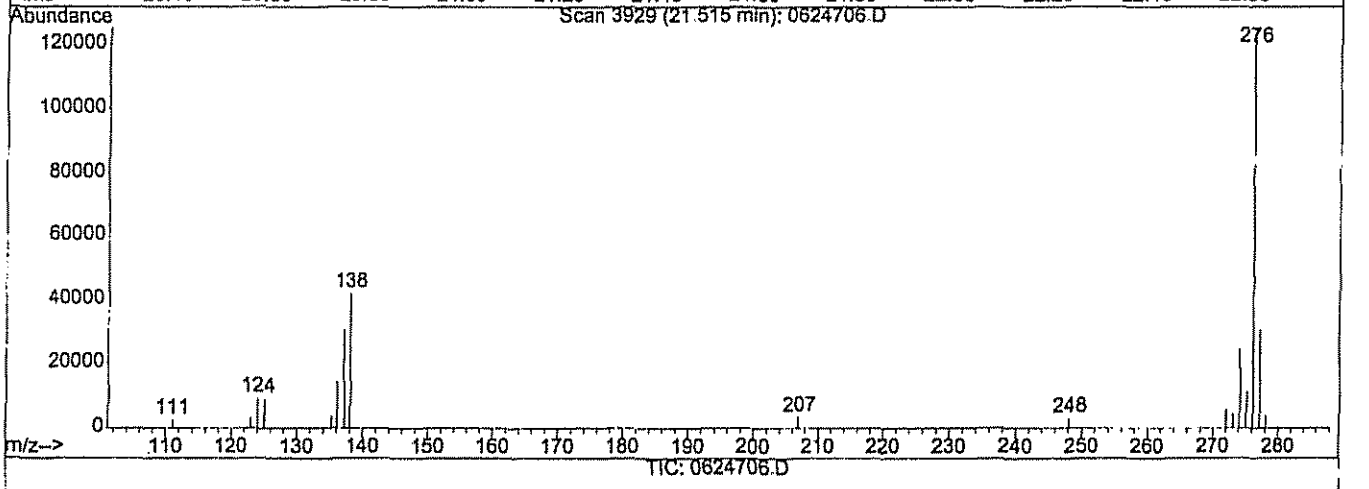
0624706.D 8270.M Fri Jun 24 15:34:01 2005 ENV

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

MRC 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

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

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

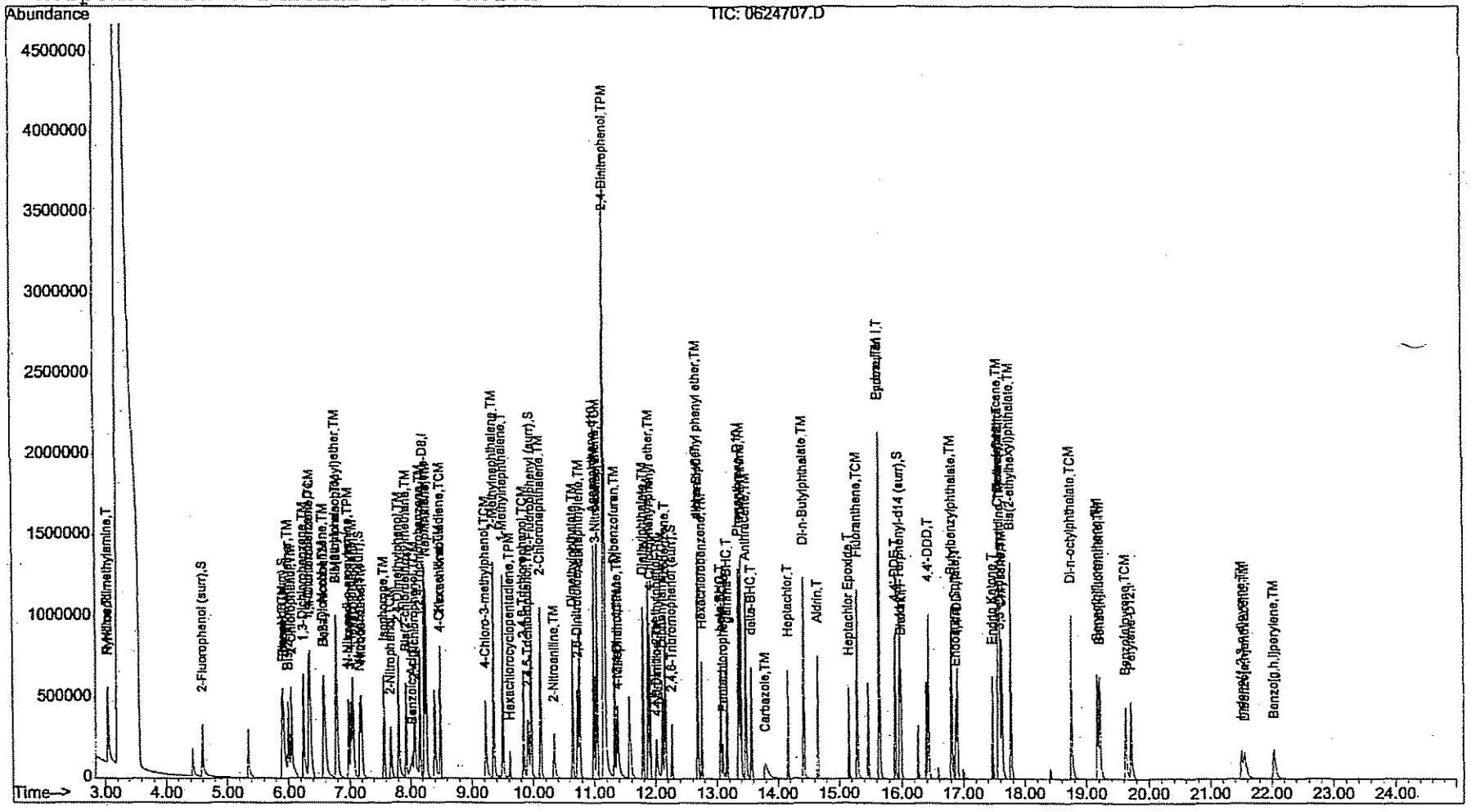
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Heptachlor	14.17	100	95660	4.62	ug/mL	89
72)	Aldrin	14.65	66	93647	4.79	ug/mL	88
73)	Heptachlor Epoxide	15.17	353	38101	4.10	ug/mL	98
74)	Endosulfan I	15.65	195	25186	5.07	ug/mL#	84
75)	4,4'-DDE	15.90	246	146817	4.34	ug/mL	100
76)	Dieldrin	15.99	79	123412	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

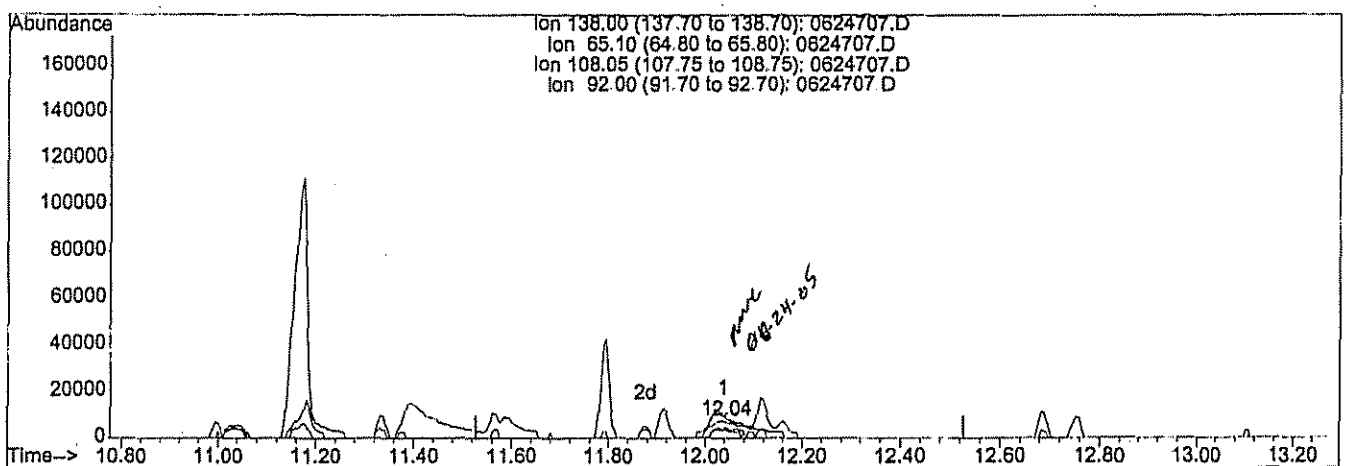
Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

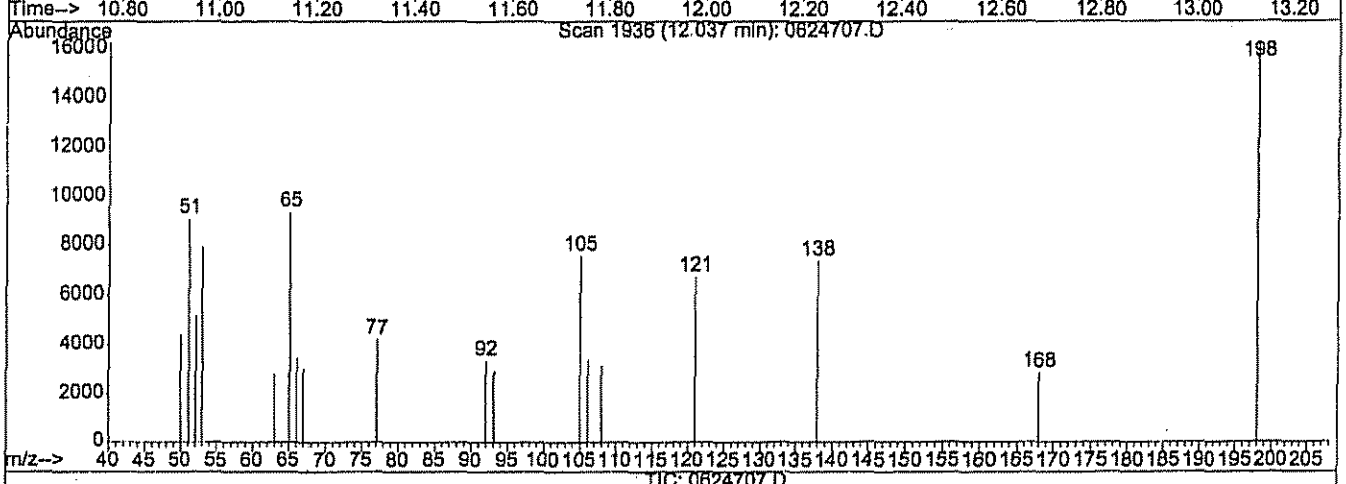


Quantitation Report (Qedit)

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





TIC: 0624707.D

(52) 4-Nitroaniline (TM)

12.04min 3.48ug/mL m

response 45783

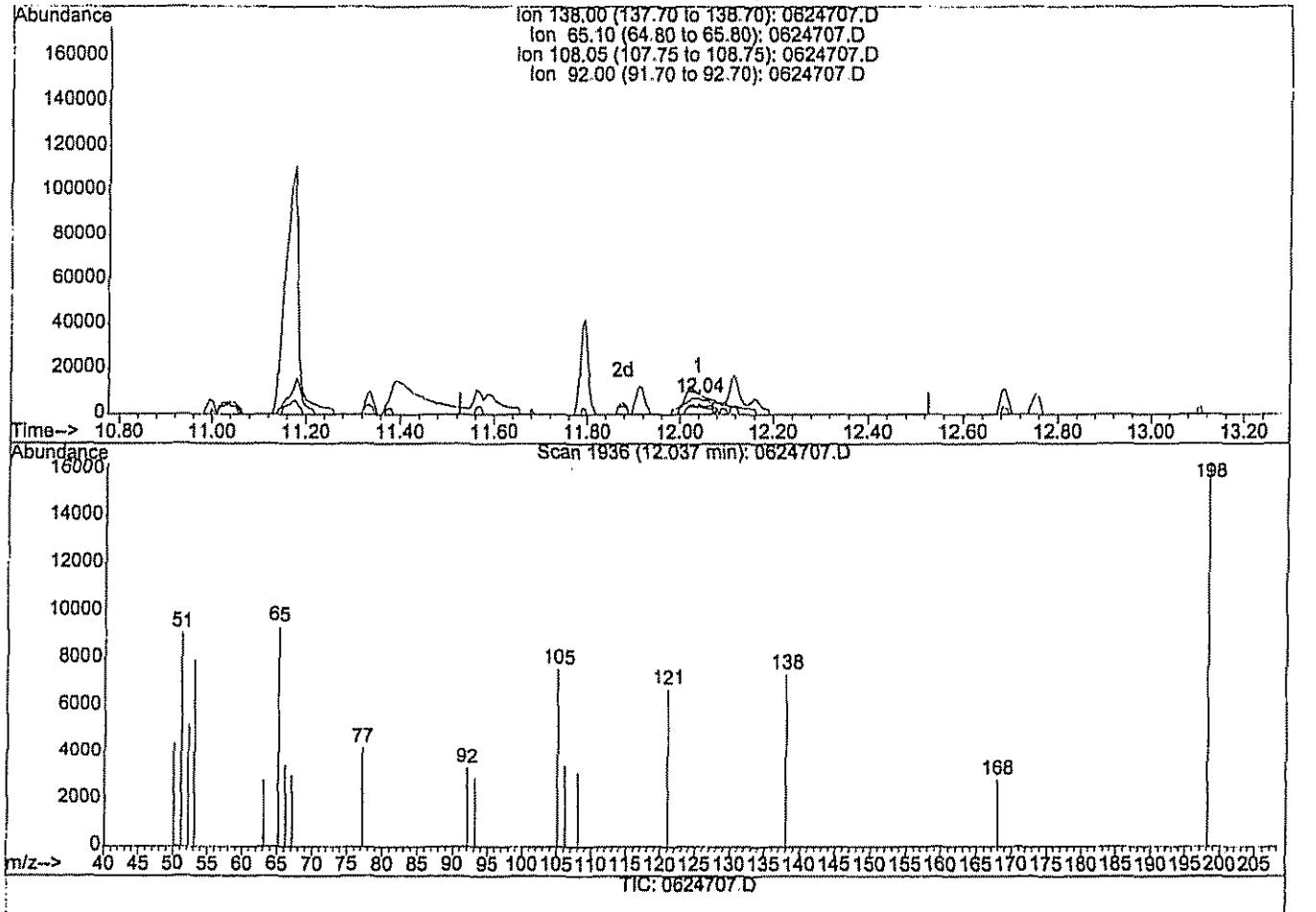
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	126.89
108.05	58.50	42.86#
92.00	43.90	45.43

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

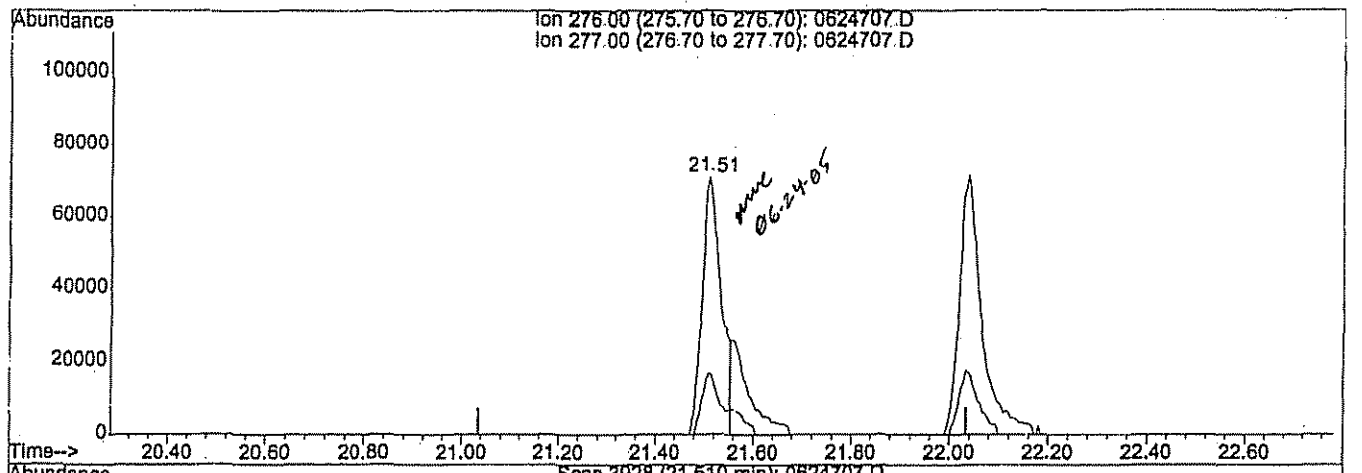
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	93.52
108.05	58.50	42.86#
92.00	43.90	45.43

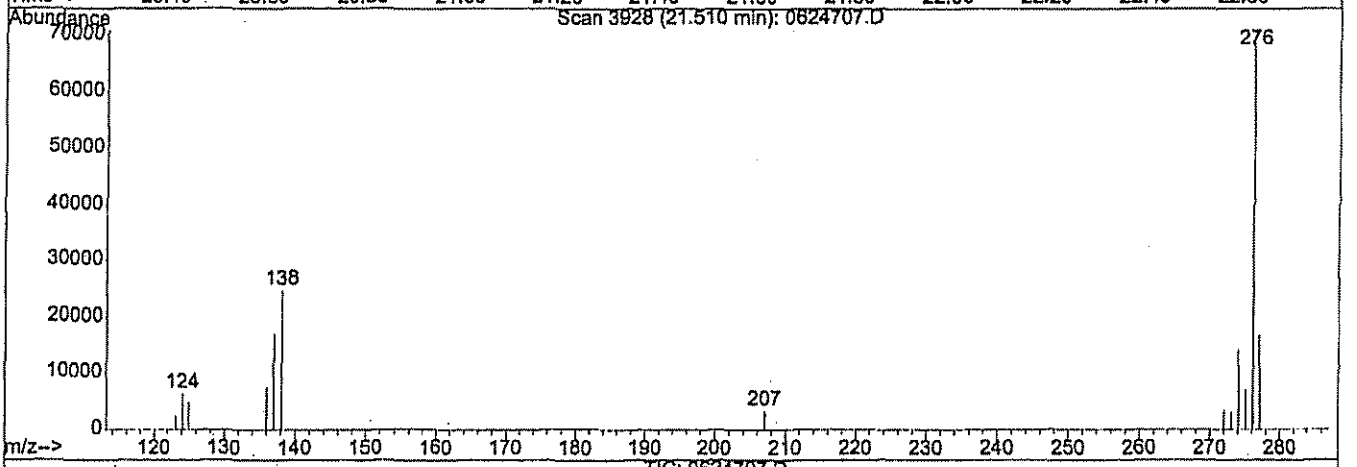
0624707.D 8270.M Fri Jun 24 16:24:30 2005 ENV

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

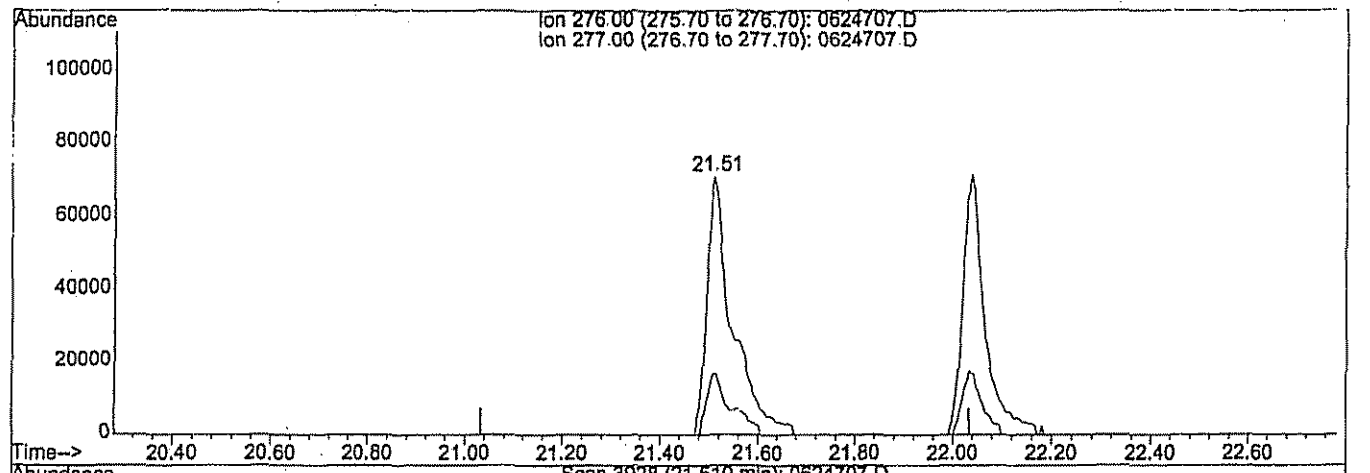
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.57
0.00	0.00	0.00
0.00	0.00	0.00

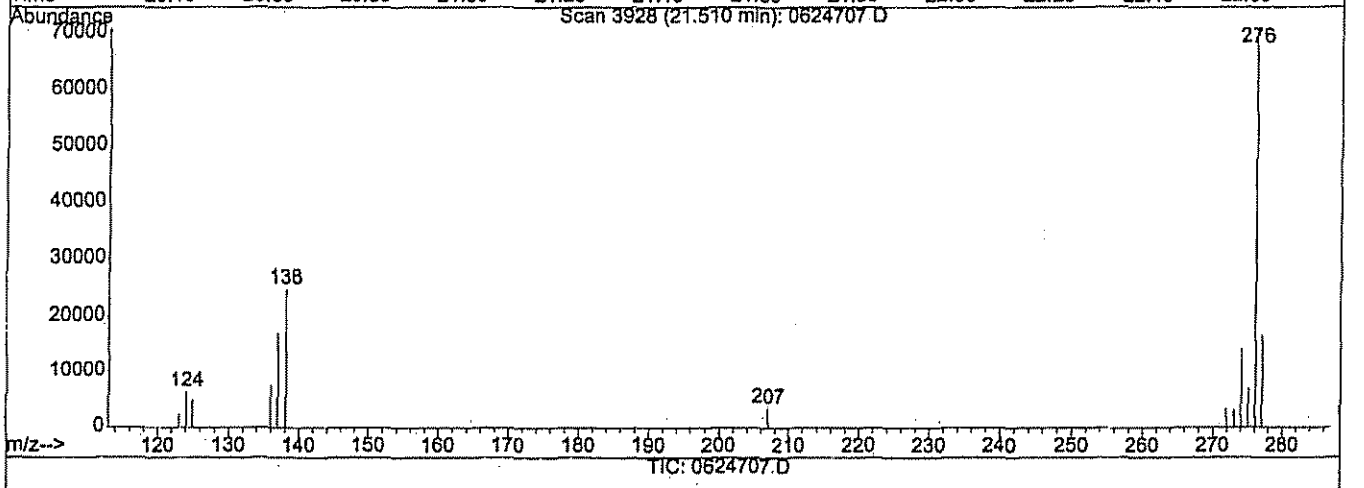
0624707.D 8270.M Fri Jun 24 16:25:05 2005 ENV

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

mc 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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7062405\0624708.D
Acq On : 24 Jun 2005 3:57 pm
Sample : SVCAL2
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 24 16:22:47 2005

Vial: 8
Operator: MRC
Inst : MSD7
Multiplr: 1.00
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

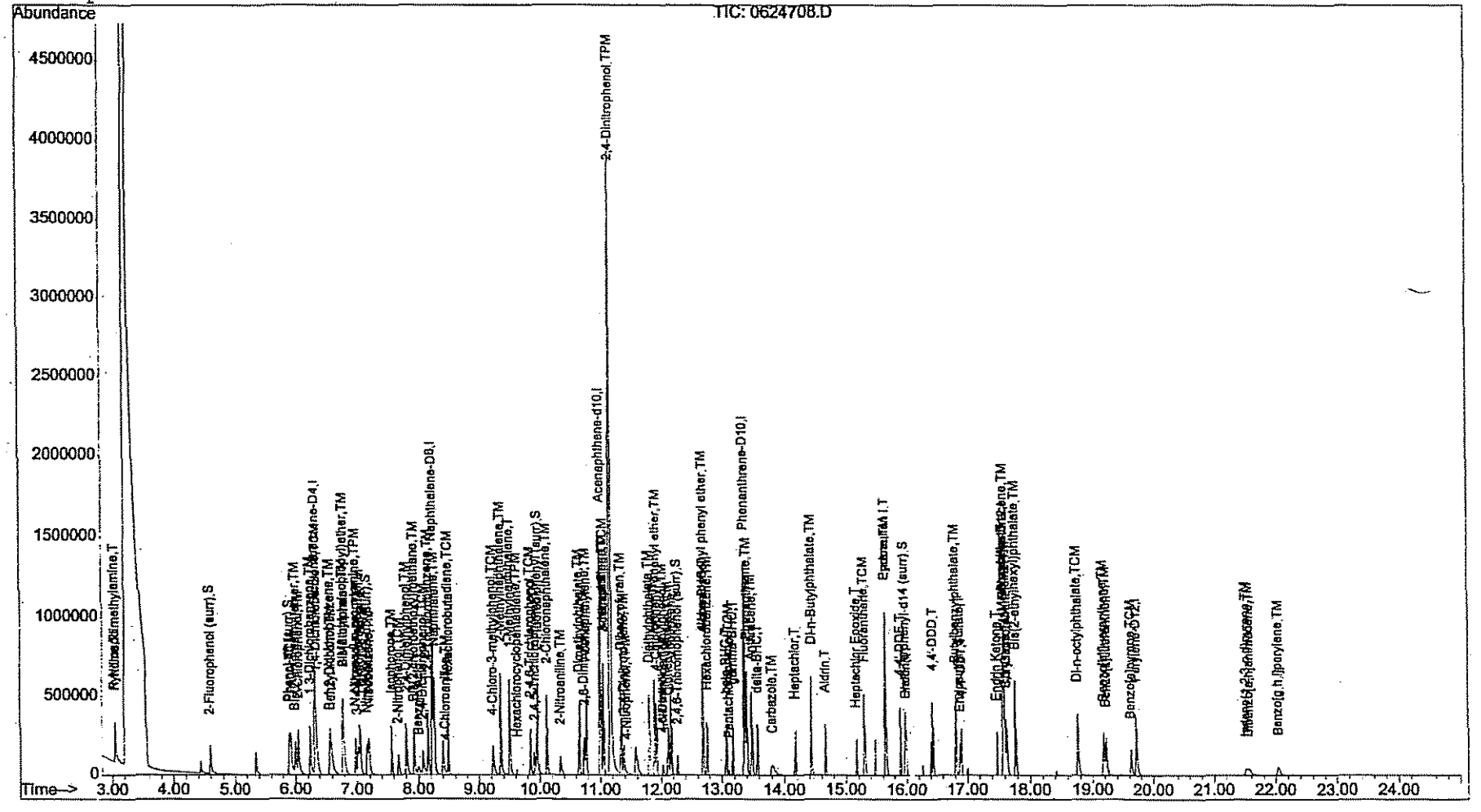
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.17	100	48596	2.30 ug/mL	89
72)	Aldrin	14.65	66	50213	2.52 ug/mL	86
73)	Heptachlor Epoxide	15.17	353	18319	1.93 ug/mL	100
74)	Endosulfan I	15.64	195	12675	2.50 ug/mL#	72
75)	4,4'-DDE	15.89	246	74456	2.16 ug/mL	99
76)	Dieldrin	15.99	79	67126	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

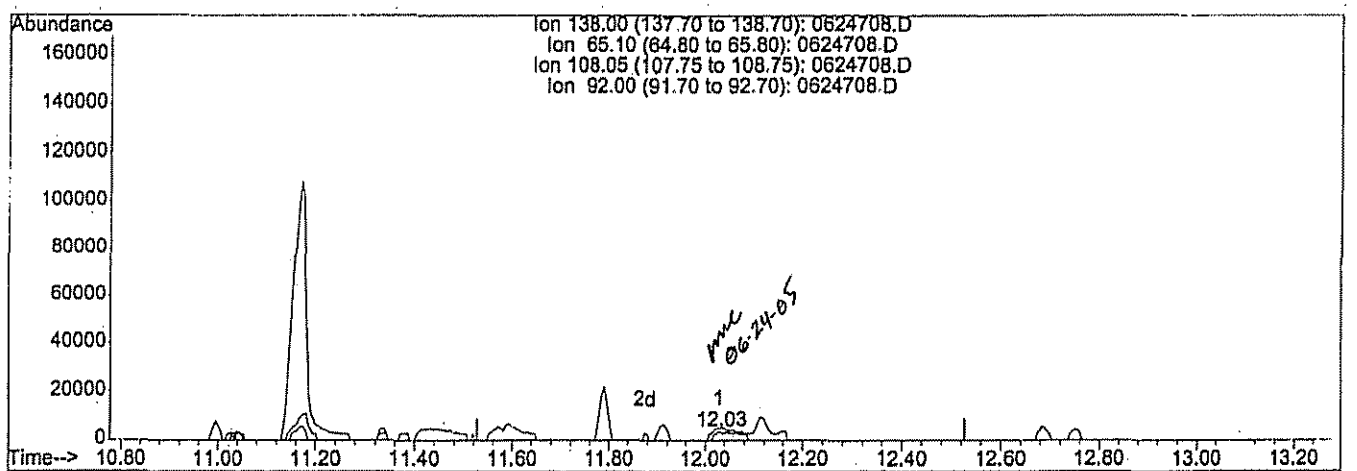
Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

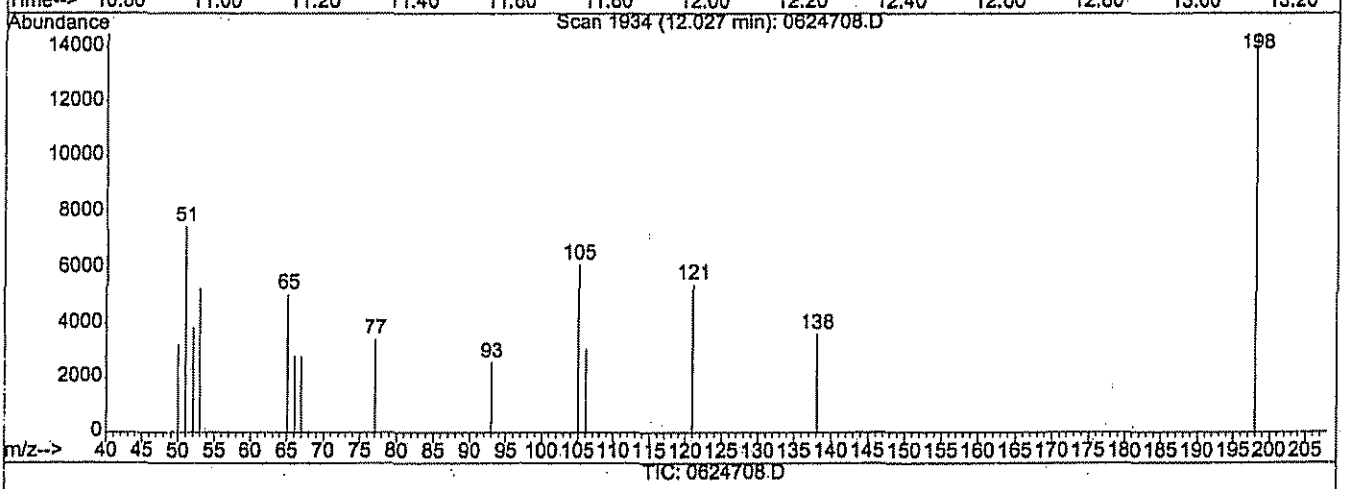


Quantitation Report (Qedit)

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

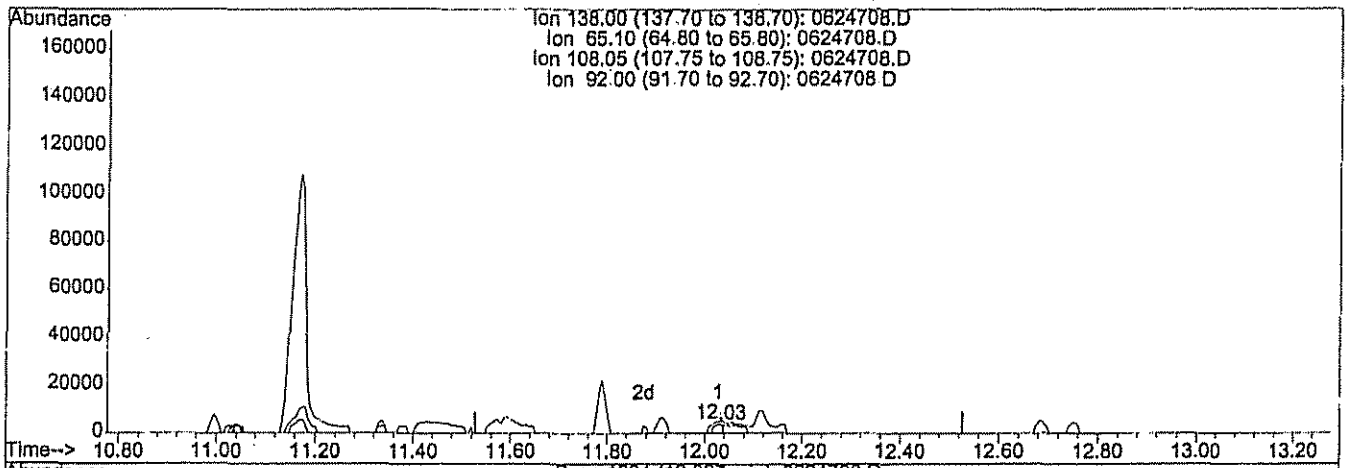
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	139.79#
108.05	58.50	0.00#
92.00	43.90	0.00#

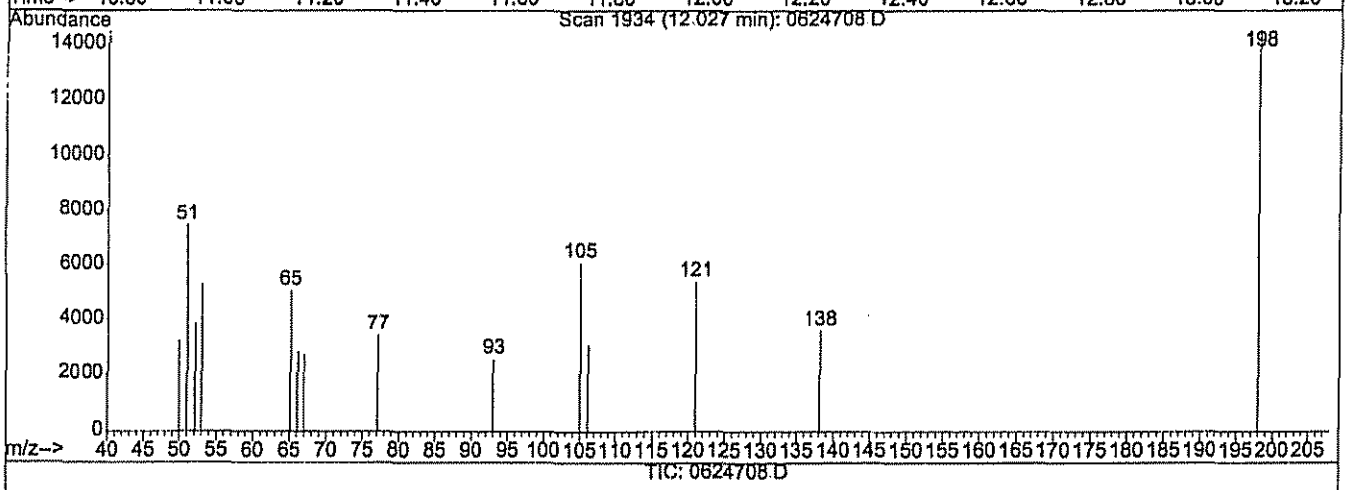
0624708.D 8270.M Fri Jun 24 16:25:59 2005 ENV

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

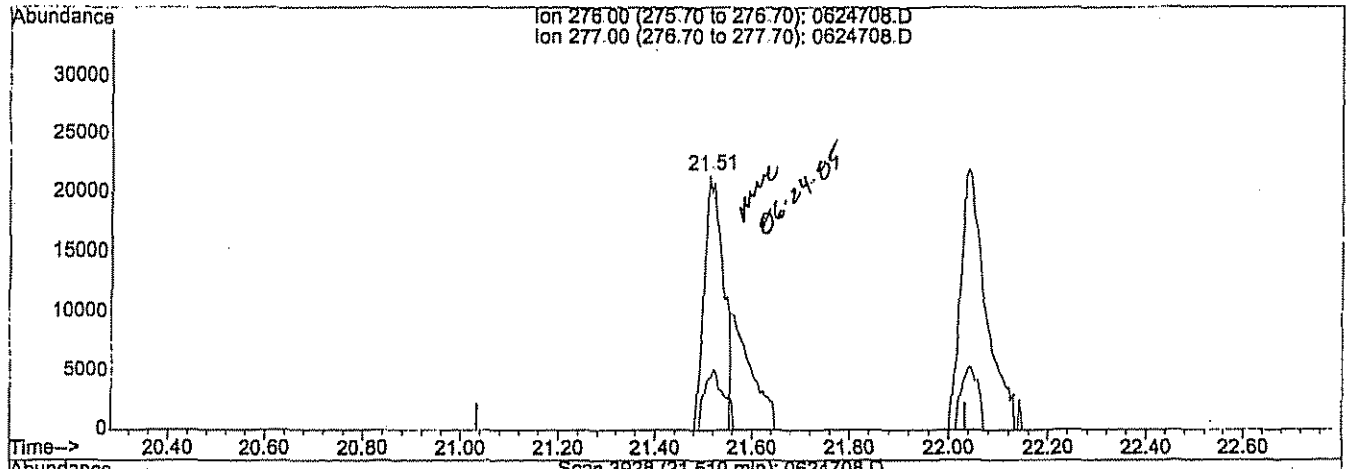
Ion	Exp%	Act%
138.00	100	100
65.10	108.30	71.77#
108.05	58.50	0.00#
92.00	43.90	0.00#

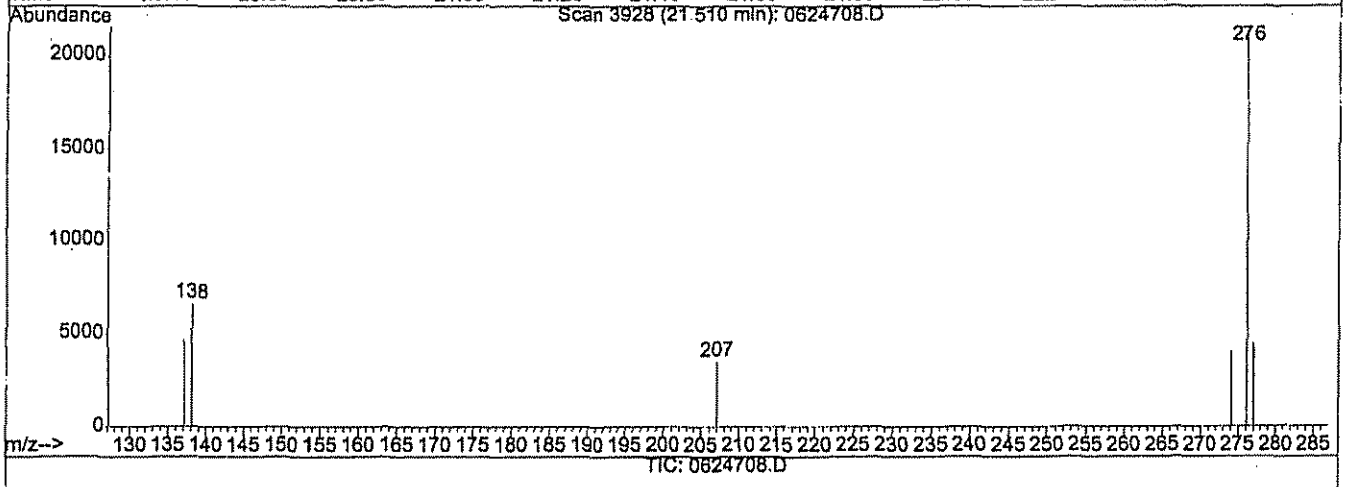
0624708.D 8270.M Fri Jun 24 16:25:55 2005 ENV

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

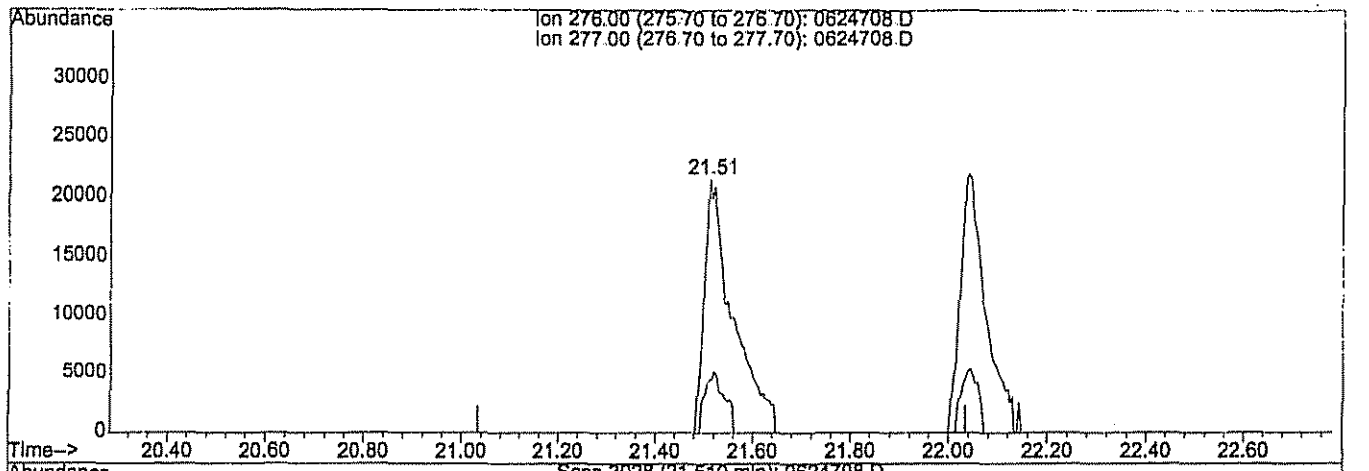
0624708.D 8270.M Fri Jun 24 16:26:30 2005 ENV

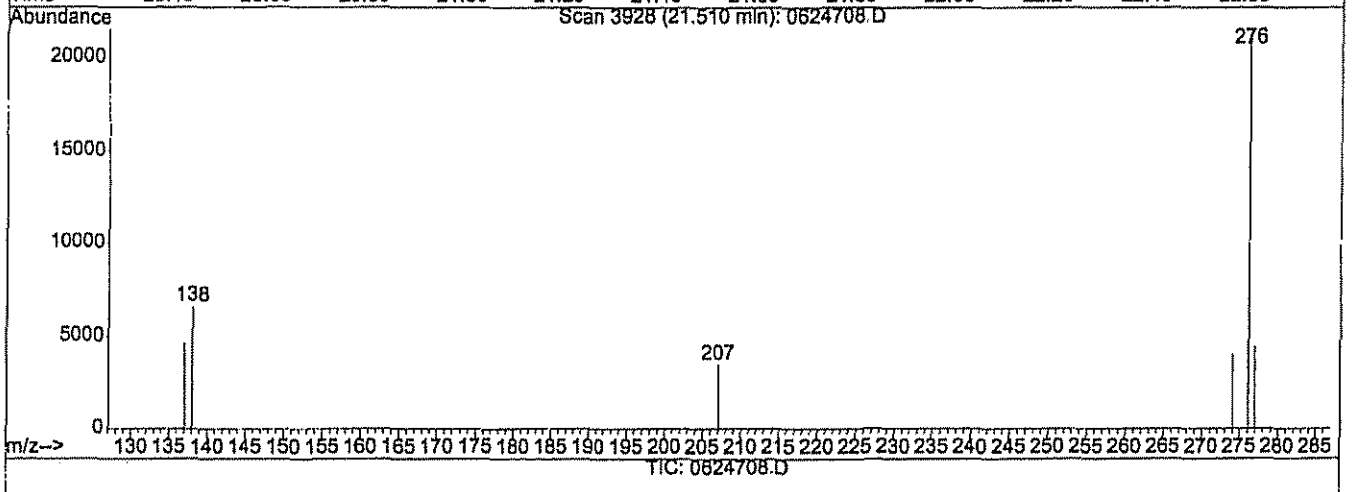
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7062405\0624708.D
Acq On : 24 Jun 2005 3:57 pm
Sample : SVCAL2
Misc :
MS Integration Params: rteint.p
Quant Time: Jun 24 16:25 2005

Vial: 8
Operator: MRC
Inst : MSD7
Multiplr: 1.00
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

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

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

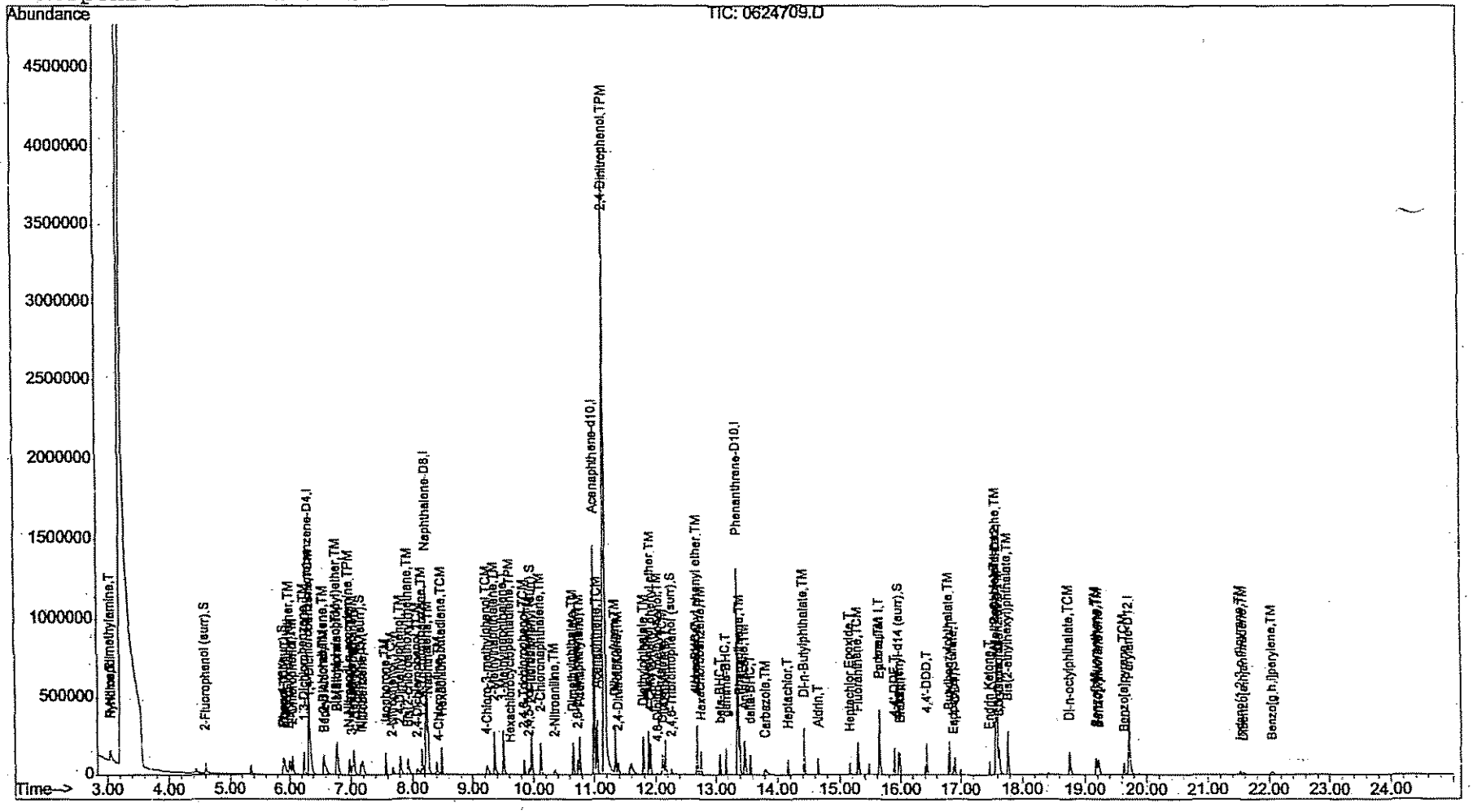
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.17	100	24190	1.10 ug/mL	86
72)	Aldrin	14.65	66	25617	1.21 ug/mL#	83
73)	Heptachlor Epoxide	15.17	353	8863	0.94 ug/mL	88
74)	Endosulfan I	15.64	195	5239	0.96 ug/mL#	40
75)	4,4'-DDE	15.89	246	37157	1.05 ug/mL	93
76)	Dieldrin	15.99	79	34002	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

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

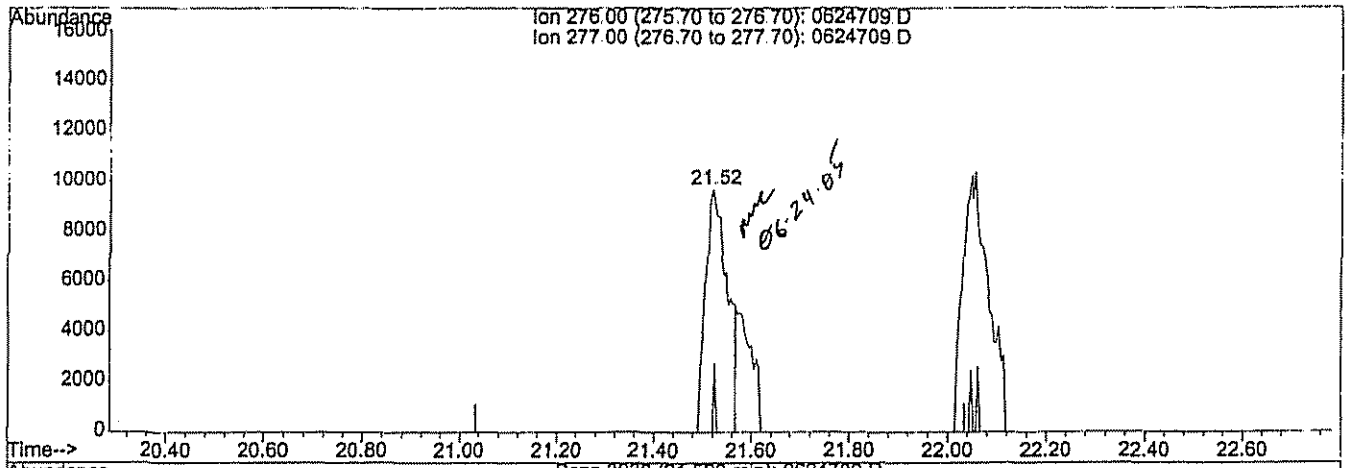
Method : C:\MSDCHEM\1\DATA\7062405\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Fri Jun 24 17:11:55 2005
Response via : Initial Calibration

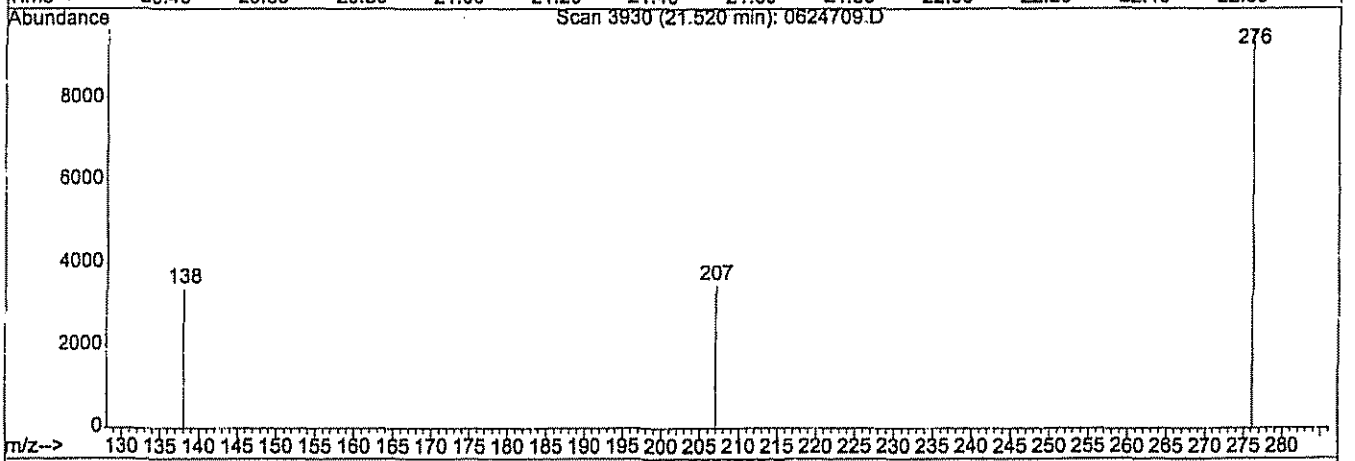


Quantitation Report (Qedit)

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

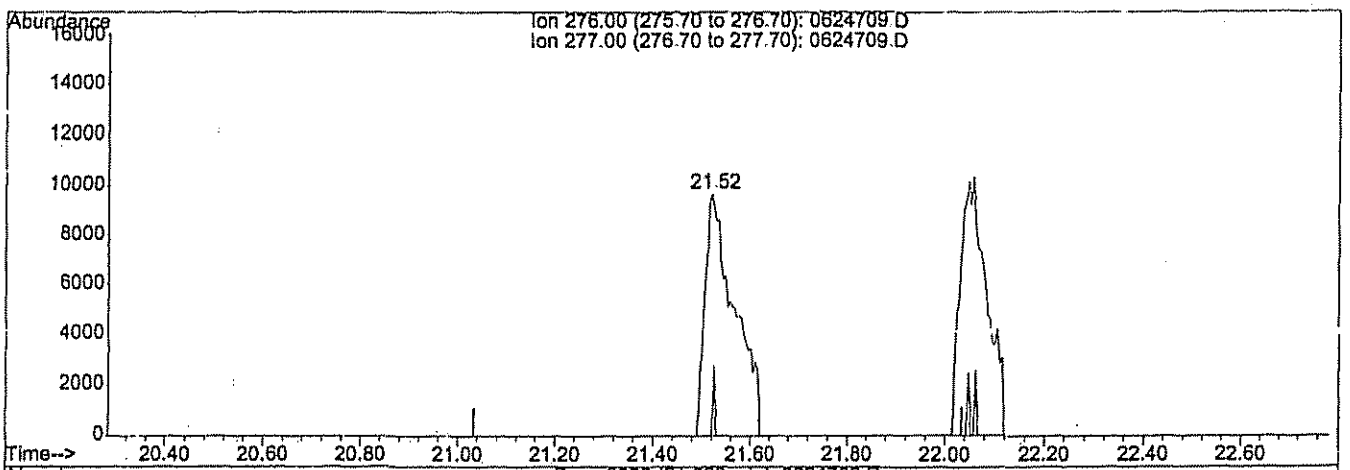
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

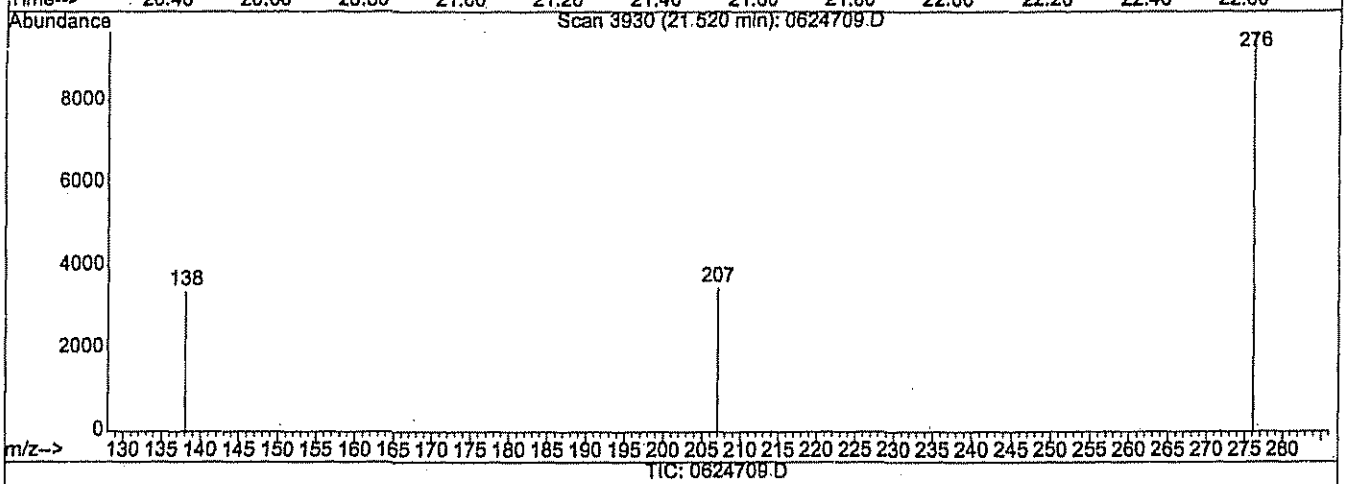
0624709.D 8270.M Fri Jun 24 17:06:50 2005 ENV

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





TIC: 0624709.D

(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

625 CVS Raw Data

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 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	83	-0.07
2	T	Pyridine	0.777	0.885	-13.9	93	-0.07
3	T	N-Nitrosodimethylamine	0.579	0.632	-9.2	85	-0.07
4	TCM	Phenol	1.560	1.706	-9.4	84	-0.07
5	TM	Bis(2-chloroethyl)ether	1.212	1.257	-3.7	85	-0.07
6	TM	2-Chlorophenol	1.231	1.279	-3.9	82	-0.07
7	TM	Benzyl Alcohol	0.733	0.797	-8.7	82	-0.07
8	TM	1,3-Dichlorobenzene	1.295	1.375	-6.2	83	-0.07
9	TCM	1,4-Dichlorobenzene	1.361	1.448	-6.4	84	-0.07
10	TM	1,2-Dichlorobenzene	1.214	1.302	-7.2	84	-0.07
11	TM	2-Methylphenol	0.911	0.990	-8.7	81	-0.07
12	TM	3-, 4-Methylphenol	1.293	1.383	-7.0	82	-0.07
13	TM	Bis(2-chloroisopropyl)ether	1.735	1.950	-12.4	87	-0.07
14	TPM	N-Nitrosodi-n-propylamine	0.628	0.691	-10.0	86	-0.07
15	TM	Hexachloroethane	0.430	0.480	-11.6	85	-0.07
16	S	2-Fluorophenol (surr)	0.921	0.960	-4.2	80	-0.07
17	S	Phenol-d6 (surr)	1.354	1.429	-5.5	81	-0.06
18	I	Naphthalene-D8	1.000	1.000	0.0	83	-0.08
19	TM	Nitrobenzene	0.275	0.301	-9.5	84	-0.08
20	TM	Isophorone	0.430	0.456	-6.0	85	-0.08
21	TCM	2-Nitrophenol	0.166	0.176	-6.0	80	-0.07
22	TM	2,4-Dimethylphenol	0.250	0.252	-0.8	77	-0.07
23	T	Benzoic Acid	0.141	0.099	29.8#	58	-0.08
24	TM	Bis(2-chloroethoxy)methane	0.318	0.345	-8.5	84	-0.07
25	TCM	2,4-Dichlorophenol	0.228	0.235	-3.1	77	-0.07
26	TM	1,2,4-Trichlorobenzene	0.249	0.267	-7.2	83	-0.08
27	TM	Naphthalene	0.806	0.860	-6.7	83	-0.08
28	TM	4-Chloroaniline	0.091	0.079	13.2	93	-0.10
29	TCM	Hexachlorobutadiene	0.123	0.135	-9.8	86	-0.08
30	TCM	4-Chloro-3-methylphenol	0.230	0.238	-3.5	79	-0.08
31	TM	2-Methylnaphthalene	0.614	0.661	-7.7	83	-0.08
32	S	Nitrobenzene-d5 (surr)	0.128	0.135	-5.5	81	-0.08
33	I	Acenaphthene-d10	1.000	1.000	0.0	82	-0.09
34	TPM	Hexachlorocyclopentadiene	0.072	0.054	25.0#	55	-0.08
35	TCM	2,4,6-Trichlorophenol	0.323	0.338	-4.6	79	-0.08
36	TM	2,4,5-Trichlorophenol	0.353	0.364	-3.1	75	-0.09
37	TM	2-Chloronaphthalene	0.975	1.056	-8.3	82	-0.08
38	TM	2-Nitroaniline	0.265	0.293	-10.6	87	-0.08
39	TM	3-Nitroaniline	0.056	0.033	41.1#	107	-0.09

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 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	1.202	-7.4	81	-0.08
41	TM	Dimethylphthalate	1.113	1.172	-5.3	82	-0.08
42	TM	Acenaphthylene	1.434	1.601	-11.6	82	-0.08
43	TM	2,6-Dinitrotoluene	0.239	0.257	-7.5	80	-0.08
44	TCM	Acenaphthene	0.990	1.076	-8.7	83	-0.09
45	TPM	2,4-Dinitrophenol	0.134	0.121	9.7	68	-0.09
46	TPM	4-Nitrophenol	0.091	0.080	12.1	70	-0.10
47	TM	Dibenzofuran	1.477	1.562	-5.8	80	-0.08
48	TM	2,4-Dinitrotoluene	0.311	0.328	-5.5	80	-0.08
49	TM	Fluorene	1.081	1.156	-6.9	81	-0.09
50	TM	Diethylphthalate	1.094	1.157	-5.8	81	-0.09
51	TM	4-Chlorophenyl phenyl ether	0.513	0.546	-6.4	81	-0.08
52	TM	4-Nitroaniline	0.107	0.114	-6.5	80	-0.10
53	S	2-Fluorobiphenyl (surr)	1.106	1.201	-8.6	82	-0.08
54	S	2,4,6-Tribromophenol (surr)	0.123	0.119	3.3	73	-0.09
55	I	Phenanthrene-D10	1.000	1.000	0.0	80	-0.09
56	TM	4,6-Dinitro-2-methylphenol	0.102	0.099	2.9	69	-0.09
57	TCM	Diphenylamine	0.350	0.414	-18.3	101	-0.08
58	TM	4-bromophenyl phenyl ether	0.170	0.189	-11.2	80	-0.08
59	TM	Hexachlorobenzene	0.176	0.189	-7.4	81	-0.09
60	TCM	Pentachlorophenol	0.095	0.088	7.4	72	-0.09
61	TM	Phenanthrene	1.006	1.075	-6.9	80	-0.09
62	TM	Carbazole	0.388	0.000#	100.0#	0#	-13.79#
63	TM	Anthracene	0.966	1.044	-8.1	80	-0.09
64	T	Azobenzene	0.683	0.753	-10.2	83	-0.08
65	TM	Di-n-Butylphthalate	1.169	1.255	-7.4	79	-0.09
66	TCM	Fluoranthene	0.927	0.962	-3.8	77	-0.09
67	T	alpha-BHC	0.119	0.131	-10.1	81	-0.09
68	T	beta-BHC	0.102	0.109	-6.9	79	-0.09
69	T	gamma-BHC	0.106	0.112	-5.7	80	-0.09
70	T	delta-BHC	0.095	0.099	-4.2	76	-0.09
71	T	Heptachlor	0.122	0.133	-9.0	78	-0.09
72	T	Aldrin	0.125	0.134	-7.2	82	-0.09
73	T	Heptachlor Epoxide	0.052	0.052	0.0	76	-0.09
74	T	Endosulfan I	0.031	0.034	-9.7	78	-0.09
75	T	4,4'-DDE	0.195	0.198	-1.5	75	-0.09
76	T	Dieldrin	0.166	0.168	-1.2	76	-0.09
77	T	Endrin	0.029	0.031	-6.9	76	-0.09
78	T	Endosulfan II	0.000	0.000#	0.0	0#	-18.31#
79	T	4,4'-DDD	0.358	0.348	2.8	73	-0.09

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 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	0.043	6.5	65	-0.10
81	T	4,4'-DDT	0.247	0.233	5.7	66	-0.09
82	T	Endrin Aldehyde	0.000	0.000#	0.0	0#	-18.29#
83	T	Endrin Ketone	0.038	0.032	15.8	63	-0.09
84	T	Methoxychlor	0.471	0.446	5.3	65	-0.09
85	I	Chrysene-D12	1.000	1.000	0.0	69	-0.10
86	TM	Pyrene	1.476	1.753	-18.8	77	-0.09
87	TM	Butylbenzylphthalate	0.822	0.867	-5.5	70	-0.09
88	TM	Benzo[a]anthracene	1.173	1.210	-3.2	67	-0.10
89	TM	3,3'-Dichlorobenzidine	0.131	0.086	34.4#	42#	-0.10
90	TM	Chrysene	1.098	1.167	-6.3	70	-0.10
91	TM	Bis(2-ethylhexyl)phthalate	1.163	1.152	0.9	65	-0.09
92	S	4-Terphenyl-d14 (surr)	1.000	1.138	-13.8	74	-0.09
93	I	Perylene-D12	1.000	1.000	0.0	51	-0.10
94	TCM	Di-n-octylphthalate	2.715	2.949	-8.6	56	-0.09
95	TM	Benzo[b]fluoranthene	1.289	1.327	-2.9	51	-0.10
96	TM	Benzo[k]fluoranthene	1.390	1.654	-19.0	62	-0.10
97	TCM	Benzo[a]pyrene	1.041	1.130	-8.5	52	-0.10
98	TM	Indeno(1,2,3-c,d)pyrene	0.595	0.521	12.4	42#	-0.15
99	TM	Dibenzo[a,h]anthracene	0.583	0.507	13.0	40#	-0.16
100	TM	Benzo[g,h,i]perylene	0.686	0.636	7.3	43#	-0.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 12:18:42 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

mc 07-15-05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.18	152	187864	4.00 ug/mL	-0.07
18) Naphthalene-D8	8.08	136	755124	4.00 ug/mL	-0.08
33) Acenaphthene-d10	10.83	164	370172	4.00 ug/mL	-0.09
55) Phenanthrene-D10	13.19	188	586725	4.00 ug/mL	-0.09
85) Chrysene-D12	17.42	240	315119	4.00 ug/mL	-0.10
93) Perylene-D12	19.53	264	169826	4.00 ug/mL	-0.10
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	4.46	112	270487m	6.26 ug/mL	-0.07
Spiked Amount 10.000			Recovery	= 62.60%	
17) Phenol-d6 (surr)	5.77	99	402790	6.33 ug/mL	-0.06
Spiked Amount 10.000			Recovery	= 63.30%	
32) Nitrobenzene-d5 (surr)	7.02	128	153268	6.34 ug/mL	-0.08
Spiked Amount 10.000			Recovery	= 63.40%	
53) 2-Fluorobiphenyl (surr)	9.81	172	666813	6.52 ug/mL	-0.08
Spiked Amount 10.000			Recovery	= 65.20%	
54) 2,4,6-Tribromophenol (surr	12.11	330	66184	5.81 ug/mL	-0.09
Spiked Amount 10.000			Recovery	= 58.10%	
92) 4-Terphenyl-d14 (surr)	15.80	244	537972	6.83 ug/mL	-0.09
Spiked Amount 10.000			Recovery	= 68.30%	
Target Compounds					Qvalue
2) Pyridine	2.90	79	249463	6.84 ug/mL	95
3) N-Nitrosodimethylamine	2.92	74	178057	6.55 ug/mL	97
4) Phenol	5.78	94	480726	6.56 ug/mL	97
5) Bis(2-chloroethyl)ether	5.86	93	354205	6.22 ug/mL	98
6) 2-Chlorophenol	5.90	128	360497	6.24 ug/mL	97
7) Benzyl Alcohol	6.44	108	224729	6.11 ug/mL	97
8) 1,3-Dichlorobenzene	6.09	146	387349	6.37 ug/mL	99
9) 1,4-Dichlorobenzene	6.20	146	407963	6.38 ug/mL	97
10) 1,2-Dichlorobenzene	6.42	146	366799	6.44 ug/mL	99
11) 2-Methylphenol	6.64	107	279118	6.52 ug/mL	96
12) 3-, 4-Methylphenol	6.88	107	389650	6.42 ug/mL	99
13) Bis(2-chloroisopropyl)ethe	6.64	45	549382	6.74 ug/mL#	89
14) N-Nitrosodi-n-propylamine	6.84	70	194842	6.61 ug/mL	98
15) Hexachloroethane	6.90	117	135214	6.70 ug/mL	94
19) Nitrobenzene	7.04	77	340995	6.57 ug/mL	94
20) Isophorone	7.42	82	515992	6.36 ug/mL	99
21) 2-Nitrophenol	7.53	139	199421	6.36 ug/mL	98
22) 2,4-Dimethylphenol	7.67	122	285625	6.05 ug/mL	98
23) Benzoic Acid	7.92	122	111711m	4.74 ug/mL	
24) Bis(2-chloroethoxy)methane	7.79	93	390818	6.51 ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 12:18:42 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Units	Qvalue
25)	2,4-Dichlorophenol	7.92	162	266275	6.20 ug/mL	96
26)	1,2,4-Trichlorobenzene	8.01	180	302100	6.42 ug/mL	98
27)	Naphthalene	8.11	128	974391	6.40 ug/mL	99
28)	4-Chloroaniline	8.34	127	89249m	5.88 ug/mL	
29)	Hexachlorobutadiene	8.34	225	153152	6.61 ug/mL	99
30)	4-Chloro-3-methylphenol	9.08	107	269849	6.22 ug/mL	97
31)	2-Methylnaphthalene	9.20	142	748650	6.46 ug/mL	99
34)	Hexachlorocyclopentadiene	9.46	237	29975	4.18 ug/mL	98
35)	2,4,6-Trichlorophenol	9.69	196	187598	6.29 ug/mL	99
36)	2,4,5-Trichlorophenol	9.76	196	202165	6.18 ug/mL	96
37)	2-Chloronaphthalene	9.96	162	586175	6.50 ug/mL	97
38)	2-Nitroaniline	10.19	65	162619	6.64 ug/mL	97
39)	3-Nitroaniline	10.88	138	18563	6.42 ug/mL#	78
40)	1-Methylnaphthalene	9.35	142	667685	6.45 ug/mL	97
41)	Dimethylphthalate	10.51	163	650592	6.32 ug/mL	99
42)	Acenaphthylene	10.61	152	889189	6.70 ug/mL	100
43)	2,6-Dinitrotoluene	10.58	165	142635	6.46 ug/mL	97
44)	Acenaphthene	10.89	153	597607	6.52 ug/mL	99
45)	2,4-Dinitrophenol	11.03	184	67086	5.40 ug/mL#	84
46)	4-Nitrophenol	11.27	109	44693m	5.31 ug/mL	
47)	Dibenzofuran	11.18	168	867052	6.34 ug/mL	99
48)	2,4-Dinitrotoluene	11.22	165	182379	6.34 ug/mL	97
49)	Fluorene	11.71	166	641950	6.41 ug/mL	98
50)	Diethylphthalate	11.64	149	642569	6.35 ug/mL	99
51)	4-Chlorophenyl phenyl ethe	11.76	204	303438	6.39 ug/mL	100
52)	4-Nitroaniline	11.88	138	63346	6.22 ug/mL#	86
56)	4,6-Dinitro-2-methylphenol	11.87	198	87442	5.28 ug/mL#	90
57)	Diphenylamine	11.96	169	364110	7.10 ug/mL	99
58)	4-bromophenyl phenyl ether	12.53	248	166339	6.66 ug/mL	98
59)	Hexachlorobenzene	12.59	284	166754	6.47 ug/mL	97
60)	Pentachlorophenol	12.95	266	77233	5.36 ug/mL	99
61)	Phenanthrene	13.23	178	946090	6.41 ug/mL	100
62)	Carbazole	0.00	167	0	N.D. d	
63)	Anthracene	13.31	178	919124	6.49 ug/mL	99
64)	Azobenzene	12.00	77	662277	6.61 ug/mL	95
65)	Di-n-Butylphthalate	14.27	149	1104235	6.44 ug/mL	99
66)	Fluoranthene	15.13	202	846977	6.23 ug/mL	96
67)	alpha-BHC	12.53	183	114914	6.59 ug/mL	99
68)	beta-BHC	12.91	181	95879	6.44 ug/mL	97
69)	gamma-BHC	13.01	183	98205	6.34 ug/mL	100
70)	delta-BHC	13.41	183	87458	6.25 ug/mL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 12:18:42 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	14.00	100	117167	6.52 ug/mL	90
72)	Aldrin	14.48	66	117586	6.39 ug/mL	87
73)	Heptachlor Epoxide	14.99	353	45674	6.04 ug/mL	96
74)	Endosulfan I	15.48	195	29926	6.53 ug/mL	89
75)	4,4'-DDE	15.73	246	174475	6.10 ug/mL	99
76)	Dieldrin	15.82	79	147939	6.08 ug/mL	93
77)	Endrin	15.82	263	26871	6.37 ug/mL	80
78)	Endosulfan II	0.00	35	0	N.D.	
79)	4,4'-DDD	16.26	235	306111	5.83 ug/mL#	99
80)	Endosulfan Sulfate	16.70	272	37559	5.55 ug/mL	91
81)	4,4'-DDT	16.73	235	204701	5.65 ug/mL	85
82)	Endrin Aldehyde	0.00	35	0	N.D.	
83)	Endrin Ketone	17.30	317	28079	5.10 ug/mL	97
84)	Methoxychlor	17.40	227	392873	5.68 ug/mL	95
86)	Pyrene	15.48	202	828507	7.12 ug/mL	95
87)	Butylbenzylphthalate	16.65	149	409868	6.33 ug/mL	95
88)	Benzo[a]anthracene	17.40	228	572080	6.19 ug/mL	97
89)	3,3'-Dichlorobenzidine	17.44	252	40519	4.74 ug/mL#	95
90)	Chrysene	17.45	228	551783	6.38 ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	17.61	149	544426	5.94 ug/mL	98
94)	Di-n-octylphthalate	18.59	149	751133	6.52 ug/mL	100
95)	Benzo[b]fluoranthene	19.00	252	338119	6.18 ug/mL	99
96)	Benzo[k]fluoranthene	19.04	252	421323	7.14 ug/mL	98
97)	Benzo[a]pyrene	19.45	252	287911	6.51 ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	21.24	276	132598m	5.31 ug/mL	
99)	Dibenzo[a,h]anthracene	21.29	278	129057	5.08 ug/mL	99
100)	Benzo[g,h,i]perylene	21.74	276	161975	5.56 ug/mL	98

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

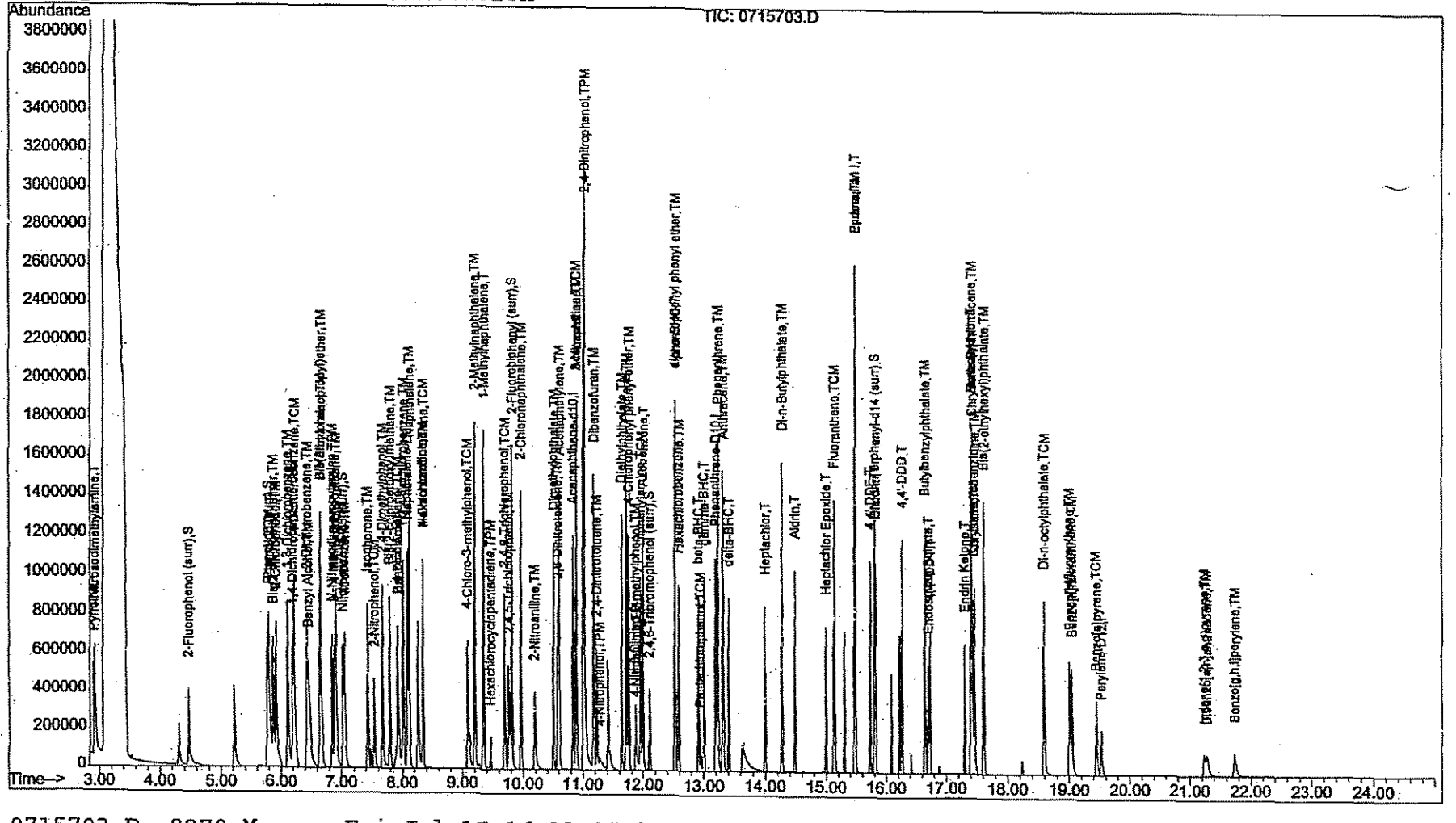
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D
Acq On : 15 Jul 2005 11:53 am
Sample : SVCVS6
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 15 15:37 2005

Vial: 3
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration

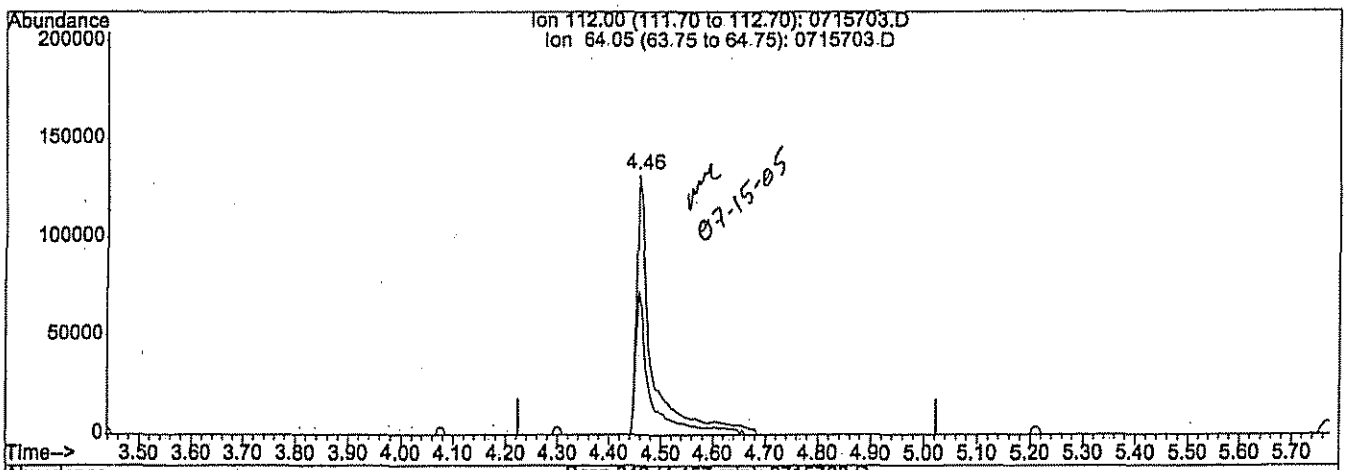


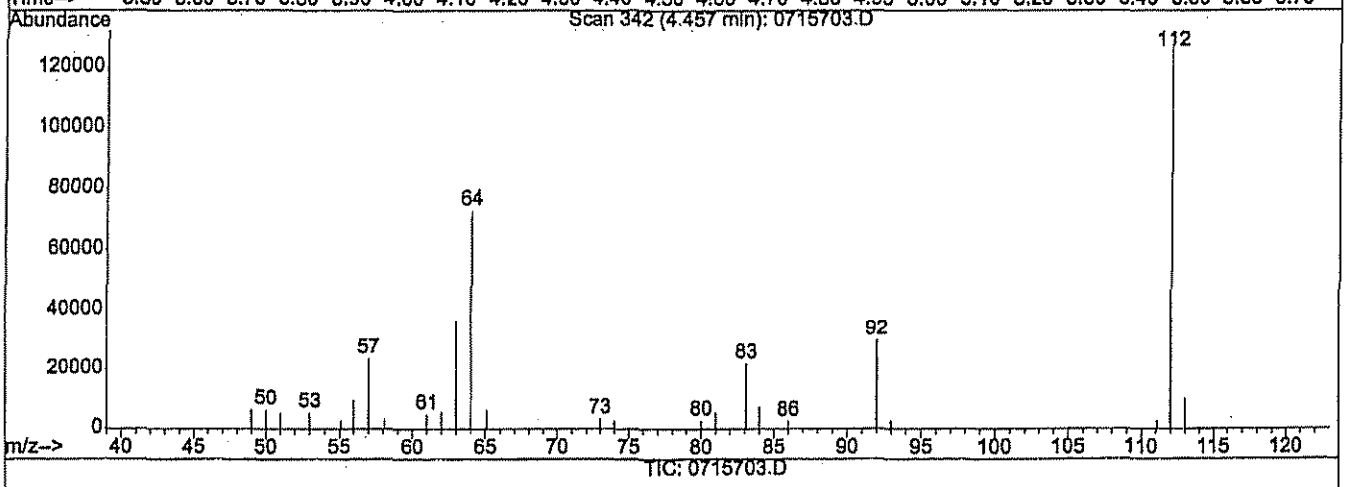
0715703.D 8270.M Fri Jul 15 16:11:35 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 15:35 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Multiple Level Calibration





TIC: 0715703.D

(16) 2-Fluorophenol (surr) (S)

4.46min 6.26ug/mL m

response 270487

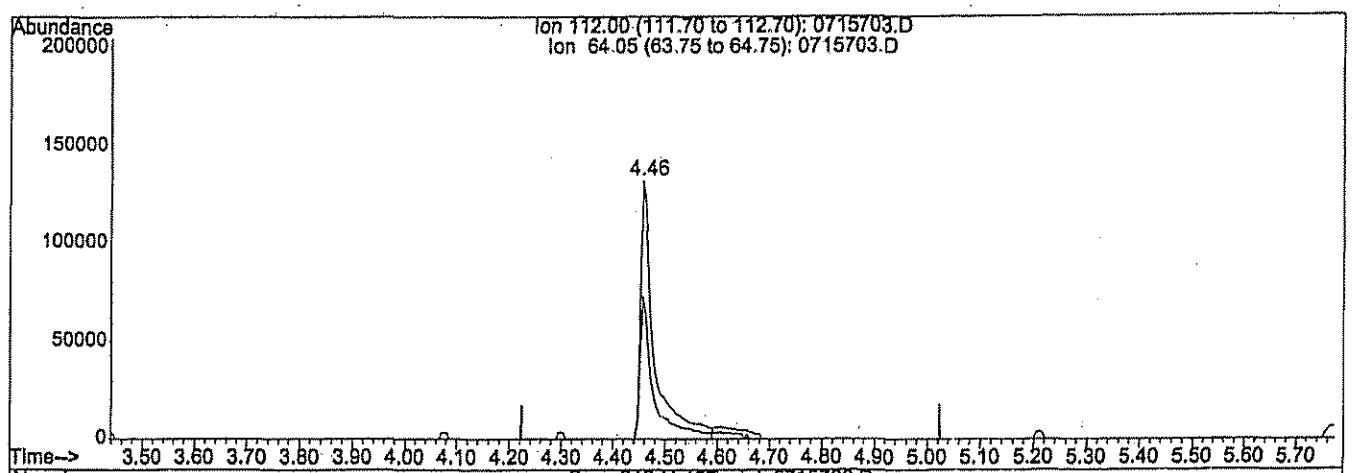
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	49.08
0.00	0.00	0.00
0.00	0.00	0.00

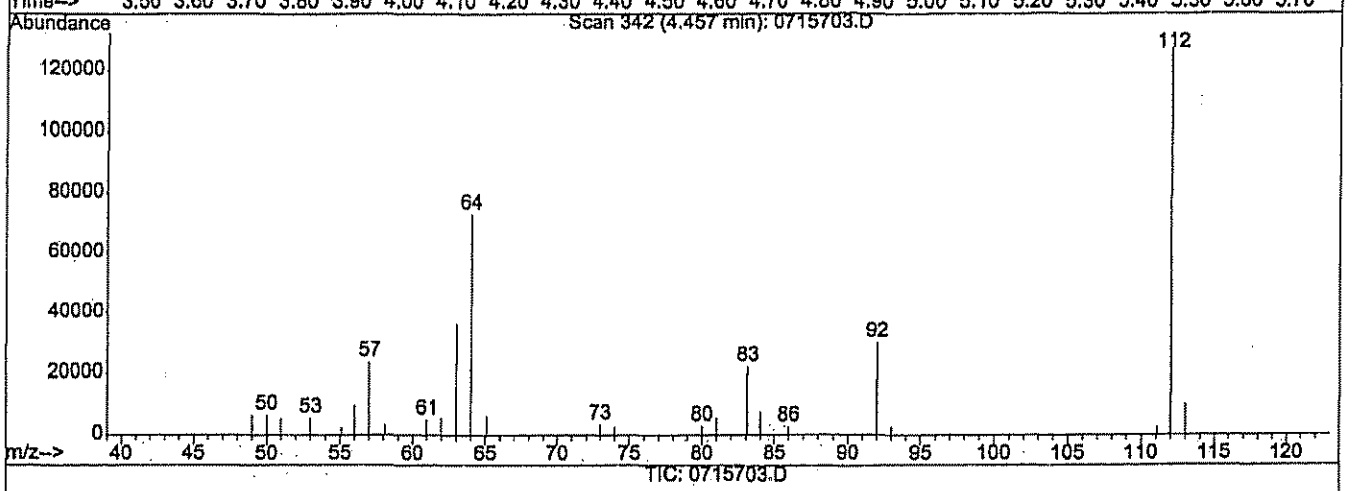
0715703.D 8270.M Fri Jul 15 15:35:23 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 12:18 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Multiple Level Calibration





TIC: 0715703.D

(16) 2-Fluorophenol (surr) (S)

4.46min 5.65ug/mL

response 244224

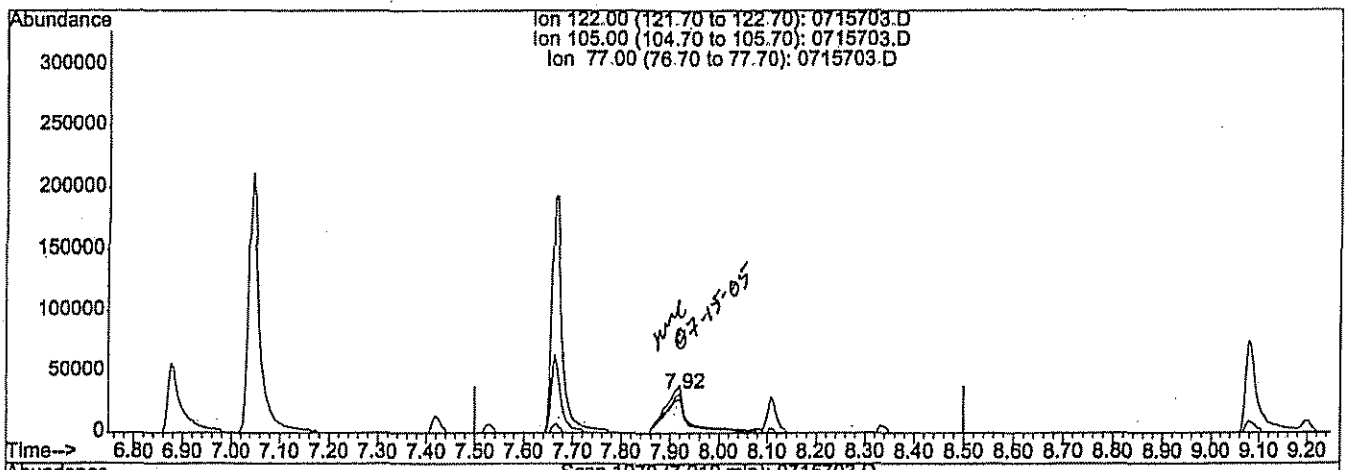
Ion	Exp%	Act%
112.00	100	100
64.05	50.20	54.36
0.00	0.00	0.00
0.00	0.00	0.00

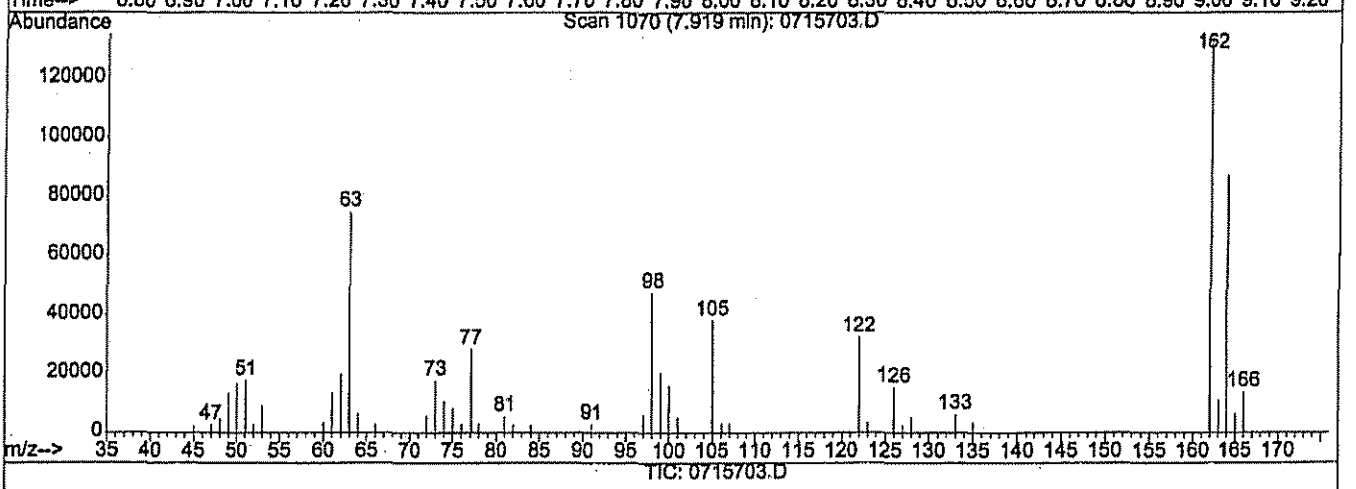
0715703.D 8270.M Fri Jul 15 15:35:19 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 15:35 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Multiple Level Calibration





(23) Benzoic Acid (T)

7.92min 4.74ug/mL m

response 111711

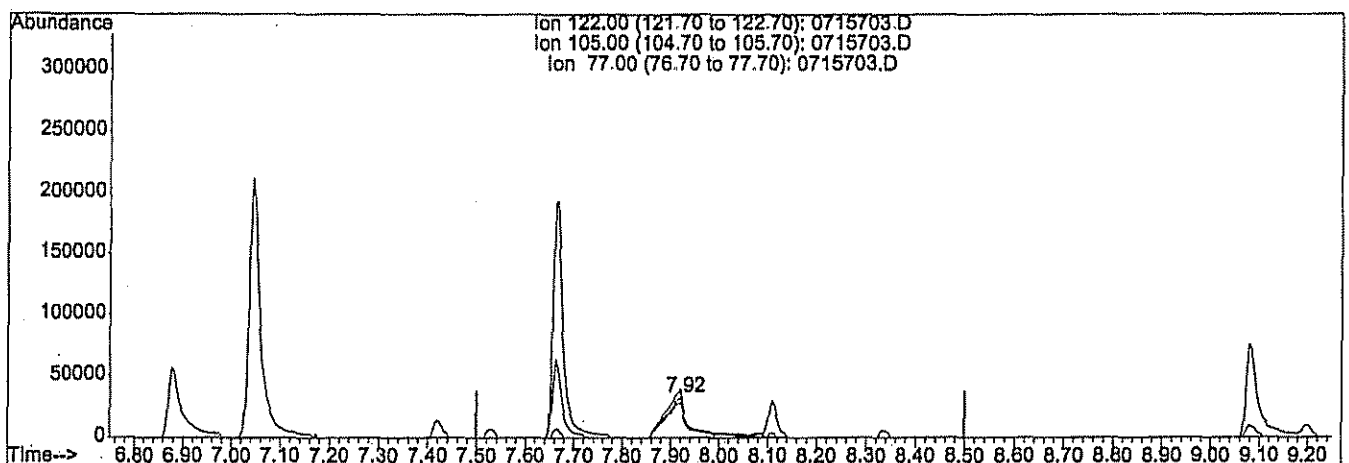
Ion	Exp%	Act%
122.00	100	100
105.00	56.30	109.15#
77.00	40.30	81.54#
0.00	0.00	0.00

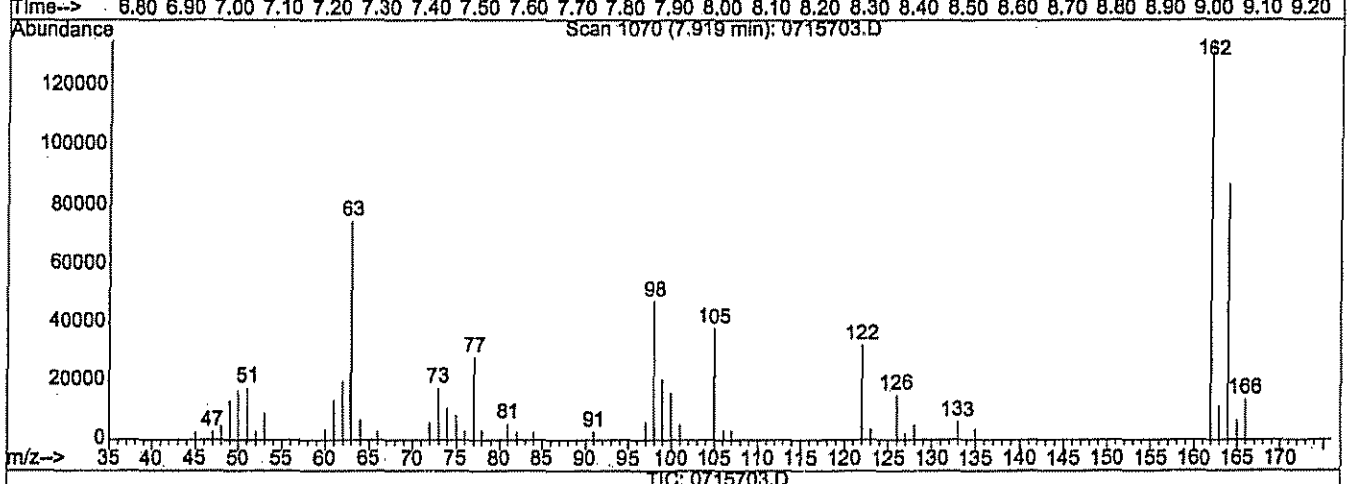
0715703.D 8270.M Fri Jul 15 15:35:36 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 15:35 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Multiple Level Calibration





(23) Benzoic Acid (T)

7.92min 4.38ug/mL

response 99074

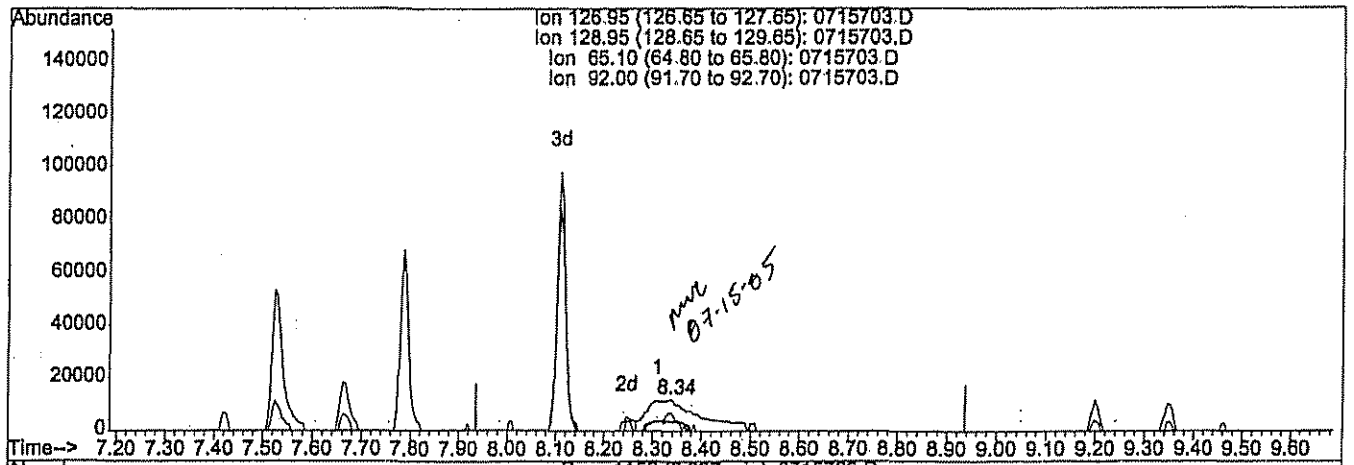
Ion	Exp%	Act%
122.00	100	100
105.00	56.30	123.07#
77.00	40.30	91.94#
0.00	0.00	0.00

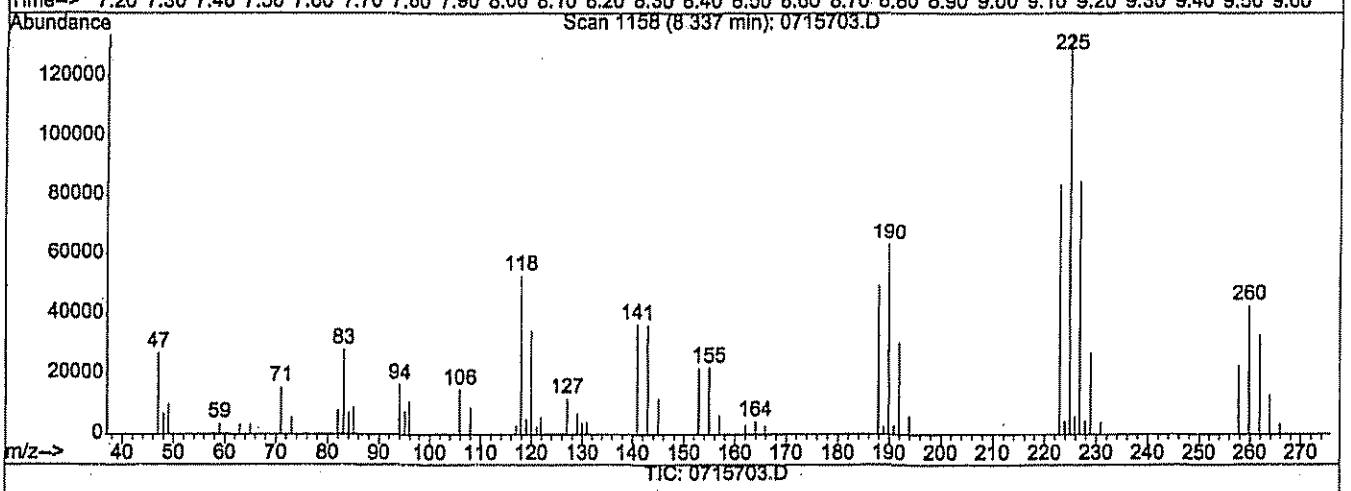
0715703.D 8270.M Fri Jul 15 15:35:31 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 15:35 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Multiple Level Calibration





(28) 4-Chloroaniline (TM)

8.34min 5.88ug/mL m

response 89249

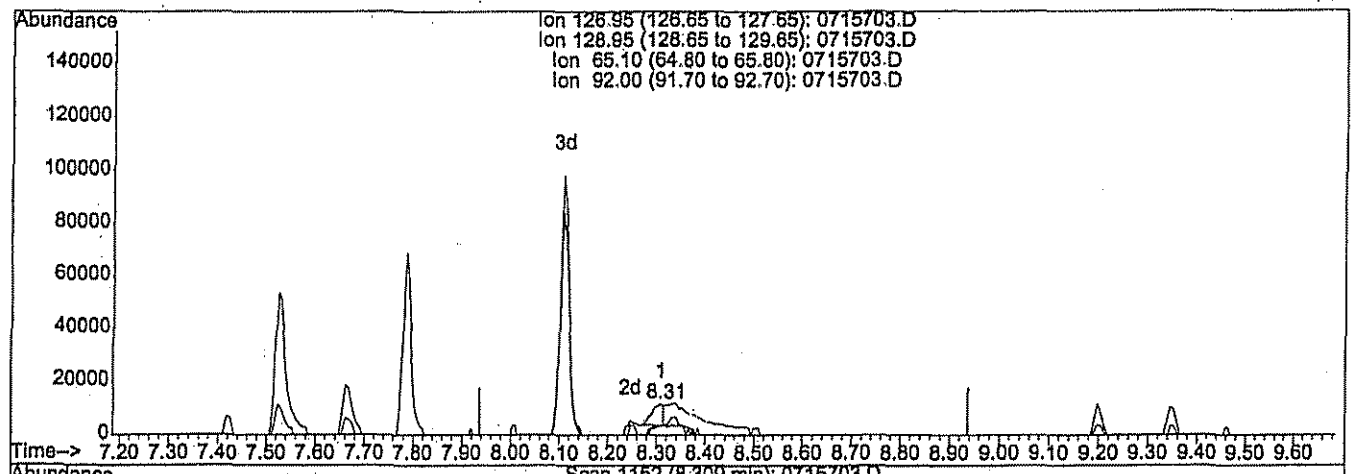
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	57.60#
65.10	28.40	28.52
92.00	16.90	0.00#

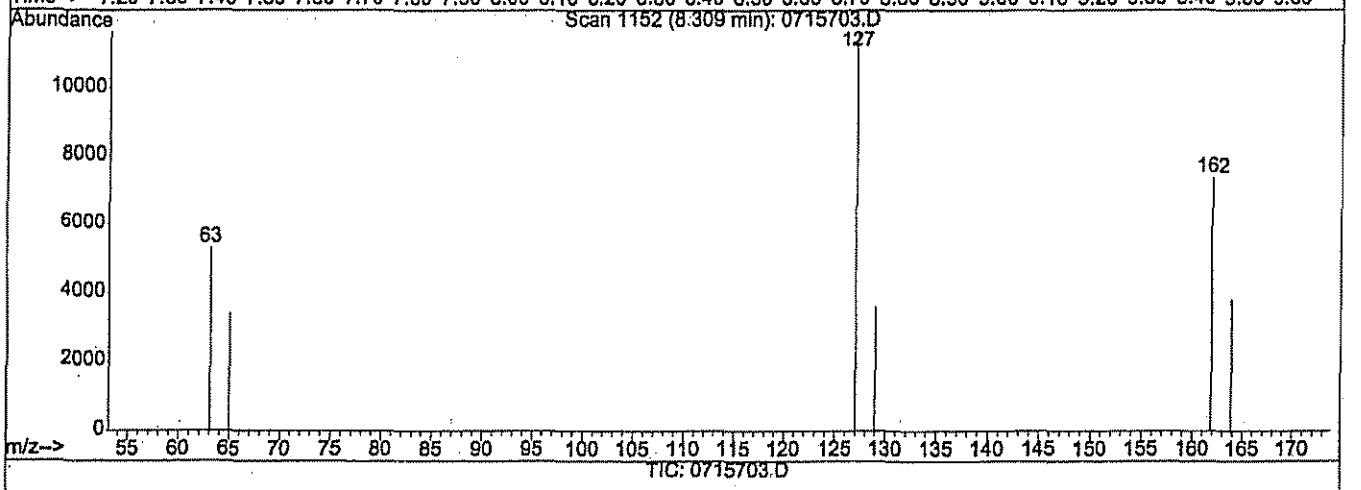
0715703.D 8270.M Fri Jul 15 15:35:49 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 15:35 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Multiple Level Calibration





(28) 4-Chloroaniline (TM)

8.31min 1.78ug/mL

response 12639

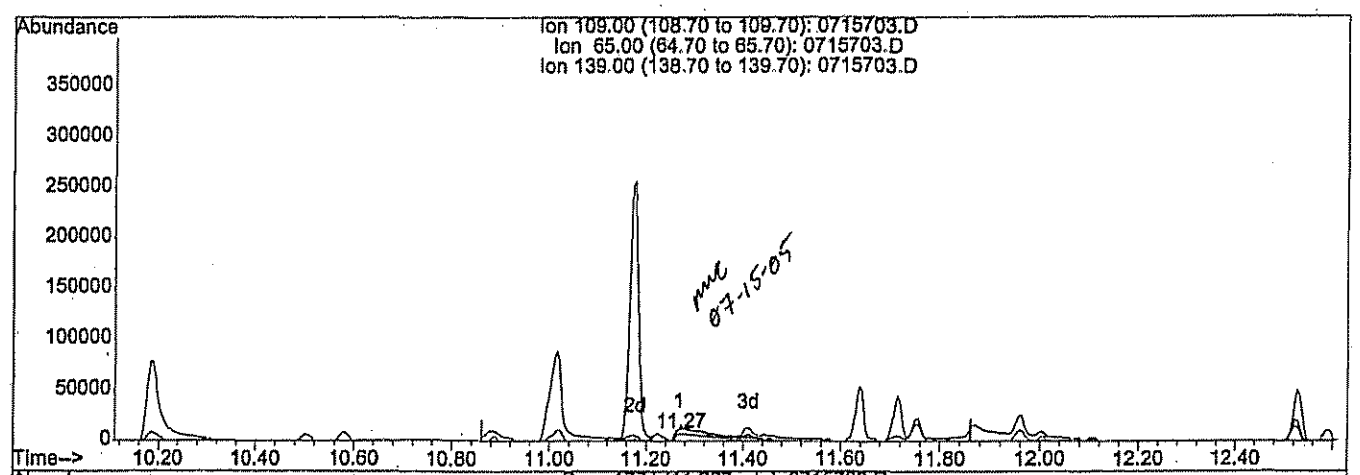
Ion	Exp%	Act%
126.95	100	100
128.95	31.80	45.25#
65.10	28.40	42.87#
92.00	16.90	0.00#

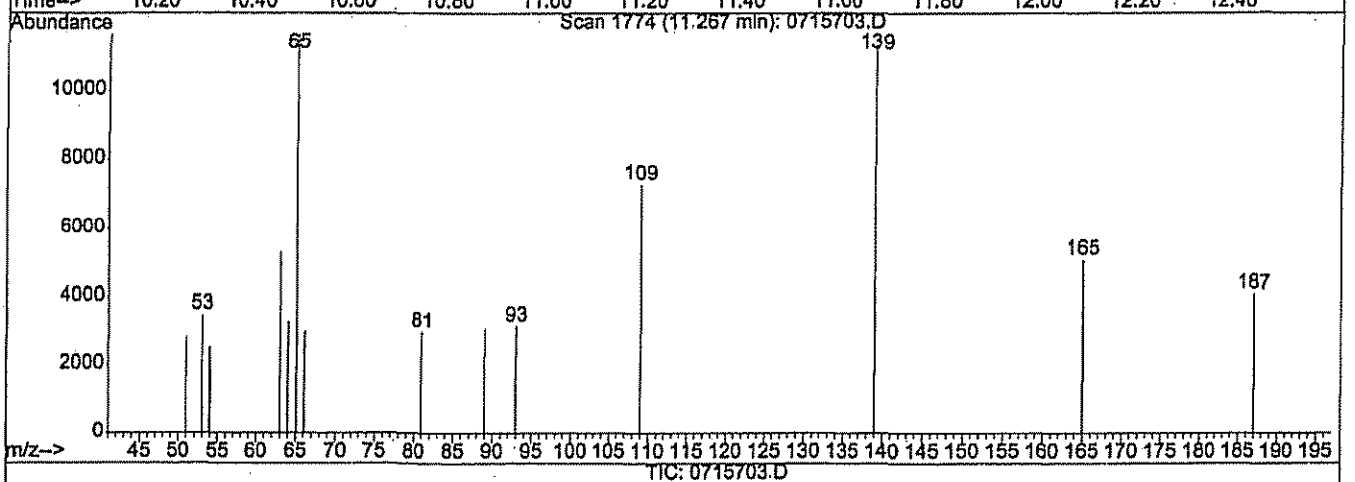
0715703.D 8270.M Fri Jul 15 15:35:42 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 15:36 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Multiple Level Calibration





(46) 4-Nitrophenol (TPM)

11.27min 5.31ug/mL m

response 44693

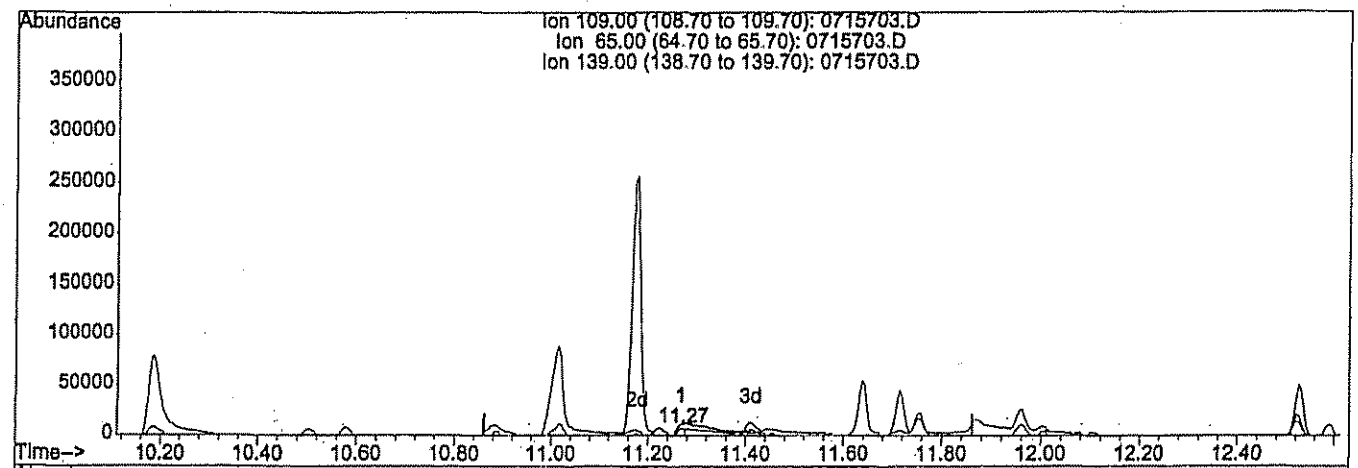
Ion	Exp%	Act%
109.00	100	100
65.00	147.60	160.77
139.00	180.40	156.50
0.00	0.00	0.00

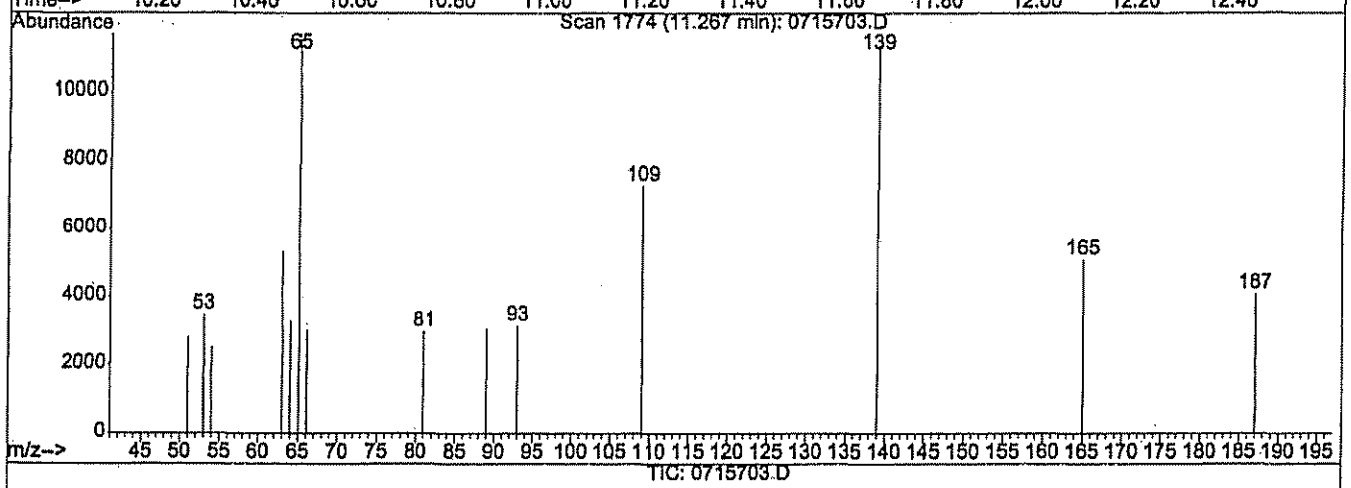
0715703.D 8270.M Fri Jul 15 15:36:14 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 15:35 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Multiple Level Calibration





(46) 4-Nitrophenol (TPM)

11.27min 1.85ug/mL

response 7279

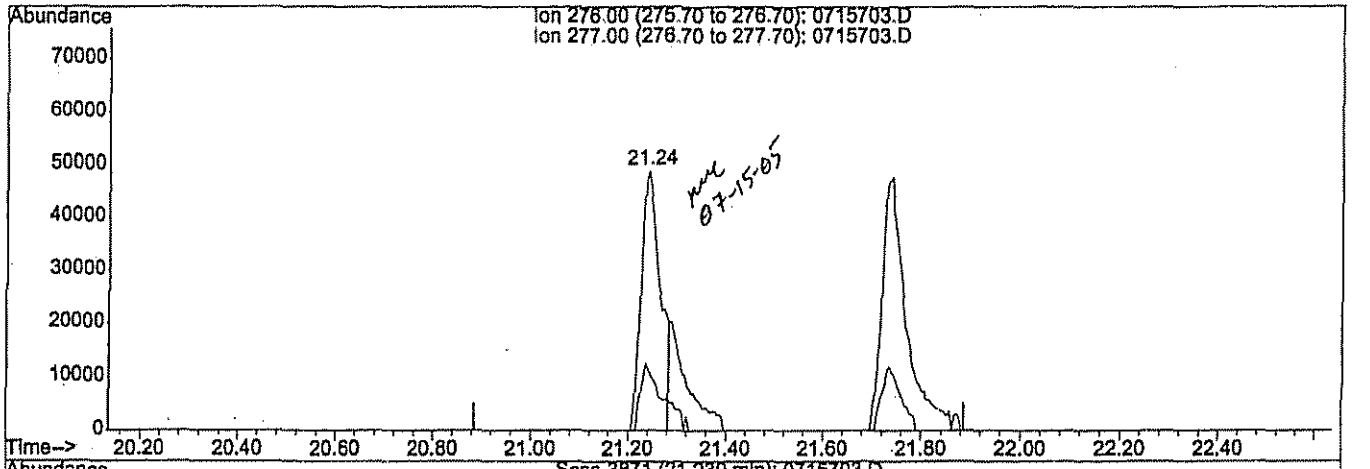
Ion	Exp%	Act%
109.00	100	100
65.00	147.60	160.77
139.00	180.40	156.50
0.00	0.00	0.00

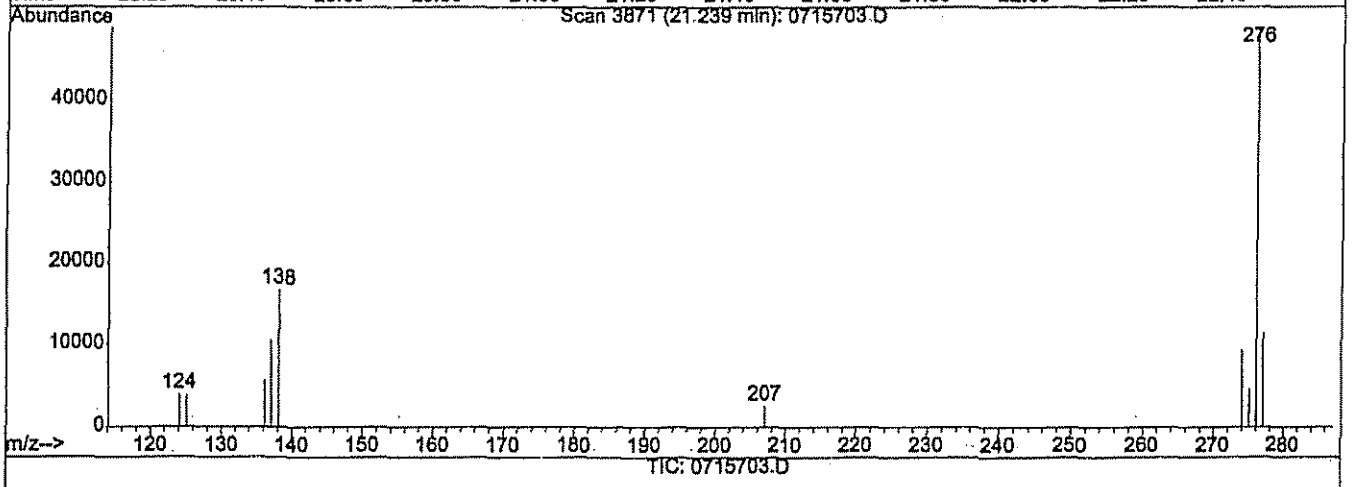
0715703.D 8270.M Fri Jul 15 15:36:09 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 15:37 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Multiple Level Calibration





(98) Indeno(1,2,3-c,d)pyrene (TM)

21.24min 5.31ug/mL m

response 132598

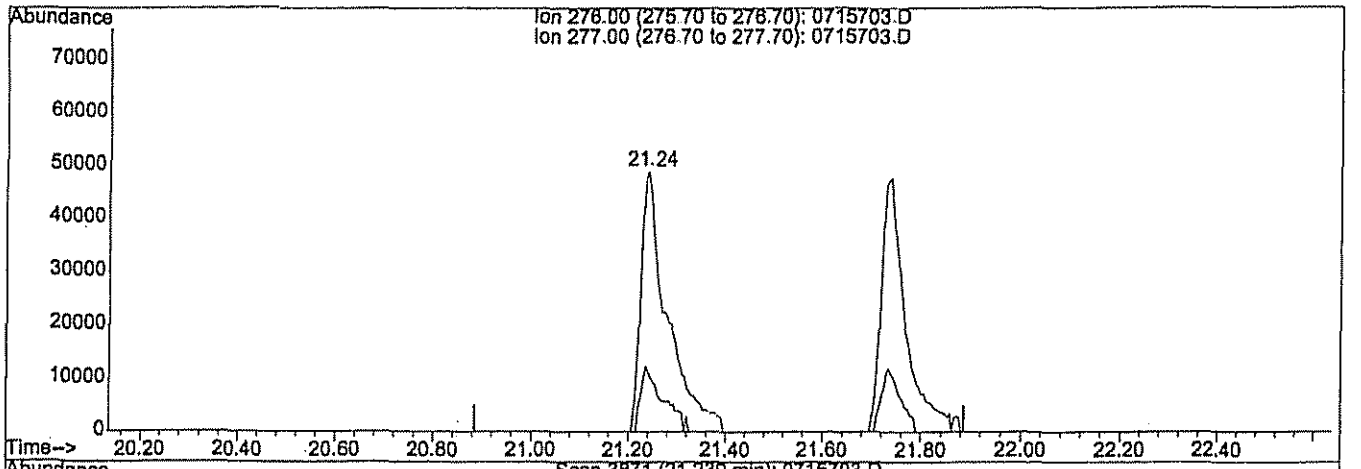
Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.35
0.00	0.00	0.00
0.00	0.00	0.00

0715703.D 8270.M Fri Jul 15 15:37:05 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7071505\0715703.D Vial: 3
Acq On : 15 Jul 2005 11:53 am Operator: MRC
Sample : SVCVS6 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 15:36 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

21.24min 6.85ug/mL

response 184086

Ion	Exp%	Act%
276.00	100	100
277.00	23.30	23.35
0.00	0.00	0.00
0.00	0.00	0.00

0715703.D 8270.M Fri Jul 15 15:37:00 2005 ENV

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\6071905\0719602.D Vial: 2
Acq On : 19 Jul 2005 11:36 am Operator: MRC
Sample : SVCVS8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\DATA\6071905\DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 13 07:53:43 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	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	4.000	4.000	0.0	103	0.00
2		1,4-Dioxane	8.000	8.269	-3.4	106	0.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6071905\0719602.D Vial: 2
Acq On : 19 Jul 2005 11:36 am Operator: MRC
Sample : SVCVS8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 19 13:48 2005 Quant Results File: DXN.RES

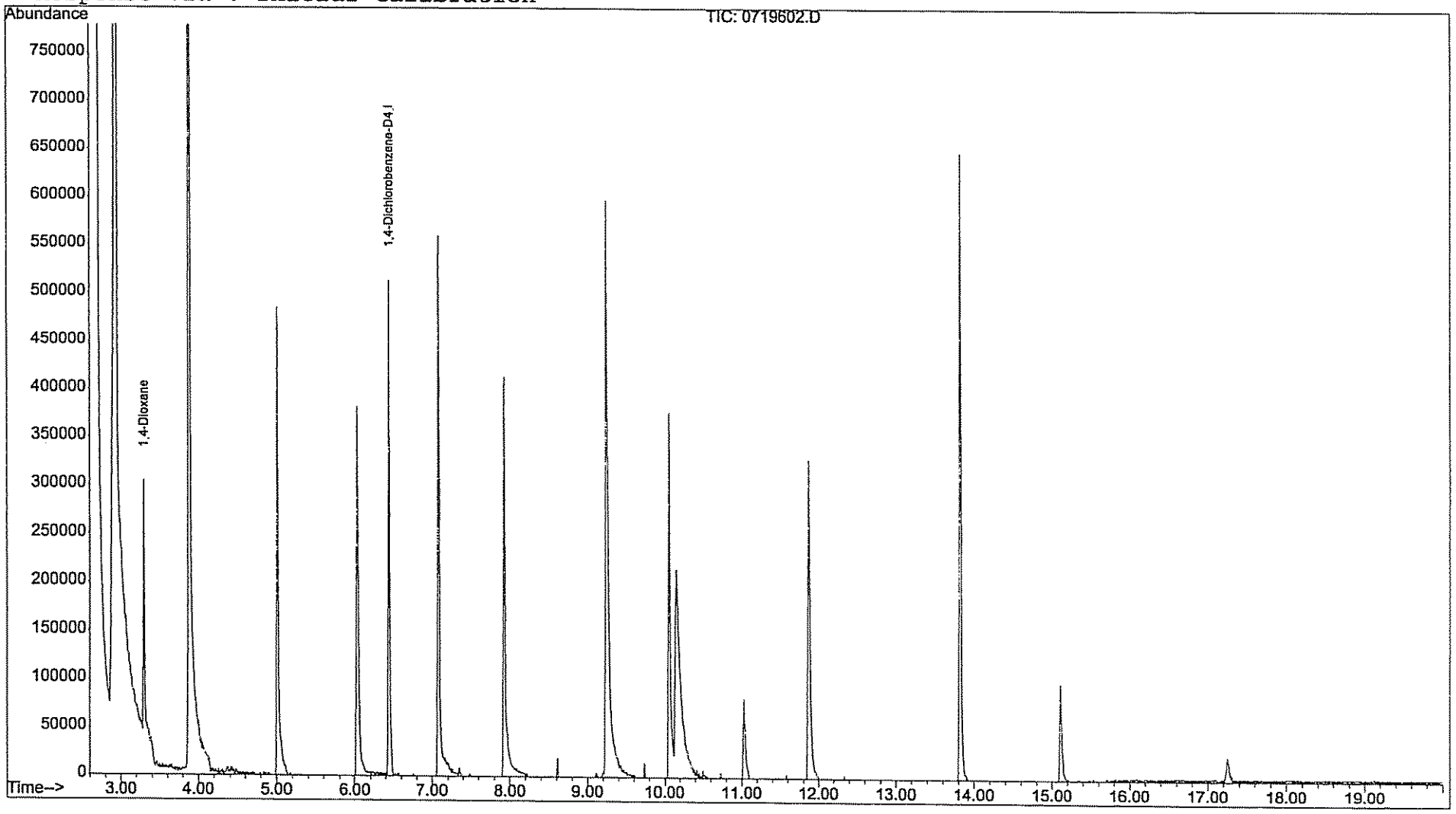
Quant Method : C:\HPCHEM\1\DATA\6071905\DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 13 07:53:43 2005
Response via : Initial Calibration
DataAcq Meth : 8270DXN

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.44	152	115448	4.00 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.29	88	114082	8.27 ug/mL	94

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

Data File : C:\HPCHEM\1\DATA\6071905\0719602.D Vial: 2
Acq On : 19 Jul 2005 11:36 am Operator: MRC
Sample : SVCVS8 Inst : MSD6
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jul 19 13:48 2005 Quant Results File: DXN.RES

Method : C:\HPCHEM\1\DATA\6071905\DXN.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Jun 13 07:53:43 2005
Response via : Initial Calibration



625 QC, Blanks Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715722.D Vial: 22
Acq On : 15 Jul 2005 10:46 pm Operator: MRC
Sample : PB3238 x1 Inst : MSD7
Misc : 625 [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 23:11:29 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

pmc 07.18.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.18	152	177015	4.00	ug/mL	-0.07
18) Naphthalene-D8	8.08	136	688370	4.00	ug/mL	-0.08
33) Acenaphthene-d10	10.83	164	348043	4.00	ug/mL	-0.09
55) Phenanthrene-D10	13.19	188	535048	4.00	ug/mL	-0.09
85) Chrysene-D12	17.42	240	205070	4.00	ug/mL	-0.09
93) Perylene-D12	19.54	264	96786	4.00	ug/mL	-0.10
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	4.46	112	377027	9.25	ug/mL	-0.06
Spiked Amount 10.000			Recovery = 92.50%			
17) Phenol-d6 (surr)	5.77	99	611234	10.20	ug/mL	-0.06
Spiked Amount 10.000			Recovery = 102.00%			
32) Nitrobenzene-d5 (surr)	7.02	128	224653	10.20	ug/mL	-0.08
Spiked Amount 10.000			Recovery = 102.00%			
53) 2-Fluorobiphenyl (surr)	9.81	172	979262	10.18	ug/mL	-0.08
Spiked Amount 10.000			Recovery = 101.80%			
54) 2,4,6-Tribromophenol (surr	12.11	330	91274	8.53	ug/mL	-0.09
Spiked Amount 10.000			Recovery = 85.30%			
92) 4-Terphenyl-d14 (surr)	15.80	244	657171m	12.82	ug/mL	-0.09
Spiked Amount 10.000			Recovery = 128.20%			

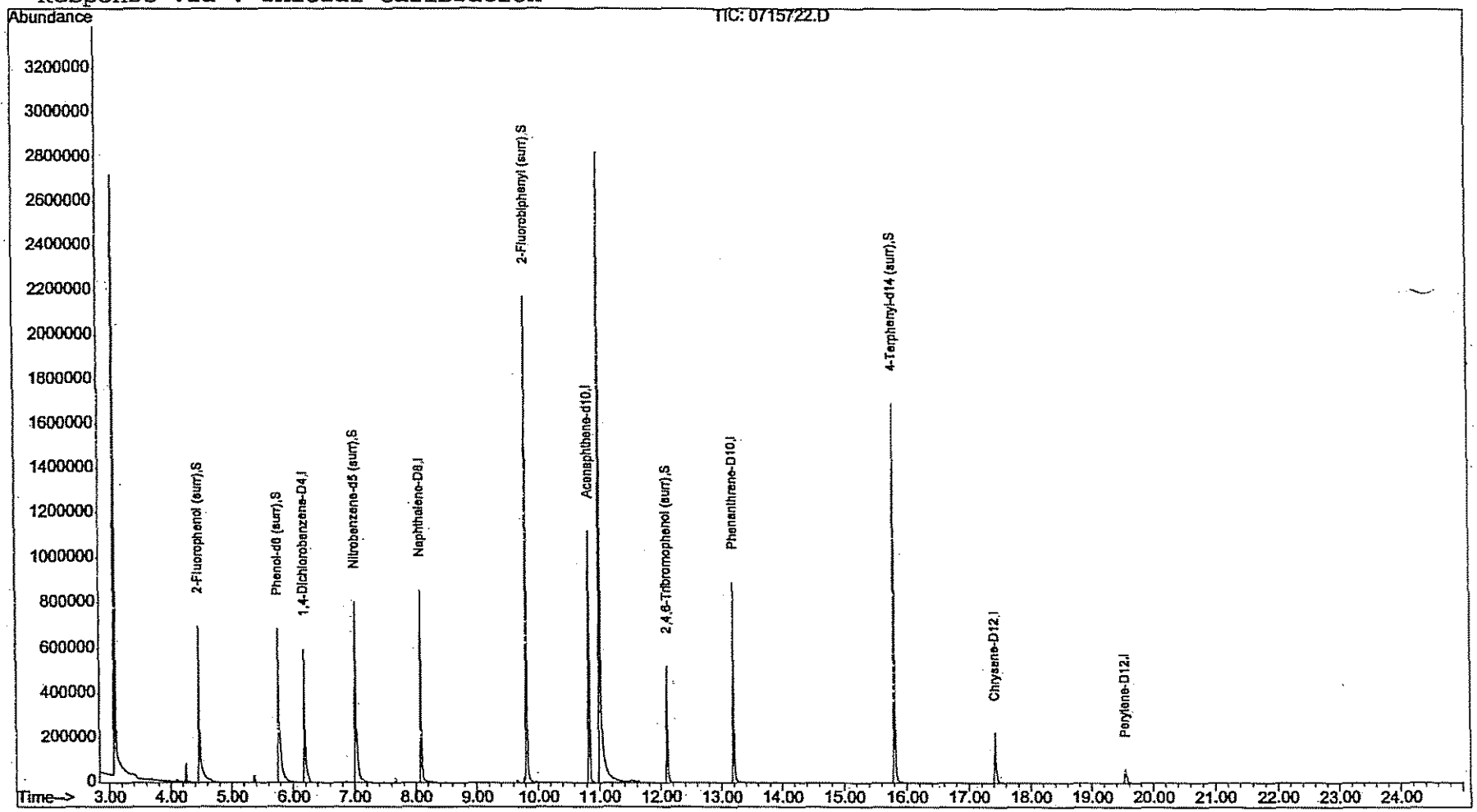
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715722.D Vial: 22
Acq On : 15 Jul 2005 10:46 pm Operator: MRC
Sample : PB3238 x1 Inst : MSD7
Misc : 625 [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 15:32 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7071805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\7071505\0715722.D Vial: 22
Acq On : 15 Jul 2005 10:46 pm Operator: MRC
Sample : PB3238 x1 Inst : MSD7
Misc : 625 [3520-3238] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 Toluene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.09	13.67 ug/mL	3059710	1,4-Dichlorobenzene-D4	6.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	95
2	Toluene	92	C7H8	000108-88-3	91
3	Toluene	92	C7H8	000108-88-3	91
4	Toluene	92	C7H8	000108-88-3	87
5	Toluene	92	C7H8	000108-88-3	87

****
Peak Number 2 2-Propenoic acid, 3-(1H-ind... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	13.42 ug/mL	4603930	Acenaphthene-d10	10.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 3-(1H-indol-3-...	187	C11H9NO2	001204-06-4	10
2	Benzene, 1-isocyanato-2-(trifluo...	187	C8H4F3NO	002285-12-3	9
3	3,5-Dimethyl-4-benzylisoxazole	187	C12H13NO	010557-84-3	9
4	Benzene, 1-isocyanato-3-(trifluo...	187	C8H4F3NO	000329-01-1	9
5	4-Fluoro-4,5-dichlorocyclohexane	170	C6H9Cl2F	000000-00-0	9

Tentatively Identified Compound (LSC) summary

Operator ID: MRC Date Acquired: 15 Jul 2005 10:46 pm
Data File: C:\MSDCHEM\1\DATA\7071505\0715722.D
Name: PB3238 x1
Misc: 625 [3520-3238]
Method: C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title: 5 POINT INITIAL CALIBRATION FOR 8270
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Toluene	3.09	13.7	ug/mL	3059710	1	6.18	895262	4.0
2-Propenoic acid,...	11.01	13.4	ug/mL	4603930	3	10.83	1372110	4.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715723.D Vial: 23
Acq On : 15 Jul 2005 11:21 pm Operator: MRC
Sample : LCS3238 x1 Inst : MSD7
Misc : 625 [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 23:46:56 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

mc 07-18-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.18	152	162806	4.00	ug/mL	-0.07
18) Naphthalene-D8	8.08	136	666439	4.00	ug/mL	-0.08
33) Acenaphthene-d10	10.84	164	318750	4.00	ug/mL	-0.08
55) Phenanthrene-D10	13.20	188	509349	4.00	ug/mL	-0.09
85) Chrysene-D12	17.42	240	297263	4.00	ug/mL	-0.09
93) Perylene-D12	19.53	264	178815	4.00	ug/mL	-0.10
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	4.46	112	314537	8.39	ug/mL	-0.06
Spiked Amount 10.000			Recovery = 83.90%			
17) Phenol-d6 (surr)	5.77	99	549717	9.98	ug/mL	-0.06
Spiked Amount 10.000			Recovery = 99.80%			
32) Nitrobenzene-d5 (surr)	7.02	128	219317	10.28	ug/mL	-0.07
Spiked Amount 10.000			Recovery = 102.80%			
53) 2-Fluorobiphenyl (surr)	9.82	172	933404	10.59	ug/mL	-0.08
Spiked Amount 10.000			Recovery = 105.90%			
54) 2,4,6-Tribromophenol (surr	12.11	330	104503	10.66	ug/mL	-0.08
Spiked Amount 10.000			Recovery = 106.60%			
92) 4-Terphenyl-d14 (surr)	15.80	244	871018	11.72	ug/mL	-0.09
Spiked Amount 10.000			Recovery = 117.20%			

Target Compounds						Qvalue
3) N-Nitrosodimethylamine	2.91	74	252513	10.71	ug/mL	90
4) Phenol	5.79	94	607604	9.57	ug/mL	97
5) Bis(2-chloroethyl)ether	5.86	93	482072	9.77	ug/mL	98
6) 2-Chlorophenol	5.91	128	450094	8.98	ug/mL	97
7) Benzyl Alcohol	6.44	108	283210	8.81	ug/mL	99
8) 1,3-Dichlorobenzene	6.09	146	237105	4.50	ug/mL	98
9) 1,4-Dichlorobenzene	6.20	146	264234	4.77	ug/mL	99
10) 1,2-Dichlorobenzene	6.42	146	275036	5.57	ug/mL	99
11) 2-Methylphenol	6.64	107	366288	9.88	ug/mL	94
12) 3-, 4-Methylphenol	6.89	107	917285	17.44	ug/mL#	88
13) Bis(2-chloroisopropyl)ethe	6.64	45	728114	10.31	ug/mL#	88
14) N-Nitrosodi-n-propylamine	6.84	70	307191	12.02	ug/mL	94
15) Hexachloroethane	6.90	117	72954	4.17	ug/mL	96
19) Nitrobenzene	7.05	77	495570	10.82	ug/mL	96
20) Isophorone	7.42	82	911064	12.72	ug/mL	99
21) 2-Nitrophenol	7.53	139	256840	9.28	ug/mL	97
22) 2,4-Dimethylphenol	7.67	122	349969	8.40	ug/mL	99
23) Benzoic Acid	7.94	122	68342	3.76	ug/mL#	1
24) Bis(2-chloroethoxy)methane	7.79	93	564398	10.66	ug/mL	99
25) 2,4-Dichlorophenol	7.92	162	349935	9.23	ug/mL	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715723.D Vial: 23
Acq On : 15 Jul 2005 11:21 pm Operator: MRC
Sample : LCS3238 x1 Inst : MSD7
Misc : 625 [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 23:46:56 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) 1,2,4-Trichlorobenzene	8.01	180	335244	8.08	ug/mL	95
27) Naphthalene	8.11	128	1222778	9.10	ug/mL	100
28) 4-Chloroaniline	8.28	127	258767	12.54	ug/mL	99
29) Hexachlorobutadiene	8.34	225	145173	7.10	ug/mL	99
30) 4-Chloro-3-methylphenol	9.08	107	371765	9.71	ug/mL	97
31) 2-Methylnaphthalene	9.20	142	932644	9.12	ug/mL	99
34) Hexachlorocyclopentadiene	9.47	237	44400	6.59	ug/mL	98
35) 2,4,6-Trichlorophenol	9.69	196	250591	9.75	ug/mL	97
36) 2,4,5-Trichlorophenol	9.76	196	270351	9.60	ug/mL	98
37) 2-Chloronaphthalene	9.96	162	833597	10.73	ug/mL	98
38) 2-Nitroaniline	10.19	65	253589	12.02	ug/mL	92
39) 3-Nitroaniline	10.87	138	107634	17.38	ug/mL	96
40) 1-Methylnaphthalene	9.35	142	903087	10.12	ug/mL	97
41) Dimethylphthalate	10.52	163	992203	11.19	ug/mL	99
42) Acenaphthylene	10.61	152	1377469	12.05	ug/mL	100
43) 2,6-Dinitrotoluene	10.59	165	226559	11.92	ug/mL	93
44) Acenaphthene	10.89	153	894520	11.34	ug/mL	99
45) 2,4-Dinitrophenol	11.03	184	109787	10.26	ug/mL#	83
46) 4-Nitrophenol	11.27	109	59789	7.59	ug/mL	91
47) Dibenzofuran	11.18	168	1181952	10.04	ug/mL	99
48) 2,4-Dinitrotoluene	11.23	165	290244	11.72	ug/mL	97
49) Fluorene	11.72	166	982523	11.40	ug/mL	99
50) Diethylphthalate	11.64	149	1027440	11.79	ug/mL	99
51) 4-Chlorophenyl phenyl ethe	11.76	204	455675	11.15	ug/mL	98
52) 4-Nitroaniline	11.89	138	95232	10.33	ug/mL	93
56) 4,6-Dinitro-2-methylphenol	11.87	198	150536	10.55	ug/mL#	87
57) Diphenylamine	11.97	169	761709	17.10	ug/mL	99
58) 4-bromophenyl phenyl ether	12.53	248	247007	11.39	ug/mL	96
59) Hexachlorobenzene	12.59	284	255252	11.41	ug/mL#	91
60) Pentachlorophenol	12.95	266	96871	7.36	ug/mL	99
61) Phenanthrene	13.24	178	1442946	11.26	ug/mL	99
63) Anthracene	13.32	178	1369668	11.14	ug/mL	99
64) Azobenzene	12.01	77	945961	10.87	ug/mL	95
65) Di-n-Butylphthalate	14.27	149	1730266	11.63	ug/mL	99
66) Fluoranthene	15.13	202	1368275	11.59	ug/mL	95
86) Pyrene	15.48	202	1396943	12.73	ug/mL#	93
87) Butylbenzylphthalate	16.65	149	663635	10.86	ug/mL	95
88) Benzo[a]anthracene	17.41	228	927884	10.65	ug/mL	99
89) 3,3'-Dichlorobenzidine	17.44	252	114317	8.98	ug/mL	96
90) Chrysene	17.46	228	936067	11.48	ug/mL	98
91) Bis(2-ethylhexyl)phthalate	17.61	149	867191	10.04	ug/mL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715723.D Vial: 23
Acq On : 15 Jul 2005 11:21 pm Operator: MRC
Sample : LCS3238 x1 Inst : MSD7
Misc : 625 [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 15 23:46:56 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
94)	Di-n-octylphthalate	18.59	149	1128364	9.30	ug/mL	100
95)	Benzo[b]fluoranthene	19.01	252	628428	10.90	ug/mL	98
96)	Benzo[k]fluoranthene	19.05	252	797599	12.84	ug/mL	98
97)	Benzo[a]pyrene	19.45	252	558739	12.01	ug/mL	97
98)	Indeno(1,2,3-c,d)pyrene	21.24	276	228315m	7.83	ug/mL	
99)	Dibenzo[a,h]anthracene	21.29	278	276682	9.27	ug/mL	98
100)	Benzo[g,h,i]perylene	21.73	276	343781	11.21	ug/mL	99

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

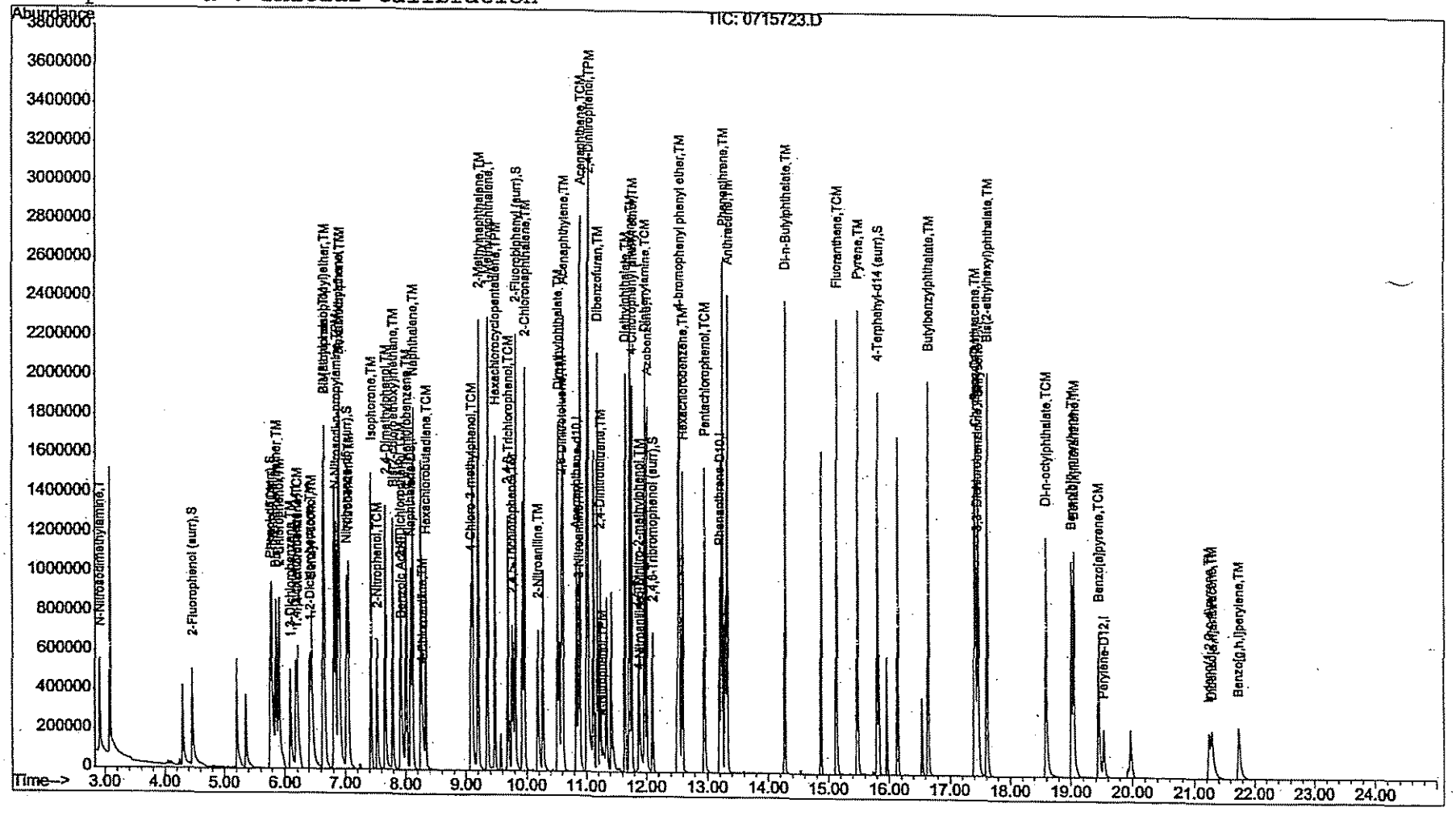
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715723.D
Acq On : 15 Jul 2005 11:21 pm
Sample : LCS3238 x1
Misc : 625 [3520-3238]
MS Integration Params: rteint.p
Quant Time: Jul 18 15:33 2005

Vial: 23
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7071805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration



0715723.D 8270.M Mon Jul 18 15:44:12 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715724.D Vial: 24
Acq On : 15 Jul 2005 11:56 pm Operator: MRC
Sample : G161-2070-3H MS x1 Inst : MSD7
Misc : 625 [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 16 00:21:37 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MRC 07-18-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.18	152	177094	4.00	ug/mL	-0.07
18) Naphthalene-D8	8.08	136	713182	4.00	ug/mL	-0.08
33) Acenaphthene-d10	10.84	164	339839	4.00	ug/mL	-0.08
55) Phenanthrene-D10	13.20	188	537547	4.00	ug/mL	-0.09
85) Chrysene-D12	17.42	240	295488	4.00	ug/mL	-0.10
93) Perylene-D12	19.53	264	170008	4.00	ug/mL	-0.10
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	4.46	112	352685m	8.65	ug/mL	-0.06
Spiked Amount 10.000			Recovery = 86.50%			
17) Phenol-d6 (surr)	5.77	99	554096	9.24	ug/mL	-0.06
Spiked Amount 10.000			Recovery = 92.40%			
32) Nitrobenzene-d5 (surr)	7.02	128	220631	9.67	ug/mL	-0.07
Spiked Amount 10.000			Recovery = 96.70%			
53) 2-Fluorobiphenyl (surr)	9.81	172	935759	9.96	ug/mL	-0.08
Spiked Amount 10.000			Recovery = 99.60%			
54) 2,4,6-Tribromophenol (surr	12.11	330	106072	10.15	ug/mL	-0.08
Spiked Amount 10.000			Recovery = 101.50%			
92) 4-Terphenyl-d14 (surr)	15.80	244	813881	11.02	ug/mL	-0.09
Spiked Amount 10.000			Recovery = 110.20%			

Target Compounds						Qvalue
3) N-Nitrosodimethylamine	2.91	74	249063	9.72	ug/mL	97
4) Phenol	5.79	94	651699	9.44	ug/mL	99
5) Bis(2-chloroethyl)ether	5.86	93	472840	8.81	ug/mL	98
6) 2-Chlorophenol	5.90	128	448758	8.23	ug/mL	96
7) Benzyl Alcohol	6.44	108	281871	8.08	ug/mL	97
8) 1,3-Dichlorobenzene	6.09	146	249925	4.36	ug/mL	98
9) 1,4-Dichlorobenzene	6.20	146	276490	4.59	ug/mL	99
10) 1,2-Dichlorobenzene	6.42	146	281345	5.24	ug/mL	99
11) 2-Methylphenol	6.64	107	364580	9.04	ug/mL	95
12) 3-, 4-Methylphenol	6.89	107	914723	15.98	ug/mL#	89
13) Bis(2-chloroisopropyl)ethe	6.63	45	715215	9.31	ug/mL	94
14) N-Nitrosodi-n-propylamine	6.84	70	306696	11.03	ug/mL	97
15) Hexachloroethane	6.90	117	79650	4.19	ug/mL	90
19) Nitrobenzene	7.05	77	595953	12.16	ug/mL	97
20) Isophorone	7.42	82	894448	11.67	ug/mL	100
21) 2-Nitrophenol	7.53	139	265680	8.97	ug/mL	96
22) 2,4-Dimethylphenol	7.67	122	318859	7.15	ug/mL	99
23) Benzoic Acid	7.94	122	146035	5.96	ug/mL#	3
24) Bis(2-chloroethoxy)methane	7.79	93	553935	9.77	ug/mL	98
25) 2,4-Dichlorophenol	7.92	162	349643	8.62	ug/mL	97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715724.D Vial: 24
Acq On : 15 Jul 2005 11:56 pm Operator: MRC
Sample : G161-2070-3H MS x1 Inst : MSD7
Misc : 625 [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 16 00:21:37 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) 1,2,4-Trichlorobenzene	8.01	180	341799	7.70	ug/mL	97
27) Naphthalene	8.11	128	1211489	8.43	ug/mL	99
28) 4-Chloroaniline	8.29	127	174682	9.40	ug/mL	98
29) Hexachlorobutadiene	8.34	225	150208	6.86	ug/mL	97
30) 4-Chloro-3-methylphenol	9.08	107	381772	9.31	ug/mL	99
31) 2-Methylnaphthalene	9.20	142	918615	8.39	ug/mL	99
34) Hexachlorocyclopentadiene	9.47	237	35049	5.10	ug/mL	99
35) 2,4,6-Trichlorophenol	9.69	196	254156	9.28	ug/mL	100
36) 2,4,5-Trichlorophenol	9.76	196	274324	9.14	ug/mL	99
37) 2-Chloronaphthalene	9.96	162	853628	10.31	ug/mL	99
38) 2-Nitroaniline	10.19	65	126497	5.62	ug/mL	92
39) 3-Nitroaniline	10.87	138	68578	12.87	ug/mL	95
40) 1-Methylnaphthalene	9.35	142	890332	9.36	ug/mL	98
41) Dimethylphthalate	10.52	163	993301	10.51	ug/mL	99
42) Acenaphthylene	10.61	152	1366861	11.22	ug/mL	100
43) 2,6-Dinitrotoluene	10.59	165	222658	10.98	ug/mL	96
44) Acenaphthene	10.89	153	877793	10.44	ug/mL	99
45) 2,4-Dinitrophenol	11.03	184	113625	9.96	ug/mL#	90
46) 4-Nitrophenol	11.27	109	69876	8.21	ug/mL	86
47) Dibenzofuran	11.18	168	1155013	9.20	ug/mL	98
48) 2,4-Dinitrotoluene	11.23	165	297248	11.26	ug/mL	95
49) Fluorene	11.72	166	968639	10.54	ug/mL	100
50) Diethylphthalate	11.64	149	1022448	11.00	ug/mL	100
51) 4-Chlorophenyl phenyl ethe	11.76	204	449416	10.32	ug/mL	97
52) 4-Nitroaniline	11.88	138	39677	4.47	ug/mL#	59
56) 4,6-Dinitro-2-methylphenol	11.87	198	161029	10.69	ug/mL	90
57) Diphenylamine	11.96	169	704212	14.98	ug/mL	99
58) 4-bromophenyl phenyl ether	12.53	248	248196	10.84	ug/mL	97
59) Hexachlorobenzene	12.59	284	252305	10.69	ug/mL	93
60) Pentachlorophenol	12.95	266	108429	7.75	ug/mL	99
61) Phenanthrene	13.24	178	1420284	10.51	ug/mL	99
63) Anthracene	13.32	178	1358295	10.47	ug/mL	99
64) Azobenzene	12.00	77	932457	10.15	ug/mL	95
65) Di-n-Butylphthalate	14.27	149	1788602	11.39	ug/mL	99
66) Fluoranthene	15.13	202	1336182	10.72	ug/mL	97
86) Pyrene	15.48	202	1369391	12.56	ug/mL	95
87) Butylbenzylphthalate	16.65	149	646295	10.64	ug/mL	95
88) Benzo[a]anthracene	17.40	228	868202	10.02	ug/mL	98
89) 3,3'-Dichlorobenzidine	17.44	252	81887	7.20	ug/mL	93
90) Chrysene	17.46	228	883309	10.89	ug/mL	100
91) Bis(2-ethylhexyl)phthalate	17.61	149	845712	9.85	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715724.D Vial: 24
Acq On : 15 Jul 2005 11:56 pm Operator: MRC
Sample : G161-2070-3H MS x1 Inst : MSD7
Misc : 625 [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 16 00:21:37 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
94)	Di-n-octylphthalate	18.59	149	1054008	9.14	ug/mL	100
95)	Benzo[b]fluoranthene	19.01	252	599329	10.94	ug/mL	99
96)	Benzo[k]fluoranthene	19.05	252	714543	12.10	ug/mL	99
97)	Benzo[a]pyrene	19.45	252	502809	11.36	ug/mL	100
98)	Indeno(1,2,3-c,d)pyrene	21.24	276	206855m	7.53	ug/mL	
99)	Dibenzo[a,h]anthracene	21.29	278	229381	8.22	ug/mL	99
100)	Benzo[g,h,i]perylene	21.73	276	297559	10.20	ug/mL	96

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

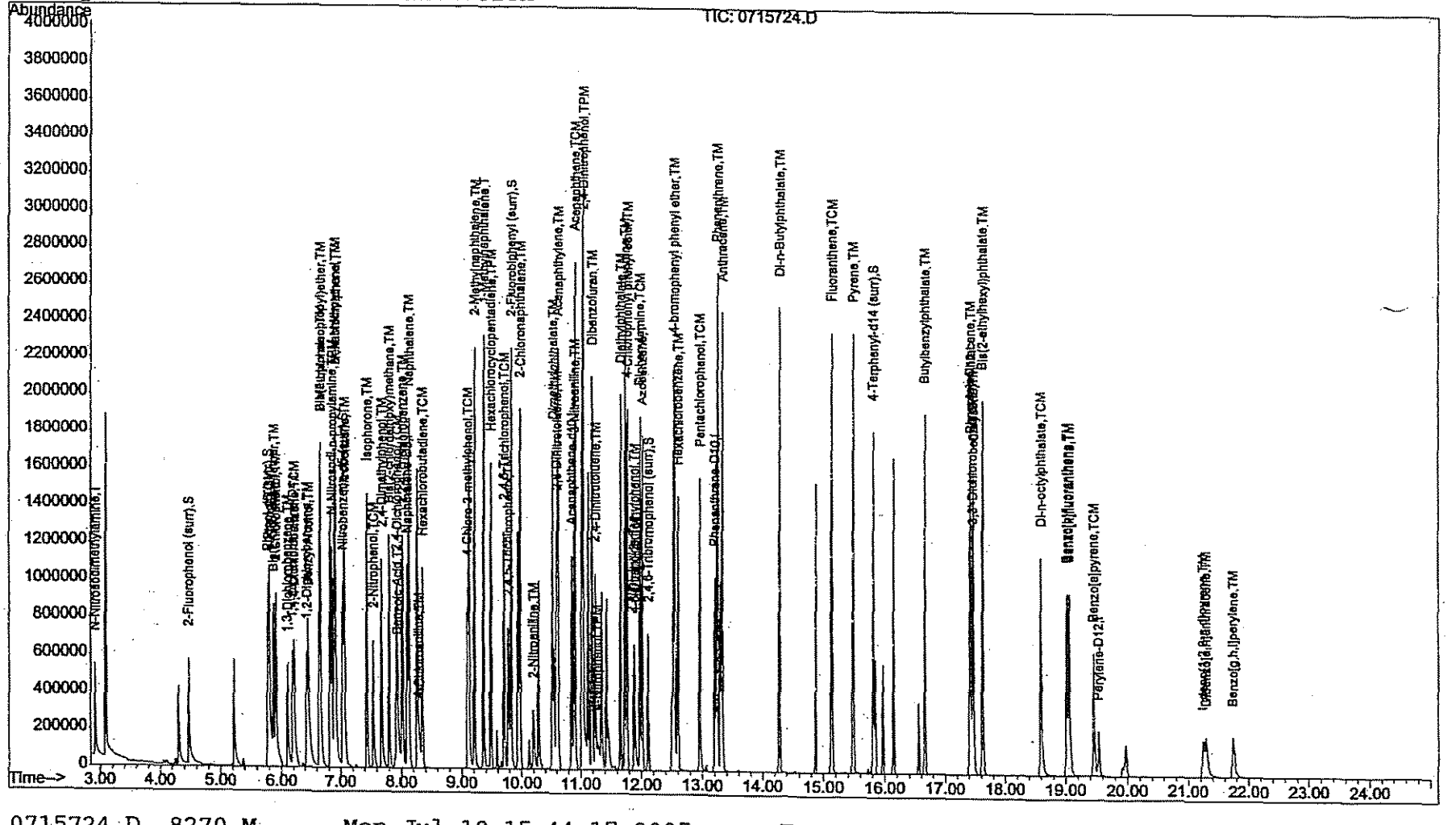
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715724.D
Acq On : 15 Jul 2005 11:56 pm
Sample : G161-2070-3H MS x1
Misc : 625 [3520-3238]
MS Integration Params: rteint.p
Quant Time: Jul 18 15:34 2005

Vial: 24
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7071805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715725.D Vial: 25
Acq On : 16 Jul 2005 12:32 am Operator: MRC
Sample : G161-2070-3I MSD x1 Inst : MSD7
Misc : 625 [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 16 00:57:13 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

mc 07-18-05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	6.18	152	169514	4.00 ug/mL	-0.07
18) Naphthalene-D8	8.08	136	688429	4.00 ug/mL	-0.08
33) Acenaphthene-d10	10.84	164	332904	4.00 ug/mL	-0.08
55) Phenanthrene-D10	13.20	188	522153	4.00 ug/mL	-0.09
85) Chrysene-D12	17.42	240	295722	4.00 ug/mL	-0.10
93) Perylene-D12	19.53	264	182619	4.00 ug/mL	-0.10
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	4.47	112	348010m	8.92 ug/mL	-0.06
Spiked Amount 10.000			Recovery	= 89.20%	
17) Phenol-d6 (surr)	5.77	99	531826	9.27 ug/mL	-0.06
Spiked Amount 10.000			Recovery	= 92.70%	
32) Nitrobenzene-d5 (surr)	7.02	128	209602	9.51 ug/mL	-0.07
Spiked Amount 10.000			Recovery	= 95.10%	
53) 2-Fluorobiphenyl (surr)	9.82	172	878716	9.55 ug/mL	-0.08
Spiked Amount 10.000			Recovery	= 95.50%	
54) 2,4,6-Tribromophenol (surr	12.11	330	96365	9.41 ug/mL	-0.08
Spiked Amount 10.000			Recovery	= 94.10%	
92) 4-Terphenyl-d14 (surr)	15.80	244	707721	9.57 ug/mL	-0.09
Spiked Amount 10.000			Recovery	= 95.70%	

Target Compounds					Qvalue
3) N-Nitrosodimethylamine	2.92	74	244145	9.95 ug/mL#	93
4) Phenol	5.79	94	615345	9.31 ug/mL	98
5) Bis(2-chloroethyl)ether	5.86	93	480329	9.35 ug/mL	98
6) 2-Chlorophenol	5.91	128	443513	8.50 ug/mL	97
7) Benzyl Alcohol	6.44	108	270305	8.09 ug/mL	97
8) 1,3-Dichlorobenzene	6.09	146	247412	4.51 ug/mL	99
9) 1,4-Dichlorobenzene	6.20	146	277996	4.82 ug/mL	99
10) 1,2-Dichlorobenzene	6.42	146	280310	5.45 ug/mL	100
11) 2-Methylphenol	6.64	107	345787	8.95 ug/mL	97
12) 3-, 4-Methylphenol	6.89	107	866134	15.81 ug/mL#	88
13) Bis(2-chloroisopropyl)ethe	6.64	45	700362	9.52 ug/mL#	89
14) N-Nitrosodi-n-propylamine	6.84	70	286912	10.78 ug/mL	97
15) Hexachloroethane	6.90	117	78646	4.32 ug/mL	91
19) Nitrobenzene	7.05	77	569928	12.05 ug/mL	96
20) Isophorone	7.42	82	841494	11.37 ug/mL	100
21) 2-Nitrophenol	7.53	139	256440	8.97 ug/mL	95
22) 2,4-Dimethylphenol	7.67	122	280228	6.51 ug/mL	100
23) Benzoic Acid	7.94	122	160762	6.58 ug/mL#	15
24) Bis(2-chloroethoxy)methane	7.79	93	527356	9.64 ug/mL	98
25) 2,4-Dichlorophenol	7.92	162	331128	8.45 ug/mL	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715725.D
Acq On : 16 Jul 2005 12:32 am
Sample : G161-2070-3I MSD x1
Misc : 625 [3520-3238]
MS Integration Params: rteint.p
Quant Time: Jul 16 00:57:13 2005

Vial: 25
Operator: MRC
Inst : MSD7
Multiplr: 1.00
Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	1,2,4-Trichlorobenzene	8.01	180	331559	7.73	ug/mL	96
27)	Naphthalene	8.11	128	1175818	8.47	ug/mL	99
28)	4-Chloroaniline	8.29	127	187709	10.06	ug/mL	95
29)	Hexachlorobutadiene	8.34	225	148281	7.02	ug/mL	98
30)	4-Chloro-3-methylphenol	9.08	107	351698	8.89	ug/mL	99
31)	2-Methylnaphthalene	9.20	142	876614	8.30	ug/mL	98
34)	Hexachlorocyclopentadiene	9.47	237	24386	3.86	ug/mL	99
35)	2,4,6-Trichlorophenol	9.69	196	240149	8.95	ug/mL	98
36)	2,4,5-Trichlorophenol	9.76	196	258677	8.80	ug/mL	99
37)	2-Chloronaphthalene	9.96	162	780244	9.62	ug/mL	99
38)	2-Nitroaniline	10.19	65	157042	7.13	ug/mL	92
39)	3-Nitroaniline	10.87	138	70997	13.28	ug/mL	96
40)	1-Methylnaphthalene	9.35	142	847973	9.10	ug/mL	97
41)	Dimethylphthalate	10.52	163	910780	9.83	ug/mL	100
42)	Acenaphthylene	10.61	152	1263880	10.59	ug/mL	100
43)	2,6-Dinitrotoluene	10.59	165	205833	10.36	ug/mL	92
44)	Acenaphthene	10.89	153	816038	9.91	ug/mL	99
45)	2,4-Dinitrophenol	11.03	184	108001	9.67	ug/mL#	83
46)	4-Nitrophenol	11.27	109	60528	7.39	ug/mL	95
47)	Dibenzofuran	11.18	168	1074411	8.74	ug/mL	98
48)	2,4-Dinitrotoluene	11.23	165	271488	10.50	ug/mL	94
49)	Fluorene	11.72	166	895639	9.95	ug/mL	99
50)	Diethylphthalate	11.64	149	947430	10.41	ug/mL	99
51)	4-Chlorophenyl phenyl ethe	11.76	204	416995	9.77	ug/mL	97
52)	4-Nitroaniline	11.88	138	45773	5.14	ug/mL	88
56)	4,6-Dinitro-2-methylphenol	11.87	198	143928	9.83	ug/mL#	90
57)	Diphenylamine	11.97	169	647450	14.18	ug/mL	98
58)	4-bromophenyl phenyl ether	12.53	248	226304	10.18	ug/mL	95
59)	Hexachlorobenzene	12.59	284	232510	10.14	ug/mL	94
60)	Pentachlorophenol	12.95	266	100002	7.40	ug/mL	97
61)	Phenanthrene	13.24	178	1306664	9.95	ug/mL	99
63)	Anthracene	13.32	178	1249789	9.91	ug/mL	99
64)	Azobenzene	12.00	77	880700	9.87	ug/mL	94
65)	Di-n-Butylphthalate	14.27	149	1646314	10.79	ug/mL	99
86)	Pyrene	15.48	202	1259732	11.54	ug/mL	94
87)	Butylbenzylphthalate	16.65	149	606275	9.97	ug/mL	94
88)	Benzo[a]anthracene	17.41	228	812964	9.38	ug/mL	99
89)	3,3'-Dichlorobenzidine	17.43	252	79298	7.06	ug/mL	96
90)	Chrysene	17.46	228	842808	10.39	ug/mL	98
91)	Bis(2-ethylhexyl)phthalate	17.61	149	819452	9.53	ug/mL	99
94)	Di-n-octylphthalate	18.59	149	1020965	8.24	ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715725.D Vial: 25
Acq On : 16 Jul 2005 12:32 am Operator: MRC
Sample : G161-2070-3I MSD x1 Inst : MSD7
Misc : 625 [3520-3238] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 16 00:57:13 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7071505\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95)	Benzo[b]fluoranthene	19.01	252	574247	9.76	ug/mL	99
96)	Benzo[k]fluoranthene	19.05	252	712309	11.23	ug/mL	99
97)	Benzo[a]pyrene	19.45	252	492152	10.35	ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	21.24	276	200598m	6.93	ug/mL	
99)	Dibenzo[a,h]anthracene	21.29	278	253200	8.41	ug/mL	98
100)	Benzo[g,h,i]perylene	21.74	276	304970	9.73	ug/mL	96

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

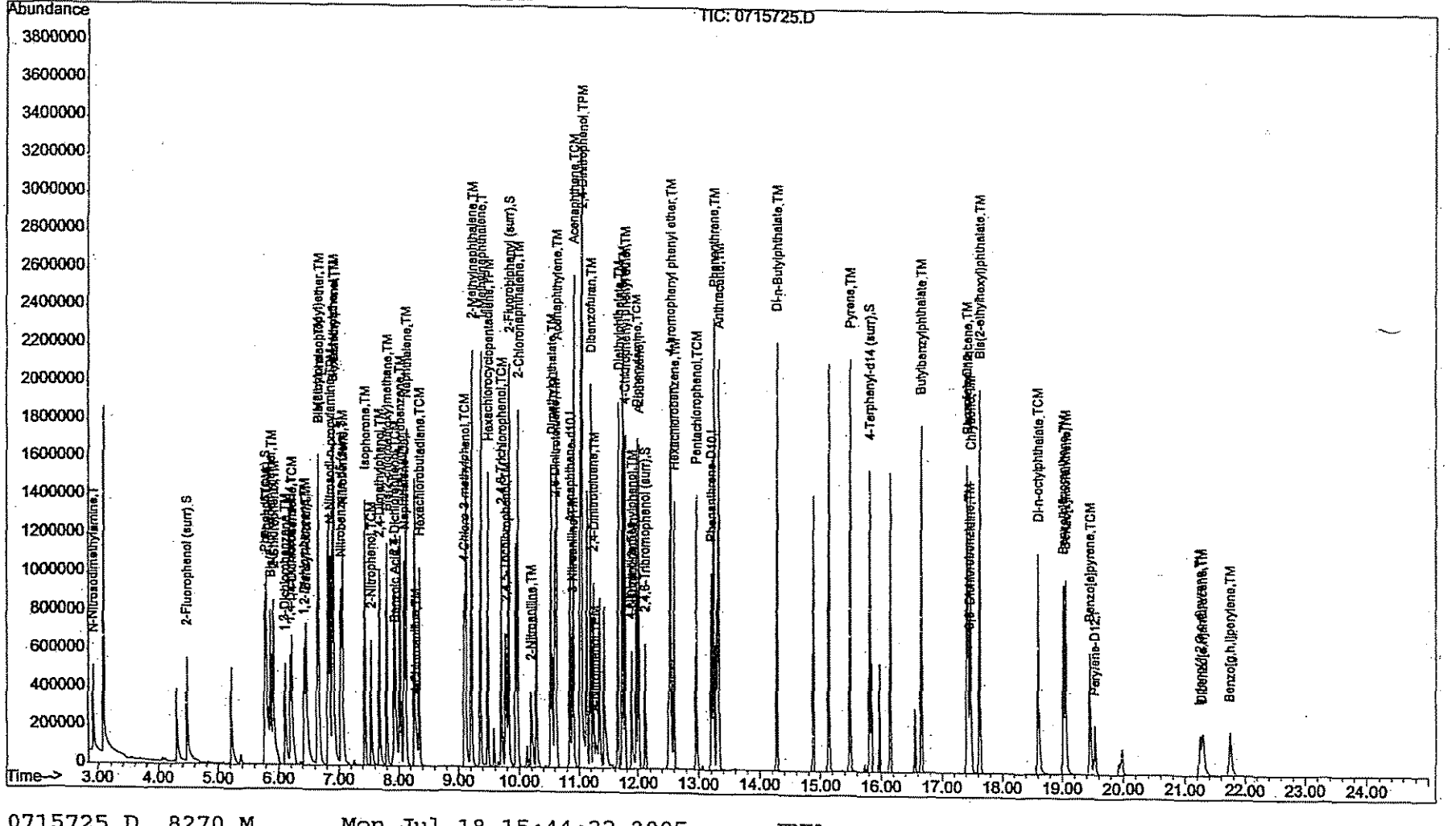
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7071505\0715725.D
Acq On : 16 Jul 2005 12:32 am
Sample : G161-2070-3I MSD x1
Misc : 625 [3520-3238]
MS Integration Params: rteint.p
Quant Time: Jul 18 15:35 2005

Vial: 25
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7071805\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Jul 13 11:45:52 2005
Response via : Initial Calibration



625 Prep, Standard, Run Logs

3520 / 8270 WATER Log

Paradigm Analytical Lab

Batch: 3520/8270 - 3238

Lab ID	EXT	Date	CH2Cl2 Lot #	Initial Vol (mL)	Spike ID	Spike Vol (mL)	Final Vol (mL)	Tech's Init
pb3238	pb	2005-07-15	co493	500	SR: 8270srsvo3w20c	SR: .5	5	nio
G161-2070-3I	msd	2005-07-15	co493	233	QC: 8270svmso1w14e SR: 8270srsvo3w20c	QC: .5 SR: .5	5	nio
G161-2070-3H	ms	2005-07-15	co493	233	QC: 8270svmso1w14e SR: 8270srsvo3w20c	QC: .5 SR: .5	5	nio
lcs3238	lcs	2005-07-15	co493	500	QC: 8270svmso1w14e SR: 8270srsvo3w20c	QC: .5 SR: .5	5	nio
G122-2618-1H	dup	2005-07-15	co493	450	SR: 8270srsvo3w20c	SR: .5	5	nio
G106-528-2K		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G128-1561-1E		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G128-1561-2E		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G128-1561-3E		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G161-2069-1L		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G161-2069-2L		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G122-2618-1G		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G122-2618-2G		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G122-2618-3G		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G122-2618-4G		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G122-2618-5G		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G122-2618-6G		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G122-2618-7G		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G122-2618-8G		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G161-2070-1L		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G161-2070-2J		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio
G161-2070-3G		2005-07-15	co493	500	8270srsvo3w20c	.5	5	nio

Comments: _____

_____

Technician's Signature: _____ Date: _____

Paradigm Analytical
MSD6 Runlog

Method: 8270 / 625
Matrix: Water / Soil
ICAL Batch ID: 6041405B
Batch: 6041405B

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W12-V
CAL STD ID: SVMS01-W12-V
IS STD ID: SVMS01-W12-C

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
0414601B.D	DFTPP 50ng	4/14/2005 15:45	OK			MRC	
0414602B.D	SVCAL0.5	4/14/2005 16:07				MRC	
0414608B.D	SVCAL16	4/14/2005 16:38				MRC	
0414603B.D	SVCAL1	4/14/2005 17:07	1,4-DIOXANE			MRC	
0414604B.D	SVCAL2	4/14/2005 17:35	CURVE			MRC	
0414605B.D	SVCAL4	4/14/2005 18:05				MRC	
0414606B.D	SVCAL8	4/14/2005 18:34				MRC	
0414607B.D	SVCAL12	4/14/2005 19:04				MRC	
0414611B.D	DFTPP 50ng	4/14/2005 19:28	OK			MRC	
0414612B.D	SVCAL8	4/14/2005 19:51	OK			MRC	
0414613B.D	PB2621 x1	4/14/2005 20:20		OK	OK	MRC	
0414614B.D	LCS2621 x1	4/14/2005 20:50				MRC	
0414615B.D	G296-220-9G MS x1	4/14/2005 21:19				MRC	
0414616B.D	G296-220-9H MSD x1	4/14/2005 21:48				MRC	
0414617B.D	G296-220-11G DUP x1	4/14/2005 22:18				MRC	
0414618B.D	G296-220-1F x1	4/14/2005 22:47				MRC	
0414619B.D	G296-220-2F x1	4/14/2005 23:16				MRC	
0414620B.D	G296-220-3F x1	4/14/2005 23:45				MRC	
0414621B.D	G296-220-4F x1	4/15/2005 0:14				MRC	
0414622B.D	G296-220-6F x1	4/15/2005 0:44				MRC	

Analyst: [illegible]

Page Number: 1831

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: MRC

Page Number: 1376

Paradigm Analytical
MSD7 Runlog

Method: 8270 / 625
Matrix: Water / Soil
Init.Cal. Batch 7062405
Batch: 7071505

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
0715701.D	DFTPP 50ng	7/15/2005 10:57	OK			MRC	
0715702.D	SVCVS24	7/15/2005 11:20	OK			MRC	
0715703.D	SVCVS6	7/15/2005 11:53	OK			MRC	
0715704.D	PB3227 x1	7/15/2005 12:28		OK	OK	MRC	
0715705.D	LCS3227 x1	7/15/2005 13:02				MRC	
0715706.D	G122-2617-10H MS x1	7/15/2005 13:36				MRC	
0715707.D	G122-2617-10I MSD x1	7/15/2005 14:11				MRC	
0715708.D	G122-2617-10G x1	7/15/2005 14:46				MRC	
0715709.D	G161-2068-1G x1	7/15/2005 15:20				MRC	
0715710.D	G546-41-9C x1	7/15/2005 15:55				MRC	
0715711.D	G546-41-18C x1	7/15/2005 16:28				MRC	
0715712.D	G546-41-27C x1	7/15/2005 17:02				MRC	
0715713.D	G546-41-36C x1	7/15/2005 17:37				MRC	
0715714.D	PB3233 x1	7/15/2005 18:11				MRC	
0715715.D	LCS3233 x1	7/15/2005 18:44				MRC	
0715716.D	G204-469-3H MS x1	7/15/2005 19:19				MRC	
0715717.D	G204-469-3I MSD x1	7/15/2005 19:55				MRC	
0715718.D	G204-469-1G x1	7/15/2005 20:30				MRC	
0715719.D	G204-469-2G x1	7/15/2005 21:04				MRC	
0715720.D	G204-469-3G x1	7/15/2005 21:38				MRC	

Analyst: [illegible]

Page Number: 1798

Paradigm Analytical
MSD7 Runlog

Method: 8270 / 625
Matrix: Water / Soil
Init.Cal. Batch 7062405
Batch: 7071505

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
0715721.D	G204-469-4G x1	7/15/2005 22:12		OK	OK	MRC	
0715722.D	PB3238 x1	7/15/2005 22:46				MRC	
0715723.D	LCS3238 x1	7/15/2005 23:21				MRC	
0715724.D	G161-2070-3H MS x1	7/15/2005 23:56				MRC	
0715725.D	G161-2070-3I MSD x1	7/16/2005 0:32				MRC	
0715726.D	G122-2618-1H DUP x1	7/16/2005 1:06				MRC	
0715727.D	G128-1561-1E x1	7/16/2005 1:40				MRC	
0715728.D	G128-1561-2E x1	7/16/2005 2:14				MRC	
0715729.D	G128-1561-3E x1	7/16/2005 2:50				MRC	
0715730.D	G161-2069-1L x1	7/16/2005 3:25				MRC	
0715731.D	G161-2069-2L x1	7/16/2005 3:59				MRC	
0715732.D	G161-2070-1L x1	7/16/2005 4:35				MRC	
0715733.D	G161-2070-2J x1	7/16/2005 5:09				MRC	
0715734.D	G161-2070-3G x1	7/16/2005 5:43				MRC	

Analyst: [illegible]

Page Number: 1399

NORTH STATE MILLING PROPERTY
DATA VALIDATION PACKAGES

NORTH STATE MILLING CHECKLIST– June/July 2005 Sampling

Paradigm Report # Date Collected	Sample Identification(s)	
G161-2047 Collected June 28, 2005	NS1-5	
	NS1-12	
	NS2-5	
	NS2-10	
	NS2-10 (DUP) (QC)	
	NS2-15	
	Trip Blank (QC)	
G161-2070 Collected July 13, 2005	NSMW-1	
	NSMW-2	

ARCADIS G&M, Inc.
4915 Prospectus Drive, Suite F
Durham, North Carolina 27713
Tel 919-544-4535
Fax 919-544-5690

Project: North State Milling

GROUNDWATER

Project Number:
NC105012.0001.RN001

Sample Team:	Jason Ricks (ECS Carolinas, LLP)
Sample Matrix:	Groundwater
Analyzing Laboratories:	Paradigm Analytical, Wilmington, North Carolina
Analyses:	Volatile Organics (VOC)/8260-5035; Semi-VOCs (SVOC)/8270-BN; Volatile Petroleum Hydrocarbons (VPH)/MDEP-VPH; Extractable Petroleum Hydrocarbons (EPH)/MDEP-EPH; Ethylene Dibromide (EDB)/504.1; and RCRA Metals/6010B and 7470
QA Reporting Levels:	All samples received a Level II Data Validation.

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 these June/July 2005 groundwater samples. It should be noted that field QC samples were collected at the appropriate frequency.

One blind field duplicate was collected during this sampling event:

- NS2-10 (DUP) is the blind field duplicate for primary sample NS2-10.

One Trip 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)/8260-5035; Volatile Petroleum Hydrocarbons (VPH)/MDEP-VPH; and Ethylene Dibromide (EDB)/504.1. Performance was acceptable, with the following exceptions and notes:

2. Due to the abundance of one or more target analytes, the following samples were diluted, with reporting limits raised accordingly.

   NS1-5 All VOCs (1:100)
   NS2-5 All VOCs (1:100)

3A. The Method Blanks (MB) associated with each batch of samples did not detect any of the target compounds above the reporting limit.

3D. None of the target compounds were detected in the Trip Blank.

4-6. Sample NS4-15 and batch samples were used for the MS/MSD analyses. Because sample NS4-15 was not included as part of this validation, no action was taken on these results. Batch samples were not evaluated for matrix interference with our samples.

7-9. The LCS recoveries for VPH were within control limits. The LCS/LCSD recoveries and RPD for the VOC short-list of compounds were within control limits. However, the full list of VOC LCS recoveries contained some deviations. The recoveries for bromomethane and iodomethane in the LCS associated with sample NS1-5 and NS2-5 were above the control limit. Any

detected results for these compounds in these samples were qualified as estimated "J." The recoveries for 1,2-dibromo-3-chloropropane and trans-1,4-dichloro-2-butene were below the control limit in the LCS associated with samples NS1-12, NS2-10, NS2-10 (DUP) and NS2-15. The results for these compounds in these samples were qualified as estimated "J" if detected and "UJ" in nondetect.

10. The VPH surrogate recoveries in sample NS1-5 and NS2-5 were above the control limit due to matrix interference. Any detected VPH results in these samples were qualified as estimated "J" if detected.

11. The field duplicate sample criteria were met for VOCs and VPH for blind field duplicate, NS2-10 (DUP), and its primary sample, NS2-10.

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. Sample NS2-15 and batch sample were used for the MS/MSD analyses. Because sample NS2-15 was not included as part of this validation, no action was taken on these results. The batch sample was not evaluated for matrix interference with our samples.

7. The EPH LCS recoveries were within control limits. The SVOC LCS recoveries for the following compounds were above the control limit: benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, 1,4-dichlorobenzene, Indeno(1,2,3-cd)pyrene, diphenylamine, and pyrene. Any detected results for these compounds in all of the samples were qualified as estimated "J."

11. The field duplicate sample criteria were met for SVOCs and EPH for blind field duplicate, NS2-10 (DUP), and its primary sample, NS2-10.

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 6010B/7470 for RCRA Metals. Performance was acceptable, with the following exceptions and notes.

3A. None of the blanks detected any of the target metals at concentrations above the reporting limit.

4-6. The LCS/LCSD recoveries and RPD were within control limits.

7-9. Sample NSMW-2 was used for the MS/MSD analysis. The recoveries and RPD were within control limits.

DATA VALIDATION CHECKLIST
SUMMARY AND DATA QUALIFIER CODES

Paradigm Report # Date Collected	**Sample Identification(s)**	
G161-2047 Collected June 28, 2005	NS1-5	
	NS1-12	
	NS2-5	
	NS2-10	
	NS2-10 (DUP) (QC)	
	NS2-15	
	Trip Blank (QC)	
G161-2070 Collected July 13, 2005	NSMW-1	
	NSMW-2	

Sample Team:	Jason Ricks (ECS Carolinas, LLP)
Sample Matrix:	Groundwater
Analyzing Laboratories:	Paradigm Analytical, Wilmington, North Carolina
Analyses:	Volatile Organics (VOC)/8260-5035; Semi-VOCs (SVOC)/8270-BN; Volatile Petroleum Hydrocarbons (VPH)/MDEP-VPH; Extractable Petroleum Hydrocarbons (EPH)/MDEP-EPH; Ethylene Dibromide (EDB)/504 1; and RCRA Metals/6010B and 7470
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: Timothy A. Gle

DATE: April 24, 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# 47715
Page 1 of 2

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

Project ID: North State Milling
Contact: Jason Ricks
Phone: (336) 856-7150
Fax: 856-7160

Date: 6/29/05
Turnaround: Standard
Job Number: G-9506
P.O. Number:

Report To: jricks@ecslimited.com
Invoice To:

Sample ID	Date	Time	Matrix	Preservatives: None	Meth	Na bisulfate		Analyses: 8260/5035	8270 BN	EPH	VPH							Comments: Please specify any special reporting requirements
NS1 -5	JR 6/29/05	9:45	S	X	X	X		X	X	X	X							City of Greensboro Project
NS1 -10		9:50		X	X	X		X	X	X	X						Do Not Report 8260/5035	
NS1 -12		9:52		X	X	X		X	X	X	X							
NS2 -5		10:00		X	X	X		X	X	X	X							
NS2 -10		10:05		X	X	X		X	X	X	X							
NS2 -10 (Dup)		10:05		X	X	X		X	X	X	X							
NS2 -15		10:07		X	X	X		X	X	X	X							
NS2 -18		10:10		X	X	X		X	X	X	X							
NS3 -5		10:27		X	X	X		X	X	X	X							
NS3 -10		10:30		X	X	X		X	X	X	X							

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
[signature]	6/29/05	7:00	[signature]	6/30/05	1020	2.8°C 4.2°C	NC (X) SC ____ Other ____

SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

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# 47714

Page 2 of 2

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

Project ID: North State Milling
Contact: Jason Ricks
Phone: (336) 856-7150
Fax: 856-7160

Date: 6/29/05
Turnaround: Standard
Job Number: G-9506
P.O. Number:

Report To: jricks@ecslimited.com
Invoice To:

Sample ID	Date	Time	Matrix	Preservatives: None	Meth	Na Bisulfate	~~HCl~~	Analyses: 8260/5035	8270 BN	EPH	VPH							Comments: Please specify any special reporting requirements
																		G141-2077
NS3-15	6/28/05	10:35	S	X	X	X		X	X	X	X							City of
NS3-18.5	↓	10:40	↓	X	X	X		X	X	X	X							Greensboro
NS4-5	↓	11:04	↓	X	X	X		X	X	X	X							
NS4-10	↓	11:06	↓	X	X	X		X	X	X	X							Project
NS4-15	↓	11:09	↓	X	X	X		X	X	X	X							
NS4-20	↓	11:14	↓	X	X	X		X	X	X	X							
Trip Blank	↓	-	Blank		X	X	~~X~~	X										

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
Jason Ricks	6/29/05	7:00	[illegible]	6/30/05	1020	2.8°C 4.2°C	NC (X) SC ____ Other ____

SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

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

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: NS1-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-1D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 9:45
Date Received: 6/30/05
Matrix: Soil
%Solids: 96.1

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	1.86	100	7/2/05
Benzene	BQL	0.0744	100	7/2/05
Bromobenzene	BQL	0.0744	100	7/2/05
Bromochloromethane	BQL	0.0744	100	7/2/05
Bromodichloromethane	BQL	0.0744	100	7/2/05
Bromoform	BQL	0.0744	100	7/2/05
Bromomethane	BQL	0.0744	100	7/2/05
2-Butanone	BQL	1.86	100	7/2/05
n-Butylbenzene	**0.278**	0.0744	100	7/2/05
sec-Butylbenzene	**0.189**	0.0744	100	7/2/05
tert-Butylbenzene	**0.0982**	0.0744	100	7/2/05
Carbon disulfide	BQL	0.0744	100	7/2/05
Carbon tetrachloride	BQL	0.0744	100	7/2/05
Chlorobenzene	BQL	0.0744	100	7/2/05
Chloroethane	BQL	0.0744	100	7/2/05
Chloroform	BQL	0.0744	100	7/2/05
Chloromethane	BQL	0.0744	100	7/2/05
2-Chlorotoluene	BQL	0.0744	100	7/2/05
4-Chlorotoluene	BQL	0.0744	100	7/2/05
Dibromochloromethane	BQL	0.0744	100	7/2/05
1,2-Dibromo-3-chloropropane	BQL	0.372	100	7/2/05
Dibromomethane	BQL	0.0744	100	7/2/05
1,2-Dibromoethane (EDB)	BQL	0.0744	100	7/2/05
1,2-Dichlorobenzene	BQL	0.0744	100	7/2/05
1,3-Dichlorobenzene	BQL	0.0744	100	7/2/05
1,4-Dichlorobenzene	BQL	0.0744	100	7/2/05
trans-1,4-Dichloro-2-butene	BQL	0.372	100	7/2/05
1,1-Dichloroethane	BQL	0.0744	100	7/2/05
1,1-Dichloroethene	BQL	0.0744	100	7/2/05
1,2-Dichloroethane	BQL	0.0744	100	7/2/05
cis-1,2-Dichloroethene	BQL	0.0744	100	7/2/05
trans-1,2-dichloroethene	BQL	0.0744	100	7/2/05
1,2-Dichloropropane	BQL	0.0744	100	7/2/05
1,3-Dichloropropane	BQL	0.0744	100	7/2/05
2,2-Dichloropropane	BQL	0.0744	100	7/2/05
1,1-Dichloropropene	BQL	0.0744	100	7/2/05
cis-1,3-Dichloropropene	BQL	0.0744	100	7/2/05
trans-1,3-Dichloropropene	BQL	0.0744	100	7/2/05
Dichlorodifluoromethane	BQL	0.372	100	7/2/05
Diisopropyl ether (DIPE)	BQL	0.0744	100	7/2/05
Ethylbenzene	**0.106**	0.0744	100	7/2/05
Hexachlorobutadiene	BQL	0.0744	100	7/2/05

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: NS1-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-1D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 9:45
Date Received: 6/30/05
Matrix: Soil
%Solids: 96.1

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.372	100	7/2/05
Iodomethane	BQL	0.0744	100	7/2/05
Isopropylbenzene	**0.479**	0.0744	100	7/2/05
4-Isopropyltoluene	**0.100**	0.0744	100	7/2/05
Methylene chloride	BQL	0.372	100	7/2/05
4-Methyl-2-pentanone	BQL	0.372	100	7/2/05
Methyl-tert-butyl ether (MTBE)	BQL	0.0744	100	7/2/05
Naphthalene	**2.30**	0.0744	100	7/2/05
n-Propyl benzene	**0.879**	0.0744	100	7/2/05
Styrene	BQL	0.0744	100	7/2/05
1,1,1,2-Tetrachloroethane	BQL	0.0744	100	7/2/05
1,1,2,2-Tetrachloroethane	BQL	0.0744	100	7/2/05
Tetrachloroethene	BQL	0.0744	100	7/2/05
Toluene	**0.163**	0.0744	100	7/2/05
1,2,3-Trichlorobenzene	BQL	0.0744	100	7/2/05
1,2,4-Trichlorobenzene	BQL	0.0744	100	7/2/05
Trichloroethene	BQL	0.0744	100	7/2/05
1,1,1-Trichloroethane	BQL	0.0744	100	7/2/05
1,1,2-Trichloroethane	BQL	0.0744	100	7/2/05
Trichlorofluoromethane	BQL	0.0744	100	7/2/05
1,2,3-Trichloropropane	BQL	0.0744	100	7/2/05
1,2,4-Trimethylbenzene	**0.281**	0.0744	100	7/2/05
1,3,5-Trimethylbenzene	**0.0878**	0.0744	100	7/2/05
Vinyl chloride	BQL	0.0744	100	7/2/05
m-,p-Xylene	**0.686**	0.149	100	7/2/05
o-Xylene	**0.123**	0.0744	100	7/2/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.01	0.00893	89
1,2-Dichloroethane-d4	0.01	0.0113	113
Toluene-d8	0.01	0.0112	112

Comments:

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

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS1-12
Client Project ID: North State Milling
Lab Sample ID G161-2047-3B
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 09:52
Date Received: 6/30/05
Matrix: Soil
%Solids: 91.3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0397	1	7/8/05
Benzene	BQL	0.00397	1	7/8/05
Bromobenzene	BQL	0.00397	1	7/8/05
Bromochloromethane	BQL	0.00397	1	7/8/05
Bromodichloromethane	BQL	0.00397	1	7/8/05
Bromoform	BQL	0.00397	1	7/8/05
Bromomethane	BQL	0.00397	1	7/8/05
2-Butanone	BQL	0.0198	1	7/8/05
n-Butylbenzene	BQL	0.00397	1	7/8/05
sec-Butylbenzene	BQL	0.00397	1	7/8/05
tert-Butylbenzene	BQL	0.00397	1	7/8/05
Carbon disulfide	BQL	0.00397	1	7/8/05
Carbon tetrachloride	BQL	0.00397	1	7/8/05
Chlorobenzene	BQL	0.00397	1	7/8/05
Chloroethane	BQL	0.00397	1	7/8/05
Chloroform	BQL	0.00397	1	7/8/05
Chloromethane	BQL	0.00397	1	7/8/05
2-Chlorotoluene	BQL	0.00397	1	7/8/05
4-Chlorotoluene	BQL	0.00397	1	7/8/05
Dibromochloromethane	BQL	0.00397	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL-UJ	0.00397	1	7/8/05
Dibromomethane	BQL	0.00397	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00397	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00397	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00397	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00397	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL-UJ	0.00397	1	7/8/05
1,1-Dichloroethane	BQL	0.00397	1	7/8/05
1,1-Dichloroethene	BQL	0.00397	1	7/8/05
1,2-Dichloroethane	BQL	0.00397	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00397	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00397	1	7/8/05
1,2-Dichloropropane	BQL	0.00397	1	7/8/05
1,3-Dichloropropane	BQL	0.00397	1	7/8/05
2,2-Dichloropropane	BQL	0.00397	1	7/8/05
1,1-Dichloropropene	BQL	0.00397	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00397	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00397	1	7/8/05
Dichlorodifluoromethane	BQL	0.00397	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00397	1	7/8/05
Ethylbenzene	BQL	0.00397	1	7/8/05
Hexachlorobutadiene	BQL	0.00397	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS1-12
Client Project ID: North State Milling
Lab Sample ID G161-2047-3B
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 09:52
Date Received: 6/30/05
Matrix: Soil
%Solids: 91.3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00397	1	7/8/05
Iodomethane	BQL	0.00397	1	7/8/05
Isopropylbenzene	BQL	0.00397	1	7/8/05
4-Isopropyltoluene	BQL	0.00397	1	7/8/05
Methylene chloride	BQL	0.0159	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00397	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00397	1	7/8/05
Naphthalene	BQL	0.00397	1	7/8/05
n-Propyl benzene	BQL	0.00397	1	7/8/05
Styrene	BQL	0.00397	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00397	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00397	1	7/8/05
Tetrachloroethene	BQL	0.00397	1	7/8/05
Toluene	BQL	0.00397	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00397	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00397	1	7/8/05
Trichloroethene	BQL	0.00397	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00397	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00397	1	7/8/05
Trichlorofluoromethane	BQL	0.00397	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00397	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00397	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00397	1	7/8/05
Vinyl chloride	BQL	0.00397	1	7/8/05
m-,p-Xylene	BQL	0.00794	1	7/8/05
o-Xylene	BQL	0.00397	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0476	95
1,2-Dichloroethane-d4	0.05	0.0464	93
Toluene-d8	0.05	0.0505	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: NS2-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-4D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 10:00
Date Received: 6/30/05
Matrix: Soil
%Solids: 84.0

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	2.40	100	7/2/05
Benzene	**0.160**	0.0961	100	7/2/05
Bromobenzene	BQL	0.0961	100	7/2/05
Bromochloromethane	BQL	0.0961	100	7/2/05
Bromodichloromethane	BQL	0.0961	100	7/2/05
Bromoform	BQL	0.0961	100	7/2/05
Bromomethane	BQL	0.0961	100	7/2/05
2-Butanone	BQL	2.40	100	7/2/05
n-Butylbenzene	**0.215**	0.0961	100	7/2/05
sec-Butylbenzene	BQL	0.0961	100	7/2/05
tert-Butylbenzene	BQL	0.0961	100	7/2/05
Carbon disulfide	BQL	0.0961	100	7/2/05
Carbon tetrachloride	BQL	0.0961	100	7/2/05
Chlorobenzene	BQL	0.0961	100	7/2/05
Chloroethane	BQL	0.0961	100	7/2/05
Chloroform	BQL	0.0961	100	7/2/05
Chloromethane	BQL	0.0961	100	7/2/05
2-Chlorotoluene	BQL	0.0961	100	7/2/05
4-Chlorotoluene	BQL	0.0961	100	7/2/05
Dibromochloromethane	BQL	0.0961	100	7/2/05
1,2-Dibromo-3-chloropropane	BQL	0.480	100	7/2/05
Dibromomethane	BQL	0.0961	100	7/2/05
1,2-Dibromoethane (EDB)	BQL	0.0961	100	7/2/05
1,2-Dichlorobenzene	BQL	0.0961	100	7/2/05
1,3-Dichlorobenzene	BQL	0.0961	100	7/2/05
1,4-Dichlorobenzene	BQL	0.0961	100	7/2/05
trans-1,4-Dichloro-2-butene	BQL	0.480	100	7/2/05
1,1-Dichloroethane	BQL	0.0961	100	7/2/05
1,1-Dichloroethene	BQL	0.0961	100	7/2/05
1,2-Dichloroethane	BQL	0.0961	100	7/2/05
cis-1,2-Dichloroethene	BQL	0.0961	100	7/2/05
trans-1,2-dichloroethene	BQL	0.0961	100	7/2/05
1,2-Dichloropropane	BQL	0.0961	100	7/2/05
1,3-Dichloropropane	BQL	0.0961	100	7/2/05
2,2-Dichloropropane	BQL	0.0961	100	7/2/05
1,1-Dichloropropene	BQL	0.0961	100	7/2/05
cis-1,3-Dichloropropene	BQL	0.0961	100	7/2/05
trans-1,3-Dichloropropene	BQL	0.0961	100	7/2/05
Dichlorodifluoromethane	BQL	0.480	100	7/2/05
Diisopropyl ether (DIPE)	BQL	0.0961	100	7/2/05
Ethylbenzene	**0.153**	0.0961	100	7/2/05
Hexachlorobutadiene	BQL	0.0961	100	7/2/05

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: NS2-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-4D
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 6/28/05 10:00
Date Received: 6/30/05
Matrix: Soil
%Solids: 84 0

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.480	100	7/2/05
Iodomethane	**0.242** J	0.0961	100	7/2/05
Isopropylbenzene	**0.248**	0.0961	100	7/2/05
4-Isopropyltoluene	**0.0989**	0.0961	100	7/2/05
Methylene chloride	BQL	0.480	100	7/2/05
4-Methyl-2-pentanone	BQL	0.480	100	7/2/05
Methyl-tert-butyl ether (MTBE)	BQL	0.0961	100	7/2/05
Naphthalene	**1.68**	0.0961	100	7/2/05
n-Propyl benzene	**0.547**	0.0961	100	7/2/05
Styrene	BQL	0.0961	100	7/2/05
1,1,1,2-Tetrachloroethane	BQL	0.0961	100	7/2/05
1,1,2,2-Tetrachloroethane	BQL	0.0961	100	7/2/05
Tetrachloroethene	BQL	0.0961	100	7/2/05
Toluene	BQL	0.0961	100	7/2/05
1,2,3-Trichlorobenzene	BQL	0.0961	100	7/2/05
1,2,4-Trichlorobenzene	BQL	0.0961	100	7/2/05
Trichloroethene	BQL	0.0961	100	7/2/05
1,1,1-Trichloroethane	BQL	0.0961	100	7/2/05
1,1,2-Trichloroethane	BQL	0.0961	100	7/2/05
Trichlorofluoromethane	BQL	0.0961	100	7/2/05
1,2,3-Trichloropropane	BQL	0.0961	100	7/2/05
1,2,4-Trimethylbenzene	BQL	0.0961	100	7/2/05
1,3,5-Trimethylbenzene	BQL	0.0961	100	7/2/05
Vinyl chloride	BQL	0.0961	100	7/2/05
m-,p-Xylene	BQL	0.192	100	7/2/05
o-Xylene	BQL	0.0961	100	7/2/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.01	0.00866	87
1,2-Dichloroethane-d4	0.01	0.0112	112
Toluene-d8	0.01	0.0106	106

Comments:

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

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-10
Client Project ID: North State Milling
Lab Sample ID G161-2047-5C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:05
Date Received: 6/30/05
Matrix: Soil
%Solids: 92.8

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0413	1	7/8/05
Benzene	BQL	0.00413	1	7/8/05
Bromobenzene	BQL	0.00413	1	7/8/05
Bromochloromethane	BQL	0.00413	1	7/8/05
Bromodichloromethane	BQL	0.00413	1	7/8/05
Bromoform	BQL	0.00413	1	7/8/05
Bromomethane	BQL	0.00413	1	7/8/05
2-Butanone	BQL	0.0206	1	7/8/05
n-Butylbenzene	BQL	0.00413	1	7/8/05
sec-Butylbenzene	BQL	0.00413	1	7/8/05
tert-Butylbenzene	BQL	0.00413	1	7/8/05
Carbon disulfide	BQL	0.00413	1	7/8/05
Carbon tetrachloride	BQL	0.00413	1	7/8/05
Chlorobenzene	BQL	0.00413	1	7/8/05
Chloroethane	BQL	0.00413	1	7/8/05
Chloroform	BQL	0.00413	1	7/8/05
Chloromethane	BQL	0.00413	1	7/8/05
2-Chlorotoluene	BQL	0.00413	1	7/8/05
4-Chlorotoluene	BQL	0.00413	1	7/8/05
Dibromochloromethane	BQL	0.00413	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL-UJ	0.00413	1	7/8/05
Dibromomethane	BQL	0.00413	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00413	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00413	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00413	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00413	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL-UJ	0.00413	1	7/8/05
1,1-Dichloroethane	BQL	0.00413	1	7/8/05
1,1-Dichloroethene	BQL	0.00413	1	7/8/05
1,2-Dichloroethane	BQL	0.00413	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00413	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00413	1	7/8/05
1,2-Dichloropropane	BQL	0.00413	1	7/8/05
1,3-Dichloropropane	BQL	0.00413	1	7/8/05
2,2-Dichloropropane	BQL	0.00413	1	7/8/05
1,1-Dichloropropene	BQL	0.00413	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00413	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00413	1	7/8/05
Dichlorodifluoromethane	BQL	0.00413	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00413	1	7/8/05
Ethylbenzene	BQL	0.00413	1	7/8/05
Hexachlorobutadiene	BQL	0.00413	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-10
Client Project ID: North State Milling
Lab Sample ID G161-2047-5C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:05
Date Received: 6/30/05
Matrix: Soil
%Solids: 92.8

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00413	1	7/8/05
Iodomethane	BQL	0.00413	1	7/8/05
Isopropylbenzene	BQL	0.00413	1	7/8/05
4-Isopropyltoluene	BQL	0.00413	1	7/8/05
Methylene chloride	BQL	0.0165	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00413	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00413	1	7/8/05
Naphthalene	BQL	0.00413	1	7/8/05
n-Propyl benzene	BQL	0.00413	1	7/8/05
Styrene	BQL	0.00413	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00413	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00413	1	7/8/05
Tetrachloroethene	BQL	0.00413	1	7/8/05
Toluene	BQL	0.00413	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00413	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00413	1	7/8/05
Trichloroethene	BQL	0.00413	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00413	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00413	1	7/8/05
Trichlorofluoromethane	BQL	0.00413	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00413	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00413	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00413	1	7/8/05
Vinyl chloride	BQL	0.00413	1	7/8/05
m-,p-Xylene	BQL	0.00825	1	7/8/05
o-Xylene	BQL	0.00413	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0478	96
1,2-Dichloroethane-d4	0.05	0.0468	94
Toluene-d8	0.05	0.0505	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-10 (Dup)
Client Project ID: North State Milling
Lab Sample ID G161-2047-6C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:05
Date Received: 6/30/05
Matrix: Soil
%Solids: 91.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0405	1	7/8/05
Benzene	BQL	0.00405	1	7/8/05
Bromobenzene	BQL	0.00405	1	7/8/05
Bromochloromethane	BQL	0.00405	1	7/8/05
Bromodichloromethane	BQL	0.00405	1	7/8/05
Bromoform	BQL	0.00405	1	7/8/05
Bromomethane	BQL	0.00405	1	7/8/05
2-Butanone	BQL	0.0202	1	7/8/05
n-Butylbenzene	BQL	0.00405	1	7/8/05
sec-Butylbenzene	BQL	0.00405	1	7/8/05
tert-Butylbenzene	BQL	0.00405	1	7/8/05
Carbon disulfide	BQL	0.00405	1	7/8/05
Carbon tetrachloride	BQL	0.00405	1	7/8/05
Chlorobenzene	BQL	0.00405	1	7/8/05
Chloroethane	BQL	0.00405	1	7/8/05
Chloroform	BQL	0.00405	1	7/8/05
Chloromethane	BQL	0.00405	1	7/8/05
2-Chlorotoluene	BQL	0.00405	1	7/8/05
4-Chlorotoluene	BQL	0.00405	1	7/8/05
Dibromochloromethane	BQL	0.00405	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL-VI	0.00405	1	7/8/05
Dibromomethane	BQL	0.00405	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00405	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00405	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00405	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00405	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL-VI	0.00405	1	7/8/05
1,1-Dichloroethane	BQL	0.00405	1	7/8/05
1,1-Dichloroethene	BQL	0.00405	1	7/8/05
1,2-Dichloroethane	BQL	0.00405	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00405	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00405	1	7/8/05
1,2-Dichloropropane	BQL	0.00405	1	7/8/05
1,3-Dichloropropane	BQL	0.00405	1	7/8/05
2,2-Dichloropropane	BQL	0.00405	1	7/8/05
1,1-Dichloropropene	BQL	0.00405	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00405	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00405	1	7/8/05
Dichlorodifluoromethane	BQL	0.00405	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00405	1	7/8/05
Ethylbenzene	BQL	0.00405	1	7/8/05
Hexachlorobutadiene	BQL	0.00405	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-10 (Dup)
Client Project ID: North State Milling
Lab Sample ID G161-2047-6C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:05
Date Received: 6/30/05
Matrix: Soil
%Solids: 91.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00405	1	7/8/05
Iodomethane	BQL	0.00405	1	7/8/05
Isopropylbenzene	BQL	0.00405	1	7/8/05
4-Isopropyltoluene	BQL	0.00405	1	7/8/05
Methylene chloride	BQL	0.0162	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00405	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00405	1	7/8/05
Naphthalene	BQL	0.00405	1	7/8/05
n-Propyl benzene	BQL	0.00405	1	7/8/05
Styrene	BQL	0.00405	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00405	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00405	1	7/8/05
Tetrachloroethene	BQL	0.00405	1	7/8/05
Toluene	BQL	0.00405	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00405	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00405	1	7/8/05
Trichloroethene	BQL	0.00405	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00405	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00405	1	7/8/05
Trichlorofluoromethane	BQL	0.00405	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00405	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00405	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00405	1	7/8/05
Vinyl chloride	BQL	0.00405	1	7/8/05
m-,p-Xylene	BQL	0.00810	1	7/8/05
o-Xylene	BQL	0.00405	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0479	96
1,2-Dichloroethane-d4	0.05	0.0433	87
Toluene-d8	0.05	0.051	102

Comments:

Flags:
BQL = Below Quantitation Limits

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-15
Client Project ID: North State Milling
Lab Sample ID G161-2047-7C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:07
Date Received: 6/30/05
Matrix: Soil
%Solids: 92.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0423	1	7/8/05
Benzene	BQL	0.00423	1	7/8/05
Bromobenzene	BQL	0.00423	1	7/8/05
Bromochloromethane	BQL	0.00423	1	7/8/05
Bromodichloromethane	BQL	0.00423	1	7/8/05
Bromoform	BQL	0.00423	1	7/8/05
Bromomethane	BQL	0.00423	1	7/8/05
2-Butanone	BQL	0.0212	1	7/8/05
n-Butylbenzene	BQL	0.00423	1	7/8/05
sec-Butylbenzene	BQL	0.00423	1	7/8/05
tert-Butylbenzene	BQL	0.00423	1	7/8/05
Carbon disulfide	BQL	0.00423	1	7/8/05
Carbon tetrachloride	BQL	0.00423	1	7/8/05
Chlorobenzene	BQL	0.00423	1	7/8/05
Chloroethane	BQL	0.00423	1	7/8/05
Chloroform	BQL	0.00423	1	7/8/05
Chloromethane	BQL	0.00423	1	7/8/05
2-Chlorotoluene	BQL	0.00423	1	7/8/05
4-Chlorotoluene	BQL	0.00423	1	7/8/05
Dibromochloromethane	BQL	0.00423	1	7/8/05
1,2-Dibromo-3-chloropropane	BQL-VJ	0.00423	1	7/8/05
Dibromomethane	BQL	0.00423	1	7/8/05
1,2-Dibromoethane (EDB)	BQL	0.00423	1	7/8/05
1,2-Dichlorobenzene	BQL	0.00423	1	7/8/05
1,3-Dichlorobenzene	BQL	0.00423	1	7/8/05
1,4-Dichlorobenzene	BQL	0.00423	1	7/8/05
trans-1,4-Dichloro-2-butene	BQL-VJ	0.00423	1	7/8/05
1,1-Dichloroethane	BQL	0.00423	1	7/8/05
1,1-Dichloroethene	BQL	0.00423	1	7/8/05
1,2-Dichloroethane	BQL	0.00423	1	7/8/05
cis-1,2-Dichloroethene	BQL	0.00423	1	7/8/05
trans-1,2-dichloroethene	BQL	0.00423	1	7/8/05
1,2-Dichloropropane	BQL	0.00423	1	7/8/05
1,3-Dichloropropane	BQL	0.00423	1	7/8/05
2,2-Dichloropropane	BQL	0.00423	1	7/8/05
1,1-Dichloropropene	BQL	0.00423	1	7/8/05
cis-1,3-Dichloropropene	BQL	0.00423	1	7/8/05
trans-1,3-Dichloropropene	BQL	0.00423	1	7/8/05
Dichlorodifluoromethane	BQL	0.00423	1	7/8/05
Diisopropyl ether (DIPE)	BQL	0.00423	1	7/8/05
Ethylbenzene	BQL	0.00423	1	7/8/05
Hexachlorobutadiene	BQL	0.00423	1	7/8/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: NS2-15
Client Project ID: North State Milling
Lab Sample ID G161-2047-7C
Lab Project ID: G161-2047
Report Basis: Dry Weight

Analyzed By: RNP
Date Collected: 06-28-2005 10:07
Date Received: 6/30/05
Matrix: Soil
%Solids: 92.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00423	1	7/8/05
Iodomethane	BQL	0.00423	1	7/8/05
Isopropylbenzene	BQL	0.00423	1	7/8/05
4-Isopropyltoluene	BQL	0.00423	1	7/8/05
Methylene chloride	BQL	0.0169	1	7/8/05
4-Methyl-2-pentanone	BQL	0.00423	1	7/8/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00423	1	7/8/05
Naphthalene	BQL	0.00423	1	7/8/05
n-Propyl benzene	BQL	0.00423	1	7/8/05
Styrene	BQL	0.00423	1	7/8/05
1,1,1,2-Tetrachloroethane	BQL	0.00423	1	7/8/05
1,1,2,2-Tetrachloroethane	BQL	0.00423	1	7/8/05
Tetrachloroethene	BQL	0.00423	1	7/8/05
Toluene	BQL	0.00423	1	7/8/05
1,2,3-Trichlorobenzene	BQL	0.00423	1	7/8/05
1,2,4-Trichlorobenzene	BQL	0.00423	1	7/8/05
Trichloroethene	BQL	0.00423	1	7/8/05
1,1,1-Trichloroethane	BQL	0.00423	1	7/8/05
1,1,2-Trichloroethane	BQL	0.00423	1	7/8/05
Trichlorofluoromethane	BQL	0.00423	1	7/8/05
1,2,3-Trichloropropane	BQL	0.00423	1	7/8/05
1,2,4-Trimethylbenzene	BQL	0.00423	1	7/8/05
1,3,5-Trimethylbenzene	BQL	0.00423	1	7/8/05
Vinyl chloride	BQL	0.00423	1	7/8/05
m-,p-Xylene	BQL	0.00847	1	7/8/05
o-Xylene	BQL	0.00423	1	7/8/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0507	101
1,2-Dichloroethane-d4	0.05	0.0472	94
Toluene-d8	0.05	0.0513	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Trip Blank
Client Project ID: North State Milling
Lab Sample ID G161-2047-17A
Lab Project ID: G161-2047
Report Basis: 0.0

Analyzed By: JTF
Date Collected: 06-28-2005 00:00
Date Received: 6/30/05
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0500	1	7/12/05
Benzene	BQL	0.00500	1	7/12/05
Bromobenzene	BQL	0.00500	1	7/12/05
Bromochloromethane	BQL	0.00500	1	7/12/05
Bromodichloromethane	BQL	0.00500	1	7/12/05
Bromoform	BQL	0.00500	1	7/12/05
Bromomethane	BQL	0.00500	1	7/12/05
2-Butanone	BQL	0.0250	1	7/12/05
n-Butylbenzene	BQL	0.00500	1	7/12/05
sec-Butylbenzene	BQL	0.00500	1	7/12/05
tert-Butylbenzene	BQL	0.00500	1	7/12/05
Carbon disulfide	BQL	0.00500	1	7/12/05
Carbon tetrachloride	BQL	0.00500	1	7/12/05
Chlorobenzene	BQL	0.00500	1	7/12/05
Chloroethane	BQL	0.00500	1	7/12/05
Chloroform	BQL	0.00500	1	7/12/05
Chloromethane	BQL	0.00500	1	7/12/05
2-Chlorotoluene	BQL	0.00500	1	7/12/05
4-Chlorotoluene	BQL	0.00500	1	7/12/05
Dibromochloromethane	BQL	0.00500	1	7/12/05
1,2-Dibromo-3-chloropropane	BQL	0.00500	1	7/12/05
Dibromomethane	BQL	0.00500	1	7/12/05
1,2-Dibromoethane (EDB)	BQL	0.00500	1	7/12/05
1,2-Dichlorobenzene	BQL	0.00500	1	7/12/05
1,3-Dichlorobenzene	BQL	0.00500	1	7/12/05
1,4-Dichlorobenzene	BQL	0.00500	1	7/12/05
trans-1,4-Dichloro-2-butene	BQL	0.00500	1	7/12/05
1,1-Dichloroethane	BQL	0.00500	1	7/12/05
1,1-Dichloroethene	BQL	0.00500	1	7/12/05
1,2-Dichloroethane	BQL	0.00500	1	7/12/05
cis-1,2-Dichloroethene	BQL	0.00500	1	7/12/05
trans-1,2-dichloroethene	BQL	0.00500	1	7/12/05
1,2-Dichloropropane	BQL	0.00500	1	7/12/05
1,3-Dichloropropane	BQL	0.00500	1	7/12/05
2,2-Dichloropropane	BQL	0.00500	1	7/12/05
1,1-Dichloropropene	BQL	0.00500	1	7/12/05
cis-1,3-Dichloropropene	BQL	0.00500	1	7/12/05
trans-1,3-Dichloropropene	BQL	0.00500	1	7/12/05
Dichlorodifluoromethane	BQL	0.00500	1	7/12/05
Diisopropyl ether (DIPE)	BQL	0.00500	1	7/12/05
Ethylbenzene	BQL	0.00500	1	7/12/05
Hexachlorobutadiene	BQL	0.00500	1	7/12/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Trip Blank
Client Project ID: North State Milling
Lab Sample ID G161-2047-17A
Lab Project ID: G161-2047
Report Basis: 0.0

Analyzed By: JTF
Date Collected: 06-28-2005 00:00
Date Received: 6/30/05
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00500	1	7/12/05
Iodomethane	BQL	0.00500	1	7/12/05
Isopropylbenzene	BQL	0.00500	1	7/12/05
4-Isopropyltoluene	BQL	0.00500	1	7/12/05
Methylene chloride	BQL	0.0200	1	7/12/05
4-Methyl-2-pentanone	BQL	0.00500	1	7/12/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00500	1	7/12/05
Naphthalene	BQL	0.00500	1	7/12/05
n-Propyl benzene	BQL	0.00500	1	7/12/05
Styrene	BQL	0.00500	1	7/12/05
1,1,1,2-Tetrachloroethane	BQL	0.00500	1	7/12/05
1,1,2,2-Tetrachloroethane	BQL	0.00500	1	7/12/05
Tetrachloroethene	BQL	0.00500	1	7/12/05
Toluene	BQL	0.00500	1	7/12/05
1,2,3-Trichlorobenzene	BQL	0.00500	1	7/12/05
1,2,4-Trichlorobenzene	BQL	0.00500	1	7/12/05
Trichloroethene	BQL	0.00500	1	7/12/05
1,1,1-Trichloroethane	BQL	0.00500	1	7/12/05
1,1,2-Trichloroethane	BQL	0.00500	1	7/12/05
Trichlorofluoromethane	BQL	0.00500	1	7/12/05
1,2,3-Trichloropropane	BQL	0.00500	1	7/12/05
1,2,4-Trimethylbenzene	BQL	0.00500	1	7/12/05
1,3,5-Trimethylbenzene	BQL	0.00500	1	7/12/05
Vinyl chloride	BQL	0.00500	1	7/12/05
m-,p-Xylene	BQL	0.0100	1	7/12/05
o-Xylene	BQL	0.00500	1	7/12/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0486	97
1,2-Dichloroethane-d4	0.05	0.0531	106
Toluene-d8	0.05	0.0484	97

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS1-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-1H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:45
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 96.11

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.296	1	7/8/2005
Acenaphthylene	BQL	0.296	1	7/8/2005
Anthracene	BQL	0.296	1	7/8/2005
Benzo[a]anthracene	**0.447**	0.296	1	7/8/2005
Benzo[a]pyrene	**1.19** – J	0.296	1	7/8/2005
Benzo[b]fluoranthene	**0.917** – J	0.296	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.296	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.296	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.296	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.296	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.296	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.296	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.296	1	7/8/2005
Butylbenzylphthalate	BQL	0.296	1	7/8/2005
2-Chloronaphthalene	BQL	0.296	1	7/8/2005
4-Chloroaniline	BQL	1.48	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.296	1	7/8/2005
Chrysene	**0.541**	0.296	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.296	1	7/8/2005
Dibenzofuran	BQL	0.296	1	7/8/2005
Di-n-Butylphthalate	BQL	0.296	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.296	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.296	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.296	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.592	1	7/8/2005
Diethylphthalate	BQL	0.296	1	7/8/2005
Dimethylphthalate	BQL	0.296	1	7/8/2005
Di-n-octylphthalate	BQL	0.296	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.296	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.296	1	7/8/2005
Diphenylamine *	BQL	0.296	1	7/8/2005
Fluoranthene	**0.450**	0.296	1	7/8/2005
Fluorene	BQL	0.296	1	7/8/2005
Hexachlorobenzene	BQL	0.296	1	7/8/2005
Hexachlorobutadiene	BQL	0.296	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.592	1	7/8/2005
Hexachloroethane	BQL	0.296	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.296	1	7/8/2005
Isophorone	BQL	0.296	1	7/8/2005
2-Methylnaphthalene	**0.745**	0.296	1	7/8/2005
Naphthalene	**2.72**	0.296	1	7/8/2005
2-Nitroaniline	BQL	0.296	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS1-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-1H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:45
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 96.11

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.48	1	7/8/2005
4-Nitroaniline	BQL	1.48	1	7/8/2005
Nitrobenzene	BQL	0.296	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.296	1	7/8/2005
Phenanthrene	BQL	0.296	1	7/8/2005
Pyrene	**0.917** - J	0.296	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.296	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
Nitrobenzene-d5	10	10.7	107
4-Terphenyl-d14	10	11.2	112

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: [illegible]

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS1-12
Client Project ID: North State Milling
Lab Sample ID: G161-2047-3H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:52
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.28

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.329	1	7/8/2005
Acenaphthylene	BQL	0.329	1	7/8/2005
Anthracene	BQL	0.329	1	7/8/2005
Benzo[a]anthracene	BQL	0.329	1	7/8/2005
Benzo[a]pyrene	BQL	0.329	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.329	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.329	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.329	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.329	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.329	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.329	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.329	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.329	1	7/8/2005
Butylbenzylphthalate	BQL	0.329	1	7/8/2005
2-Chloronaphthalene	BQL	0.329	1	7/8/2005
4-Chloroaniline	BQL	1.65	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.329	1	7/8/2005
Chrysene	BQL	0.329	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.329	1	7/8/2005
Dibenzofuran	BQL	0.329	1	7/8/2005
Di-n-Butylphthalate	BQL	0.329	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.329	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.329	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.329	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.659	1	7/8/2005
Diethylphthalate	BQL	0.329	1	7/8/2005
Dimethylphthalate	BQL	0.329	1	7/8/2005
Di-n-octylphthalate	BQL	0.329	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.329	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.329	1	7/8/2005
Diphenylamine *	BQL	0.329	1	7/8/2005
Fluoranthene	BQL	0.329	1	7/8/2005
Fluorene	BQL	0.329	1	7/8/2005
Hexachlorobenzene	BQL	0.329	1	7/8/2005
Hexachlorobutadiene	BQL	0.329	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.659	1	7/8/2005
Hexachloroethane	BQL	0.329	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.329	1	7/8/2005
Isophorone	BQL	0.329	1	7/8/2005
2-Methylnaphthalene	BQL	0.329	1	7/8/2005
Naphthalene	BQL	0.329	1	7/8/2005
2-Nitroaniline	BQL	0.329	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS1-12
Client Project ID: North State Milling
Lab Sample ID: G161-2047-3H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 9:52
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.28

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.65	1	7/8/2005
4-Nitroaniline	BQL	1.65	1	7/8/2005
Nitrobenzene	BQL	0.329	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.329	1	7/8/2005
Phenanthrene	BQL	0.329	1	7/8/2005
Pyrene	BQL	0.329	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.329	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10	100
Nitrobenzene-d5	10	10.1	101
4-Terphenyl-d14	10	13.1	131

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: NS2-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-4H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:00
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 83.95

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.369	1	7/8/2005
Acenaphthylene	BQL	0.369	1	7/8/2005
Anthracene	BQL	0.369	1	7/8/2005
Benzo[a]anthracene	BQL	0.369	1	7/8/2005
Benzo[a]pyrene	BQL	0.369	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.369	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.369	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.369	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.369	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.369	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.369	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.369	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.369	1	7/8/2005
Butylbenzylphthalate	BQL	0.369	1	7/8/2005
2-Chloronaphthalene	BQL	0.369	1	7/8/2005
4-Chloroaniline	BQL	1.85	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.369	1	7/8/2005
Chrysene	BQL	0.369	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.369	1	7/8/2005
Dibenzofuran	BQL	0.369	1	7/8/2005
Di-n-Butylphthalate	BQL	0.369	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.369	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.369	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.369	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.738	1	7/8/2005
Diethylphthalate	BQL	0.369	1	7/8/2005
Dimethylphthalate	BQL	0.369	1	7/8/2005
Di-n-octylphthalate	BQL	0.369	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.369	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.369	1	7/8/2005
Diphenylamine *	BQL	0.369	1	7/8/2005
Fluoranthene	BQL	0.369	1	7/8/2005
Fluorene	BQL	0.369	1	7/8/2005
Hexachlorobenzene	BQL	0.369	1	7/8/2005
Hexachlorobutadiene	BQL	0.369	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.738	1	7/8/2005
Hexachloroethane	BQL	0.369	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.369	1	7/8/2005
Isophorone	BQL	0.369	1	7/8/2005
2-Methylnaphthalene	BQL	0.369	1	7/8/2005
Naphthalene	**0.827**	0.369	1	7/8/2005
2-Nitroaniline	BQL	0.369	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-5
Client Project ID: North State Milling
Lab Sample ID: G161-2047-4H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:00
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 83.95

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.85	1	7/8/2005
4-Nitroaniline	BQL	1.85	1	7/8/2005
Nitrobenzene	BQL	0.369	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.369	1	7/8/2005
Phenanthrene	BQL	0.369	1	7/8/2005
Pyrene	BQL	0.369	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.369	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
Nitrobenzene-d5	10	9.9	99
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 for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-5H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:05
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 92.8

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.327	1	7/8/2005
Acenaphthylene	BQL	0.327	1	7/8/2005
Anthracene	BQL	0.327	1	7/8/2005
Benzo[a]anthracene	BQL	0.327	1	7/8/2005
Benzo[a]pyrene	BQL	0.327	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.327	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.327	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.327	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.327	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.327	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.327	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.327	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.327	1	7/8/2005
Butylbenzylphthalate	BQL	0.327	1	7/8/2005
2-Chloronaphthalene	BQL	0.327	1	7/8/2005
4-Chloroaniline	BQL	1.64	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.327	1	7/8/2005
Chrysene	BQL	0.327	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.327	1	7/8/2005
Dibenzofuran	BQL	0.327	1	7/8/2005
Di-n-Butylphthalate	BQL	0.327	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.327	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.327	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.327	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.655	1	7/8/2005
Diethylphthalate	BQL	0.327	1	7/8/2005
Dimethylphthalate	BQL	0.327	1	7/8/2005
Di-n-octylphthalate	BQL	0.327	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.327	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.327	1	7/8/2005
Diphenylamine *	BQL	0.327	1	7/8/2005
Fluoranthene	BQL	0.327	1	7/8/2005
Fluorene	BQL	0.327	1	7/8/2005
Hexachlorobenzene	BQL	0.327	1	7/8/2005
Hexachlorobutadiene	BQL	0.327	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.655	1	7/8/2005
Hexachloroethane	BQL	0.327	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.327	1	7/8/2005
Isophorone	BQL	0.327	1	7/8/2005
2-Methylnaphthalene	BQL	0.327	1	7/8/2005
Naphthalene	BQL	0.327	1	7/8/2005
2-Nitroaniline	BQL	0.327	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-10
Client Project ID: North State Milling
Lab Sample ID: G161-2047-5H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:05
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 92.8

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.64	1	7/8/2005
4-Nitroaniline	BQL	1.64	1	7/8/2005
Nitrobenzene	BQL	0.327	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.327	1	7/8/2005
Phenanthrene	BQL	0.327	1	7/8/2005
Pyrene	BQL	0.327	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.327	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.7	97
Nitrobenzene-d5	10	10	100
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: NS2-10 (Dup)
Client Project ID: North State Milling
Lab Sample ID: G161-2047-6H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:05
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.09

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.342	1	7/8/2005
Acenaphthylene	BQL	0.342	1	7/8/2005
Anthracene	BQL	0.342	1	7/8/2005
Benzo[a]anthracene	BQL	0.342	1	7/8/2005
Benzo[a]pyrene	BQL	0.342	1	7/8/2005
Benzo[b]fluoranthene	BQL	0.342	1	7/8/2005
Benzo[g,h,i]perylene	BQL	0.342	1	7/8/2005
Benzo[k]fluoranthene	BQL	0.342	1	7/8/2005
Bis(2-chloroethoxy)methane	BQL	0.342	1	7/8/2005
Bis(2-chloroethyl)ether	BQL	0.342	1	7/8/2005
Bis(2-chloroisopropyl)ether	BQL	0.342	1	7/8/2005
Bis(2-ethylhexyl)phthalate	BQL	0.342	1	7/8/2005
4-bromophenyl phenyl ether	BQL	0.342	1	7/8/2005
Butylbenzylphthalate	BQL	0.342	1	7/8/2005
2-Chloronaphthalene	BQL	0.342	1	7/8/2005
4-Chloroaniline	BQL	1.71	1	7/8/2005
4-Chlorophenyl phenyl ether	BQL	0.342	1	7/8/2005
Chrysene	BQL	0.342	1	7/8/2005
Dibenzo[a,h]anthracene	BQL	0.342	1	7/8/2005
Dibenzofuran	BQL	0.342	1	7/8/2005
Di-n-Butylphthalate	BQL	0.342	1	7/8/2005
1,2-Dichlorobenzene	BQL	0.342	1	7/8/2005
1,3-Dichlorobenzene	BQL	0.342	1	7/8/2005
1,4-Dichlorobenzene	BQL	0.342	1	7/8/2005
3,3'-Dichlorobenzidine	BQL	0.684	1	7/8/2005
Diethylphthalate	BQL	0.342	1	7/8/2005
Dimethylphthalate	BQL	0.342	1	7/8/2005
Di-n-octylphthalate	BQL	0.342	1	7/8/2005
2,4-Dinitrotoluene	BQL	0.342	1	7/8/2005
2,6-Dinitrotoluene	BQL	0.342	1	7/8/2005
Diphenylamine *	BQL	0.342	1	7/8/2005
Fluoranthene	BQL	0.342	1	7/8/2005
Fluorene	BQL	0.342	1	7/8/2005
Hexachlorobenzene	BQL	0.342	1	7/8/2005
Hexachlorobutadiene	BQL	0.342	1	7/8/2005
Hexachlorocyclopentadiene	BQL	0.684	1	7/8/2005
Hexachloroethane	BQL	0.342	1	7/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.342	1	7/8/2005
Isophorone	BQL	0.342	1	7/8/2005
2-Methylnaphthalene	BQL	0.342	1	7/8/2005
Naphthalene	BQL	0.342	1	7/8/2005
2-Nitroaniline	BQL	0.342	1	7/8/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: NS2-10 (Dup)
Client Project ID: North State Milling
Lab Sample ID: G161-2047-6H
Lab Project ID: G161-2047
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 6/28/2005 10:05
Date Received: 6/30/2005
Date Extracted: 7/7/2005
Matrix: Soil
% Solids: 91.09

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.71	1	7/8/2005
4-Nitroaniline	BQL	1.71	1	7/8/2005
Nitrobenzene	BQL	0.342	1	7/8/2005
N-Nitrosodi-n-propylamine	BQL	0.342	1	7/8/2005
Phenanthrene	BQL	0.342	1	7/8/2005
Pyrene	BQL	0.342	1	7/8/2005
1,2,4-Trichlorobenzene	BQL	0.342	1	7/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.9	99
Nitrobenzene-d5	10	9.9	99
4-Terphenyl-d14	10	13.7	137

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: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS1-5
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	96
Dilution Factor	1
C_5-C_8 Aliphatics**	180 (mg/Kg) – J
C_9-C_{12} Aliphatics**	72 (mg/Kg) – J
C_9-C_{10} Aromatics**	79 (mg/Kg) – J
Surrogate % Recovery - PID	410***
Surrogate % Recovery - FID	480***

* = 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.

***= High surrogate recovery due to matrix interference

Lab Info: G161-2047-1B

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS1-12
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	91
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	120
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: G161-2047-3E

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-5
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	84
Dilution Factor	1
C_5-C_8 Aliphatics**	70 (mg/Kg) — J
C_9-C_{12} Aliphatics**	40 (mg/Kg) — J
C_9-C_{10} Aromatics**	33 (mg/Kg) — J
Surrogate % Recovery - PID	220***
Surrogate % Recovery - FID	250***

* = 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.

***= High surrogate recovery due to matrix interference

Lab Info: G161-2047-4C

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-10
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	93
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	120
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: G161-2047-5C

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-10 (Dup)
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	06/28/05
Date Analyzed	07/05/05
Dry Weight	91
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	110
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: G161-2047-6A

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS1-5
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/07/05
Dry Weight	96.1
Dilution Factor	1:1
C_9-C_{18} Aliphatics*	16 (mg/Kg)
C_{19}-C_{36} Aliphatics*	32 (mg/Kg)
C_{11}-C_{22} Aromatics*	22 (mg/Kg)
Aliphatic Surrogate % Recovery	98
Aromatic Surrogate % Recovery	79
Fractionation Surrogate 1 % Recovery	56

Comments:

* = Excludes any surrogates or internal standards

Lab info: G161-2047-1G

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-5
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	84
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	110
Aromatic Surrogate % Recovery	100

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-4G

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-10
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	92.8
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	110
Aromatic Surrogate % Recovery	110

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation

Lab info: G161-2047-5G

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results	
Sample Identification	NS2-10 (Dup)
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	91.1
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	110
Aromatic Surrogate % Recovery	110

Comments:

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

Lab info: G161-2047-6G

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: North State Milling

Sample Information and Analytical Results .	
Sample Identification	NS2-15
Sample Matrix	Soil
Date Collected	06/28/05
Date Received	06/30/05
Date Extracted	07/01/05
Date Analyzed	07/06/05
Dry Weight	92
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	110
Aromatic Surrogate % Recovery	110

Comments:

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

Lab info: G161-2047-7G

Reviewed By:

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# 47805

G161-2070

Page 1 of 1

Client: Jason Ricks
Address: 6909 International Dr., 103
Address: Greensboro, NC 27409
Quote #: 1842

Project ID: North State Milling Property
Contact: Jason Ricks
Phone: (336) 856-7150
Fax: 856-7160

Date: 7/13/05
Turnaround: Standard
Job Number: G-9506
P.O. Number:

Report To: jricks@eastlimited.com
Invoice To:

Sample ID	Date	Time	Matrix	None	HCL	HNO_3		601/602	504.1-EDB	EPH	VPH	3030C Lead	625 BN+10	Total RCRA metals	625 BN+10 TICS + 1,4 Dioxane			Comments: Please specify any special reporting requirements
NSMW-1	7/13/05	10:35	GW	X	X	X		X	X	X	X	X	X					City of Greensboro Project
NSMW-2	↓	11:25	↓	X	X	X		X		X	X			X	X			
NSMW-3		1:20		X	X	X		X						X	X			
Dup-3		—			X			X										
~~NSMW-3~~																		
Equip Blank	↓	12:20	↓		X			X										

X/SMW-1 Limited Sample

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
[signature]	7/13/05	3:30	[signature]	7/14/05	0945	1.6°C	NC (X) SC ____ Other ____

SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

Results for Organics
by EPA 504

Client Sample ID:	NSMW-1	Analyzed By:	CLP
Client Project ID:	North State Milling Property	Date Collected:	7/13/05 10:35
Lab Sample ID:	G161-2070-1O	Date Received:	7/14/05 9:45
Lab Project ID:	G161-2070	Matrix:	Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0.0196	1	7/19/05

Reviewed By: _____

8011_LIMS_1 2

Results for Metals

Client Sample ID:	NSMW-2	Analyzed By:	PSW
Client Project ID:	North State Milling Property	Date Collected:	7/13/2005 11:25
Lab Sample ID:	G161-2070-2	Date Received:	7/14/05
Lab Project ID:	G161-2070	Matrix:	WATER
Batch ID:	3257 3249		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	BQL	0.0100	1	MG/L	6010B	7/19/05
Barium	**0.301**	0.100	1	MG/L	6010B	7/19/05
Cadmium	BQL	0.0100	1	MG/L	6010B	7/19/05
Chromium	**0.0197**	0.0100	1	MG/L	6010B	7/19/05
Lead	**0.0267**	0.0100	1	MG/L	6010B	7/19/05
Mercury	BQL	0.000250	1	MG/L	7470	7/18/05
Selenium	BQL	0.0200	1	MG/L	6010B	7/19/05
Silver	BQL	0.0100	1	MG/L	6010B	7/19/05

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3 3