MARTIN PROPERTY
LABORATORY DATA SHEETS AND CHAIN OF CUSTODY RECORDS

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: CMS-1
Client Project ID: Martin Site
Lab Sample ID: G161-2182-1C
Lab Project ID: G161-2182
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 10/4/2005 11:57
Date Received: 10/6/2005
Date Extracted: 10/7/2005
Matrix: Soil
% Solids: 87.65

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.335	1	10/11/2005
Acenaphthylene	BQL	0.335	1	10/11/2005
Anthracene	BQL	0.335	1	10/11/2005
Benzo[a]anthracene	BQL	0.335	1	10/11/2005
Benzo[a]pyrene	BQL	0.335	1	10/11/2005
Benzo[b]fluoranthene	BQL	0.335	1	10/11/2005
Benzo[g,h,i]perylene	BQL	0.335	1	10/11/2005
Benzo[k]fluoranthene	BQL	0.335	1	10/11/2005
Bis(2-chloroethoxy)methane	BQL	0.335	1	10/11/2005
Bis(2-chloroethyl)ether	BQL	0.335	1	10/11/2005
Bis(2-chloroisopropyl)ether	BQL	0.335	1	10/11/2005
Bis(2-ethylhexyl)phthalate	BQL	0.335	1	10/11/2005
4-bromophenyl phenyl ether	BQL	0.335	1	10/11/2005
Butylbenzylphthalate	BQL	0.335	1	10/11/2005
2-Chloronaphthalene	BQL	0.335	1	10/11/2005
4-Chloroaniline	BQL	1.68	1	10/11/2005
4-Chlorophenyl phenyl ether	BQL	0.335	1	10/11/2005
Chrysene	BQL	0.335	1	10/11/2005
Dibenzo[a,h]anthracene	BQL	0.335	1	10/11/2005
Dibenzofuran	BQL	0.335	1	10/11/2005
Di-n-Butylphthalate	BQL	0.335	1	10/11/2005
1,2-Dichlorobenzene	BQL	0.335	1	10/11/2005
1,3-Dichlorobenzene	BQL	0.335	1	10/11/2005
1,4-Dichlorobenzene	BQL	0.335	1	10/11/2005
3,3'-Dichlorobenzidine	BQL	0.671	1	10/11/2005
Diethylphthalate	BQL	0.335	1	10/11/2005
Dimethylphthalate	BQL	0.335	1	10/11/2005
Di-n-octylphthalate	BQL	0.335	1	10/11/2005
2,4-Dinitrotoluene	BQL	0.335	1	10/11/2005
2,6-Dinitrotoluene	BQL	0.335	1	10/11/2005
Diphenylamine *	BQL	0.335	1	10/11/2005
Fluoranthene	BQL	0.335	1	10/11/2005
Fluorene	BQL	0.335	1	10/11/2005
Hexachlorobenzene	BQL	0.335	1	10/11/2005
Hexachlorobutadiene	BQL	0.335	1	10/11/2005
Hexachlorocyclopentadiene	BQL	0.671	1	10/11/2005
Hexachloroethane	BQL	0.335	1	10/11/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.335	1	10/11/2005
Isophorone	BQL	0.335	1	10/11/2005
2-Methylnaphthalene	BQL	0.335	1	10/11/2005
Naphthalene	BQL	0.335	1	10/11/2005
2-Nitroaniline	BQL	0.335	1	10/11/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: CMS-1
Client Project ID: Martin Site
Lab Sample ID: G161-2182-1C
Lab Project ID: G161-2182
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 10/4/2005 11:57
Date Received: 10/6/2005
Date Extracted: 10/7/2005
Matrix: Soil
% Solids: 87.65

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.68	1	10/11/2005
4-Nitroaniline	BQL	1.68	1	10/11/2005
Nitrobenzene	BQL	0.335	1	10/11/2005
N-Nitrosodi-n-propylamine	BQL	0.335	1	10/11/2005
Phenanthrene	BQL	0.335	1	10/11/2005
Pyrene	BQL	0.335	1	10/11/2005
1,2,4-Trichlorobenzene	BQL	0.335	1	10/11/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.6	106
Nitrobenzene-d5	10	11	110
4-Terphenyl-d14	10	11.1	110

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Metals

Client Sample ID:	CMS-1	Analyzed By:	PSW
Client Project ID:	Martin Site	Date Collected:	10/4/2005 11:57
Lab Sample ID:	G161-2182-1	Date Received:	10/6/2005
Lab Project ID:	G161-2182	Matrix:	SOIL
Batch ID:	3808 3802	Solids	87.65
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	**1.39**	0.967	1	MG/KG	6010B	10/12/2005
Barium	**46.2**	9.67	1	MG/KG	6010B	10/12/2005
Cadmium	BQL	0.967	1	MG/KG	6010B	10/12/2005
Chromium	**5.94**	0.967	1	MG/KG	6010B	10/12/2005
Lead	**5.15**	0.967	1	MG/KG	6010B	10/12/2005
Mercury	BQL	0.0213	1	MG/KG	7471	10/12/2005
Selenium	BQL	1.93	1	MG/KG	6010B	10/12/2005
Silver	BQL	0.967	1	MG/KG	6010B	10/12/2005

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 Volatiles
by GCMS 8260-5035

Client Sample ID: RMS-1
Client Project ID: Martin Site
Lab Sample ID G161-2201-1A
Lab Project ID: G161-2201
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 10-13-2005 12:30
Date Received: 10/14/05
Matrix: Soil
%Solids: 77.2

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0648	1	10/19/05
Benzene	BQL	0.00648	1	10/19/05
Bromobenzene	BQL	0.00648	1	10/19/05
Bromochloromethane	BQL	0.00648	1	10/19/05
Bromodichloromethane	BQL	0.00648	1	10/19/05
Bromoform	BQL	0.00648	1	10/19/05
Bromomethane	BQL	0.00648	1	10/19/05
2-Butanone	BQL	0.0324	1	10/19/05
n-Butylbenzene	BQL	0.00648	1	10/19/05
sec-Butylbenzene	BQL	0.00648	1	10/19/05
tert-Butylbenzene	BQL	0.00648	1	10/19/05
Carbon disulfide	BQL	0.00648	1	10/19/05
Carbon tetrachloride	BQL	0.00648	1	10/19/05
Chlorobenzene	BQL	0.00648	1	10/19/05
Chloroethane	BQL	0.00648	1	10/19/05
Chloroform	BQL	0.00648	1	10/19/05
Chloromethane	BQL	0.00648	1	10/19/05
2-Chlorotoluene	BQL	0.00648	1	10/19/05
4-Chlorotoluene	BQL	0.00648	1	10/19/05
Dibromochloromethane	BQL	0.00648	1	10/19/05
1,2-Dibromo-3-chloropropane	BQL	0.00648	1	10/19/05
Dibromomethane	BQL	0.00648	1	10/19/05
1,2-Dibromoethane (EDB)	BQL	0.00648	1	10/19/05
1,2-Dichlorobenzene	BQL	0.00648	1	10/19/05
1,3-Dichlorobenzene	BQL	0.00648	1	10/19/05
1,4-Dichlorobenzene	BQL	0.00648	1	10/19/05
trans-1,4-Dichloro-2-butene	BQL	0.00648	1	10/19/05
1,1-Dichloroethane	BQL	0.00648	1	10/19/05
1,1-Dichloroethene	BQL	0.00648	1	10/19/05
1,2-Dichloroethane	BQL	0.00648	1	10/19/05
cis-1,2-Dichloroethene	BQL	0.00648	1	10/19/05
trans-1,2-dichloroethene	BQL	0.00648	1	10/19/05
1,2-Dichloropropane	BQL	0.00648	1	10/19/05
1,3-Dichloropropane	BQL	0.00648	1	10/19/05
2,2-Dichloropropane	BQL	0.00648	1	10/19/05
1,1-Dichloropropene	BQL	0.00648	1	10/19/05
cis-1,3-Dichloropropene	BQL	0.00648	1	10/19/05
trans-1,3-Dichloropropene	BQL	0.00648	1	10/19/05
Dichlorodifluoromethane	BQL	0.00648	1	10/19/05
Diisopropyl ether (DIPE)	BQL	0.00648	1	10/19/05
Ethylbenzene	BQL	0.00648	1	10/19/05
Hexachlorobutadiene	BQL	0.00648	1	10/19/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: RMS-1
Client Project ID: Martin Site
Lab Sample ID G161-2201-1A
Lab Project ID: G161-2201
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 10-13-2005 12:30
Date Received: 10/14/05
Matrix: Soil
%Solids: 77.2

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	0.00648	1	10/19/05
Iodomethane	BQL	0.00648	1	10/19/05
Isopropylbenzene	BQL	0.00648	1	10/19/05
4-Isopropyltoluene	BQL	0.00648	1	10/19/05
Methylene chloride	BQL	0.0259	1	10/19/05
4-Methyl-2-pentanone	BQL	0.00648	1	10/19/05
Methyl-tert-butyl ether (MTBE)	BQL	0.00648	1	10/19/05
Naphthalene	BQL	0.00648	1	10/19/05
n-Propyl benzene	BQL	0.00648	1	10/19/05
Styrene	BQL	0.00648	1	10/19/05
1,1,1,2-Tetrachloroethane	BQL	0.00648	1	10/19/05
1,1,2,2-Tetrachloroethane	BQL	0.00648	1	10/19/05
Tetrachloroethene	BQL	0.00648	1	10/19/05
Toluene	BQL	0.00648	1	10/19/05
1,2,3-Trichlorobenzene	BQL	0.00648	1	10/19/05
1,2,4-Trichlorobenzene	BQL	0.00648	1	10/19/05
Trichloroethene	BQL	0.00648	1	10/19/05
1,1,1-Trichloroethane	BQL	0.00648	1	10/19/05
1,1,2-Trichloroethane	BQL	0.00648	1	10/19/05
Trichlorofluoromethane	BQL	0.00648	1	10/19/05
1,2,3-Trichloropropane	BQL	0.00648	1	10/19/05
1,2,4-Trimethylbenzene	BQL	0.00648	1	10/19/05
1,3,5-Trimethylbenzene	BQL	0.00648	1	10/19/05
Vinyl chloride	BQL	0.00648	1	10/19/05
m-,p-Xylene	BQL	0.0130	1	10/19/05
o-Xylene	BQL	0.00648	1	10/19/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0282	56
1,2-Dichloroethane-d4	0.05	0.0674	135
Toluene-d8	0.05	0.0476	95

Comments:

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

Reviewed By: _____

Results for Metals

Client Sample ID:	MS-12-1	Analyzed By:	PSW
Client Project ID:	Martin Site	Date Collected:	10/4/2005 13:24
Lab Sample ID:	G161-2182-3	Date Received:	10/6/2005
Lab Project ID:	G161-2182	Matrix:	SOIL
Batch ID:	3808 3802	Solids	91.48
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	**1.07**	1.01	1	MG/KG	6010B	10/12/2005
Barium	**63.6**	10.1	1	MG/KG	6010B	10/12/2005
Cadmium	BQL	1.01	1	MG/KG	6010B	10/12/2005
Chromium	**2.55**	1.01	1	MG/KG	6010B	10/12/2005
Lead	**5.56**	1.01	1	MG/KG	6010B	10/12/2005
Mercury	BQL	0.0192	1	MG/KG	7471	10/12/2005
Selenium	BQL	2.02	1	MG/KG	6010B	10/12/2005
Silver	BQL	1.01	1	MG/KG	6010B	10/12/2005

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

Reviewed By: _____
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Results for Metals

Client Sample ID:	MS-13-1	Analyzed By:	PSW
Client Project ID:	Martin Site	Date Collected:	10/4/2005 13:29
Lab Sample ID:	G161-2182-4	Date Received:	10/6/2005
Lab Project ID:	G161-2182	Matrix:	SOIL
Batch ID:	3808 3802	Solids	92.69
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	**1.31**	0.930	1	MG/KG	6010B	10/12/2005
Barium	**155**	9.30	1	MG/KG	6010B	10/12/2005
Cadmium	BQL	0.930	1	MG/KG	6010B	10/12/2005
Chromium	**44.7**	0.930	1	MG/KG	6010B	10/12/2005
Lead	**5.02**	0.930	1	MG/KG	6010B	10/12/2005
Mercury	BQL	0.0184	1	MG/KG	7471	10/12/2005
Selenium	BQL	1.86	1	MG/KG	6010B	10/12/2005
Silver	BQL	0.930	1	MG/KG	6010B	10/12/2005

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:	MS-15-2	Analyzed By:	PSW
Client Project ID:	Martin Site	Date Collected:	10/4/2005 13:50
Lab Sample ID:	G161-2182-5	Date Received:	10/6/2005
Lab Project ID:	G161-2182	Matrix:	SOIL
Batch ID:	3808 3802	Solids	96.20
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	**5.28**	0.881	1	MG/KG	6010B	10/12/2005
Barium	**57.4**	8.81	1	MG/KG	6010B	10/12/2005
Cadmium	**2.62**	0.881	1	MG/KG	6010B	10/12/2005
Chromium	**4.53**	0.881	1	MG/KG	6010B	10/12/2005
Lead	**18.3**	0.881	1	MG/KG	6010B	10/12/2005
Mercury	BQL	0.0187	1	MG/KG	7471	10/12/2005
Selenium	**2.12**	1.76	1	MG/KG	6010B	10/12/2005
Silver	BQL	0.881	1	MG/KG	6010B	10/12/2005

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

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MS-15-5
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	10/04/05
Date Received	10/06/05
Date Extracted	10/04/05
Date Analyzed	10/11/05
Dry Weight	86
Dilution Factor	1
C_5-C_8 Aliphatics**	82 (mg/Kg)
C_9-C_{12} Aliphatics**	69 (mg/Kg)
C_9-C_{10} Aromatics**	120 (mg/Kg)
Surrogate % Recovery - PID	160***
Surrogate % Recovery - FID	280***

* = 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: g161-2182-6d

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MS-15-5
Sample Matrix	Soil
Date Collected	10/04/05
Date Received	10/06/05
Date Extracted	10/07/05
Date Analyzed	10/14/05
Dry Weight	85.5
Dilution Factor	1:1
C_9-C_{18} Aliphatics*	90 (mg/Kg)
C_{19}-C_{36} Aliphatics*	< 10 (mg/Kg)
C_{11}-C_{22} Aromatics*	16 (mg/Kg)
Aliphatic Surrogate % Recovery	63
Aromatic Surrogate % Recovery	73
Fractionation Surrogate 1 % Recovery	89

Comments:

* = Excludes any surrogates or internal standards.

Lab info: G161-2182-6I

Reviewed By: [illegible]

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: MS-15-5
Client Project ID: Martin Site
Lab Sample ID: G161-2182-6D
Lab Project ID: G161-2182
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 10/4/2005 13:51
Date Received: 10/6/2005
Matrix: Soil
%Solids: 85.5

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	4.99	200	10/14/2005
Benzene	BQL	0.200	200	10/14/2005
Bromobenzene	BQL	0.200	200	10/14/2005
Bromochloromethane	BQL	0.200	200	10/14/2005
Bromodichloromethane	BQL	0.200	200	10/14/2005
Bromoform	BQL	0.200	200	10/14/2005
Bromomethane	BQL	0.200	200	10/14/2005
2-Butanone	BQL	4.99	200	10/14/2005
n-Butylbenzene	BQL	0.200	200	10/14/2005
sec-Butylbenzene	BQL	0.200	200	10/14/2005
tert-Butylbenzene	BQL	0.200	200	10/14/2005
Carbon disulfide	BQL	0.200	200	10/14/2005
Carbon tetrachloride	BQL	0.200	200	10/14/2005
Chlorobenzene	BQL	0.200	200	10/14/2005
Chloroethane	BQL	0.200	200	10/14/2005
Chloroform	BQL	0.200	200	10/14/2005
Chloromethane	BQL	0.200	200	10/14/2005
2-Chlorotoluene	BQL	0.200	200	10/14/2005
4-Chlorotoluene	BQL	0.200	200	10/14/2005
Dibromochloromethane	BQL	0.200	200	10/14/2005
1,2-Dibromo-3-chloropropane	BQL	0.998	200	10/14/2005
Dibromomethane	BQL	0.200	200	10/14/2005
1,2-Dibromoethane (EDB)	BQL	0.200	200	10/14/2005
1,2-Dichlorobenzene	BQL	0.200	200	10/14/2005
1,3-Dichlorobenzene	BQL	0.200	200	10/14/2005
1,4-Dichlorobenzene	BQL	0.200	200	10/14/2005
trans-1,4-Dichloro-2-butene	BQL	0.998	200	10/14/2005
1,1-Dichloroethane	BQL	0.200	200	10/14/2005
1,1-Dichloroethene	BQL	0.200	200	10/14/2005
1,2-Dichloroethane	BQL	0.200	200	10/14/2005
cis-1,2-Dichloroethene	BQL	0.200	200	10/14/2005
trans-1,2-dichloroethene	BQL	0.200	200	10/14/2005
1,2-Dichloropropane	BQL	0.200	200	10/14/2005
1,3-Dichloropropane	BQL	0.200	200	10/14/2005
2,2-Dichloropropane	BQL	0.200	200	10/14/2005
1,1-Dichloropropene	BQL	0.200	200	10/14/2005
cis-1,3-Dichloropropene	BQL	0.200	200	10/14/2005
trans-1,3-Dichloropropene	BQL	0.200	200	10/14/2005
Dichlorodifluoromethane	BQL	0.998	200	10/14/2005
Diisopropyl ether (DIPE)	BQL	0.200	200	10/14/2005
Ethylbenzene	**1.21**	0.200	200	10/14/2005
Hexachlorobutadiene	BQL	0.200	200	10/14/2005
2-Hexanone	BQL	0.998	200	10/14/2005
Iodomethane	BQL	0.200	200	10/14/2005
Isopropylbenzene	BQL	0.200	200	10/14/2005

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: MS-15-5
Client Project ID: Martin Site
Lab Sample ID: G161-2182-6D
Lab Project ID: G161-2182
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 10/4/2005 13:51
Date Received: 10/6/2005
Matrix: Soil
%Solids: 85.5

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.200	200	10/14/2005
Methylene chloride	BQL	0.998	200	10/14/2005
4-Methyl-2-pentanone	BQL	0.998	200	10/14/2005
Methyl-tert-butyl ether (MTBE)	**0.233**	0.200	200	10/14/2005
Naphthalene	**1.40**	0.200	200	10/14/2005
n-Propyl benzene	**0.762**	0.200	200	10/14/2005
Styrene	BQL	0.200	200	10/14/2005
1,1,1,2-Tetrachloroethane	BQL	0.200	200	10/14/2005
1,1,2,2-Tetrachloroethane	BQL	0.200	200	10/14/2005
Tetrachloroethene	BQL	0.200	200	10/14/2005
Toluene	**1.18**	0.200	200	10/14/2005
1,2,3-Trichlorobenzene	BQL	0.200	200	10/14/2005
1,2,4-Trichlorobenzene	BQL	0.200	200	10/14/2005
Trichloroethene	BQL	0.200	200	10/14/2005
1,1,1-Trichloroethane	BQL	0.200	200	10/14/2005
1,1,2-Trichloroethane	BQL	0.200	200	10/14/2005
Trichlorofluoromethane	BQL	0.200	200	10/14/2005
1,2,3-Trichloropropane	BQL	0.200	200	10/14/2005
1,2,4-Trimethylbenzene	**5.61**	0.200	200	10/14/2005
1,3,5-Trimethylbenzene	**1.74**	0.200	200	10/14/2005
Vinyl chloride	BQL	0.200	200	10/14/2005
m-,p-Xylene	**4.23**	0.399	200	10/14/2005
o-Xylene	**1.85**	0.200	200	10/14/2005

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.01	0.0103	103
1,2-Dichloroethane-d4	0.01	0.0103	103
Toluene-d8	0.01	0.00997	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: MS-15-5
Client Project ID: Martin Site
Lab Sample ID: G161-2182-6H
Lab Project ID: G161-2182
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 10/4/2005 13:51
Date Received: 10/6/2005
Date Extracted: 10/7/2005
Matrix: Soil
% Solids: 85.51

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.360	1	10/11/2005
Acenaphthylene	BQL	0.360	1	10/11/2005
Anthracene	BQL	0.360	1	10/11/2005
Benzo[a]anthracene	BQL	0.360	1	10/11/2005
Benzo[a]pyrene	BQL	0.360	1	10/11/2005
Benzo[b]fluoranthene	BQL	0.360	1	10/11/2005
Benzo[g,h,i]perylene	BQL	0.360	1	10/11/2005
Benzo[k]fluoranthene	BQL	0.360	1	10/11/2005
Bis(2-chloroethoxy)methane	BQL	0.360	1	10/11/2005
Bis(2-chloroethyl)ether	BQL	0.360	1	10/11/2005
Bis(2-chloroisopropyl)ether	BQL	0.360	1	10/11/2005
Bis(2-ethylhexyl)phthalate	BQL	0.360	1	10/11/2005
4-bromophenyl phenyl ether	BQL	0.360	1	10/11/2005
Butylbenzylphthalate	BQL	0.360	1	10/11/2005
2-Chloronaphthalene	BQL	0.360	1	10/11/2005
4-Chloroaniline	BQL	1.80	1	10/11/2005
4-Chlorophenyl phenyl ether	BQL	0.360	1	10/11/2005
Chrysene	BQL	0.360	1	10/11/2005
Dibenzo[a,h]anthracene	BQL	0.360	1	10/11/2005
Dibenzofuran	BQL	0.360	1	10/11/2005
Di-n-Butylphthalate	BQL	0.360	1	10/11/2005
1,2-Dichlorobenzene	BQL	0.360	1	10/11/2005
1,3-Dichlorobenzene	BQL	0.360	1	10/11/2005
1,4-Dichlorobenzene	BQL	0.360	1	10/11/2005
3,3'-Dichlorobenzidine	BQL	0.721	1	10/11/2005
Diethylphthalate	BQL	0.360	1	10/11/2005
Dimethylphthalate	BQL	0.360	1	10/11/2005
Di-n-octylphthalate	BQL	0.360	1	10/11/2005
2,4-Dinitrotoluene	BQL	0.360	1	10/11/2005
2,6-Dinitrotoluene	BQL	0.360	1	10/11/2005
Diphenylamine *	BQL	0.360	1	10/11/2005
Fluoranthene	BQL	0.360	1	10/11/2005
Fluorene	BQL	0.360	1	10/11/2005
Hexachlorobenzene	BQL	0.360	1	10/11/2005
Hexachlorobutadiene	BQL	0.360	1	10/11/2005
Hexachlorocyclopentadiene	BQL	0.721	1	10/11/2005
Hexachloroethane	BQL	0.360	1	10/11/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.360	1	10/11/2005
Isophorone	BQL	0.360	1	10/11/2005
2-Methylnaphthalene	**2.62**	0.360	1	10/11/2005
Naphthalene	**1.38**	0.360	1	10/11/2005
2-Nitroaniline	BQL	0.360	1	10/11/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: MS-15-5
Client Project ID: Martin Site
Lab Sample ID: G161-2182-6H
Lab Project ID: G161-2182
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 10/4/2005 13:51
Date Received: 10/6/2005
Date Extracted: 10/7/2005
Matrix: Soil
% Solids: 85.51

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.80	1	10/11/2005
4-Nitroaniline	BQL	1.80	1	10/11/2005
Nitrobenzene	BQL	0.360	1	10/11/2005
N-Nitrosodi-n-propylamine	BQL	0.360	1	10/11/2005
Phenanthrene	BQL	0.360	1	10/11/2005
Pyrene	BQL	0.360	1	10/11/2005
1,2,4-Trichlorobenzene	BQL	0.360	1	10/11/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.9	99
Nitrobenzene-d5	10	10.8	108
4-Terphenyl-d14	10	10.2	102

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: Martin Site

Sample Information and Analytical Results	
Sample Identification	MS-15-10
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	10/04/05
Date Received	10/06/05
Date Extracted	10/04/05
Date Analyzed	10/11/05
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	100
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: g161-2182-7d

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MS-15-10
Sample Matrix	Soil
Date Collected	10/04/05
Date Received	10/06/05
Date Extracted	10/07/05
Date Analyzed	10/10/05
Dry Weight	87.2
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	96
Aromatic Surrogate % Recovery	94

Comments:

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

Lab info: G161-2182-7I

Reviewed By: RW

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: MS-15-10
Client Project ID: Martin Site
Lab Sample ID G161-2182-7B
Lab Project ID: G161-2182
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 10-04-2005 13:57
Date Received: 10/6/2005
Matrix: Soil
%Solids: 87.2

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0444	1	10/13/2005
Benzene	**0.00452**	0.00444	1	10/13/2005
Bromobenzene	BQL	0.00444	1	10/13/2005
Bromochloromethane	BQL	0.00444	1	10/13/2005
Bromodichloromethane	BQL	0.00444	1	10/13/2005
Bromoform	BQL	0.00444	1	10/13/2005
Bromomethane	BQL	0.00444	1	10/13/2005
2-Butanone	BQL	0.0222	1	10/13/2005
n-Butylbenzene	BQL	0.00444	1	10/13/2005
sec-Butylbenzene	BQL	0.00444	1	10/13/2005
tert-Butylbenzene	BQL	0.00444	1	10/13/2005
Carbon disulfide	BQL	0.00444	1	10/13/2005
Carbon tetrachloride	BQL	0.00444	1	10/13/2005
Chlorobenzene	BQL	0.00444	1	10/13/2005
Chloroethane	BQL	0.00444	1	10/13/2005
Chloroform	BQL	0.00444	1	10/13/2005
Chloromethane	BQL	0.00444	1	10/13/2005
2-Chlorotoluene	BQL	0.00444	1	10/13/2005
4-Chlorotoluene	BQL	0.00444	1	10/13/2005
Dibromochloromethane	BQL	0.00444	1	10/13/2005
1,2-Dibromo-3-chloropropane	BQL	0.00444	1	10/13/2005
Dibromomethane	BQL	0.00444	1	10/13/2005
1,2-Dibromoethane (EDB)	BQL	0.00444	1	10/13/2005
1,2-Dichlorobenzene	BQL	0.00444	1	10/13/2005
1,3-Dichlorobenzene	BQL	0.00444	1	10/13/2005
1,4-Dichlorobenzene	BQL	0.00444	1	10/13/2005
trans-1,4-Dichloro-2-butene	BQL	0.00444	1	10/13/2005
1,1-Dichloroethane	BQL	0.00444	1	10/13/2005
1,1-Dichloroethene	BQL	0.00444	1	10/13/2005
1,2-Dichloroethane	BQL	0.00444	1	10/13/2005
cis-1,2-Dichloroethene	BQL	0.00444	1	10/13/2005
trans-1,2-dichloroethene	BQL	0.00444	1	10/13/2005
1,2-Dichloropropane	BQL	0.00444	1	10/13/2005
1,3-Dichloropropane	BQL	0.00444	1	10/13/2005
2,2-Dichloropropane	BQL	0.00444	1	10/13/2005
1,1-Dichloropropene	BQL	0.00444	1	10/13/2005
cis-1,3-Dichloropropene	BQL	0.00444	1	10/13/2005
trans-1,3-Dichloropropene	BQL	0.00444	1	10/13/2005
Dichlorodifluoromethane	BQL	0.00444	1	10/13/2005
Diisopropyl ether (DIPE)	BQL	0.00444	1	10/13/2005
Ethylbenzene	BQL	0.00444	1	10/13/2005
Hexachlorobutadiene	BQL	0.00444	1	10/13/2005
2-Hexanone	BQL	0.00444	1	10/13/2005
Iodomethane	BQL	0.00444	1	10/13/2005

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: MS-15-10
Client Project ID: Martin Site
Lab Sample ID G161-2182-7B
Lab Project ID: G161-2182
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 10-04-2005 13:57
Date Received: 10/6/2005
Matrix: Soil
%Solids: 87.2

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00444	1	10/13/2005
4-Isopropyltoluene	BQL	0.00444	1	10/13/2005
Methylene chloride	BQL	0.0178	1	10/13/2005
4-Methyl-2-pentanone	BQL	0.00444	1	10/13/2005
Methyl-tert-butyl ether (MTBE)	**0.0906**	0.00444	1	10/13/2005
Naphthalene	BQL	0.00444	1	10/13/2005
n-Propyl benzene	BQL	0.00444	1	10/13/2005
Styrene	BQL	0.00444	1	10/13/2005
1,1,1,2-Tetrachloroethane	BQL	0.00444	1	10/13/2005
1,1,2,2-Tetrachloroethane	BQL	0.00444	1	10/13/2005
Tetrachloroethene	BQL	0.00444	1	10/13/2005
Toluene	**0.00804**	0.00444	1	10/13/2005
1,2,3-Trichlorobenzene	BQL	0.00444	1	10/13/2005
1,2,4-Trichlorobenzene	BQL	0.00444	1	10/13/2005
Trichloroethene	BQL	0.00444	1	10/13/2005
1,1,1-Trichloroethane	BQL	0.00444	1	10/13/2005
1,1,2-Trichloroethane	BQL	0.00444	1	10/13/2005
Trichlorofluoromethane	BQL	0.00444	1	10/13/2005
1,2,3-Trichloropropane	BQL	0.00444	1	10/13/2005
1,2,4-Trimethylbenzene	BQL	0.00444	1	10/13/2005
1,3,5-Trimethylbenzene	BQL	0.00444	1	10/13/2005
Vinyl chloride	BQL	0.00444	1	10/13/2005
m-,p-Xylene	BQL	0.00889	1	10/13/2005
o-Xylene	BQL	0.00444	1	10/13/2005

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0475	95
1,2-Dichloroethane-d4	0.05	0.0629	126
Toluene-d8	0.05	0.0501	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: MS-15-10
Client Project ID: Martin Site
Lab Sample ID: G161-2182-7H
Lab Project ID: G161-2182
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 10/4/2005 13:57
Date Received: 10/6/2005
Date Extracted: 10/7/2005
Matrix: Soil
% Solids: 87.22

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.348	1	10/11/2005
Acenaphthylene	BQL	0.348	1	10/11/2005
Anthracene	BQL	0.348	1	10/11/2005
Benzo[a]anthracene	BQL	0.348	1	10/11/2005
Benzo[a]pyrene	BQL	0.348	1	10/11/2005
Benzo[b]fluoranthene	BQL	0.348	1	10/11/2005
Benzo[g,h,i]perylene	BQL	0.348	1	10/11/2005
Benzo[k]fluoranthene	BQL	0.348	1	10/11/2005
Bis(2-chloroethoxy)methane	BQL	0.348	1	10/11/2005
Bis(2-chloroethyl)ether	BQL	0.348	1	10/11/2005
Bis(2-chloroisopropyl)ether	BQL	0.348	1	10/11/2005
Bis(2-ethylhexyl)phthalate	BQL	0.348	1	10/11/2005
4-bromophenyl phenyl ether	BQL	0.348	1	10/11/2005
Butylbenzylphthalate	BQL	0.348	1	10/11/2005
2-Chloronaphthalene	BQL	0.348	1	10/11/2005
4-Chloroaniline	BQL	1.74	1	10/11/2005
4-Chlorophenyl phenyl ether	BQL	0.348	1	10/11/2005
Chrysene	BQL	0.348	1	10/11/2005
Dibenzo[a,h]anthracene	BQL	0.348	1	10/11/2005
Dibenzofuran	BQL	0.348	1	10/11/2005
Di-n-Butylphthalate	BQL	0.348	1	10/11/2005
1,2-Dichlorobenzene	BQL	0.348	1	10/11/2005
1,3-Dichlorobenzene	BQL	0.348	1	10/11/2005
1,4-Dichlorobenzene	BQL	0.348	1	10/11/2005
3,3'-Dichlorobenzidine	BQL	0.696	1	10/11/2005
Diethylphthalate	BQL	0.348	1	10/11/2005
Dimethylphthalate	BQL	0.348	1	10/11/2005
Di-n-octylphthalate	BQL	0.348	1	10/11/2005
2,4-Dinitrotoluene	BQL	0.348	1	10/11/2005
2,6-Dinitrotoluene	BQL	0.348	1	10/11/2005
Diphenylamine *	BQL	0.348	1	10/11/2005
Fluoranthene	BQL	0.348	1	10/11/2005
Fluorene	BQL	0.348	1	10/11/2005
Hexachlorobenzene	BQL	0.348	1	10/11/2005
Hexachlorobutadiene	BQL	0.348	1	10/11/2005
Hexachlorocyclopentadiene	BQL	0.696	1	10/11/2005
Hexachloroethane	BQL	0.348	1	10/11/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.348	1	10/11/2005
Isophorone	BQL	0.348	1	10/11/2005
2-Methylnaphthalene	**0.658**	0.348	1	10/11/2005
Naphthalene	**0.518**	0.348	1	10/11/2005
2-Nitroaniline	BQL	0.348	1	10/11/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: MS-15-10
Client Project ID: Martin Site
Lab Sample ID: G161-2182-7H
Lab Project ID: G161-2182
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 10/4/2005 13:57
Date Received: 10/6/2005
Date Extracted: 10/7/2005
Matrix: Soil
% Solids: 87.22

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.74	1	10/11/2005
4-Nitroaniline	BQL	1.74	1	10/11/2005
Nitrobenzene	BQL	0.348	1	10/11/2005
N-Nitrosodi-n-propylamine	BQL	0.348	1	10/11/2005
Phenanthrene	BQL	0.348	1	10/11/2005
Pyrene	BQL	0.348	1	10/11/2005
1,2,4-Trichlorobenzene	BQL	0.348	1	10/11/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.5	105
Nitrobenzene-d5	10	10.9	109
4-Terphenyl-d14	10	11	110

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Metals

Client Sample ID:	MS-16-1	Analyzed By:	PSW
Client Project ID:	Martin Site	Date Collected:	10/5/2005 16:18
Lab Sample ID:	G161-2182-8	Date Received:	10/6/2005
Lab Project ID:	G161-2182	Matrix:	SOIL
Batch ID:	3808 3802	Solids	88.16
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	**109**	1.07	1	MG/KG	6010B	10/12/2005
Barium	**480**	10.7	1	MG/KG	6010B	10/12/2005
Cadmium	**8.40**	1.07	1	MG/KG	6010B	10/12/2005
Chromium	**25.6**	1.07	1	MG/KG	6010B	10/12/2005
Lead	**1120**	1.07	1	MG/KG	6010B	10/12/2005
Mercury	**0.0872**	0.0214	1	MG/KG	7471	10/12/2005
Selenium	**16.8**	2.14	1	MG/KG	6010B	10/12/2005
Silver	**3.75**	1.07	1	MG/KG	6010B	10/12/2005

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:	MS-16-1	Analyzed By:	PSW
Client Project ID:	Martin Site	Date Collected:	10/5/2005 00:00
Lab Sample ID:	G161-2236-2	Date Received:	10/6/2005
Lab Project ID:	G161-2236	Matrix:	LEACHATE
Batch ID:	4008		

Metals TCLP	Result	RL	DF	Units	Method	Date Analyzed
Lead	**0.270**	0.100	1	MG/L	6010B	11/15/2005

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 Volatiles
by GCMS 8260-5035

Client Sample ID: MS-16-5
Client Project ID: Martin Site
Lab Sample ID G161-2182-9A
Lab Project ID: G161-2182
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 10-04-2005 14:45
Date Received: 10/6/2005
Matrix: Soil
%Solids: 81.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0496	1	10/13/2005
Benzene	BQL	0.00496	1	10/13/2005
Bromobenzene	BQL	0.00496	1	10/13/2005
Bromochloromethane	BQL	0.00496	1	10/13/2005
Bromodichloromethane	BQL	0.00496	1	10/13/2005
Bromoform	BQL	0.00496	1	10/13/2005
Bromomethane	BQL	0.00496	1	10/13/2005
2-Butanone	BQL	0.0248	1	10/13/2005
n-Butylbenzene	BQL	0.00496	1	10/13/2005
sec-Butylbenzene	BQL	0.00496	1	10/13/2005
tert-Butylbenzene	BQL	0.00496	1	10/13/2005
Carbon disulfide	BQL	0.00496	1	10/13/2005
Carbon tetrachloride	BQL	0.00496	1	10/13/2005
Chlorobenzene	BQL	0.00496	1	10/13/2005
Chloroethane	BQL	0.00496	1	10/13/2005
Chloroform	BQL	0.00496	1	10/13/2005
Chloromethane	BQL	0.00496	1	10/13/2005
2-Chlorotoluene	BQL	0.00496	1	10/13/2005
4-Chlorotoluene	BQL	0.00496	1	10/13/2005
Dibromochloromethane	BQL	0.00496	1	10/13/2005
1,2-Dibromo-3-chloropropane	BQL	0.00496	1	10/13/2005
Dibromomethane	BQL	0.00496	1	10/13/2005
1,2-Dibromoethane (EDB)	BQL	0.00496	1	10/13/2005
1,2-Dichlorobenzene	BQL	0.00496	1	10/13/2005
1,3-Dichlorobenzene	BQL	0.00496	1	10/13/2005
1,4-Dichlorobenzene	BQL	0.00496	1	10/13/2005
trans-1,4-Dichloro-2-butene	BQL	0.00496	1	10/13/2005
1,1-Dichloroethane	BQL	0.00496	1	10/13/2005
1,1-Dichloroethene	BQL	0.00496	1	10/13/2005
1,2-Dichloroethane	BQL	0.00496	1	10/13/2005
cis-1,2-Dichloroethene	BQL	0.00496	1	10/13/2005
trans-1,2-dichloroethene	BQL	0.00496	1	10/13/2005
1,2-Dichloropropane	BQL	0.00496	1	10/13/2005
1,3-Dichloropropane	BQL	0.00496	1	10/13/2005
2,2-Dichloropropane	BQL	0.00496	1	10/13/2005
1,1-Dichloropropene	BQL	0.00496	1	10/13/2005
cis-1,3-Dichloropropene	BQL	0.00496	1	10/13/2005
trans-1,3-Dichloropropene	BQL	0.00496	1	10/13/2005
Dichlorodifluoromethane	BQL	0.00496	1	10/13/2005
Diisopropyl ether (DIPE)	BQL	0.00496	1	10/13/2005
Ethylbenzene	BQL	0.00496	1	10/13/2005
Hexachlorobutadiene	BQL	0.00496	1	10/13/2005
2-Hexanone	BQL	0.00496	1	10/13/2005
Iodomethane	BQL	0.00496	1	10/13/2005

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: MS-16-5
Client Project ID: Martin Site
Lab Sample ID G161-2182-9A
Lab Project ID: G161-2182
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 10-04-2005 14:45
Date Received: 10/6/2005
Matrix: Soil
%Solids: 81.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00496	1	10/13/2005
4-Isopropyltoluene	BQL	0.00496	1	10/13/2005
Methylene chloride	BQL	0.0198	1	10/13/2005
4-Methyl-2-pentanone	BQL	0.00496	1	10/13/2005
Methyl-tert-butyl ether (MTBE)	BQL	0.00496	1	10/13/2005
Naphthalene	BQL	0.00496	1	10/13/2005
n-Propyl benzene	BQL	0.00496	1	10/13/2005
Styrene	BQL	0.00496	1	10/13/2005
1,1,1,2-Tetrachloroethane	BQL	0.00496	1	10/13/2005
1,1,2,2-Tetrachloroethane	BQL	0.00496	1	10/13/2005
Tetrachloroethene	BQL	0.00496	1	10/13/2005
Toluene	BQL	0.00496	1	10/13/2005
1,2,3-Trichlorobenzene	BQL	0.00496	1	10/13/2005
1,2,4-Trichlorobenzene	BQL	0.00496	1	10/13/2005
Trichloroethene	BQL	0.00496	1	10/13/2005
1,1,1-Trichloroethane	BQL	0.00496	1	10/13/2005
1,1,2-Trichloroethane	BQL	0.00496	1	10/13/2005
Trichlorofluoromethane	BQL	0.00496	1	10/13/2005
1,2,3-Trichloropropane	BQL	0.00496	1	10/13/2005
1,2,4-Trimethylbenzene	BQL	0.00496	1	10/13/2005
1,3,5-Trimethylbenzene	BQL	0.00496	1	10/13/2005
Vinyl chloride	BQL	0.00496	1	10/13/2005
m-,p-Xylene	BQL	0.00991	1	10/13/2005
o-Xylene	BQL	0.00496	1	10/13/2005

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0488	98
1,2-Dichloroethane-d4	0.05	0.0566	113
Toluene-d8	0.05	0.0504	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: MS-16-5
Client Project ID: Martin Site
Lab Sample ID: G161-2182-9H
Lab Project ID: G161-2182
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 10/4/2005 14:45
Date Received: 10/6/2005
Date Extracted: 10/7/2005
Matrix: Soil
% Solids: 81.35

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.362	1	10/11/2005
Acenaphthylene	BQL	0.362	1	10/11/2005
Anthracene	BQL	0.362	1	10/11/2005
Benzo[a]anthracene	BQL	0.362	1	10/11/2005
Benzo[a]pyrene	BQL	0.362	1	10/11/2005
Benzo[b]fluoranthene	BQL	0.362	1	10/11/2005
Benzo[g,h,i]perylene	BQL	0.362	1	10/11/2005
Benzo[k]fluoranthene	BQL	0.362	1	10/11/2005
Bis(2-chloroethoxy)methane	BQL	0.362	1	10/11/2005
Bis(2-chloroethyl)ether	BQL	0.362	1	10/11/2005
Bis(2-chloroisopropyl)ether	BQL	0.362	1	10/11/2005
Bis(2-ethylhexyl)phthalate	BQL	0.362	1	10/11/2005
4-bromophenyl phenyl ether	BQL	0.362	1	10/11/2005
Butylbenzylphthalate	BQL	0.362	1	10/11/2005
2-Chloronaphthalene	BQL	0.362	1	10/11/2005
4-Chloroaniline	BQL	1.81	1	10/11/2005
4-Chlorophenyl phenyl ether	BQL	0.362	1	10/11/2005
Chrysene	BQL	0.362	1	10/11/2005
Dibenzo[a,h]anthracene	BQL	0.362	1	10/11/2005
Dibenzofuran	BQL	0.362	1	10/11/2005
Di-n-Butylphthalate	BQL	0.362	1	10/11/2005
1,2-Dichlorobenzene	BQL	0.362	1	10/11/2005
1,3-Dichlorobenzene	BQL	0.362	1	10/11/2005
1,4-Dichlorobenzene	BQL	0.362	1	10/11/2005
3,3'-Dichlorobenzidine	BQL	0.724	1	10/11/2005
Diethylphthalate	BQL	0.362	1	10/11/2005
Dimethylphthalate	BQL	0.362	1	10/11/2005
Di-n-octylphthalate	BQL	0.362	1	10/11/2005
2,4-Dinitrotoluene	BQL	0.362	1	10/11/2005
2,6-Dinitrotoluene	BQL	0.362	1	10/11/2005
Diphenylamine *	BQL	0.362	1	10/11/2005
Fluoranthene	BQL	0.362	1	10/11/2005
Fluorene	BQL	0.362	1	10/11/2005
Hexachlorobenzene	BQL	0.362	1	10/11/2005
Hexachlorobutadiene	BQL	0.362	1	10/11/2005
Hexachlorocyclopentadiene	BQL	0.724	1	10/11/2005
Hexachloroethane	BQL	0.362	1	10/11/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.362	1	10/11/2005
Isophorone	BQL	0.362	1	10/11/2005
2-Methylnaphthalene	BQL	0.362	1	10/11/2005
Naphthalene	BQL	0.362	1	10/11/2005
2-Nitroaniline	BQL	0.362	1	10/11/2005

Results for Semivolatiles
by GCMS 8270-BN

Client Sample ID: MS-16-5
Client Project ID: Martin Site
Lab Sample ID: G161-2182-9H
Lab Project ID: G161-2182
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 10/4/2005 14:45
Date Received: 10/6/2005
Date Extracted: 10/7/2005
Matrix: Soil
% Solids: 81.35

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
3-Nitroaniline	BQL	1.81	1	10/11/2005
4-Nitroaniline	BQL	1.81	1	10/11/2005
Nitrobenzene	BQL	0.362	1	10/11/2005
N-Nitrosodi-n-propylamine	BQL	0.362	1	10/11/2005
Phenanthrene	BQL	0.362	1	10/11/2005
Pyrene	BQL	0.362	1	10/11/2005
1,2,4-Trichlorobenzene	BQL	0.362	1	10/11/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.2	82
Nitrobenzene-d5	10	8.6	86
4-Terphenyl-d14	10	8.4	84

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: BJV

Results for Metals

Client Sample ID:	MS-17-2	Analyzed By:	PSW
Client Project ID:	Martin Site	Date Collected:	10/4/2005 15:27
Lab Sample ID:	G161-2182-10	Date Received:	10/6/2005
Lab Project ID:	G161-2182	Matrix:	SOIL
Batch ID:	3808 3802	Solids	95.45
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	**9.16**	0.935	1	MG/KG	6010B	10/12/2005
Barium	**148**	9.35	1	MG/KG	6010B	10/12/2005
Cadmium	BQL	0.935	1	MG/KG	6010B	10/12/2005
Chromium	**10.4**	0.935	1	MG/KG	6010B	10/12/2005
Lead	**131**	0.935	1	MG/KG	6010B	10/12/2005
Mercury	**0.163**	0.0192	1	MG/KG	7471	10/12/2005
Selenium	**3.04**	1.87	1	MG/KG	6010B	10/12/2005
Silver	BQL	0.935	1	MG/KG	6010B	10/12/2005

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 Volatiles
by GCMS 8260-5035

Client Sample ID: MS-17-5
Client Project ID: Martin Site
Lab Sample ID G161-2182-11A
Lab Project ID: G161-2182
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 10-04-2005 15:30
Date Received: 10/6/2005
Matrix: Soil
%Solids: 87.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0355	1	10/13/2005
Benzene	BQL	0.00355	1	10/13/2005
Bromobenzene	BQL	0.00355	1	10/13/2005
Bromochloromethane	BQL	0.00355	1	10/13/2005
Bromodichloromethane	BQL	0.00355	1	10/13/2005
Bromoform	BQL	0.00355	1	10/13/2005
Bromomethane	BQL	0.00355	1	10/13/2005
2-Butanone	BQL	0.0177	1	10/13/2005
n-Butylbenzene	BQL	0.00355	1	10/13/2005
sec-Butylbenzene	BQL	0.00355	1	10/13/2005
tert-Butylbenzene	BQL	0.00355	1	10/13/2005
Carbon disulfide	BQL	0.00355	1	10/13/2005
Carbon tetrachloride	BQL	0.00355	1	10/13/2005
Chlorobenzene	BQL	0.00355	1	10/13/2005
Chloroethane	BQL	0.00355	1	10/13/2005
Chloroform	BQL	0.00355	1	10/13/2005
Chloromethane	BQL	0.00355	1	10/13/2005
2-Chlorotoluene	BQL	0.00355	1	10/13/2005
4-Chlorotoluene	BQL	0.00355	1	10/13/2005
Dibromochloromethane	BQL	0.00355	1	10/13/2005
1,2-Dibromo-3-chloropropane	BQL	0.00355	1	10/13/2005
Dibromomethane	BQL	0.00355	1	10/13/2005
1,2-Dibromoethane (EDB)	BQL	0.00355	1	10/13/2005
1,2-Dichlorobenzene	BQL	0.00355	1	10/13/2005
1,3-Dichlorobenzene	BQL	0.00355	1	10/13/2005
1,4-Dichlorobenzene	BQL	0.00355	1	10/13/2005
trans-1,4-Dichloro-2-butene	BQL	0.00355	1	10/13/2005
1,1-Dichloroethane	BQL	0.00355	1	10/13/2005
1,1-Dichloroethene	BQL	0.00355	1	10/13/2005
1,2-Dichloroethane	BQL	0.00355	1	10/13/2005
cis-1,2-Dichloroethene	BQL	0.00355	1	10/13/2005
trans-1,2-dichloroethene	BQL	0.00355	1	10/13/2005
1,2-Dichloropropane	BQL	0.00355	1	10/13/2005
1,3-Dichloropropane	BQL	0.00355	1	10/13/2005
2,2-Dichloropropane	BQL	0.00355	1	10/13/2005
1,1-Dichloropropene	BQL	0.00355	1	10/13/2005
cis-1,3-Dichloropropene	BQL	0.00355	1	10/13/2005
trans-1,3-Dichloropropene	BQL	0.00355	1	10/13/2005
Dichlorodifluoromethane	BQL	0.00355	1	10/13/2005
Diisopropyl ether (DIPE)	BQL	0.00355	1	10/13/2005
Ethylbenzene	BQL	0.00355	1	10/13/2005
Hexachlorobutadiene	BQL	0.00355	1	10/13/2005
2-Hexanone	BQL	0.00355	1	10/13/2005
Iodomethane	BQL	0.00355	1	10/13/2005

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: MS-17-5
Client Project ID: Martin Site
Lab Sample ID G161-2182-11A
Lab Project ID: G161-2182
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 10-04-2005 15:30
Date Received: 10/6/2005
Matrix: Soil
%Solids: 87.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00355	1	10/13/2005
4-Isopropyltoluene	BQL	0.00355	1	10/13/2005
Methylene chloride	BQL	0.0142	1	10/13/2005
4-Methyl-2-pentanone	BQL	0.00355	1	10/13/2005
Methyl-tert-butyl ether (MTBE)	BQL	0.00355	1	10/13/2005
Naphthalene	BQL	0.00355	1	10/13/2005
n-Propyl benzene	BQL	0.00355	1	10/13/2005
Styrene	BQL	0.00355	1	10/13/2005
1,1,1,2-Tetrachloroethane	BQL	0.00355	1	10/13/2005
1,1,2,2-Tetrachloroethane	BQL	0.00355	1	10/13/2005
Tetrachloroethene	BQL	0.00355	1	10/13/2005
Toluene	BQL	0.00355	1	10/13/2005
1,2,3-Trichlorobenzene	BQL	0.00355	1	10/13/2005
1,2,4-Trichlorobenzene	BQL	0.00355	1	10/13/2005
Trichloroethene	BQL	0.00355	1	10/13/2005
1,1,1-Trichloroethane	BQL	0.00355	1	10/13/2005
1,1,2-Trichloroethane	BQL	0.00355	1	10/13/2005
Trichlorofluoromethane	BQL	0.00355	1	10/13/2005
1,2,3-Trichloropropane	BQL	0.00355	1	10/13/2005
1,2,4-Trimethylbenzene	BQL	0.00355	1	10/13/2005
1,3,5-Trimethylbenzene	BQL	0.00355	1	10/13/2005
Vinyl chloride	BQL	0.00355	1	10/13/2005
m-,p-Xylene	BQL	0.00709	1	10/13/2005
o-Xylene	BQL	0.00355	1	10/13/2005

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.05	0.0481	96
1,2-Dichloroethane-d4	0.05	0.0572	114
Toluene-d8	0.05	0.0503	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: RW

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MS-17-5
Client Project ID: Martin Site
Lab Sample ID: G161-2182-11H
Lab Project ID: G161-2182
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 10/4/2005 15:30
Date Received: 10/6/2005
Date Extracted: 10/7/2005
Matrix: Soil
% Solids: 87.05

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.352	1	10/10/2005
Acenaphthylene	BQL	0.352	1	10/10/2005
Anthracene	BQL	0.352	1	10/10/2005
Benzo[a]anthracene	BQL	0.352	1	10/10/2005
Benzo[a]pyrene	BQL	0.352	1	10/10/2005
Benzo[b]fluoranthene	BQL	0.352	1	10/10/2005
Benzo[g,h,i]perylene	BQL	0.352	1	10/10/2005
Benzo[k]fluoranthene	BQL	0.352	1	10/10/2005
Benzoic Acid	BQL	0.703	1	10/10/2005
Bis(2-chloroethoxy)methane	BQL	0.352	1	10/10/2005
Bis(2-chloroethyl)ether	BQL	0.352	1	10/10/2005
Bis(2-chloroisopropyl)ether	BQL	0.352	1	10/10/2005
Bis(2-ethylhexyl)phthalate	BQL	0.352	1	10/10/2005
4-bromophenyl phenyl ether	BQL	0.352	1	10/10/2005
Butylbenzylphthalate	BQL	0.352	1	10/10/2005
2-Chloronaphthalene	BQL	0.352	1	10/10/2005
2-Chlorophenol	BQL	0.352	1	10/10/2005
4-Chloro-3-methylphenol	BQL	0.352	1	10/10/2005
4-Chloroaniline	BQL	1.76	1	10/10/2005
4-Chlorophenyl phenyl ether	BQL	0.352	1	10/10/2005
Chrysene	BQL	0.352	1	10/10/2005
Dibenzo[a,h]anthracene	BQL	0.352	1	10/10/2005
Dibenzofuran	BQL	0.352	1	10/10/2005
Di-n-Butylphthalate	BQL	0.352	1	10/10/2005
1,2-Dichlorobenzene	BQL	0.352	1	10/10/2005
1,3-Dichlorobenzene	BQL	0.352	1	10/10/2005
1,4-Dichlorobenzene	BQL	0.352	1	10/10/2005
3,3'-Dichlorobenzidine	BQL	0.703	1	10/10/2005
2,4-Dichlorophenol	BQL	0.352	1	10/10/2005
Diethylphthalate	BQL	0.352	1	10/10/2005
Dimethylphthalate	BQL	0.352	1	10/10/2005
2,4-Dimethylphenol	BQL	0.352	1	10/10/2005
Di-n-octylphthalate	BQL	0.352	1	10/10/2005
4,6-Dinitro-2-methylphenol	BQL	1.76	1	10/10/2005
2,4-Dinitrophenol	BQL	1.76	1	10/10/2005
2,4-Dinitrotoluene	BQL	0.352	1	10/10/2005
2,6-Dinitrotoluene	BQL	0.352	1	10/10/2005
Diphenylamine *	BQL	0.352	1	10/10/2005
Fluoranthene	BQL	0.352	1	10/10/2005
Fluorene	BQL	0.352	1	10/10/2005
Hexachlorobenzene	BQL	0.352	1	10/10/2005
Hexachlorobutadiene	BQL	0.352	1	10/10/2005

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MS-17-5
Client Project ID: Martin Site
Lab Sample ID: G161-2182-11H
Lab Project ID: G161-2182
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 10/4/2005 15:30
Date Received: 10/6/2005
Date Extracted: 10/7/2005
Matrix: Soil
% Solids: 87.05

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Hexachlorocyclopentadiene	BQL	0.703	1	10/10/2005
Hexachloroethane	BQL	0.352	1	10/10/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.352	1	10/10/2005
Isophorone	BQL	0.352	1	10/10/2005
2-Methylnaphthalene	BQL	0.352	1	10/10/2005
2-Methylphenol	BQL	0.352	1	10/10/2005
3- & 4-Methylphenol	BQL	0.352	1	10/10/2005
Naphthalene	BQL	0.352	1	10/10/2005
2-Nitroaniline	BQL	0.352	1	10/10/2005
3-Nitroaniline	BQL	1.76	1	10/10/2005
4-Nitroaniline	BQL	1.76	1	10/10/2005
Nitrobenzene	BQL	0.352	1	10/10/2005
2-Nitrophenol	BQL	0.352	1	10/10/2005
4-Nitrophenol	BQL	1.76	1	10/10/2005
N-Nitrosodi-n-propylamine	BQL	0.352	1	10/10/2005
Pentachlorophenol	BQL	1.76	1	10/10/2005
Phenanthrene	BQL	0.352	1	10/10/2005
Phenol	BQL	0.352	1	10/10/2005
Pyrene	BQL	0.352	1	10/10/2005
1,2,4-Trichlorobenzene	BQL	0.352	1	10/10/2005
2,4,5-Trichlorophenol	BQL	0.352	1	10/10/2005
2,4,6-Trichlorophenol	BQL	0.352	1	10/10/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.9	99
2-Fluorophenol	10	10	100
Nitrobenzene-d5	10	9.8	98
Phenol-d6	10	10	100
2,4,6-Tribromophenol	10	8.8	88
4-Terphenyl-d14	10	10	100

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: FNP

Results for Metals

Client Sample ID:	MS-18-1	Analyzed By:	PSW
Client Project ID:	Martin Site	Date Collected:	10/5/2005 16:25
Lab Sample ID:	G161-2182-12	Date Received:	10/6/2005
Lab Project ID:	G161-2182	Matrix:	SOIL
Batch ID:	3808 3802	Solids	94.87
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	**1.04**	0.958	1	MG/KG	6010B	10/12/2005
Barium	**105**	9.58	1	MG/KG	6010B	10/12/2005
Cadmium	BQL	0.958	1	MG/KG	6010B	10/12/2005
Chromium	**19.7**	0.958	1	MG/KG	6010B	10/12/2005
Lead	**6.50**	0.958	1	MG/KG	6010B	10/12/2005
Mercury	BQL	0.0185	1	MG/KG	7471	10/12/2005
Selenium	**2.13**	1.92	1	MG/KG	6010B	10/12/2005
Silver	BQL	0.958	1	MG/KG	6010B	10/12/2005

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

Reviewed By: PSW
MET_LIMS_3 3

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MS-18-1
Client Project ID: Martin Site
Lab Sample ID: G161-2182-12C
Lab Project ID: G161-2182
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 10/5/2005 16:25
Date Received: 10/6/2005
Date Extracted: 10/7/2005
Matrix: Soil
% Solids: 94.87

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	0.315	1	10/10/2005
Acenaphthylene	BQL	0.315	1	10/10/2005
Anthracene	BQL	0.315	1	10/10/2005
Benzo[a]anthracene	BQL	0.315	1	10/10/2005
Benzo[a]pyrene	BQL	0.315	1	10/10/2005
Benzo[b]fluoranthene	BQL	0.315	1	10/10/2005
Benzo[g,h,i]perylene	BQL	0.315	1	10/10/2005
Benzo[k]fluoranthene	BQL	0.315	1	10/10/2005
Benzoic Acid	BQL	0.631	1	10/10/2005
Bis(2-chloroethoxy)methane	BQL	0.315	1	10/10/2005
Bis(2-chloroethyl)ether	BQL	0.315	1	10/10/2005
Bis(2-chloroisopropyl)ether	BQL	0.315	1	10/10/2005
Bis(2-ethylhexyl)phthalate	BQL	0.315	1	10/10/2005
4-bromophenyl phenyl ether	BQL	0.315	1	10/10/2005
Butylbenzylphthalate	BQL	0.315	1	10/10/2005
2-Chloronaphthalene	BQL	0.315	1	10/10/2005
2-Chlorophenol	BQL	0.315	1	10/10/2005
4-Chloro-3-methylphenol	BQL	0.315	1	10/10/2005
4-Chloroaniline	BQL	1.58	1	10/10/2005
4-Chlorophenyl phenyl ether	BQL	0.315	1	10/10/2005
Chrysene	BQL	0.315	1	10/10/2005
Dibenzo[a,h]anthracene	BQL	0.315	1	10/10/2005
Dibenzofuran	BQL	0.315	1	10/10/2005
Di-n-Butylphthalate	BQL	0.315	1	10/10/2005
1,2-Dichlorobenzene	BQL	0.315	1	10/10/2005
1,3-Dichlorobenzene	BQL	0.315	1	10/10/2005
1,4-Dichlorobenzene	BQL	0.315	1	10/10/2005
3,3'-Dichlorobenzidine	BQL	0.631	1	10/10/2005
2,4-Dichlorophenol	BQL	0.315	1	10/10/2005
Diethylphthalate	BQL	0.315	1	10/10/2005
Dimethylphthalate	BQL	0.315	1	10/10/2005
2,4-Dimethylphenol	BQL	0.315	1	10/10/2005
Di-n-octylphthalate	BQL	0.315	1	10/10/2005
4,6-Dinitro-2-methylphenol	BQL	1.58	1	10/10/2005
2,4-Dinitrophenol	BQL	1.58	1	10/10/2005
2,4-Dinitrotoluene	BQL	0.315	1	10/10/2005
2,6-Dinitrotoluene	BQL	0.315	1	10/10/2005
Diphenylamine *	BQL	0.315	1	10/10/2005
Fluoranthene	BQL	0.315	1	10/10/2005
Fluorene	BQL	0.315	1	10/10/2005
Hexachlorobenzene	BQL	0.315	1	10/10/2005
Hexachlorobutadiene	BQL	0.315	1	10/10/2005

Results for Semivolatiles
by GCMS 8270

Client Sample ID: MS-18-1
Client Project ID: Martin Site
Lab Sample ID: G161-2182-12C
Lab Project ID: G161-2182
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 10/5/2005 16:25
Date Received: 10/6/2005
Date Extracted: 10/7/2005
Matrix: Soil
% Solids: 94.87

Compound	Result mg/Kg	Quantitation Limit mg/Kg	Dilution Factor	Date Analyzed
Hexachlorocyclopentadiene	BQL	0.631	1	10/10/2005
Hexachloroethane	BQL	0.315	1	10/10/2005
Indeno(1,2,3-c,d)pyrene	BQL	0.315	1	10/10/2005
Isophorone	BQL	0.315	1	10/10/2005
2-Methylnaphthalene	BQL	0.315	1	10/10/2005
2-Methylphenol	BQL	0.315	1	10/10/2005
3- & 4-Methylphenol	BQL	0.315	1	10/10/2005
Naphthalene	BQL	0.315	1	10/10/2005
2-Nitroaniline	BQL	0.315	1	10/10/2005
3-Nitroaniline	BQL	1.58	1	10/10/2005
4-Nitroaniline	BQL	1.58	1	10/10/2005
Nitrobenzene	BQL	0.315	1	10/10/2005
2-Nitrophenol	BQL	0.315	1	10/10/2005
4-Nitrophenol	BQL	1.58	1	10/10/2005
N-Nitrosodi-n-propylamine	BQL	0.315	1	10/10/2005
Pentachlorophenol	BQL	1.58	1	10/10/2005
Phenanthrene	BQL	0.315	1	10/10/2005
Phenol	BQL	0.315	1	10/10/2005
Pyrene	BQL	0.315	1	10/10/2005
1,2,4-Trichlorobenzene	BQL	0.315	1	10/10/2005
2,4,5-Trichlorophenol	BQL	0.315	1	10/10/2005
2,4,6-Trichlorophenol	BQL	0.315	1	10/10/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.9	109
2-Fluorophenol	10	10.6	105
Nitrobenzene-d5	10	10.7	107
Phenol-d6	10	10.6	106
2,4,6-Tribromophenol	10	9.6	96
4-Terphenyl-d14	10	11.5	115

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: MDUP-1
Client Project ID: Martin Site
Lab Sample ID: G161-2182-19D
Lab Project ID: G161-2182
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 10/4/05 0:00
Date Received: 10/6/05
Matrix: Soil
%Solids: NA

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	8.10	400	10/14/05
Benzene	BQL	0.324	400	10/14/05
Bromobenzene	BQL	0.324	400	10/14/05
Bromochloromethane	BQL	0.324	400	10/14/05
Bromodichloromethane	BQL	0.324	400	10/14/05
Bromoform	BQL	0.324	400	10/14/05
Bromomethane	BQL	0.324	400	10/14/05
2-Butanone	BQL	8.10	400	10/14/05
n-Butylbenzene	BQL	0.324	400	10/14/05
sec-Butylbenzene	BQL	0.324	400	10/14/05
tert-Butylbenzene	BQL	0.324	400	10/14/05
Carbon disulfide	BQL	0.324	400	10/14/05
Carbon tetrachloride	BQL	0.324	400	10/14/05
Chlorobenzene	BQL	0.324	400	10/14/05
Chloroethane	BQL	0.324	400	10/14/05
Chloroform	BQL	0.324	400	10/14/05
Chloromethane	BQL	0.324	400	10/14/05
2-Chlorotoluene	BQL	0.324	400	10/14/05
4-Chlorotoluene	BQL	0.324	400	10/14/05
Dibromochloromethane	BQL	0.324	400	10/14/05
1,2-Dibromo-3-chloropropane	BQL	1.62	400	10/14/05
Dibromomethane	BQL	0.324	400	10/14/05
1,2-Dibromoethane (EDB)	BQL	0.324	400	10/14/05
1,2-Dichlorobenzene	BQL	0.324	400	10/14/05
1,3-Dichlorobenzene	BQL	0.324	400	10/14/05
1,4-Dichlorobenzene	BQL	0.324	400	10/14/05
trans-1,4-Dichloro-2-butene	BQL	1.62	400	10/14/05
1,1-Dichloroethane	BQL	0.324	400	10/14/05
1,1-Dichloroethene	BQL	0.324	400	10/14/05
1,2-Dichloroethane	BQL	0.324	400	10/14/05
cis-1,2-Dichloroethene	BQL	0.324	400	10/14/05
trans-1,2-dichloroethene	BQL	0.324	400	10/14/05
1,2-Dichloropropane	BQL	0.324	400	10/14/05
1,3-Dichloropropane	BQL	0.324	400	10/14/05
2,2-Dichloropropane	BQL	0.324	400	10/14/05
1,1-Dichloropropene	BQL	0.324	400	10/14/05
cis-1,3-Dichloropropene	BQL	0.324	400	10/14/05
trans-1,3-Dichloropropene	BQL	0.324	400	10/14/05
Dichlorodifluoromethane	BQL	1.62	400	10/14/05
Diisopropyl ether (DIPE)	BQL	0.324	400	10/14/05
Ethylbenzene	**3.12**	0.324	400	10/14/05
Hexachlorobutadiene	BQL	0.324	400	10/14/05

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: MDUP-1
Client Project ID: Martin Site
Lab Sample ID: G161-2182-19D
Lab Project ID: G161-2182
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 10/4/05 0:00
Date Received: 10/6/05
Matrix: Soil
%Solids: NA

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	1.62	400	10/14/05
Iodomethane	BQL	0.324	400	10/14/05
Isopropylbenzene	**0.554**	0.324	400	10/14/05
4-Isopropyltoluene	BQL	0.324	400	10/14/05
Methylene chloride	BQL	1.62	400	10/14/05
4-Methyl-2-pentanone	BQL	1.62	400	10/14/05
Methyl-tert-butyl ether (MTBE)	BQL	0.324	400	10/14/05
Naphthalene	**4.05**	0.324	400	10/14/05
n-Propyl benzene	**2.20**	0.324	400	10/14/05
Styrene	BQL	0.324	400	10/14/05
1,1,1,2-Tetrachloroethane	BQL	0.324	400	10/14/05
1,1,2,2-Tetrachloroethane	BQL	0.324	400	10/14/05
Tetrachloroethene	BQL	0.324	400	10/14/05
Toluene	**2.40**	0.324	400	10/14/05
1,2,3-Trichlorobenzene	BQL	0.324	400	10/14/05
1,2,4-Trichlorobenzene	BQL	0.324	400	10/14/05
Trichloroethene	BQL	0.324	400	10/14/05
1,1,1-Trichloroethane	BQL	0.324	400	10/14/05
1,1,2-Trichloroethane	BQL	0.324	400	10/14/05
Trichlorofluoromethane	BQL	0.324	400	10/14/05
1,2,3-Trichloropropane	BQL	0.324	400	10/14/05
1,2,4-Trimethylbenzene	**16.1**	0.324	400	10/14/05
1,3,5-Trimethylbenzene	**5.07**	0.324	400	10/14/05
Vinyl chloride	BQL	0.324	400	10/14/05
m-,p-Xylene	**11.5**	0.648	400	10/14/05
o-Xylene	**5.06**	0.324	400	10/14/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	0.01	0.0104	104
1,2-Dichloroethane-d4	0.01	0.01	100
Toluene-d8	0.01	0.01	100

Comments:
NA = Not Applicable. Results reported on wet weight basis.
Flags:
BQL = Below Quantitation Limits.

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# 50727

Page 1 of 2

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

Project ID: Martin Site
Contact: Jason Ricks
Phone: 336-856-7150
Fax: 336-856-7160

Date: 10/5/05
Turnaround: Standard
Job Number: 6-9506
P.O. Number:

Report To: jricks@ecslimited.com
Invoice To: ECS

Sample ID	Date	Time	Matrix	Preservatives: Sodium Bisulfate	Preservatives: Methanol			Analyses: 8260/8235	8270 BN	total RCRA		MADEP EPH/VPH		8260				Comments: Please specify any special reporting requirements
																		616-2182 City of Greensboro Project
MS-1	10/4/05	1157	Soil						✓	✓								
~~MS-1~~	~~10/4/05~~	~~1047~~	~~Soil~~					~~MRB~~ ~~✓~~						✓				will resample
MS-12-1	10/4/05	124	Soil							✓								
MS-13-1	10/4/05	129	Soil							✓								
MS-15-2	10/4/05	150	Soil							✓								
MS 15-5	10/4/05	151	Soil	✓	✓			✓	✓			✓						
MS-15-10	10/4/05	157	Soil	✓	✓			✓	✓			✓						
MS-16-1 MRB	10/5/05	4:18	Soil							✓								
MS-16-5	10/4/05	245	Soil	✓	✓			MRB ✓	✓					✓				
MS-17-2	10/4/05	327	Soil							✓								

Relinquished By	Date	Time	Received By	Date	Time	Temperature
Matthew Brown	10/5/05	1800	Fedex			
			Jason Johnson	10/6/05	1030	0.2°C, 3.4°C

State Certification Requested: NC ✓ 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# 50721

Page 2 **of** 2

Client: ECS
Address: 6909 International Dr Suite 163
Address: Greensboro, NC 27409
Quote #: 1842

Project ID: Martin Site
Contact: Jason Ricks
Phone: 336-856-7150
Fax: 336-856-7160

Date: 10/5/05
Turnaround: Standard
Job Number: G-9506
P.O. Number:

Report To: JRicks@esslimited.com
Invoice To: ECS

Sample ID	Date	Time	Matrix	Preservatives: HCL	Preservatives: HNO3			Analyses: 8270	Total RCRA metals	8260/5035	MADEP EPH/VPH	601/602	504.1	625 BN +10 TICS	601/602			Comments: Please specify any special reporting requirements
																		G161-2182
MS-17-5	10/4/05	330	Soil					✓		✓								City of
MS-18-1	10/5/05	425	Soil					✓	✓									
																		Greensboro
WMS-1	10/5/05	1170	water	✓	✓				✓		✓	✓	✓	✓				
WMS-2	10/5/05	1236	Water	✓	✓				✓		✓	✓	✓	✓				EPH/VPH and SOM01 required per Jason Ricks 10/6/05
WMS-3	10/5/05	235	Water	✓	✓				✓		✓	✓	✓	✓				project
MS DUP-2	10/5/05	—	W	✓											✓			added per Jason Ricks 10/6/05
MS DUP-1	10/4/05	—	S							✓								report wet weight per Jason Ricks 10/6/05

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
[signature]	10/5/05	1800	Fedex				NC (+) SC ____ Other ____
			[signature]	10/6/05	1030	3.4°C, 0.2°C	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# 50734

Page 1 of 1

9 of 9

Client: ECS Ltd.
Address: 6909 International Dr. Suite 105
Address: Greensboro, NC 27409
Quote #: 1842

Project ID: Martin Site
Contact: Jason Ricks
Phone: 336-856-7150
Fax: 336-856-7160

Date: 10/13/05
Turnaround: Stnd.
Job Number: G-9506
P.O. Number:

Report To: Jricks@ecslimited.com
Invoice To: ECS

Sample ID	Date	Time	Matrix	Preservatives				Analyses: 8260										Comments: Please specify any special reporting requirements
RMS-1	10/13/05	1230	Soil					✓										City of Greensboro Project G161-2201

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
[signature]	10/13/05	1600	Fedex				NC ___ SC ___ Other ___
			[signature]	10/14/05	1000	0.2°C	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# 52368

Client: ECS
Address:
Address: Greensboro
Quote #: 1842

Project ID: Martin Site
Contact: Jason Richo
Phone:
Fax:

Date:
Turnaround:
Job Number: G-95026
P.O. Number:

Report To: Jason Richo
Invoice To:

Sample ID	Date	Time	Matrix	Preservatives				Analyses: F NP										Comments: Please specify any special reporting requirements
MS-16-1	10/5/05	4:18	S					✓										City of G-boro site G161-2236 Reloq from original project G161-2182 per J. Richo 11/8/05 see email

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
			Originally received by J. Johnson	10/6/05	10:30	0.2°C 342	NC X SC ____ Other ____
							SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

Results for Metals

Client Sample ID:	WMS-1	Analyzed By:	PSW
Client Project ID:	Martin Site	Date Collected:	10/5/2005 11:40
Lab Sample ID:	G161-2182-13	Date Received:	10/6/2005
Lab Project ID:	G161-2182	Matrix:	WATER
Batch ID:	3801 3797		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	BQL	0.0100	1	MG/L	6010B	10/12/2005
Barium	**0.488**	0.100	1	MG/L	6010B	10/12/2005
Cadmium	BQL	0.0100	1	MG/L	6010B	10/12/2005
Chromium	**0.0190**	0.0100	1	MG/L	6010B	10/12/2005
Lead	**0.0102**	0.0100	1	MG/L	6010B	10/12/2005
Mercury	BQL	0.000250	1	MG/L	7470	10/11/2005
Selenium	BQL	0.0200	1	MG/L	6010B	10/12/2005
Silver	BQL	0.0100	1	MG/L	6010B	10/12/2005

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

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	WMS-1
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	10/05/05
Date Received	10/06/05
Date Extracted	10/07/05
Date Analyzed	10/07/05
Dry Weight	
Dilution Factor	1
C_5-C_8 Aliphatics**	31000 (µg/L)
C_9-C_{12} Aliphatics**	3200 (µg/L)
C_9-C_{10} Aromatics**	2600 (µg/L)
Surrogate % Recovery - PID	220***
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.

***= High surrogate recovery due to matrix interference

Lab Info: g161-2182-13e

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	WMS-1
Sample Matrix	Water
Date Collected	10/05/05
Date Received	10/06/05
Date Extracted	10/07/05
Date Analyzed	10/14/05
Dry Weight	
Dilution Factor	1:1
C_9-C_{18} Aliphatics*	< 100 (ug/L)
C_{19}-C_{36} Aliphatics*	< 100 (ug/L)
C_{11}-C_{22} Aromatics*	240 (ug/L)
Aliphatic Surrogate % Recovery	50
Aromatic Surrogate % Recovery	76
Fractionation Surrogate 1 % Recovery	110

Comments:

* = Excludes any surrogates or internal standards.

Lab info: G161-2182-13M

Reviewed By: RW

Results for Volatiles
by GC 601

Client Sample ID: WMS-1
Client Project ID: Martin Site
Lab Sample ID: G161-2182-13A
Lab Project ID: G161-2182

Analyzed By: MJC
Date Collected: 10/5/2005 11:40
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	16.0	16	10/11/2005
Bromoform	BQL	32.0	16	10/11/2005
Bromomethane	BQL	16.0	16	10/11/2005
Carbon tetrachloride	BQL	16.0	16	10/11/2005
Chlorobenzene	BQL	16.0	16	10/11/2005
Chloroethane	BQL	16.0	16	10/11/2005
Chloroform	BQL	16.0	16	10/11/2005
Chloromethane	BQL	16.0	16	10/11/2005
Dibromochloromethane	BQL	16.0	16	10/11/2005
1,2-Dibromoethane (EDB)	BQL	16.0	16	10/11/2005
1,2-Dichlorobenzene	BQL	16.0	16	10/11/2005
1,3-Dichlorobenzene	BQL	16.0	16	10/11/2005
1,4-Dichlorobenzene	BQL	16.0	16	10/11/2005
1,1-Dichloroethane	BQL	16.0	16	10/11/2005
1,2-Dichloroethane	**25.7**	16.0	16	10/11/2005
1,1-Dichloroethene	BQL	16.0	16	10/11/2005
cis-1,2-Dichloroethene	BQL	16.0	16	10/11/2005
trans-1,2-Dichloroethene	BQL	16.0	16	10/11/2005
1,2-Dichloropropane	BQL	16.0	16	10/11/2005
cis-1,3-Dichloropropene	BQL	16.0	16	10/11/2005
trans-1,3-Dichloropropene	BQL	16.0	16	10/11/2005
Methylene Chloride	BQL	80.0	16	10/11/2005
1,1,2,2-Tetrachloroethane	BQL	16.0	16	10/11/2005
Tetrachloroethene	BQL	16.0	16	10/11/2005
1,1,1-Trichloroethane	BQL	16.0	16	10/11/2005
1,1,2-Trichloroethane	BQL	16.0	16	10/11/2005
Trichloroethene	BQL	16.0	16	10/11/2005
Trichlorofluoromethane	BQL	16.0	16	10/11/2005
Vinyl Chloride	BQL	16.0	16	10/11/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.0	99.9

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: WMS-1
Client Project ID: Martin Site
Lab Sample ID: G161-2182-13A
Lab Project ID: G161-2182

Analyzed By: MJC
Date Collected: 10/5/2005 11:40
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	**5630**	800	800	10/10/2005
Diisopropyl ether (DIPE)	BQL	800	800	10/10/2005
Ethylbenzene	BQL	800	800	10/10/2005
Methyl-tert butyl ether (MTBE)	**3420**	1600	800	10/10/2005
Toluene	**3540**	800	800	10/10/2005
m/p-Xylene	BQL	1600	800	10/10/2005
o-Xylene	BQL	1600	800	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.4	98.5

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

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: WMS-1
Client Project ID: Martin Site
Lab Sample ID: G161-2182-13L
Lab Project ID: G161-2182

Analyzed By: MRC
Date Collected: 10/5/2005 11:40
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	10/8/2005
Acenaphthylene	BQL	10.0	1	10/8/2005
Anthracene	BQL	10.0	1	10/8/2005
Benzo[a]anthracene	BQL	10.0	1	10/8/2005
Benzo[a]pyrene	BQL	10.0	1	10/8/2005
Benzo[b]fluoranthene	BQL	10.0	1	10/8/2005
Benzo[g,h,i]perylene	BQL	10.0	1	10/8/2005
Benzo[k]fluoranthene	BQL	10.0	1	10/8/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	10/8/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	10/8/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	10/8/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	10/8/2005
4-bromophenyl phenyl ether	BQL	10.0	1	10/8/2005
Butylbenzylphthalate	BQL	10.0	1	10/8/2005
2-Chloronaphthalene	BQL	10.0	1	10/8/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	10/8/2005
Chrysene	BQL	10.0	1	10/8/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	10/8/2005
Di-n-Butylphthalate	BQL	10.0	1	10/8/2005
1,2-Dichlorobenzene	BQL	10.0	1	10/8/2005
1,3-Dichlorobenzene	BQL	10.0	1	10/8/2005
1,4-Dichlorobenzene	BQL	10.0	1	10/8/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	10/8/2005
Diethylphthalate	BQL	10.0	1	10/8/2005
Dimethylphthalate	BQL	10.0	1	10/8/2005
Di-n-octylphthalate	BQL	10.0	1	10/8/2005
2,4-Dinitrotoluene	BQL	10.0	1	10/8/2005
2,6-Dinitrotoluene	BQL	10.0	1	10/8/2005
Diphenylamine *	BQL	10.0	1	10/8/2005
Fluoranthene	BQL	10.0	1	10/8/2005
Fluorene	BQL	10.0	1	10/8/2005
Hexachlorobenzene	BQL	10.0	1	10/8/2005
Hexachlorobutadiene	BQL	10.0	1	10/8/2005
Hexachlorocyclopentadiene	BQL	20.0	1	10/8/2005
Hexachloroethane	BQL	10.0	1	10/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	10/8/2005
Isophorone	BQL	10.0	1	10/8/2005
Naphthalene	**211**	10.0	1	10/8/2005
Nitrobenzene	BQL	10.0	1	10/8/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	10/8/2005
Phenanthrene	BQL	10.0	1	10/8/2005
Pyrene	BQL	10.0	1	10/8/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: WMS-1
Client Project ID: Martin Site
Lab Sample ID: G161-2182-13L
Lab Project ID: G161-2182

Analyzed By: MRC
Date Collected: 10/5/2005 11:40
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	10/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
Nitrobenzene-d5	10	8.7	87
4-Terphenyl-d14	10	9.9	99

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: PNV

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: WMS-1
Client Project ID: Martin Site
Lab Sample ID: G161-2182-13L
Lab Project ID: G161-2182
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 10/5/2005 11:40
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Date Analyzed: 10/8/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Dimethylbenzene, Isomer of	6.08			483
2	Trimethylbenzene, Isomer of	7.36			261
3	Dimethylbenzene, Isomer of	5.65			200
4	Ethylmethylbenzene, Isomer of	7.17			122
5	Ethylmethylbenzene, Isomer of	6.94			117
6	Aromatic, Unknown	7.88			114
7	Ethylmethylbenzene, Isomer of	7.69			96.3
8	Ethylmethylbenzene, Isomer of	6.99			61.1
9	Ethenyldimethylbenzene, Isomer of	9.15			53.8
10	Alcohol, Unknown	4.76			47.4

Comment:

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

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

Reviewed by: _____

Results for Organics
by EPA 504

Client Sample ID: WMS-1
Client Project ID: Martin Site
Lab Sample ID: G161-2182-13P
Lab Project ID: G161-2182

Analyzed By: CLP
Date Collected: 10/5/2005 11:40
Date Received: 10/6/2005 10:30
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0.0186	1	10/12/2005

Reviewed By: _____

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Results for Metals

Client Sample ID:	WMS-2	Analyzed By:	PSW
Client Project ID:	Martin Site	Date Collected:	10/5/2005 12:36
Lab Sample ID:	G161-2182-14	Date Received:	10/6/2005
Lab Project ID:	G161-2182	Matrix:	WATER
Batch ID:	3801 3797		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	BQL	0.0100	1	MG/L	6010B	10/12/2005
Barium	**0.135**	0.100	1	MG/L	6010B	10/12/2005
Cadmium	BQL	0.0100	1	MG/L	6010B	10/12/2005
Chromium	BQL	0.0100	1	MG/L	6010B	10/12/2005
Lead	**0.0204**	0.0100	1	MG/L	6010B	10/12/2005
Mercury	BQL	0.000250	1	MG/L	7470	10/11/2005
Selenium	BQL	0.0200	1	MG/L	6010B	10/12/2005
Silver	BQL	0.0100	1	MG/L	6010B	10/12/2005

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 Volatiles
by GC 601

Client Sample ID: WMS-2
Client Project ID: Martin Site
Lab Sample ID: G161-2182-14A
Lab Project ID: G161-2182

Analyzed By: MJC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	10/10/2005
Bromoform	BQL	2.00	1	10/10/2005
Bromomethane	BQL	1.00	1	10/10/2005
Carbon tetrachloride	BQL	1.00	1	10/10/2005
Chlorobenzene	BQL	1.00	1	10/10/2005
Chloroethane	BQL	1.00	1	10/10/2005
Chloroform	BQL	1.00	1	10/10/2005
Chloromethane	BQL	1.00	1	10/10/2005
Dibromochloromethane	BQL	1.00	1	10/10/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	10/10/2005
1,2-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,3-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,4-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,1-Dichloroethane	BQL	1.00	1	10/10/2005
1,2-Dichloroethane	BQL	1.00	1	10/10/2005
1,1-Dichloroethene	BQL	1.00	1	10/10/2005
cis-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
trans-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
1,2-Dichloropropane	BQL	1.00	1	10/10/2005
cis-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
trans-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
Methylene Chloride	BQL	5.00	1	10/10/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	10/10/2005
Tetrachloroethene	BQL	1.00	1	10/10/2005
1,1,1-Trichloroethane	BQL	1.00	1	10/10/2005
1,1,2-Trichloroethane	BQL	1.00	1	10/10/2005
Trichloroethene	BQL	1.00	1	10/10/2005
Trichlorofluoromethane	BQL	1.00	1	10/10/2005
Vinyl Chloride	BQL	1.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	42.2	106

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: WMS-2
Client Project ID: Martin Site
Lab Sample ID: G161-2182-14A
Lab Project ID: G161-2182

Analyzed By: MJC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	10/10/2005
Diisopropyl ether (DIPE)	**1.18**	1.00	1	10/10/2005
Ethylbenzene	BQL	1.00	1	10/10/2005
Methyl-tert butyl ether (MTBE)	**11.6**	2.00	1	10/10/2005
Toluene	BQL	1.00	1	10/10/2005
m/p-Xylene	BQL	2.00	1	10/10/2005
o-Xylene	BQL	2.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.1	100

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

Reviewed By: _____

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: WMS-2
Client Project ID: Martin Site
Lab Sample ID: G161-2182-14K
Lab Project ID: G161-2182

Analyzed By: MRC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	10/8/2005
Acenaphthylene	BQL	10.0	1	10/8/2005
Anthracene	BQL	10.0	1	10/8/2005
Benzo[a]anthracene	BQL	10.0	1	10/8/2005
Benzo[a]pyrene	BQL	10.0	1	10/8/2005
Benzo[b]fluoranthene	BQL	10.0	1	10/8/2005
Benzo[g,h,i]perylene	BQL	10.0	1	10/8/2005
Benzo[k]fluoranthene	BQL	10.0	1	10/8/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	10/8/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	10/8/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	10/8/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	10/8/2005
4-bromophenyl phenyl ether	BQL	10.0	1	10/8/2005
Butylbenzylphthalate	BQL	10.0	1	10/8/2005
2-Chloronaphthalene	BQL	10.0	1	10/8/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	10/8/2005
Chrysene	BQL	10.0	1	10/8/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	10/8/2005
Di-n-Butylphthalate	BQL	10.0	1	10/8/2005
1,2-Dichlorobenzene	BQL	10.0	1	10/8/2005
1,3-Dichlorobenzene	BQL	10.0	1	10/8/2005
1,4-Dichlorobenzene	BQL	10.0	1	10/8/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	10/8/2005
Diethylphthalate	BQL	10.0	1	10/8/2005
Dimethylphthalate	BQL	10.0	1	10/8/2005
Di-n-octylphthalate	BQL	10.0	1	10/8/2005
2,4-Dinitrotoluene	BQL	10.0	1	10/8/2005
2,6-Dinitrotoluene	BQL	10.0	1	10/8/2005
Diphenylamine *	BQL	10.0	1	10/8/2005
Fluoranthene	BQL	10.0	1	10/8/2005
Fluorene	BQL	10.0	1	10/8/2005
Hexachlorobenzene	BQL	10.0	1	10/8/2005
Hexachlorobutadiene	BQL	10.0	1	10/8/2005
Hexachlorocyclopentadiene	BQL	20.0	1	10/8/2005
Hexachloroethane	BQL	10.0	1	10/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	10/8/2005
Isophorone	BQL	10.0	1	10/8/2005
Naphthalene	BQL	10.0	1	10/8/2005
Nitrobenzene	BQL	10.0	1	10/8/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	10/8/2005
Phenanthrene	BQL	10.0	1	10/8/2005
Pyrene	BQL	10.0	1	10/8/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: WMS-2
Client Project ID: Martin Site
Lab Sample ID: G161-2182-14K
Lab Project ID: G161-2182

Analyzed By: MRC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	10/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8	80
Nitrobenzene-d5	10	7.6	76
4-Terphenyl-d14	10	9.3	93

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: WMS-2
Client Project ID: Martin Site
Lab Sample ID: G161-2182-14K
Lab Project ID: G161-2182
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Date Analyzed: 10/8/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	No library search compounds detected.				
2					
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 Metals

Client Sample ID:	WMS-3	Analyzed By:	PSW
Client Project ID:	Martin Site	Date Collected:	10/5/2005 14:35
Lab Sample ID:	G161-2182-15	Date Received:	10/6/2005
Lab Project ID:	G161-2182	Matrix:	WATER
Batch ID:	3801 3797		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	BQL	0.0100	1	MG/L	6010B	10/12/2005
Barium	BQL	0.100	1	MG/L	6010B	10/12/2005
Cadmium	BQL	0.0100	1	MG/L	6010B	10/12/2005
Chromium	BQL	0.0100	1	MG/L	6010B	10/12/2005
Lead	**0.0235**	0.0100	1	MG/L	6010B	10/12/2005
Mercury	BQL	0.000250	1	MG/L	7470	10/11/2005
Selenium	BQL	0.0200	1	MG/L	6010B	10/12/2005
Silver	BQL	0.0100	1	MG/L	6010B	10/12/2005

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 Volatiles
by GC 601

Client Sample ID: WMS-3
Client Project ID: Martin Site
Lab Sample ID: G161-2182-15A
Lab Project ID: G161-2182

Analyzed By: MJC
Date Collected: 10/5/2005 14:35
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	10/10/2005
Bromoform	BQL	2.00	1	10/10/2005
Bromomethane	BQL	1.00	1	10/10/2005
Carbon tetrachloride	BQL	1.00	1	10/10/2005
Chlorobenzene	BQL	1.00	1	10/10/2005
Chloroethane	BQL	1.00	1	10/10/2005
Chloroform	BQL	1.00	1	10/10/2005
Chloromethane	BQL	1.00	1	10/10/2005
Dibromochloromethane	BQL	1.00	1	10/10/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	10/10/2005
1,2-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,3-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,4-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,1-Dichloroethane	BQL	1.00	1	10/10/2005
1,2-Dichloroethane	BQL	1.00	1	10/10/2005
1,1-Dichloroethene	BQL	1.00	1	10/10/2005
cis-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
trans-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
1,2-Dichloropropane	BQL	1.00	1	10/10/2005
cis-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
trans-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
Methylene Chloride	BQL	5.00	1	10/10/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	10/10/2005
Tetrachloroethene	BQL	1.00	1	10/10/2005
1,1,1-Trichloroethane	BQL	1.00	1	10/10/2005
1,1,2-Trichloroethane	BQL	1.00	1	10/10/2005
Trichloroethene	BQL	1.00	1	10/10/2005
Trichlorofluoromethane	BQL	1.00	1	10/10/2005
Vinyl Chloride	BQL	1.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.9	102

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: WMS-3
Client Project ID: Martin Site
Lab Sample ID: G161-2182-15A
Lab Project ID: G161-2182

Analyzed By: MJC
Date Collected: 10/5/2005 14:35
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	10/10/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	10/10/2005
Ethylbenzene	BQL	1.00	1	10/10/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	10/10/2005
Toluene	BQL	1.00	1	10/10/2005
m/p-Xylene	BQL	2.00	1	10/10/2005
o-Xylene	BQL	2.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.3	101

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

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	WMS-3
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	10/05/05
Date Received	10/06/05
Date Extracted	10/07/05
Date Analyzed	10/07/05
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	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: g161-2182-15e

Reviewed By: RNP

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	WMS-3
Sample Matrix	Water
Date Collected	10/05/05
Date Received	10/06/05
Date Extracted	10/07/05
Date Analyzed	10/14/05
Dry Weight	
Dilution Factor	1:1
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	38
Aromatic Surrogate % Recovery	50
Fractionation Surrogate 1 % Recovery	78

Comments:

* = Excludes any surrogates or internal standards.
Re-analysis in progress in order to confirm low surrogates.

Lab Info: G161-2182-15M

Reviewed By: RNV

Results for Organics
by EPA 504

Client Sample ID: WMS-3
Client Project ID: Martin Site
Lab Sample ID: G161-2182-15P
Lab Project ID: G161-2182

Analyzed By: CLP
Date Collected: 10/5/2005 14:35
Date Received: 10/6/2005 10:30
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0.0191	1	10/12/2005

Reviewed By: _____

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Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: WMS-3
Client Project ID: Martin Site
Lab Sample ID: G161-2182-15L
Lab Project ID: G161-2182

Analyzed By: MRC
Date Collected: 10/5/2005 14:35
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	10/8/2005
Acenaphthylene	BQL	10.0	1	10/8/2005
Anthracene	BQL	10.0	1	10/8/2005
Benzo[a]anthracene	BQL	10.0	1	10/8/2005
Benzo[a]pyrene	BQL	10.0	1	10/8/2005
Benzo[b]fluoranthene	BQL	10.0	1	10/8/2005
Benzo[g,h,i]perylene	BQL	10.0	1	10/8/2005
Benzo[k]fluoranthene	BQL	10.0	1	10/8/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	10/8/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	10/8/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	10/8/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	10/8/2005
4-bromophenyl phenyl ether	BQL	10.0	1	10/8/2005
Butylbenzylphthalate	BQL	10.0	1	10/8/2005
2-Chloronaphthalene	BQL	10.0	1	10/8/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	10/8/2005
Chrysene	BQL	10.0	1	10/8/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	10/8/2005
Di-n-Butylphthalate	BQL	10.0	1	10/8/2005
1,2-Dichlorobenzene	BQL	10.0	1	10/8/2005
1,3-Dichlorobenzene	BQL	10.0	1	10/8/2005
1,4-Dichlorobenzene	BQL	10.0	1	10/8/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	10/8/2005
Diethylphthalate	BQL	10.0	1	10/8/2005
Dimethylphthalate	BQL	10.0	1	10/8/2005
Di-n-octylphthalate	BQL	10.0	1	10/8/2005
2,4-Dinitrotoluene	BQL	10.0	1	10/8/2005
2,6-Dinitrotoluene	BQL	10.0	1	10/8/2005
Diphenylamine *	BQL	10.0	1	10/8/2005
Fluoranthene	BQL	10.0	1	10/8/2005
Fluorene	BQL	10.0	1	10/8/2005
Hexachlorobenzene	BQL	10.0	1	10/8/2005
Hexachlorobutadiene	BQL	10.0	1	10/8/2005
Hexachlorocyclopentadiene	BQL	20.0	1	10/8/2005
Hexachloroethane	BQL	10.0	1	10/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	10/8/2005
Isophorone	BQL	10.0	1	10/8/2005
Naphthalene	BQL	10.0	1	10/8/2005
Nitrobenzene	BQL	10.0	1	10/8/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	10/8/2005
Phenanthrene	BQL	10.0	1	10/8/2005
Pyrene	BQL	10.0	1	10/8/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: WMS-3
Client Project ID: Martin Site
Lab Sample ID: G161-2182-15L
Lab Project ID: G161-2182

Analyzed By: MRC
Date Collected: 10/5/2005 14:35
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	10/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.6	76
Nitrobenzene-d5	10	6.6	66
4-Terphenyl-d14	10	7.8	78

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: WMS-3
Client Project ID: Martin Site
Lab Sample ID: G161-2182-15L
Lab Project ID: G161-2182
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 10/5/2005 14:35
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Date Analyzed: 10/8/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	No library search compounds detected.				
2					
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 Volatiles
by GC 601

Client Sample ID: MSDUP-2
Client Project ID: Martin Site
Lab Sample ID: G161-2182-18A
Lab Project ID: G161-2182

Analyzed By: MJC
Date Collected: 10/5/2005 0:00
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	32.0	32	10/11/2005
Bromoform	BQL	64.0	32	10/11/2005
Bromomethane	BQL	32.0	32	10/11/2005
Carbon tetrachloride	BQL	32.0	32	10/11/2005
Chlorobenzene	BQL	32.0	32	10/11/2005
Chloroethane	BQL	32.0	32	10/11/2005
Chloroform	BQL	32.0	32	10/11/2005
Chloromethane	BQL	32.0	32	10/11/2005
Dibromochloromethane	BQL	32.0	32	10/11/2005
1,2-Dibromoethane (EDB)	BQL	32.0	32	10/11/2005
1,2-Dichlorobenzene	BQL	32.0	32	10/11/2005
1,3-Dichlorobenzene	BQL	32.0	32	10/11/2005
1,4-Dichlorobenzene	BQL	32.0	32	10/11/2005
1,1-Dichloroethane	BQL	32.0	32	10/11/2005
1,2-Dichloroethane	BQL	32.0	32	10/11/2005
1,1-Dichloroethene	BQL	32.0	32	10/11/2005
cis-1,2-Dichloroethene	BQL	32.0	32	10/11/2005
trans-1,2-Dichloroethene	BQL	32.0	32	10/11/2005
1,2-Dichloropropane	BQL	32.0	32	10/11/2005
cis-1,3-Dichloropropene	BQL	32.0	32	10/11/2005
trans-1,3-Dichloropropene	BQL	32.0	32	10/11/2005
Methylene Chloride	BQL	160	32	10/11/2005
1,1,2,2-Tetrachloroethane	BQL	32.0	32	10/11/2005
Tetrachloroethene	BQL	32.0	32	10/11/2005
1,1,1-Trichloroethane	BQL	32.0	32	10/11/2005
1,1,2-Trichloroethane	BQL	32.0	32	10/11/2005
Trichloroethene	BQL	32.0	32	10/11/2005
Trichlorofluoromethane	BQL	32.0	32	10/11/2005
Vinyl Chloride	BQL	32.0	32	10/11/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	42.0	105

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: MSDUP-2
Client Project ID: Martin Site
Lab Sample ID: G161-2182-18A
Lab Project ID: G161-2182

Analyzed By: MJC
Date Collected: 10/5/2005 0:00
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	**4650**	1600	1600	10/10/2005
Diisopropyl ether (DIPE)	BQL	1600	1600	10/10/2005
Ethylbenzene	BQL	1600	1600	10/10/2005
Methyl-tert butyl ether (MTBE)	BQL	3200	1600	10/10/2005
Toluene	**2820**	1600	1600	10/10/2005
m/p-Xylene	BQL	3200	1600	10/10/2005
o-Xylene	BQL	3200	1600	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.4

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

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK1101905B
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	10/19/05
Benzene	BQL	5.00	1	10/19/05
Bromobenzene	BQL	5.00	1	10/19/05
Bromochloromethane	BQL	5.00	1	10/19/05
Bromodichloromethane	BQL	5.00	1	10/19/05
Bromoform	BQL	5.00	1	10/19/05
Bromomethane	BQL	5.00	1	10/19/05
2-Butanone	BQL	25.0	1	10/19/05
n-Butylbenzene	BQL	5.00	1	10/19/05
sec-Butylbenzene	BQL	5.00	1	10/19/05
tert-Butylbenzene	BQL	5.00	1	10/19/05
Carbon disulfide	BQL	5.00	1	10/19/05
Carbon tetrachloride	BQL	5.00	1	10/19/05
Chlorobenzene	BQL	5.00	1	10/19/05
Chloroethane	BQL	5.00	1	10/19/05
Chloroform	BQL	5.00	1	10/19/05
Chloromethane	BQL	5.00	1	10/19/05
2-Chlorotoluene	BQL	5.00	1	10/19/05
4-Chlorotoluene	BQL	5.00	1	10/19/05
Dibromochloromethane	BQL	5.00	1	10/19/05
1,2-Dibromo-3-chloropropane	BQL	5.00	1	10/19/05
Dibromomethane	BQL	5.00	1	10/19/05
1,2-Dibromoethane (EDB)	BQL	5.00	1	10/19/05
1,2-Dichlorobenzene	BQL	5.00	1	10/19/05
1,3-Dichlorobenzene	BQL	5.00	1	10/19/05
1,4-Dichlorobenzene	BQL	5.00	1	10/19/05
trans-1,4-Dichloro-2-butene	BQL	5.00	1	10/19/05
1,1-Dichloroethane	BQL	5.00	1	10/19/05
1,1-Dichloroethene	BQL	5.00	1	10/19/05
1,2-Dichloroethane	BQL	5.00	1	10/19/05
cis-1,2-Dichloroethene	BQL	5.00	1	10/19/05
trans-1,2-dichloroethene	BQL	5.00	1	10/19/05
1,2-Dichloropropane	BQL	5.00	1	10/19/05
1,3-Dichloropropane	BQL	5.00	1	10/19/05
2,2-Dichloropropane	BQL	5.00	1	10/19/05
1,1-Dichloropropene	BQL	5.00	1	10/19/05
cis-1,3-Dichloropropene	BQL	5.00	1	10/19/05
trans-1,3-Dichloropropene	BQL	5.00	1	10/19/05
Dichlorodifluoromethane	BQL	5.00	1	10/19/05
Diisopropyl ether (DIPE)	BQL	5.00	1	10/19/05
Ethylbenzene	BQL	5.00	1	10/19/05
Hexachlorobutadiene	BQL	5.00	1	10/19/05

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK1101905B
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	10/19/05
Iodomethane	BQL	5.00	1	10/19/05
Isopropylbenzene	BQL	5.00	1	10/19/05
4-Isopropyltoluene	BQL	5.00	1	10/19/05
Methylene chloride	BQL	20.0	1	10/19/05
4-Methyl-2-pentanone	BQL	5.00	1	10/19/05
Methyl-tert-butyl ether (MTBE)	BQL	5.00	1	10/19/05
Naphthalene	BQL	5.00	1	10/19/05
n-Propyl benzene	BQL	5.00	1	10/19/05
Styrene	BQL	5.00	1	10/19/05
1,1,1,2-Tetrachloroethane	BQL	5.00	1	10/19/05
1,1,2,2-Tetrachloroethane	BQL	5.00	1	10/19/05
Tetrachloroethene	BQL	5.00	1	10/19/05
Toluene	BQL	5.00	1	10/19/05
1,2,3-Trichlorobenzene	BQL	5.00	1	10/19/05
1,2,4-Trichlorobenzene	BQL	5.00	1	10/19/05
Trichloroethene	BQL	5.00	1	10/19/05
1,1,1-Trichloroethane	BQL	5.00	1	10/19/05
1,1,2-Trichloroethane	BQL	5.00	1	10/19/05
Trichlorofluoromethane	BQL	5.00	1	10/19/05
1,2,3-Trichloropropane	BQL	5.00	1	10/19/05
1,2,4-Trimethylbenzene	BQL	5.00	1	10/19/05
1,3,5-Trimethylbenzene	BQL	5.00	1	10/19/05
Vinyl chloride	BQL	5.00	1	10/19/05
m-,p-Xylene	BQL	10.0	1	10/19/05
o-Xylene	BQL	5.00	1	10/19/05

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	50	100
1,2-Dichloroethane-d4	50	55.5	111
Toluene-d8	50	49.6	99

Comments:

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

Reviewed By: _____

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	PSW
Client Project ID:		Date Collected:	
Lab Sample ID:	pb4008	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	4008		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Lead	BQL	0 0100	1	MG/L	6010B	11/15/2005

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

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 09/13/05

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	3.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	3.8	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	7.9	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 10/14/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	2.5
C_{19}-C_{36} Aliphatics	160	-0.7
C_{11}-C_{22} Aromatics	340	-3.4

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

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 09/13/05

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	3.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	3.8	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	7.9	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 10/10/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	-4.8
C_{19}-C_{36} Aliphatics	160	-17.5
C_{11}-C_{22} Aromatics	340	-10.6

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

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 09/13/05

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	3.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	3.8	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	7.9	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 10/14/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	2.5
C_{19}-C_{36} Aliphatics	160	-0.7
C_{11}-C_{22} Aromatics	340	-3.4

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

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 09/13/05

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	3.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	3.8	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	7.9	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 10/17/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	-7.1
C_{19}-C_{36} Aliphatics	160	-11.2
C_{11}-C_{22} Aromatics	340	-10.0

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: 09/27/05 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	19.9	Calibration Factor
	1000		
	2000		
	3000		
	4000		
C_9-C_{12} Aliphatics	10	0.99	Linear Regression
	250		
	500		
	750		
	1000		
C_9-C_{10} Aromatics	10	19.50	Calibration Factor
	250		
	500		
	750		
	1000		

Calibration Check Date: 10/11/05

Calibration Check

Range	Levels (µg/L)	(mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	1.2
C_9-C_{12} Aliphatics	500	50	-11.9
C_9-C_{10} Aromatics	500	50	-13.6

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

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 09/27/05 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	19.9	Calibration Factor
	1000		
	2000		
	3000		
	4000		
C_9-C_{12} Aliphatics	10	0.99	Linear Regression
	250		
	500		
	750		
	1000		
C_9-C_{10} Aromatics	10	19.50	Calibration Factor
	250		
	500		
	750		
	1000		

Calibration Check Date: 10/07/05

Calibration Check

Range	Levels (µg/L)	(mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	-0.7
C_9-C_{12} Aliphatics	500	50	-16.5
C_9-C_{10} Aromatics	500	50	-18.0

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

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

Client Project ID: Batch QC
Lab Sample ID: G106-560-1A
Batch ID: 1101905

Date Analyzed: 19 Oct 2005 6:39 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	1.5	100	89.6	87.4	74.8	133	2.5	30
chlorobenzene	BQL	100	91.1	91.4	66.3	135	0.3	30
1,1-dichloroethene	BQL	100	96.8	97.2	72.0	135	0.3	30
toluene	2.9	100	92.8	87.7	70.5	138	5.7	30
trichloroethene	BQL	100	97.3	95.4	60.7	152	2.0	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 Laboratory Control Spike (LCS)
by GC/MS 8260/5035

Lab Sample ID: lcs1101905a
Analyst: JTF
Batch ID: 1101905

Date Analyzed: 19 Oct 2005 9:44 am
Matrix: Soil

compound	Spiked (µg/Kg)	Amount recovered	LCS (%)	Limits Lower (%)	Limits Upper (%)
benzene	50	47.84	95.7	77.6	122
chlorobenzene	50	48.05	96.1	75.3	125
1,1-dichloroethene	50	49.73	99.5	78.5	121
toluene	50	49.50	99.0	75.7	124
trichloroethene	50	48.94	97.9	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

MS/MSD Results for METALS

Lab ID: G296-245-1
MS Lab ID: G296-245-1
MSD Lab ID: G296-245-1
ICP Batch: 4008
HG Batch:
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
Lead	BQL	0.400	0.408	102	0.400	0.413	103	75	125	1.22	20

Comments

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

Reviewed By: _____

METALS Results for LCS/LCD

ICP Batch: 4008
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	0.400	0.411	103		0.414	104		80	120	0.727		20

Reviewed By: _____

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.

Results for Volatiles
by GC 601

Client Sample ID:	MSDUP-3	Analyzed By:	MJC
Client Project ID:	Martin Site	Date Collected:	1/0/00 0:00
Lab Sample ID:	G161-2262-4A	Date Received:	12/8/05
Lab Project ID:	G161-2262	Matrix:	Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.2	100

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: MSDUP-3
Client Project ID: Martin Site
Lab Sample ID: G161-2262-4A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 1/0/00 0:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.6

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

Reviewed By: [illegible]

Results for Volatiles
by GC 601

Client Sample ID:	Equipment Blank	Analyzed By:	MJC
Client Project ID:	Martin Site	Date Collected:	12/7/05 11:50
Lab Sample ID:	G161-2262-5A	Date Received:	12/8/05
Lab Project ID:	G161-2262	Matrix:	Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	39.0	97.6

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: Equipment Blank
Client Project ID: Martin Site
Lab Sample ID: G161-2262-5A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 11:50
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.9	99.8

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

Reviewed By:

Results for Volatiles
by GC 601

Client Sample ID: Trip Blank
Client Project ID: Martin Site
Lab Sample ID: G161-2262-6A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 0:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.8	102

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: Trip Blank
Client Project ID: Martin Site
Lab Sample ID: G161-2262-6A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 0:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.5

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

Reviewed By: _____

Results for Volatiles
by GC 601

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK4121305A
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	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	38.9	97.2

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK4121305A
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	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.9	99.6

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

Reviewed By:

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB4148
Lab Project ID:

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 12/9/2005
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	12/13/2005	
Acenaphthylene	BQL	10.0	1.12	1	12/13/2005	
Anthracene	BQL	10.0	1.75	1	12/13/2005	
Benzo[a]anthracene	BQL	10.0	1.36	1	12/13/2005	
Benzo[a]pyrene	BQL	10.0	1.27	1	12/13/2005	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	12/13/2005	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	12/13/2005	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	12/13/2005	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	12/13/2005	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	12/13/2005	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	12/13/2005	
Butylbenzylphthalate	BQL	10.0	1.53	1	12/13/2005	
2-Chloronaphthalene	BQL	10.0	1.25	1	12/13/2005	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	12/13/2005	
Chrysene	BQL	10.0	1.11	1	12/13/2005	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	12/13/2005	
Di-n-Butylphthalate	BQL	10.0	1.65	1	12/13/2005	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	12/13/2005	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	12/13/2005	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	12/13/2005	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	12/13/2005	
Diethylphthalate	BQL	10.0	1.48	1	12/13/2005	
Dimethylphthalate	BQL	10.0	1.04	1	12/13/2005	
Di-n-octylphthalate	BQL	10.0	1.16	1	12/13/2005	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	12/13/2005	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	12/13/2005	
Diphenylamine *	BQL	10.0	1.53	1	12/13/2005	
Fluoranthene	BQL	10.0	1.41	1	12/13/2005	
Fluorene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobenzene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobutadiene	BQL	10.0	1.58	1	12/13/2005	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	12/13/2005	
Hexachloroethane	BQL	10.0	1.58	1	12/13/2005	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	12/13/2005	
Isophorone	BQL	10.0	1.27	1	12/13/2005	
Naphthalene	BQL	10.0	1.08	1	12/13/2005	
Nitrobenzene	BQL	10.0	1.32	1	12/13/2005	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	12/13/2005	
Phenanthrene	BQL	10.0	1.38	1	12/13/2005	
Pyrene	BQL	10.0	2.08	1	12/13/2005	

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB4148
Lab Project ID:

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 12/9/2005
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	12/13/2005	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.1	81
Nitrobenzene-d5	10	7.5	75
4-Terphenyl-d14	10	8.7	87

Comments:

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

Flags:

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

Reviewed By:

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB4148
Lab Project ID:
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 12/9/2005
Date Analyzed: 12/13/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know solvent peak (added by lab)	4.29			1430
2	Know Compound peak (added by lab)	12.02			12.4
3	Unknown	7.93			6.35
4	Unknown	22.84			4.79
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: _____

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	12/09/05
Date Analyzed	12/12/05
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	76
Aromatic Surrogate % Recovery	79

Comments:

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

Lab info: pb4147

Reviewed By: _____

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MMW4
Sample Matrix	Water
Date Collected	12/07/05
Date Received	12/08/05
Date Extracted	12/09/05
Date Analyzed	12/12/05
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	82
Aromatic Surrogate % Recovery	85

Comments:

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

Lab info: G161-2262-3K

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MMW4
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	12/07/05
Date Received	12/08/05
Date Extracted	12/10/05
Date Analyzed	12/10/05
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	97
Surrogate % Recovery - FID	98

* = 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: g161-2262-3d

Reviewed By:

Results for Volatiles
by GC 601

Client Sample ID: MMW4
Client Project ID: Martin Site
Lab Sample ID: G161-2262-3A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 11:22
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	39.5	98.8

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

Reviewed By:

Results for Volatiles
by GC 602

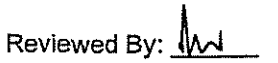
Client Sample ID: MMW4
Client Project ID: Martin Site
Lab Sample ID: G161-2262-3A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 11:22
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.5

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

Reviewed By: 

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: MMW4
Client Project ID: Martin Site
Lab Sample ID: G161-2262-3N
Lab Project ID: G161-2262

Analyzed By: MRC
Date Collected: 12/7/2005 11:22
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	12/13/2005	
Acenaphthylene	BQL	10.0	1.12	1	12/13/2005	
Anthracene	BQL	10.0	1.75	1	12/13/2005	
Benzo[a]anthracene	BQL	10.0	1.36	1	12/13/2005	
Benzo[a]pyrene	BQL	10.0	1.27	1	12/13/2005	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	12/13/2005	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	12/13/2005	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	12/13/2005	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	12/13/2005	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	12/13/2005	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	12/13/2005	
Butylbenzylphthalate	BQL	10.0	1.53	1	12/13/2005	
2-Chloronaphthalene	BQL	10.0	1.25	1	12/13/2005	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	12/13/2005	
Chrysene	BQL	10.0	1.11	1	12/13/2005	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	12/13/2005	
Di-n-Butylphthalate	BQL	10.0	1.65	1	12/13/2005	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	12/13/2005	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	12/13/2005	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	12/13/2005	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	12/13/2005	
Diethylphthalate	BQL	10.0	1.48	1	12/13/2005	
Dimethylphthalate	BQL	10.0	1.04	1	12/13/2005	
Di-n-octylphthalate	BQL	10.0	1.16	1	12/13/2005	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	12/13/2005	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	12/13/2005	
Diphenylamine *	BQL	10.0	1.53	1	12/13/2005	
Fluoranthene	BQL	10.0	1.41	1	12/13/2005	
Fluorene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobenzene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobutadiene	BQL	10.0	1.58	1	12/13/2005	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	12/13/2005	
Hexachloroethane	BQL	10.0	1.58	1	12/13/2005	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	12/13/2005	
Isophorone	BQL	10.0	1.27	1	12/13/2005	
Naphthalene	BQL	10.0	1.08	1	12/13/2005	
Nitrobenzene	BQL	10.0	1.32	1	12/13/2005	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	12/13/2005	
Phenanthrene	BQL	10.0	1.38	1	12/13/2005	
Pyrene	BQL	10.0	2.08	1	12/13/2005	

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: MMW4
Client Project ID: Martin Site
Lab Sample ID: G161-2262-3N
Lab Project ID: G161-2262

Analyzed By: MRC
Date Collected: 12/7/2005 11:22
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	12/13/2005	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.1	81
Nitrobenzene-d5	10	7.7	77
4-Terphenyl-d14	10	8.5	85

Comments:

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

Flags:

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

Reviewed By: _____

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: MMW4
Client Project ID: Martin Site
Lab Sample ID: G161-2262-3N
Lab Project ID: G161-2262
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 12/7/2005 11:22
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Date Analyzed: 12/13/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know solvent peak (added by lab)	4.11	000108-88-3	94	1930
2	Know Compound peak (added by lab)	12.05			43.1
3	Unknown	20.00			17.1
4	Unknown	22.83			4.51
5	Unknown	7.93			3.89
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 Organics
by EPA 504.1

Client Sample ID: MMW4
Client Project ID: Martin Site
Lab Sample ID: G161-2262-3Q
Lab Project ID: G161-2262

Analyzed By: DCS
Date Collected: 12/7/2005 11:22
Date Received: 12/8/2005 10:00
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0.0194	1	12/14/2005

Reviewed By

8011_LIMS_1 34 XLS

Results for Metals

Client Sample ID:	MMW4	Analyzed By:	RML
Client Project ID:	Martin Site	Date Collected:	12/7/2005 11:22
Lab Sample ID:	G161-2262-3	Date Received:	12/8/05
Lab Project ID:	G161-2262	Matrix:	WATER
Batch ID:	4155		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**5.42**	5.00	0.470	25	UG/L	6020	12/12/05	

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

Reviewed By: _____
MET_LIMS_3 9b

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MMW5
Sample Matrix	Water
Date Collected	12/07/05
Date Received	12/08/05
Date Extracted	12/09/05
Date Analyzed	12/12/05
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	73
Aromatic Surrogate % Recovery	76

Comments:

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

Lab info: G161-2262-1K

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MMW5
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	12/07/05
Date Received	12/08/05
Date Extracted	12/10/05
Date Analyzed	12/10/05
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	99
Surrogate % Recovery - FID	99

* = 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: g161-2262-1d

Reviewed By:

Results for Volatiles
by GC 601

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 10:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.8	102

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

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 10:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

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: _____

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1L
Lab Project ID: G161-2262

Analyzed By: MRC
Date Collected: 12/7/2005 10:00
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	12/13/2005	
Acenaphthylene	BQL	10.0	1.12	1	12/13/2005	
Anthracene	BQL	10.0	1.75	1	12/13/2005	
Benzo[a]anthracene	BQL	10.0	1.36	1	12/13/2005	
Benzo[a]pyrene	BQL	10.0	1.27	1	12/13/2005	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	12/13/2005	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	12/13/2005	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	12/13/2005	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	12/13/2005	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	12/13/2005	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	12/13/2005	
Butylbenzylphthalate	BQL	10.0	1.53	1	12/13/2005	
2-Chloronaphthalene	BQL	10.0	1.25	1	12/13/2005	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	12/13/2005	
Chrysene	BQL	10.0	1.11	1	12/13/2005	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	12/13/2005	
Di-n-Butylphthalate	BQL	10.0	1.65	1	12/13/2005	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	12/13/2005	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	12/13/2005	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	12/13/2005	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	12/13/2005	
Diethylphthalate	BQL	10.0	1.48	1	12/13/2005	
Dimethylphthalate	BQL	10.0	1.04	1	12/13/2005	
Di-n-octylphthalate	BQL	10.0	1.16	1	12/13/2005	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	12/13/2005	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	12/13/2005	
Diphenylamine *	BQL	10.0	1.53	1	12/13/2005	
Fluoranthene	BQL	10.0	1.41	1	12/13/2005	
Fluorene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobenzene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobutadiene	BQL	10.0	1.58	1	12/13/2005	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	12/13/2005	
Hexachloroethane	BQL	10.0	1.58	1	12/13/2005	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	12/13/2005	
Isophorone	BQL	10.0	1.27	1	12/13/2005	
Naphthalene	BQL	10.0	1.08	1	12/13/2005	
Nitrobenzene	BQL	10.0	1.32	1	12/13/2005	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	12/13/2005	
Phenanthrene	BQL	10.0	1.38	1	12/13/2005	
Pyrene	BQL	10.0	2.08	1	12/13/2005	

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1L
Lab Project ID: G161-2262

Analyzed By: MRC
Date Collected: 12/7/2005 10:00
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	12/13/2005	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8	80
Nitrobenzene-d5	10	7.9	79
4-Terphenyl-d14	10	8.8	88

Comments:

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

Flags:

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

Reviewed By: [signature]

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1L
Lab Project ID: G161-2262
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 12/7/2005 10:00
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Date Analyzed: 12/13/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know solvent peak (added by lab)	4.13			1740
2	Know Compound peak (added by lab)	12.05			59
3	Unknown	20.00			12
4	Unknown	22.83			4.99
5	Unknown	7.93			4.24
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.

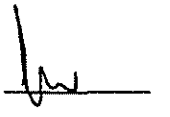
Reviewed by: _____

Results for Organics
by EPA 504.1

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1P
Lab Project ID: G161-2262

Analyzed By: DCS
Date Collected: 12/7/2005 10:00
Date Received: 12/8/2005 10:00
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0.0194	1	12/14/2005

Reviewed By: 

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Results for Metals

Client Sample ID:	MMW5	Analyzed By:	RML
Client Project ID:	Martin Site	Date Collected:	12/7/2005 10:00
Lab Sample ID:	G161-2262-1	Date Received:	12/8/05
Lab Project ID:	G161-2262	Matrix:	WATER
Batch ID:	4155		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	12/12/05	

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

Reviewed By:
MET_MMS_3 9b

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MDW1
Sample Matrix	Water
Date Collected	12/07/05
Date Received	12/08/05
Date Extracted	12/09/05
Date Analyzed	12/12/05
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	35
Aromatic Surrogate % Recovery	54

Comments:

* = Excludes any surrogates or internal standards.
Sample did not require fractionation.
Duplicate analysis confirms low surrogates.

Lab info: G161-2262-2K

Reviewed By: [illegible]

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MDW1
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	12/07/05
Date Received	12/08/05
Date Extracted	12/10/05
Date Analyzed	12/10/05
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	98
Surrogate % Recovery - FID	99

* = 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: g161-2262-2d

Reviewed By: lw

Results for Volatiles
by GC 601

Client Sample ID: MDW1
Client Project ID: Martin Site
Lab Sample ID: G161-2262-2A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 11:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	41.3	103

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

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: MDW1
Client Project ID: Martin Site
Lab Sample ID: G161-2262-2A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 11:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.4

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

Reviewed By: _____

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: MDW1
Client Project ID: Martin Site
Lab Sample ID: G161-2262-2L
Lab Project ID: G161-2262

Analyzed By: MRC
Date Collected: 12/7/2005 11:00
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	12/13/2005	
Acenaphthylene	BQL	10.0	1.12	1	12/13/2005	
Anthracene	BQL	10.0	1.75	1	12/13/2005	
Benzo[a]anthracene	BQL	10.0	1.36	1	12/13/2005	
Benzo[a]pyrene	BQL	10.0	1.27	1	12/13/2005	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	12/13/2005	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	12/13/2005	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	12/13/2005	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	12/13/2005	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	12/13/2005	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	12/13/2005	
Butylbenzylphthalate	BQL	10.0	1.53	1	12/13/2005	
2-Chloronaphthalene	BQL	10.0	1.25	1	12/13/2005	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	12/13/2005	
Chrysene	BQL	10.0	1.11	1	12/13/2005	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	12/13/2005	
Di-n-Butylphthalate	BQL	10.0	1.65	1	12/13/2005	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	12/13/2005	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	12/13/2005	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	12/13/2005	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	12/13/2005	
Diethylphthalate	BQL	10.0	1.48	1	12/13/2005	
Dimethylphthalate	BQL	10.0	1.04	1	12/13/2005	
Di-n-octylphthalate	BQL	10.0	1.16	1	12/13/2005	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	12/13/2005	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	12/13/2005	
Diphenylamine *	BQL	10.0	1.53	1	12/13/2005	
Fluoranthene	BQL	10.0	1.41	1	12/13/2005	
Fluorene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobenzene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobutadiene	BQL	10.0	1.58	1	12/13/2005	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	12/13/2005	
Hexachloroethane	BQL	10.0	1.58	1	12/13/2005	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	12/13/2005	
Isophorone	BQL	10.0	1.27	1	12/13/2005	
Naphthalene	BQL	10.0	1.08	1	12/13/2005	
Nitrobenzene	BQL	10.0	1.32	1	12/13/2005	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	12/13/2005	
Phenanthrene	BQL	10.0	1.38	1	12/13/2005	
Pyrene	BQL	10.0	2.08	1	12/13/2005	

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: MDW1
Client Project ID: Martin Site
Lab Sample ID: G161-2262-2L
Lab Project ID: G161-2262

Analyzed By: MRC
Date Collected: 12/7/2005 11:00
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	12/13/2005	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.5	75
Nitrobenzene-d5	10	7	70
4-Terphenyl-d14	10	7.6	76

Comments:

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

Flags:

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

Reviewed By: _____

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: MDW1
Client Project ID: Martin Site
Lab Sample ID: G161-2262-2L
Lab Project ID: G161-2262
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 12/7/2005 11:00
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Date Analyzed: 12/13/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know solvent peak (added by lab)	4.11			1670
2	Know Compound peak (added by lab)	12.05			40
3	Unknown	20.07			7.92
4	Unknown	7.93			5.2
5	Unknown	20.66			4.94
6	Unknown	22.83			4.91
7					
8					
9					
10					

Comment:

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

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

Reviewed by: _____

Results for Organics
by EPA 504.1

Client Sample ID: MDW1
Client Project ID: Martin Site
Lab Sample ID: G161-2262-2N
Lab Project ID: G161-2262

Analyzed By: DCS
Date Collected: 12/7/2005 11:00
Date Received: 12/8/2005 10:00
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0.0194	1	12/14/2005

Reviewed By: _____

8011_LIMS_1 34 XLS

Results for Metals

Client Sample ID:	MDW1	Analyzed By:	RML
Client Project ID:	Martin Site	Date Collected:	12/7/2005 11:00
Lab Sample ID:	G161-2262-2	Date Received:	12/8/05
Lab Project ID:	G161-2262	Matrix:	WATER
Batch ID:	4155		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**7.67**	5.00	0.470	25	UG/L	6020	12/12/05	

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

Reviewed By: _____
MET_LIMS_3 9b

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 09/13/05

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	3.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	3.8	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	7.9	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 12/12/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	0.9
C_{19}-C_{36} Aliphatics	160	-2.8
C_{11}-C_{22} Aromatics	340	-0.3

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

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.

MI34.092205.2

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# 50721

Page 2 of 2

Client: ECS
Address: 6909 International Dr Suite 163
Address: Greensboro, NC 27409
Quote #: 1842

Project ID: Martin Site
Contact: Jason Ricks
Phone: 336-856-7150
Fax: 336-856-7160

Date: 10/5/05
Turnaround: Standard
Job Number: G-9506
P.O. Number:

Report To: Jricks@esslimited.com
Invoice To: ECS

Sample ID	Date	Time	Matrix	Preservatives: HCl	HNO3			Analyses: 8270	Total RCRA Metals	8260/5035	MADEP EPH/VPH	601/602	504.1	625 8270	601/602			Comments: Please specify any special reporting requirements
																		G161-2182
MS-17-5	10/4/05	330	Soil					✓		✓								City of
MS-18-1	10/5/05	425	Soil					✓	✓									
																		Greensboro
WMS-1	10/5/05	1140	Water	✓	✓				✓		✓	✓	✓	✓				
WMS-2	10/5/05	1236	Water	✓	✓				✓		~~✓~~	✓	~~✓~~ 10/6/05	✓				EPH/VPH and SOM01 required per Jason Ricks 10/6/05
WMS-3	10/5/05	235	Water	✓	✓				✓		✓	✓	✓	✓				
MS DUP-2	10/5/05	—	W	✓											✓			added per Jason Ricks 10/6/05
MS DUP-1	10/4/05	—	S							✓								report not required per Jason Ricks 10/6/05

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
[signature]	10/5/05	1800	Fedex				NC (✓) SC ____ Other ____
			[signature]	10/6/05	1030	3.4°C, 0.2°C	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# 51224

Page 1 of 1

Client: EGS
Address: 6909 International Dr. Suite 103
Address: Greensboro, NC 27409
Quote #: 18412

Project ID: Martin Site
Contact: Jason Ricks
Phone: 336-856-7150
Fax: 336-856-7160

Date: 12/7/05
Turnaround: 7-Day
Job Number: G-9506
P.O. Number:

Report To: Jricks@ecslimited.com
Invoice To: ECS

Sample ID	Date	Time	Matrix	Preservatives: HCL	Preservatives: HNO3			Analyses: 601/602	625 BNA + 10 TICs	Lead By 3030C	EDB 504.1	EPH/VPH						Comments: Please specify any special reporting requirements
																		City of
MMW5	12/7/05	1000	Water	✓	✓			✓	✓	✓	✓	✓						
MDW1	12/7/05	1100	Water	✓	✓			✓	✓	✓	✓	✓						Greensboro
MMW4	12/7/05	1122	Water	✓	✓			✓	✓	✓	✓	✓						
																		Project
MSDUP-3			Water	✓				✓										
Equipment Blank	12/7/05	1150	Water	✓				✓										G161-2262
Trip Blank								✓										

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
Matt Brennan	12/7/05	1700	Fedex				NC X SC ____ Other ____
			Julie Johnson	12/8/05	1000	0.2°C	SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

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

MARTIN PROPERTY
LABORATORY QA/QC DATA

Mr. Jason Ricks
ECS
6909 International Drive
Greensboro NC 27409

Report Number: G161-2262

Client Project: Martin Site

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.

12/28/05

Laboratory Director Date
J. Patrick Weaver

CASE NARRATIVE

Date: January 10, 2006

ECS Project ID: Martin Site
Paradigm Analytical ID: G161-2262

Three water samples with a duplicate, trip blank and an equipment blank were received at the laboratory December 8 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. The following discussion details results of the quality controls by parameter.

Metals

The samples were analyzed in one batch.

The blank was clean.

Both the MS/MSD and LCS/LCD pairs were within control limits.

VPH

The blank was clean.

The MS/MSD and LCS were within control limits.

EPH

The blank was clean.

Sample MDW1was analyzed twice with confirming low surrogate results suggesting matrix interference.

The MS had low aliphatic recoveries while the MSD was within control limits.

The batch was validated with the passing LCS recovery.

601/602

All surrogate spikes recoveries were within control limits.

The blank was clean.

The MS/MSD and LCS met all control limits.

625

All surrogate spikes recoveries were within control limits.

The blank was clean.

The MS/MSD and LCS met all control limits.

504.1

The blank was clean.

The MS/MSD and LCS met all control 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.

MI34.092205.2

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# 51224

Page 1 of 1

5 of 54

Client: EGS
Address: 6909 International Dr. Suite 103
Address: Greensboro, NC 27409
Quote #: 1842

Project ID: Martin Site
Contact: Jason Ricks
Phone: 336-856-7150
Fax: 336-856-7160

Date: 12/7/05
Turnaround: 7-Day
Job Number: G-9506
P.O. Number:

Report To: Jricks@ecslimited.com

Invoice To: ECS

Sample ID	Date	Time	Matrix	Preservatives: HCL	Preservatives: HNO3			Analyses: 601/602	625 BN + 10 TICs	Lead By 3030C	EDB 504.1	EPH/VPH						Comments: Please specify any special reporting requirements
																		City of
MMW5	12/7/05	1000	Water	✓	✓			✓	✓	✓	✓	✓						
MDW1	12/7/05	1100	Water	✓	✓			✓	✓	✓	✓	✓						Greensboro
MMW4	12/7/05	1122	Water	✓	✓			✓	✓	✓	✓	✓						
																		Project
MSDUP-3			Water	✓				✓										
Equipment Blank	12/7/05	1150	Water	✓				✓										G161-2262
Trip Blank								✓										

Relinquished By	Date	Time	Received By	Date	Time	Temperature
Matt Brannon	12/7/05	1700	Fedex			
			Julie Johnson	12/8/05	1000	0.2°C

State Certification Requested: NC X SC ____ Other ____

SEE REVERSE FOR TERMS AND CONDITIONS

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

ORIGINAL

Results for Volatiles
by GC 601

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 10:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.8	102

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

Reviewed By: [signature]
GC_LIMS_v2.0 XLS

Results for Volatiles
by GC 601

Client Sample ID: MDW1
Client Project ID: Martin Site
Lab Sample ID: G161-2262-2A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 11:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	41.3	103

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

Reviewed By:

Results for Volatiles
by GC 601

Client Sample ID: MMW4
Client Project ID: Martin Site
Lab Sample ID: G161-2262-3A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 11:22
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	39.5	98.8

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

Reviewed By:

Results for Volatiles
by GC 601

Client Sample ID: MSDUP-3
Client Project ID: Martin Site
Lab Sample ID: G161-2262-4A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 1/0/00 0:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.2	100

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

Reviewed By: _____
GC_LIMS_v2 0 XLS

Results for Volatiles
by GC 601

Client Sample ID: Equipment Blank
Client Project ID: Martin Site
Lab Sample ID: G161-2262-5A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 11:50
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	39.0	97.6

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

Reviewed By:

Results for Volatiles
by GC 601

Client Sample ID: Trip Blank
Client Project ID: Martin Site
Lab Sample ID: G161-2262-6A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 0:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.8	102

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

Reviewed By: _____
GC_LIMS_v2 0 XLS

Results for Volatiles
by GC 602

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 10:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

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: _____
GC_LIMS_V2 0.XLS

Results for Volatiles
by GC 602

Client Sample ID: MDW1
Client Project ID: Martin Site
Lab Sample ID: G161-2262-2A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 11:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.4

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

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: MMW4
Client Project ID: Martin Site
Lab Sample ID: G161-2262-3A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 11:22
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.5

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

Reviewed By: [signature]

Results for Volatiles
by GC 602

Client Sample ID: MSDUP-3
Client Project ID: Martin Site
Lab Sample ID: G161-2262-4A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 1/0/00 0:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.6

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

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID:	Equipment Blank	Analyzed By:	MJC
Client Project ID:	Martin Site	Date Collected:	12/7/05 11:50
Lab Sample ID:	G161-2262-5A	Date Received:	12/8/05
Lab Project ID:	G161-2262	Matrix:	Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.9	99.8

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID:	Trip Blank	Analyzed By:	MJC
Client Project ID:	Martin Site	Date Collected:	12/7/05 0:00
Lab Sample ID:	G161-2262-6A	Date Received:	12/8/05
Lab Project ID:	G161-2262	Matrix:	Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.5

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

Reviewed By: _____

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	MMW5	G161-2262-1A	014F0101.D	102	70 - 130	0
02	MDW1	G161-2262-2A	015F0101.D	103	70 - 130	0
03	MMW4	G161-2262-3A	017F0101.D	98.8	70 - 130	0
04	MSDUP-3	G161-2262-4A	018F0101.D	100	70 - 130	0
05	Equipment Blank	G161-2262-5A	019F0101.D	97.6	70 - 130	0
06	Trip Blank	G161-2262-6A	010F0101.D	102	70 - 130	0
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S1 (DCB) = 1,4-dichlorobutane

Paradigm Analytical Laboratories, INC.

IV

601 METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK4121305A

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab Sample ID: VBLK4121305A Lab File ID: 008F0101.D

Date Analyzed: 2005-12-13 Instrument ID: GC3

Time Analyzed: 13:12 GC Column:

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

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	Trip Blank	G161-2262-6A	010F0101.D	2005-12-13 14:14
02	MMW5	G161-2262-1A	014F0101.D	2005-12-13 16:17
03	MDW1	G161-2262-2A	015F0101.D	2005-12-13 16:48
04	G161-2262-2B DUP	G161-2262-2B DUP	016F0101.D	2005-12-13 17:18
05	MMW4	G161-2262-3A	017F0101.D	2005-12-13 17:49
06	MSDUP-3	G161-2262-4A	018F0101.D	2005-12-13 18:19
07	Equipment Blank	G161-2262-5A	019F0101.D	2005-12-13 18:50
08				
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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	MMW5	G161-2262-1A	014R0101.D	101	70 - 130	0
02	MDW1	G161-2262-2A	015R0101.D	99.4	70 - 130	0
03	MMW4	G161-2262-3A	017R0101.D	99.5	70 - 130	0
04	MSDUP-3	G161-2262-4A	018R0101.D	99.6	70 - 130	0
05	Equipment Blank	G161-2262-5A	019R0101.D	99.8	70 - 130	0
06	Trip Blank	G161-2262-6A	010R0101.D	99.5	70 - 130	0
07						
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S1 (TFT) = trifluorotoluene

Paradigm Analytical Laboratories, INC.

IV

602 METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK4121305A

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00519 Case No.: SAS No.: SDG No.:

Lab Sample ID: VBLK4121305A Lab File ID: 008R0101.D

Date Analyzed: 2005-12-13 Instrument ID: GC3

Time Analyzed: 13:12 GC Column:

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

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	Trip Blank	G161-2262-6A	010R0101.D	2005-12-13 14:14
02	MMW5	G161-2262-1A	014R0101.D	2005-12-13 16:17
03	MDW1	G161-2262-2A	015R0101.D	2005-12-13 16:48
04	G161-2262-2B DUP	G161-2262-2B DUP	016R0101.D	2005-12-13 17:18
05	MMW4	G161-2262-3A	017R0101.D	2005-12-13 17:49
06	MSDUP-3	G161-2262-4A	018R0101.D	2005-12-13 18:19
07	Equipment Blank	G161-2262-5A	019R0101.D	2005-12-13 18:50
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COMMENTS: _____

Results for Volatiles
by GC 601

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK4121305A
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	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	38.9	97.2

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

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK4121305A
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	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.9	99.6

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

Reviewed By: MW

Control Limits for MS-MSD

Method : 601 **Spike[ppb] :** 10
Instrument : gc3
Sample : 121305\023f0101.txt
MS : 121305\024f0101.txt
MSD : 121305\025f0101.txt

5

	µg/L			P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Bromodichloromethane	ND	10.4	10.4	104	104	42	172
Bromoform	ND	9.8	9.9	98	99	13	159
Bromomethane	ND	9.2	9.3	92	93	D	144
Carbon tetrachloride	ND	11.2	10.7	112	107	43	143
Chlorobenzene	ND	10.4	10.7	104	107	38	150
Chloroethane	ND	11.1	11.7	111	117	46	137
Chloroform	ND	11.3	10.9	113	109	49	133
Chloromethane	ND	10.3	11.2	103	112	D	193
Dibromochloromethane	ND	10.3	10.4	103	104	24	191
• 1,2-Dibromoethane	ND	9.8	9.9	98	99	D	206
1,2-Dichlorobenzene	ND	10.1	10.7	101	107	D	208
1,3-Dichlorobenzene	ND	10.4	10.8	104	108	7	187
1,4-Dichlorobenzene	ND	10.5	10.9	105	109	42	143
1,1-Dichloroethane	ND	10.7	11.6	107	116	47	132
1,2-Dichloroethane	ND	10.8	10.7	108	107	51	147
1,1-Dichloroethene	ND	11.3	11.6	113	116	28	167
• cis-1,2-Dichloroethene	ND	10.8	10.5	108	105	19	181
trans-1,2-Dichloroethene	ND	11.0	11.9	110	119	38	155
1,2-Dichloropropane	ND	10.8	10.9	108	109	44	156
cis-1,3-Dichloropropene	ND	10.2	9.9	102	99	22	178
trans-1,3-Dichloropropene	ND	9.5	9.1	95	91	22	178
Methylene Chloride	ND	10.8	11.7	108	117	25	162
1,1,2,2-Tertrachloroethane	ND	6.2	6.4	62	64	8	184
Tetrachloroethane	ND	6.7	6.5	67	65	26	162
1,1,1-Trichloroethane	ND	11.0	10.6	110	106	41	138
1,1,2-Trichloroethane	ND	10.5	10.7	105	107	39	136
Trichloroethene	ND	11.1	11.0	111	110	35	146
Trichlorofluromethane	ND	10.1	11.0	101	110	21	156
Vinyl Chloride	ND	10.9	11.8	109	118	28	163

Method: 602 **Spike[ppb] :** 10
Instrument : gc3
Sample : 121305\023r0101.txt
MS : 121305\024r0101.txt
MSD : 121305\025r0101.txt

	µg/L			P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Benzene	ND	10.4	10.5	104	105	39	150
Chlorobenzene	ND	10.0	10.2	100	102	55	135
1,2-Dichlorobenzene	ND	10.0	10.1	100	101	37	164
1,3-Dichlorobenzene	ND	9.8	10.1	98	101	50	141
1,4-Dichlorobenzene	ND	9.4	9.6	94	96	42	143
• Diisopropyl ether	ND	9.9	10.2	99	102	30	170
Ethylbenzene	5.8	16.8	16.8	109	110	32	160
• MTBE	ND	10.2	10.3	102	103	35	165
Toluene	ND	10.3	10.4	103	104	46	148
• m,p-Xylene	51.1	70.9	71.2	99	100	D	239
• o-Xylene	ND	10.1	10.3	101	103	36	164

Flags :

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

Reviewed by: _____

Control Limits for QC Check / Laboratory Control Spike

Method : 601 **Spike[ppb] :** 10
Instrument : gc3
Filename : 121305\005f0101.txt

	Compound	ppb	Q(%)	QC Limits Lower	QC Limits Upper	P_s(%)	LCS Limits Lower	LCS Limits Upper
	Bromodichloromethane	10.6	106.2	76.0	124.0	106	42	172
	Bromoform	9.4	93.6	73.5	126.5	94	13	159
	Bromomethane	11.2	112.0	58.5	141.5	112	D	144
	Carbon tetrachloride	12.0	119.5	68.5	131.5	120	43	143
	Chlorobenzene	10.8	108.4	72.0	128.0	108	38	150
	Chloroethane	12.1	121.4	77.0	123.0	121	46	137
	Chloroform	12.0	120.5	75.0	125.0	120	49	133
	Chloromethane	11.4	113.9	59.5	140.5	114	D	193
	Dibromochloromethane	10.0	100.3	65.5	134.5	100	24	191
•	1,2-Dibromoethane	9.9	99.0	13.6	186.4	99	D	206
	1,2-Dichlorobenzene	10.9	108.6	70.0	130.0	109	D	208
	1,3-Dichlorobenzene	11.1	110.7	49.5	150.5	111	7	187
	1,4-Dichlorobenzene	11.2	111.9	69.5	130.5	112	42	143
	1,1-Dichloroethane	11.8	118.5 +	84.0	116.0	118	47	132
	1,2-Dichloroethane	11.4	114.4	71.5	128.5	114	51	147
	1,1-Dichloroethene	12.0	120.1	63.0	137.0	120	28	167
•	cis-1,2-Dichloroethene	12.2	121.6	34.4	180.6	122	19	181
	trans-1,2-Dichloroethene	12.0	119.9	64.0	136.0	120	38	155
	1,2-Dichloropropane	11.5	115.5	74.0	126.0	115	44	156
	cis-1,3-Dichloropropene	10.6	105.5	64.0	136.0	106	22	178
	trans-1,3-Dichloropropene	9.5	95.0	64.0	136.0	95	22	178
	Methylene Chloride	11.8	118.1	77.5	122.5	118	25	162
	1,1,2,2-Tertrachloroethane	10.3	103.2	49.0	151.0	103	8	184
	Tetrachloroethane	11.1	111.2	70.0	130.0	111	26	162
	1,1,1-Trichloroethane	12.0	120.1	71.0	129.0	120	41	138
	1,1,2-Trichloroethane	10.4	103.8	78.5	121.5	104	39	136
	Trichloroethene	11.9	119.2	77.0	123.0	119	35	146
	Trichloroflurometh ane	11.2	111.5	66.5	133.5	112	21	156
	Vinyl Chloride	12.2	121.9	68.5	131.5	122	28	163

Method: 602 **Spike[ppb] :** 10
Instrument : gc3
Filename : 121305\005r0101.txt

	Compound	ppb	Q(%)	QC Limits Lower	QC Limits Upper	P_s(%)	LCS Limits Lower	LCS Limits Upper
	Benzene	10.4	103.6	77.0	123.0	104	39	150
	Chlorobenzene	9.9	99.3	80.5	119.5	99	65	135
	1,2-Dichlorobenzene	9.9	99.3	68.0	132.0	99	37	154
	1,3-Dichlorobenzene	9.7	96.6	72.5	127.5	97	50	141
	1,4-Dichlorobenzene	9.8	98.4	69.5	130.5	98	42	143
•	Diisopropyl ether	9.6	96.2	43.1	156.9	96	30	170
	Ethylbenzene	10.4	103.9	63.0	137.0	104	32	160
•	MTBE	10.0	100.2	46.8	153.2	100	35	165
	Toluene	10.3	102.6	77.5	127.0	103	46	148
•	m,p-Xylene	20.8	104.2	11.2	188.8	104	D	239
•	o-Xylene	10.1	101.0	47.6	152.4	101	36	164

Flags :

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

Reviewed by: _____

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1L
Lab Project ID: G161-2262

Analyzed By: MRC
Date Collected: 12/7/2005 10:00
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	12/13/2005	
Acenaphthylene	BQL	10.0	1.12	1	12/13/2005	
Anthracene	BQL	10.0	1.75	1	12/13/2005	
Benzo[a]anthracene	BQL	10.0	1.36	1	12/13/2005	
Benzo[a]pyrene	BQL	10.0	1.27	1	12/13/2005	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	12/13/2005	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	12/13/2005	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	12/13/2005	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	12/13/2005	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	12/13/2005	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	12/13/2005	
Butylbenzylphthalate	BQL	10.0	1.53	1	12/13/2005	
2-Chloronaphthalene	BQL	10.0	1.25	1	12/13/2005	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	12/13/2005	
Chrysene	BQL	10.0	1.11	1	12/13/2005	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	12/13/2005	
Di-n-Butylphthalate	BQL	10.0	1.65	1	12/13/2005	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	12/13/2005	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	12/13/2005	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	12/13/2005	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	12/13/2005	
Diethylphthalate	BQL	10.0	1.48	1	12/13/2005	
Dimethylphthalate	BQL	10.0	1.04	1	12/13/2005	
Di-n-octylphthalate	BQL	10.0	1.16	1	12/13/2005	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	12/13/2005	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	12/13/2005	
Diphenylamine *	BQL	10.0	1.53	1	12/13/2005	
Fluoranthene	BQL	10.0	1.41	1	12/13/2005	
Fluorene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobenzene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobutadiene	BQL	10.0	1.58	1	12/13/2005	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	12/13/2005	
Hexachloroethane	BQL	10.0	1.58	1	12/13/2005	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	12/13/2005	
Isophorone	BQL	10.0	1.27	1	12/13/2005	
Naphthalene	BQL	10.0	1.08	1	12/13/2005	
Nitrobenzene	BQL	10.0	1.32	1	12/13/2005	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	12/13/2005	
Phenanthrene	BQL	10.0	1.38	1	12/13/2005	
Pyrene	BQL	10.0	2.08	1	12/13/2005	

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1L
Lab Project ID: G161-2262

Analyzed By: MRC
Date Collected: 12/7/2005 10:00
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	12/13/2005	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8	80
Nitrobenzene-d5	10	7.9	79
4-Terphenyl-d14	10	8.8	88

Comments:

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

Flags:

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

Reviewed By: [illegible]

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1L
Lab Project ID: G161-2262
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 12/7/2005 10:00
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Date Analyzed: 12/13/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know solvent peak (added by lab)	4.13			1740
2	Know Compound peak (added by lab)	12.05			59
3	Unknown	20.00			12
4	Unknown	22.83			4.99
5	Unknown	7.93			4.24
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: MDW1
Client Project ID: Martin Site
Lab Sample ID: G161-2262-2L
Lab Project ID: G161-2262

Analyzed By: MRC
Date Collected: 12/7/2005 11:00
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	12/13/2005	
Acenaphthylene	BQL	10.0	1.12	1	12/13/2005	
Anthracene	BQL	10.0	1.75	1	12/13/2005	
Benzo[a]anthracene	BQL	10.0	1.36	1	12/13/2005	
Benzo[a]pyrene	BQL	10.0	1.27	1	12/13/2005	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	12/13/2005	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	12/13/2005	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	12/13/2005	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	12/13/2005	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	12/13/2005	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	12/13/2005	
Butylbenzylphthalate	BQL	10.0	1.53	1	12/13/2005	
2-Chloronaphthalene	BQL	10.0	1.25	1	12/13/2005	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	12/13/2005	
Chrysene	BQL	10.0	1.11	1	12/13/2005	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	12/13/2005	
Di-n-Butylphthalate	BQL	10.0	1.65	1	12/13/2005	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	12/13/2005	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	12/13/2005	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	12/13/2005	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	12/13/2005	
Diethylphthalate	BQL	10.0	1.48	1	12/13/2005	
Dimethylphthalate	BQL	10.0	1.04	1	12/13/2005	
Di-n-octylphthalate	BQL	10.0	1.16	1	12/13/2005	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	12/13/2005	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	12/13/2005	
Diphenylamine *	BQL	10.0	1.53	1	12/13/2005	
Fluoranthene	BQL	10.0	1.41	1	12/13/2005	
Fluorene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobenzene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobutadiene	BQL	10.0	1.58	1	12/13/2005	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	12/13/2005	
Hexachloroethane	BQL	10.0	1.58	1	12/13/2005	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	12/13/2005	
Isophorone	BQL	10.0	1.27	1	12/13/2005	
Naphthalene	BQL	10.0	1.08	1	12/13/2005	
Nitrobenzene	BQL	10.0	1.32	1	12/13/2005	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	12/13/2005	
Phenanthrene	BQL	10.0	1.38	1	12/13/2005	
Pyrene	BQL	10.0	2.08	1	12/13/2005	

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: MDW1
Client Project ID: Martin Site
Lab Sample ID: G161-2262-2L
Lab Project ID: G161-2262

Analyzed By: MRC
Date Collected: 12/7/2005 11:00
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	12/13/2005	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.5	75
Nitrobenzene-d5	10	7	70
4-Terphenyl-d14	10	7.6	76

Comments:

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

Flags:

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

Reviewed By: _____

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: MDW1
Client Project ID: Martin Site
Lab Sample ID: G161-2262-2L
Lab Project ID: G161-2262
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 12/7/2005 11:00
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Date Analyzed: 12/13/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know solvent peak (added by lab)	4.11			1670
2	Know Compound peak (added by lab)	12.05			40
3	Unknown	20.07			7.92
4	Unknown	7.93			5.2
5	Unknown	20.66			4.94
6	Unknown	22.83			4.91
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: MMW4
Client Project ID: Martin Site
Lab Sample ID: G161-2262-3N
Lab Project ID: G161-2262

Analyzed By: MRC
Date Collected: 12/7/2005 11:22
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	12/13/2005	
Acenaphthylene	BQL	10.0	1.12	1	12/13/2005	
Anthracene	BQL	10.0	1.75	1	12/13/2005	
Benzo[a]anthracene	BQL	10.0	1.36	1	12/13/2005	
Benzo[a]pyrene	BQL	10.0	1.27	1	12/13/2005	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	12/13/2005	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	12/13/2005	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	12/13/2005	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	12/13/2005	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	12/13/2005	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	12/13/2005	
Butylbenzylphthalate	BQL	10.0	1.53	1	12/13/2005	
2-Chloronaphthalene	BQL	10.0	1.25	1	12/13/2005	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	12/13/2005	
Chrysene	BQL	10.0	1.11	1	12/13/2005	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	12/13/2005	
Di-n-Butylphthalate	BQL	10.0	1.65	1	12/13/2005	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	12/13/2005	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	12/13/2005	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	12/13/2005	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	12/13/2005	
Diethylphthalate	BQL	10.0	1.48	1	12/13/2005	
Dimethylphthalate	BQL	10.0	1.04	1	12/13/2005	
Di-n-octylphthalate	BQL	10.0	1.16	1	12/13/2005	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	12/13/2005	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	12/13/2005	
Diphenylamine *	BQL	10.0	1.53	1	12/13/2005	
Fluoranthene	BQL	10.0	1.41	1	12/13/2005	
Fluorene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobenzene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobutadiene	BQL	10.0	1.58	1	12/13/2005	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	12/13/2005	
Hexachloroethane	BQL	10.0	1.58	1	12/13/2005	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	12/13/2005	
Isophorone	BQL	10.0	1.27	1	12/13/2005	
Naphthalene	BQL	10.0	1.08	1	12/13/2005	
Nitrobenzene	BQL	10.0	1.32	1	12/13/2005	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	12/13/2005	
Phenanthrene	BQL	10.0	1.38	1	12/13/2005	
Pyrene	BQL	10.0	2.08	1	12/13/2005	

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: MMW4
Client Project ID: Martin Site
Lab Sample ID: G161-2262-3N
Lab Project ID: G161-2262

Analyzed By: MRC
Date Collected: 12/7/2005 11:22
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	12/13/2005	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.1	81
Nitrobenzene-d5	10	7.7	77
4-Terphenyl-d14	10	8.5	85

Comments:

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

Flags:

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

Reviewed By:

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: MMW4
Client Project ID: Martin Site
Lab Sample ID: G161-2262-3N
Lab Project ID: G161-2262
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 12/7/2005 11:22
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Date Analyzed: 12/13/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know solvent peak (added by lab)	4.11	000108-88-3	94	1930
2	Know Compound peak (added by lab)	12.05			43.1
3	Unknown	20.00			17.1
4	Unknown	22.83			4.51
5	Unknown	7.93			3.89
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: PB4148
Lab Project ID:

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 12/9/2005
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	12/13/2005	
Acenaphthylene	BQL	10.0	1.12	1	12/13/2005	
Anthracene	BQL	10.0	1.75	1	12/13/2005	
Benzo[a]anthracene	BQL	10.0	1.36	1	12/13/2005	
Benzo[a]pyrene	BQL	10.0	1.27	1	12/13/2005	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	12/13/2005	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	12/13/2005	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	12/13/2005	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	12/13/2005	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	12/13/2005	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	12/13/2005	
Butylbenzylphthalate	BQL	10.0	1.53	1	12/13/2005	
2-Chloronaphthalene	BQL	10.0	1.25	1	12/13/2005	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	12/13/2005	
Chrysene	BQL	10.0	1.11	1	12/13/2005	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	12/13/2005	
Di-n-Butylphthalate	BQL	10.0	1.65	1	12/13/2005	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	12/13/2005	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	12/13/2005	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	12/13/2005	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	12/13/2005	
Diethylphthalate	BQL	10.0	1.48	1	12/13/2005	
Dimethylphthalate	BQL	10.0	1.04	1	12/13/2005	
Di-n-octylphthalate	BQL	10.0	1.16	1	12/13/2005	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	12/13/2005	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	12/13/2005	
Diphenylamine *	BQL	10.0	1.53	1	12/13/2005	
Fluoranthene	BQL	10.0	1.41	1	12/13/2005	
Fluorene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobenzene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobutadiene	BQL	10.0	1.58	1	12/13/2005	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	12/13/2005	
Hexachloroethane	BQL	10.0	1.58	1	12/13/2005	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	12/13/2005	
Isophorone	BQL	10.0	1.27	1	12/13/2005	
Naphthalene	BQL	10.0	1.08	1	12/13/2005	
Nitrobenzene	BQL	10.0	1.32	1	12/13/2005	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	12/13/2005	
Phenanthrene	BQL	10.0	1.38	1	12/13/2005	
Pyrene	BQL	10.0	2.08	1	12/13/2005	

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB4148
Lab Project ID:

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 12/9/2005
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
1,2,4-Trichlorobenzene	BQL	10 0	1.33	1	12/13/2005	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.1	81
Nitrobenzene-d5	10	7.5	75
4-Terphenyl-d14	10	8.7	87

Comments:

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

Flags:

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

Reviewed By:

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB4148
Lab Project ID:
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 12/9/2005
Date Analyzed: 12/13/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	Know solvent peak (added by lab)	4.29			1430
2	Know Compound peak (added by lab)	12.02			12.4
3	Unknown	7.93			6.35
4	Unknown	22.84			4.79
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: _____

Paradigm Analytical Laboratories, INC.

2C

WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	TOT OUT
01	MMW5	79	80	88				0
02	G161-2262-1M MS	85	84	83				0
03	G161-2262-1N MSD	78	84	79				0
04	LCS4148	82	87	84				0
05	PB4148	75	81	87				0
06	MDW1	70	75	76				0
07	MMW4	77	81	85				0
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
S1 (NBZ) = Nitrobenzene-d5	(46-118)
S2 (FBP) = 2-Fluorobiphenyl	(61-112)
S3 (TPH) = Terphenyl-d14	(22-142)

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

Paradigm Analytical Laboratories, INC.

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Matrix Spike - EPA Sample No.: G161-2262-1L

COMPOUND	SAMPLE CONC (µg/L)	MS SPIKE (µg/L)	MS CONC (µg/L)	MS % REC #	MSD SPIKE (µg/L)	MSD CONC (µg/L)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
Acenaphthene	BQL	250	212	84.9	222	184	82.7	2.62	30	55.0-106
Acenaphthylene	BQL	250	253	101	222	218	98.1	3.11	30	62.0-119
Anthracene	BQL	250	213	85.1	222	185	83.1	2.38	30	44.0-96.0
Benzo[a]anthracene	BQL	250	210	84.0	222	189	84.9	1.06	30	50.0-109
Benzo[a]pyrene	BQL	250	213	85.2	222	182	82.1	3.70	30	39.0-100
Benzo[b]fluoranthene	BQL	250	211	84.3	222	188	84.4	0.118	30	34.0-105
Benzo[g,h,i]perylene	BQL	250	212	84.9	222	189	85.0	0.118	30	36.0-116
Benzo[k]fluoranthene	BQL	250	218	87.3	222	197	88.5	1.36	30	26.0-120
Benzoic Acid	BQL	250	181	72.6	222	154	69.3	4.65	30	44.0-107
Benzyl Alcohol	BQL	250	212	85.0	222	179	80.5	5.44	30	62.0-104
Bis(2-chloroethoxy)methane	BQL	250	199	79.5	222	172	77.5	2.55	30	58.0-101
Bis(2-chloroethyl)ether	BQL	250	181	72.5	222	156	70.3	3.08	30	47.0-93.0
Bis(2-chloroisopropyl)ether	BQL	250	186	74.6	222	158	71.3	4.52	30	58.0-100
Bis(2-ethylhexyl)phthalate	BQL	250	214	85.4	222	200	90.0	5.24	30	46.0-131
4-bromophenyl phenyl ether	BQL	250	209	83.5	222	183	82.3	1.45	30	36.0-112
Butylbenzylphthalate	BQL	250	212	84.8	222	199	89.7	5.62	30	54.0-117
4-Chloroaniline	BQL	250	197	78.9	222	170	76.3	3.35	30	12.0-198
4-Chloro-3-methylphenol	BQL	250	198	79.3	222	174	78.2	1.40	30	67.0-109
2-Chloronaphthalene	BQL	250	207	82.9	222	181	81.3	1.95	30	54.0-105
2-Chlorophenol	BQL	250	194	77.8	222	165	74.1	4.87	30	59.0-95.0
4-Chlorophenyl phenyl ether	BQL	250	214	85.5	222	187	84.1	1.65	30	51.0-114
Chrysene	BQL	250	212	85.0	222	192	86.3	1.52	30	52.0-114
Di-n-Butylphthalate	BQL	250	218	87.2	222	196	88.1	1.03	30	53.0-111
Di-n-octylphthalate	BQL	250	200	80.1	222	189	85.2	6.17	30	22.0-113
Dibenzo[a,h]anthracene	BQL	250	198	79.2	222	182	82.0	3.47	30	33.0-117
Dibenzofuran	BQL	250	200	79.9	222	174	78.3	2.02	30	62.0-108
1,2-Dichlorobenzene	BQL	250	157	63.0	222	129	57.9	8.44	30	31.0-93.0
1,3-Dichlorobenzene	BQL	250	144	57.7	222	118	53.1	8.30	30	25.0-87.0
1,4-Dichlorobenzene	BQL	250	148	59.3	222	122	55.1	7.34	30	29.0-86.0
3,3'-Dichlorobenzidine	BQL	250	463	185	222	393	177	4.70	30	10.0-383
2,4-Dichlorophenol	BQL	250	200	80.2	222	174	78.2	2.52	30	61.0-97.0
Diethylphthalate	BQL	250	221	88.5	222	195	87.7	0.908	30	65.0-102
2,4-Dimethylphenol	BQL	250	149	59.6	222	119	53.5	10.8	30	29.0-110
Dimethylphthalate	BQL	250	212	84.8	222	187	84.2	0.710	30	61.0-100
4,6-Dinitro-2-methylphenol	BQL	250	167	67.0	222	144	64.6	3.65	30	46.0-104
2,4-Dinitrophenol	BQL	250	155	62.1	222	131	59.0	5.12	30	47.0-109
2,4-Dinitrotoluene	BQL	250	215	86.1	222	187	84.1	2.35	30	63.0-103
2,6-Dinitrotoluene	BQL	250	215	85.9	222	186	83.9	2.36	30	61.0-101
Fluoranthene	BQL	250	205	81.9	222	180	80.8	1.35	30	49.0-109
Fluorene	BQL	250	223	89.1	222	192	86.2	3.31	30	58.0-108
Hexachlorobenzene	BQL	250	213	85.3	222	188	84.4	1.06	30	38.0-114

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.

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.: G161-2262-1L

COMPOUND	SAMPLE CONC (µg/L)	MS SPIKE (µg/L)	MS CONC (µg/L)	MS % REC #	MSD SPIKE (µg/L)	MSD CONC (µg/L)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
Hexachlorobutadiene	BQL	250	179	71.6	222	151	68.0	5.16	30	26.0-95.0
Hexachlorocyclopentadiene	BQL	250	86.8	34.7	222	60.9	27.4	23.5	30	10.0-113
Hexachloroethane	BQL	250	134	53.6	222	112	50.2	6.55	30	15.0-96.0
Indeno(1,2,3-c,d)pyrene	BQL	250	199	79.5	222	180	81.0	1.87	30	34.0-111
Isophorone	BQL	250	250	100	222	219	98.5	1.61	30	65.0-112
1-Methylnaphthalene	BQL	250	210	83.9	222	182	81.8	2.53	30	48.0-121
2-Methylnaphthalene	BQL	250	181	72.4	222	155	69.7	3.80	30	45.0-121
2-Methylphenol	BQL	250	192	76.8	222	162	72.9	5.21	30	62.0-99.0
4-Methylphenol	BQL	500	320	64.0	444	274	61.6	3.66	30	51.0-102
N-Nitrosodi-n-propylamine	BQL	250	188	75.2	222	159	71.4	5.18	30	67.0-107
Diphenylamine	BQL	250	326	130 *	222	285	128 *	1.47	30	24.0-114
Naphthalene	BQL	250	193	77.3	222	169	75.9	1.83	30	25.0-131
2-Nitroaniline	BQL	250	126	50.3 *	222	100	45.0 *	11.1	30	54.0-135
3-Nitroaniline	BQL	250	202	80.8	222	167	75.3	7.05	30	10.0-594
4-Nitroaniline	BQL	250	126	50.2	222	81.8	36.8	30.8 *	30	30.0-153
Nitrobenzene	BQL	250	244	97.6	222	210	94.5	3.23	30	57.0-98.0
2-Nitrophenol	BQL	250	175	69.9	222	149	67.1	4.09	30	50.0-97.0
4-Nitrophenol	BQL	250	231	92.4	222	197	88.5	4.31	30	49.0-146
Pentachlorophenol	BQL	250	212	84.7	222	180	81.0	4.46	30	43.0-106
Phenanthrene	BQL	250	204	81.5	222	182	81.8	0.367	30	53.0-108
Phenol	BQL	250	206	82.2	222	177	79.6	3.21	30	61.0-100
Pyrene	BQL	250	218	87.0	222	203	91.2	4.71	30	41.0-123
1,2,4-Trichlorobenzene	BQL	250	184	73.8	222	160	71.8	2.75	30	41.0-96.0
2,4,5-Trichlorophenol	BQL	250	204	81.6	222	176	79.3	2.86	30	62.0-100
2,4,6-Trichlorophenol	BQL	250	202	81.0	222	173	77.7	4.16	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: 4 out of 144 outside of limits

COMMENTS: _____

Paradigm Analytical Laboratories, INC.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB4148

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab File ID: 1212627.D Lab Sample ID: PB4148

Instrument ID: MSD6 Date Extracted: 12/09/05

Matrix: (soil/water) WATER Date Analyzed: 12/13/05

Level: (low/med) LOW Time Analyzed: 01:59

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	G161-2262-1M MS	G161-2262-1M MS	1212629.D	12/13 03:09
02	G161-2262-1N MSD	G161-2262-1N MSD	1212630.D	12/13 03:44
03	MMW5	G161-2262-1L	1212632.D	12/13 04:54
04	MDW1	G161-2262-2L	1212633.D	12/13 05:29
05	MMW4	G161-2262-3N	1212634.D	12/13 06:04
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COMMENTS: _____

Paradigm Analytical Laboratories, INC.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab File ID: 1212601.D DFTPP Injection Date: 12/12/05

Instrument ID: MSD6 DFTPP Injection Time: 08:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	47.9
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	48.4
70	Less than 2.0% of mass 69	0.0
127	40.0 - 60.0% of mass 198	46.7
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	6.7
275	10.0 - 30.0% of mass 198	22.0
365	Greater than 0.75% of mass 198	2.4
441	Present, but less than mass 443	83.2
442	40.0 - 100.0% of mass 198	70.4
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	SVCAL48	SVCAL48	1212602.D	12/12/05	09:40
02	SVCAL01	SVCAL01	1212603.D	12/12/05	10:15
03	SVCAL02	SVCAL02	1212604.D	12/12/05	11:31
04	SVCAL04	SVCAL04	1212605.D	12/12/05	12:07
05	SVCAL06	SVCAL06	1212606.D	12/12/05	14:14
06	SVCAL08	SVCAL08	1212607.D	12/12/05	14:50
07	SVCAL12	SVCAL12	1212608.D	12/12/05	15:26
08	SVCAL24	SVCAL24	1212609.D	12/12/05	16:01
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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: 1212611.D DFTPP Injection Date: 12/12/05

Instrument ID: MSD6 DFTPP Injection Time: 16:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	45.7
68	Less than 2.0% of mass 69	0.5
69	Mass 69 relative abundance	47.6
70	Less than 2.0% of mass 69	0.5
127	40.0 - 60.0% of mass 198	46.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	22.4
365	Greater than 0.75% of mass 198	2.6
441	Present, but less than mass 443	84.3
442	40.0 - 100.0% of mass 198	75.6
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	SVCVS06	SVCVS06	1212613.D	12/12/05	17:41
02	PB4148	PB4148	1212627.D	12/13/05	01:59
03	LCS4148	LCS4148	1212628.D	12/13/05	02:34
04	G161-2262-1M MS	G161-2262-1M MS	1212629.D	12/13/05	03:09
05	G161-2262-1N MSD	G161-2262-1N MSD	1212630.D	12/13/05	03:44
06	MMW5	G161-2262-1L	1212632.D	12/13/05	04:54
07	MDW1	G161-2262-2L	1212633.D	12/13/05	05:29
08	MMW4	G161-2262-3N	1212634.D	12/13/05	06:04
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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: MSD6 Calibration Date(s): 12/12/05

Calibration Times: 09:40

LAB FILE ID: RRF1.0 = 1212603.D RRF2.0 = 1212604.D RRF4.0 = 1212605.D RRF6.0 = 1212606.D

RRF8.0 = 1212607.D RRF12.0 = 1212608.D RRF24.0 = 1212609.D RRF48.0 = 1212602.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	1.62	1.72	1.83	1.95	1.81	1.49	1.59	1.41	1.68	10.9
N-Nitrosodimethylamine	0.948	1.00	1.04	1.15	1.04	1.12	1.02	0.732	1.01	12.7
Phenol	2.14	2.18	2.11	2.24	2.03	2.12	1.94	1.90	2.08	5.64
Bis(2-chloroethyl)ether	1.86	1.90	1.83	1.92	1.77	1.78	1.59	1.55	1.78	7.78
2-Chlorophenol	1.52	1.51	1.47	1.59	1.45	1.54	1.42	1.43	1.49	3.98
Benzyl Alcohol	0.881	1.03	1.04	1.12	0.914	0.998	0.922	0.862	0.970	9.18
1,3-Dichlorobenzene	1.55	1.57	1.50	1.64	1.50	1.56	1.45	1.41	1.52	4.60
1,4-Dichlorobenzene	1.65	1.58	1.54	1.67	1.50	1.60	1.46	1.43	1.55	5.59
1,2-Dichlorobenzene	1.48	1.45	1.40	1.50	1.37	1.44	1.32	1.24	1.40	6.12
2-Methylphenol	1.25	1.29	1.25	1.37	1.23	1.32	1.23	1.23	1.27	4.09
3-, 4-Methylphenol	1.75	1.86	1.81	1.90	1.76	1.86	1.74	1.75	1.80	3.36
Bis(2-chloroisopropyl)ether	3.19	3.09	2.98	3.24	2.89	3.03	2.70	2.57	2.96	7.84
N-Nitrosodi-n-propylamine	1.04	1.06	1.02	1.07	0.966	1.03	0.949	0.948	1.01	4.89
Hexachloroethane	0.575	0.597	0.589	0.639	0.576	0.606	0.559	0.550	0.586	4.82
2-Fluorophenol (surr)	1.20	1.36	1.33	1.43	1.33	1.41	1.28	1.25	1.32	5.98
Phenol-d6 (surr)	2.00	2.08	2.00	2.15	1.96	2.09	1.94	1.90	2.02	4.18
Nitrobenzene	0.473	0.487	0.470	0.505	0.453	0.484	0.430	0.403	0.463	7.12
Isophorone	0.693	0.706	0.678	0.733	0.658	0.694	0.646	0.639	0.681	4.69
2-Nitrophenol	0.229	0.217	0.188	0.193	0.176	0.188	0.179	0.174	0.193	10.4
2,4-Dimethylphenol	0.265	0.274	0.265	0.281	0.256	0.276	0.261	0.257	0.267	3.42
Benzoic Acid	0.152	0.168	0.168	0.180	0.179	0.197	0.210	0.216	0.184	12.1
Bis(2-chloroethoxy)methane	0.497	0.511	0.485	0.513	0.464	0.486	0.442	0.425	0.478	6.68
2,4-Dichlorophenol	0.234	0.263	0.261	0.279	0.255	0.266	0.259	0.257	0.259	4.91
1,2,4-Trichlorobenzene	0.296	0.306	0.292	0.317	0.282	0.298	0.275	0.266	0.292	5.65
Naphthalene	1.04	1.04	0.997	1.06	0.952	1.01	0.921	0.858	0.984	7.04
4-Chloroaniline	0.123	0.128	0.127	0.133	0.121	0.128	0.118	0.113	0.124	5.34
Hexachlorobutadiene	0.161	0.166	0.159	0.174	0.153	0.164	0.154	0.145	0.159	5.62
4-Chloro-3-methylphenol	0.301	0.327	0.319	0.347	0.311	0.336	0.311	0.310	0.320	4.77
2-Methylnaphthalene	0.689	0.710	0.683	0.739	0.654	0.698	0.641	0.597	0.676	6.55
Nitrobenzene-d5 (surr)	0.176	0.177	0.171	0.185	0.167	0.180	0.165	0.160	0.173	4.82
Hexachlorocyclopentadiene	0.089	0.115	0.109	0.118	0.118	0.119	0.126	0.128	0.115	10.5
2,4,6-Trichlorophenol	0.367	0.381	0.359	0.382	0.357	0.369	0.359	0.350	0.366	3.12
2,4,5-Trichlorophenol	0.350	0.377	0.368	0.388	0.355	0.364	0.357	0.346	0.363	3.88
2-Chloronaphthalene	1.18	1.20	1.13	1.24	1.12	1.17	1.10	0.980	1.14	6.92
2-Nitroaniline	0.378	0.388	0.351	0.367	0.322	0.346	0.364	0.305	0.353	7.98

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Instrument ID: MSD6 Calibration Date(s): 12/12/05

Calibration Times: 09:40

LAB FILE ID: RRF1.0 = 1212603.D RRF2.0 = 1212604.D RRF4.0 = 1212605.D RRF6.0 = 1212606.D

RRF8.0 = 1212607.D RRF12.0 = 1212608.D RRF24.0 = 1212609.D RRF48.0 = 1212602.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		0.025	0.024	0.026	0.023	0.026	0.026	0.023	0.025	5.62
1-Methylnaphthalene	1.18	1.21	1.14	1.25	1.12	1.17	1.07	0.958	1.14	8.01
Dimethylphthalate	1.33	1.35	1.30	1.40	1.28	1.32	1.25	1.18	1.30	5.17
Acenaphthylene	1.46	1.53	1.43	1.55	1.37	1.39	1.20	0.962	1.36	14.3
2,6-Dinitrotoluene	0.270	0.297	0.287	0.310	0.278	0.294	0.284	0.268	0.286	4.96
Acenaphthene	1.08	1.09	1.04	1.12	1.01	1.06	0.996	0.893	1.04	6.85
2,4-Dinitrophenol	0.108	0.129	0.127	0.139	0.132	0.137	0.146	0.139	0.132	8.78
4-Nitrophenol		0.123	0.133	0.140	0.141	0.137	0.139	0.142	0.137	4.82
Dibenzofuran	1.66	1.68	1.60	1.67	1.52	1.58	1.46	1.28	1.56	8.71
2,4-Dinitrotoluene	0.342	0.364	0.351	0.369	0.337	0.348	0.331	0.302	0.343	6.11
Fluorene	1.20	1.27	1.22	1.30	1.17	1.22	1.17	0.976	1.19	8.26
Diethylphthalate	1.21	1.25	1.19	1.28	1.16	1.20	1.12	1.01	1.18	7.02
4-Chlorophenyl phenyl ether	0.623	0.631	0.599	0.654	0.591	0.610	0.583	0.491	0.598	8.16
4-Nitroaniline		0.07	0.084	0.087	0.085	0.077	0.073		0.079	8.90
2-Fluorobiphenyl (surr)	1.38	1.37	1.30	1.40	1.27	1.32	1.23	1.09	1.30	7.79
2,4,6-Tribromophenol (surr)	0.096	0.107	0.108	0.116	0.106	0.114	0.121	0.120	0.111	7.66
4,6-Dinitro-2-methylphenol	0.100	0.124	0.123	0.138	0.128	0.139	0.142	0.138	0.129	10.7
Diphenylamine	0.473	0.409	0.339	0.371	0.365				0.392	13.3
4-bromophenyl phenyl ether	0.226	0.220	0.217	0.239	0.216	0.233	0.212	0.186	0.219	7.39
Hexachlorobenzene	0.212	0.196	0.191	0.221	0.198	0.215	0.207	0.198	0.205	5.20
Pentachlorophenol	0.099	0.114	0.117	0.135	0.127	0.132	0.142	0.141	0.126	12.0
Phenanthrene	1.17	1.18	1.13	1.20	1.09	1.15	1.12	0.985	1.13	5.97
Carbazole	0.816	0.878	0.838	0.817	0.709	0.631			0.781	11.8
Anthracene	1.10	1.11	1.05	1.13	1.01	1.08	1.03	0.887	1.05	7.37
Azobenzene	1.24	1.19	1.15	1.25	1.13	1.17	1.07	0.944	1.14	8.84
Di-n-Butylphthalate	1.47	1.45	1.37	1.54	1.36	1.42	1.30	1.14	1.38	8.68
Fluoranthene	1.23	1.27	1.21	1.26	1.13	1.19	1.17	1.02	1.18	6.82
alpha-BHC	0.160	0.156	0.150	0.169	0.152	0.156	0.140	0.123	0.151	9.28
beta-BHC	0.116	0.123	0.122	0.139	0.126	0.132	0.124	0.112	0.124	6.84
gamma-BHC	0.127	0.134	0.127	0.142	0.128	0.133	0.123	0.112	0.128	6.79
delta-BHC	0.112	0.119	0.114	0.128	0.116	0.120	0.111	0.096	0.114	7.97
Heptachlor	0.180	0.188	0.182	0.208	0.188	0.191	0.175	0.150	0.183	8.96
Aldrin	0.256	0.246	0.229	0.255	0.226	0.229	0.203	0.168	0.226	13.0
Heptachlor Epoxide	0.043	0.049	0.048	0.055	0.051	0.055	0.055	0.053	0.051	8.47
Endosulfan I	0.038	0.044	0.043	0.049	0.043	0.044	0.036	0.03	0.041	14.3

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Instrument ID: MSD6 Calibration Date(s): 12/12/05

Calibration Times: 09:40

LAB FILE ID: RRF1.0 = 1212603.D RRF2.0 = 1212604.D RRF4.0 = 1212605.D RRF6.0 = 1212606.D

RRF8.0 = 1212607.D RRF12.0 = 1212608.D RRF24.0 = 1212609.D RRF48.0 = 1212602.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	0.246	0.251	0.237	0.264	0.238	0.252	0.239	0.212	0.243	6.28
Dieldrin	0.295	0.292	0.274	0.298	0.268	0.271	0.242	0.214	0.269	10.7
Endrin	0.024	0.036	0.036	0.04	0.036	0.038	0.037	0.034	0.035	14.0
4,4'-DDD	0.455	0.462	0.436	0.480	0.429	0.443	0.406	0.340	0.431	9.94
Endosulfan Sulfate	0.048	0.055	0.053	0.06	0.051	0.053	0.042		0.052	11.0
4,4'-DDT	0.455	0.462	0.436	0.480	0.429	0.443	0.406	0.340	0.431	9.94
Endrin Ketone	0.032	0.039	0.039	0.047	0.042	0.045	0.043	0.041	0.041	10.9
Methoxychlor	0.633	0.699	0.684	0.739	0.668	0.720	0.712	0.615	0.684	6.30
Pyrene	1.77	1.69	1.60	1.76	1.55	1.60	1.40	1.22	1.57	11.9
Butylbenzylphthalate	0.792	0.823	0.793	0.891	0.797	0.822	0.741	0.702	0.795	7.09
Benzo[a]anthracene	1.27	1.31	1.24	1.36	1.22	1.32	1.30	1.20	1.28	4.20
3,3'-Dichlorobenzidine			0.026	0.035	0.038	0.062	0.109	0.102	0.062	57.5
Chrysene	1.20	1.23	1.21	1.29	1.17	1.24	1.24	1.12	1.21	4.22
Bis(2-ethylhexyl)phthalate	1.20	1.17	1.13	1.26	1.13	1.15	1.03	0.939	1.12	8.91
4-Terphenyl-d14 (surr)	1.12	1.10	1.06	1.18	1.04	1.10	1.06	0.977	1.08	5.48
Di-n-octylphthalate	4.72	4.32	4.22	4.68	4.08	4.11	3.55	3.29	4.12	12.1
Benzo[b]fluoranthene	2.41	2.35	2.40	2.62	2.32	2.44	2.42	2.54	2.44	4.02
Benzo[k]fluoranthene	2.32	2.36	2.24	2.45	2.28	2.40	2.23	1.97	2.28	6.42
Benzo[a]pyrene	1.85	1.89	1.85	2.06	1.92	2.03	1.99	1.93	1.94	4.12
Indeno(1,2,3-c,d)pyrene	1.08	1.18	1.11	1.29	1.33	1.38	1.43	1.46	1.28	11.3
Dibenzo[a,h]anthracene	0.924	1.08	1.04	1.21	1.24	1.30	1.37	1.36	1.19	13.5
Benzo[g,h,i]perylene	1.16	1.28	1.18	1.37	1.39	1.45	1.46	1.39	1.33	8.64

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Instrument ID: MSD6 Calibration Date: 12/12/05 Time: 17:41

Lab File ID: 1212613.D Init. Calib. Date: 12/12/05

EPA Sample No.: SVCVS06 Init. Calib. Time: 09:40

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

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
1,2,4-Trichlorobenzene	0.292	0.319		-9.2	
1,2-Dichlorobenzene	1.40	1.505		-7.5	
1,3-Dichlorobenzene	1.52	1.626		-6.8	
1,4-Dichlorobenzene	1.55	1.663		-6.9	20.0
1,4-Dichlorobenzene-D4	1.00	1.000		0.0	
1-Methylnaphthalene	1.14	1.245		-9.3	
2,4,5-Trichlorophenol	0.363	0.375		-3.3	
2,4,6-Trichlorophenol	0.366	0.384		-4.9	20.0
2,4-Dichlorophenol	0.259	0.273		-5.4	20.0
2,4-Dimethylphenol	0.267	0.287		-7.5	
2,4-Dinitrophenol	0.132	0.145	0.050	-9.8	
2,4-Dinitrotoluene	0.343	0.374		-9.0	
2,6-Dinitrotoluene	0.286	0.303		-5.9	
2-Chloronaphthalene	1.14	1.235		-8.2	
2-Chlorophenol	1.49	1.592		-6.8	
2-Methylnaphthalene	0.676	0.737		-9.0	
2-Methylphenol	1.27	1.374		-8.0	
2-Nitroaniline	0.353	0.404		-14.4	
2-Nitrophenol	0.193	0.197		-2.1	20.0
3-, 4-Methylphenol	1.80	1.954		-8.3	
3-Nitroaniline	0.025	0.026#		-4.0	
4,6-Dinitro-2-methylphenol	0.129	0.142		-10.1	
4-bromophenyl phenyl ether	0.219	0.236		-7.8	
4-Chloro-3-methylphenol	0.320	0.334		-4.4	20.0
4-Chloroaniline	0.124	0.136		-9.7	
4-Chlorophenyl phenyl ether	0.598	0.646		-8.0	
4-Nitroaniline	0.079	0.110		-39.2	
4-Nitrophenol	0.137	0.138	0.050	-0.7	
Acenaphthene	1.04	1.106		-6.8	20.0
Acenaphthene-d10	1.00	1.000		0.0	
Acenaphthylene	1.36	1.529		-12.3	
Aldrin	0.226	0.243		-7.5	
alpha-BHC	0.151	0.162		-7.3	
Anthracene	1.05	1.142		-8.9	
Benzoic Acid	0.184	0.202		-9.8	
Benzo[a]anthracene	1.28	1.347		-5.4	
Benzo[a]pyrene	1.94	2.090		-7.7	20.0
Benzo[b]fluoranthene	2.44	2.585		-6.0	
Benzo[k]fluoranthene	2.28	2.481		-8.8	
Benzyl Alcohol	0.970	1.017		-4.8	

Paradigm Analytical Laboratories, INC.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Instrument ID: MSD6 Calibration Date: 12/12/05 Time: 17:41

Lab File ID: 1212613.D Init. Calib. Date: 12/12/05

EPA Sample No.: SVCVS06 Init. Calib. Time: 09:40

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

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
beta-BHC	0.124	0.134		-8.1	
Bis(2-chloroethoxy)methane	0.478	0.520		-8.8	
Bis(2-chloroethyl)ether	1.775	1.937		-9.1	
Bis(2-chloroisopropyl)ether	2.961	3.160		-6.7	
Bis(2-ethylhexyl)phthalate	1.125	1.152		-2.4	
Butylbenzylphthalate	0.795	0.827		-4.0	
Carbazole	0.781	0.934		-19.6	
Chrysene	1.212	1.316		-8.6	
Chrysene-D12	1.000	1.000		0.0	
delta-BHC	0.114	0.126		-10.5	
Di-n-Butylphthalate	1.382	1.458		-5.5	
Di-n-octylphthalate	4.122	4.329		-5.0	20.0
Dibenzofuran	1.557	1.700		-9.2	
Dibenzo[a,h]anthracene	1.191	1.177		1.2	
Dieldrin	0.269	0.286		-6.3	
Diethylphthalate	1.177	1.271		-8.0	
Dimethylphthalate	1.301	1.391		-6.9	
Diphenylamine	0.392	0.362		7.7	
Endosulfan I	0.041	0.047#		-14.6	
Endosulfan II	0.000	0.000#		0.0	
Endosulfan Sulfate	0.052	0.059		-13.5	
Endrin	0.035	0.039#		-11.4	
Endrin Aldehyde	0.000	0.000#		0.0	
Endrin Ketone	0.041	0.044#		-7.3	
Fluoranthene	1.185	1.288		-8.7	20.0
Fluorene	1.191	1.304		-9.5	
gamma-BHC	0.128	0.139		-8.6	
Heptachlor	0.183	0.198		-8.2	
Heptachlor Epoxide	0.051	0.054		-5.9	
Hexachlorobenzene	0.205	0.212		-3.4	
Hexachlorobutadiene	0.159	0.177		-11.3	20.0
Hexachlorocyclopentadiene	0.115	0.126	0.050	-9.6	
Hexachloroethane	0.586	0.631		-7.7	
Indeno(1,2,3-c,d)pyrene	1.281	1.297		-1.2	
Isophorone	0.681	0.731		-7.3	
Methoxychlor	0.684	0.734		-7.3	
N-Nitrosodi-n-propylamine	1.011	1.081		-6.9	
N-Nitrosodimethylamine	1.007	1.119		-11.1	
Naphthalene	0.984	1.073		-9.0	
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: 12/12/05 Time: 17:41

Lab File ID: 1212613.D Init. Calib. Date: 12/12/05

EPA Sample No.: SVCVS06 Init. Calib. Time: 09:40

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

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
Nitrobenzene	0.463	0.508		-9.7	
Pentachlorophenol	0.126	0.135		-7.1	20.0
Perylene-D12	1.000	1.000		0.0	
Phenanthrene	1.128	1.212		-7.4	
Phenanthrene-D10	1.000	1.000		0.0	
Phenol	2.082	2.267		-8.9	20.0
Pyrene	1.575	1.687		-7.1	
Pyridine	1.678	1.914		-14.1	
2,4,6-Tribromophenol	0.111	0.119		-7.2	
2-Fluorobiphenyl	1.30	1.382		-6.6	
2-Fluorophenol	1.32	1.425		-7.6	
4-Terphenyl-d14	1.08	1.135		-5.2	
Nitrobenzene-d5	0.173	0.186		-7.5	
Phenol-d6	2.02	2.179		-8.1	

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.: SVCVS06 Date Analyzed: 12/12/05

Lab File ID (Standard): 1212613.D Time Analyzed: 17:41

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	187807	7.23	770615	9.17	418399	11.96
	UPPER LIMIT	375614	7.73	1541230	9.67	836798	12.46
	LOWER LIMIT	93904	6.73	385308	8.67	209200	11.46
	EPA SAMPLE						
01	G161-2262-1M MS	158579	7.23	651535	9.16	340281	11.96
02	G161-2262-1N MSD	159241	7.24	645393	9.16	337637	11.95
03	MMW5	169486	7.23	698741	9.16	360836	11.95
04	LCS4148	141919	7.24	568707	9.16	297263	11.95
05	PB4148	193516	7.26	802787	9.16	395814	11.95
06	MDW1	160327	7.23	645436	9.16	327645	11.95
07	MMW4	152515	7.23	622709	9.16	315376	11.95
08							
09							
10							
11							
12							
13							
14							
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19							
20							
21							
22							
23							
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

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.: SVCVS06 Date Analyzed: 12/12/05
Lab File ID (Standard): 1212613.D Time Analyzed: 17:41
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	614961	14.34	468368	18.61	215057	20.97
	UPPER LIMIT	1229922	14.84	936736	19.11	430114	21.47
	LOWER LIMIT	307481	13.84	234184	18.11	107529	20.47
	EPA SAMPLE						
01	G161-2262-1M MS	501648	14.34	373187	18.6	174865	20.97
02	G161-2262-1N MSD	491819	14.34	348616	18.6	162236	20.97
03	MMW5	533391	14.34	389982	18.59	169738	20.97
04	LCS4148	441241	14.34	336053	18.6	170054	20.97
05	PB4148	520125	14.34	450561	18.6	192029	20.97
06	MDW1	468346	14.34	334237	18.59	146806	20.97
07	MMW4	448168	14.34	330236	18.59	157024	20.97
08							
09							
10							
11							
12							
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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

Paradigm Analytical Laboratories, INC.

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: LCS4148
Sample wt/vol: 5 (mL) Lab File ID: 1212628.D
Level: (low/med) LOW
% Moisture: NA Decanted:(Y/N) NA Date Analyzed: 12/13/05 02:34
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	87.5	87.5	61.6-101
208-96-8	Acenaphthylene	100	104	104	66.1-116
120-12-7	Anthracene	100	86.5	86.5	48.7-94.6
56-55-3	Benzo[a]anthracene	100	88.0	88.0	67.4-101
50-32-8	Benzo[a]pyrene	100	85.7	85.7	41.6-102
205-99-2	Benzo[b]fluoranthene	100	85.9	85.9	37.4-108
191-24-2	Benzo[g,h,i]perylene	100	99.0	99.0	42.0-113
207-08-9	Benzo[k]fluoranthene	100	86.1	86.1	29.6-126
65-85-0	Benzoic Acid	100	67.9	67.9	29.5-107
100-51-6	Benzyl Alcohol	100	83.9	83.9	61.6-98.5
111-91-1	Bis(2-chloroethoxy)methane	100	82.8	82.8	56.4-10.0
111-44-4	Bis(2-chloroethyl)ether	100	77.0	77.0	44.6-93.2
108-60-1	Bis(2-chloroisopropyl)ether	100	74.5	74.5	53.5-102
117-81-7	Bis(2-ethylhexyl)phthalate	100	86.4	86.4	47.2-121
101-55-3	4-bromophenyl phenyl ether	100	86.8	86.8	42.1-110
85-68-7	Butylbenzylphthalate	100	86.6	86.6	52.8-120
106-47-8	4-Chloroaniline	100	80.0	80.0	10.0-248
59-50-7	4-Chloro-3-methylphenol	100	81.0	81.0	64.3-128
91-58-7	2-Chloronaphthalene	100	85.8	85.8	59.0-100
95-57-8	2-Chlorophenol	100	78.8	78.8	56.9-93.4
7005-72-3	4-Chlorophenyl phenyl ether	100	89.0	89.0	64.4-106
218-01-9	Chrysene	100	89.7	89.7	65.8-106
84-74-2	Di-n-Butylphthalate	100	90.1	90.1	61.8-110
117-84-0	Di-n-octylphthalate	100	76.9	76.9	21.0-118
53-70-3	Dibenzo[a,h]anthracene	100	100	100	40.6-112
132-64-9	Dibenzofuran	100	83.0	83.0	69.2-103
95-50-1	1,2-Dichlorobenzene	100	59.0	59.0	24.2-91.0
541-73-1	1,3-Dichlorobenzene	100	53.4	53.4	18.0-84.5
106-46-7	1,4-Dichlorobenzene	100	55.5	55.5	20.6-82.8
91-94-1	3,3'-Dichlorobenzidine	100	251	251	10.0-360
120-83-2	2,4-Dichlorophenol	100	82.7	82.7	57.9-96.6
84-66-2	Diethylphthalate	100	91.8	91.8	65.8-102
105-67-9	2,4-Dimethylphenol	100	67.7	67.7	18.2-110
131-11-3	Dimethylphthalate	100	87.5	87.5	60.2-99.5
534-52-1	4,6-Dinitro-2-methylphenol	100	69.2	69.2	40.4-103
51-28-5	2,4-Dinitrophenol	100	61.9	61.9	40.5-106
121-14-2	2,4-Dinitrotoluene	100	87.2	87.2	63.7-116
606-20-2	2,6-Dinitrotoluene	100	87.6	87.6	61.6-99.2
206-44-0	Fluoranthene	100	85.6	85.6	64.0-103
86-73-7	Fluorene	100	92.4	92.4	67.2-102
118-74-1	Hexachlorobenzene	100	88.4	88.4	45.0-112

Paradigm Analytical Laboratories, INC.

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: LCS4148

Sample wt/vol: 5 (mL) Lab File ID: 1212628.D

Level: (low/med) LOW

% Moisture: NA Decanted:(Y/N) NA Date Analyzed: 12/13/05 02:34

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	72.2	72.2	26.0-94.3
77-47-4	Hexachlorocyclopentadiene	100	32.9	32.9	10.0-126
67-72-1	Hexachloroethane	100	46.9	46.9	10.0-89.9
193-39-5	Indeno(1,2,3-c,d)pyrene	100	93.5	93.5	42.8-105
78-59-1	Isophorone	100	103	103	62.3-112
90-12-0	1-Methylnaphthalene	100	86.3	86.3	58.1-105
91-57-6	2-Methylnaphthalene	100	74.3	74.3	57.9-103
95-48-7	2-Methylphenol	100	78.0	78.0	58.9-96.1
108-39-4	4-Methylphenol	200	129	64.4	48.4-99.9
621-64-7	N-Nitrosodi-n-propylamine	100	71.2	71.2	62.6-108
86-30-6	Diphenylamine	100	141	141	10.0-214
91-20-3	Naphthalene	100	79.1	79.1	46.1-10.0
88-74-4	2-Nitroaniline	100	95.0	95.0	68.9-121
99-09-2	3-Nitroaniline	100	85.8	85.8	10.0-649
100-01-6	4-Nitroaniline	100	159	159*	50.1-137
98-95-3	Nitrobenzene	100	82.1	82.1	52.4-97.2
88-75-5	2-Nitrophenol	100	66.8	66.8	49.9-93.7
100-02-7	4-Nitrophenol	100	94.1	94.1	53.7-143
87-86-5	Pentachlorophenol	100	82.9	82.9	31.0-102
85-01-8	Phenanthrene	100	84.5	84.5	59.5-107
108-95-2	Phenol	100	77.4	77.4	57.4-99.5
129-00-0	Pyrene	100	89.3	89.3	44.1-124
120-82-1	1,2,4-Trichlorobenzene	100	76.1	76.1	37.6-97.9
95-95-4	2,4,5-Trichlorophenol	100	81.7	81.7	59.4-96.8
88-06-2	2,4,6-Trichlorophenol	100	82.1	82.1	57.6-94.8

Results for Metals

Client Sample ID:	MMW5	Analyzed By:	RML
Client Project ID:	Martin Site	Date Collected:	12/7/2005 10:00
Lab Sample ID:	G161-2262-1	Date Received:	12/8/05
Lab Project ID:	G161-2262	Matrix:	WATER
Batch ID:	4155		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	12/12/05	

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

Reviewed By:
MET_EMS_3 9b

Results for Metals

Client Sample ID:	MDW1	Analyzed By:	RML
Client Project ID:	Martin Site	Date Collected:	12/7/2005 11:00
Lab Sample ID:	G161-2262-2	Date Received:	12/8/05
Lab Project ID:	G161-2262	Matrix:	WATER
Batch ID:	4155		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**7.67**	5.00	0.470	25	UG/L	6020	12/12/05	

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

Reviewed By: _____
MET_LIMS_3.9b

Results for Metals

Client Sample ID:	MMW4	Analyzed By:	RML
Client Project ID:	Martin Site	Date Collected:	12/7/2005 11:22
Lab Sample ID:	G161-2262-3	Date Received:	12/8/05
Lab Project ID:	G161-2262	Matrix:	WATER
Batch ID:	4155		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	**5.42**	5.00	0.470	25	UG/L	6020	12/12/05	

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

Reviewed By: _____
MET_LIMS_3.9b

PARADIGM ANALYTICAL LABORATORIES, INC

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name Paradigm Analytical Initial Cal Source Environmental Express

Batch ID: 121205a MS Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	200	199 43	99.7	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	4915.31	98.3	500			500			90-110
Chromium	10	10.05	100.5	5	5.00	100.0	5	5.01	100.1	90-110
Cobalt	50			5			5			90-110
Copper	25			5			5			90-110
Iron	100	107.78	107.8	500	0.01	0 0	500			90-110
Lead	5	4.98	99.5	5	4.95	99.0	5	5.07	101.3	90-110
Magnesium	5000	5050.56	101.0	500			500			90-110
Manganese	15			5			5			90-110
Nickel	40			5			5			90-110
Potassium	5000	5119.09	102.4	500			500			90-110
Selenium	5			5			5			90-110
Silver	10			5			5			90-110
Sodium	5000	5057.59	101.2	500			500			90-110
Thallium	10			5			5			90-110
Vanadium	50			5			5			90-110
Zinc	20			50			50			90-110

Comments

FORM IIA - METALS

PARADIGM ANALYTICAL LABORATORIES, INC.

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: Paradigm Analytical Initial Cal Source Environmental Express

Batch ID: 121205a MS Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV ( )			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC
Aluminum	200	199.43	99.7	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	4915 31	98.3	500			500			90-110
Chromium	10	10.05	100.5	5	5.00	99.9	5			90-110
Cobalt	50			5			5			90-110
Copper	25			5			5			90-110
Iron	100	107.78	107.8	500			500			90-110
Lead	5	4.98	99 5	5	5.04	100.7	5			90-110
Magnesium	5000	5050.56	101.0	500			500			90-110
Manganese	15			5			5			90-110
Nickel	40			5			5			90-110
Potassium	5000	5119 09	102.4	500	0.88	0 2	500			90-110
Selenium	5			5			5			90-110
Silver	10			5			5			90-110
Sodium	5000	5057.59	101.2	500			500			90-110
Thallium	10			5			5			90-110
Vanadium	50			5			5			90-110
Zinc	20			50			50			90-110

Comments:

FORM IIA - METALS

3
BLANKS

Lab Name: Paradigm Analytical)

Batch ID: 121205a MS

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C	3	C		C		
Aluminum	10	U	10	U	10	U				
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium	10	U	10	U	10	U				
Chromium	0.1	U	0.1	U	0.1	U				
Cobalt										
Copper										
Iron	10	U	10	U	10	U				
Lead	0.1	U	0.1	U	0.1	U				
Magnesium	10	U	10	U	10	U				
Manganese										
Mercury										
Nickel										
Potassium	10	U	10	U	10	U				
Selenium										
Silver										
Sodium	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: 121205a 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	5141.91	5100.43	102.0	5042.43	5074.73	101.5
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	5015.83	4995.95	99.9	4978.98	5017.38	100.3
Chromium	0	3	-0.058	2.849	95.0	-0.035	2.867	95.6
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	4974.83	4961.81	99.2	4897.33	4927.96	98.6
Lead	0	3	-0.003	2.99	99.7	-0.003	2.97	99.0
Magnesium	5000	5000	5112.69	5100.32	102.0	5019.31	5058.84	101.2
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	5184.36	5141.75	n/a	5150.1	5149.81	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	5184.46	5148.16	n/a	5050.02	5070.08	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 Metals

Client Sample ID:	Lab Blank	Analyzed By:	RML
Client Project ID:		Date Collected:	
Lab Sample ID:	pb4155	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	4155		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	12/12/05	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL
Samples Prepared by 3030C

Reviewed By: PrepBlank

MS/MSD Results for METALS

Lab ID: G128-1651-5
MS Lab ID: G128-1651-5
MSD Lab ID: G128-1651-5
ICP Batch: 4155
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	0.365	91.3		0.400	0.392	98.0		75	125	7.13		20

Comments

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

Reviewed By:

METALS Results for LCS/LCD

ICP Batch: 4155
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	0.400	0.361	90.2	0.354	88.5	80	120	1.96	20

Reviewed By:

Results for Organics
by EPA 504.1

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1P
Lab Project ID: G161-2262

Analyzed By: DCS
Date Collected: 12/7/2005 10:00
Date Received: 12/8/2005 10:00
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0 0194	1	12/14/2005

Reviewed By

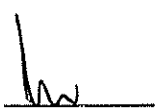
8011_LIMS_1 34 XLS

Results for Organics
by EPA 504.1

Client Sample ID: MDW1
Client Project ID: Martin Site
Lab Sample ID: G161-2262-2N
Lab Project ID: G161-2262

Analyzed By: DCS
Date Collected: 12/7/2005 11:00
Date Received: 12/8/2005 10:00
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0.0194	1	12/14/2005

Reviewed By: 

8011_LIMS_1 34 XLS

Results for Organics
by EPA 504.1

Client Sample ID:	MMW4	Analyzed By:	DCS
Client Project ID:	Martin Site	Date Collected:	12/7/2005 11:22
Lab Sample ID:	G161-2262-3Q	Date Received:	12/8/2005 10:00
Lab Project ID:	G161-2262	Matrix:	Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0.0194	1	12/14/2005

Reviewed By:

8011_LIMS_1 34 XLS

Paradigm Analytical Laboratories, INC.

II

504.1 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 (BFB) #	QC LIMITS	TOT OUT
01	MMW5	G161-2262-1P	100	60 - 140	0
02	MDW1	G161-2262-2N	99	60 - 140	0
03	MMW4	G161-2262-3Q	105	60 - 140	0
04					
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35					

S1 (BFB) = 4-bromofluorobenzene

Paradigm Analytical Laboratories, INC.

4C

EDB/504.1 METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB4169

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab Sample ID: PB4169 Lab File ID: 059F0901.D

Matrix: (soil/water) WATER Instrument ID: ECD1

Date Analyzed: 2005-12-14 GC Column: RTX-5

Time Analyzed: 10:36

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

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	MMW5	G161-2262-1P	062F1201.D	2005-12-14 11:17
02	MDW1	G161-2262-2N	063F1301.D	2005-12-14 11:31
03	MMW4	G161-2262-3Q	064F1401.D	2005-12-14 11:45
04				
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06				
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33				

COMMENTS: _____

Results for Organics
by EPA 504.1

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB4169
Lab Project ID:

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

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0.0194	1	12/14/2005

Reviewed By:

8011_LIMS_1 34

QC Results for EDB
by EPA 8011/504

Client Sample ID: Batch QC
Lab Sample ID: G349-129-2E
Batch ID: 4169

Analyzed By: DCS
Matrix: Water

MS

Analyte	Sample ug/L	Spiked ug/L	MS ug/L	REC %
EDB	BQL	0.973	0.921	94.6

MS Limits	
Lower	Upper
70	130

LCS/LCSD

Analyte		Spiked ug/L	LCS ug/L	REC %	Spiked ug/L	LCSD ug/L	REC %	RPD %
EDB		0.972	0.754	77.6	0.972	0.758	78	0.514

Comments:

= Outside Control Limits

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MMW5
Sample Matrix	Water
Date Collected	12/07/05
Date Received	12/08/05
Date Extracted	12/09/05
Date Analyzed	12/12/05
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	73
Aromatic Surrogate % Recovery	76

Comments:

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

Lab info: G161-2262-1K

Reviewed By:

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MDW1
Sample Matrix	Water
Date Collected	12/07/05
Date Received	12/08/05
Date Extracted	12/09/05
Date Analyzed	12/12/05
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	35
Aromatic Surrogate % Recovery	54

Comments:

* = Excludes any surrogates or internal standards.
Sample did not require fractionation
Duplicate analysis confirms low surrogates

Lab info: G161-2262-2K

Reviewed By: [illegible]

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MMW4
Sample Matrix	Water
Date Collected	12/07/05
Date Received	12/08/05
Date Extracted	12/09/05
Date Analyzed	12/12/05
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	82
Aromatic Surrogate % Recovery	85

Comments:

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

Lab info: G161-2262-3K

Reviewed By:

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	12/09/05
Date Analyzed	12/12/05
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	76
Aromatic Surrogate % Recovery	79

Comments:

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

Lab info: pb4147

Reviewed By: _____

LCS Results for EPH
by MDEP-EPH

Client Sample ID:	LCS	Date Analyzed:	12/14/2005
Client Project ID:		Analyzed By:	CLP
Lab Sample ID:	LCS4147	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	89	45	40	140
C_{19}-C_{36} Aliphatics	300	210	70	40	140
C_{11}-C_{22} Aromatics	500	440	88	40	140

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit

MS/MSD Results for EPH
by MDEP-EPH

Client Sample ID:	Batch QC	Date Analyzed:	12/14/2005
Client Project ID:		Analyzed By:	DCS
Lab Sample ID:	QC4147	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	72	36%	94	47%	26.5
C_{19}-C_{36} Aliphatics	BQL	160	53%	220	73%	31.6
C_{11}-C_{22} Aromatics	BQL	250	50%	330	66%	27.6

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	MMW5	G161-2262-1K	73	76		40 - 140	0
02	MDW1	G161-2262-2K	35	54		40 - 140	1
03	MMW4	G161-2262-3K	82	85		40 - 140	0
04							
05							
06							
07							
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S1 (COD) = Chloro-octadecane
S2 (OTP) = ortho-terphenyl
S3 (frac) = 2-Bromonaphthalene

Paradigm Analytical Laboratories, INC.

4C

EPH METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB4147

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab Sample ID: PB4147 Extraction: (Type) 3520

Matrix: (soil/water) WATER Date Extracted: 2005-12-09

GC Column: RTX-5

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

	EPA SAMPLE NO.	LAB SAMPLE ID
01	MMW5	G161-2262-1K
02	MDW1	G161-2262-2K
03	MMW4	G161-2262-3K
04	G161-2262-3L MS	G161-2262-3L MS
05	G161-2262-3M MSD	G161-2262-3M MSD
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COMMENTS:

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 09/13/05

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	3.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	3.8	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	7.9	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 12/12/05

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	0.9
C_{19}-C_{36} Aliphatics	160	-2.8
C_{11}-C_{22} Aromatics	340	-0.3

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

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MMW5
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	12/07/05
Date Received	12/08/05
Date Extracted	12/10/05
Date Analyzed	12/10/05
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	99
Surrogate % Recovery - FID	99

* = 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: g161-2262-1d

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MDW1
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	12/07/05
Date Received	12/08/05
Date Extracted	12/10/05
Date Analyzed	12/10/05
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	98
Surrogate % Recovery - FID	99

* = 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: g161-2262-2d

Reviewed By: lw

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MMW4
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	12/07/05
Date Received	12/08/05
Date Extracted	12/10/05
Date Analyzed	12/10/05
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	97
Surrogate % Recovery - FID	98

* = 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: g161-2262-3d

Reviewed By:

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	MMW5	G161-2262-1D	042F0101.D	99	99	70-130	0
02	MDW1	G161-2262-2D	043F0101.D	99	98	70-130	0
03	MMW4	G161-2262-3D	044F0101.D	98	97	70-130	0
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S1 (FID) = 4-bromofluorobenzene
S2 (PID) = 4-bromofluorobenzene

Paradigm Analytical Laboratories, INC.

IV

VPH METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK4120905B

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

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

Lab Sample ID: VBLK4120905B Lab File ID: 034F0101.D

Date Analyzed: 2005-12-10 Instrument ID: GC4

Time Analyzed: 00:47 GC Column:

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

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	MMW5	G161-2262-1D	042F0101.D	2005-12-10 04:01
02	MDW1	G161-2262-2D	043F0101.D	2005-12-10 04:25
03	MMW4	G161-2262-3D	044F0101.D	2005-12-10 04:49
04				
05				
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COMMENTS:

MS/MSD Results for VPH
by MDEP-VPH

Client Sample ID:	Batch QC	Date Analyzed:	12/9/2005
Client Project ID:		Analyzed By:	MJC
Lab Sample ID:	QC120905	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	250		250		
C_9-C_{12} Aliphatics	BQL	140		130		
C_9-C_{10} Aromatics	BQL	57		57		
		Total	**%Rec**	**Total**	**%Rec**	**RPD**
Gasoline	BQL	447	89%	437	87%	2.3

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit

LCS Results for VPH
by MDEP-VPH

Client Sample ID:	LCS	Date Analyzed:	12/9/2005
Client Project ID:		Analyzed By:	MJC
Lab Sample ID:	VLCS120905	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		270			
C_9-C_{12} Aliphatics		140			
C_9-C_{10} Aromatics		59			
Gasoline	500	469	94	70	130

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 10/31/05 PID Initial Calibration Date: 10/31/05

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	7.9	Calibration Factor
	1000		
	2000		
	3000		
	4000		
C_9-C_{12} Aliphatics	10	1.00	Linear Regression
	250		
	500		
	750		
	1000		
C_9-C_{10} Aromatics	10	16.20	Calibration Factor
	250		
	500		
	750		
	1000		

Calibration Check Date: 12/09/05

Calibration Check

Range	Levels (µg/L)	(mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	2.6
C_9-C_{12} Aliphatics	500	50	-10.9
C_9-C_{10} Aromatics	500	50	4.5

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

601/602 Sample Raw Data

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\121305\014F0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2262-1a
Run Time Bar Code:
Acquired on : 13 Dec 05 04:17 PM
Report Created on: 13 Dec 05 04:42 PM
Last Recalib on : 13 DEC 05 09:11 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

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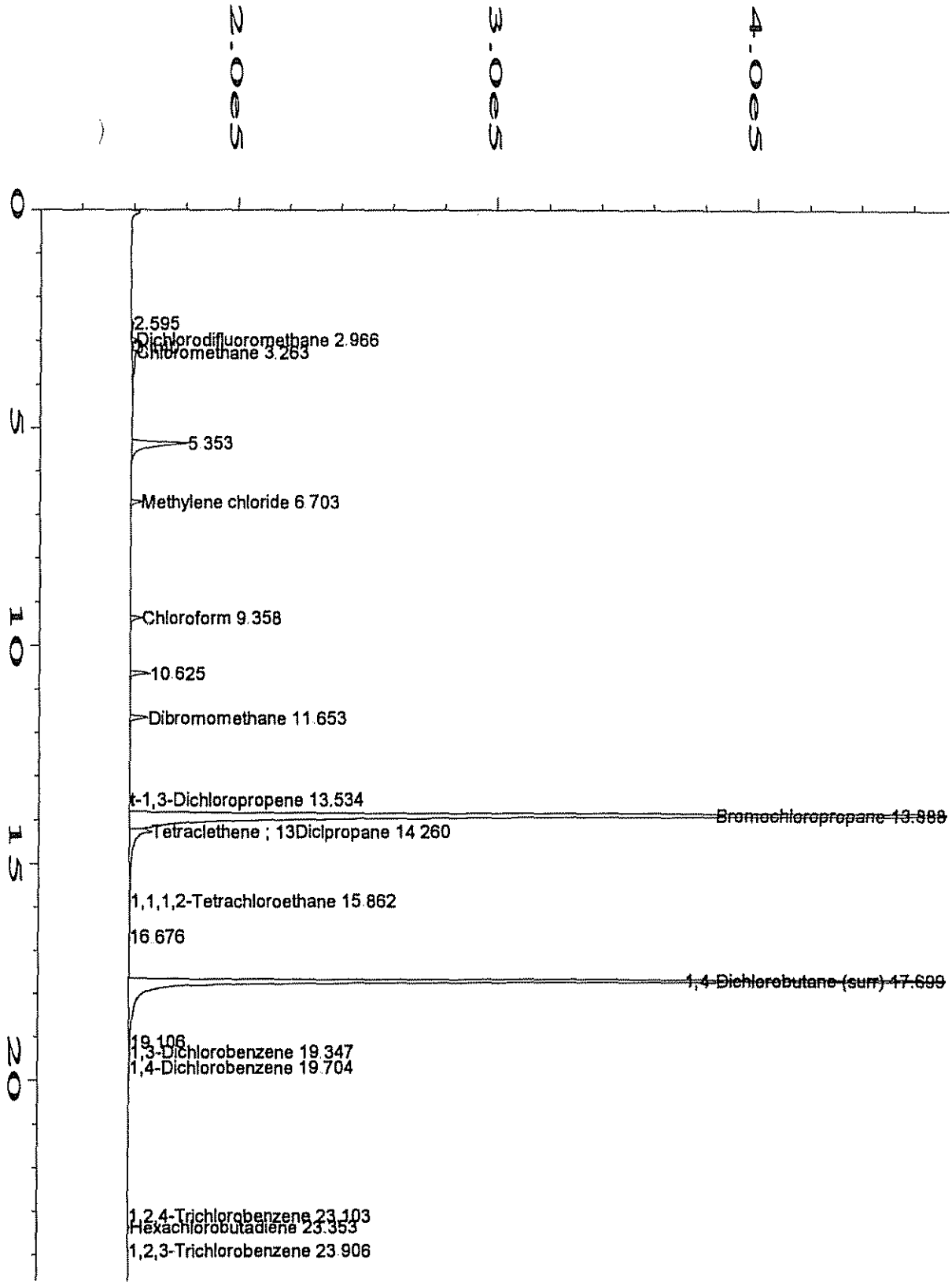
Sig. 1 in C:\HPCHEM\1\DATA\121305\014F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.966	10378	VV	0.073	1	-0.443	Dichlorodifluoromethane
3.263	37109	VB	0.269	1	-0.258	Chloromethane
3.445	* not found *			1		Vinyl chloride
4.077	* not found *			1		Bromomethane
4.291	* not found *			1		Chloroethane
4.795	* not found *			1		Trichlorofluoromethane
5.761	* not found *			1		1,1-Dichloroethene
6.703	17929	BB	0.068	1	-1.107	Methylene chloride
7.126	* not found *			1		t-1,2-Dichloroethene
7.858	* not found *			1		1,1-Dichloroethane
8.805	* not found *			1		c-12Diclethene ; 22Diclpropane
9.200	* not found *			1		Bromochloromethane
9.358	20846	PB	0.067	1	-1.030	Chloroform
9.583	* not found *			1		1,1,1-Trichloroethane
9.837	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.233	* not found *			1		1,2-Dichloroethane
11.182	* not found *			1		Trichloroethene
11.556	* not found *			1		1,2-Dichloropropane
11.653	35110	BB	0.069	1	0.225	Dibromomethane
12.002	* not found *			1		Bromodichloromethane
12.737	* not found *			1		c-1,3-Dichloropropene
13.534	1365	BB	0.069	1	-0.0815	t-1,3-Dichloropropene
13.888	2741206	BV	0.072	1-I	40.000	Bromochloropropane
14.041	* not found *			1		1,1,2-Trichloroethane
14.260	123456	VV	0.184	1	-2.005	Tetraclethene ; 13Diclpropane
14.727	* not found *			1		Dibromochloromethane
14.927	* not found *			1		1,2-Dibromoethane (EDB)
15.764	* not found *			1		Chlorobenzene
15.862	3426	VB	0.124	1	-1.335	1,1,1,2-Tetrachloroethane
17.209	* not found *			1		Bromoform
17.699	1819891	BV	0.065	1	101.948	1,4-Dichlorobutane (surr)
18.024	* not found *			1		Brbenzene;123triclprop;1122tet
18.332	* not found *			1		2-Chlorotoluene
18.523	* not found *			1		4-Chlorotoluene
19.347	2726	VB	0.128	1	-0.612	1,3-Dichlorobenzene
19.704	3245	BB	0.163	1	-1.063	1,4-Dichlorobenzene
20.390	* not found *			1		1,2-Dichlorobenzene
21.724	* not found *			1		1,2-Dibromo-3-chloropropane
23.103	783	BB	0.065	1	0.0967	1,2,4-Trichlorobenzene
23.353	3797	BB	0.063	1	-0.550	Hexachlorobutadiene
23.906	1421	BB	0.067	1	0.0605	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121305\014F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 14
Sample Name	: g161-2262-1a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 04:17 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 04:42 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\121305\015F0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2262-2a
Run Time Bar Code:
Acquired on : 13 Dec 05 04:48 PM
Report Created on: 13 Dec 05 05:12 PM
Last Recalib on : 13 DEC 05 09:11 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

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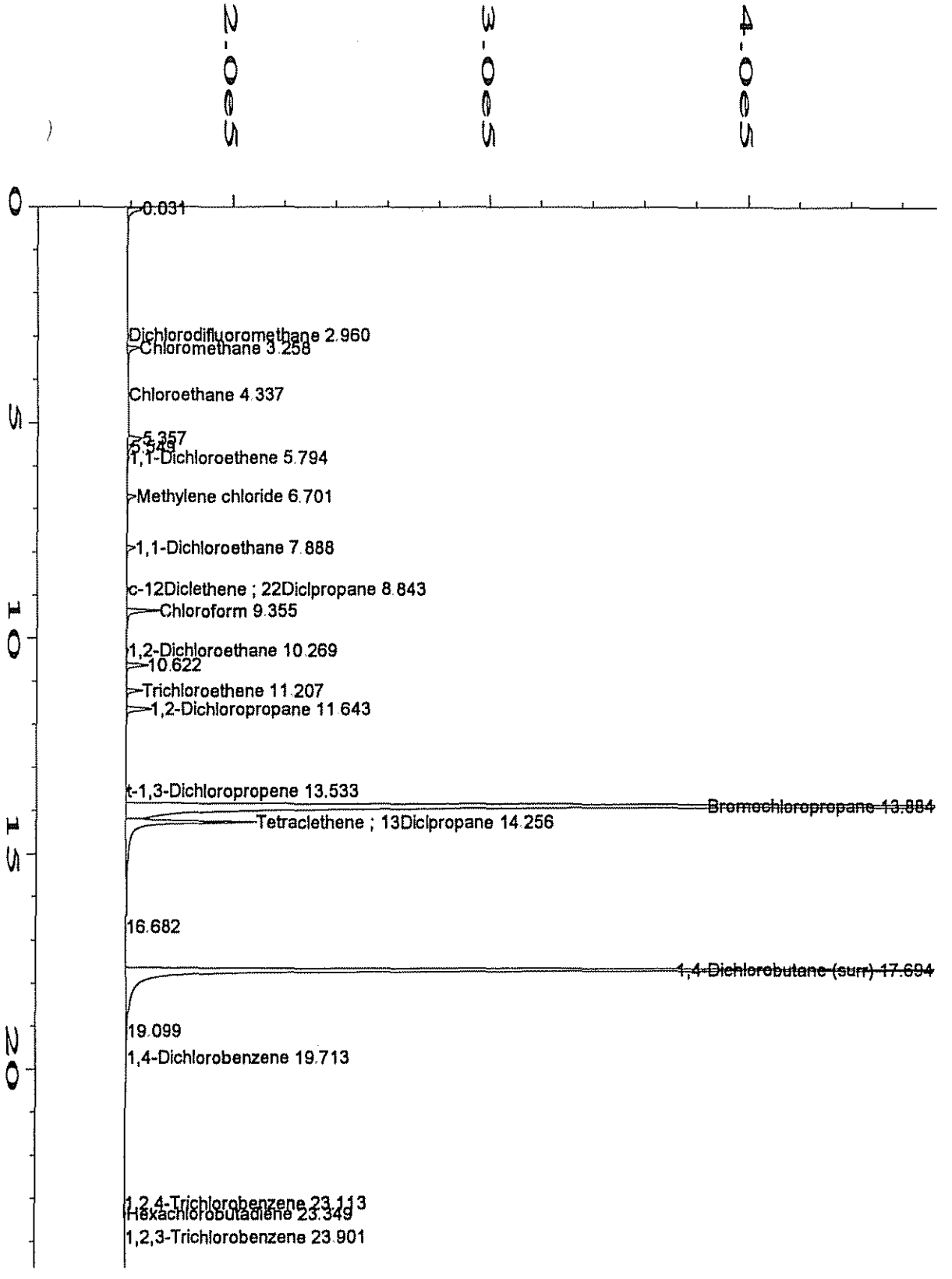
Sig. 1 in C:\HPCHEM\1\DATA\121305\015F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.960	1853	BV	0.056	1	~~-0.508~~	Dichlorodifluoromethane
3.258	31163	BB	0.088	1	~~-0.290~~	Chloromethane
3.445	* not found *			1		Vinyl chloride
4.077	* not found *			1		Bromomethane
4.337	1470	BB	0.123	1	~~-0.635~~	Chloroethane
4.795	* not found *			1		Trichlorofluoromethane
5.794	5117	VB	0.090	1	~~-0.576~~	1,1-Dichloroethene
6.701	18052	BV	0.072	1	~~-1.104~~	Methylene chloride
7.126	* not found *			1		t-1,2-Dichloroethene
7.888	20115	BB	0.079	1	~~-0.787~~	1,1-Dichloroethane
8.843	4087	BB	0.071	1	~~-2.208~~	c-12Diclethene ; 22Diclpropane
9.200	* not found *			1		Bromochloromethane
9.355	64640	BB	0.071	1	~~-0.879~~	Chloroform
9.583	* not found *			1		1,1,1-Trichloroethane
9.837	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.269	4302	BV	0.075	1	~~-0.932~~	1,2-Dichloroethane
11.207	26783	VV	0.062	1	~~-0.765~~	Trichloroethene
11.643	50723	VB	0.075	1	~~-1.167~~	1,2-Dichloropropane
11.750	* not found *			1		Dibromomethane
12.002	* not found *			1		Bromodichloromethane
12.737	* not found *			1		c-1,3-Dichloropropene
13.533	1722	BB	0.068	1	~~-0.0780~~	t-1,3-Dichloropropene
13.884	2672589	BV	0.076	1-I	40.000	Bromochloropropane
14.041	* not found *			1		1,1,2-Trichloroethane
14.256	348466	VB	0.091	1	~~-0.874~~	Tetraclethene ; 13Diclpropane
14.727	* not found *			1		Dibromochloromethane
14.927	* not found *			1		1,2-Dibromoethane (EDB)
15.764	* not found *			1		Chlorobenzene
15.910	* not found *			1		1,1,1,2-Tetrachloroethane
17.209	* not found *			1		Bromoform
17.694	1799053	BV	0.062	1	103.368	1,4-Dichlorobutane (surr)
18.024	* not found *			1		Brbenzene;123triclprop;1122tet
18.332	* not found *			1		2-Chlorotoluene
18.523	* not found *			1		4-Chlorotoluene
19.605	* not found *			1		1,3-Dichlorobenzene
19.713	2877	BB	0.140	1	~~-1.065~~	1,4-Dichlorobenzene
20.390	* not found *			1		1,2-Dichlorobenzene
21.724	* not found *			1		1,2-Dibromo-3-chloropropane
23.113	795	BB	0.073	1	0.0970	1,2,4-Trichlorobenzene
23.349	4297	BB	0.074	1	-0.545	Hexachlorobutadiene
23.901	1392	BB	0.076	1	0.0606	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121305\015F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 15
Sample Name	: g161-2262-2a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 04:48 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 05:12 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\121305\017F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 17
Sample Name	: g161-2262-3a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 05:49 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 06:14 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

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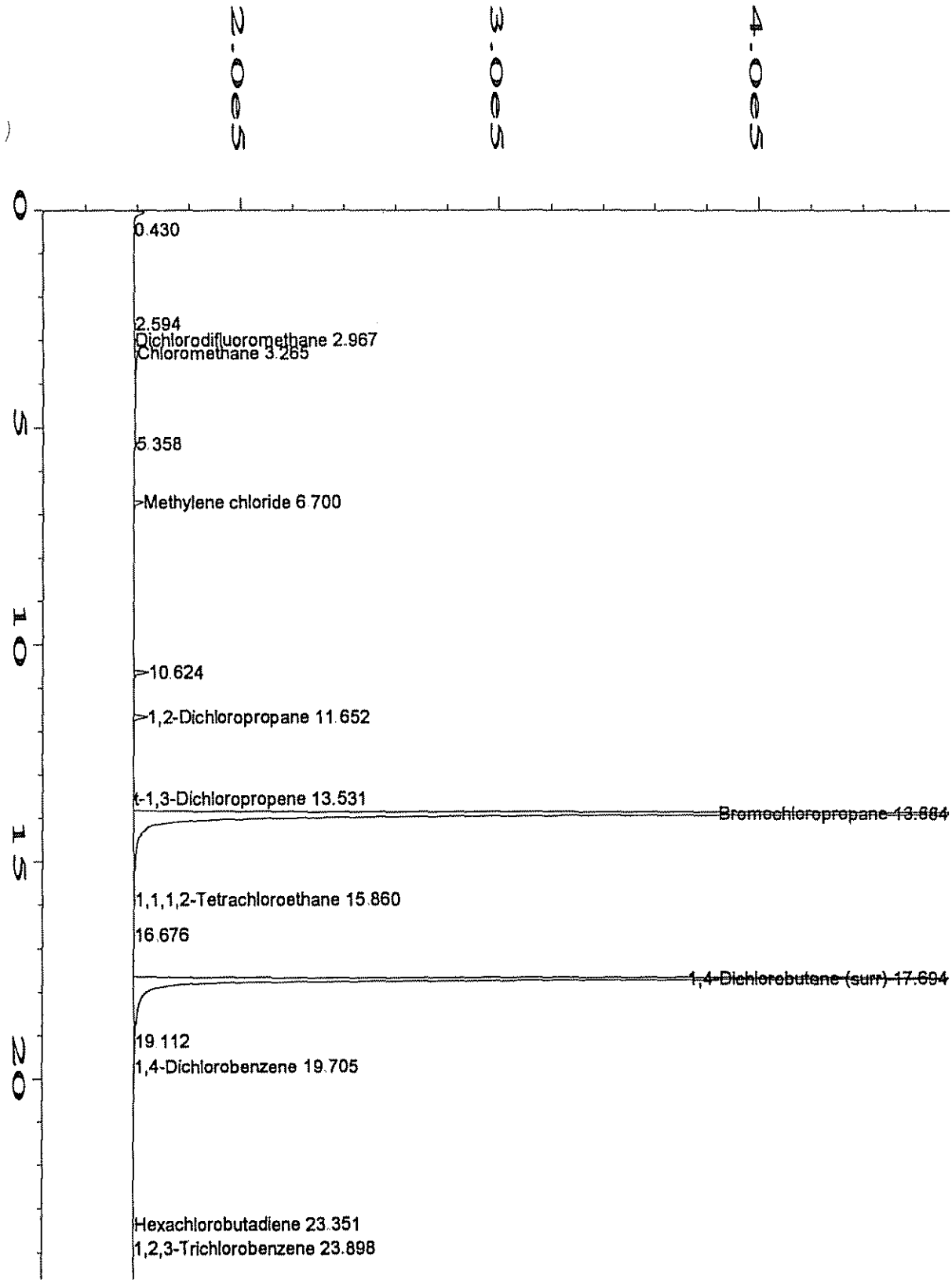
Sig. 1 in C:\HPCHEM\1\DATA\121305\017F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.967	3284	VV	0.089	1	~~-0.497~~	Dichlorodifluoromethane
3.265	20385	PB	0.241	1	~~-0.361~~	Chloromethane
3.445	* not found *			1		Vinyl chloride
4.077	* not found *			1		Bromomethane
4.291	* not found *			1		Chloroethane
4.795	* not found *			1		Trichlorofluoromethane
5.761	* not found *			1		1,1-Dichloroethene
6.700	16722	BB	0.066	1	~~-1.111~~	Methylene chloride
7.126	* not found *			1		t-1,2-Dichloroethene
7.858	* not found *			1		1,1-Dichloroethane
8.805	* not found *			1		c-12Diclethene ; 22Diclpropane
9.200	* not found *			1		Bromochloromethane
9.330	* not found *			1		Chloroform
9.583	* not found *			1		1,1,1-Trichloroethane
9.837	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.233	* not found *			1		1,2-Dichloroethane
11.182	* not found *			1		Trichloroethene
11.652	28303	BB	0.075	1	~~-1.281~~	1,2-Dichloropropane
11.750	* not found *			1		Dibromomethane
12.002	* not found *			1		Bromodichloromethane
12.737	* not found *			1		c-1,3-Dichloropropene
13.531	1083	BB	0.069	1	~~-0.0838~~	t-1,3-Dichloropropene
13.884	2714480	BV	0.076	1-I	40.000	Bromochloropropane
14.041	* not found *			1		1,1,2-Trichloroethane
14.238	* not found *			1		Tetraclethene ; 13Diclpropane
14.727	* not found *			1		Dibromochloromethane
14.927	* not found *			1		1,2-Dibromoethane (EDB)
15.764	* not found *			1		Chlorobenzene
15.860	3292	VB	0.119	1	~~-1.336~~	1,1,1,2-Tetrachloroethane
17.209	* not found *			1		Bromoform
17.694	1746475	BV	0.063	1	98.799	1,4-Dichlorobutane (surr)
18.024	* not found *			1		Brbenzene;123triclprop;1122tet
18.332	* not found *			1		2-Chlorotoluene
18.523	* not found *			1		4-Chlorotoluene
19.605	* not found *			1		1,3-Dichlorobenzene
19.705	3836	BB	0.199	1	~~-1.059~~	1,4-Dichlorobenzene
20.390	* not found *			1		1,2-Dichlorobenzene
21.724	* not found *			1		1,2-Dibromo-3-chloropropane
23.066	* not found *			1		1,2,4-Trichlorobenzene
23.351	3310	VV	0.082	1	-0.553	Hexachlorobutadiene
23.898	1109	PV	0.111	1	0.0564	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121305\017F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 17
Sample Name	: g161-2262-3a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 05:49 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 06:14 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

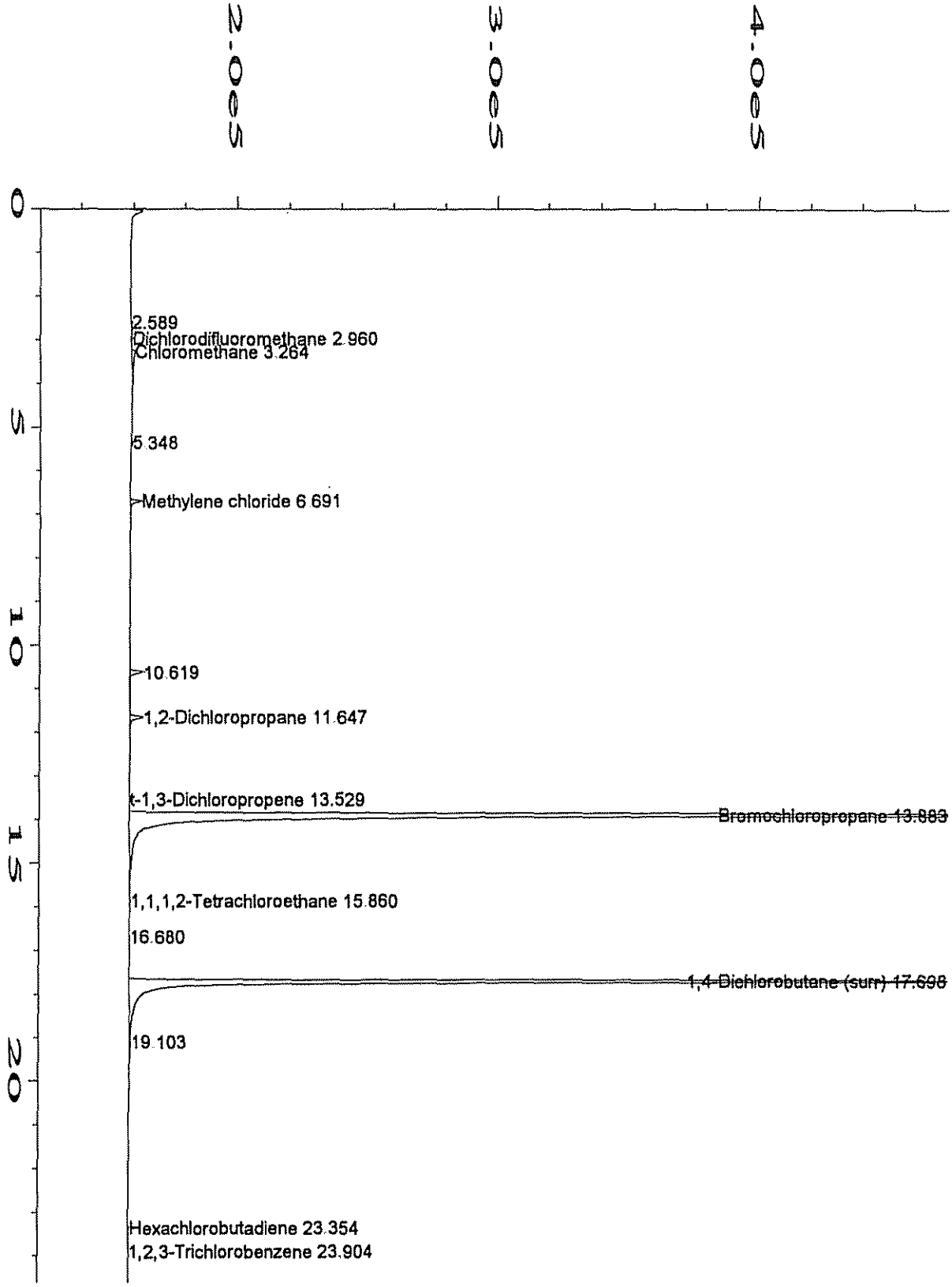
Data File Name : C:\HPCHEM\1\DATA\121305\018F0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2262-4a
Run Time Bar Code:
Acquired on : 13 Dec 05 06:19 PM
Report Created on: 13 Dec 05 06:44 PM
Last Recalib on : 13 DEC 05 09:11 AM
Multiplier : 1

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 1 in C:\HPCHEM\1\DATA\121305\018F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.960	2868	BV	0.075	1	~~-0.500~~	Dichlorodifluoromethane
3.264	27086	PB	0.230	1	~~-0.321~~	Chloromethane
3.445	* not found *			1		Vinyl chloride
4.077	* not found *			1		Bromomethane
4.291	* not found *			1		Chloroethane
4.795	* not found *			1		Trichlorofluoromethane
5.761	* not found *			1		1,1-Dichloroethene
6.691	19974	BB	0.066	1	~~-1.098~~	Methylene chloride
7.126	* not found *			1		t-1,2-Dichloroethene
7.858	* not found *			1		1,1-Dichloroethane
8.805	* not found *			1		c-12Diclethene ; 22Diclpropane
9.200	* not found *			1		Bromochloromethane
9.330	* not found *			1		Chloroform
9.583	* not found *			1		1,1,1-Trichloroethane
9.837	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.233	* not found *			1		1,2-Dichloroethane
11.182	* not found *			1		Trichloroethene
11.647	26909	BB	0.076	1	~~-1.289~~	1,2-Dichloropropane
11.750	* not found *			1		Dibromomethane
12.002	* not found *			1		Bromodichloromethane
12.737	* not found *			1		c-1,3-Dichloropropene
13.529	1074	BB	0.064	1	~~-0.0839~~	t-1,3-Dichloropropene
13.883	2744008	BV	0.075	1-I	40.000	Bromochloropropane
14.041	* not found *			1		1,1,2-Trichloroethane
14.238	* not found *			1		Tetraclethene ; 13Diclpropane
14.727	* not found *			1		Dibromochloromethane
14.927	* not found *			1		1,2-Dibromoethane (EDB)
15.764	* not found *			1		Chlorobenzene
15.860	3362	VB	0.126	1	~~-1.336~~	1,1,1,2-Tetrachloroethane
17.209	* not found *			1		Bromoform
17.698	1795309	BV	0.067	1	100.468	1,4-Dichlorobutane (surr)
18.024	* not found *			1		Brbenzene;123triclprop;1122tet
18.332	* not found *			1		2-Chlorotoluene
18.523	* not found *			1		4-Chlorotoluene
19.605	* not found *			1		1,3-Dichlorobenzene
19.759	* not found *			1		1,4-Dichlorobenzene
20.390	* not found *			1		1,2-Dichlorobenzene
21.724	* not found *			1		1,2-Dibromo-3-chloropropane
23.066	* not found *			1		1,2,4-Trichlorobenzene
23.354	2807	BB	0.066	1	-0.557	Hexachlorobutadiene
23.904	853	BB	0.077	1	0.0527	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121305\018F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 18
Sample Name	: g161-2262-4a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 06:19 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 06:44 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\121305\019F0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2262-5a
Run Time Bar Code:
Acquired on : 13 Dec 05 06:50 PM
Report Created on: 13 Dec 05 07:14 PM
Last Recalib on : 13 DEC 05 09:11 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

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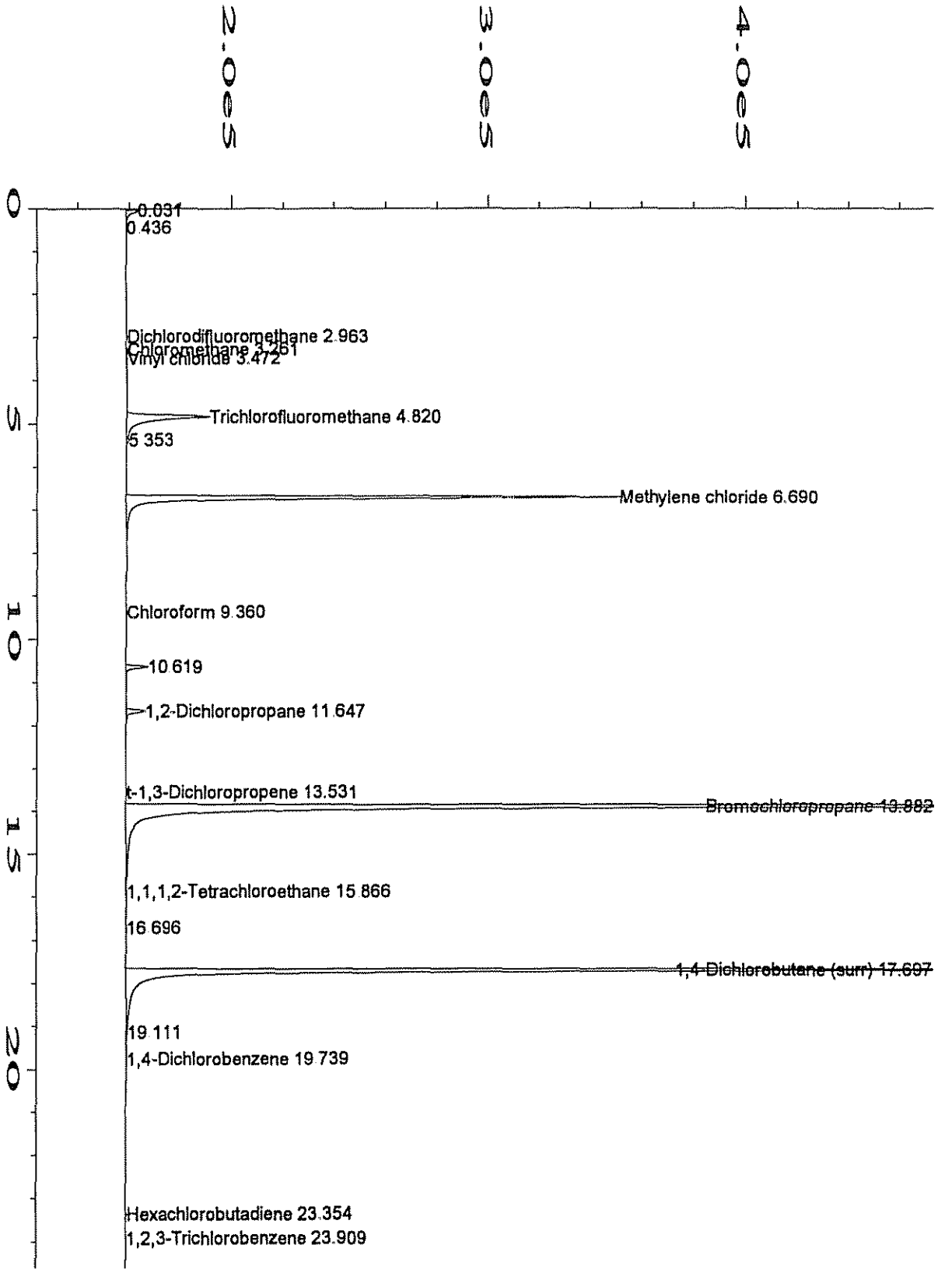
Sig. 1 in C:\HPCHEM\1\DATA\121305\019F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.963	2085	BV	0.062	1	~~-0.506~~	Dichlorodifluoromethane
3.261	5207	PV	0.093	1	~~-0.457~~	Chloromethane
3.472	2789	VB	0.094	1	~~-0.819~~	Vinyl chloride
4.077	* not found *			1		Bromomethane
4.291	* not found *			1		Chloroethane
4.820	261701	BV	0.109	1	~~0.702~~	Trichlorofluoromethane
5.761	* not found *			1		1,1-Dichloroethene
6.690	913513	BB	0.068	1	~~2.407~~	Methylene chloride
7.126	* not found *			1		t-1,2-Dichloroethene
7.858	* not found *			1		1,1-Dichloroethane
8.805	* not found *			1		c-12Diclethene ; 22Diclpropane
9.200	* not found *			1		Bromochloromethane
9.360	1578	BB	0.076	1	~~-1.094~~	Chloroform
9.583	* not found *			1		1,1,1-Trichloroethane
9.837	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.233	* not found *			1		1,2-Dichloroethane
11.182	* not found *			1		Trichloroethene
11.647	38248	BB	0.074	1	~~-1.236~~	1,2-Dichloropropane
11.750	* not found *			1		Dibromomethane
12.002	* not found *			1		Bromodichloromethane
12.737	* not found *			1		c-1,3-Dichloropropene
13.531	1265	BB	0.071	1	~~-0.0824~~	t-1,3-Dichloropropene
13.882	2775504	BV	0.077	1-I	40.000	Bromochloropropane
14.041	* not found *			1		1,1,2-Trichloroethane
14.238	* not found *			1		Tetraclethene ; 13Diclpropane
14.727	* not found *			1		Dibromochloromethane
14.927	* not found *			1		1,2-Dibromoethane (EDB)
15.764	* not found *			1		Chlorobenzene
15.866	4077	VB	0.148	1	~~-1.333~~	1,1,1,2-Tetrachloroethane
17.209	* not found *			1		Bromoform
17.697	1763378	BV	0.064	1	97.562	1,4-Dichlorobutane (surr)
18.024	* not found *			1		Brbenzene;123triclprop;1122tet
18.332	* not found *			1		2-Chlorotoluene
18.523	* not found *			1		4-Chlorotoluene
19.605	* not found *			1		1,3-Dichlorobenzene
19.739	2074	BB	0.181	1	~~-1.071~~	1,4-Dichlorobenzene
20.390	* not found *			1		1,2-Dichlorobenzene
21.724	* not found *			1		1,2-Dibromo-3-chloropropane
23.066	* not found *			1		1,2,4-Trichlorobenzene
23.354	2848	PV	0.070	1	-0.557	Hexachlorobutadiene
23.909	559	PV	0.071	1	0.0485	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121305\019F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 19
Sample Name	: g161-2262-5a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 06:50 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 07:14 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\121305\010F0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2262-6a
Run Time Bar Code:
Acquired on : 13 Dec 05 02:14 PM
Report Created on: 13 Dec 05 02:39 PM
Last Recalib on : 13 DEC 05 09:11 AM
Multiplier : 1

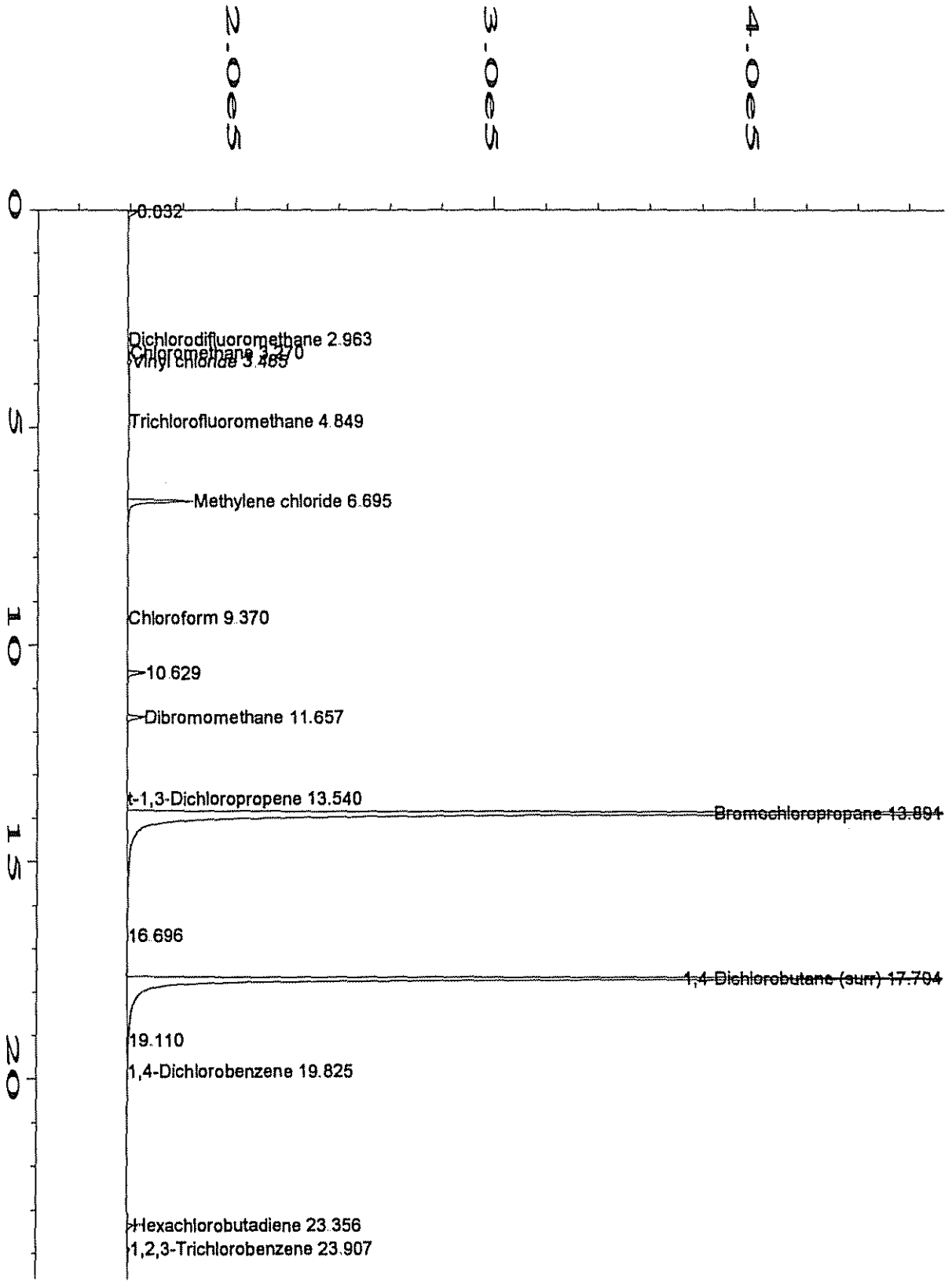
Page Number : 1
Vial Number : 10
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

mjl 12/14

Sig. 1 in C:\HPCHEM\1\DATA\121305\010F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.963	1523	BB	0.064	1	-0.511	Dichlorodifluoromethane
3.270	5309	BV	0.095	1	-0.456	Chloromethane
3.465	11106	VB	0.109	1	-0.757	Vinyl chloride
4.077	* not found *			1		Bromomethane
4.291	* not found *			1		Chloroethane
4.849	2103	BB	0.123	1	-0.634	Trichlorofluoromethane
5.761	* not found *			1		1,1-Dichloroethene
6.695	118210	BB	0.071	1	-0.709	Methylene chloride
7.126	* not found *			1		t-1,2-Dichloroethene
7.858	* not found *			1		1,1-Dichloroethane
8.805	* not found *			1		c-12Diclethene ; 22Diclpropane
9.200	* not found *			1		Bromochloromethane
9.370	1095	BB	0.062	1	-1.096	Chloroform
9.583	* not found *			1		1,1,1-Trichloroethane
9.837	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.233	* not found *			1		1,2-Dichloroethane
11.182	* not found *			1		Trichloroethene
11.556	* not found *			1		1,2-Dichloropropane
11.657	33542	BB	0.074	1	0.208	Dibromomethane
12.002	* not found *			1		Bromodichloromethane
12.737	* not found *			1		c-1,3-Dichloropropene
13.540	1753	BB	0.072	1	-0.0782	t-1,3-Dichloropropene
13.891	2744756	BV	0.077	1-I	40.000	Bromochloropropane
14.041	* not found *			1		1,1,2-Trichloroethane
14.238	* not found *			1		Tetraclethene ; 13Diclpropane
14.727	* not found *			1		Dibromochloromethane
14.927	* not found *			1		1,2-Dibromoethane (EDB)
15.764	* not found *			1		Chlorobenzene
15.910	* not found *			1		1,1,1,2-Tetrachloroethane
17.209	* not found *			1		Bromoform
17.704	1821080	BV	0.062	1	101.883	1,4-Dichlorobutane (surr)
18.024	* not found *			1		Brbenzene;123triclprop;1122tet
18.332	* not found *			1		2-Chlorotoluene
18.523	* not found *			1		4-Chlorotoluene
19.605	* not found *			1		1,3-Dichlorobenzene
19.825	3277	BB	0.175	1	-1.063	1,4-Dichlorobenzene
20.390	* not found *			1		1,2-Dichlorobenzene
21.724	* not found *			1		1,2-Dibromo-3-chloropropane
23.066	* not found *			1		1,2,4-Trichlorobenzene
23.356	11776	PB	0.068	1	-0.493	Hexachlorobutadiene
23.907	6456	BV	0.088	1	0.130	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121305\010F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 10
Sample Name	: g161-2262-6a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 02:14 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 02:39 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\121305\014R0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2262-1a
Run Time Bar Code:
Acquired on : 13 Dec 05 04:17 PM
Report Created on: 13 Dec 05 04:42 PM
Last Recalib on : 13 DEC 05 08:35 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

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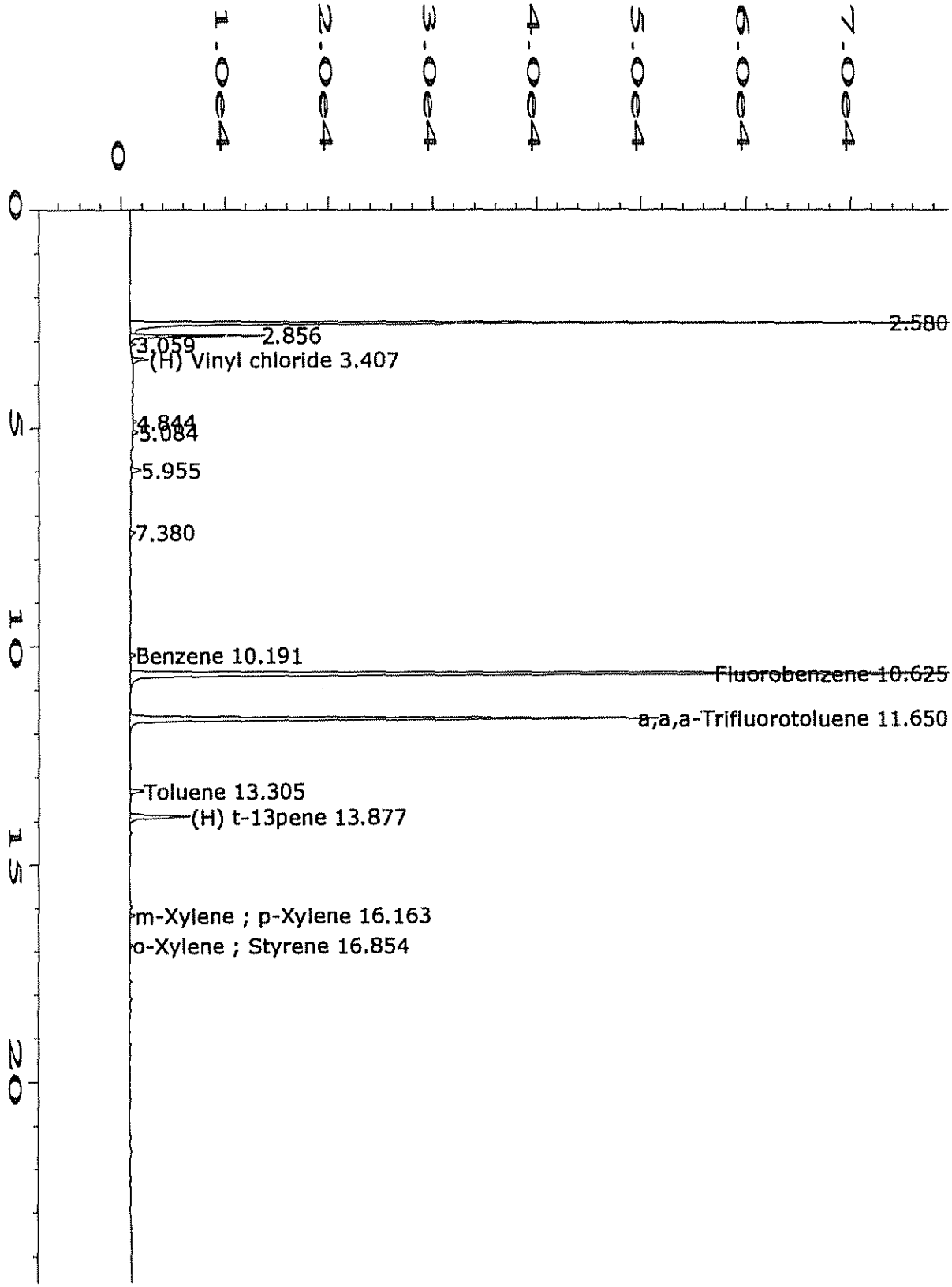
Sig. 2 in C:\HPCHEM\1\DATA\121305\014R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.407	6474	PV	0.057	1	~~0.797~~	(H) Vinyl chloride
5.745	* not found *			1		(H) 1,1-Dichloroethene
7.119	* not found *			1		MTBE ; (H) t-12DCE
7.962	* not found *			1		DIPE
8.804	* not found *			1		(H) c-12dce
9.834	* not found *			1		(H) 11-Diclpropene
10.191	2526	BB	0.068	1	~~-0.245~~	Benzene
10.625	380420	BB	0.057	1-I	40.000	Fluorobenzene
11.174	* not found *			1		(H) Trichloroethene
11.650	207119	VB	0.062	1	100.963	a,a,a-Trifluorotoluene
12.729	* not found *			1		(H) c-13pene
13.305	5423	BB	0.062	1	~~-0.153~~	Toluene
13.877	25427	BB	0.066	1	~~4.186~~	(H) t-13pene
14.233	* not found *			1		(H) Tetrachloroethene
15.755	* not found *			1		(H) Chlorobenzene
15.940	* not found *			1		Ethylbenzene
16.163	2245	BB	0.063	1	~~-0.928~~	m-Xylene ; p-Xylene
16.854	1400	BB	0.065	1	~~-0.744~~	o-Xylene ; Styrene
17.467	* not found *			1		Isopropylbenzene
17.994	* not found *			1		(H) Bromobenzene
18.177	* not found *			1		n-Propylbenzene
18.325	* not found *			1		(H) 2Cltoluene
18.498	* not found *			1		135-Trimethylbenzene;4-cltolu
19.034	* not found *			1		tert-Butylbenzene
19.120	* not found *			1		124-Trimethylbenzene
19.407	* not found *			1		sec-Butylbenzene
19.597	* not found *			1		(H) 13dcb
19.750	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.368	* not found *			1		n-Butylbenzene ; (H) 12dcb
23.056	* not found *			1		(H) 124-Triclbenzene
23.327	* not found *			1		(H) Hexaclbutadiene
23.469	* not found *			1		Naphthalene
23.863	* 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\121305\014R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 14
Sample Name	: g161-2262-1a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 04:17 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 04:42 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\121305\015R0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2262-2a
Run Time Bar Code:
Acquired on : 13 Dec 05 04:48 PM
Report Created on: 13 Dec 05 05:12 PM
Last Recalib on : 13 DEC 05 08:35 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

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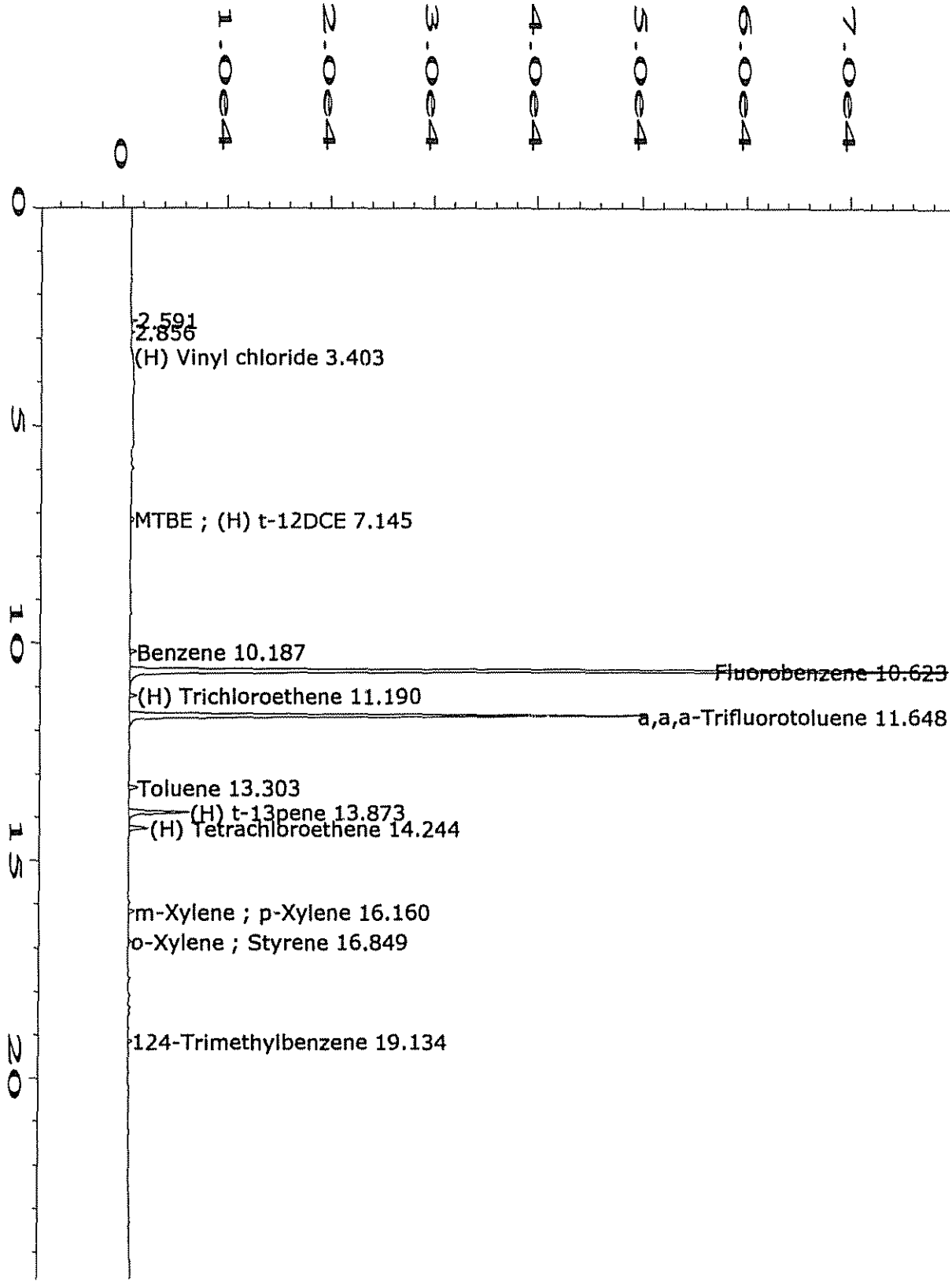
Sig. 2 in C:\HPCHEM\1\DATA\121305\015R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.403	1317	BB	0.112	1	~~-0.198~~	(H) Vinyl chloride
5.745	* not found *			1		(H) 1,1-Dichloroethene
7.145	1939	BB	0.086	1	~~-0.499~~	MTBE ; (H) t-12DCE
7.962	* not found *			1		DIPE
8.804	* not found *			1		(H) c-12dce
9.834	* not found *			1		(H) 11-Diclpropene
10.187	2459	BB	0.060	1	~~-0.247~~	Benzene
10.623	377975	BB	0.057	1-I	40.000	Fluorobenzene
11.190	2490	BB	0.056	1	~~-0.168~~	(H) Trichloroethene
11.648	202593	BB	0.063	1	99.396	a,a,a-Trifluorotoluene
12.729	* not found *			1		(H) c-13pene
13.303	3588	BB	0.063	1	~~-0.216~~	Toluene
13.873	25469	BB	0.067	1	~~4.219~~	(H) t-13pene
14.244	7359	BB	0.061	1	~~0.230~~	(H) Tetrachloroethene
15.755	* not found *			1		(H) Chlorobenzene
15.940	* not found *			1		Ethylbenzene
16.160	2681	BB	0.066	1	~~-0.912~~	m-Xylene ; p-Xylene
16.849	1077	BB	0.061	1	~~-0.758~~	o-Xylene ; Styrene
17.467	* not found *			1		Isopropylbenzene
17.994	* not found *			1		(H) Bromobenzene
18.177	* not found *			1		n-Propylbenzene
18.325	* not found *			1		(H) 2Cltoluene
18.498	* not found *			1		135-Trimethylbenzene;4-cltolu
19.034	* not found *			1		tert-Butylbenzene
19.134	1253	BB	0.055	1	~~-0.258~~	124-Trimethylbenzene
19.407	* not found *			1		sec-Butylbenzene
19.597	* not found *			1		(H) 13dcb
19.750	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.368	* not found *			1		n-Butylbenzene ; (H) 12dcb
23.056	* not found *			1		(H) 124-Triclbenzene
23.327	* not found *			1		(H) Hexaclbutadiene
23.469	* not found *			1		Naphthalene
23.863	* 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\121305\015R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 15
Sample Name	: g161-2262-2a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 04:48 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 05:12 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\121305\017R0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2262-3a
Run Time Bar Code:
Acquired on : 13 Dec 05 05:49 PM
Report Created on: 13 Dec 05 06:14 PM
Last Recalib on : 13 DEC 05 08:35 AM
Multiplier : 1

Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

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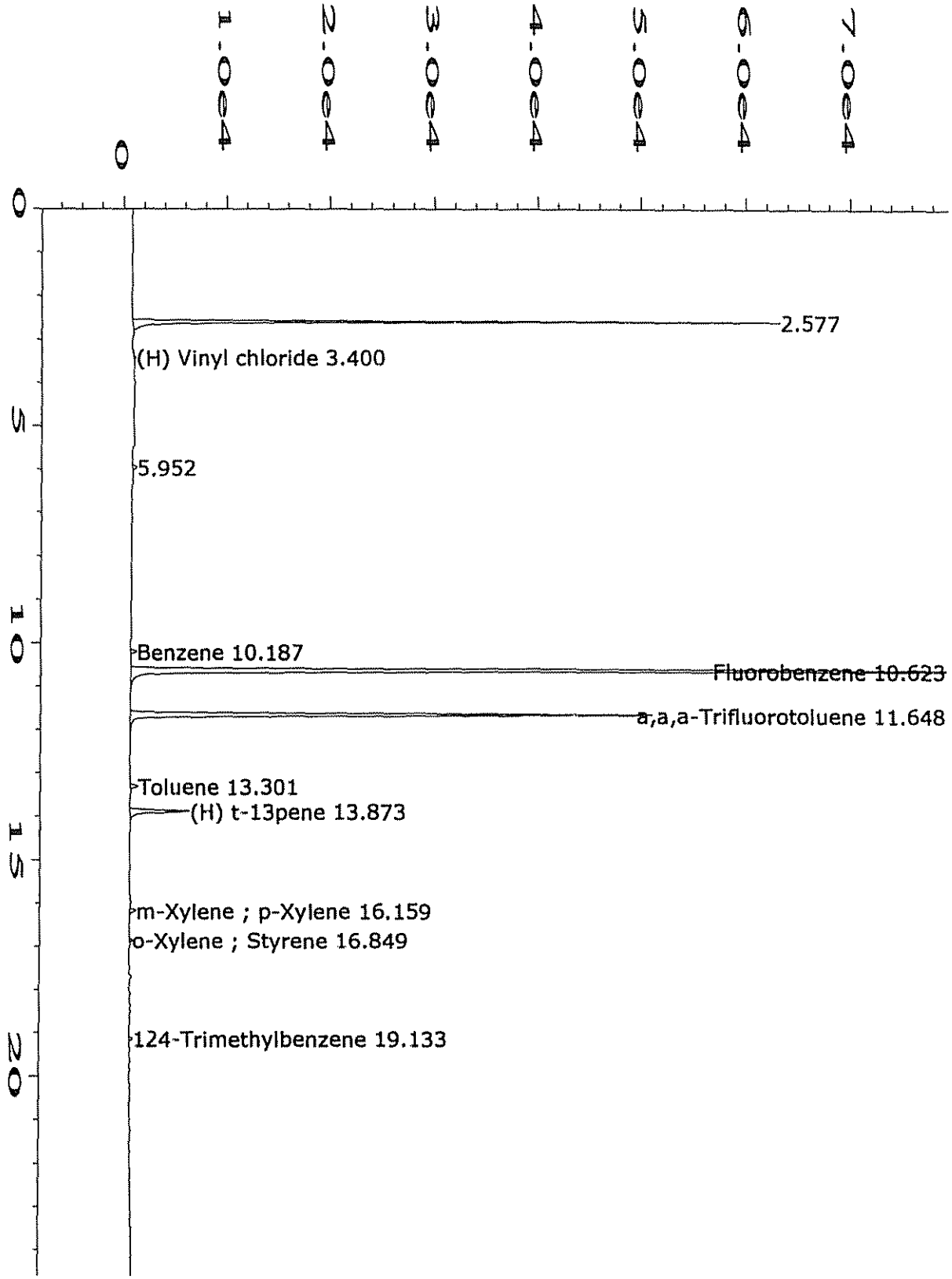
Sig. 2 in C:\HPCHEM\1\DATA\121305\017R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.400	1439	BB	0.094	1	~~-0.174~~	(H) Vinyl chloride
5.745	* not found *			1		(H) 1,1-Dichloroethene
7.119	* not found *			1		MTBE ; (H) t-12DCE
7.962	* not found *			1		DIPE
8.804	* not found *			1		(H) c-12dce
9.834	* not found *			1		(H) 11-Diclpropene
10.187	2309	BB	0.059	1	~~-0.251~~	Benzene
10.623	377518	BB	0.057	1-I	40.000	Fluorobenzene
11.174	* not found *			1		(H) Trichloroethene
11.648	202658	BB	0.063	1	99.548	a,a,a-Trifluorotoluene
12.729	* not found *			1		(H) c-13pene
13.301	3006	BB	0.062	1	~~-0.236~~	Toluene
13.873	25417	BB	0.066	1	~~4.215~~	(H) t-13pene
14.233	* not found *			1		(H) Tetrachloroethene
15.755	* not found *			1		(H) Chlorobenzene
15.940	* not found *			1		Ethylbenzene
16.159	2868	BB	0.065	1	~~-0.905~~	m-Xylene ; p-Xylene
16.849	1222	BB	0.064	1	~~-0.752~~	o-Xylene ; Styrene
17.467	* not found *			1		Isopropylbenzene
17.994	* not found *			1		(H) Bromobenzene
18.177	* not found *			1		n-Propylbenzene
18.325	* not found *			1		(H) 2Cltoluene
18.498	* not found *			1		135-Trimethylbenzene;4-cltolu
19.034	* not found *			1		tert-Butylbenzene
19.133	1316	BB	0.055	1	~~-0.256~~	124-Trimethylbenzene
19.407	* not found *			1		sec-Butylbenzene
19.597	* not found *			1		(H) 13dcb
19.750	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.368	* not found *			1		n-Butylbenzene ; (H) 12dcb
23.056	* not found *			1		(H) 124-Triclbenzene
23.327	* not found *			1		(H) Hexaclbutadiene
23.469	* not found *			1		Naphthalene
23.863	* 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\121305\017R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 17
Sample Name	: g161-2262-3a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 05:49 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 06:14 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\121305\018R0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2262-4a
Run Time Bar Code:
Acquired on : 13 Dec 05 06:19 PM
Report Created on: 13 Dec 05 06:44 PM
Last Recalib on : 13 DEC 05 08:35 AM
Multiplier : 1

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

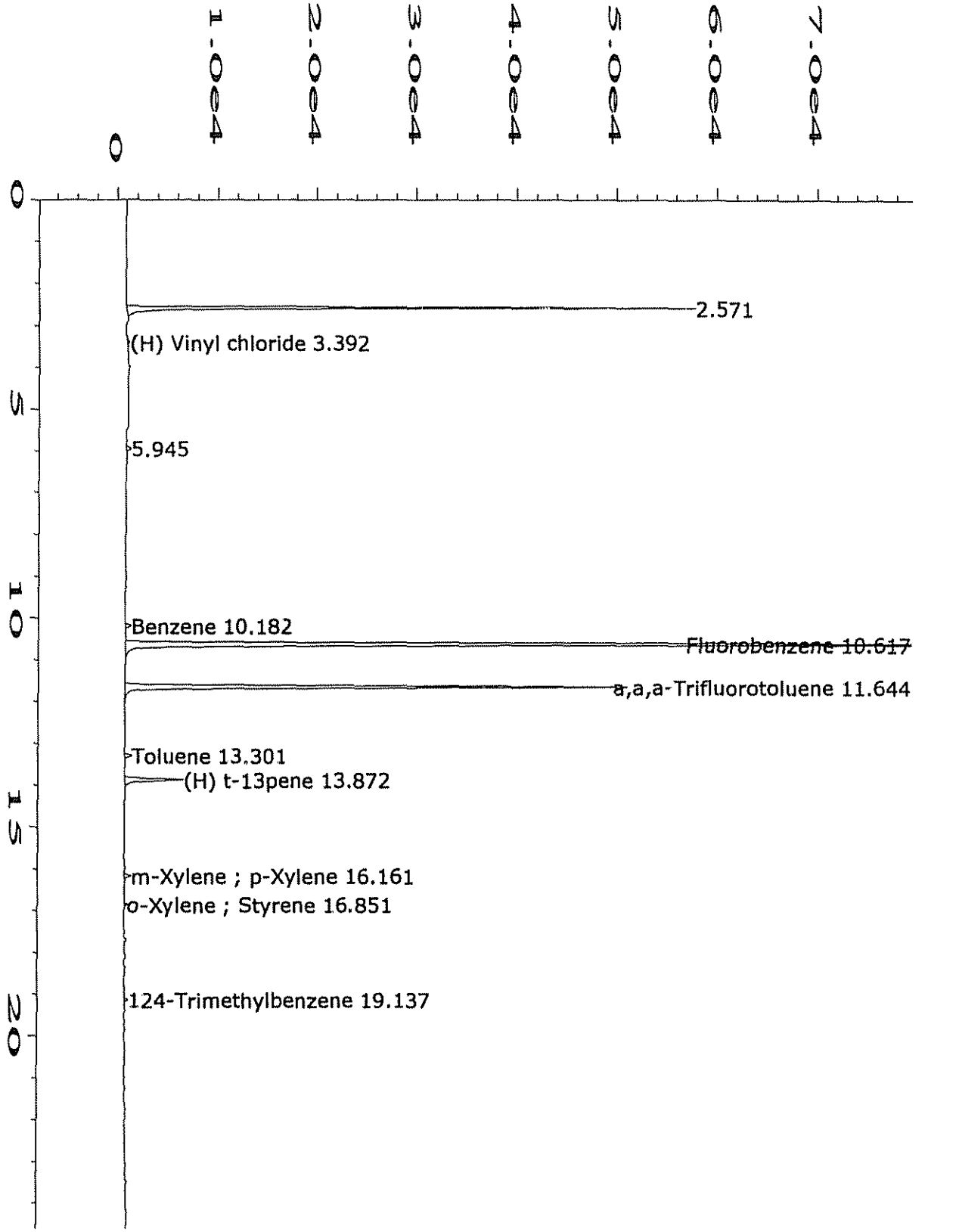
mgl 12/14

Sig. 2 in C:\HPCHEM\1\DATA\121305\018R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.392	1564	BB	0.082	1	~~-0.150~~	(H) Vinyl chloride
5.745	* not found *			1		(H) 1,1-Dichloroethene
7.119	* not found *			1		MTBE ; (H) t-12DCE
7.962	* not found *			1		DIPE
8.804	* not found *			1		(H) c-12dce
9.834	* not found *			1		(H) 11-Diclpropene
10.182	2219	BB	0.060	1	~~-0.254~~	Benzene
10.617	377636	BB	0.057	1-I	40.000	Fluorobenzene
11.174	* not found *			1		(H) Trichloroethene
11.644	202807	BB	0.063	1	99.590	a,a,a-Trifluorotoluene
12.729	* not found *			1		(H) c-13pene
13.301	2962	BB	0.063	1	~~-0.238~~	Toluene
13.872	25471	BB	0.066	1	~~4.223~~	(H) t-13pene
14.233	* not found *			1		(H) Tetrachloroethene
15.755	* not found *			1		(H) Chlorobenzene
15.940	* not found *			1		Ethylbenzene
16.161	2755	BB	0.063	1	~~-0.909~~	m-Xylene ; p-Xylene
16.851	1120	BB	0.062	1	~~-0.756~~	o-Xylene ; Styrene
17.467	* not found *			1		Isopropylbenzene
17.994	* not found *			1		(H) Bromobenzene
18.177	* not found *			1		n-Propylbenzene
18.325	* not found *			1		(H) 2Cltoluene
18.498	* not found *			1		135-Trimethylbenzene;4-cltolu
19.034	* not found *			1		tert-Butylbenzene
19.137	1315	BB	0.056	1	~~-0.256~~	124-Trimethylbenzene
19.407	* not found *			1		sec-Butylbenzene
19.597	* not found *			1		(H) 13dcb
19.750	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.368	* not found *			1		n-Butylbenzene ; (H) 12dcb
23.056	* not found *			1		(H) 124-Triclbenzene
23.327	* not found *			1		(H) Hexaclbutadiene
23.469	* not found *			1		Naphthalene
23.863	* 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\121305\018R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 18
Sample Name	: g161-2262-4a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 06:19 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 06:44 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

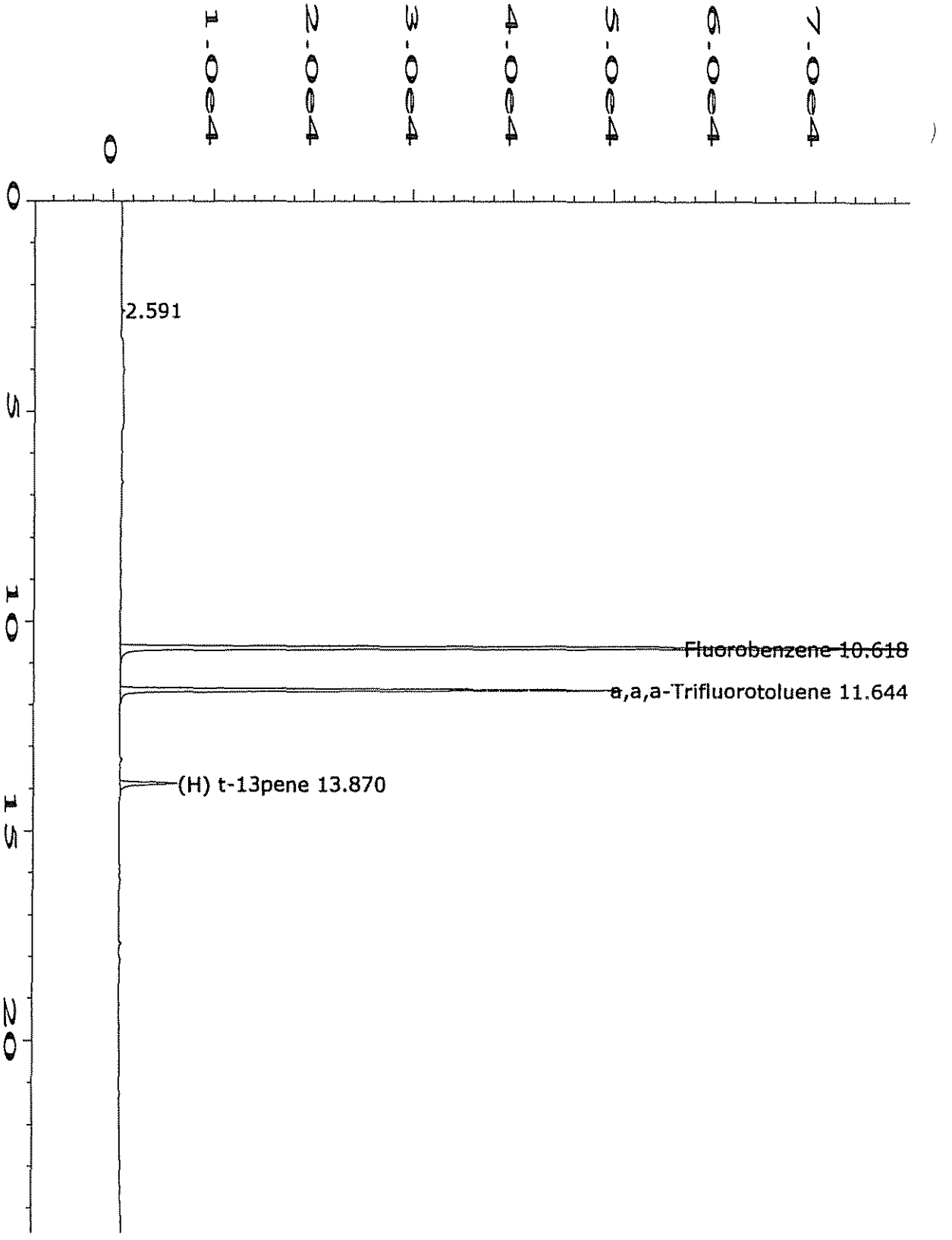
Data File Name	: C:\HPCHEM\1\DATA\121305\019R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 19
Sample Name	: g161-2262-5a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 06:50 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 07:14 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\121305\019R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.434	* not found *			1		(H) Vinyl chloride
5.745	* not found *			1		(H) 1,1-Dichloroethene
7.119	* not found *			1		MTBE ; (H) t-12DCE
7.962	* not found *			1		DIPE
8.804	* not found *			1		(H) c-12dce
9.834	* not found *			1		(H) 11-Diclpropene
10.169	* not found *			1		Benzene
10.618	376782	BB	0.057	1-I	40.000	Fluorobenzene
11.174	* not found *			1		(H) Trichloroethene
11.644	202760	BB	0.063	1	99.793	a,a,a-Trifluorotoluene
12.729	* not found *			1		(H) c-13pene
13.285	* not found *			1		Toluene
13.870	24868	BB	0.066	1	~~4.137~~	(H) t-13pene
14.233	* not found *			1		(H) Tetrachloroethene
15.755	* not found *			1		(H) Chlorobenzene
15.940	* not found *			1		Ethylbenzene
16.145	* not found *			1		m-Xylene ; p-Xylene
16.853	* not found *			1		o-Xylene ; Styrene
17.467	* not found *			1		Isopropylbenzene
17.994	* not found *			1		(H) Bromobenzene
18.177	* not found *			1		n-Propylbenzene
18.325	* not found *			1		(H) 2Cltoluene
18.498	* not found *			1		135-Trimethylbenzene;4-cltolu
19.034	* not found *			1		tert-Butylbenzene
19.120	* not found *			1		124-Trimethylbenzene
19.407	* not found *			1		sec-Butylbenzene
19.597	* not found *			1		(H) 13dcb
19.750	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.368	* not found *			1		n-Butylbenzene ; (H) 12dcb
23.056	* not found *			1		(H) 124-Triclbenzene
23.327	* not found *			1		(H) Hexaclbutadiene
23.469	* not found *			1		Naphthalene
23.863	* 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\121305\019R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 19
Sample Name	: g161-2262-5a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 06:50 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 07:14 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\121305\010R0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2262-6a
Run Time Bar Code:
Acquired on : 13 Dec 05 02:14 PM
Report Created on: 13 Dec 05 02:39 PM
Last Recalib on : 13 DEC 05 08:35 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

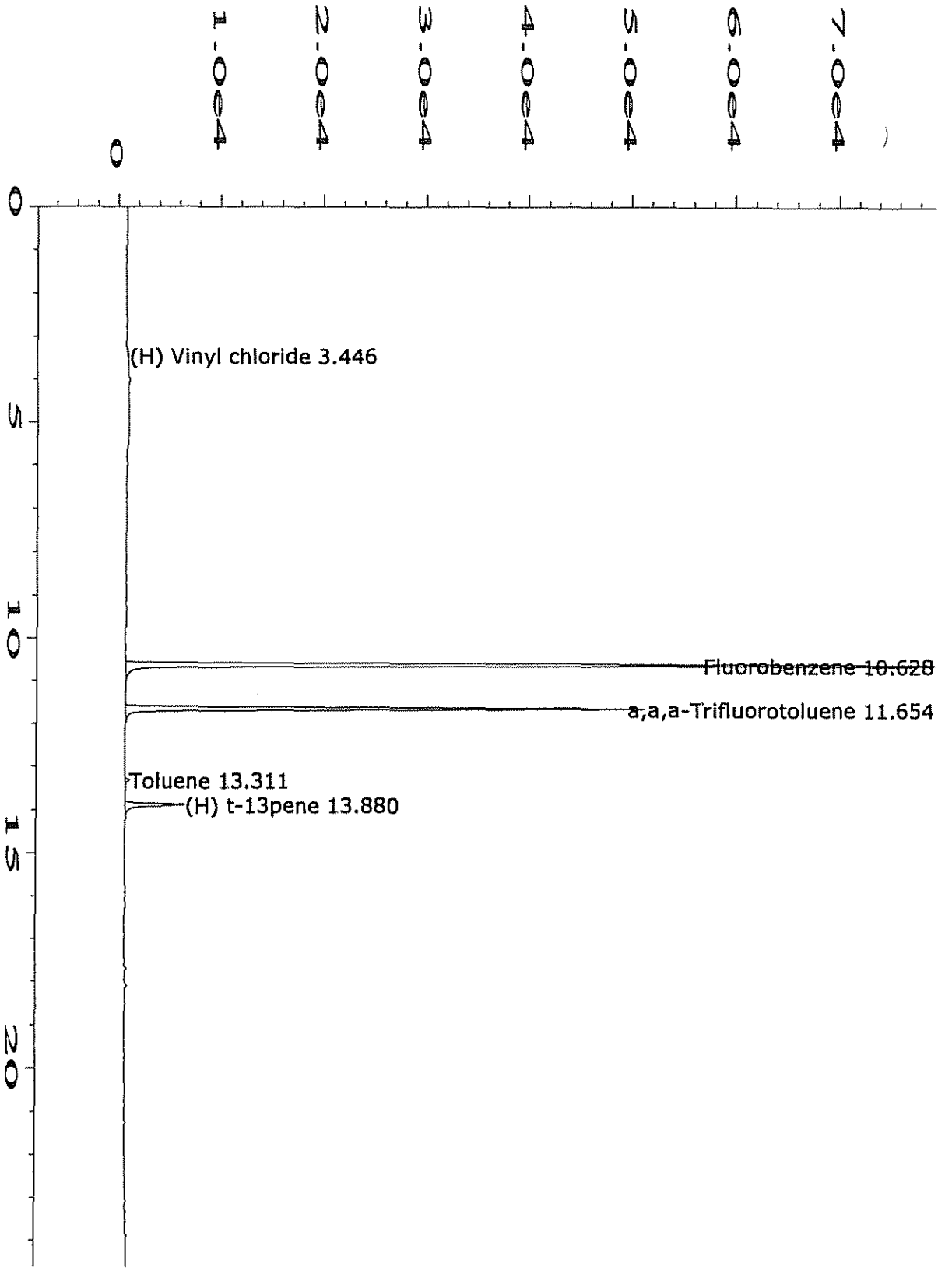
mp 12/14

Sig. 2 in C:\HPCHEM\1\DATA\121305\010R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.446	1588	BB	0.129	1	~~-0.146~~	(H) Vinyl chloride
5.745	* not found *			1		(H) 1,1-Dichloroethene
7.119	* not found *			1		MTBE ; (H) t-12DCE
7.962	* not found *			1		DIPE
8.804	* not found *			1		(H) c-12dce
9.834	* not found *			1		(H) 11-Diclpropene
10.169	* not found *			1		Benzene
10.628	378505	BB	0.057	1-I	40.000	Fluorobenzene
11.174	* not found *			1		(H) Trichloroethene
11.654	203123	BB	0.062	1	99.516	a,a,a-Trifluorotoluene
12.729	* not found *			1		(H) c-13pene
13.311	1799	BB	0.066	1	~~-0.279~~	Toluene
13.880	25931	BB	0.068	1	~~4.286~~	(H) t-13pene
14.233	* not found *			1		(H) Tetrachloroethene
15.755	* not found *			1		(H) Chlorobenzene
15.940	* not found *			1		Ethylbenzene
16.145	* not found *			1		m-Xylene ; p-Xylene
16.853	* not found *			1		o-Xylene ; Styrene
17.467	* not found *			1		Isopropylbenzene
17.994	* not found *			1		(H) Bromobenzene
18.177	* not found *			1		n-Propylbenzene
18.325	* not found *			1		(H) 2Cltoluene
18.498	* not found *			1		135-Trimethylbenzene;4-cltolu
19.034	* not found *			1		tert-Butylbenzene
19.120	* not found *			1		124-Trimethylbenzene
19.407	* not found *			1		sec-Butylbenzene
19.597	* not found *			1		(H) 13dcb
19.750	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.368	* not found *			1		n-Butylbenzene ; (H) 12dcb
23.056	* not found *			1		(H) 124-Triclbenzene
23.327	* not found *			1		(H) Hexaclbutadiene
23.469	* not found *			1		Naphthalene
23.863	* 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\121305\010R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 10
Sample Name	: g161-2262-6a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 02:14 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 02:39 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

601/602 Calibration Raw Data

Internal Standard Report

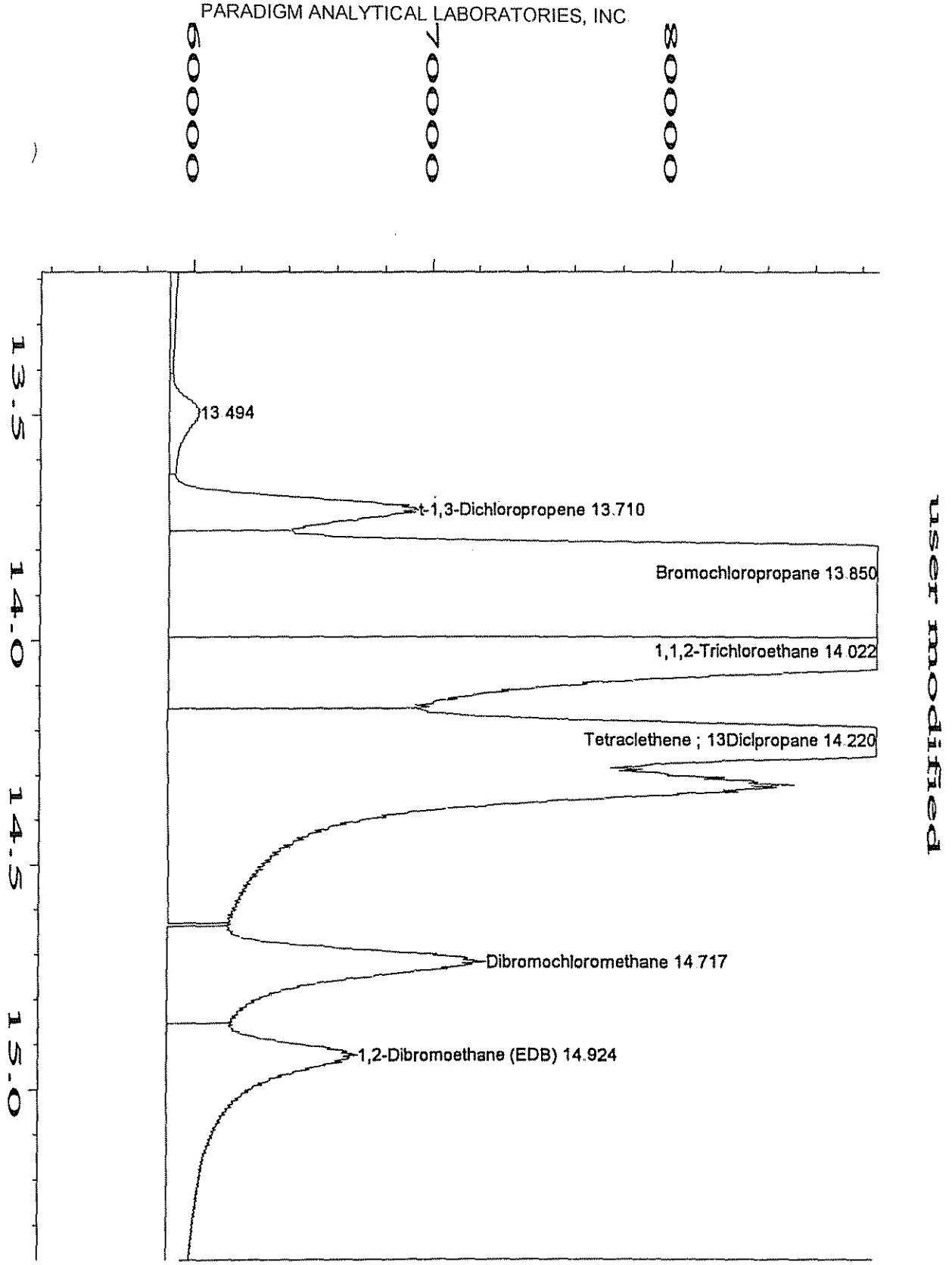
Data File Name : C:\HPCHEM\1\DATA\121205\008F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v0.5
Run Time Bar Code:
Acquired on : 12 Dec 05 12:17 PM
Report Created on: 13 Dec 05 09:18 AM
Last Recalib on : 13 DEC 05 09:11 AM
Multiplier : 1

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

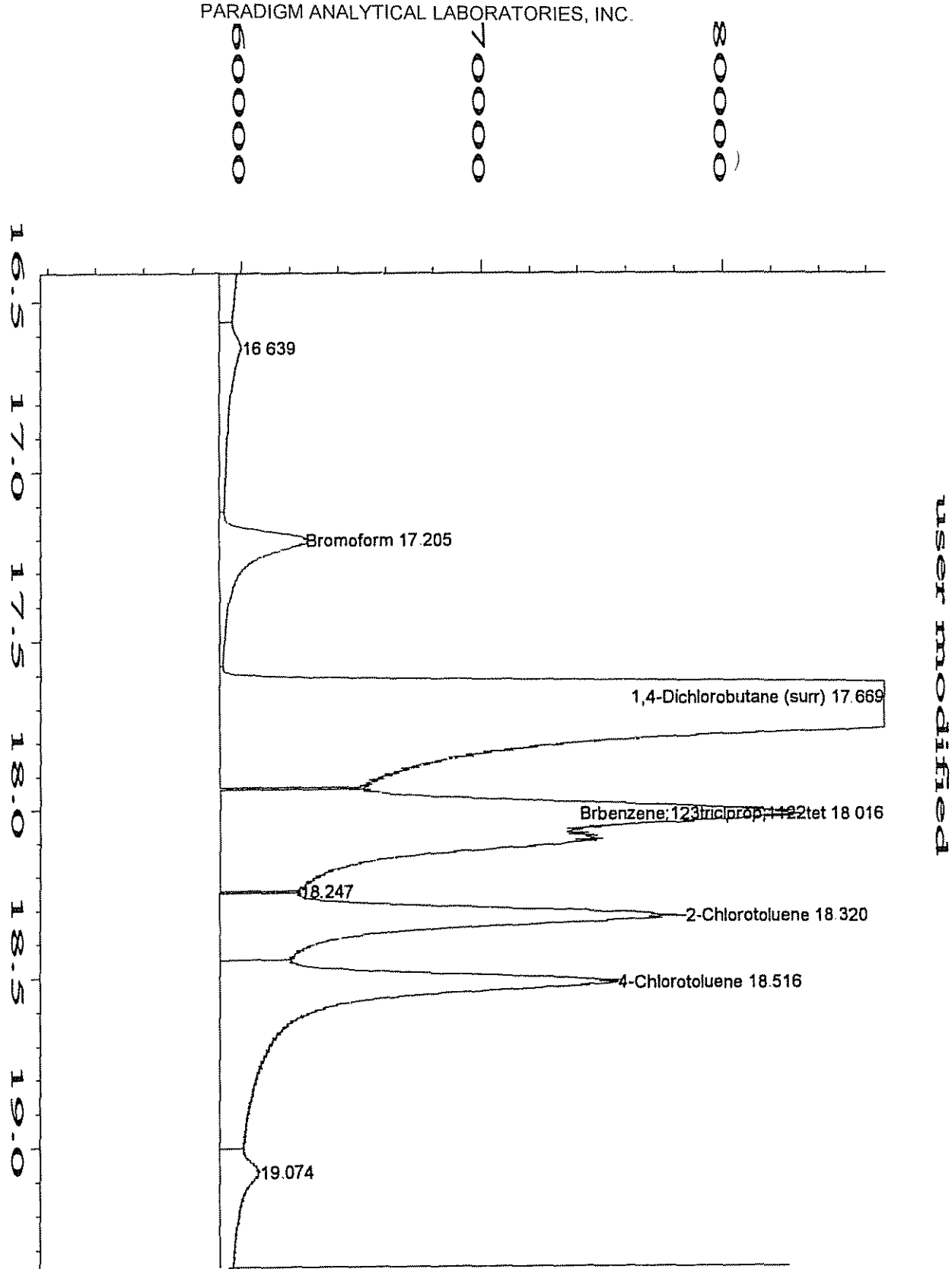
Sig. 1 in C:\HPCHEM\1\DATA\121205\008F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.906	64184	BV	0.049	1	-0.0107	Dichlorodifluoromethane
3.228	86065	VV	0.066	1	0.0734	Chloromethane
3.434	106137	VV	0.079	1	-0.0148	Vinyl chloride
4.084	22483	VV	0.088	1	0.0945	Bromomethane
4.295	89669	VV	0.089	1	0.0178	Chloroethane
4.794	122176	VV	0.142	1	0.0246	Trichlorofluoromethane
5.755	166033	VV	0.094	1	0.0945	1,1-Dichloroethene
6.662	260632	VV	0.068	1	-0.0887	Methylene chloride
7.113	194353	VV	0.068	1	-0.164	t-1,2-Dichloroethene
7.846	191364	VV	0.087	1	-0.0980	1,1-Dichloroethane
8.790	322187	VV	0.073	1	-0.523	c-12Diclethene ; 22Diclpropane
9.188	78247	VV	0.059	1	0.0130	Bromochloromethane
9.315	247583	VV	0.071	1	-0.235	Chloroform
9.568	223473	VV	0.076	1	-0.153	1,1,1-Trichloroethane
9.823	357715	VV	0.072	1	-0.515	Carbon Tetracl ; 11Diclpropene
10.221	133884	VV	0.070	1	-0.159	1,2-Dichloroethane
11.169	180593	PV	0.066	1	-0.150	Trichloroethene
11.556	230084	VV	0.087	1	-0.241	1,2-Dichloropropane
11.742	35688	VV	0.071	1	0.252	Dibromomethane
11.990	111074	VV	0.075	1	-0.0631	Bromodichloromethane
12.730	94227	VV	0.084	1	-0.109	c-1,3-Dichloropropene
13.710	40614	VV	0.058	1	0.270	t-1,3-Dichloropropene
13.850	2606848	VV	0.071	1-I	40.000	Bromochloropropane
14.022	262313	VV	0.068	1	-0.212	1,1,2-Trichloroethane
14.222	262041	VV	0.066	1	-1.270	Tetraclethene ; 13Diclpropane
14.717	79865	VV	0.083	1	0.131	Dibromochloromethane
14.924	96357	VV	0.150	1	0.194	1,2-Dibromoethane (EDB)
15.755	66072	VV	0.066	1	0.0231	Chlorobenzene
15.894	240716	VV	0.077	1	-0.289	1,1,1,2-Tetrachloroethane
17.205	24430	VV	0.084	1	0.417	Bromoform
17.669	1672190	VV	0.061	1	98.502	1,4-Dichlorobutane (surr)
18.015	126577	VV	0.074	1	-0.961	Brbenzene;123triclprop;1122tet
18.320	95884	VV	0.069	1	0.0971	2-Chlorotoluene
18.516	119903	VV	0.093	1	0.0277	4-Chlorotoluene
19.599	91225	VV	0.063	1	0.0788	1,3-Dichlorobenzene
19.753	140229	VV	0.078	1	-0.0815	1,4-Dichlorobenzene
20.384	107282	VB	0.082	1	0.150	1,2-Dichlorobenzene
21.736	5600	BB	0.109	1	0.579	1,2-Dibromo-3-chloropropane
23.067	48707	BV	0.069	1	0.630	1,2,4-Trichlorobenzene
23.323	116457	VV	0.068	1	0.301	Hexachlorobutadiene
23.870	45022	VBA	0.075	1	0.695	1,2,3-Trichlorobenzene

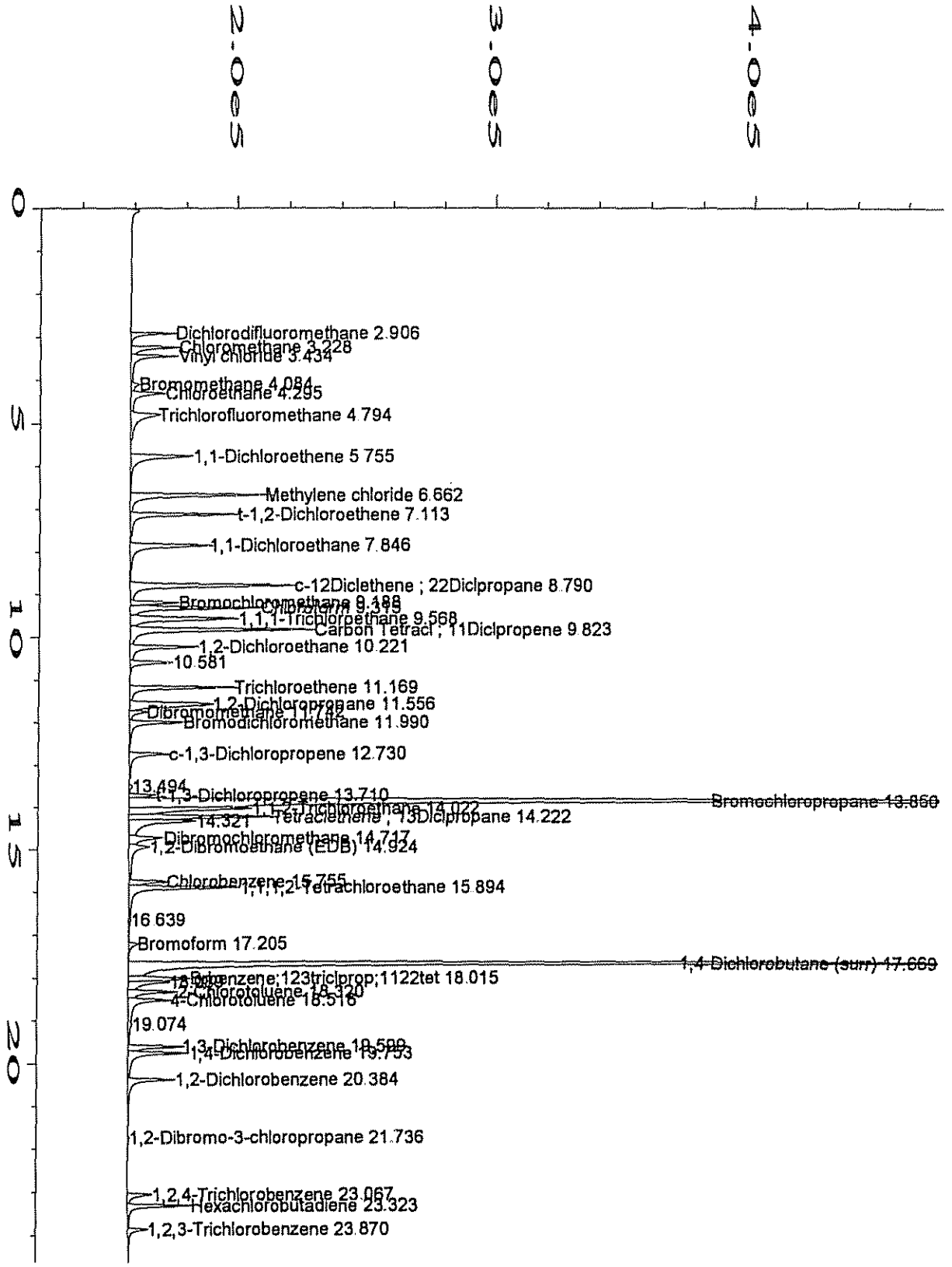
Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121205\008F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 8
Sample Name	: v0.5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 12:17 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:02 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 08:54 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



Data File Name	: C:\HPCHEM\1\DATA\121205\008E0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 8
Sample Name	: v0.5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 12:17 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:03 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 08:54 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



Data File Name	: C:\HPCHEM\1\DATA\121205\008F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 8
Sample Name	: v0.5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 12:17 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:18 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

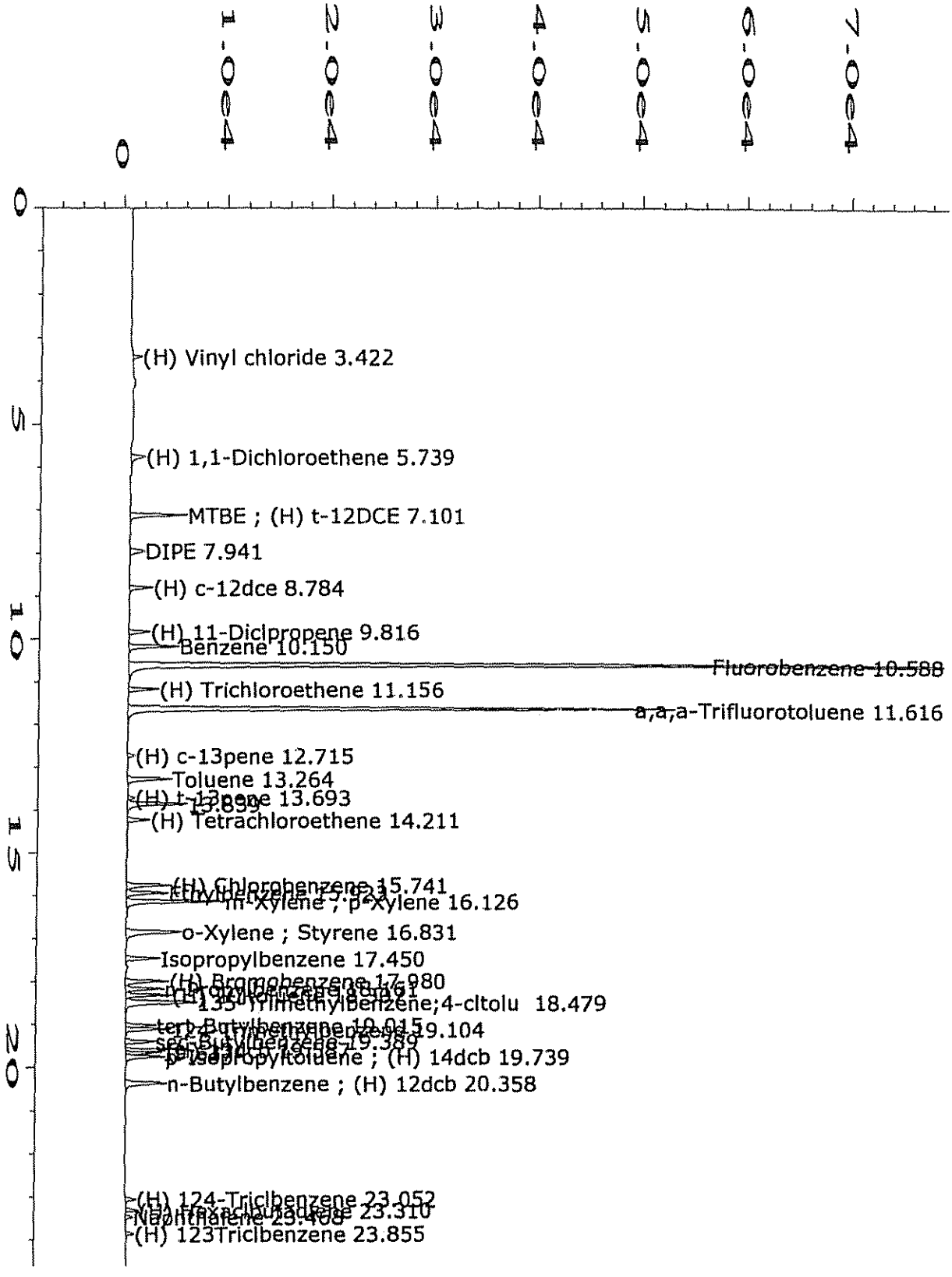
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\121205\008R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 8
Sample Name	: v0.5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 12:17 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\121205\008R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.422	3641	BB	0.055	1	0.236	(H) Vinyl chloride
5.739	8076	BB	0.084	1	0.267	(H) 1,1-Dichloroethene
7.101	21633	BB	0.059	1	0.570	MTBE ; (H) t-12DCE
7.941	7625	BB	0.079	1	0.312	DIPE
8.784	8577	BB	0.058	1	0.274	(H) c-12dce
9.816	8010	BB	0.060	1	0.275	(H) 11-Diclpropene
10.150	18881	BB	0.060	1	0.271	Benzene
10.588	387808	BB	0.058	1-I	40.000	Fluorobenzene
11.156	10904	BB	0.057	1	0.287	(H) Trichloroethene
11.616	213331	BB	0.062	1	102.010	a,a,a-Trifluorotoluene
12.715	2899	BB	0.060	1	0.425	(H) c-13pene
13.264	17449	BB	0.062	1	0.255	Toluene
13.693	2617	BV	0.059	1	0.606	(H) t-13pene
14.211	8489	BB	0.061	1	0.297	(H) Tetrachloroethene
15.741	17444	BV	0.060	1	0.291	(H) Chlorobenzene
15.923	16373	VV	0.061	1	0.195	Ethylbenzene
16.126	38115	VB	0.061	1	0.326	m-Xylene ; p-Xylene
16.831	30317	BV	0.087	1	0.455	o-Xylene ; Styrene
17.450	12458	BV	0.058	1	0.258	Isopropylbenzene
17.980	16093	BV	0.057	1	0.311	(H) Bromobenzene
18.161	13811	VV	0.057	1	0.292	n-Propylbenzene
18.307	15924	VV	0.053	1	0.239	(H) 2Cltoluene
18.479	36982	VV	0.074	1	0.426	135-Trimethylbenzene;4-cltolu
19.015	10433	BV	0.055	1	0.326	tert-Butylbenzene
19.104	15772	VV	0.055	1	0.343	124-Trimethylbenzene
19.389	10466	VV	0.055	1	0.356	sec-Butylbenzene
19.587	12438	VV	0.048	1	0.407	(H) 13dcb
19.739	14782	VB	0.057	1	0.485	p-Isopropyltoluene ; (H) 14dcb
20.358	18863	BB	0.073	1	0.862	n-Butylbenzene ; (H) 12dcb
23.052	3922	BB	0.056	1	0.887	(H) 124-Triclbenzene
23.310	4106	BV	0.053	1	0.721	(H) Hexaclbutadiene
23.468	2862	PB	0.061	1	1.126	Naphthalene
23.855	2881	BB	0.054	1	1.243	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121205\008R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 8
Sample Name	: v0.5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 12:17 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:18 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

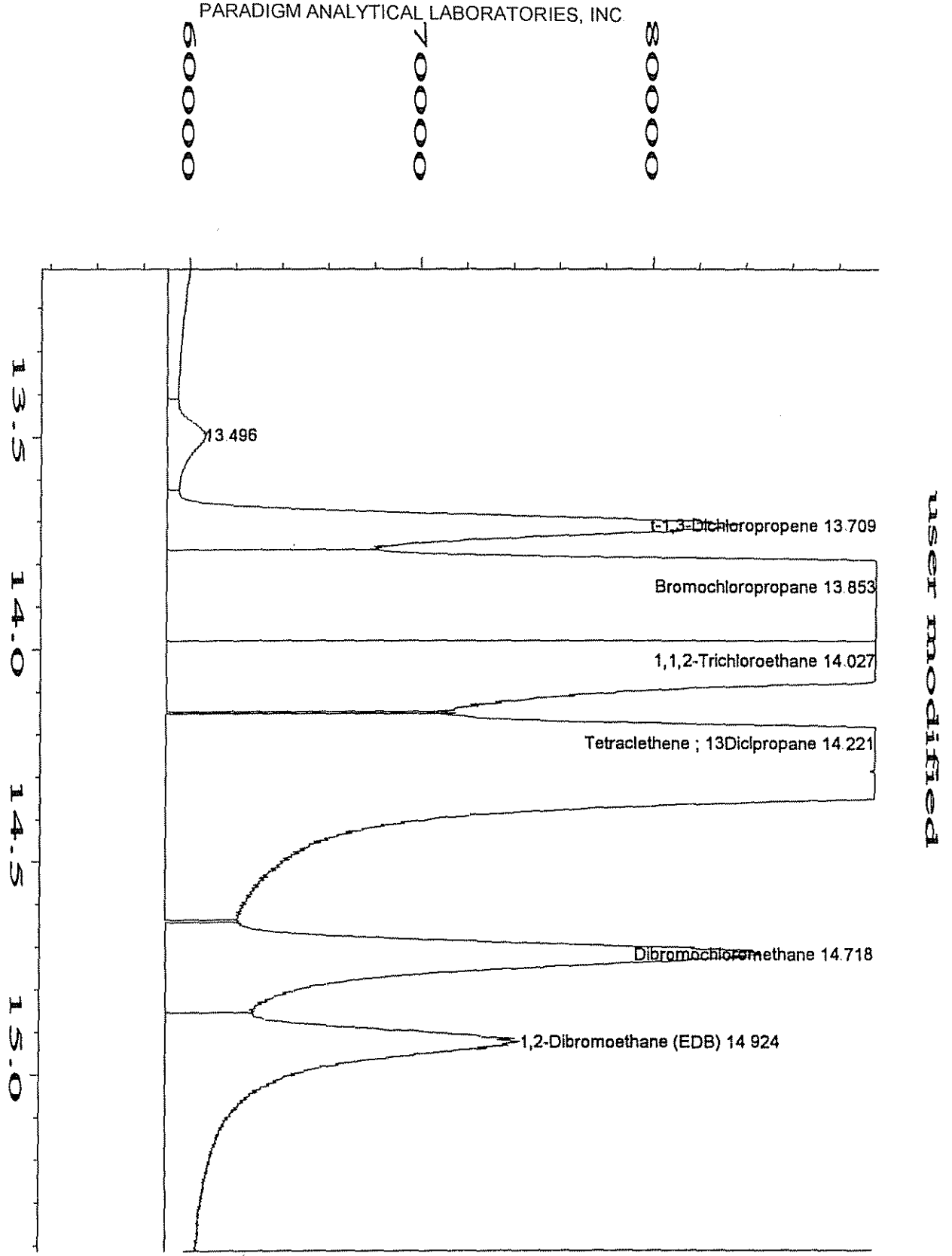
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\121205\009F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 9
Sample Name	: v1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 12:47 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:18 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

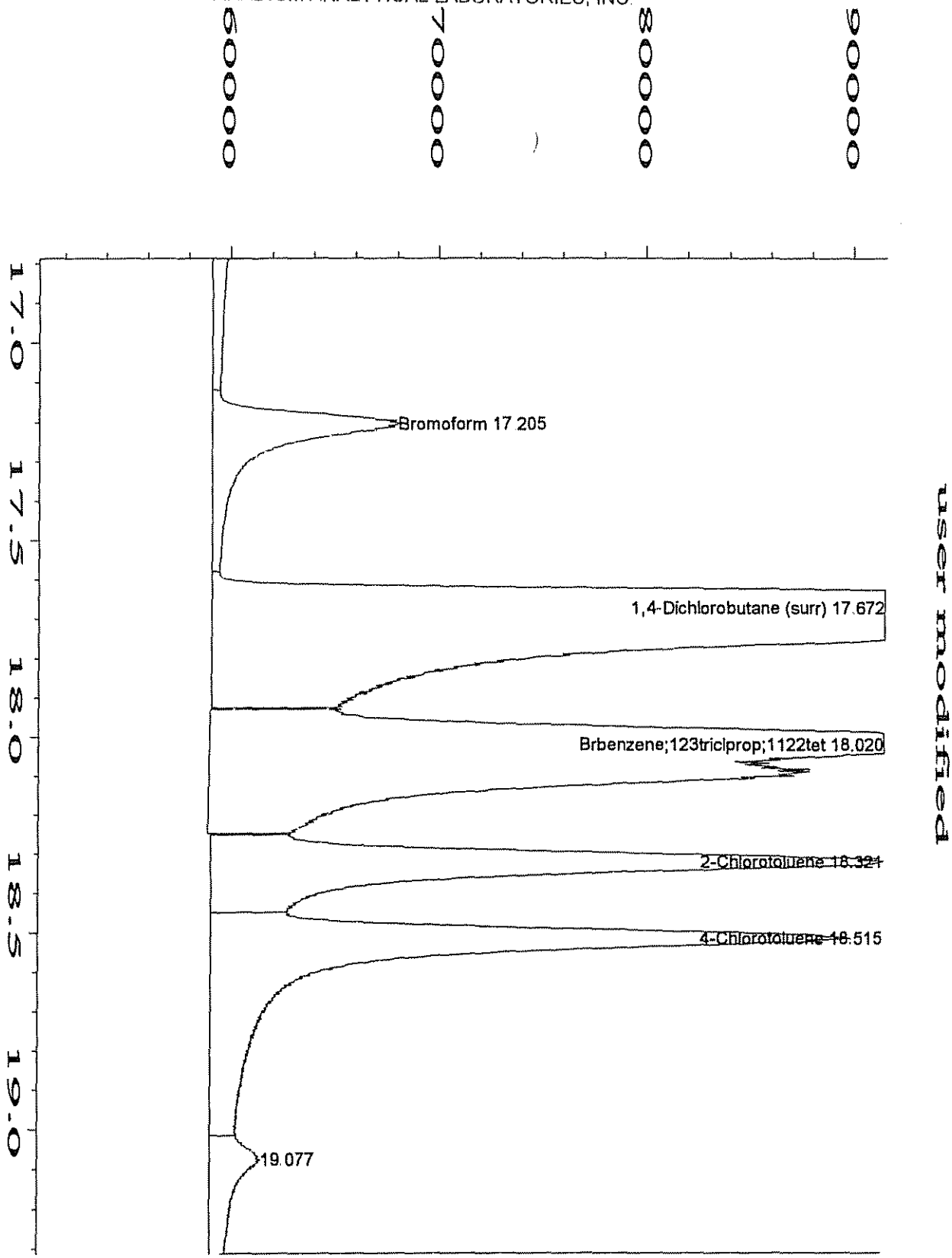
Sig. 1 in C:\HPCHEM\1\DATA\121205\009F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.907	147629	BV	0.046	1	0.702	Dichlorodifluoromethane
3.228	191506	VV	0.059	1	0.813	Chloromethane
3.436	204739	VV	0.066	1	0.816	Vinyl chloride
4.084	41268	VV	0.075	1	0.564	Bromomethane
4.296	182585	VV	0.080	1	0.760	Chloroethane
4.791	246493	VV	0.116	1	0.760	Trichlorofluoromethane
5.756	324095	VV	0.089	1	0.808	1,1-Dichloroethene
6.662	435638	VV	0.072	1	0.717	Methylene chloride
7.114	370256	VV	0.063	1	0.655	t-1,2-Dichloroethene
7.847	379032	VV	0.083	1	0.717	1,1-Dichloroethane
8.791	627025	VV	0.071	1	1.226	c-12Diclethene ; 22Diclpropane
9.190	164319	VV	0.062	1	0.780	Bromochloromethane
9.316	484865	VV	0.067	1	0.661	Chloroform
9.570	424098	VV	0.074	1	0.669	1,1,1-Trichloroethane
9.824	672542	VV	0.074	1	1.132	Carbon Tetracl ; 11Diclpropene
10.222	270781	VV	0.070	1	0.723	1,2-Dichloroethane
11.171	377587	VV	0.060	1	0.695	Trichloroethene
11.547	403030	VV	0.082	1	0.729	1,2-Dichloropropane
11.741	88637	VV	0.070	1	0.912	Dibromomethane
11.991	264655	VV	0.077	1	0.793	Bromodichloromethane
12.728	212889	VV	0.077	1	0.675	c-1,3-Dichloropropene
13.709	98288	VV	0.062	1	0.822	t-1,3-Dichloropropene
13.853	2505042	VV	0.074	1-I	40.000	Bromochloropropane
14.027	388020	VV	0.083	1	0.741	1,1,2-Trichloroethane
14.225	439029	VV	0.067	1	-0.280	Tetraclethene ; 13Diclpropane
14.718	139801	VV	0.077	1	0.777	Dibromochloromethane
14.924	154351	VV	0.128	1	0.983	1,2-Dibromoethane (EDB)
15.757	132840	VV	0.062	1	0.727	Chlorobenzene
15.896	429209	VV	0.073	1	0.619	1,1,1,2-Tetrachloroethane
17.205	55073	VV	0.085	1	0.989	Bromoform
17.672	1659948	VV	0.060	1	101.755	1,4-Dichlorobutane (surr)
18.016	224296	VV	0.074	1	0.561	Brbenzene;123triclprop;1122tet
18.321	151110	VV	0.066	1	0.731	2-Chlorotoluene
18.515	182430	VV	0.081	1	0.727	4-Chlorotoluene
19.600	176574	VV	0.060	1	0.800	1,3-Dichlorobenzene
19.752	244160	VV	0.076	1	0.733	1,4-Dichlorobenzene
20.384	200388	VV	0.078	1	1.014	1,2-Dichlorobenzene
21.732	17215	VB	0.123	1	1.304	1,2-Dibromo-3-chloropropane
23.066	93460	BV	0.066	1	1.170	1,2,4-Trichlorobenzene
23.325	204617	VV	0.068	1	1.028	Hexachlorobutadiene
23.871	85356	VBA	0.073	1	1.332	1,2,3-Trichlorobenzene

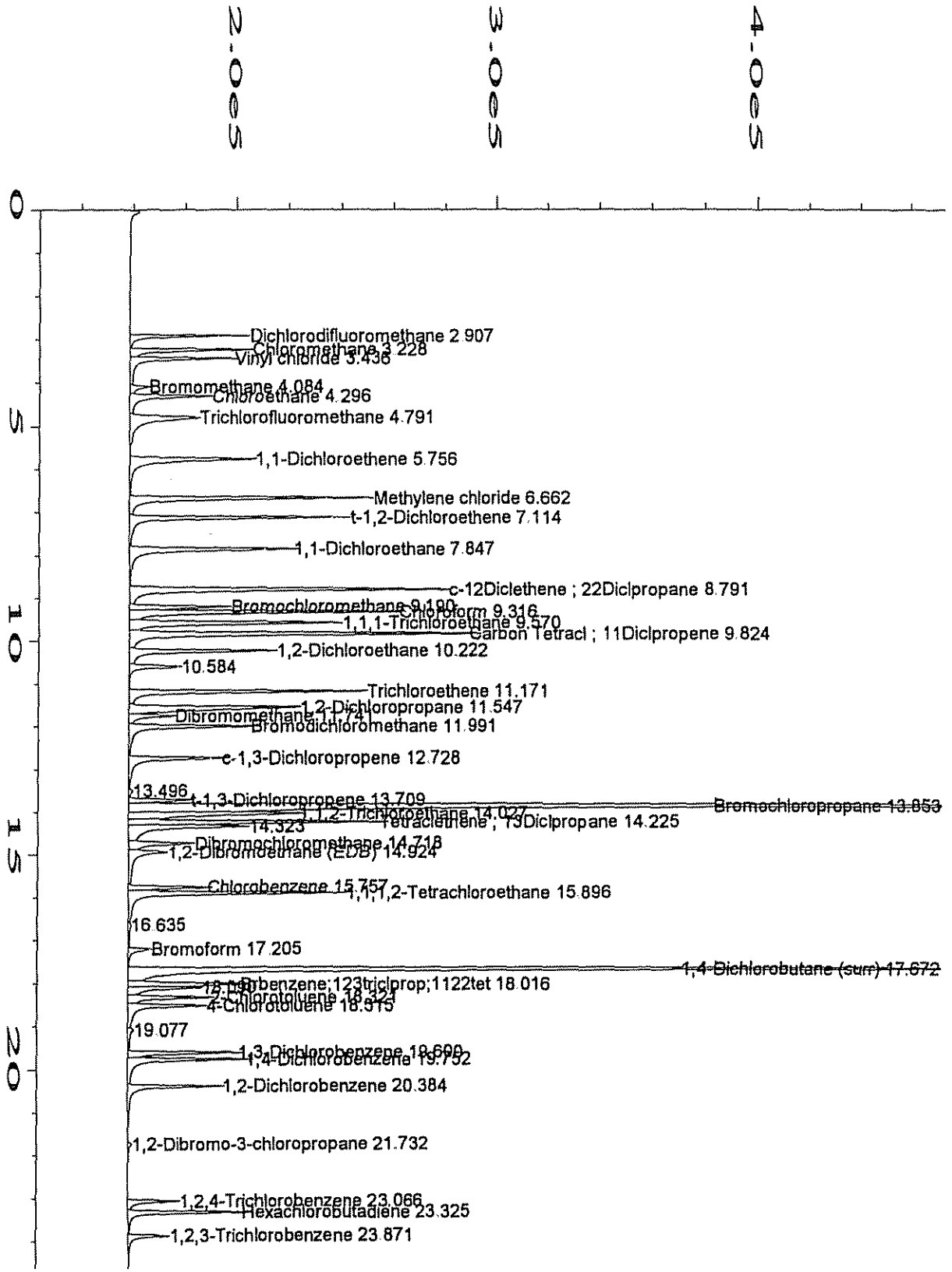
Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121205\009F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 9
Sample Name	: v1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 12:47 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:03 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 Dec 05 09:03 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



Data File Name	: C:\HPCHEM\1\DATA\121205\009F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 9
Sample Name	: v1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 12:47 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:04 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 Dec 05 09:03 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



Data File Name	: C:\HPCHEM\1\DATA\121205\009F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 9
Sample Name	: v1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 12:47 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:18 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

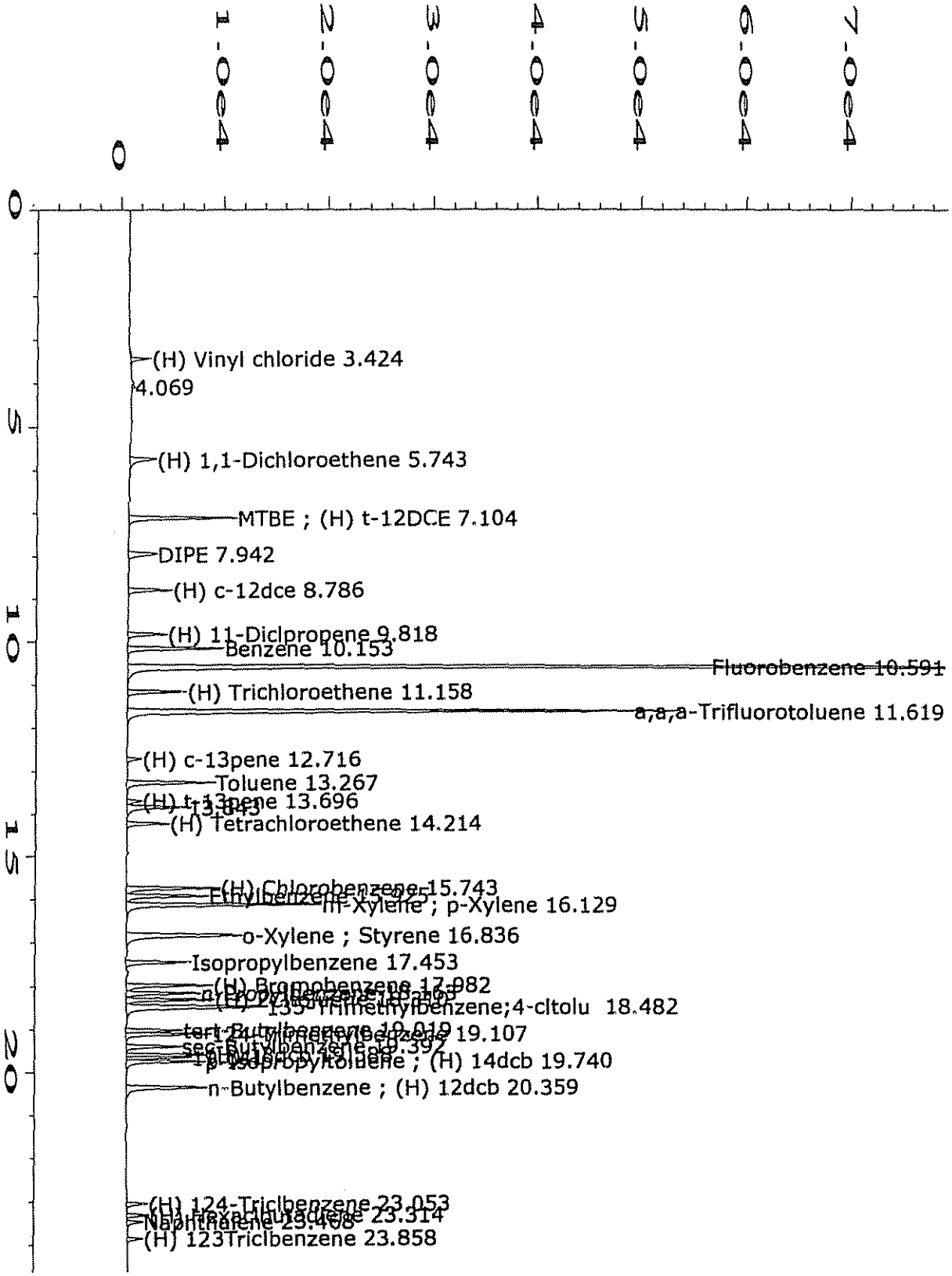
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\121205\009R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 9
Sample Name	: v1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 12:47 PM	Instrument Method	: 8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\121205\009R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.424	7400	BB	0.051	1	0.936	(H) Vinyl chloride
5.743	14944	BV	0.080	1	0.786	(H) 1,1-Dichloroethene
7.104	40905	BB	0.060	1	1.599	MTBE ; (H) t-12DCE
7.942	15308	BB	0.080	1	0.850	DIPE
8.786	16470	BB	0.058	1	0.807	(H) c-12dce
9.818	15029	BB	0.060	1	0.788	(H) 11-Diclpropene
10.153	35774	BB	0.059	1	0.795	Benzene
10.591	391415	BB	0.057	1-I	40.000	Fluorobenzene
11.158	21151	BB	0.056	1	0.834	(H) Trichloroethene
11.619	216143	BB	0.063	1	102.402	a,a,a-Trifluorotoluene
12.716	6086	BB	0.061	1	0.943	(H) c-13pene
13.267	35090	BB	0.062	1	0.847	Toluene
13.696	5565	BV	0.059	1	1.051	(H) t-13pene
14.214	16268	BB	0.061	1	0.845	(H) Tetrachloroethene
15.743	34478	BV	0.058	1	0.871	(H) Chlorobenzene
15.925	31331	VV	0.059	1	0.783	Ethylbenzene
16.129	72626	VB	0.058	1	1.510	m-Xylene ; p-Xylene
16.836	58759	BV	0.082	1	1.613	o-Xylene ; Styrene
17.453	23508	BV	0.057	1	0.828	Isopropylbenzene
17.982	30871	BV	0.053	1	0.889	(H) Bromobenzene
18.163	25948	VV	0.053	1	0.845	n-Propylbenzene
18.310	29965	VV	0.052	1	0.817	(H) 2Cltoluene
18.482	69077	VV	0.071	1	1.568	135-Trimethylbenzene;4-cltolu
19.019	19617	BV	0.055	1	0.880	tert-Butylbenzene
19.107	29328	VV	0.053	1	0.895	124-Trimethylbenzene
19.392	19518	VV	0.055	1	0.897	sec-Butylbenzene
19.588	25276	VV	0.048	1	0.942	(H) 13dcb
19.740	27923	VB	0.054	1	1.637	p-Isopropyltoluene ; (H) 14dcb
20.359	36354	BB	0.071	1	1.971	n-Butylbenzene ; (H) 12dcb
23.053	8059	BV	0.056	1	1.384	(H) 124-Triclbenzene
23.314	7715	VV	0.053	1	1.271	(H) Hexaclbutadiene
23.468	6275	VB	0.057	1	1.604	Naphthalene
23.858	5679	BB	0.053	1	1.696	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121205\009R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 9
Sample Name	: v1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 12:47 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

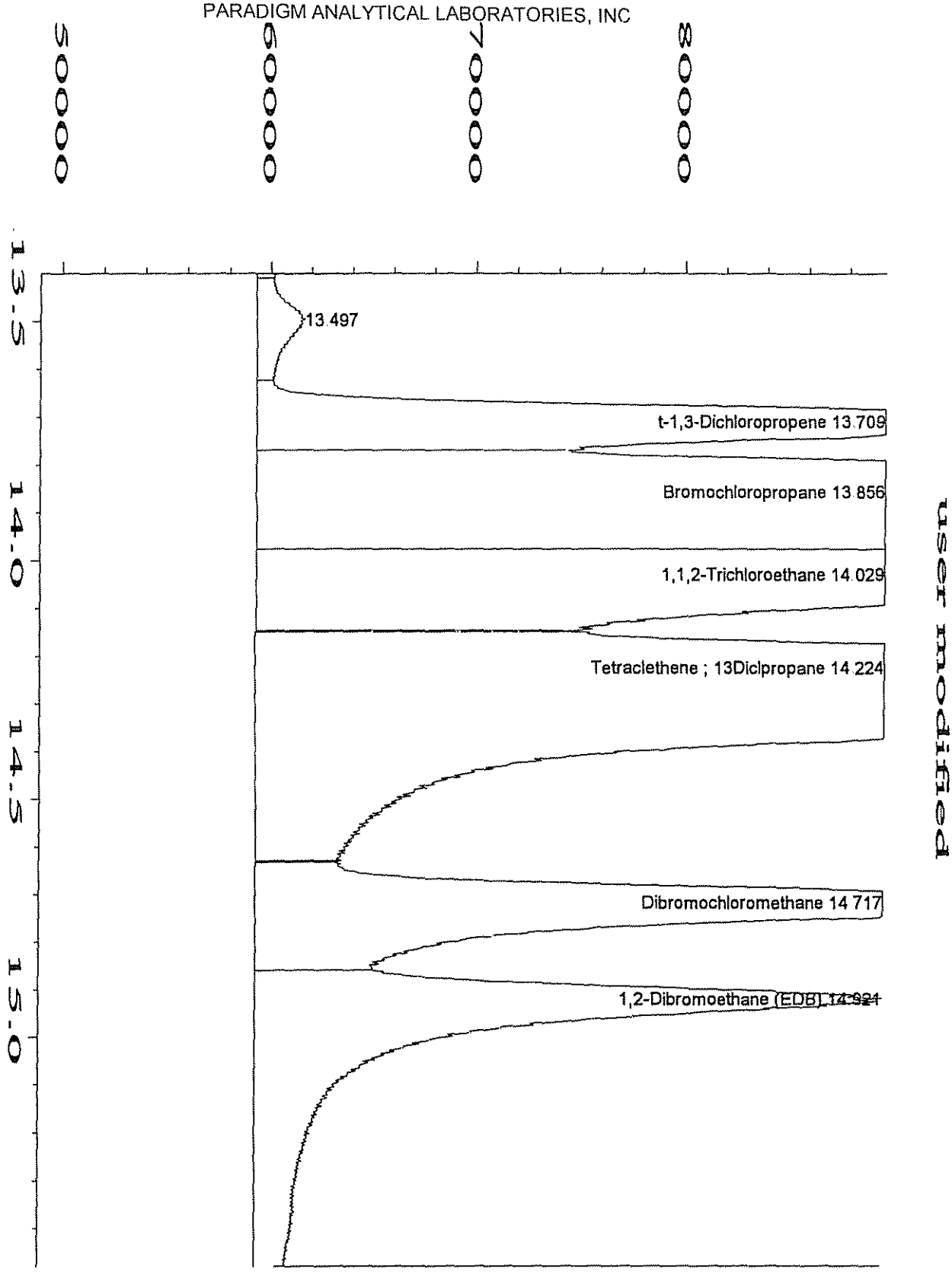
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\121205\010F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 10
Sample Name	: v2	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 01:17 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 1 in C:\HPCHEM\1\DATA\121205\010F0101.D

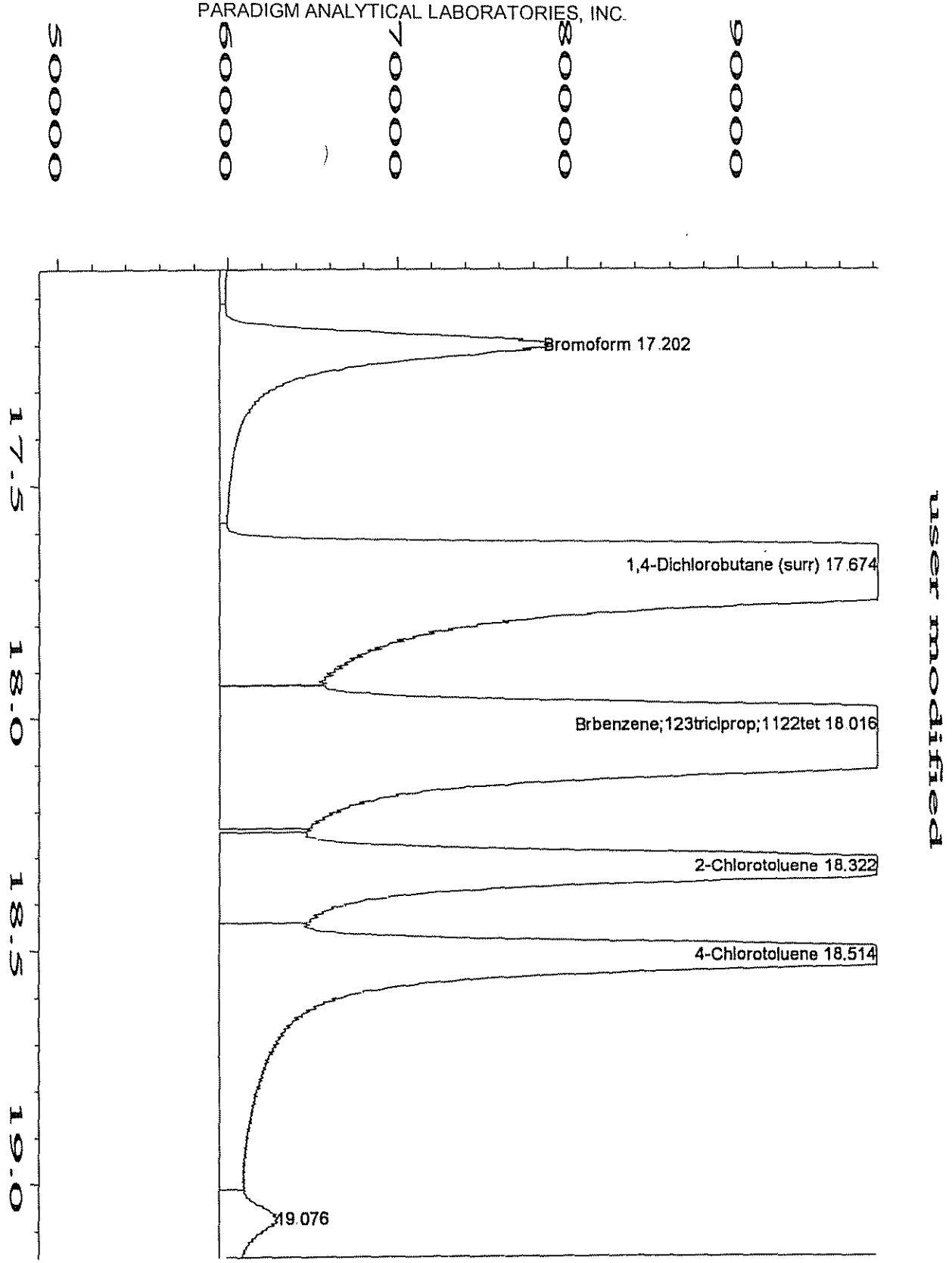
Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.907	324900	BV	0.046	1	1.977	Dichlorodifluoromethane
3.229	394668	VV	0.059	1	2.000	Chloromethane
3.436	382847	VV	0.061	1	2.032	Vinyl chloride
4.083	96719	VV	0.069	1	1.722	Bromomethane
4.296	365824	VV	0.078	1	1.968	Chloroethane
4.792	492322	VV	0.114	1	1.959	Trichlorofluoromethane
5.755	645185	VV	0.095	1	1.997	1,1-Dichloroethene
6.664	774718	VV	0.071	1	1.948	Methylene chloride
7.116	698589	VV	0.062	1	1.896	t-1,2-Dichloroethene
7.849	717225	VV	0.079	1	1.912	1,1-Dichloroethane
8.792	1175367	VV	0.072	1	3.780	c-12Diclethene ; 22Diclpropane
9.191	319864	VV	0.063	1	1.921	Bromochloromethane
9.317	892261	VV	0.066	1	1.907	Chloroform
9.570	799862	VV	0.071	1	1.918	1,1,1-Trichloroethane
9.825	1284893	VV	0.071	1	3.735	Carbon Tetracl ; 11Diclpropene
10.223	504626	VV	0.069	1	1.948	1,2-Dichloroethane
11.172	739660	VV	0.060	1	1.974	Trichloroethene
11.545	686987	VV	0.076	1	1.979	1,2-Dichloropropane
11.741	184183	VV	0.065	1	1.910	Dibromomethane
11.991	504725	VV	0.076	1	1.897	Bromodichloromethane
12.728	424573	VV	0.069	1	1.835	c-1,3-Dichloropropene
13.709	222065	VV	0.056	1	1.826	t-1,3-Dichloropropene
13.856	2699898	VV	0.074	1-I	40.000	Bromochloropropane
14.029	608555	VV	0.074	1	1.979	1,1,2-Trichloroethane
14.225	822583	VV	0.065	1	1.435	Tetraclethene ; 13Diclpropane
14.717	262584	VV	0.073	1	1.839	Dibromochloromethane
14.921	251829	VV	0.106	1	1.997	1,2-Dibromoethane (EDB)
15.756	258730	VV	0.058	1	1.815	Chlorobenzene
15.896	779353	VV	0.072	1	1.968	1,1,1,2-Tetrachloroethane
17.202	105403	VV	0.079	1	1.763	Bromoform
17.674	1735682	VV	0.061	1	98.718	1,4-Dichlorobutane (surr)
18.017	388203	VV	0.069	1	2.574	Brbenzene;123triclprop;1122tet
18.322	270466	VV	0.063	1	1.805	2-Chlorotoluene
18.514	308347	VV	0.071	1	1.805	4-Chlorotoluene
19.598	315610	VV	0.057	1	1.742	1,3-Dichlorobenzene
19.751	411039	VV	0.067	1	1.755	1,4-Dichlorobenzene
20.383	305648	VV	0.061	1	1.753	1,2-Dichlorobenzene
21.727	25160	BB	0.096	1	1.680	1,2-Dibromo-3-chloropropane
23.063	167547	BV	0.063	1	1.888	1,2,4-Trichlorobenzene
23.325	336402	VV	0.064	1	1.871	Hexachlorobutadiene
23.869	139033	VBA	0.067	1	1.992	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0

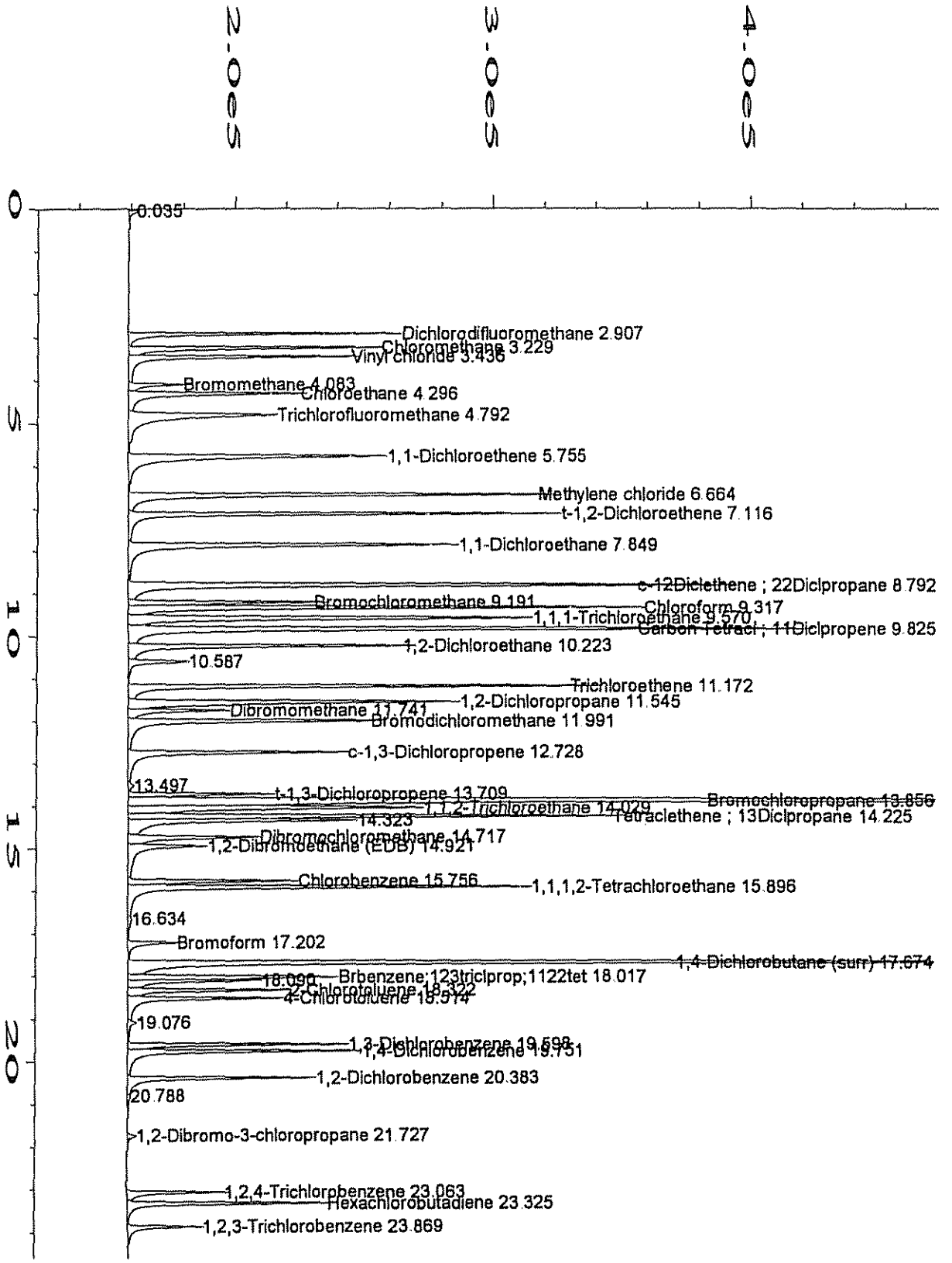


Data File Name : C:\HPCHEM\1\DATA\121205\010F0101.D

Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 10
Sample Name	: v2	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 01:17 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:05 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 Dec 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



Data File Name	: C:\HPCHEM\1\DATA\121205\010F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 10
Sample Name	: v2	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 01:17 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:05 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 Dec 05 09:04 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



Data File Name	: C:\HPCHEM\1\DATA\121205\010F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 10
Sample Name	: v2	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 01:17 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

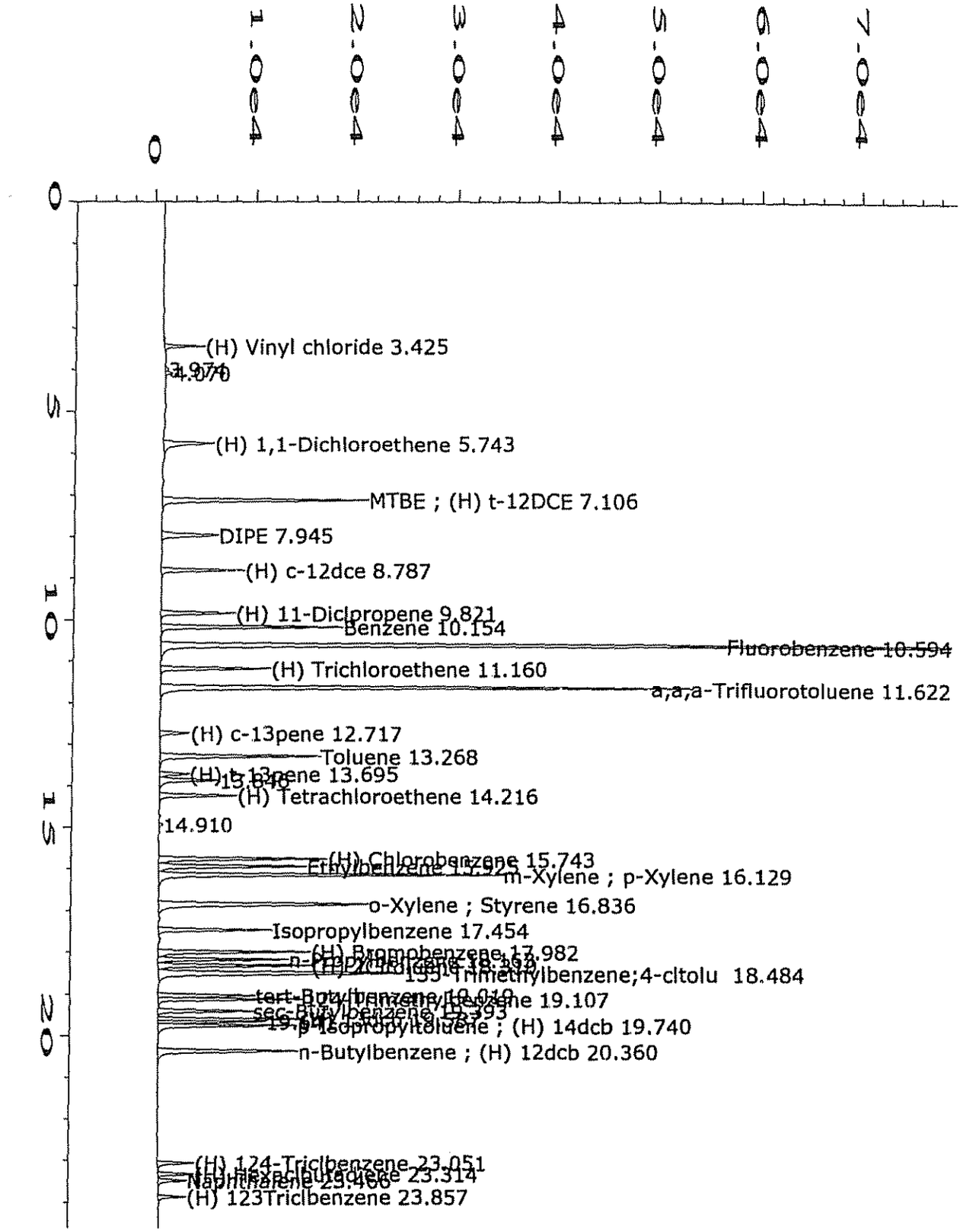
Data File Name : C:\HPCHEM\1\DATA\121205\010R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v2
Run Time Bar Code:
Acquired on : 12 Dec 05 01:17 PM
Report Created on: 13 Dec 05 09:18 AM
Last Recalib on : 13 DEC 05 08:35 AM
Multiplier : 1

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\121205\010R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.425	13386	BB	0.048	1	2.066	(H) Vinyl chloride
5.743	28163	BV	0.081	1	1.802	(H) 1,1-Dichloroethene
7.106	79329	BB	0.059	1	3.681	MTBE ; (H) t-12DCE
7.945	29569	BB	0.079	1	1.864	DIPE
8.787	31799	BB	0.058	1	1.857	(H) c-12dce
9.821	29176	BB	0.059	1	1.837	(H) 11-Diclpropene
10.154	68764	BB	0.058	1	1.834	Benzene
10.594	390483	BB	0.057	1-I	40.000	Fluorobenzene
11.160	40158	BB	0.056	1	1.866	(H) Trichloroethene
11.622	215513	BB	0.063	1	102.348	a,a,a-Trifluorotoluene
12.717	11738	BB	0.059	1	1.874	(H) c-13pene
13.268	65017	BV	0.061	1	1.866	Toluene
13.695	11457	VV	0.059	1	1.952	(H) t-13pene
14.216	30745	VB	0.061	1	1.879	(H) Tetrachloroethene
15.743	62422	BV	0.057	1	1.836	(H) Chlorobenzene
15.925	56170	VV	0.058	1	1.774	Ethylbenzene
16.129	128756	VB	0.057	1	3.467	m-Xylene ; p-Xylene
16.836	104193	BV	0.079	1	3.491	o-Xylene ; Styrene
17.454	41555	BV	0.057	1	1.773	Isopropylbenzene
17.982	54090	BV	0.054	1	1.813	(H) Bromobenzene
18.163	45643	VV	0.053	1	1.758	n-Propylbenzene
18.310	52300	VV	0.052	1	1.753	(H) 2Cltoluene
18.484	119766	VV	0.078	1	3.403	135-Trimethylbenzene;4-cltolu
19.019	34448	BV	0.055	1	1.790	tert-Butylbenzene
19.107	50251	VV	0.052	1	1.761	124-Trimethylbenzene
19.393	34020	VV	0.056	1	1.778	sec-Butylbenzene
19.587	45395	VV	0.048	1	1.793	(H) 13dcb
19.740	48621	VB	0.052	1	3.480	p-Isopropyltoluene ; (H) 14dcb
20.360	61430	BB	0.068	1	3.586	n-Butylbenzene ; (H) 12dcb
23.051	13366	BV	0.054	1	2.032	(H) 124-Triclbenzene
23.314	12404	VV	0.054	1	1.999	(H) Hexaclbutadiene
23.466	10545	VB	0.055	1	2.209	Naphthalene
23.857	9503	BB	0.052	1	2.326	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121205\010R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 10
Sample Name	: v2	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 01:17 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:18 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

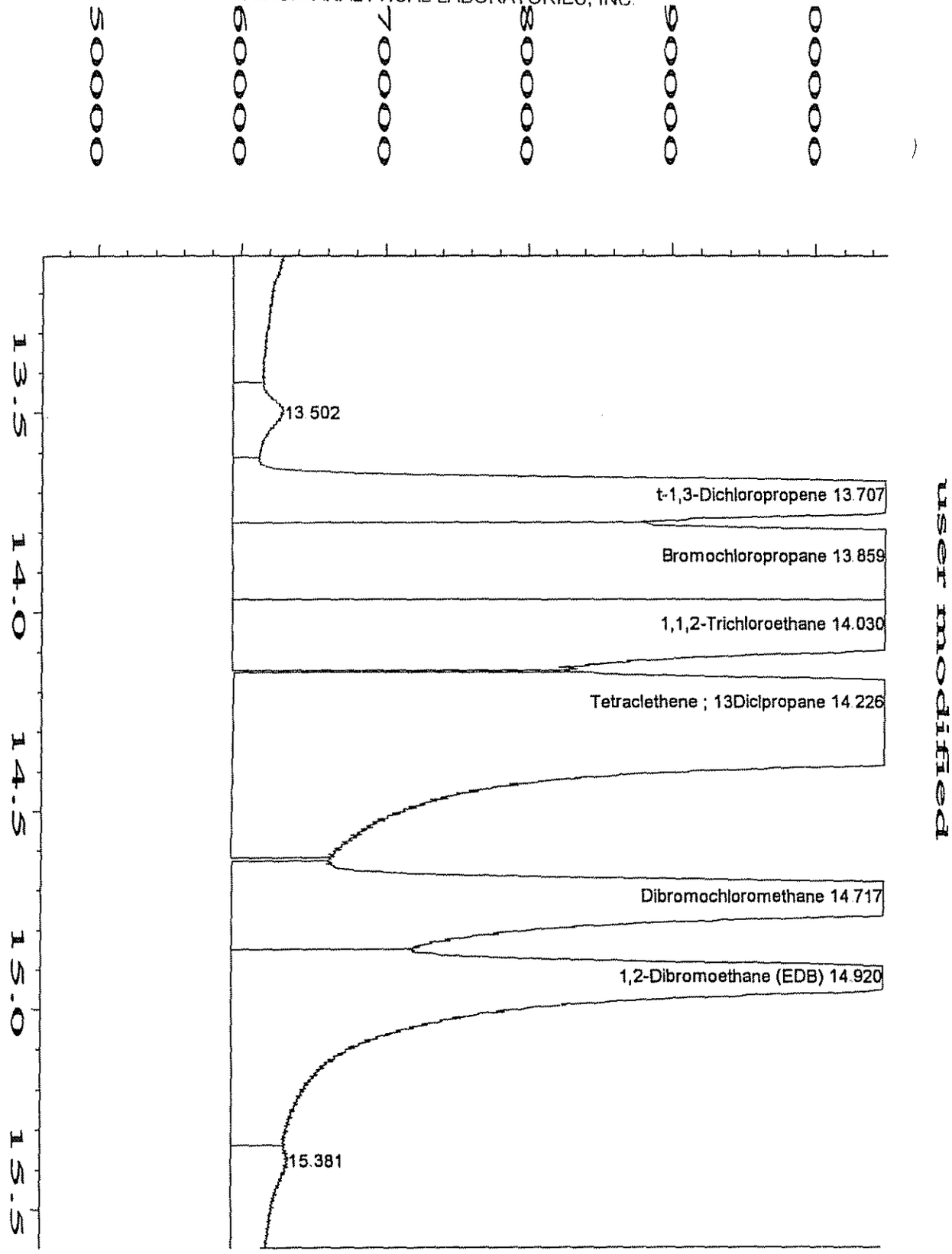
Data File Name : C:\HPCHEM\1\DATA\121205\011F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v5
Run Time Bar Code:
Acquired on : 12 Dec 05 01:48 PM
Report Created on: 13 Dec 05 09:18 AM
Last Recalib on : 13 DEC 05 09:11 AM
Multiplier : 1

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\121205\011F0101.D

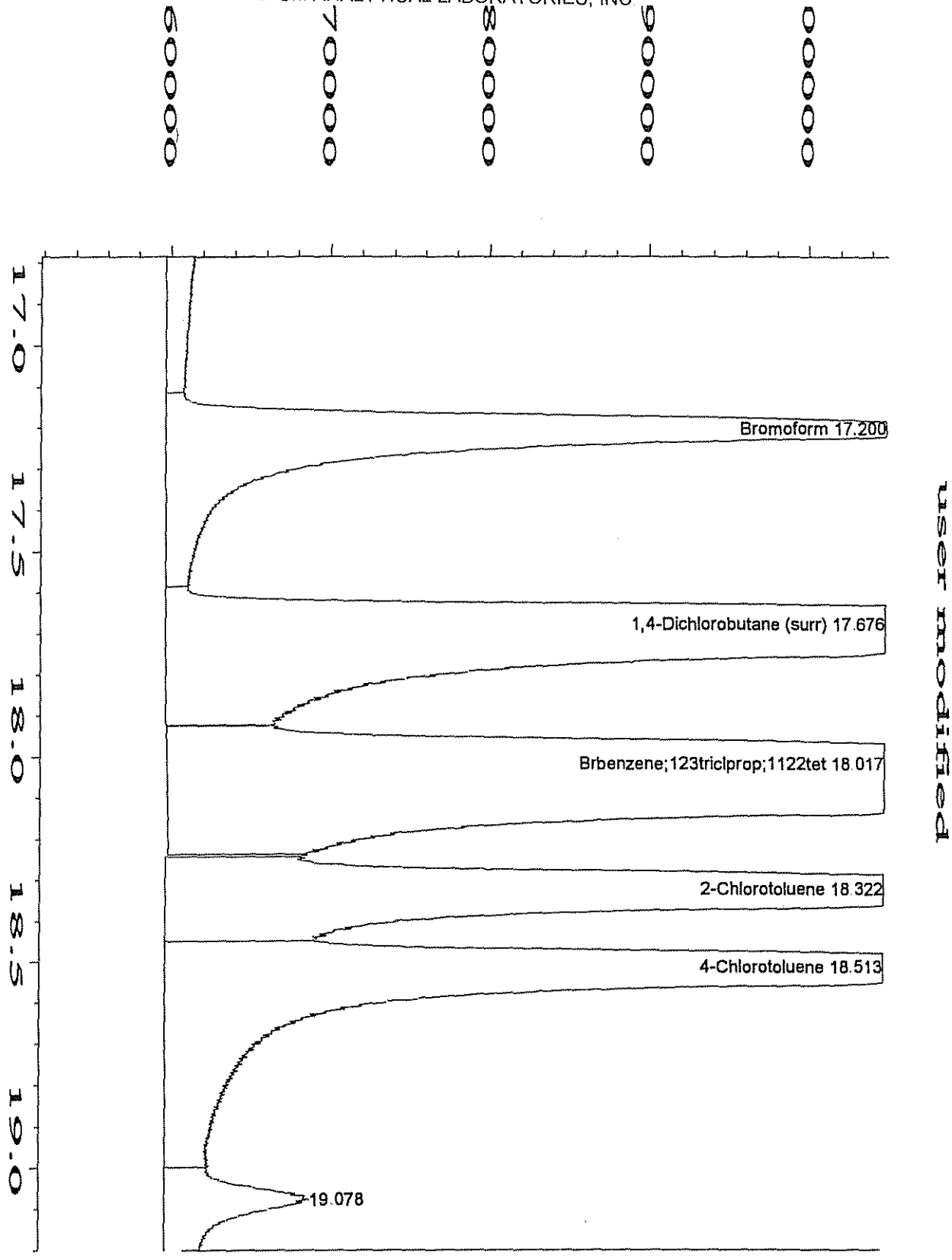
Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.902	829005	BV	0.046	1	5.639	Dichlorodifluoromethane
3.224	992228	VV	0.056	1	5.556	Chloromethane
3.432	897439	VV	0.058	1	5.663	Vinyl chloride
4.077	275607	VV	0.061	1	5.480	Bromomethane
4.291	899370	VV	0.072	1	5.563	Chloroethane
4.790	1208871	VV	0.108	1	5.533	Trichlorofluoromethane
5.753	1600362	VV	0.086	1	5.620	1,1-Dichloroethene
6.661	1763104	VV	0.067	1	5.695	Methylene chloride
7.114	1683299	VV	0.061	1	5.738	t-1,2-Dichloroethene
7.847	1742983	VV	0.081	1	5.656	1,1-Dichloroethane
8.793	2798530	VV	0.076	1	11.594	c-12Diclethene ; 22Diclpropane
9.190	792434	VV	0.061	1	5.482	Bromochloromethane
9.319	2089064	VV	0.065	1	5.701	Chloroform
9.571	1875404	VV	0.077	1	5.606	1,1,1-Trichloroethane
9.825	3052246	VV	0.071	1	11.471	Carbon Tetracl ; 11Diclpropene
10.223	1200653	VV	0.065	1	5.721	1,2-Dichloroethane
11.171	1759724	VV	0.063	1	5.666	Trichloroethene
11.545	1501773	VV	0.071	1	5.759	1,2-Dichloropropane
11.740	503797	VV	0.065	1	5.317	Dibromomethane
11.991	1293089	VV	0.075	1	5.644	Bromodichloromethane
12.727	1114952	VV	0.069	1	5.716	c-1,3-Dichloropropene
13.707	642535	VV	0.058	1	5.271	t-1,3-Dichloropropene
13.859	2794383	VV	0.071	1-I	40.000	Bromochloropropane
14.030	1228325	VV	0.067	1	5.741	1,1,2-Trichloroethane
14.227	1883252	VV	0.063	1	6.327	Tetraclethene ; 13Diclpropane
14.717	672949	VV	0.069	1	5.520	Dibromochloromethane
14.920	552383	VV	0.086	1	5.341	1,2-Dibromoethane (EDB)
15.753	682916	VV	0.056	1	5.591	Chlorobenzene
15.898	1898738	VV	0.069	1	6.460	1,1,1,2-Tetrachloroethane
17.200	326809	VV	0.072	1	5.298	Bromoform
17.676	1870832	VV	0.062	1	102.807	1,4-Dichlorobutane (surr)
18.017	903341	VV	0.061	1	9.237	Brbenzene;123triclprop;1122tet
18.322	680089	VV	0.059	1	5.664	2-Chlorotoluene
18.513	737778	VV	0.066	1	5.707	4-Chlorotoluene
19.596	867737	VV	0.055	1	5.674	1,3-Dichlorobenzene
19.749	1040559	VV	0.059	1	5.862	1,4-Dichlorobenzene
20.382	811727	VV	0.059	1	5.697	1,2-Dichlorobenzene
21.723	94236	VV	0.095	1	5.427	1,2-Dibromo-3-chloropropane
23.061	480929	PV	0.057	1	5.079	1,2,4-Trichlorobenzene
23.327	855925	VV	0.063	1	5.440	Hexachlorobutadiene
23.868	365811	VBA	0.061	1	5.001	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0

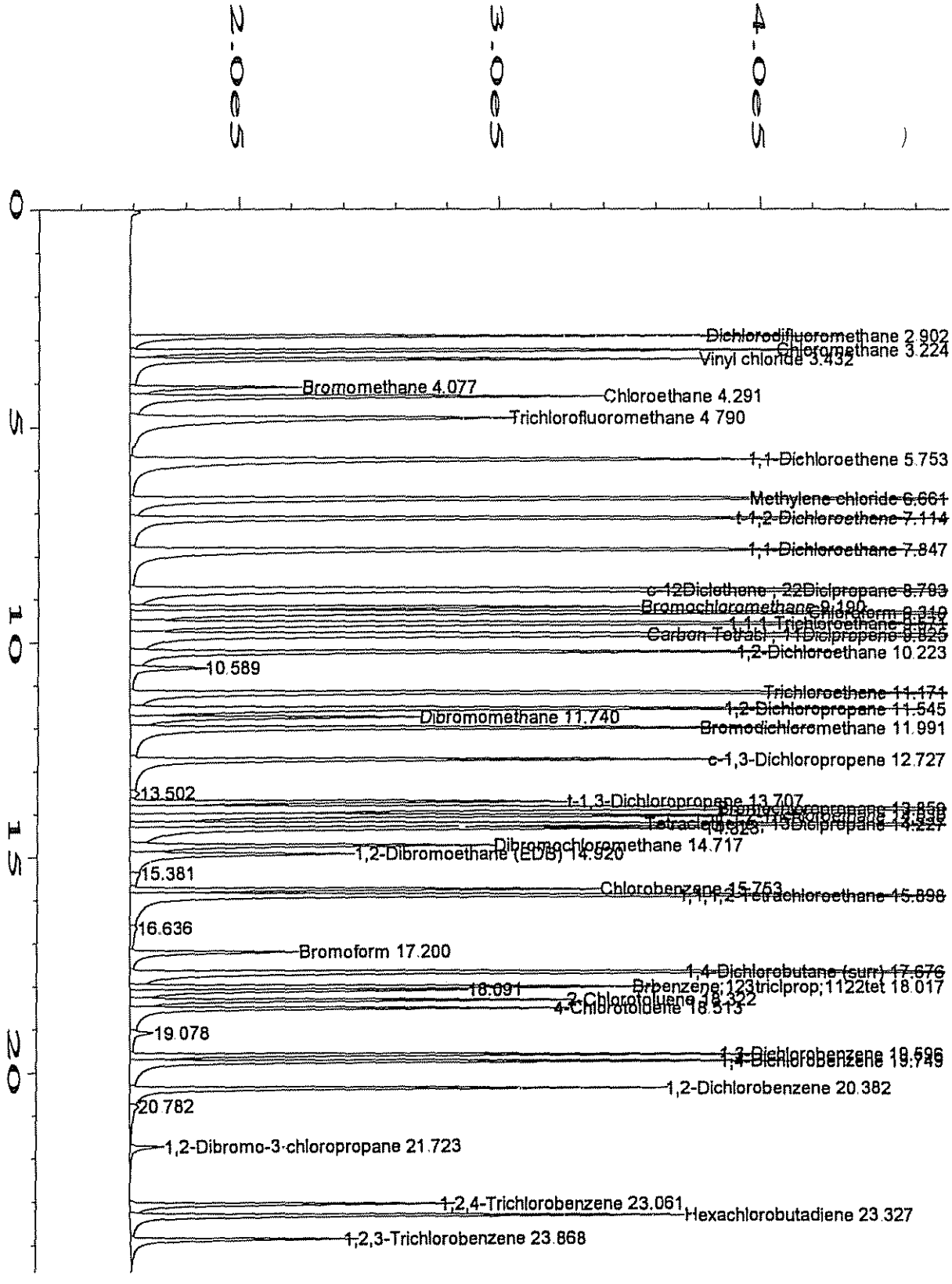


Data File Name : C:\HPCHEM\1\DATA\121205\011F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v5
Run Time Bar Code:
Acquired on : 12 Dec 05 01:48 PM
Report Created on: 13 Dec 05 09:06 AM
Last Recalib on : 13 Dec 05 09:05 AM
Multiplier : 1

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



Data File Name	: C:\HPCHEM\1\DATA\121205\011F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 11
Sample Name	: v5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 01:48 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:07 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 Dec 05 09:05 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



Data File Name	: C:\HPCHEM\1\DATA\121205\011F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 11
Sample Name	: v5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 01:48 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

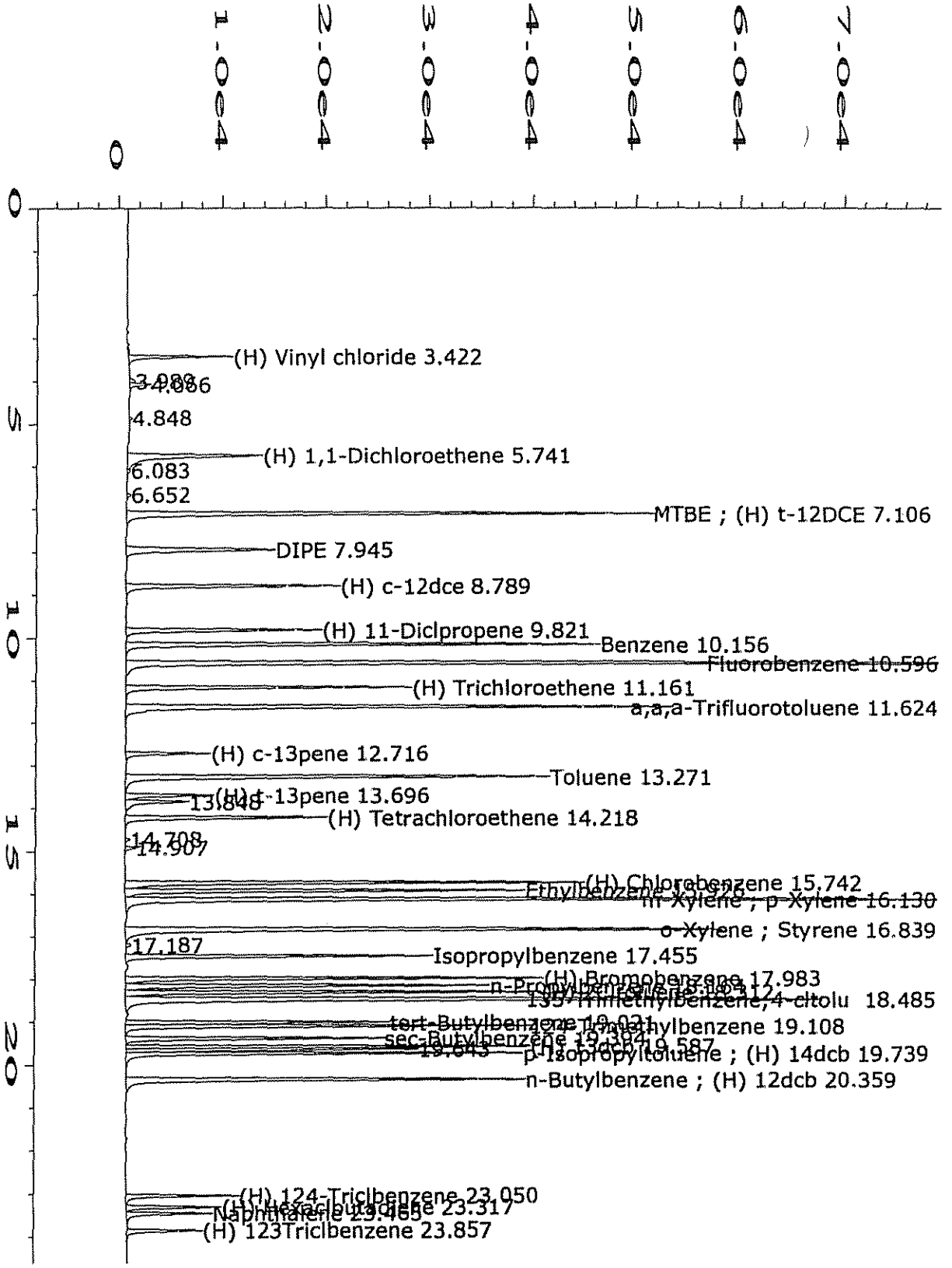
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\121205\011R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 11
Sample Name	: v5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 01:48 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\121205\011R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.422	30511	PB	0.045	1	5.239	(H) Vinyl chloride
5.741	71840	BV	0.082	1	5.101	(H) 1,1-Dichloroethene
7.106	197759	BB	0.059	1	9.987	MTBE ; (H) t-12DCE
7.945	74841	BB	0.080	1	5.027	DIPE
8.789	79289	BB	0.058	1	5.054	(H) c-12dce
9.821	72892	BV	0.060	1	5.023	(H) 11-Diclpropene
10.156	172110	VV	0.058	1	5.033	Benzene
10.596	394002	VB	0.057	1-I	40.000	Fluorobenzene
11.161	99913	BB	0.056	1	5.052	(H) Trichloroethene
11.624	217990	BB	0.064	1	102.600	a,a,a-Trifluorotoluene
12.716	30627	BB	0.057	1	4.934	(H) c-13pene
13.271	161339	BV	0.061	1	5.089	Toluene
13.696	31425	VV	0.056	1	4.956	(H) t-13pene
14.218	76303	VB	0.061	1	5.078	(H) Tetrachloroethene
15.742	158355	BV	0.055	1	5.090	(H) Chlorobenzene
15.926	141496	VV	0.056	1	5.117	Ethylbenzene
16.130	327187	VV	0.056	1	10.261	m-Xylene ; p-Xylene
16.839	270240	BV	0.075	1	10.236	o-Xylene ; Styrene
17.455	106379	BV	0.056	1	5.108	Isopropylbenzene
17.983	137527	BV	0.052	1	5.074	(H) Bromobenzene
18.164	119091	VV	0.052	1	5.101	n-Propylbenzene
18.312	134324	VV	0.050	1	5.128	(H) 2Cltoluene
18.485	312843	VV	0.057	1	10.267	135-Trimethylbenzene;4-cltolu
19.021	88960	VV	0.054	1	5.074	tert-Butylbenzene
19.108	131405	VV	0.051	1	5.060	124-Trimethylbenzene
19.394	88934	VV	0.055	1	5.057	sec-Butylbenzene
19.587	123719	VV	0.048	1	5.048	(H) 13dcb
19.739	125578	VB	0.049	1	10.212	p-Isopropyltoluene ; (H) 14dcb
20.359	163499	BB	0.066	1	10.042	n-Butylbenzene ; (H) 12dcb
23.050	36626	BV	0.051	1	4.821	(H) 124-Triclbenzene
23.317	31698	VV	0.054	1	4.937	(H) Hexaclbutadiene
23.465	28799	VB	0.052	1	4.751	Naphthalene
23.857	24255	BB	0.051	1	4.712	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121205\011R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 11
Sample Name	: v5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 01:48 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

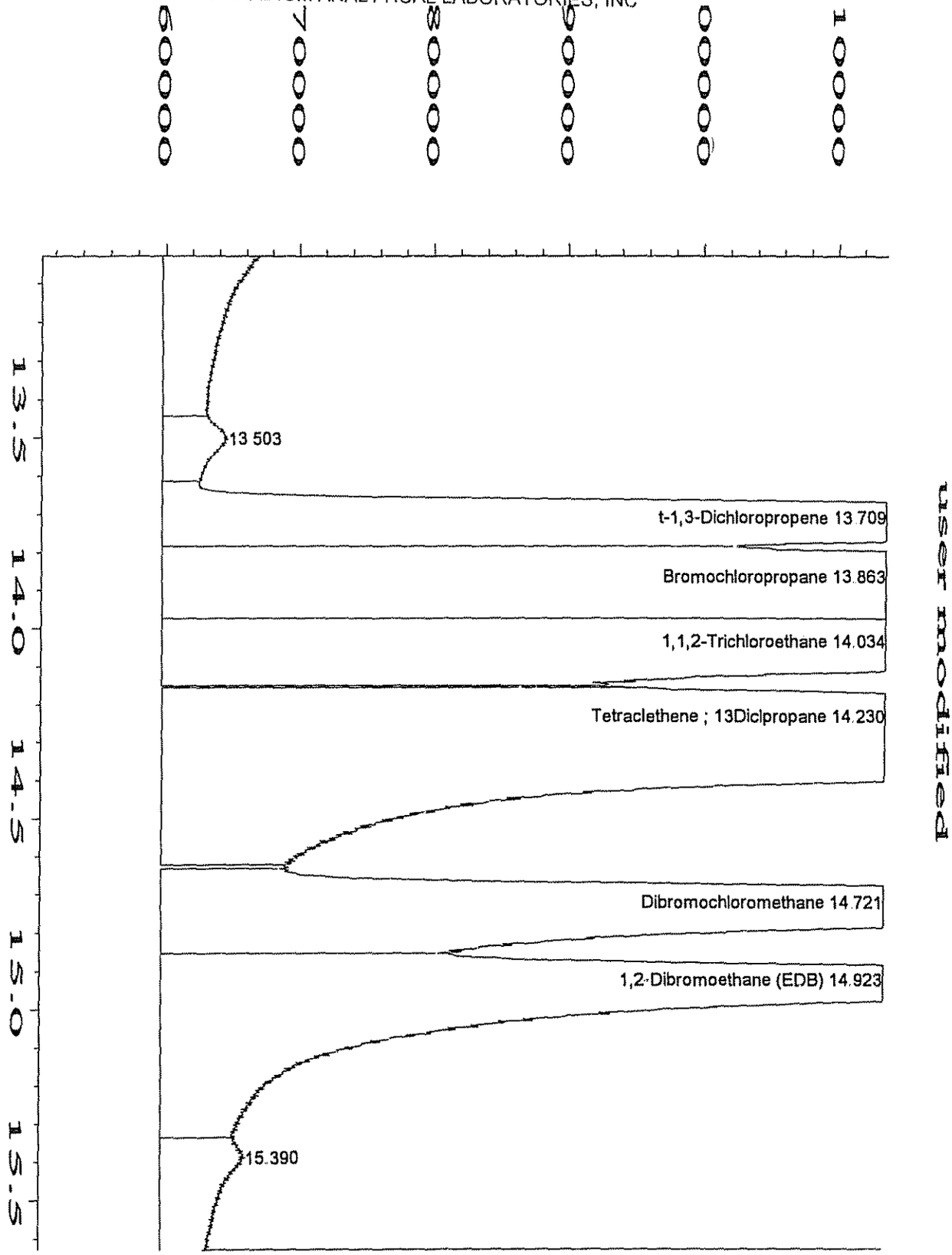
Data File Name : C:\HPCHEM\1\DATA\121205\012F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v10
Run Time Bar Code:
Acquired on : 12 Dec 05 02:18 PM
Report Created on: 13 Dec 05 09:18 AM
Last Recalib on : 13 DEC 05 09:11 AM
Multiplier : 1

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

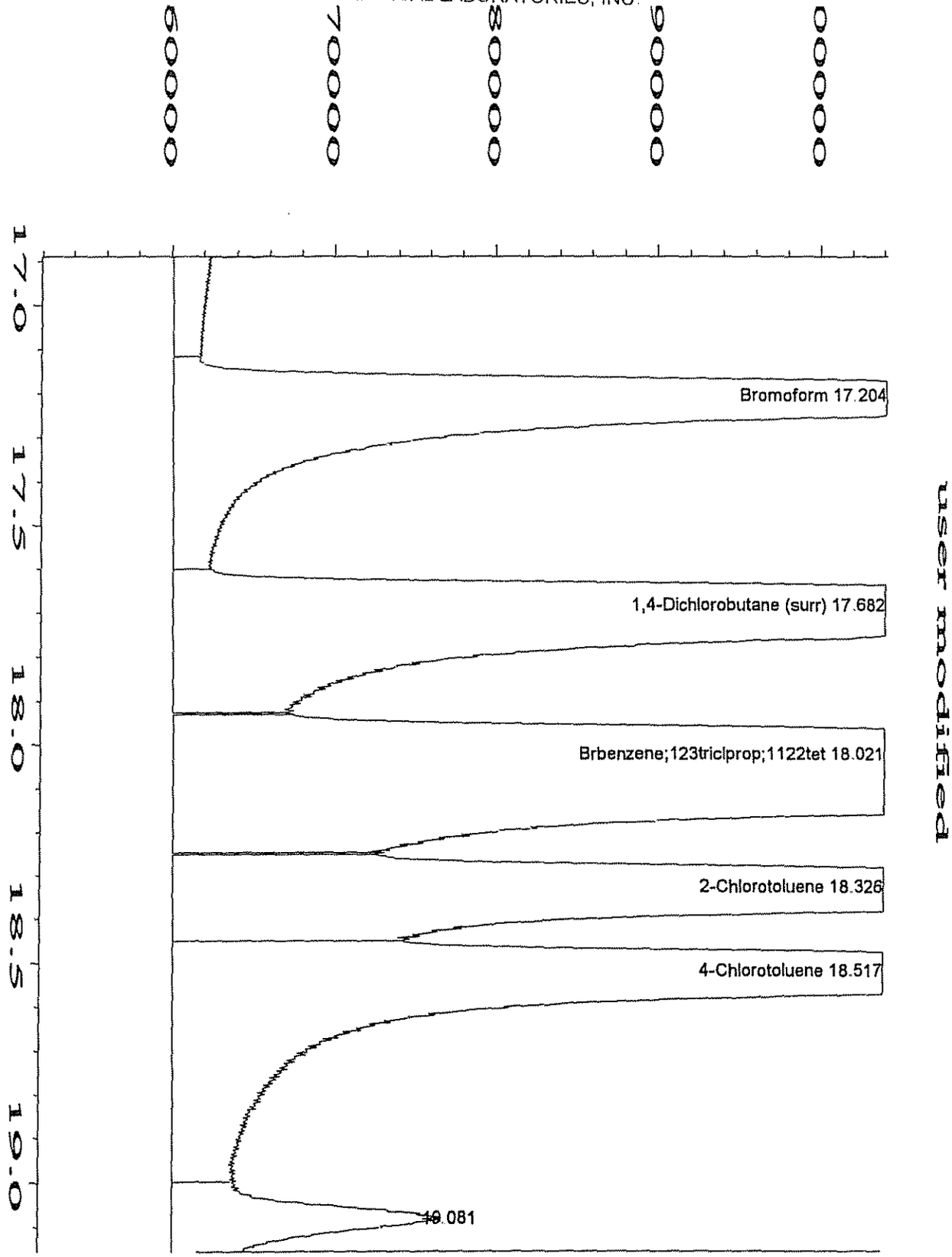
Sig. 1 in C:\HPCHEM\1\DATA\121205\012F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.906	1546045	BV	0.043	1	10.386	Dichlorodifluoromethane
3.229	1834439	VV	0.055	1	10.120	Chloromethane
3.437	1591648	VV	0.056	1	10.108	Vinyl chloride
4.075	568995	VV	0.061	1	11.145	Bromomethane
4.294	1664111	VV	0.071	1	10.260	Chloroethane
4.792	2258498	VV	0.105	1	10.311	Trichlorofluoromethane
5.756	2852404	VV	0.087	1	9.921	1,1-Dichloroethene
6.666	3118581	VV	0.068	1	10.362	Methylene chloride
7.119	3037993	VV	0.062	1	10.541	t-1,2-Dichloroethene
7.853	3179053	VV	0.087	1	10.426	1,1-Dichloroethane
8.796	5027708	VV	0.076	1	21.345	c-12Diclethene ; 22Diclpropane
9.192	1499052	VV	0.064	1	10.348	Bromochloromethane
9.321	3806947	VV	0.067	1	10.665	Chloroform
9.574	3479118	VV	0.077	1	10.632	1,1,1-Trichloroethane
9.829	5595582	VV	0.072	1	21.618	Carbon Tetracl ; 11Diclpropene
10.225	2142499	VV	0.067	1	10.355	1,2-Dichloroethane
11.175	3210715	VV	0.063	1	10.449	Trichloroethene
11.549	2600887	VV	0.069	1	10.383	1,2-Dichloropropane
11.744	976279	VV	0.067	1	9.918	Dibromomethane
11.995	2340435	VV	0.072	1	10.158	Bromodichloromethane
12.730	2038404	VV	0.068	1	10.427	c-1,3-Dichloropropene
13.709	1313540	VV	0.061	1	10.317	t-1,3-Dichloropropene
13.863	2943658	VV	0.072	1-I	40.000	Bromochloropropane
14.034	2070877	VV	0.067	1	10.377	1,1,2-Trichloroethane
14.231	3403573	VV	0.065	1	12.716	Tetraclethene ; 13Diclpropane
14.721	1251647	VV	0.068	1	10.247	Dibromochloromethane
14.923	1001815	VV	0.083	1	9.910	1,2-Dibromoethane (EDB)
15.759	1287285	VV	0.057	1	10.495	Chlorobenzene
15.904	3310986	VV	0.072	1	11.578	1,1,1,2-Tetrachloroethane
17.204	640625	VV	0.071	1	9.866	Bromoform
17.682	1915916	VV	0.062	1	99.946	1,4-Dichlorobutane (surr)
18.021	1716753	VV	0.068	1	18.886	Brbenzene;123triclprop;1122tet
18.326	1230256	VV	0.058	1	10.367	2-Chlorotoluene
18.517	1311676	VV	0.064	1	10.437	4-Chlorotoluene
19.600	1587020	VV	0.054	1	10.316	1,3-Dichlorobenzene
19.754	1820865	VV	0.060	1	10.455	1,4-Dichlorobenzene
20.385	1407158	VV	0.058	1	9.870	1,2-Dichlorobenzene
21.724	172645	VV	0.086	1	9.255	1,2-Dibromo-3-chloropropane
23.064	962411	PV	0.054	1	9.570	1,2,4-Trichlorobenzene
23.331	1551731	VV	0.060	1	9.778	Hexachlorobutadiene
23.871	720697	VBA	0.058	1	9.317	1,2,3-Trichlorobenzene

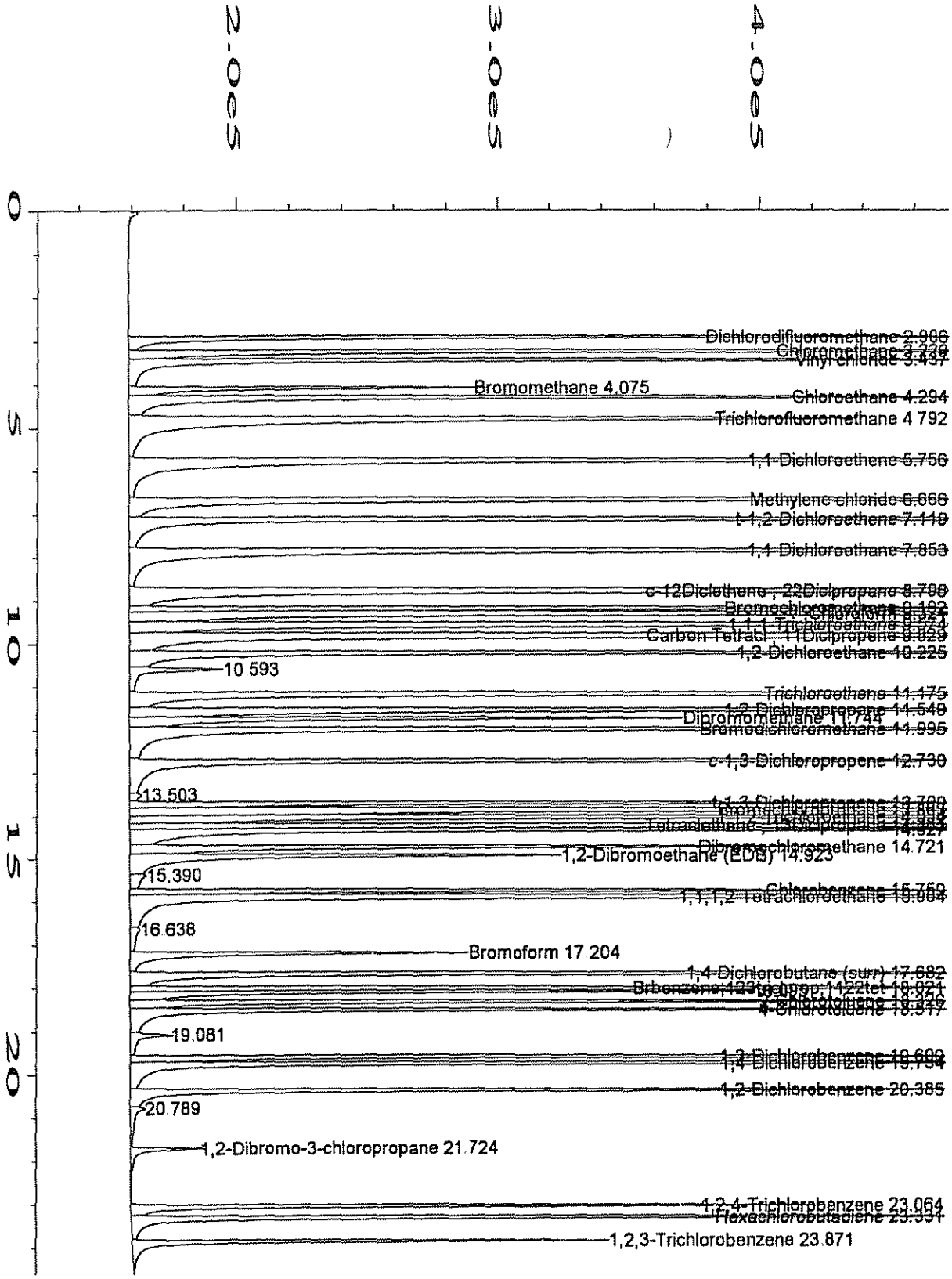
Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121205\012F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 12
Sample Name	: v10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 02:18 PM	Instrument Method	: 8021_HAL.MTH
Report Created on:	13 Dec 05 09:07 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 Dec 05 09:07 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



Data File Name	: C:\HPCHEM\1\DATA\121205\012F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 12
Sample Name	: v10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 02:18 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:08 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 Dec 05 09:07 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



Data File Name	: C:\HPCHEM\1\DATA\121205\012F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 12
Sample Name	: v10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 02:18 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

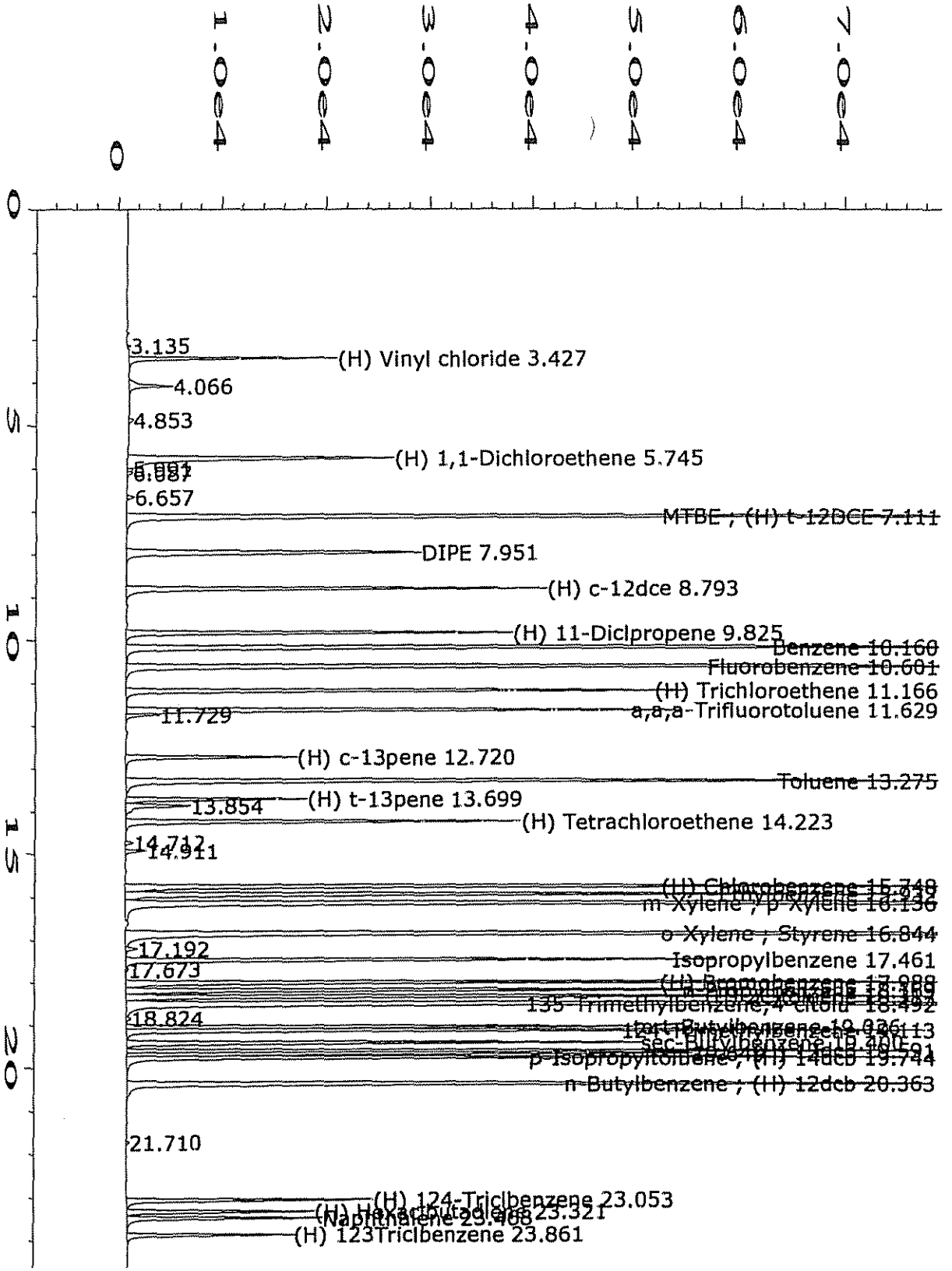
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\121205\012R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 12
Sample Name	: v10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 02:18 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\121205\012R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.427	56484	BB	0.043	1	9.938	(H) Vinyl chloride
5.745	138490	BV	0.080	1	10.017	(H) 1,1-Dichloroethene
7.111	390610	BB	0.059	1	20.023	MTBE ; (H) t-12DCE
7.951	146406	BB	0.079	1	9.911	DIPE
8.793	154364	BV	0.059	1	9.992	(H) c-12dce
9.825	143203	BV	0.059	1	10.031	(H) 11-Diclpropene
10.160	337919	VV	0.059	1	10.049	Benzene
10.601	399623	VB	0.057	1-I	40.000	Fluorobenzene
11.166	194216	BV	0.056	1	9.964	(H) Trichloroethene
11.629	213319	PV	0.062	1	98.989	a,a,a-Trifluorotoluene
12.720	62482	BB	0.058	1	9.979	(H) c-13pene
13.275	310427	BV	0.060	1	9.961	Toluene
13.699	62845	VV	0.055	1	9.573	(H) t-13pene
14.223	147146	VB	0.060	1	9.936	(H) Tetrachloroethene
15.748	304181	BV	0.054	1	9.921	(H) Chlorobenzene
15.932	270378	VV	0.056	1	10.048	Ethylbenzene
16.136	624913	VV	0.056	1	20.213	m-Xylene ; p-Xylene
16.844	517352	VV	0.073	1	20.034	o-Xylene ; Styrene
17.461	203979	VV	0.056	1	10.011	Isopropylbenzene
17.988	262958	BV	0.050	1	9.859	(H) Bromobenzene
18.169	228657	VV	0.052	1	9.970	n-Propylbenzene
18.317	255729	VV	0.051	1	10.003	(H) 2Cltoluene
18.492	596607	VV	0.073	1	20.112	135-Trimethylbenzene;4-cltolu
19.026	171371	VV	0.055	1	9.922	tert-Butylbenzene
19.113	253579	VV	0.051	1	9.908	124-Trimethylbenzene
19.400	171898	VV	0.054	1	9.892	sec-Butylbenzene
19.591	240788	VV	0.048	1	9.798	(H) 13dcb
19.744	240027	VB	0.049	1	19.983	p-Isopropyltoluene ; (H) 14dcb
20.363	317727	BB	0.065	1	19.567	n-Butylbenzene ; (H) 12dcb
23.053	75295	BV	0.048	1	9.354	(H) 124-Triclbenzene
23.321	62278	VV	0.053	1	9.486	(H) Hexaclbutadiene
23.468	61632	VV	0.049	1	9.226	Naphthalene
23.861	52036	VB	0.049	1	9.113	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121205\012R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 12
Sample Name	: v10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 02:18 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:18 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

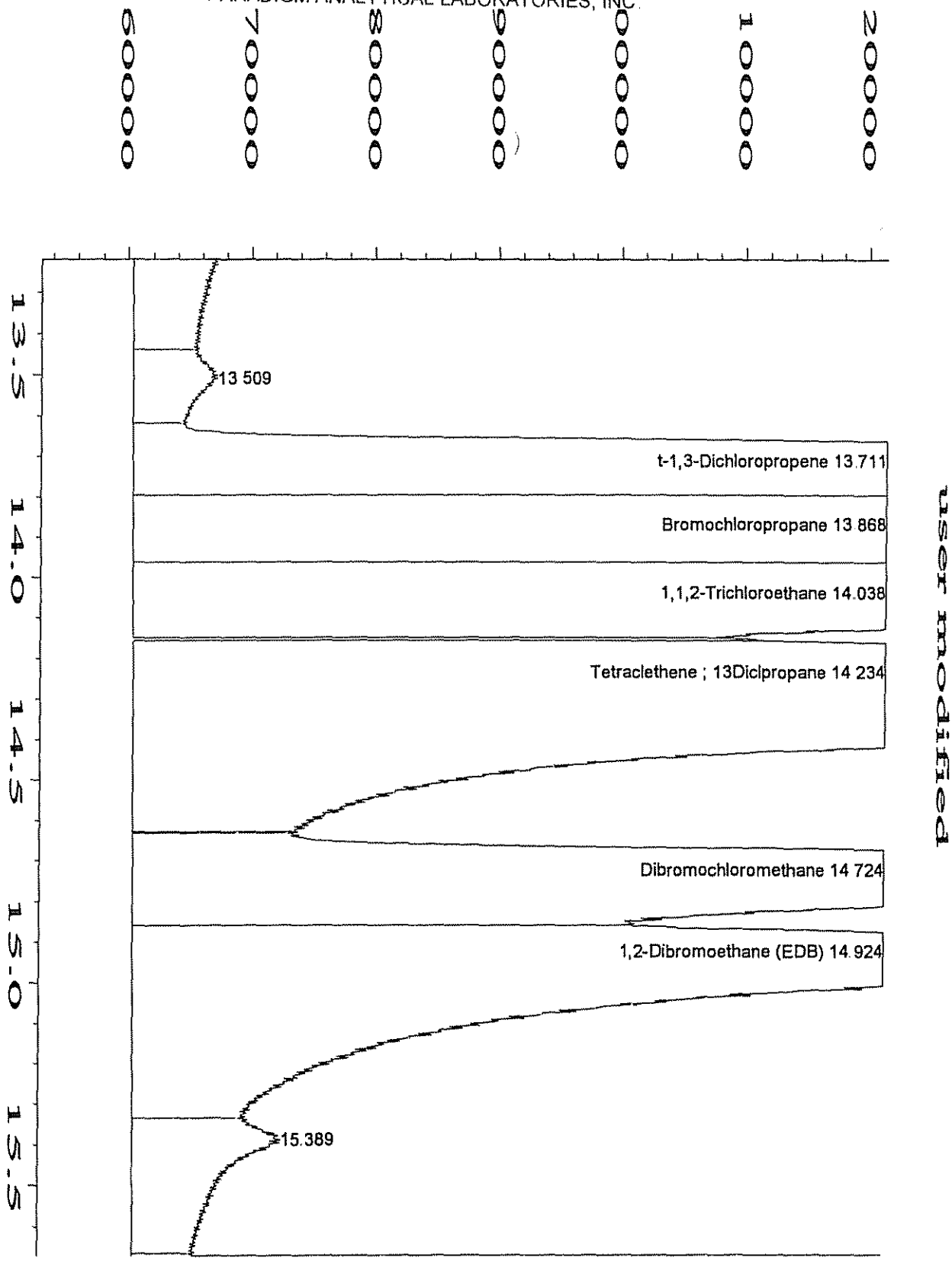
Data File Name : C:\HPCHEM\1\DATA\121205\013F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v20
Run Time Bar Code:
Acquired on : 12 Dec 05 02:49 PM
Report Created on: 13 Dec 05 09:18 AM
Last Recalib on : 13 DEC 05 09:11 AM
Multiplier : 1

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

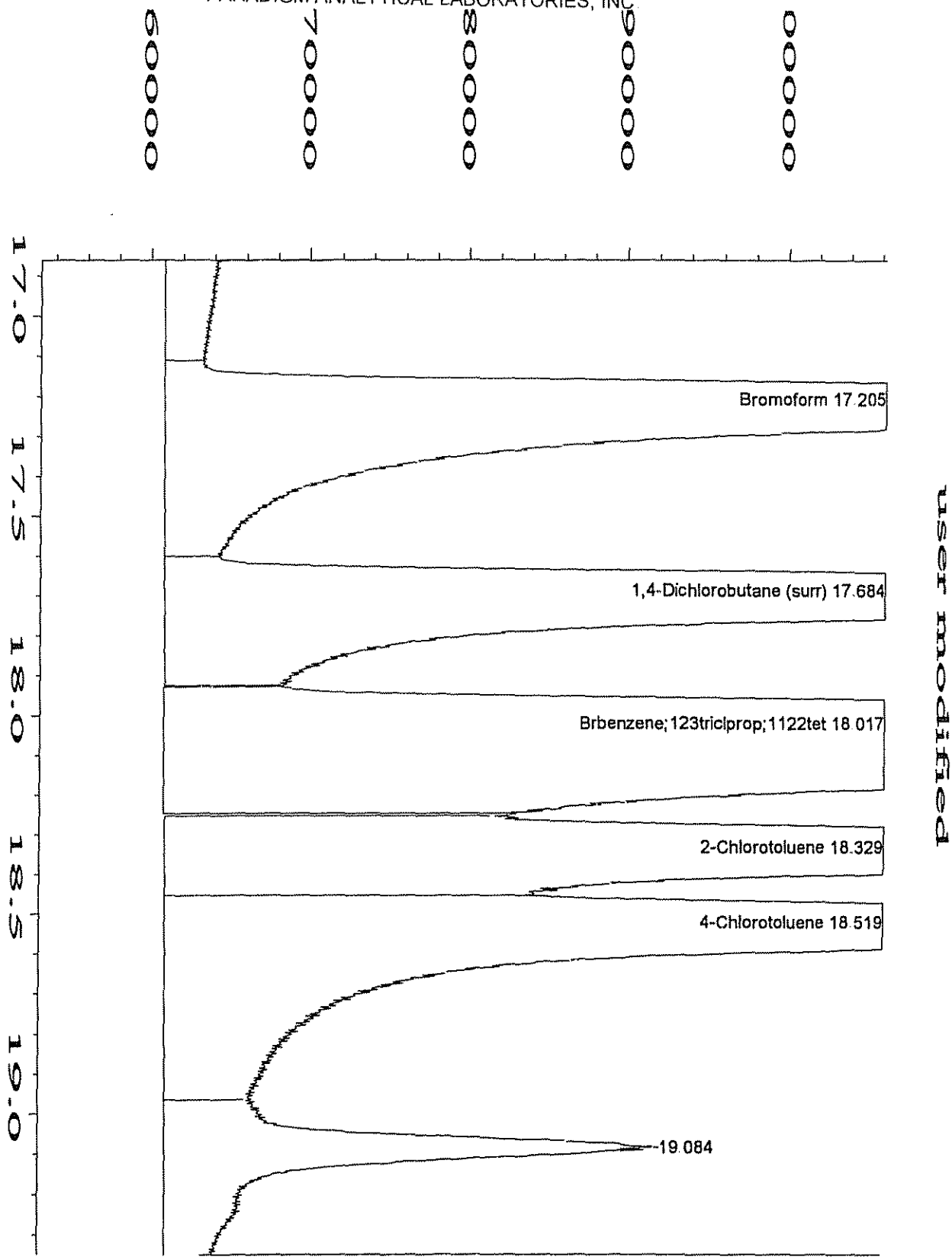
Sig. 1 in C:\HPCHEM\1\DATA\121205\013F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.906	2925416	BV	0.046	1	20.323	Dichlorodifluoromethane
3.229	3577349	VV	0.055	1	20.405	Chloromethane
3.438	3041146	VV	0.058	1	20.285	Vinyl chloride
4.070	1128969	VV	0.052	1	22.756	Bromomethane
4.289	3214158	VV	0.071	1	20.627	Chloroethane
4.790	4337297	VV	0.107	1	20.603	Trichlorofluoromethane
5.755	5713556	VV	0.093	1	20.681	1,1-Dichloroethene
6.666	5832035	VV	0.070	1	20.617	Methylene chloride
7.121	5686273	VV	0.066	1	20.814	t-1,2-Dichloroethene
7.855	6038154	VV	0.085	1	20.794	1,1-Dichloroethane
8.799	9294380	VV	0.075	1	41.783	c-12Diclethene ; 22Diclpropane
9.196	2901561	VV	0.061	1	20.835	Bromochloromethane
9.325	7035486	VV	0.067	1	20.857	Chloroform
9.578	6470788	VV	0.075	1	20.845	1,1,1-Trichloroethane
9.832	1.02901E+007	VV	0.078	1	42.067	Carbon Tetracl ; 11Diclpropene
10.228	4090767	VV	0.065	1	20.855	1,2-Dichloroethane
11.177	6075994	VV	0.064	1	20.763	Trichloroethene
11.551	4856605	VV	0.069	1	20.839	1,2-Dichloropropane
11.746	2032466	VV	0.065	1	21.033	Dibromomethane
11.999	4681082	VV	0.070	1	21.173	Bromodichloromethane
12.733	3967046	VV	0.068	1	21.159	c-1,3-Dichloropropene
13.711	2603538	VV	0.061	1	20.745	t-1,3-Dichloropropene
13.868	2914767	VV	0.074	1-I	40.000	Bromochloropropane
14.038	3769016	VV	0.066	1	20.732	1,1,2-Trichloroethane
14.235	6212891	VV	0.063	1	25.636	Tetraclethene ; 13Diclpropane
14.724	2439233	VV	0.069	1	20.800	Dibromochloromethane
14.924	1955813	VV	0.084	1	20.501	1,2-Dibromoethane (EDB)
15.760	2438955	VV	0.056	1	20.649	Chlorobenzene
15.906	6013148	VV	0.072	1	22.361	1,1,1,2-Tetrachloroethane
17.205	1334055	VV	0.068	1	20.759	Bromoform
17.684	1887836	VV	0.059	1	99.457	1,4-Dichlorobutane (surr)
18.023	3108034	VV	0.069	1	36.820	Brbenzene;123triclprop;1122tet
18.329	2303864	VV	0.057	1	20.403	2-Chlorotoluene
18.519	2412131	VV	0.058	1	20.387	4-Chlorotoluene
19.602	3043672	VV	0.056	1	20.572	1,3-Dichlorobenzene
19.756	3363348	VV	0.056	1	20.442	1,4-Dichlorobenzene
20.387	2770411	VV	0.058	1	20.381	1,2-Dichlorobenzene
21.723	377781	VV	0.075	1	20.151	1,2-Dibromo-3-chloropropane
23.065	2004716	PV	0.053	1	20.034	1,2,4-Trichlorobenzene
23.334	3104295	VV	0.059	1	20.345	Hexachlorobutadiene
23.873	1499677	VBA	0.058	1	19.534	1,2,3-Trichlorobenzene

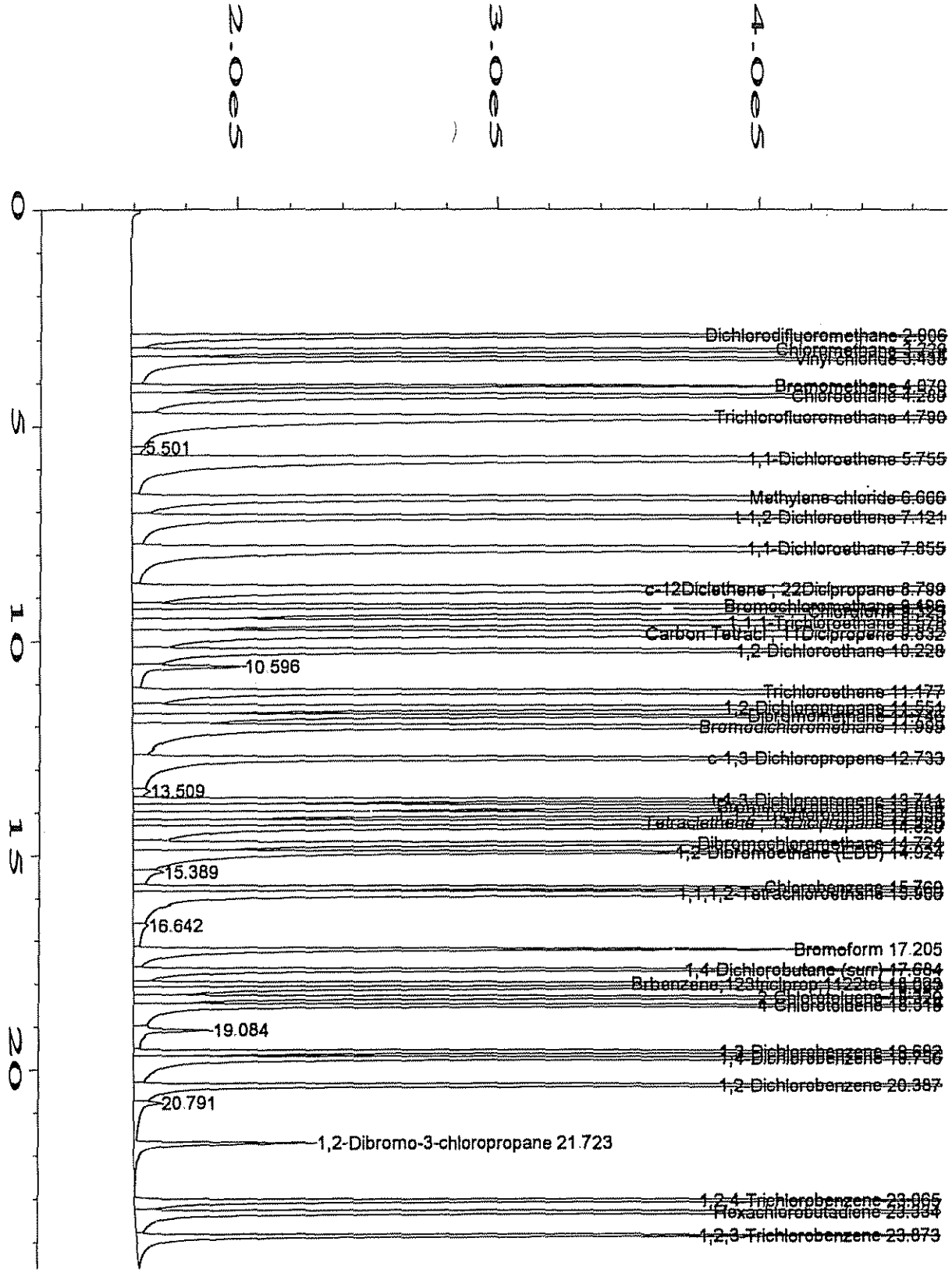
Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121205\013F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 13
Sample Name	: v20	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 02:49 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:09 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 Dec 05 09:08 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



Data File Name	: C:\HPCHEM\1\DATA\121205\013F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 13
Sample Name	: v20	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 02:49 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:09 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 Dec 05 09:08 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



Data File Name	: C:\HPCHEM\1\DATA\121205\013F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 13
Sample Name	: v20	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 02:49 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

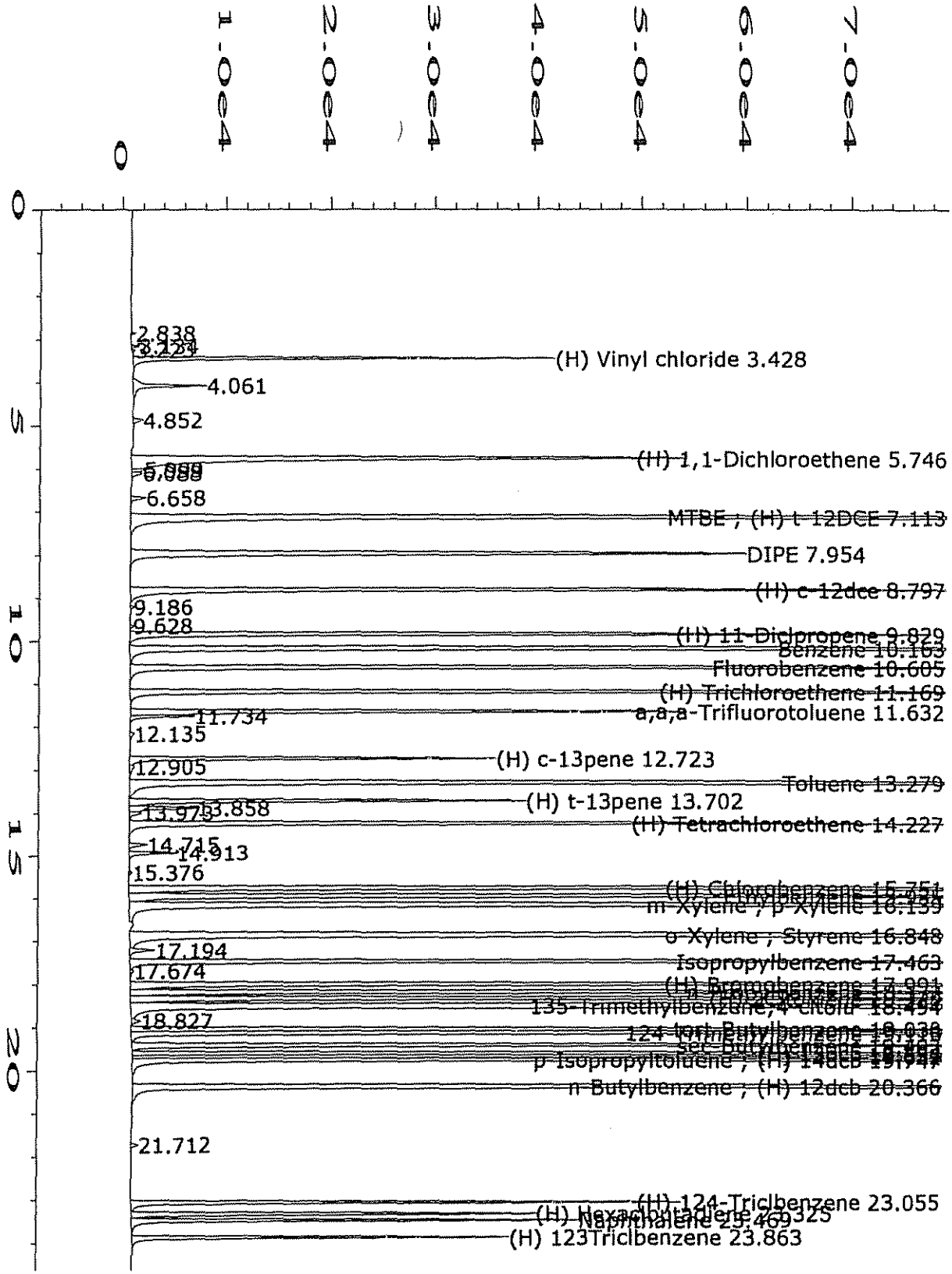
Data File Name : C:\HPCHEM\1\DATA\121205\013R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v20
Run Time Bar Code:
Acquired on : 12 Dec 05 02:49 PM
Report Created on: 13 Dec 05 09:18 AM
Last Recalib on : 13 DEC 05 08:35 AM
Multiplier : 1

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\121205\013R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.428	113051	BB	0.042	1	20.165	(H) Vinyl chloride
5.746	283309	BV	0.077	1	20.679	(H) 1,1-Dichloroethene
7.113	804375	BB	0.060	1	41.507	MTBE ; (H) t-12DCE
7.954	304532	BB	0.080	1	20.684	DIPE
8.797	317828	BV	0.060	1	20.722	(H) c-12dce
9.829	294118	PV	0.059	1	20.756	(H) 11-Diclpropene
10.163	692509	VV	0.059	1	20.751	Benzene
10.605	403137	VB	0.058	1-I	40.000	Fluorobenzene
11.169	399342	BV	0.056	1	20.629	(H) Trichloroethene
11.632	213728	VV	0.062	1	98.314	a,a,a-Trifluorotoluene
12.723	128306	BV	0.056	1	20.371	(H) c-13pene
13.279	638539	VV	0.059	1	20.667	Toluene
13.702	135484	VV	0.055	1	20.226	(H) t-13pene
14.227	303004	VB	0.060	1	20.606	(H) Tetrachloroethene
15.751	628328	BV	0.053	1	20.642	(H) Chlorobenzene
15.935	552843	VV	0.055	1	20.839	Ethylbenzene
16.139	1272192	VV	0.055	1	41.817	m-Xylene ; p-Xylene
16.848	1063834	VV	0.072	1	41.671	o-Xylene ; Styrene
17.463	418302	VV	0.055	1	20.761	Isopropylbenzene
17.991	547229	BV	0.049	1	20.691	(H) Bromobenzene
18.172	471396	VV	0.050	1	20.741	n-Propylbenzene
18.320	524861	VV	0.050	1	20.797	(H) 2Cltoluene
18.494	1221730	VV	0.067	1	41.771	135-Trimethylbenzene;4-cltolu
19.030	354776	VV	0.053	1	20.694	tert-Butylbenzene
19.116	526026	VV	0.050	1	20.704	124-Trimethylbenzene
19.403	357583	VV	0.054	1	20.699	sec-Butylbenzene
19.594	508166	VV	0.047	1	20.630	(H) 13dcb
19.747	494773	VB	0.047	1	41.705	p-Isopropyltoluene ; (H) 14dcb
20.366	667232	BB	0.065	1	41.119	n-Butylbenzene ; (H) 12dcb
23.055	163599	BV	0.047	1	19.678	(H) 124-Triclbenzene
23.325	132465	VV	0.052	1	19.911	(H) Hexaclbutadiene
23.469	134045	VV	0.048	1	19.058	Naphthalene
23.863	113288	VV	0.048	1	18.779	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121205\013R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 13
Sample Name	: v20	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 02:49 PM	Instrument Method	: 8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

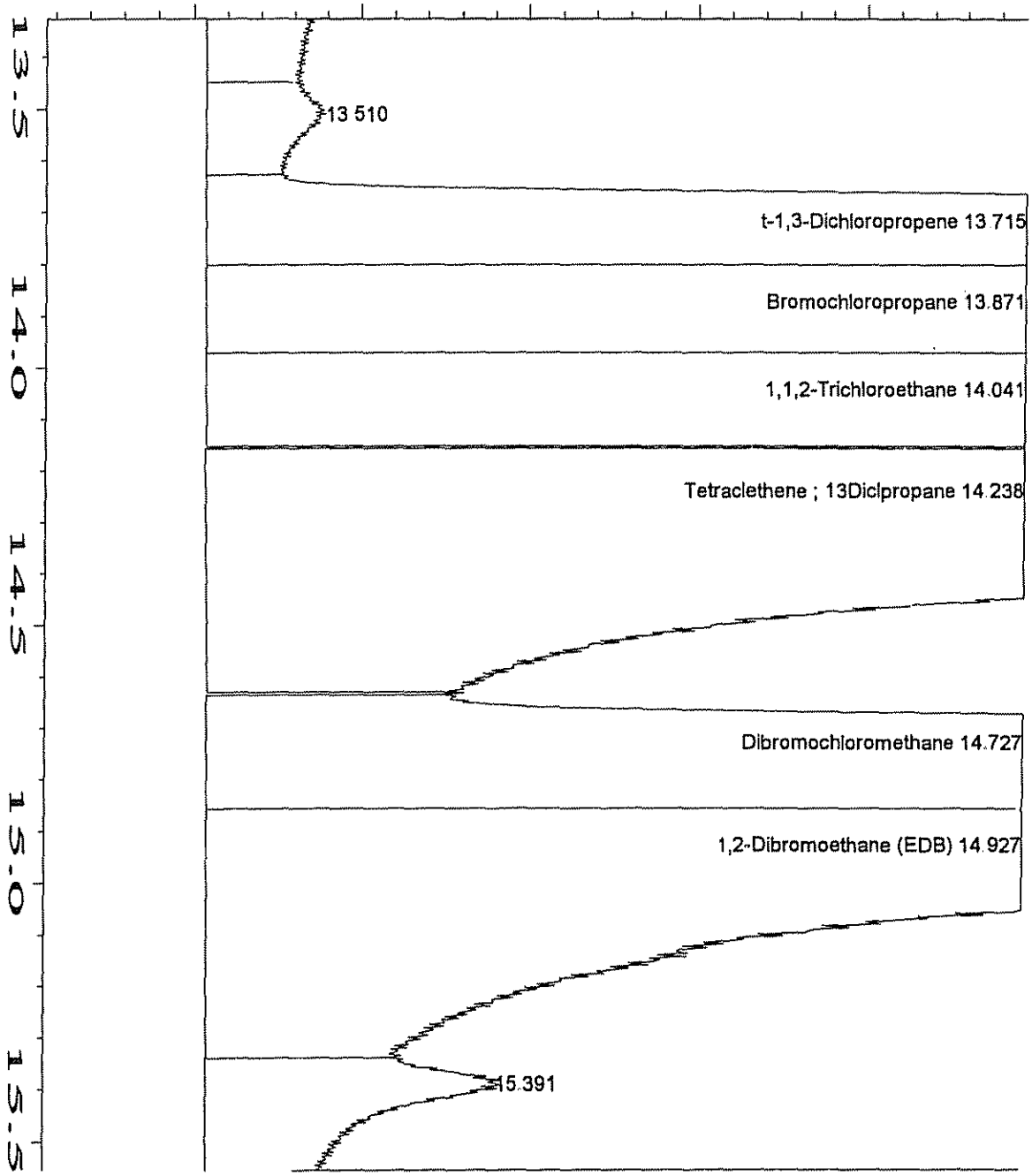
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\121205\014F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 14
Sample Name	: v25	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 03:19 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:18 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 1 in C:\HPCHEM\1\DATA\121205\014F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.912	3625316	BV	0.044	1	24.483	Dichlorodifluoromethane
3.235	4425679	VV	0.055	1	24.533	Chloromethane
3.445	3785056	VV	0.057	1	24.611	Vinyl chloride
4.077	1253724	VV	0.054	1	24.494	Bromomethane
4.291	3894146	VV	0.074	1	24.303	Chloroethane
4.795	5261969	VV	0.107	1	24.309	Trichlorofluoromethane
5.761	6928256	VV	0.087	1	24.379	1,1-Dichloroethene
6.672	7028707	VV	0.072	1	24.249	Methylene chloride
7.126	6737501	VV	0.066	1	24.020	t-1,2-Dichloroethene
7.858	7188130	VV	0.086	1	24.094	1,1-Dichloroethane
8.805	1.09131E+007	VV	0.082	1	47.796	c-12Diclethene ; 22Diclpropane
9.200	3456381	VV	0.064	1	24.122	Bromochloromethane
9.330	8289493	VV	0.073	1	23.943	Chloroform
9.583	7645084	VV	0.079	1	23.983	1,1,1-Trichloroethane
9.837	1.19315E+007	VV	0.074	1	47.491	Carbon Tetracl ; 11Diclpropene
10.233	4846460	VV	0.068	1	24.058	1,2-Dichloroethane
11.182	7246344	VV	0.064	1	24.104	Trichloroethene
11.556	5741038	VV	0.069	1	24.051	1,2-Dichloropropane
11.750	2409231	VV	0.064	1	24.159	Dibromomethane
12.002	5439618	VV	0.074	1	23.897	Bromodichloromethane
12.737	4593156	VV	0.069	1	23.798	c-1,3-Dichloropropene
13.715	3141838	VV	0.059	1	24.249	t-1,3-Dichloropropene
13.871	3011090	VV	0.071	1-I	40.000	Bromochloropropane
14.041	4477991	VV	0.068	1	24.141	1,1,2-Trichloroethane
14.239	7381557	VV	0.066	1	29.874	Tetraclethene ; 13Diclpropane
14.727	2917561	VV	0.067	1	24.186	Dibromochloromethane
14.927	2403399	VV	0.080	1	24.574	1,2-Dibromoethane (EDB)
15.764	2940076	VV	0.059	1	24.199	Chlorobenzene
15.910	6835621	VV	0.068	1	24.742	1,1,1,2-Tetrachloroethane
17.209	1620292	VV	0.070	1	24.408	Bromoform
17.688	1998594	VV	0.062	1	101.924	1,4-Dichlorobutane (surr)
18.026	3944277	VV	0.074	1	45.863	Brbenzene;123triclprop;1122tet
18.332	2830219	VV	0.060	1	24.432	2-Chlorotoluene
18.523	2956940	VV	0.059	1	24.410	4-Chlorotoluene
19.605	3699919	VV	0.057	1	24.319	1,3-Dichlorobenzene
19.759	4102559	VV	0.059	1	24.334	1,4-Dichlorobenzene
20.390	3437592	VV	0.055	1	24.634	1,2-Dichlorobenzene
21.724	487401	VV	0.071	1	25.104	1,2-Dibromo-3-chloropropane
23.066	2600051	PV	0.056	1	25.129	1,2,4-Trichlorobenzene
23.336	3880302	VV	0.059	1	24.738	Hexachlorobutadiene
23.874	2033631	VBA	0.055	1	25.629	1,2,3-Trichlorobenzene

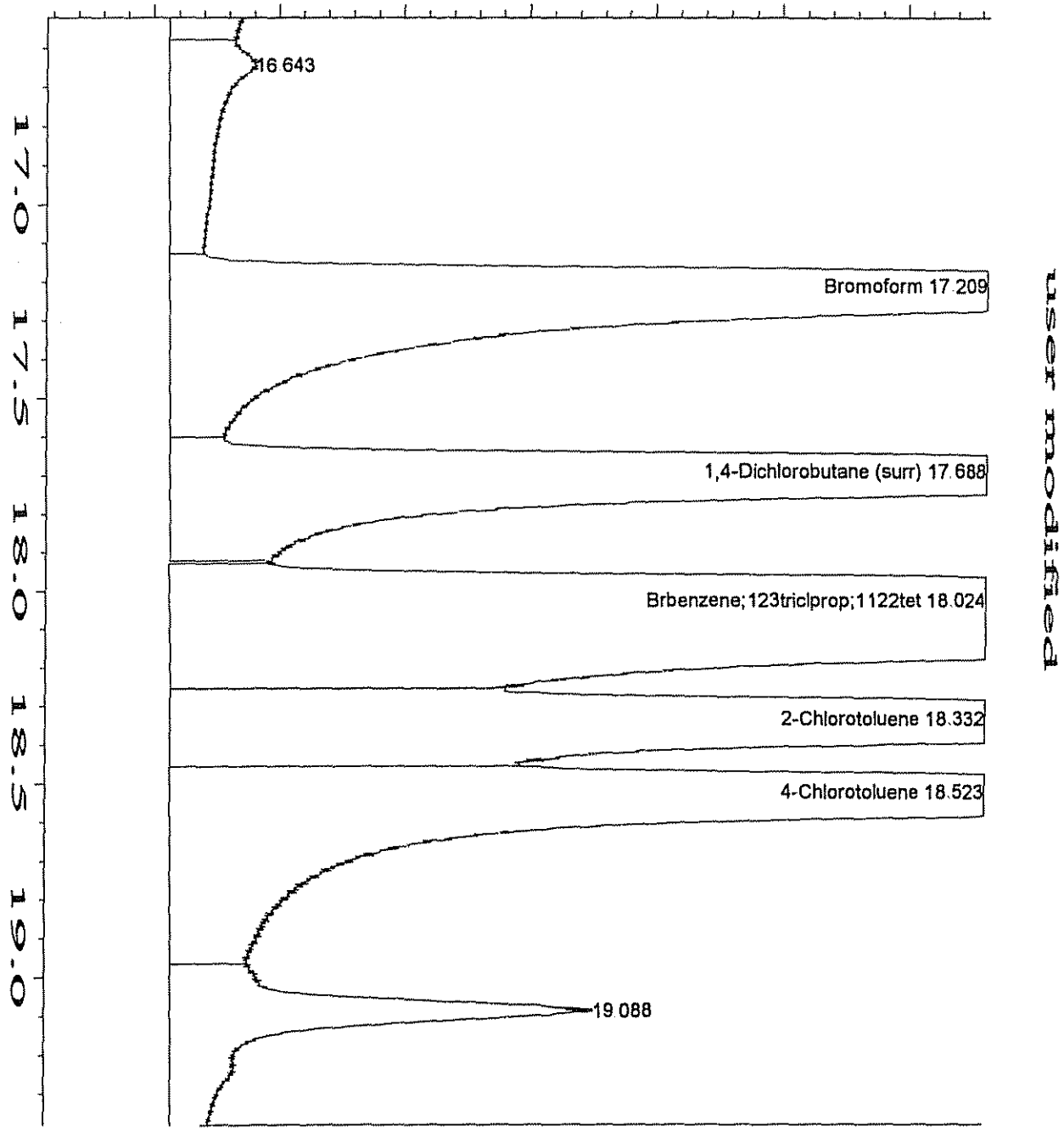
Calibration table contains at least one peak with amt = 0



User modified

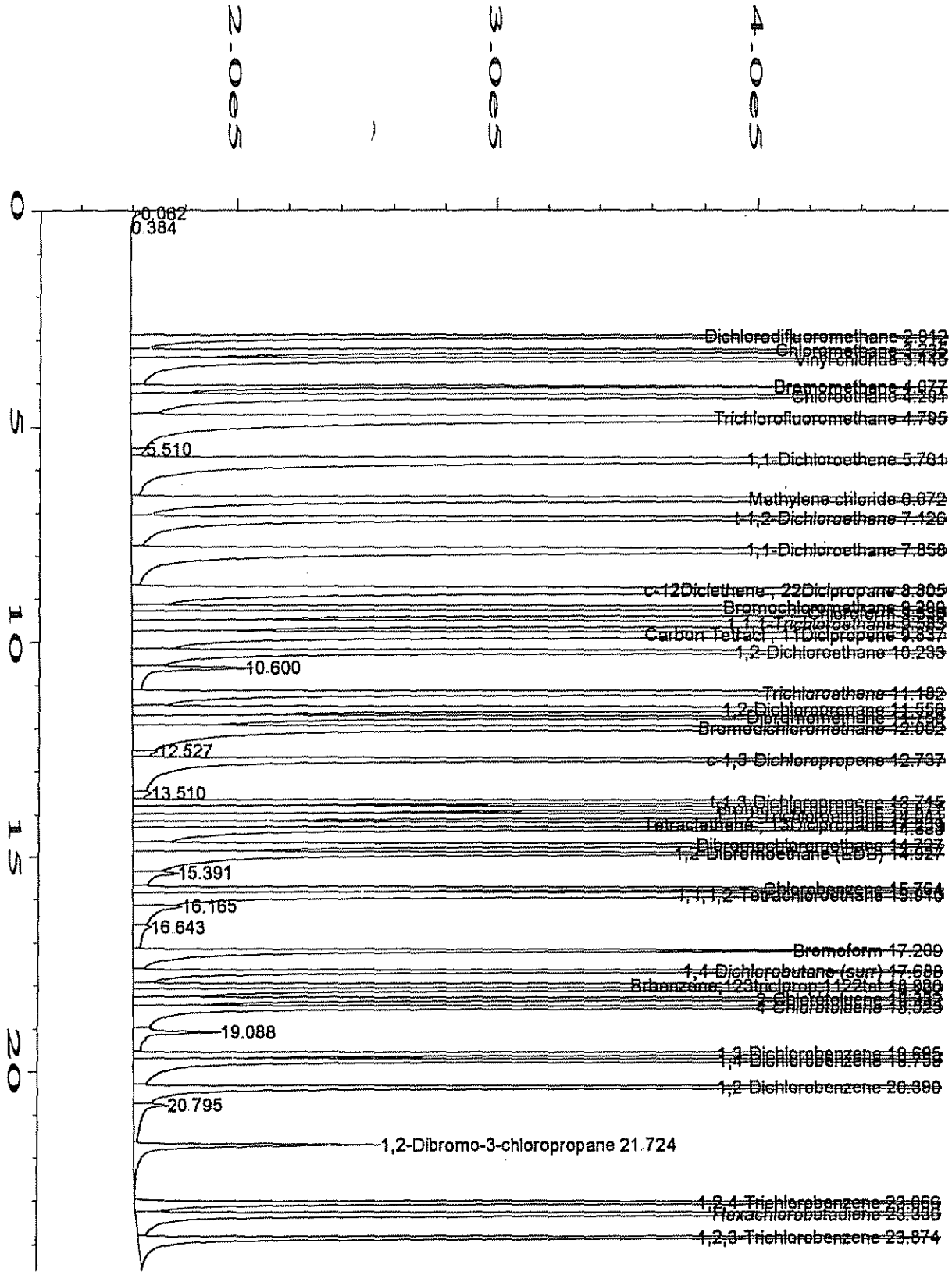
Data File Name : C:\HPCHEM\1\DATA\121205\014F0101.D

Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 14
Sample Name	: v25	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 03:19 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:10 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 Dec 05 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



user modified

Data File Name	: C:\HPCHEM\1\DATA\121205\014F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 14
Sample Name	: v25	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 03:19 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:10 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 Dec 05 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



Data File Name	: C:\HPCHEM\1\DATA\121205\014F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 14
Sample Name	: v25	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 03:19 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

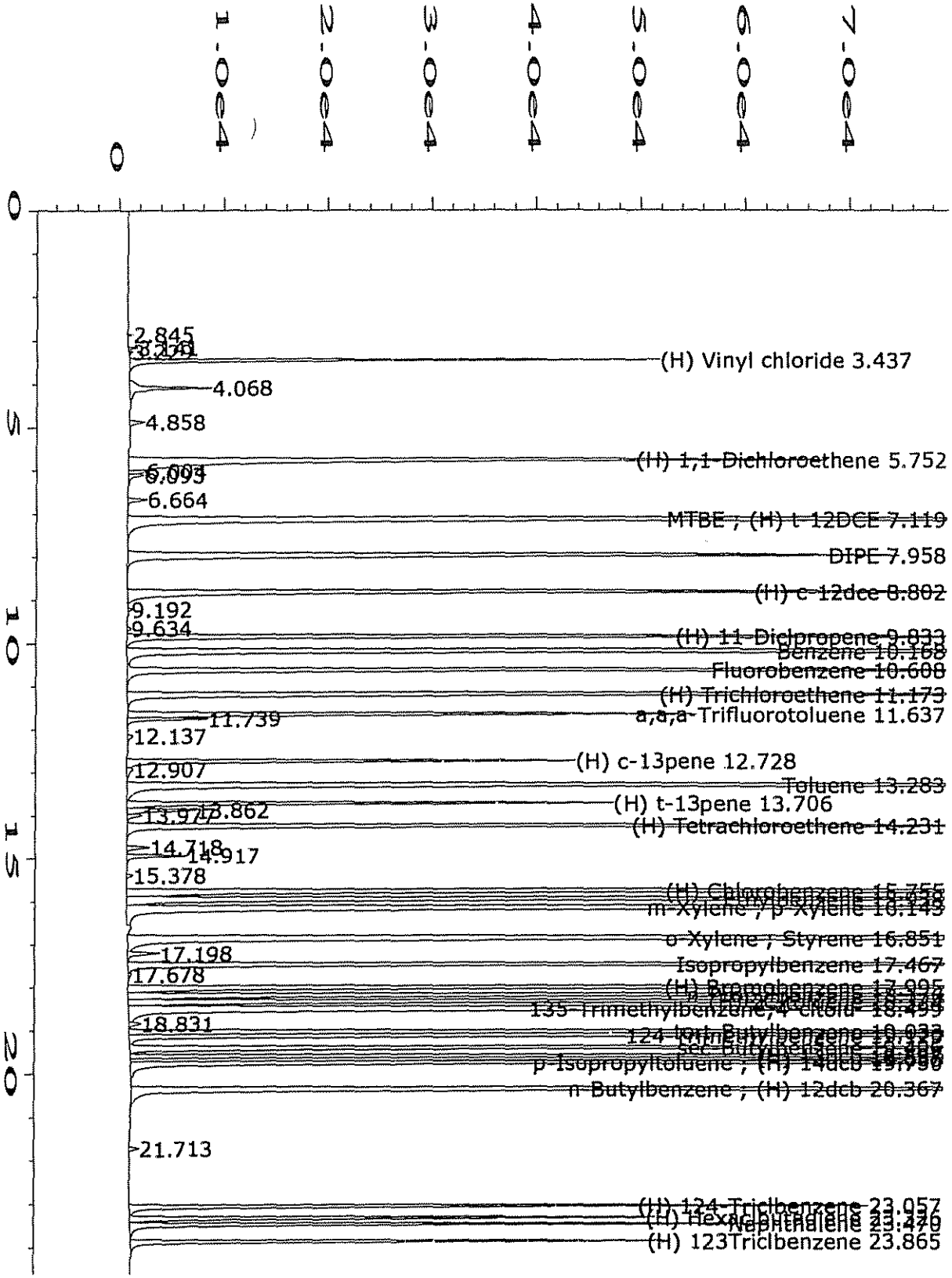
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\121205\014R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 14
Sample Name	: v25	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 03:19 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\121205\014R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.437	140495	BB	0.042	1	24.885	(H) Vinyl chloride
5.752	350224	BV	0.077	1	25.358	(H) 1,1-Dichloroethene
7.119	998635	BB	0.061	1	51.094	MTBE ; (H) t-12DCE
7.958	379460	BB	0.079	1	25.540	DIPE
8.802	394614	BV	0.061	1	25.514	(H) c-12dce
9.833	364605	PV	0.059	1	25.516	(H) 11-Diclpropene
10.168	858749	VV	0.058	1	25.519	Benzene
10.608	407682	VB	0.058	1-I	40.000	Fluorobenzene
11.173	498629	BV	0.055	1	25.543	(H) Trichloroethene
11.637	213369	VV	0.062	1	97.055	a,a,a-Trifluorotoluene
12.728	156494	BV	0.056	1	24.580	(H) c-13pene
13.283	793031	VV	0.059	1	25.459	Toluene
13.706	164899	VV	0.055	1	24.302	(H) t-13pene
14.231	376951	VB	0.060	1	25.421	(H) Tetrachloroethene
15.755	781085	BV	0.053	1	25.447	(H) Chlorobenzene
15.938	684689	VV	0.055	1	25.625	Ethylbenzene
16.143	1575597	VV	0.055	1	51.439	m-Xylene ; p-Xylene
16.851	1318204	VV	0.072	1	51.240	o-Xylene ; Styrene
17.467	518689	VV	0.055	1	25.546	Isopropylbenzene
17.995	679967	BV	0.050	1	25.499	(H) Bromobenzene
18.176	582992	VV	0.050	1	25.443	n-Propylbenzene
18.324	648565	VV	0.050	1	25.508	(H) 2Cltoluene
18.499	1510402	VV	0.072	1	51.269	135-Trimethylbenzene;4-cltolu
19.033	440808	VV	0.054	1	25.498	tert-Butylbenzene
19.120	651938	VV	0.050	1	25.444	124-Trimethylbenzene
19.406	443752	VV	0.055	1	25.465	sec-Butylbenzene
19.597	628678	VV	0.047	1	25.265	(H) 13dcb
19.750	613089	VB	0.048	1	51.290	p-Isopropyltoluene ; (H) 14dcb
20.367	831610	BB	0.064	1	50.761	n-Butylbenzene ; (H) 12dcb
23.057	215337	BV	0.047	1	25.490	(H) 124-Triclbenzene
23.326	169376	VV	0.051	1	25.154	(H) Hexaclbutadiene
23.470	186865	VV	0.047	1	26.000	Naphthalene
23.865	160035	VB	0.047	1	25.928	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121205\014R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 14
Sample Name	: v25	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 03:19 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:18 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

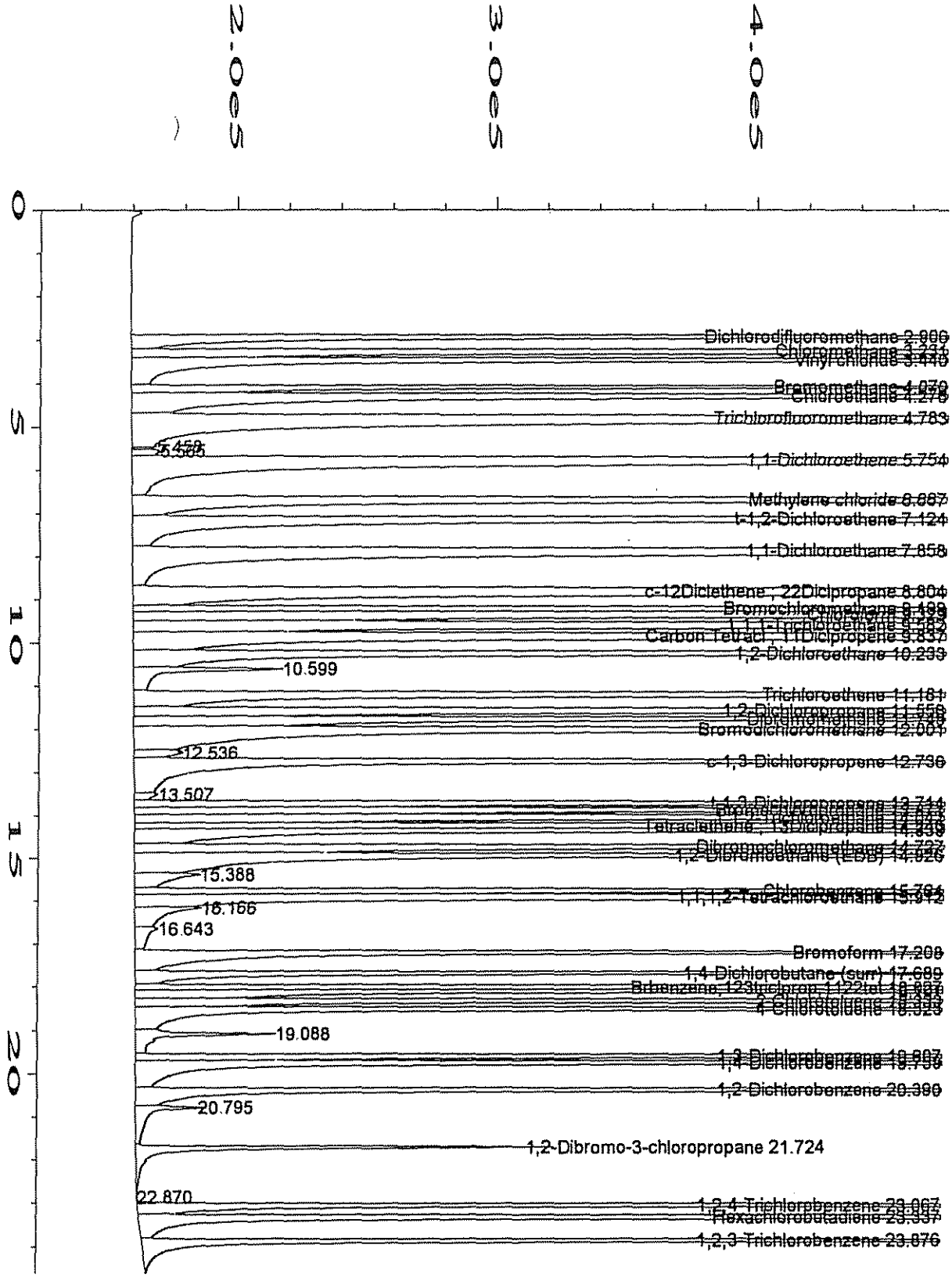
Data File Name : C:\HPCHEM\1\DATA\121205\015F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v40
Run Time Bar Code:
Acquired on : 12 Dec 05 03:50 PM
Report Created on: 13 Dec 05 09:18 AM
Last Recalib on : 13 DEC 05 09:11 AM
Multiplier : 1

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\121205\015F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.906	5416180	BV	0.045	1	33.375	Dichlorodifluoromethane
3.231	6648999	VV	0.056	1	33.621	Chloromethane
3.440	5685290	VV	0.055	1	33.847	Vinyl chloride
4.070	2370036	VV	0.052	1	42.315	Bromomethane
4.276	6106248	VV	0.073	1	34.852	Chloroethane
4.783	8328176	VV	0.110	1	35.191	Trichlorofluoromethane
5.754	1.0658E+007	VV	0.089	1	34.265	1,1-Dichloroethene
6.667	1.07025E+007	VV	0.070	1	33.953	Methylene chloride
7.124	1.05864E+007	VV	0.067	1	34.670	t-1,2-Dichloroethene
7.858	1.11967E+007	VV	0.086	1	34.412	1,1-Dichloroethane
8.804	1.67268E+007	VV	0.082	1	67.342	c-12Diclethene ; 22Diclpropane
9.199	5579637	VV	0.066	1	35.627	Bromochloromethane
9.329	1.26313E+007	VV	0.076	1	33.526	Chloroform
9.582	1.18106E+007	VV	0.078	1	34.019	1,1,1-Trichloroethane
9.837	1.84895E+007	VV	0.073	1	67.685	Carbon Tetracl ; 11Diclpropene
10.233	7588703	VV	0.064	1	34.584	1,2-Dichloroethane
11.181	1.10608E+007	VV	0.064	1	33.719	Trichloroethene
11.556	8803217	VV	0.068	1	34.019	1,2-Dichloropropane
11.749	4001528	VV	0.065	1	36.492	Dibromomethane
12.001	8644914	VV	0.073	1	34.744	Bromodichloromethane
12.736	7408270	VV	0.067	1	35.147	c-1,3-Dichloropropene
13.714	5239629	VV	0.061	1	36.741	t-1,3-Dichloropropene
13.871	3318486	VV	0.072	1-I	40.000	Bromochloropropane
14.042	6955263	VV	0.067	1	34.834	1,1,2-Trichloroethane
14.240	1.12494E+007	VV	0.066	1	42.306	Tetraclethene ; 13Diclpropane
14.727	4695929	VV	0.069	1	35.624	Dibromochloromethane
14.926	3832112	VV	0.079	1	35.995	1,2-Dibromoethane (EDB)
15.764	4648297	VV	0.060	1	34.986	Chlorobenzene
15.912	1.04336E+007	VV	0.071	1	34.786	1,1,1,2-Tetrachloroethane
17.208	2737226	VV	0.070	1	37.418	Bromoform
17.689	2144541	VV	0.060	1	99.236	1,4-Dichlorobutane (surr)
18.027	6010170	VV	0.068	1	64.468	Brbenzene;123triclprop;1122tet
18.333	4385714	VV	0.060	1	34.716	2-Chlorotoluene
18.523	4548834	VV	0.061	1	34.537	4-Chlorotoluene
19.607	5742239	VV	0.052	1	34.504	1,3-Dichlorobenzene
19.759	6299464	VV	0.060	1	34.330	1,4-Dichlorobenzene
20.390	5255668	VV	0.055	1	34.470	1,2-Dichlorobenzene
21.724	777809	VV	0.068	1	36.239	1,2-Dibromo-3-chloropropane
23.067	4039366	PV	0.053	1	35.387	1,2,4-Trichlorobenzene
23.337	5960257	VV	0.063	1	34.706	Hexachlorobutadiene
23.876	3132400	VBA	0.055	1	35.804	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121205\015F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 15
Sample Name	: v40	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 03:50 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

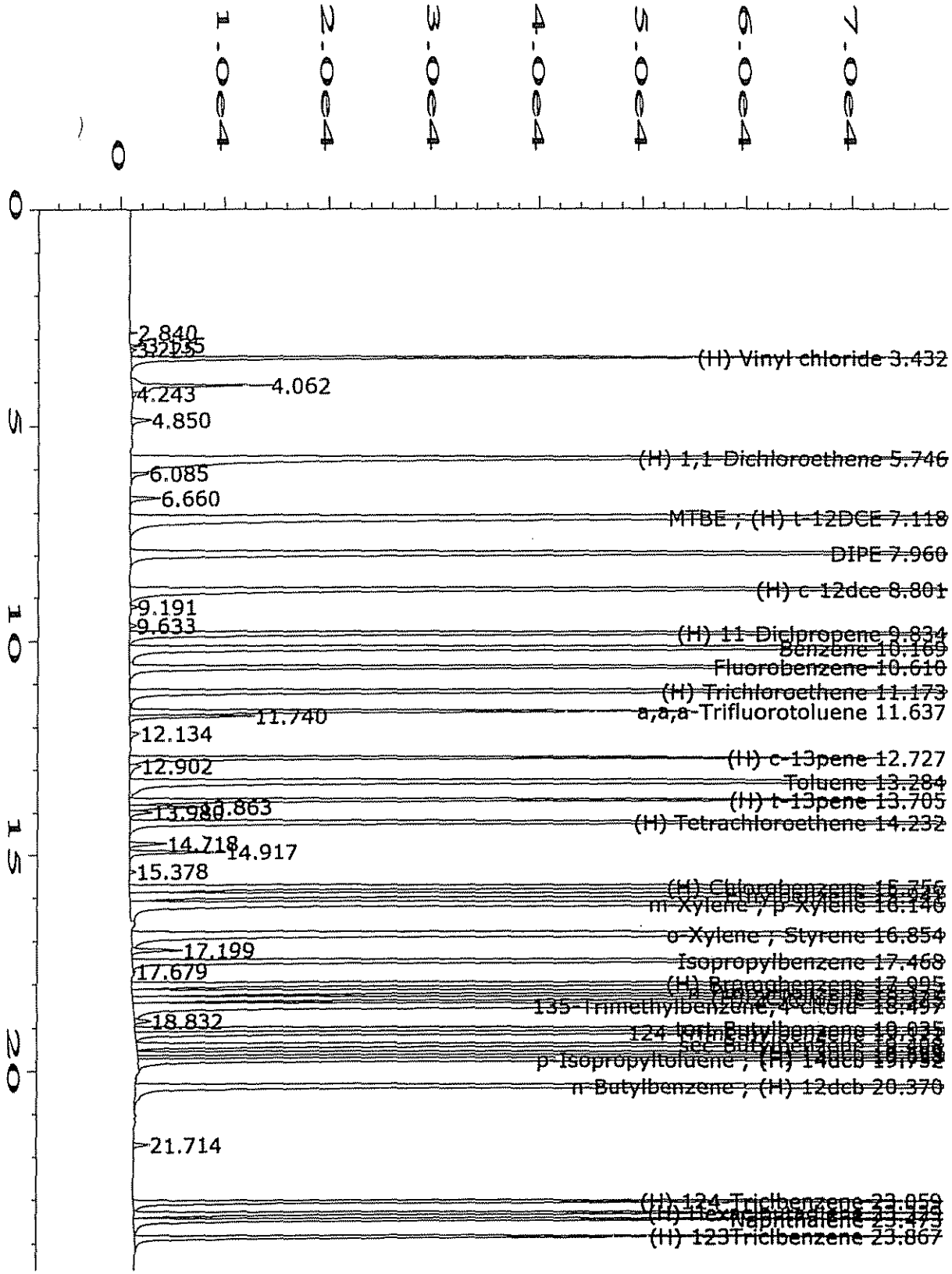
Data File Name : C:\HPCHEM\1\DATA\121205\015R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v40
Run Time Bar Code:
Acquired on : 12 Dec 05 03:50 PM
Report Created on: 13 Dec 05 09:18 AM
Last Recalib on : 13 DEC 05 08:35 AM
Multiplier : 1

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\121205\015R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.432	226441	BB	0.042	1	39.983	(H) Vinyl chloride
5.746	563250	BV	0.079	1	40.591	(H) 1,1-Dichloroethene
7.118	1593339	BB	0.062	1	81.069	MTBE ; (H) t-12DCE
7.960	605735	BV	0.079	1	40.501	DIPE
8.801	627904	BV	0.061	1	40.379	(H) c-12dce
9.834	580848	VV	0.058	1	40.433	(H) 11-Diclpropene
10.169	1364423	VV	0.058	1	40.333	Benzene
10.610	411749	VB	0.058	1-I	40.000	Fluorobenzene
11.173	795653	BV	0.055	1	40.534	(H) Trichloroethene
11.637	214775	VV	0.061	1	96.729	a,a,a-Trifluorotoluene
12.727	260360	BV	0.056	1	40.527	(H) c-13pene
13.284	1263355	VV	0.060	1	40.355	Toluene
13.705	279699	VV	0.055	1	40.674	(H) t-13pene
14.232	602817	VV	0.059	1	40.434	(H) Tetrachloroethene
15.756	1247974	BV	0.054	1	40.438	(H) Chlorobenzene
15.941	1083751	VV	0.055	1	40.420	Ethylbenzene
16.146	2482714	VV	0.055	1	80.818	m-Xylene ; p-Xylene
16.854	2088355	VV	0.071	1	80.832	o-Xylene ; Styrene
17.468	822207	PV	0.055	1	40.321	Isopropylbenzene
17.995	1086622	BV	0.050	1	40.539	(H) Bromobenzene
18.177	930100	VV	0.051	1	40.394	n-Propylbenzene
18.325	1031035	VV	0.049	1	40.397	(H) 2Cltoluene
18.497	2390723	VV	0.071	1	80.869	135-Trimethylbenzene;4-cltolu
19.035	701462	PV	0.055	1	40.356	tert-Butylbenzene
19.121	1041320	VV	0.050	1	40.421	124-Trimethylbenzene
19.408	707524	VV	0.054	1	40.364	sec-Butylbenzene
19.599	1014321	VV	0.047	1	40.433	(H) 13dcb
19.752	970063	VV	0.047	1	80.825	p-Isopropyltoluene ; (H) 14dcb
20.370	1336640	PB	0.065	1	80.993	n-Butylbenzene ; (H) 12dcb
23.059	346787	BV	0.046	1	40.404	(H) 124-Triclbenzene
23.329	273680	VV	0.053	1	40.193	(H) Hexaclbutadiene
23.473	293115	VV	0.046	1	39.983	Naphthalene
23.867	251071	VB	0.047	1	39.851	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121205\015R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 15
Sample Name	: v40	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 03:50 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

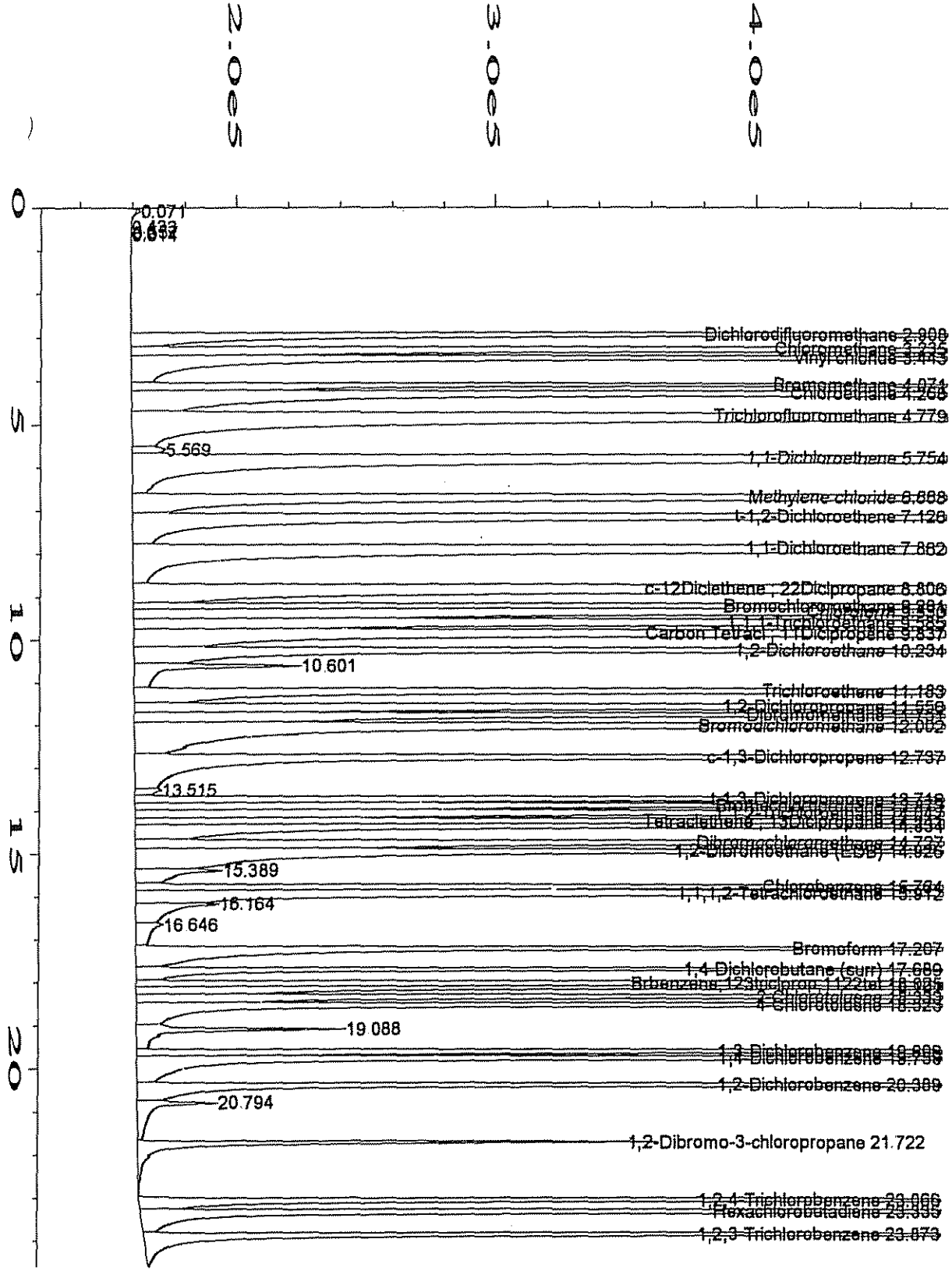
Data File Name : C:\HPCHEM\1\DATA\121205\016F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v50
Run Time Bar Code:
Acquired on : 12 Dec 05 04:21 PM
Report Created on: 13 Dec 05 09:18 AM
Last Recalib on : 13 DEC 05 09:11 AM
Multiplier : 1

Page Number : 1
Vial Number : 16
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\121205\016F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.908	6646734	BV	0.046	1	41.513	Dichlorodifluoromethane
3.235	8213214	VV	0.058	1	42.087	Chloromethane
3.443	7085609	VV	0.055	1	42.844	Vinyl chloride
4.071	2996660	VV	0.056	1	54.181	Bromomethane
4.268	7577126	VV	0.075	1	43.865	Chloroethane
4.779	1.02606E+007	VV	0.107	1	43.969	Trichlorofluoromethane
5.754	1.27766E+007	VV	0.089	1	41.633	1,1-Dichloroethene
6.668	1.2745E+007	VV	0.073	1	41.096	Methylene chloride
7.126	1.267E+007	VV	0.072	1	42.138	t-1,2-Dichloroethene
7.862	1.35001E+007	VV	0.087	1	42.114	1,1-Dichloroethane
8.806	2.00045E+007	VV	0.078	1	81.848	c-12Diclethene ; 22Diclpropane
9.201	6606807	VV	0.066	1	42.753	Bromochloromethane
9.330	1.52431E+007	VV	0.073	1	41.123	Chloroform
9.585	1.41168E+007	VV	0.076	1	41.295	1,1,1-Trichloroethane
9.837	2.18947E+007	VV	0.074	1	81.431	Carbon Tetracl ; 11Diclpropene
10.234	9003261	VV	0.065	1	41.651	1,2-Dichloroethane
11.183	1.3058E+007	VV	0.064	1	40.393	Trichloroethene
11.556	1.03464E+007	VV	0.070	1	40.668	1,2-Dichloropropane
11.751	4716926	VV	0.068	1	43.498	Dibromomethane
12.002	1.04176E+007	VV	0.076	1	42.447	Bromodichloromethane
12.737	8746885	VV	0.065	1	42.066	c-1,3-Dichloropropene
13.716	6248040	VV	0.059	1	44.291	t-1,3-Dichloropropene
13.873	3284055	VV	0.068	1-I	40.000	Bromochloropropane
14.042	8104991	VV	0.071	1	41.369	1,1,2-Trichloroethane
14.241	1.34457E+007	VV	0.067	1	51.636	Tetraclethene ; 13Diclpropane
14.727	5667405	VV	0.067	1	43.588	Dibromochloromethane
14.926	4744035	VV	0.085	1	45.277	1,2-Dibromoethane (EDB)
15.764	5643546	VV	0.060	1	43.063	Chlorobenzene
15.912	1.26611E+007	VV	0.069	1	42.961	1,1,1,2-Tetrachloroethane
17.207	3436915	VV	0.071	1	47.478	Bromoform
17.689	2153810	VV	0.060	1	100.710	1,4-Dichlorobutane (surr)
18.025	7382051	VV	0.068	1	80.680	Brbenzene;123triclprop;1122tet
18.333	5251027	VV	0.057	1	42.189	2-Chlorotoluene
18.523	5377009	VV	0.061	1	41.480	4-Chlorotoluene
19.606	6863760	VV	0.053	1	41.807	1,3-Dichlorobenzene
19.759	7476323	VV	0.059	1	41.387	1,4-Dichlorobenzene
20.389	6303629	VV	0.059	1	41.939	1,2-Dichlorobenzene
21.722	973419	VV	0.073	1	45.762	1,2-Dibromo-3-chloropropane
23.066	4930226	PV	0.054	1	43.624	1,2,4-Trichlorobenzene
23.335	7210563	VV	0.059	1	42.555	Hexachlorobutadiene
23.873	3897700	VBA	0.058	1	45.008	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121205\016F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 16
Sample Name	: v50	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 04:21 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:18 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

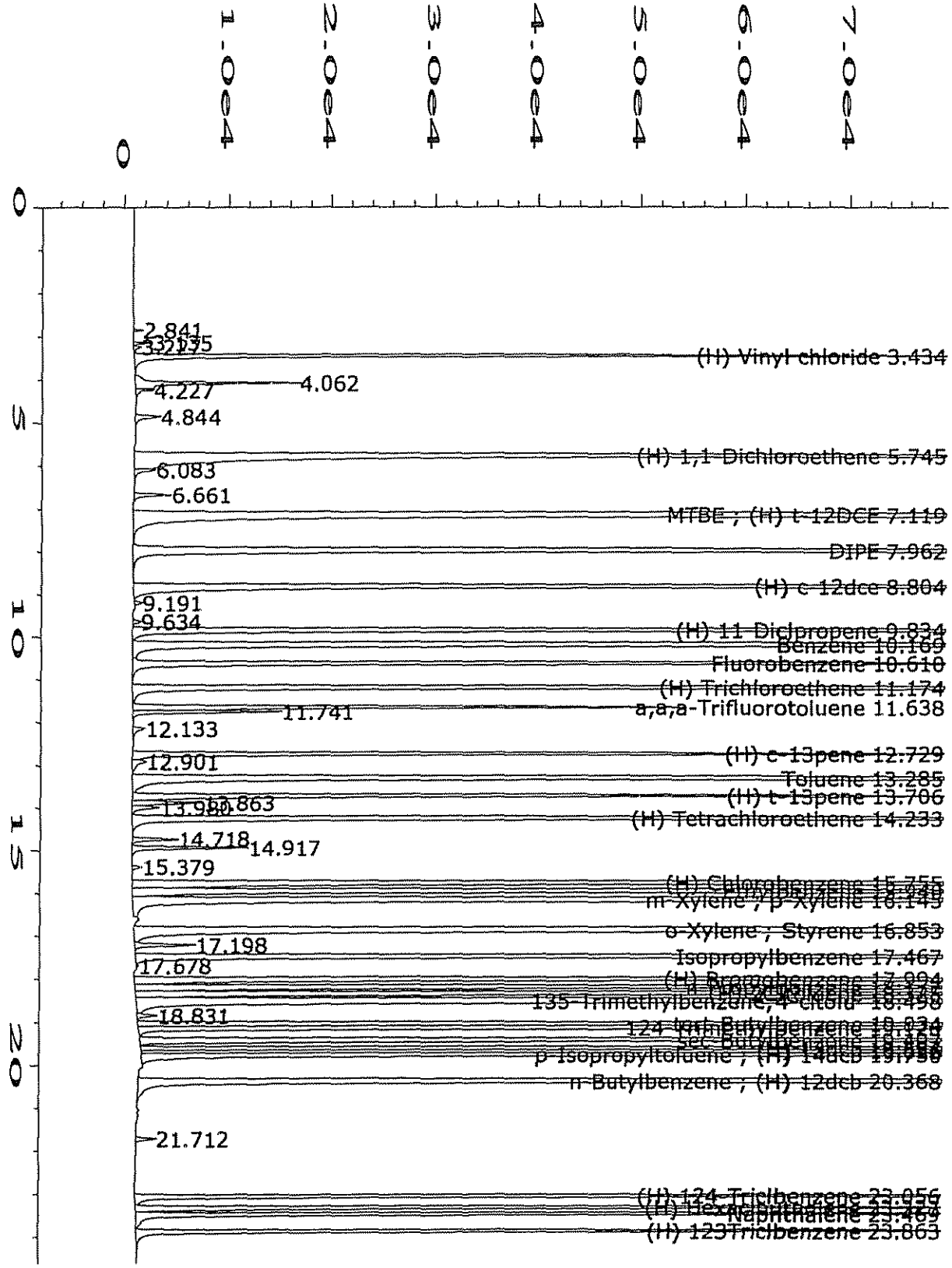
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\121205\016R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 16
Sample Name	: v50	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 04:21 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:18 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\121205\016R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.434	282861	VV	0.042	1	49.937	(H) Vinyl chloride
5.745	684087	BV	0.078	1	49.257	(H) 1,1-Dichloroethene
7.119	1939295	BV	0.064	1	98.564	MTBE ; (H) t-12DCE
7.962	739101	VB	0.079	1	49.351	DIPE
8.804	769195	BV	0.061	1	49.416	(H) c-12dce
9.834	709714	PV	0.059	1	49.356	(H) 11-Diclpropene
10.169	1673804	VV	0.058	1	49.433	Benzene
10.610	412737	VV	0.058	1-I	40.000	Fluorobenzene
11.174	969419	PV	0.056	1	49.334	(H) Trichloroethene
11.638	213960	VV	0.062	1	96.131	a,a,a-Trifluorotoluene
12.729	318362	BV	0.056	1	49.448	(H) c-13pene
13.285	1549651	VV	0.059	1	49.458	Toluene
13.706	341236	VV	0.054	1	49.460	(H) t-13pene
14.233	737592	VV	0.060	1	49.425	(H) Tetrachloroethene
15.755	1526387	BV	0.053	1	49.410	(H) Chlorobenzene
15.940	1322948	VV	0.055	1	49.323	Ethylbenzene
16.145	3029142	VV	0.055	1	98.588	m-Xylene ; p-Xylene
16.853	2550786	VV	0.071	1	98.670	o-Xylene ; Styrene
17.467	1008789	PV	0.056	1	49.441	Isopropylbenzene
17.994	1323382	BV	0.051	1	49.325	(H) Bromobenzene
18.177	1138402	VV	0.051	1	49.399	n-Propylbenzene
18.325	1260553	VV	0.051	1	49.366	(H) 2Cltoluene
18.498	2915575	VV	0.071	1	98.586	135-Trimethylbenzene;4-cltolu
19.034	860499	PV	0.054	1	49.458	tert-Butylbenzene
19.120	1274084	VV	0.049	1	49.407	124-Trimethylbenzene
19.407	867906	VV	0.055	1	49.458	sec-Butylbenzene
19.597	1242744	VV	0.047	1	49.447	(H) 13dcb
19.750	1184923	VV	0.047	1	98.673	p-Isopropyltoluene ; (H) 14dcb
20.368	1634112	PV	0.065	1	98.859	n-Butylbenzene ; (H) 12dcb
23.056	430501	BV	0.046	1	49.940	(H) 124-Triclbenzene
23.327	341287	VV	0.052	1	49.982	(H) Hexaclbutadiene
23.469	372851	VV	0.046	1	50.544	Naphthalene
23.863	322043	VB	0.047	1	50.779	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121205\016R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 16
Sample Name	: v50	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 12 Dec 05 04:21 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:18 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

601/602 CVS Raw Data

Control Limits for QC Check / Laboratory Control Spike

Method : 601 **Spike[ppb] : 10**
Instrument : gc3
Filename : 121305\004f0101.txt

			QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Bromodichloromethane	10.4	103.6	76.0	124.0	104	42	172
Bromoform	9.3	93.2	73.5	126.5	93	13	159
Bromomethane	10.9	108.7	58.5	141.5	109	D	144
Carbon tetrachloride	11.4	114.4	68.5	131.5	114	43	143
Chlorobenzene	10.7	106.8	72.0	128.0	107	38	150
Chloroethane	11.7	117.2	77.0	123.0	117	46	137
Chloroform	11.3	113.1	75.0	125.0	113	49	133
Chloromethane	11.3	112.9	59.5	140.5	113	D	193
Dibromochloromethane	10.0	100.2	65.5	134.5	100	24	191
• 1,2-Dibromoethane	9.6	96.4	13.6	186.4	96	D	206
1,2-Dichlorobenzene	10.5	104.8	70.0	130.0	105	D	208
1,3-Dichlorobenzene	10.6	106.0	49.5	150.5	106	7	187
1,4-Dichlorobenzene	10.8	108.2	69.5	130.5	108	42	143
1,1-Dichloroethane	11.2	111.9	84.0	116.0	112	47	132
1,2-Dichloroethane	10.8	108.4	71.5	128.5	108	51	147
1,1-Dichloroethene	11.5	114.9	63.0	137.0	115	28	167
• cis-1,2-Dichloroethene	11.5	114.8	34.4	180.6	115	19	181
trans-1,2-Dichloroethene	11.4	113.7	64.0	136.0	114	38	155
1,2-Dichloropropane	10.9	109.1	74.0	126.0	109	44	156
cis-1,3-Dichloropropene	10.4	104.1	64.0	136.0	104	22	178
trans-1,3-Dichloropropene	9.8	98.4	64.0	136.0	98	22	178
Methylene Chloride	11.3	113.0	77.5	122.5	113	25	162
1,1,2,2-Tertrachloroethane	10.0	100.1	49.0	151.0	100	8	184
Tetrachloroethane	11.0	110.0	70.0	130.0	110	26	162
1,1,1-Trichloroethane	11.3	112.9	71.0	129.0	113	41	138
1,1,2-Trichloroethane	10.4	103.6	78.5	121.5	104	39	136
Trichloroethene	11.3	113.1	77.0	123.0	113	36	146
Trichloroflurometh ane	10.9	108.9	66.5	133.5	109	21	156
Vinyl Chloride	11.9	118.7	68.5	131.5	119	28	163

Method: 602 **Spike[ppb] : 10**
Instrument : gc3
Filename : 121305\004r0101.txt

			QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Benzene	10.2	102.4	77.0	123.0	102	39	150
Chlorobenzene	9.9	98.9	80.5	119.5	99	55	135
1,2-Dichlorobenzene	10.0	99.9	68.0	132.0	100	37	154
1,3-Dichlorobenzene	9.7	96.8	72.5	127.5	97	50	141
1,4-Dichlorobenzene	9.9	98.8	69.5	130.5	99	42	143
• Diisopropyl ether	9.6	96.1	43.1	156.9	96	30	170
Ethylbenzene	10.4	103.6	63.0	137.0	104	32	160
• MTBE	9.9	99.3	46.8	153.2	99	35	165
Toluene	10.2	101.7	77.5	127.0	102	46	148
• m,p-Xylene	20.8	104.1	11.2	188.8	104	D	239
• o-Xylene	10.1	100.8	47.6	152.4	101	36	164

Flags :

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

Reviewed by:_____

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\121305\004F0101.D
Operator : MJC
Instrument : GC3
Sample Name : qchk010
Run Time Bar Code:
Acquired on : 13 Dec 05 11:11 AM
Report Created on: 14 Dec 05 09:47 AM
Last Recalib on : 13 DEC 05 09:11 AM
Multiplier : 1

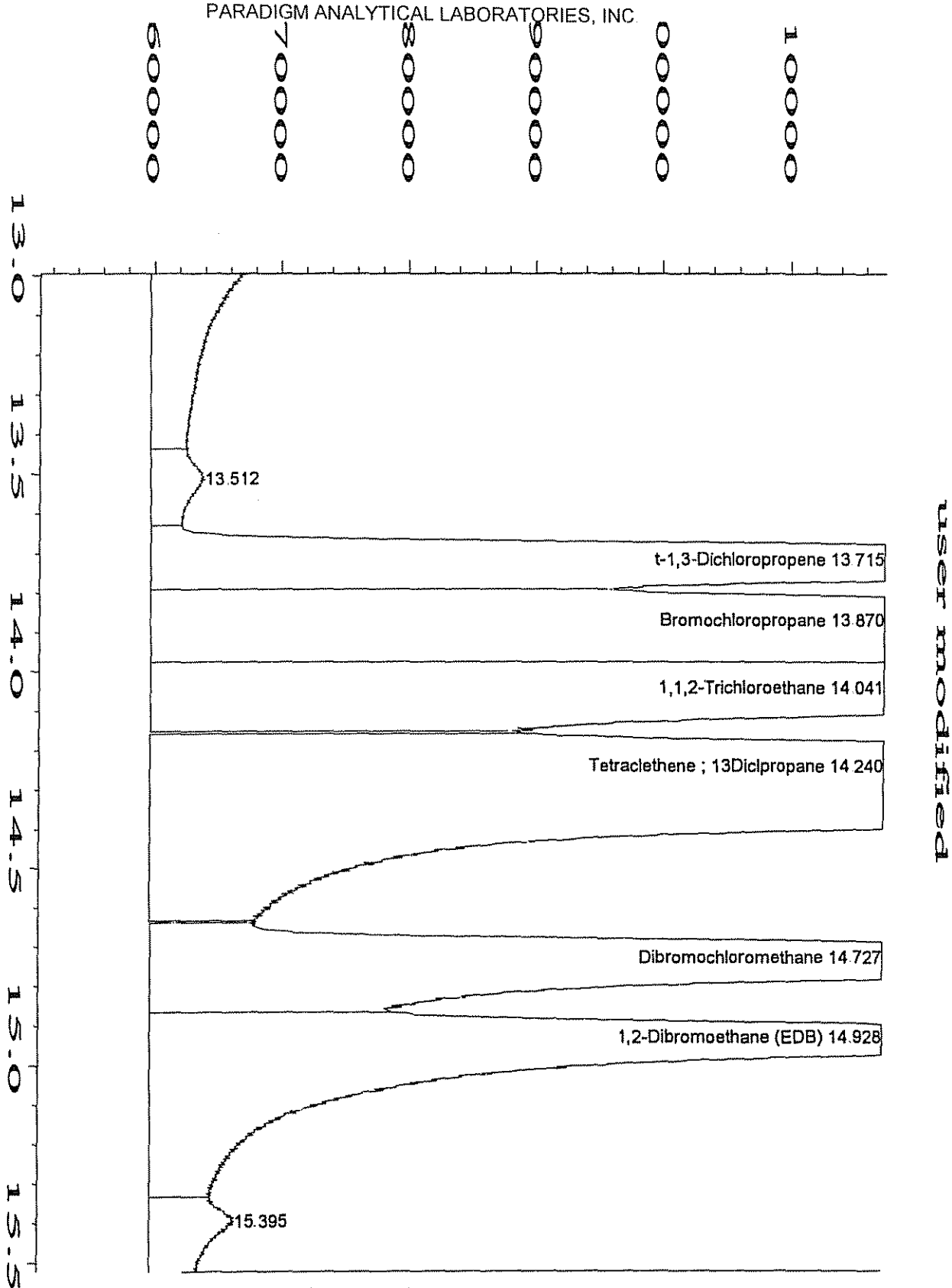
Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 1 in C:\HPCHEM\1\DATA\121305\004F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.913	1468966	BV	0.049	1	11.406	Dichlorodifluoromethane
3.237	1769064	VV	0.060	1	11.286	Chloromethane
3.445	1605467	VV	0.062	1	11.869	Vinyl chloride
4.083	482592	VV	0.062	1	10.869	Bromomethane
4.303	1640063	VV	0.074	1	11.724	Chloroethane
4.804	2065715	VV	0.117	1	10.888	Trichlorofluoromethane
5.769	2847678	VV	0.095	1	11.488	1,1-Dichloroethene
6.677	2929388	VV	0.072	1	11.298	Methylene chloride
7.130	2829107	VV	0.064	1	11.369	t-1,2-Dichloroethene
7.862	2950184	VV	0.084	1	11.194	1,1-Dichloroethane
8.805	4666892	VV	0.074	1	22.955	c-12Diclethene ; 22Diclpropane
9.202	1344795	VV	0.064	1	10.705	Bromochloromethane
9.331	3488890	VV	0.069	1	11.309	Chloroform
9.584	3193950	VV	0.074	1	11.289	1,1,1-Trichloroethane
9.839	5118954	VV	0.072	1	22.879	Carbon Tetracl ; 11Diclpropene
10.234	1941725	VV	0.067	1	10.841	1,2-Dichloroethane
11.183	3001252	VV	0.060	1	11.307	Trichloroethene
11.555	2360762	VV	0.068	1	10.910	1,2-Dichloropropane
11.750	874675	VV	0.065	1	10.231	Dibromomethane
12.001	2071668	VV	0.070	1	10.360	Bromodichloromethane
12.737	1769044	VV	0.069	1	10.413	c-1,3-Dichloropropene
13.715	1088847	VV	0.059	1	9.838	t-1,3-Dichloropropene
13.870	2557783	VV	0.074	1-I	40.000	Bromochloropropane
14.041	1796610	VF	0.070	1	10.358	1,1,2-Trichloroethane
14.240	4750428	MM	0.104	1	22.002	Tetraclethene ; 13Diclpropane
14.727	1065173	FV	0.070	1	10.022	Dibromochloromethane
14.928	849007	VV	0.081	1	9.641	1,2-Dibromoethane (EDB)
15.763	1137381	VV	0.060	1	10.683	Chlorobenzene
15.908	2912419	VV	0.070	1	11.737	1,1,1,2-Tetrachloroethane
17.208	525596	VV	0.069	1	9.315	Bromoform
17.685	1633678	VF	0.060	1	98.079	1,4-Dichlorobutane (surr)
18.024	2260285	MM	0.117	1	30.041	Brbenzene;123triclprop;1122tet
18.330	1118740	FV	0.059	1	10.891	2-Chlorotoluene
18.521	1165410	VV	0.063	1	10.698	4-Chlorotoluene
19.603	1414564	VV	0.056	1	10.598	1,3-Dichlorobenzene
19.756	1631833	VV	0.060	1	10.817	1,4-Dichlorobenzene
20.387	1293159	VV	0.055	1	10.483	1,2-Dichlorobenzene
21.725	153209	VV	0.083	1	9.447	1,2-Dibromo-3-chloropropane
23.064	909027	PV	0.055	1	10.395	1,2,4-Trichlorobenzene
23.331	1585129	VV	0.059	1	11.597	Hexachlorobutadiene
23.872	721126	VBA	0.061	1	10.723	1,2,3-Trichlorobenzene

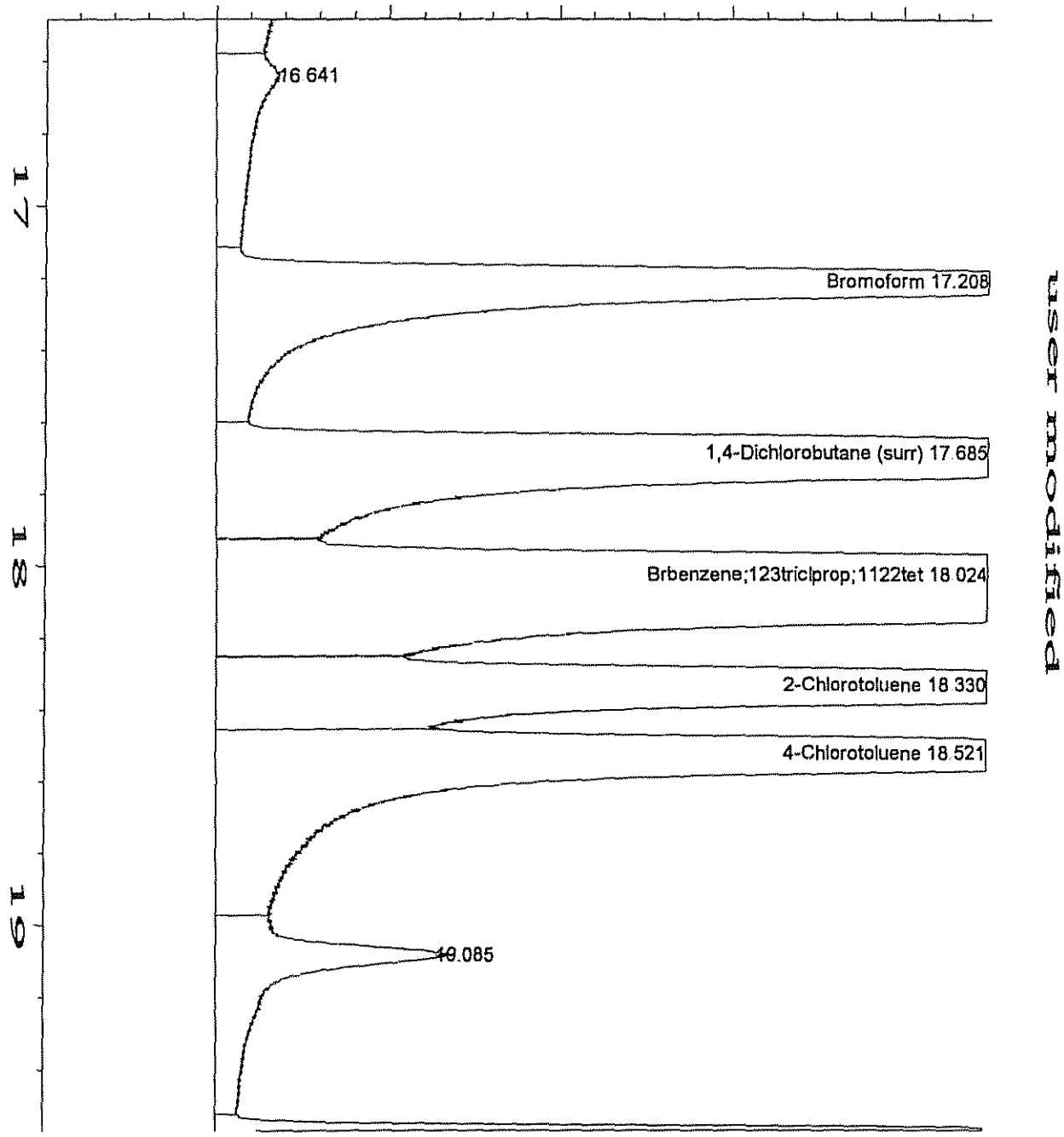
Calibration table contains at least one peak with amt = 0

User Modified



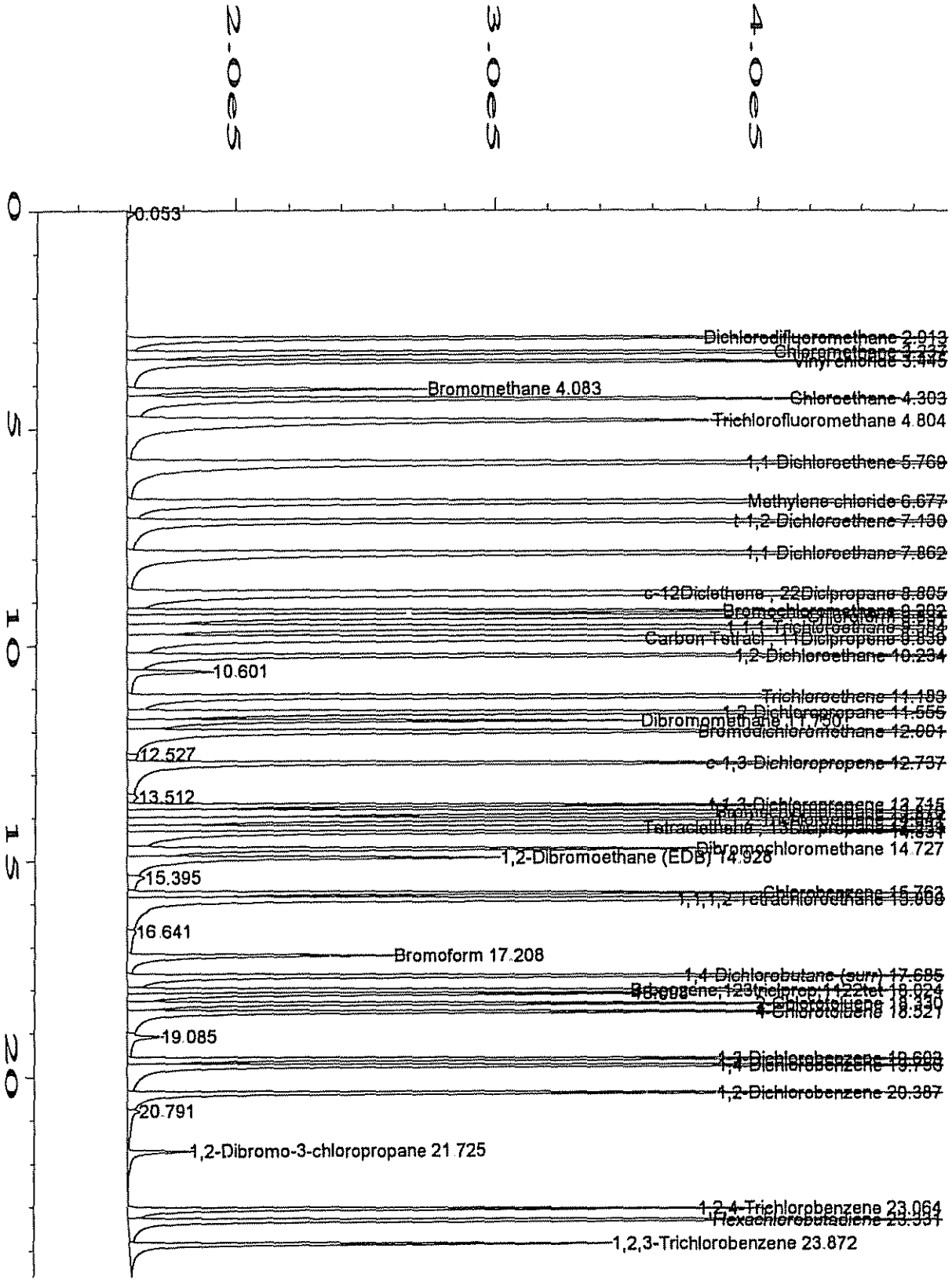
User Modified

Data File Name	: C:\HPCHEM\1\DATA\121305\004F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 4
Sample Name	: qchk010	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 11:11 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	14 Dec 05 09:46 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



user modified

Data File Name	: C:\HPCHEM\1\DATA\121305\004F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 4
Sample Name	: qchk010	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 11:11 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 14 Dec 05 09:47 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



Data File Name	: C:\HPCHEM\1\DATA\121305\004F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 4
Sample Name	: qchk010	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 11:11 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 11:36 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

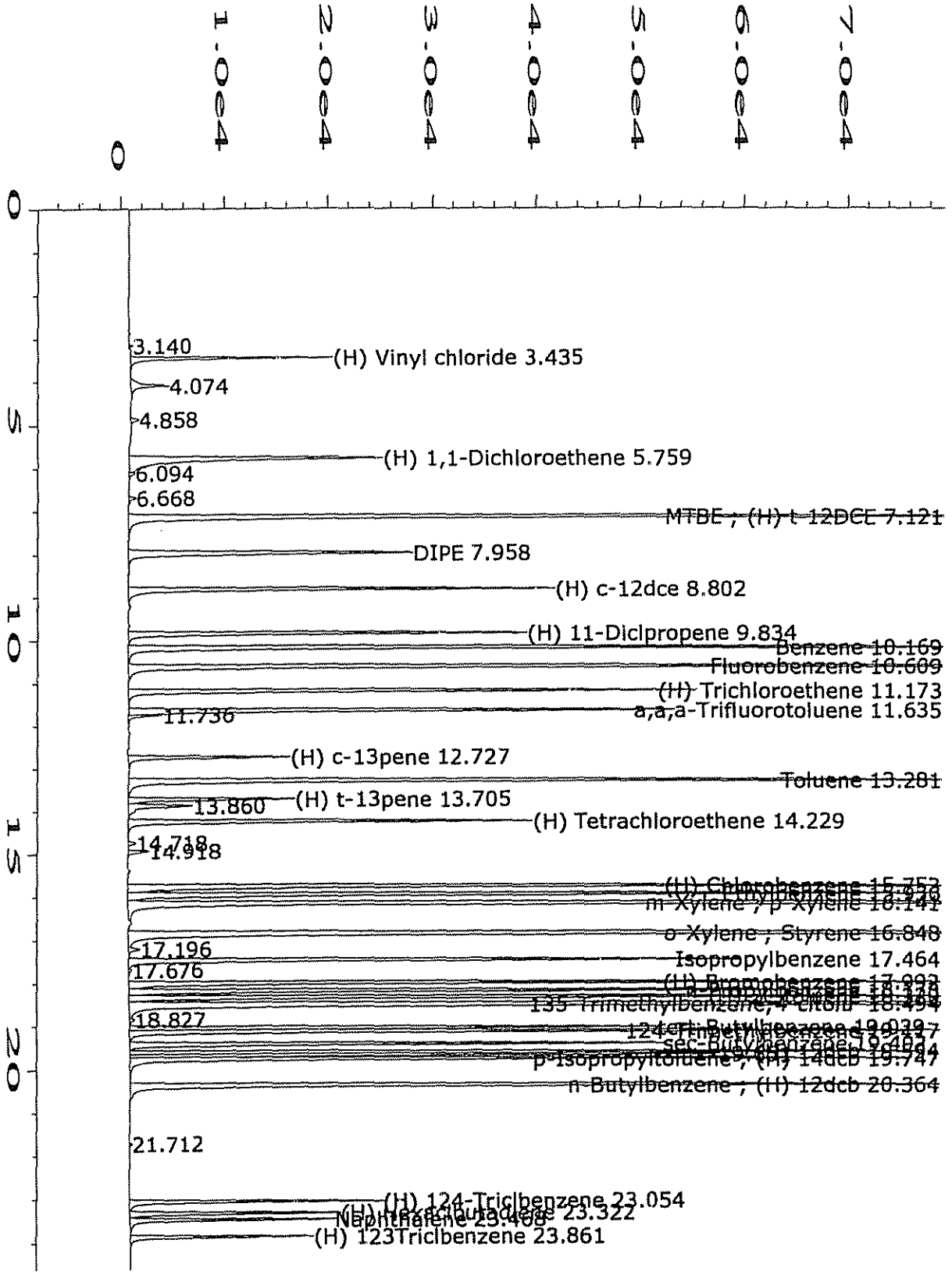
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\121305\004R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 4
Sample Name	: qchk010	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 11:11 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 11:36 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\121305\004R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.435	59785	BB	0.046	1	10.512	(H) Vinyl chloride
5.759	143418	BV	0.085	1	10.353	(H) 1,1-Dichloroethene
7.121	388869	BB	0.058	1	19.869	MTBE ; (H) t-12DCE
7.958	142427	BB	0.080	1	9.606	DIPE
8.802	158368	BV	0.059	1	10.227	(H) c-12dce
9.834	146776	PV	0.059	1	10.257	(H) 11-Diclpropene
10.169	345259	VV	0.058	1	10.242	Benzene
10.609	400838	VV	0.058	1-I	40.000	Fluorobenzene
11.173	196937	PV	0.056	1	10.076	(H) Trichloroethene
11.635	210801	VV	0.063	1	97.523	a,a,a-Trifluorotoluene
12.727	58525	BB	0.057	1	9.315	(H) c-13pene
13.281	317551	BV	0.060	1	10.166	Toluene
13.705	58342	VV	0.055	1	8.876	(H) t-13pene
14.229	149667	VB	0.060	1	10.080	(H) Tetrachloroethene
15.753	304262	BV	0.054	1	9.892	(H) Chlorobenzene
15.936	279213	VV	0.056	1	10.359	Ethylbenzene
16.141	644464	VV	0.056	1	20.811	m-Xylene ; p-Xylene
16.848	521827	VV	0.073	1	20.150	o-Xylene ; Styrene
17.464	211770	VV	0.056	1	10.376	Isopropylbenzene
17.992	264579	BV	0.050	1	9.890	(H) Bromobenzene
18.173	235718	VV	0.049	1	10.256	n-Propylbenzene
18.320	264789	VV	0.051	1	10.340	(H) 2Cltoluene
18.494	611264	VV	0.069	1	20.563	135-Trimethylbenzene;4-cltolu
19.029	177134	VV	0.054	1	10.234	tert-Butylbenzene
19.117	260135	VV	0.051	1	10.141	124-Trimethylbenzene
19.402	179356	VV	0.054	1	10.302	sec-Butylbenzene
19.594	238567	VV	0.047	1	9.677	(H) 13dcb
19.747	238153	VB	0.048	1	19.758	p-Isopropyltoluene ; (H) 14dcb
20.364	325441	BB	0.066	1	19.989	n-Butylbenzene ; (H) 12dcb
23.054	79074	BV	0.049	1	9.775	(H) 124-Triclbenzene
23.322	69834	VV	0.053	1	10.595	(H) Hexaclbutadiene
23.468	65135	VV	0.049	1	9.682	Naphthalene
23.861	57313	VB	0.049	1	9.931	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121305\004R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 4
Sample Name	: qchk010	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 11:11 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 11:36 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 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\121305\005F0101.D
Operator : MJC
Instrument : GC3
Sample Name : lcs4121305a
Run Time Bar Code:
Acquired on : 13 Dec 05 11:41 AM
Report Created on: 14 Dec 05 09:49 AM
Last Recalib on : 13 DEC 05 09:11 AM
Multiplier : 1

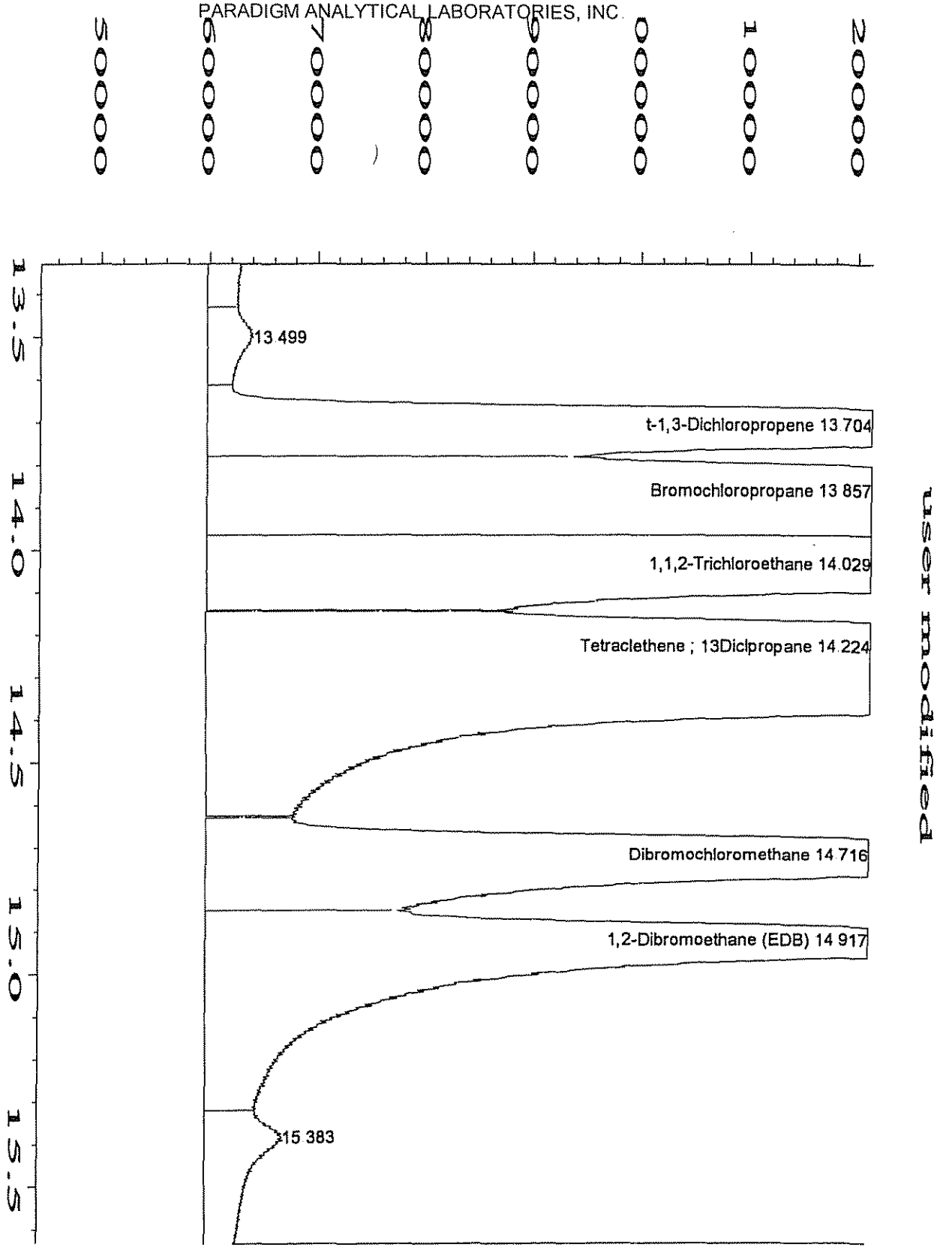
Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 1 in C:\HPCHEM\1\DATA\121305\005F0101.D

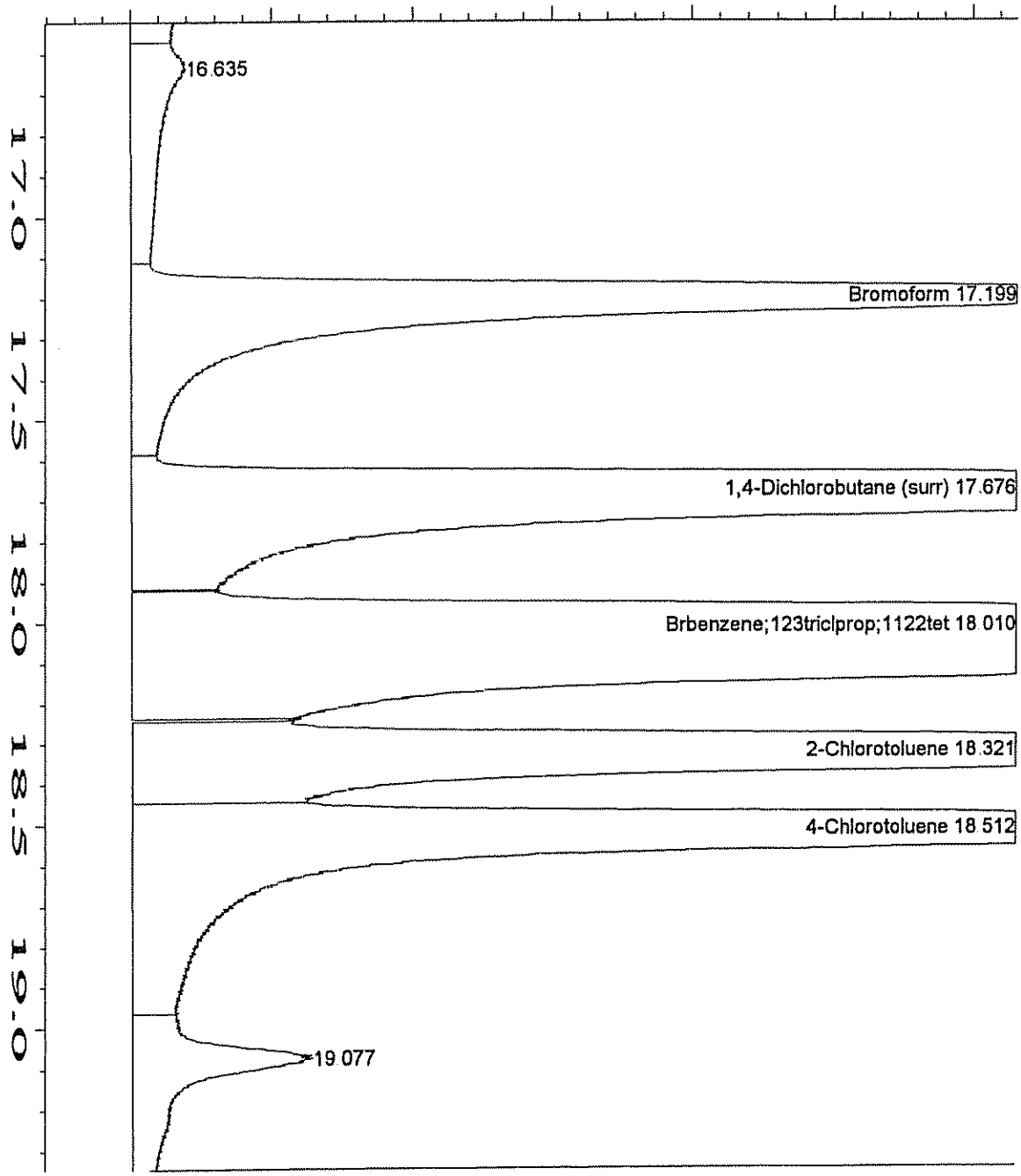
Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.911	1501657	BV	0.048	1	11.942	Dichlorodifluoromethane
3.235	1746212	VV	0.059	1	11.391	Chloromethane
3.442	1610561	VV	0.061	1	12.192	Vinyl chloride
4.079	485976	VV	0.064	1	11.200	Bromomethane
4.300	1658212	VV	0.077	1	12.138	Chloroethane
4.801	2066927	VV	0.116	1	11.150	Trichlorofluoromethane
5.766	2907015	VV	0.100	1	12.014	1,1-Dichloroethene
6.672	2983416	VV	0.071	1	11.810	Methylene chloride
7.122	2906638	VV	0.067	1	11.990	t-1,2-Dichloroethene
7.855	3042610	VV	0.082	1	11.847	1,1-Dichloroethane
8.796	4813553	VV	0.078	1	24.322	c-12Diclethene ; 22Diclpropane
9.193	1383552	VV	0.067	1	11.290	Bromochloromethane
9.322	3616646	VV	0.067	1	12.048	Chloroform
9.574	3307057	VV	0.074	1	12.006	1,1,1-Trichloroethane
9.829	5212925	VV	0.071	1	23.907	Carbon Tetracl ; 11Diclpropene
10.223	1995769	VV	0.067	1	11.439	1,2-Dichloroethane
11.171	3083528	VV	0.062	1	11.918	Trichloroethene
11.545	2429123	VV	0.071	1	11.548	1,2-Dichloropropane
11.739	881197	VV	0.066	1	10.541	Dibromomethane
11.991	2075176	VV	0.072	1	10.623	Bromodichloromethane
12.725	1752670	VV	0.071	1	10.554	c-1,3-Dichloropropene
13.704	1028995	VV	0.058	1	9.500	t-1,3-Dichloropropene
13.857	2502303	VV	0.073	1-I	40.000	Bromochloropropane
14.029	1760257	VF	0.069	1	10.376	1,1,2-Trichloroethane
14.224	4693688	MM	0.106	1	22.247	Tetraclethene ; 13Diclpropane
14.716	1042352	FV	0.066	1	10.025	Dibromochloromethane
14.917	850646	VV	0.087	1	9.898	1,2-Dibromoethane (EDB)
15.753	1128275	VV	0.058	1	10.841	Chlorobenzene
15.898	2912605	VV	0.072	1	12.028	1,1,1,2-Tetrachloroethane
17.199	516882	VV	0.070	1	9.364	Bromoform
17.676	1617913	VF	0.062	1	99.287	1,4-Dichlorobutane (surr)
18.010	2273137	MM	0.118	1	30.959	Brbenzene;123triclprop;1122tet
18.321	1099153	FV	0.058	1	10.942	2-Chlorotoluene
18.512	1167500	VV	0.061	1	10.983	4-Chlorotoluene
19.595	1441637	VV	0.053	1	11.067	1,3-Dichlorobenzene
19.748	1646062	VV	0.061	1	11.187	1,4-Dichlorobenzene
20.378	1308019	VV	0.058	1	10.864	1,2-Dichlorobenzene
21.718	151129	VV	0.085	1	9.523	1,2-Dibromo-3-chloropropane
23.056	927874	PV	0.058	1	10.842	1,2,4-Trichlorobenzene
23.323	1606529	VV	0.061	1	12.035	Hexachlorobutadiene
23.862	745232	VBA	0.059	1	11.324	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0

User Modified

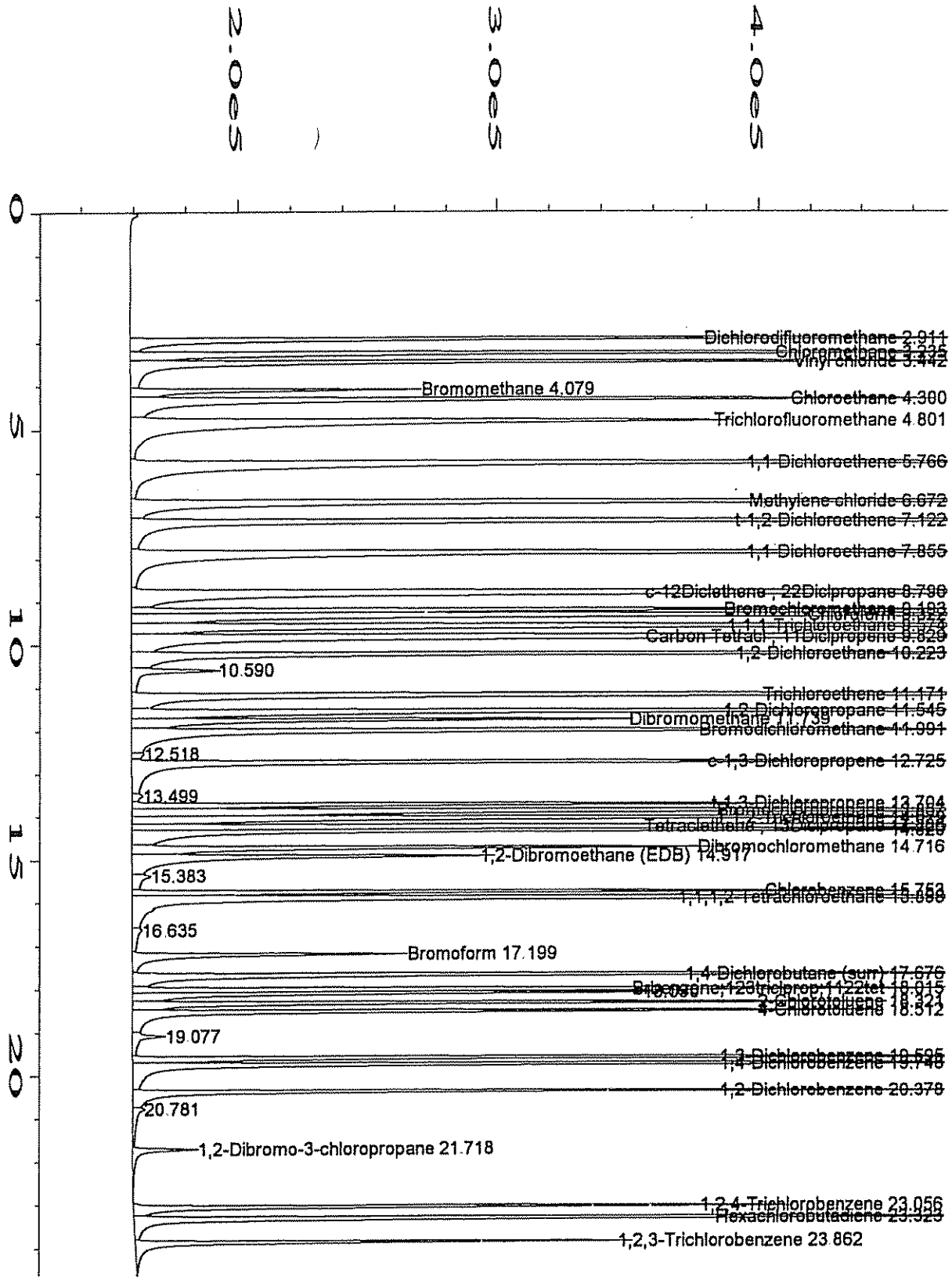


Data File Name	: C:\HPCHEM\1\DATA\121305\005F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 5
Sample Name	: lcs4121305a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 11:41 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 14 Dec 05 09:48 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



User modified

Data File Name	: C:\HPCHEM\1\DATA\121305\005F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 5
Sample Name	: lcs4121305a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 11:41 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 14 Dec 05 09:49 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40



Data File Name	: C:\HPCHEM\1\DATA\121305\005F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 5
Sample Name	: lcs4121305a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 11:41 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 12:06 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

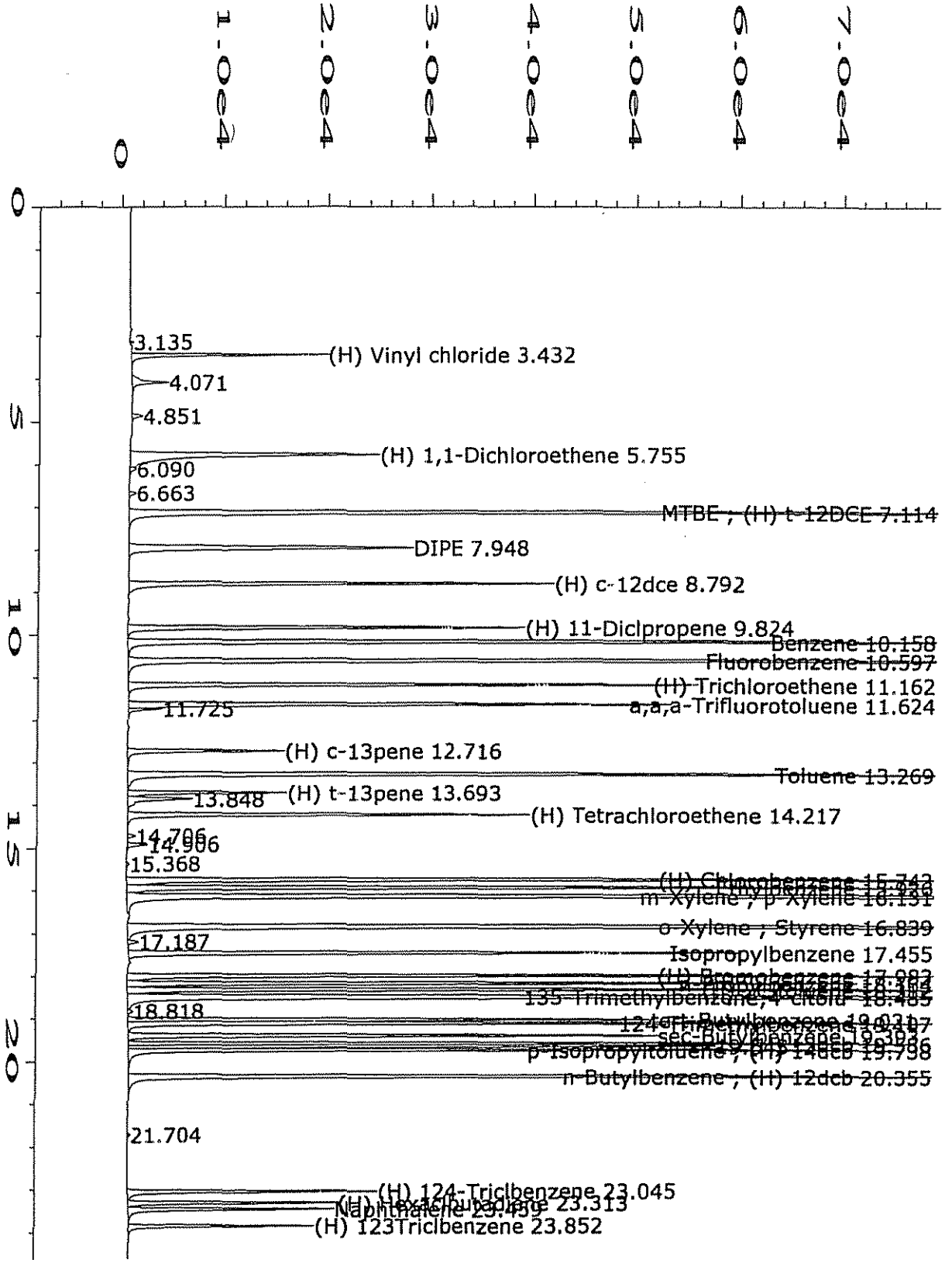
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\121305\005R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 5
Sample Name	: lcs4121305a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 11:41 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 12:06 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\121305\005R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.432	59848	BB	0.046	1	10.503	(H) Vinyl chloride
5.755	145108	BV	0.087	1	10.459	(H) 1,1-Dichloroethene
7.114	392926	BB	0.059	1	20.043	MTBE ; (H) t-12DCE
7.948	142896	BB	0.081	1	9.619	DIPE
8.792	160311	BV	0.060	1	10.336	(H) c-12dce
9.824	148536	VV	0.060	1	10.364	(H) 11-Diclpropene
10.158	349667	VV	0.059	1	10.357	Benzene
10.597	401604	VB	0.058	1-I	40.000	Fluorobenzene
11.162	199470	BV	0.056	1	10.190	(H) Trichloroethene
11.624	210456	PV	0.062	1	97.179	a,a,a-Trifluorotoluene
12.716	58831	BB	0.059	1	9.346	(H) c-13pene
13.269	321035	BV	0.060	1	10.261	Toluene
13.693	56536	VV	0.056	1	8.591	(H) t-13pene
14.217	151285	VB	0.060	1	10.172	(H) Tetrachloroethene
15.743	305844	BV	0.054	1	9.926	(H) Chlorobenzene
15.926	280637	VV	0.056	1	10.393	Ethylbenzene
16.131	646689	VV	0.056	1	20.844	m-Xylene ; p-Xylene
16.839	523999	VV	0.073	1	20.197	o-Xylene ; Styrene
17.455	211602	PV	0.055	1	10.347	Isopropylbenzene
17.983	264942	BV	0.051	1	9.885	(H) Bromobenzene
18.164	236668	VV	0.052	1	10.279	n-Propylbenzene
18.312	265567	VV	0.051	1	10.351	(H) 2Cltoluene
18.485	613018	VV	0.065	1	20.583	135-Trimethylbenzene;4-cltolu
19.021	177830	VV	0.053	1	10.255	tert-Butylbenzene
19.107	260819	VV	0.051	1	10.148	124-Trimethylbenzene
19.393	179594	VV	0.055	1	10.295	sec-Butylbenzene
19.586	238644	VV	0.047	1	9.662	(H) 13dcb
19.738	237805	VB	0.048	1	19.689	p-Isopropyltoluene ; (H) 14dcb
20.355	323851	BB	0.064	1	19.851	n-Butylbenzene ; (H) 12dcb
23.045	77908	BV	0.049	1	9.619	(H) 124-Triclbenzene
23.313	69673	VV	0.053	1	10.551	(H) Hexaclbutadiene
23.459	65453	VV	0.050	1	9.708	Naphthalene
23.852	57999	VB	0.049	1	10.023	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121305\005R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 5
Sample Name	: lcs4121305a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 11:41 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 12:06 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

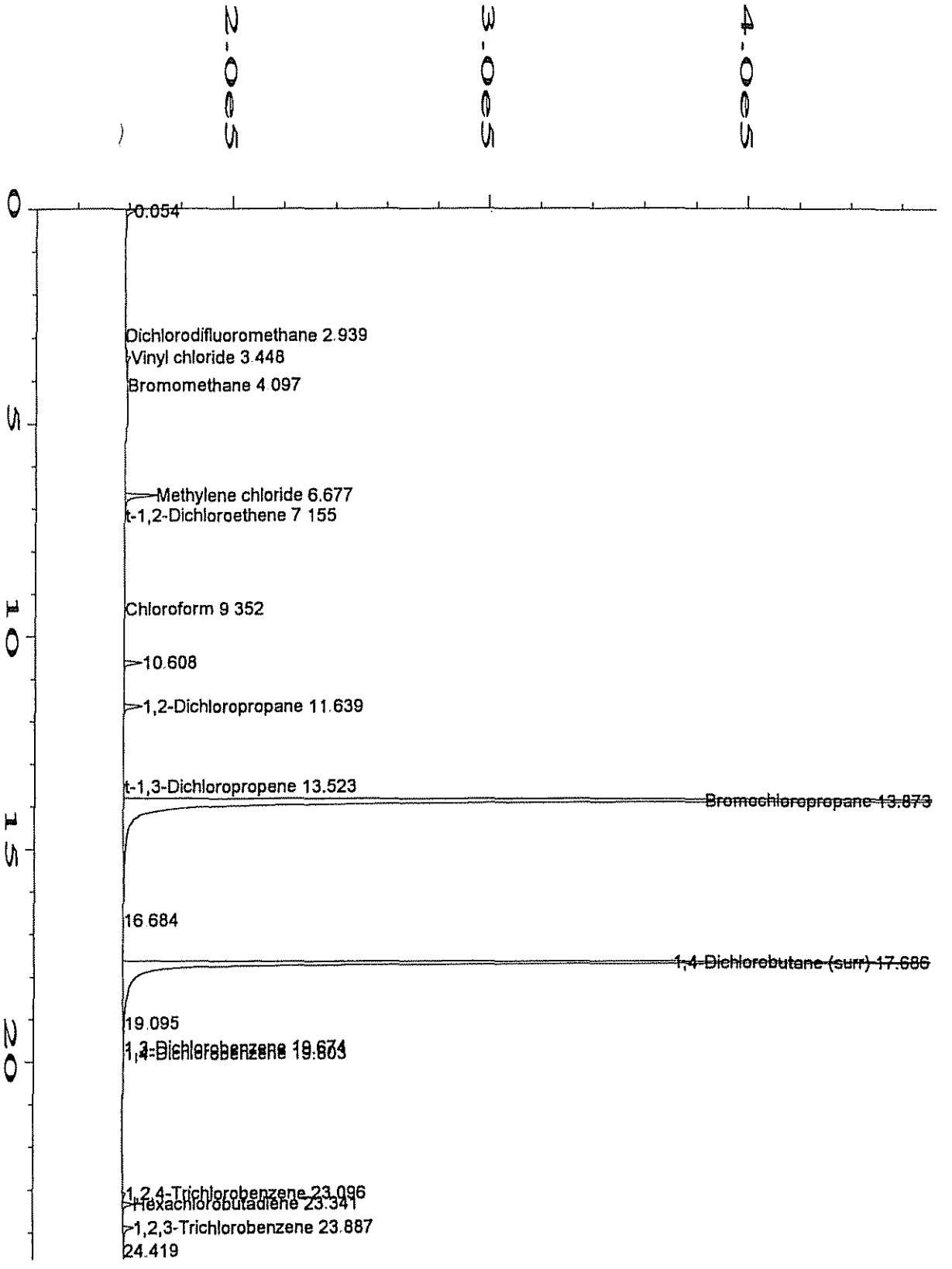
Data File Name : C:\HPCHEM\1\DATA\121305\008F0101.D
Operator : MJC
Instrument : GC3
Sample Name : vblk4121305a
Run Time Bar Code:
Acquired on : 13 Dec 05 01:12 PM
Report Created on: 13 Dec 05 01:37 PM
Last Recalib on : 13 DEC 05 09:11 AM
Multiplier : 1

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\121305\008F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.939	955	BB	0.076	1	-0.515	Dichlorodifluoromethane
3.235	* not found *			1		Chloromethane
3.448	14561	BB	0.106	1	-0.733	Vinyl chloride
4.097	588	BB	0.057	1	-0.409	Bromomethane
4.291	* not found *			1		Chloroethane
4.795	* not found *			1		Trichlorofluoromethane
5.761	* not found *			1		1,1-Dichloroethene
6.677	60939	BV	0.072	1	-0.939	Methylene chloride
7.155	945	VB	0.084	1	-0.994	t-1,2-Dichloroethene
7.858	* not found *			1		1,1-Dichloroethane
8.805	* not found *			1		c-12Diclethene ; 22Diclpropane
9.200	* not found *			1		Bromochloromethane
9.352	983	BB	0.063	1	-1.096	Chloroform
9.583	* not found *			1		1,1,1-Trichloroethane
9.837	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.233	* not found *			1		1,2-Dichloroethane
11.182	* not found *			1		Trichloroethene
11.639	35207	BB	0.071	1	-1.251	1,2-Dichloropropane
11.750	* not found *			1		Dibromomethane
12.002	* not found *			1		Bromodichloromethane
12.737	* not found *			1		c-1,3-Dichloropropene
13.523	1916	BB	0.073	1	-0.0770	t-1,3-Dichloropropene
13.873	2776985	BB	0.074	1-I	40.000	Bromochloropropane
14.041	* not found *			1		1,1,2-Trichloroethane
14.238	* not found *			1		Tetraclethene ; 13Diclpropane
14.727	* not found *			1		Dibromochloromethane
14.927	* not found *			1		1,2-Dibromoethane (EDB)
15.764	* not found *			1		Chlorobenzene
15.910	* not found *			1		1,1,1,2-Tetrachloroethane
17.209	* not found *			1		Bromoform
17.686	1756928	PV	0.067	1	97.153	1,4-Dichlorobutane (surr)
18.024	* not found *			1		Brbenzene;123triclprop;1122tet
18.332	* not found *			1		2-Chlorotoluene
18.523	* not found *			1		4-Chlorotoluene
19.674	1156	BV	0.092	1	-0.623	1,3-Dichlorobenzene
19.803	2299	VB	0.136	1	-1.070	1,4-Dichlorobenzene
20.390	* not found *			1		1,2-Dichlorobenzene
21.724	* not found *			1		1,2-Dibromo-3-chloropropane
23.096	3663	PV	0.053	1	0.127	1,2,4-Trichlorobenzene
23.341	21782	VV	0.073	1	-0.423	Hexachlorobutadiene
23.887	24006	PV	0.085	1	0.368	1,2,3-Trichlorobenzene

:alibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121305\008F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 8
Sample Name	: vblk4121305a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 01:12 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 01:37 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

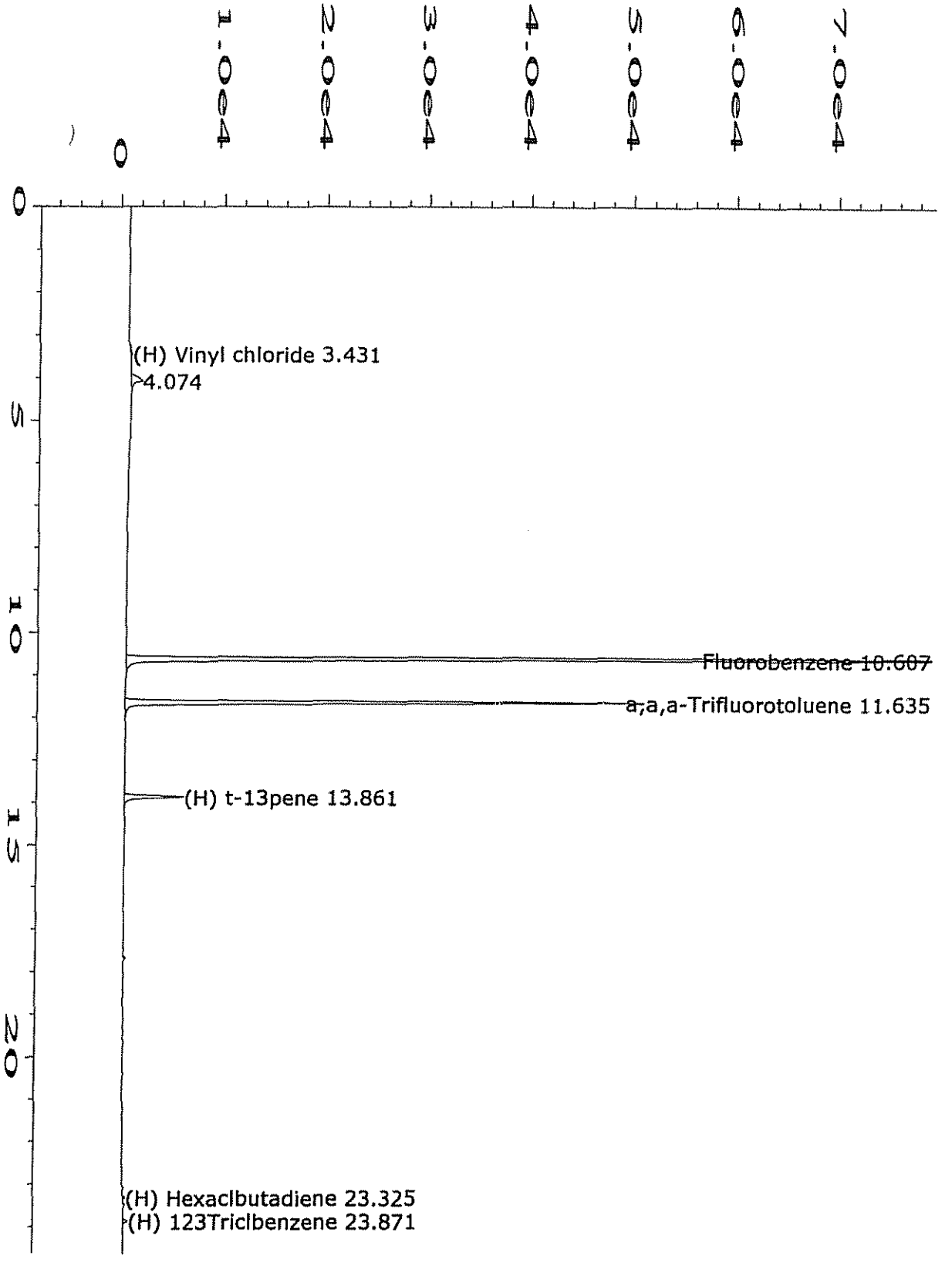
Data File Name	: C:\HPCHEM\1\DATA\121305\008R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 8
Sample Name	: vblk4121305a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 01:12 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 01:37 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\121305\008R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.431	1493	BB	0.109	1	-0.166	(H) Vinyl chloride
5.745	* not found *			1		(H) 1,1-Dichloroethene
7.119	* not found *			1		MTBE ; (H) t-12DCE
7.962	* not found *			1		DIPE
8.804	* not found *			1		(H) c-12dce
9.834	* not found *			1		(H) 11-Diclpropene
10.169	* not found *			1		Benzene
10.607	380596	BB	0.057	1-I	40.000	Fluorobenzene
11.174	* not found *			1		(H) Trichloroethene
11.635	204504	BB	0.062	1	99.642	a,a,a-Trifluorotoluene
12.729	* not found *			1		(H) c-13pene
13.285	* not found *			1		Toluene
13.861	25294	BB	0.066	1	4.164	(H) t-13pene
14.233	* not found *			1		(H) Tetrachloroethene
15.755	* not found *			1		(H) Chlorobenzene
15.940	* not found *			1		Ethylbenzene
16.145	* not found *			1		m-Xylene ; p-Xylene
16.853	* not found *			1		o-Xylene ; Styrene
17.467	* not found *			1		Isopropylbenzene
17.994	* not found *			1		(H) Bromobenzene
18.177	* not found *			1		n-Propylbenzene
18.325	* not found *			1		(H) 2Cltoluene
18.498	* not found *			1		135-Trimethylbenzene;4-cltolu
19.034	* not found *			1		tert-Butylbenzene
19.120	* not found *			1		124-Trimethylbenzene
19.407	* not found *			1		sec-Butylbenzene
19.597	* not found *			1		(H) 13dcb
19.750	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.368	* not found *			1		n-Butylbenzene ; (H) 12dcb
23.056	* not found *			1		(H) 124-Triclbenzene
23.325	868	BB	0.053	1	0.219	(H) Hexaclbutadiene
23.469	* not found *			1		Naphthalene
23.871	1751	BB	0.054	1	1.061	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



ata File Name	: C:\HPCHEM\1\DATA\121305\008R0101.D		
perator	: MJC	Page Number	: 1
nstrument	: GC3	Vial Number	: 8
ample Name	: vblk4121305a	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 13 Dec 05 01:12 PM	Instrument Method:	8021_HAL.MTH
eport Created on:	13 Dec 05 01:37 PM	Analysis Method	: 8021_pid.MTH
ast Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\121305\024F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 24
Sample Name	: G145-1123-2A x40 ms	Injection Number	: 1
Run Time Bar Code	: 187788	Sequence Line	: 1
Acquired on	: 13 Dec 05 09:23 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:47 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 1 in C:\HPCHEM\1\DATA\121305\024F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.906	1491997	BV	0.046	1	10.296	Dichlorodifluoromethane
3.231	1813182	VV	0.062	1	10.288	Chloromethane
3.438	1654552	VV	0.062	1	10.856	Vinyl chloride
4.081	460888	VV	0.062	1	9.207	Bromomethane
4.302	1749623	VV	0.074	1	11.138	Chloroethane
4.806	2156668	VV	0.110	1	10.107	Trichlorofluoromethane
5.773	3131996	VV	0.090	1	11.272	1,1-Dichloroethene
6.682	3145704	VV	0.071	1	10.785	Methylene chloride
7.135	3063804	VV	0.063	1	10.962	t-1,2-Dichloroethene
7.867	3170282	VV	0.084	1	10.707	1,1-Dichloroethane
8.814	4960675	VV	0.078	1	21.675	c-12Diclethene ; 22Diclpropane
9.211	1489683	VV	0.068	1	10.582	Bromochloromethane
9.338	3897419	VV	0.068	1	11.278	Chloroform
9.591	3500220	VV	0.075	1	11.026	1,1,1-Trichloroethane
9.847	5642386	VV	0.073	1	22.484	Carbon Tetracl ; 11Diclpropene
10.241	2161944	VV	0.062	1	10.774	1,2-Dichloroethane
11.190	3293338	VV	0.060	1	11.062	Trichloroethene
11.563	2619052	VV	0.066	1	10.795	1,2-Dichloropropane
11.759	991169	VV	0.064	1	10.355	Dibromomethane
12.009	2325843	VV	0.073	1	10.388	Bromodichloromethane
12.744	1940499	VV	0.068	1	10.186	c-1,3-Dichloropropene
13.724	1182496	VV	0.058	1	9.538	t-1,3-Dichloropropene
13.879	2864315	VV	0.070	1-I	40.000	Bromochloropropane
14.049	2034425	VV	0.066	1	10.496	1,1,2-Trichloroethane
14.247	3470691	VV	0.063	1	13.450	Tetraclethene ; 13Diclpropane
14.736	1223983	VV	0.068	1	10.301	Dibromochloromethane
14.937	962454	VV	0.088	1	9.772	1,2-Dibromoethane (EDB)
15.773	1245487	VV	0.055	1	10.432	Chlorobenzene
15.919	3310026	VV	0.067	1	11.932	1,1,1,2-Tetrachloroethane
17.218	621099	VV	0.072	1	9.831	Bromoform
17.696	1827045	VV	0.061	1	97.950	1,4-Dichlorobutane (surr)
18.033	1648990	VV	0.063	1	18.608	Brbenzene;123triclprop;1122tet
18.340	1240864	VV	0.055	1	10.779	2-Chlorotoluene
18.531	1289265	VV	0.064	1	10.555	4-Chlorotoluene
19.615	1551203	VV	0.053	1	10.365	1,3-Dichlorobenzene
19.769	1779051	VV	0.056	1	10.502	1,4-Dichlorobenzene
20.399	1393981	VV	0.058	1	10.062	1,2-Dichlorobenzene
21.737	167863	VV	0.082	1	9.248	1,2-Dibromo-3-chloropropane
23.077	843858	PV	0.054	1	8.632	1,2,4-Trichlorobenzene
23.345	1582889	VV	0.063	1	10.279	Hexachlorobutadiene
23.885	537065	VBA	0.058	1	7.145	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0

Internal Standard Report

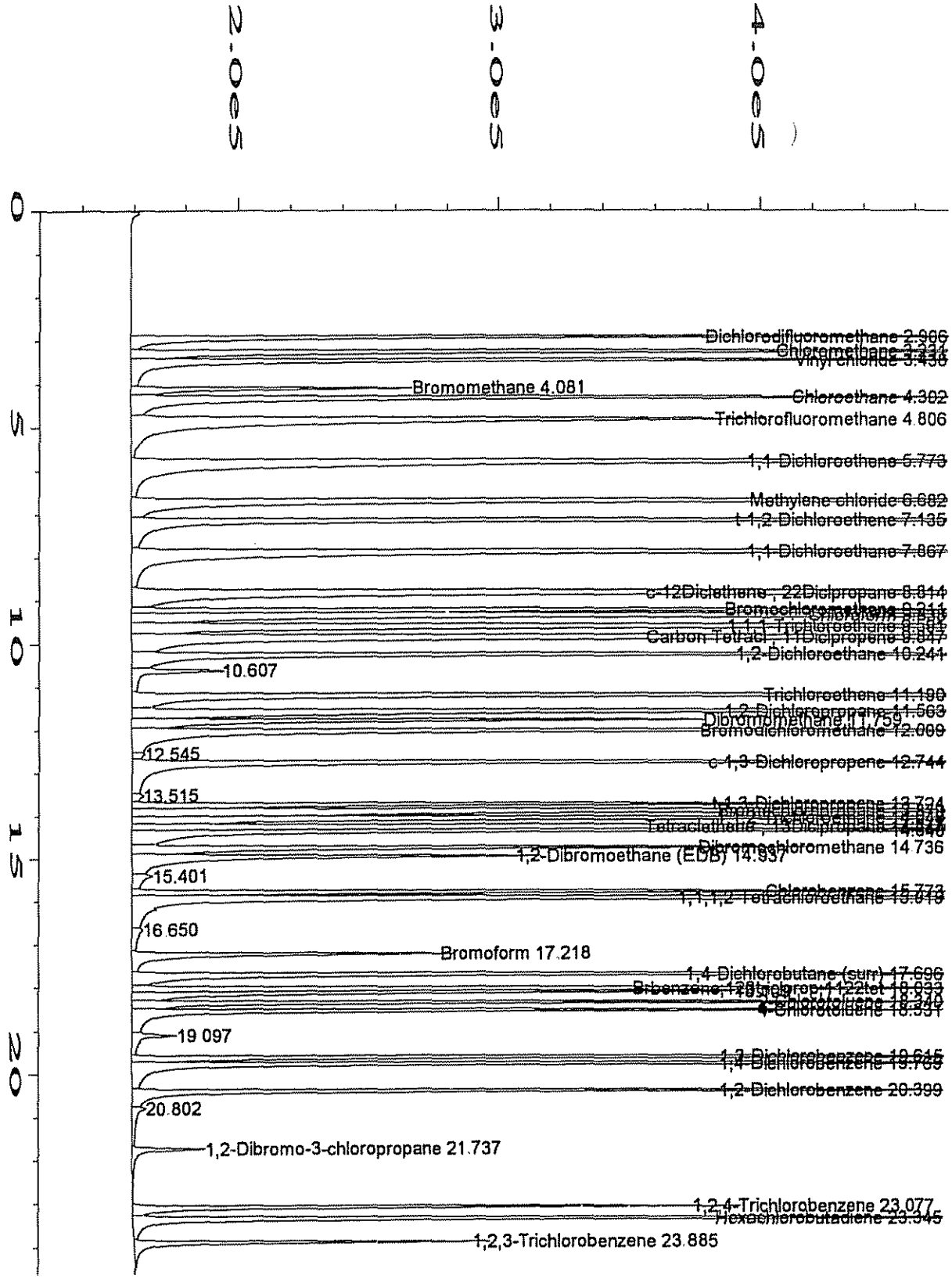
Data File Name : C:\HPCHEM\1\DATA\121305\024F0101.D
Operator : MJC
Instrument : GC3
Sample Name : 187788 x40 ms
Run Time Bar Code:
Acquired on : 13 Dec 05 09:23 PM
Report Created on: 13 Dec 05 09:47 PM
Last Recalib on : 13 DEC 05 09:11 AM
Multiplier : 1

Page Number : 1
Vial Number : 24
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\121305\024F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.906	1491997	BV	0.046	1	10.296	Dichlorodifluoromethane
3.231	1813182	VV	0.062	1	10.288	Chloromethane
3.438	1654552	VV	0.062	1	10.856	Vinyl chloride
4.081	460888	VV	0.062	1	9.207	Bromomethane
4.302	1749623	VV	0.074	1	11.138	Chloroethane
4.806	2156668	VV	0.110	1	10.107	Trichlorofluoromethane
5.773	3131996	VV	0.090	1	11.272	1,1-Dichloroethene
6.682	3145704	VV	0.071	1	10.785	Methylene chloride
7.135	3063804	VV	0.063	1	10.962	t-1,2-Dichloroethene
7.867	3170282	VV	0.084	1	10.707	1,1-Dichloroethane
8.814	4960675	VV	0.078	1	21.675	c-12Diclethene ; 22Diclpropane
9.211	1489683	VV	0.068	1	10.582	Bromochloromethane
9.338	3897419	VV	0.068	1	11.278	Chloroform
9.591	3500220	VV	0.075	1	11.026	1,1,1-Trichloroethane
9.847	5642386	VV	0.073	1	22.484	Carbon Tetracl ; 11Diclpropene
10.241	2161944	VV	0.062	1	10.774	1,2-Dichloroethane
11.190	3293338	VV	0.060	1	11.062	Trichloroethene
11.563	2619052	VV	0.066	1	10.795	1,2-Dichloropropane
11.759	991169	VV	0.064	1	10.355	Dibromomethane
12.009	2325843	VV	0.073	1	10.388	Bromodichloromethane
12.744	1940499	VV	0.068	1	10.186	c-1,3-Dichloropropene
13.724	1182496	VV	0.058	1	9.538	t-1,3-Dichloropropene
13.879	2864315	VV	0.070	1-I	40.000	Bromochloropropane
14.049	2034425	VV	0.066	1	10.496	1,1,2-Trichloroethane
14.247	3470691	VV	0.063	1	13.450	Tetraclethene ; 13Diclpropane
14.736	1223983	VV	0.068	1	10.301	Dibromochloromethane
14.937	962454	VV	0.088	1	9.772	1,2-Dibromoethane (EDB)
15.773	1245487	VV	0.055	1	10.432	Chlorobenzene
15.919	3310026	VV	0.067	1	11.932	1,1,1,2-Tetrachloroethane
17.218	621099	VV	0.072	1	9.831	Bromoform
17.696	1827045	VV	0.061	1	97.950	1,4-Dichlorobutane (surr)
18.033	1648990	VV	0.063	1	18.608	Brbenzene;123triclprop;1122tet
18.340	1240864	VV	0.055	1	10.779	2-Chlorotoluene
18.531	1289265	VV	0.064	1	10.555	4-Chlorotoluene
19.615	1551203	VV	0.053	1	10.365	1,3-Dichlorobenzene
19.769	1779051	VV	0.056	1	10.502	1,4-Dichlorobenzene
20.399	1393981	VV	0.058	1	10.062	1,2-Dichlorobenzene
21.737	167863	VV	0.082	1	9.248	1,2-Dibromo-3-chloropropane
23.077	843858	PV	0.054	1	8.632	1,2,4-Trichlorobenzene
23.345	1582889	VV	0.063	1	10.279	Hexachlorobutadiene
23.885	537065	VBA	0.058	1	7.145	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121305\024F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 24
Sample Name	: 187788 x40 ms	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 09:23 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:47 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\121305\024R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 24
Sample Name	: G145-1123-2A x40 ms	Injection Number	: 1
Run Time Bar Code	: 187788	Sequence Line	: 1
Acquired on	: 13 Dec 05 09:23 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:47 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\121305\024R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.427	56313	BB	0.046	1	10.074	(H) Vinyl chloride
5.761	143853	BV	0.086	1	10.593	(H) 1,1-Dichloroethene
7.126	390989	BB	0.059	1	20.377	MTBE ; (H) t-12DCE
7.963	143939	BB	0.080	1	9.902	DIPE
8.809	158715	BV	0.060	1	10.454	(H) c-12dce
9.841	146009	PV	0.059	1	10.405	(H) 11-Diclpropene
10.176	344730	VV	0.058	1	10.429	Benzene
10.616	393263	VB	0.058	1-I	40.000	Fluorobenzene
11.181	195670	BV	0.056	1	10.208	(H) Trichloroethene
11.642	207527	VV	0.063	1	97.858	a,a,a-Trifluorotoluene
12.735	57115	BB	0.057	1	9.266	(H) c-13pene
13.290	316712	BV	0.060	1	10.340	Toluene
13.714	57032	VV	0.056	1	8.844	(H) t-13pene
14.238	147221	VB	0.060	1	10.107	(H) Tetrachloroethene
15.763	301533	BV	0.054	1	9.996	(H) Chlorobenzene
15.946	435840	VV	0.055	1	16.753	Ethylbenzene
16.147	2082631	VV	0.055	1	70.858	m-Xylene ; p-Xylene
16.858	514740	VV	0.072	1	20.264	o-Xylene ; Styrene
17.474	385352	PV	0.055	1	19.583	Isopropylbenzene
18.003	262623	BV	0.051	1	10.010	(H) Bromobenzene
18.183	454744	VV	0.051	1	20.507	n-Propylbenzene
18.334	805152	VV	0.051	1	32.951	(H) 2Cltoluene
18.493	876402	VV	0.066	1	30.473	135-Trimethylbenzene;4-cltolu
19.040	162300	VV	0.049	1	9.537	tert-Butylbenzene
19.127	1508873	VV	0.051	1	61.485	124-Trimethylbenzene
19.414	178944	VV	0.054	1	10.481	sec-Butylbenzene
19.606	237888	VV	0.048	1	9.837	(H) 13dcb
19.758	222120	VV	0.047	1	18.741	p-Isopropyltoluene ; (H) 14dcb
20.375	320237	VV	0.067	1	20.050	n-Butylbenzene ; (H) 12dcb
23.067	65256	BV	0.049	1	8.287	(H) 124-Triclbenzene
23.335	62176	VV	0.052	1	9.623	(H) Hexaclbutadiene
23.481	45178	VB	0.049	1	7.056	Naphthalene
23.874	37068	BB	0.049	1	6.808	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0

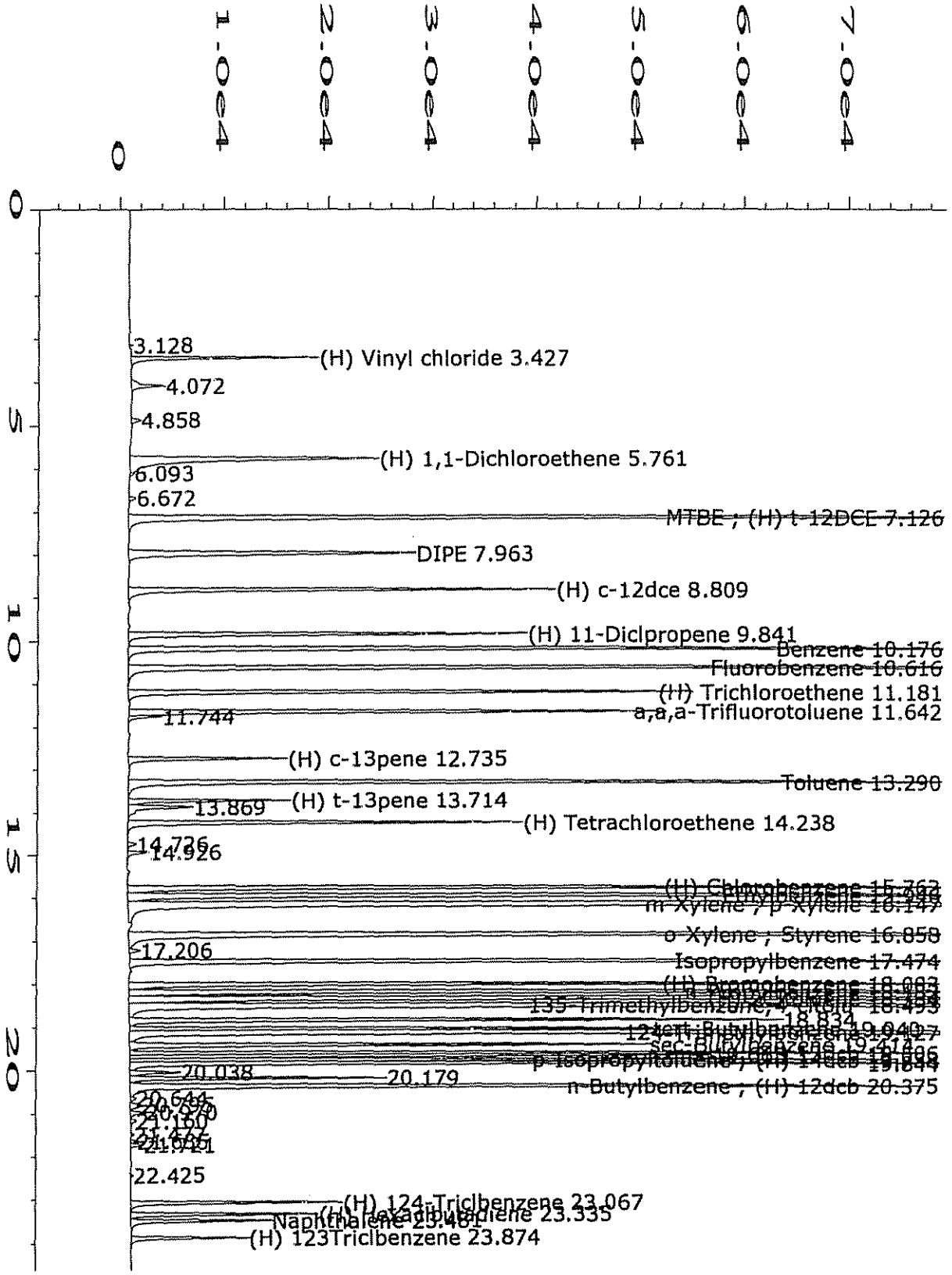
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\121305\024R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 24
Sample Name	: 187788 x40 ms	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 09:23 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 09:47 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\121305\024R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.427	56313	BB	0.046	1	10.074	(H) Vinyl chloride
5.761	143853	BV	0.086	1	10.593	(H) 1,1-Dichloroethene
7.126	390989	BB	0.059	1	20.377	MTBE ; (H) t-12DCE
7.963	143939	BB	0.080	1	9.902	DIPE
8.809	158715	BV	0.060	1	10.454	(H) c-12dce
9.841	146009	PV	0.059	1	10.405	(H) 11-Diclpropene
10.176	344730	VV	0.058	1	10.429	Benzene
10.616	393263	VB	0.058	1-I	40.000	Fluorobenzene
11.181	195670	BV	0.056	1	10.208	(H) Trichloroethene
11.642	207527	VV	0.063	1	97.858	a,a,a-Trifluorotoluene
12.735	57115	BB	0.057	1	9.266	(H) c-13pene
13.290	316712	BV	0.060	1	10.340	Toluene
13.714	57032	VV	0.056	1	8.844	(H) t-13pene
14.238	147221	VB	0.060	1	10.107	(H) Tetrachloroethene
15.763	301533	BV	0.054	1	9.996	(H) Chlorobenzene
15.946	435840	VV	0.055	1	16.753	Ethylbenzene
16.147	2082631	VV	0.055	1	70.858	m-Xylene ; p-Xylene
16.858	514740	VV	0.072	1	20.264	o-Xylene ; Styrene
17.474	385352	PV	0.055	1	19.583	Isopropylbenzene
18.003	262623	BV	0.051	1	10.010	(H) Bromobenzene
18.183	454744	VV	0.051	1	20.507	n-Propylbenzene
18.334	805152	VV	0.051	1	32.951	(H) 2Cltoluene
18.493	876402	VV	0.066	1	30.473	135-Trimethylbenzene;4-cltolu
19.040	162300	VV	0.049	1	9.537	tert-Butylbenzene
19.127	1508873	VV	0.051	1	61.485	124-Trimethylbenzene
19.414	178944	VV	0.054	1	10.481	sec-Butylbenzene
19.606	237888	VV	0.048	1	9.837	(H) 13dcb
19.758	222120	VV	0.047	1	18.741	p-Isopropyltoluene ; (H) 14dcb
20.375	320237	VV	0.067	1	20.050	n-Butylbenzene ; (H) 12dcb
23.067	65256	BV	0.049	1	8.287	(H) 124-Triclbenzene
23.335	62176	VV	0.052	1	9.623	(H) Hexaclbutadiene
23.481	45178	VB	0.049	1	7.056	Naphthalene
23.874	37068	BB	0.049	1	6.808	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121305\024R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 24
Sample Name	: 187788 x40 ms	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 09:23 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 13 Dec 05 09:47 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\121305\025F0101.D
Operator : MJC
Instrument : GC3
Sample Name : G145-1123-2A x40 msd
Run Time Bar Code: 187788
Acquired on : 13 Dec 05 09:53 PM
Report Created on: 13 Dec 05 10:18 PM
Last Recalib on : 13 DEC 05 09:11 AM
Multiplier : 1

Page Number : 1
Vial Number : 25
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\121305\025F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.923	1552346	BV	0.045	1	11.275	Dichlorodifluoromethane
3.247	1869155	VV	0.058	1	11.155	Chloromethane
3.457	1704570	VV	0.056	1	11.789	Vinyl chloride
4.094	444638	VV	0.061	1	9.314	Bromomethane
4.317	1745118	VV	0.077	1	11.673	Chloroethane
4.819	2235619	VV	0.109	1	11.037	Trichlorofluoromethane
5.785	3080317	VV	0.093	1	11.638	1,1-Dichloroethene
6.692	3236176	VV	0.070	1	11.721	Methylene chloride
7.144	3142250	VV	0.064	1	11.858	t-1,2-Dichloroethene
7.877	3245267	VV	0.077	1	11.550	1,1-Dichloroethane
8.822	4593012	VV	0.073	1	20.968	c-12Diclethene ; 22Diclpropane
9.219	1438017	VV	0.063	1	10.714	Bromochloromethane
9.346	3603764	VV	0.070	1	10.896	Chloroform
9.599	3234060	VV	0.078	1	10.646	1,1,1-Trichloroethane
9.853	5157269	VV	0.072	1	21.446	Carbon Tetracl ; 11Diclpropene
10.249	2043654	VV	0.064	1	10.665	1,2-Dichloroethane
11.197	3125398	VV	0.061	1	10.999	Trichloroethene
11.570	2512574	VV	0.069	1	10.862	1,2-Dichloropropane
11.765	957514	VV	0.065	1	10.487	Dibromomethane
12.015	2220577	VV	0.075	1	10.395	Bromodichloromethane
12.751	1796596	VV	0.067	1	9.864	c-1,3-Dichloropropene
13.730	1076190	VV	0.059	1	9.094	t-1,3-Dichloropropene
13.885	2732847	VV	0.074	1-I	40.000	Bromochloropropane
14.053	1973025	VV	0.070	1	10.701	1,1,2-Trichloroethane
14.251	3220318	VV	0.065	1	13.009	Tetraclethene ; 13Diclpropane
14.739	1178327	VV	0.067	1	10.400	Dibromochloromethane
14.940	929839	VV	0.085	1	9.907	1,2-Dibromoethane (EDB)
15.775	1219891	VV	0.059	1	10.726	Chlorobenzene
15.918	3022198	VV	0.069	1	11.360	1,1,1,2-Tetrachloroethane
17.219	596746	VV	0.069	1	9.900	Bromoform
17.695	1802715	VV	0.059	1	101.295	1,4-Dichlorobutane (surr)
18.033	1624054	VV	0.069	1	19.297	Brbenzene;123triclprop;1122tet
18.340	1192207	VV	0.057	1	10.861	2-Chlorotoluene
18.530	1245904	VV	0.058	1	10.705	4-Chlorotoluene
19.613	1535016	VV	0.052	1	10.774	1,3-Dichlorobenzene
19.765	1756250	VV	0.061	1	10.904	1,4-Dichlorobenzene
20.397	1410147	VV	0.056	1	10.715	1,2-Dichlorobenzene
21.734	174382	VV	0.076	1	10.047	1,2-Dibromo-3-chloropropane
23.076	974087	PV	0.053	1	10.425	1,2,4-Trichlorobenzene
23.343	1606266	VV	0.059	1	10.969	Hexachlorobutadiene
23.883	782509	VBA	0.060	1	10.889	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0

Internal Standard Report

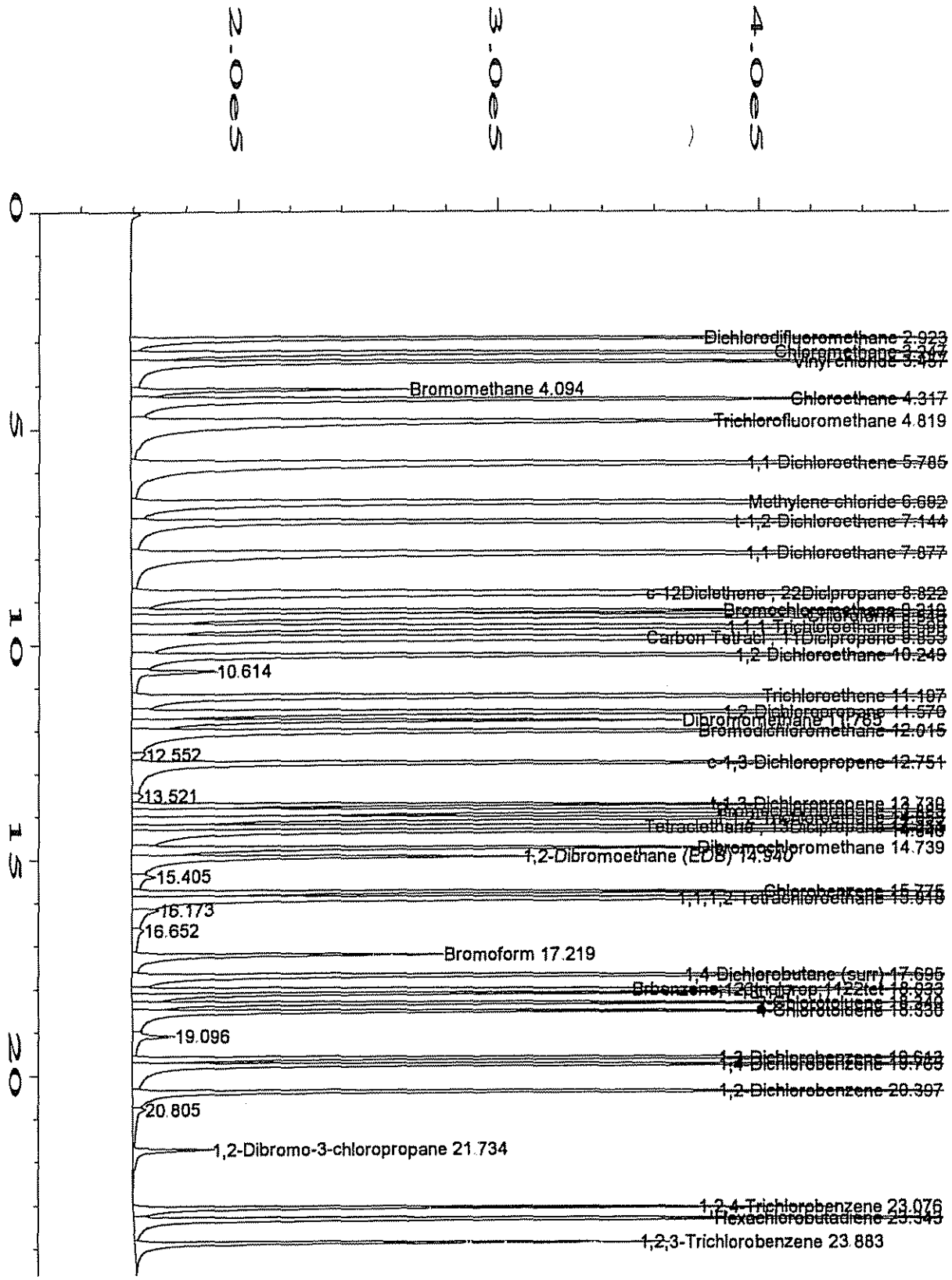
Data File Name : C:\HPCHEM\1\DATA\121305\025F0101.D
Operator : MJC
Instrument : GC3
Sample Name : 187788 x40 msd
Run Time Bar Code:
Acquired on : 13 Dec 05 09:53 PM
Report Created on: 13 Dec 05 10:18 PM
Last Recalib on : 13 DEC 05 09:11 AM
Multiplier : 1

Page Number : 1
Vial Number : 25
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\121305\025F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.923	1552346	BV	0.045	1	11.275	Dichlorodifluoromethane
3.247	1869155	VV	0.058	1	11.155	Chloromethane
3.457	1704570	VV	0.056	1	11.789	Vinyl chloride
4.094	444638	VV	0.061	1	9.314	Bromomethane
4.317	1745118	VV	0.077	1	11.673	Chloroethane
4.819	2235619	VV	0.109	1	11.037	Trichlorofluoromethane
5.785	3080317	VV	0.093	1	11.638	1,1-Dichloroethene
6.692	3236176	VV	0.070	1	11.721	Methylene chloride
7.144	3142250	VV	0.064	1	11.858	t-1,2-Dichloroethene
7.877	3245267	VV	0.077	1	11.550	1,1-Dichloroethane
8.822	4593012	VV	0.073	1	20.968	c-12Diclethene ; 22Diclpropane
9.219	1438017	VV	0.063	1	10.714	Bromochloromethane
9.346	3603764	VV	0.070	1	10.896	Chloroform
9.599	3234060	VV	0.078	1	10.646	1,1,1-Trichloroethane
9.853	5157269	VV	0.072	1	21.446	Carbon Tetracl ; 11Diclpropene
10.249	2043654	VV	0.064	1	10.665	1,2-Dichloroethane
11.197	3125398	VV	0.061	1	10.999	Trichloroethene
11.570	2512574	VV	0.069	1	10.862	1,2-Dichloropropane
11.765	957514	VV	0.065	1	10.487	Dibromomethane
12.015	2220577	VV	0.075	1	10.395	Bromodichloromethane
12.751	1796596	VV	0.067	1	9.864	c-1,3-Dichloropropene
13.730	1076190	VV	0.059	1	9.094	t-1,3-Dichloropropene
13.885	2732847	VV	0.074	1-I	40.000	Bromochloropropane
14.053	1973025	VV	0.070	1	10.701	1,1,2-Trichloroethane
14.251	3220318	VV	0.065	1	13.009	Tetraclethene ; 13Diclpropane
14.739	1178327	VV	0.067	1	10.400	Dibromochloromethane
14.940	929839	VV	0.085	1	9.907	1,2-Dibromoethane (EDB)
15.775	1219891	VV	0.059	1	10.726	Chlorobenzene
15.918	3022198	VV	0.069	1	11.360	1,1,1,2-Tetrachloroethane
17.219	596746	VV	0.069	1	9.900	Bromoform
17.695	1802715	VV	0.059	1	101.295	1,4-Dichlorobutane (surr)
18.033	1624054	VV	0.069	1	19.297	Brbenzene;123triclprop;1122tet
18.340	1192207	VV	0.057	1	10.861	2-Chlorotoluene
18.530	1245904	VV	0.058	1	10.705	4-Chlorotoluene
19.613	1535016	VV	0.052	1	10.774	1,3-Dichlorobenzene
19.765	1756250	VV	0.061	1	10.904	1,4-Dichlorobenzene
20.397	1410147	VV	0.056	1	10.715	1,2-Dichlorobenzene
21.734	174382	VV	0.076	1	10.047	1,2-Dibromo-3-chloropropane
23.076	974087	PV	0.053	1	10.425	1,2,4-Trichlorobenzene
23.343	1606266	VV	0.059	1	10.969	Hexachlorobutadiene
23.883	782509	VBA	0.060	1	10.889	1,2,3-Trichlorobenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121305\025F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 25
Sample Name	: 187788 x40 msd	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 09:53 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 10:18 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 13 DEC 05 09:11 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\121305\025R0101.D
Operator : MJC
Instrument : GC3
Sample Name : G145-1123-2A x40 msd
Run Time Bar Code: 187788
Acquired on : 13 Dec 05 09:53 PM
Report Created on: 13 Dec 05 10:18 PM
Last Recalib on : 13 DEC 05 08:35 AM
Multiplier : 1

Page Number : 1
Vial Number : 25
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\121305\025R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.446	57432	BB	0.045	1	10.279	(H) Vinyl chloride
5.774	144576	BV	0.087	1	10.644	(H) 1,1-Dichloroethene
7.136	395309	BB	0.060	1	20.601	MTBE ; (H) t-12DCE
7.972	147874	BB	0.081	1	10.175	DIPE
8.817	160263	BV	0.059	1	10.554	(H) c-12dce
9.849	146106	PV	0.059	1	10.408	(H) 11-Diclpropene
10.183	347535	VV	0.059	1	10.513	Benzene
10.623	393416	VB	0.058	1-I	40.000	Fluorobenzene
11.187	196877	BV	0.056	1	10.269	(H) Trichloroethene
11.648	206662	VV	0.062	1	97.413	a,a,a-Trifluorotoluene
12.741	55816	BB	0.057	1	9.050	(H) c-13pene
13.295	319033	BV	0.060	1	10.414	Toluene
13.719	54894	VV	0.056	1	8.517	(H) t-13pene
14.242	147153	VB	0.060	1	10.098	(H) Tetrachloroethene
15.764	306167	BV	0.054	1	10.150	(H) Chlorobenzene
15.947	437725	VV	0.055	1	16.821	Ethylbenzene
16.148	2094030	VV	0.055	1	71.224	m-Xylene ; p-Xylene
16.858	523784	VV	0.073	1	20.626	o-Xylene ; Styrene
17.474	387528	VV	0.056	1	19.689	Isopropylbenzene
18.002	269500	BV	0.049	1	10.277	(H) Bromobenzene
18.182	453160	VV	0.051	1	20.426	n-Propylbenzene
18.333	805629	VV	0.052	1	32.958	(H) 2Cltoluene
18.493	876903	VV	0.068	1	30.479	135-Trimethylbenzene;4-cltolu
19.039	162235	VV	0.049	1	9.529	tert-Butylbenzene
19.126	1505962	VV	0.050	1	61.342	124-Trimethylbenzene
19.412	177415	VV	0.054	1	10.385	sec-Butylbenzene
19.604	244255	VV	0.047	1	10.100	(H) 13dcb
19.757	227073	VV	0.046	1	19.170	p-Isopropyltoluene ; (H) 14dcb
20.374	323559	VV	0.066	1	20.253	n-Butylbenzene ; (H) 12dcb
23.065	78022	BV	0.048	1	9.825	(H) 124-Triclbenzene
23.333	65584	VV	0.052	1	10.142	(H) Hexaclbutadiene
23.479	67388	VV	0.049	1	10.167	Naphthalene
23.873	57661	VB	0.049	1	10.161	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0

Internal Standard Report

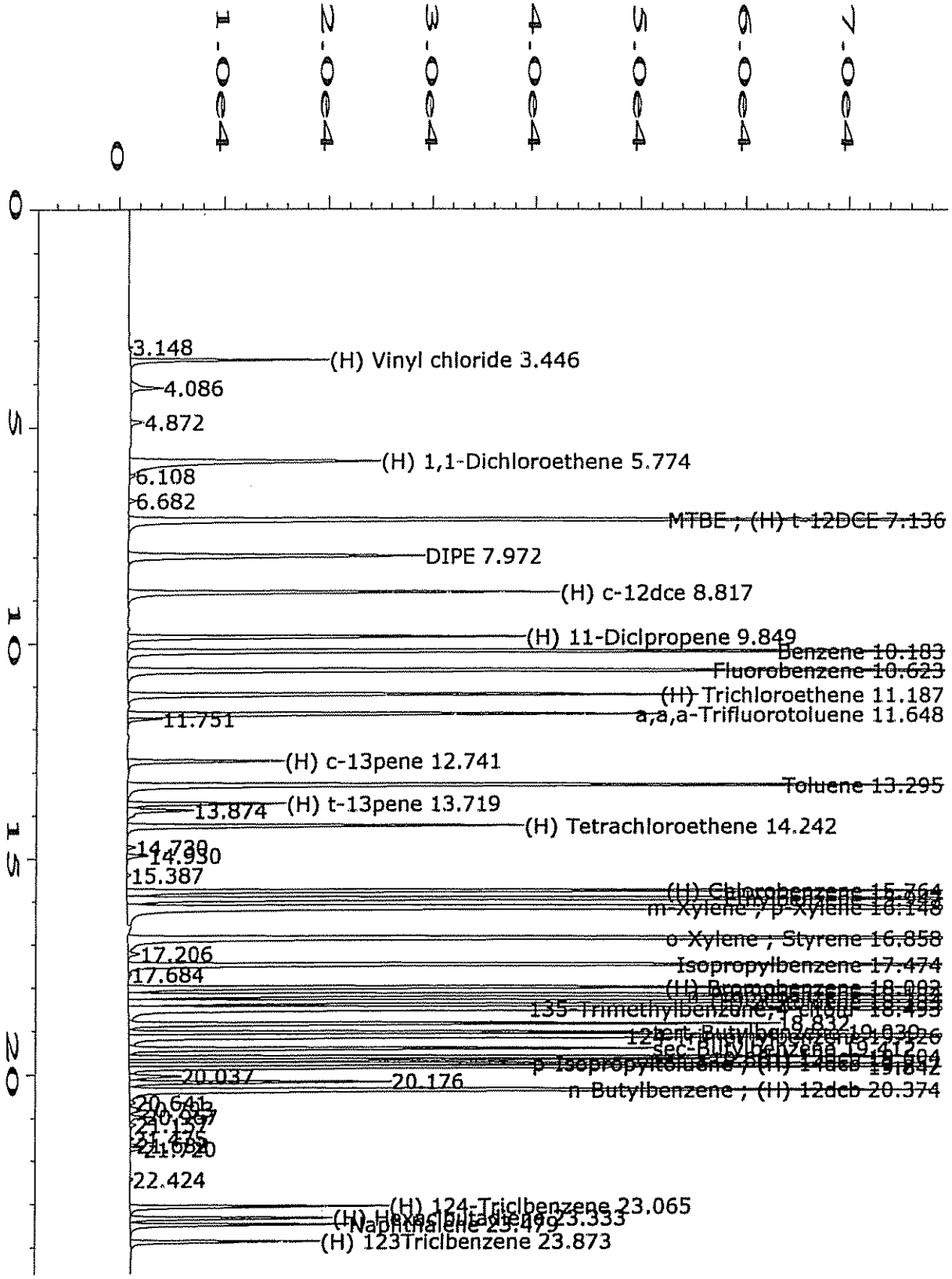
Data File Name : C:\HPCHEM\1\DATA\121305\025R0101.D
Operator : MJC
Instrument : GC3
Sample Name : 187788 x40 msd
Run Time Bar Code:
Acquired on : 13 Dec 05 09:53 PM
Report Created on: 13 Dec 05 10:18 PM
Last Recalib on : 13 DEC 05 08:35 AM
Multiplier : 1

Page Number : 1
Vial Number : 25
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\121305\025R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.446	57432	BB	0.045	1	10.279	(H) Vinyl chloride
5.774	144576	BV	0.087	1	10.644	(H) 1,1-Dichloroethene
7.136	395309	BB	0.060	1	20.601	MTBE ; (H) t-12DCE
7.972	147874	BB	0.081	1	10.175	DIPE
8.817	160263	BV	0.059	1	10.554	(H) c-12dce
9.849	146106	PV	0.059	1	10.408	(H) 11-Diclpropene
10.183	347535	VV	0.059	1	10.513	Benzene
10.623	393416	VB	0.058	1-I	40.000	Fluorobenzene
11.187	196877	BV	0.056	1	10.269	(H) Trichloroethene
11.648	206662	VV	0.062	1	97.413	a,a,a-Trifluorotoluene
12.741	55816	BB	0.057	1	9.050	(H) c-13pene
13.295	319033	BV	0.060	1	10.414	Toluene
13.719	54894	VV	0.056	1	8.517	(H) t-13pene
14.242	147153	VB	0.060	1	10.098	(H) Tetrachloroethene
15.764	306167	BV	0.054	1	10.150	(H) Chlorobenzene
15.947	437725	VV	0.055	1	16.821	Ethylbenzene
16.148	2094030	VV	0.055	1	71.224	m-Xylene ; p-Xylene
16.858	523784	VV	0.073	1	20.626	o-Xylene ; Styrene
17.474	387528	VV	0.056	1	19.689	Isopropylbenzene
18.002	269500	BV	0.049	1	10.277	(H) Bromobenzene
18.182	453160	VV	0.051	1	20.426	n-Propylbenzene
18.333	805629	VV	0.052	1	32.958	(H) 2Cltoluene
18.493	876903	VV	0.068	1	30.479	135-Trimethylbenzene;4-cltolu
19.039	162235	VV	0.049	1	9.529	tert-Butylbenzene
19.126	1505962	VV	0.050	1	61.342	124-Trimethylbenzene
19.412	177415	VV	0.054	1	10.385	sec-Butylbenzene
19.604	244255	VV	0.047	1	10.100	(H) 13dcb
19.757	227073	VV	0.046	1	19.170	p-Isopropyltoluene ; (H) 14dcb
20.374	323559	VV	0.066	1	20.253	n-Butylbenzene ; (H) 12dcb
23.065	78022	BV	0.048	1	9.825	(H) 124-Triclbenzene
23.333	65584	VV	0.052	1	10.142	(H) Hexaclbutadiene
23.479	67388	VV	0.049	1	10.167	Naphthalene
23.873	57661	VB	0.049	1	10.161	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\121305\025R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 25
Sample Name	: 187788 x40 msd	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 13 Dec 05 09:53 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	13 Dec 05 10:18 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 13 DEC 05 08:35 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

601/602 Prep, Standard, Run Logs

8021S/WBQ-7-112405-C94
8021S/SGQ-7-120605-C94

Paradigm Analytical
GC3

8021S/WBC-7-112405-C93
8021S/SGC-7-120605-C93

Method: 8021/5030/5035 601/602/6230D/8021
Matrix: Soil Water

Initial Cal. Curve: water 12/12/05
(5035S 06/28/05) - (5030 10/14/04)
Batch: 121305

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	HALL	PID
001F0101.D	b	12/13/05 9:40				MJC		
002F0101.D	2ppbchk	12/13/05 10:10				MJC		
003F0101.D	qchk010	12/13/05 10:40				MJC		
004F0101.D	qchk010	12/13/05 11:11				MJC		
005F0101.D	lcs4121305a	12/13/05 11:41				MJC		
006F0101.D	b	12/13/05 12:12				MJC		
007F0101.D	b	12/13/05 12:42				MJC		
008F0101.D	vblk4121305a	12/13/05 13:12				MJC		
009F0101.D	g130-90-2a	12/13/05 13:43				MJC		
010F0101.D	g161-2262-6a	12/13/05 14:14				MJC		
011F0101.D	g128-1651-6a	12/13/05 14:45				MJC		
012F0101.D	g145-1123-11a	12/13/05 15:15				MJC		
013F0101.D	g130-90-1a	12/13/05 15:46				MJC		
014F0101.D	g161-2262-1a	12/13/05 16:17				MJC		
015F0101.D	g161-2262-2a	12/13/05 16:48				MJC		
016F0101.D	g161-2262-2b dup	12/13/05 17:18				MJC		
017F0101.D	g161-2262-3a	12/13/05 17:49				MJC		
018F0101.D	g161-2262-4a	12/13/05 18:19				MJC		
019F0101.D	g161-2262-5a	12/13/05 18:50				MJC		
020F0101.D	g128-1651-1a	12/13/05 19:21				MJC		

Analyst:_____

See Top for Standard Lot Numbers

Page Number: _____
VO10.112202.1

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

8021S/WBQ-7-112405-C94
8021S/SGQ-7-120605-C94

Paradigm Analytical
GC3

8021S/WBC-7-112405-C93
8021S/SGC-7-120605-C93

Method: 8021/5030/5035 601/602/6230D/8021
Matrix: Soil Water

Initial Cal. Curve: water 12/12/05
(5035S 06/28/05) - (5030 10/14/04)
Batch: 121305

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	HALL	PID
021F0101.D	g128-1651-2a	12/13/05 19:51				MJC		
022F0101.D	g128-1651-3a	12/13/05 20:21				MJC		
023F0101.D	g145-1123-2a x40	12/13/05 20:52				MJC		
024F0101.D	G145-1123-2A x40 ms	12/13/05 21:23	cid= 187788			MJC		
025F0101.D	G145-1123-2A x40 msd	12/13/05 21:53	cid= 187788			MJC		
026F0101.D	qchk010	12/13/05 22:24				MJC		
027F0101.D	qchk010	12/13/05 22:54				MJC		
028F0101.D	lcs3121305b	12/13/05 23:24				MJC		
029F0101.D	b	12/13/05 23:55				MJC		
030F0101.D	b	12/14/05 0:25				MJC		
031F0101.D	vblk3121305b	12/14/05 0:55				MJC		
032F0101.D	g161-2264-3a	12/14/05 1:26				MJC		
033F0101.D	g442-388-4a	12/14/05 1:56				MJC		
034F0101.D	g128-1651-4a	12/14/05 2:27				MJC		
035F0101.D	g128-1651-5a	12/14/05 2:57				MJC		
036F0101.D	g128-1651-5b dup	12/14/05 3:28				MJC		
037F0101.D	g161-2264-1a	12/14/05 3:58				MJC		
038F0101.D	g161-2264-2a	12/14/05 4:28				MJC		
039F0101.D	g442-388-1a	12/14/05 4:59				MJC		
040F0101.D	g442-388-2a	12/14/05 5:29				MJC		

Analyst:_____

See Top for Standard Lot Numbers

Page Number: _____
VO10.112202.1

N C CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

8021S/WBQ-7-112405-C94
8021S/SGQ-7-120605-C94

Paradigm Analytical
GC3

8021S/WBC-7-112405-C93
8021S/SGC-7-120605-C93

Method: 8021/5030/5035 601/602/6230D/8021
Matrix: Soil Water

Initial Cal. Curve: water 12/12/05
(5035S 06/28/05) - (5030 10/14/04)
Batch: 121305

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	HALL	PID
041F0101.D	g442-388-3a	12/14/05 6:00				MJC		
042F0101.D	g128-1652-7a	12/14/05 6:30				MJC		
043F0101.D	g145-1123-1a	12/14/05 7:01				MJC		
044F0101.D	g145-1123-3a x50	12/14/05 7:31				MJC		
045F0101.D	G145-1123-3A x50 ms	12/14/05 8:02	cid= 187791			MJC		
046F0101.D	G145-1123-3A x50 msd	12/14/05 8:32	cid= 187791			MJC		
047F0101.D	b	12/14/05 9:03				MJC		

Analyst:_____

See Top for Standard Lot Numbers

Page Number: _____
VO10.112202.1

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

PARADIGM ANALYTICAL LABORATORIES, INC.

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- 29	Restek 502.2 MEGA mix lot A035666	2000	100	10	20
	7B- 184	MTBE/DIPE stock 7- 112405	2000	100	10	20
Soil BASE Mix:	7A- 29	Restek 502.2 MEGA mix lot A035666	2000	25	10	5
	7B- 184	MTBE/DIPE stock 7- 112405	2000	25	10	5
	Solvent:	Methanol LOT# C0010				

Ampule opened: 11-24-05
Prep date: 6
Expiration date: 12-24-05

PAL lot number:
8021WBC-7- 112405
8021SBC-7-

	Refering Page	Description	Initial conc. (ppm)	Ammt. used(ul)	Final Vol. (ml)	Final Conc. (ppm)
Water GAS Mix:	7A- 39	Restek gases A038872	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# C0010				

Ampule opened: 11-21-05
Prep date: 11-22-05
Expiration date: 11-29-05

PAL lot number:
8021WGC-7- 112205
8021SGC-7-

	Refering Page	Description	Initial conc. (ppm)	Ammt. used(ul)	Final Vol. (ml)	Final Conc. (ppm)
Water GAS Mix:	7A- 39	Restek gases A038872	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# C0010				

Ampule opened: 11-28-05
Prep date: 11-29-05
Expiration date: 12-6-05

PAL lot number:
8021WGC-7- 112905
8021SGC-7-

	Refering Page	Description	Initial conc. (ppm)	Ammt. used(ul)	Final Vol. (ml)	Final Conc. (ppm)
Water GAS Mix:	7A- 43	Restek gases A039163	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# CP114				

Ampule opened: 12/6/05
Prep date:
Expiration date: 12/13/05

PAL lot number:
8021WGC-7- 120605
8021SGC-7-

	Refering Page	Description	Initial conc. (ppm)	Ammt. used(ul)	Final Vol. (ml)	Final Conc. (ppm)
Water GAS Mix:	7A- 43	Restek gases A039163	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# CP114				

Ampule opened: 12/14/05
Prep date:
Expiration date: 12/21/05

PAL lot number:
8021WGC-7- 121405
8021SGC-7-

See reverse for any comments

N.C. CERTIFICATION #401

Volatiles Standard Notebook # 007

GC Water and Soil

QC

	Refering Page	Description	Initial conc. (ppm)	Ammt. Used (ul)	Final Vol. (ml)	Final Conc. (ppm)
Water BASE Mix:	7A- 30	Restek 502.2 MEGA mix lot A035667	2000	100	10	20
	7B- 185	MTBE/DIPE stock 7- 112405	2000	100	10	20
Soil BASE Mix:	7A- 30	Restek 502.2 MEGA mix lot A035667	2000	25	10	5
	7B- 185	MTBE/DIPE stock 7- 112405	2000	25	10	5
	Solvent:	Methanol LOT# C0010				

Ampule opened: 11-29-05
Prep date: ↓
Expiration date: 12-29-05

PAL lot number:
8021WBQ-7-
8021SBQ-7- 112405

	Refering Page	Description	Initial conc. (ppm)	Ammt. Used (ul)	Final Vol. (ml)	Final Conc. (ppm)
Water GAS Mix:	7A- 40	Restek gases A038871	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# C0010				

Ampule opened: 11-21-05
Prep date: 11-22-05
Expiration date: 11-29-05

PAL lot number:
8021WGQ-7-
8021SGQ-7- 112205

	Refering Page	Description	Initial conc. (ppm)	Ammt. Used (ul)	Final Vol. (ml)	Final Conc. (ppm)
Water GAS Mix:	7A- 40	Restek gases A038871	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# C0010				

Ampule opened: 11-28-05
Prep date: 11-29-05
Expiration date: 12-6-05

PAL lot number:
8021WGQ-7-
8021SGQ-7- 112905

	Refering Page	Description	Initial conc. (ppm)	Ammt. Used (ul)	Final Vol. (ml)	Final Conc. (ppm)
Water GAS Mix:	7A- 44	Restek gases A039162	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# CP114				

Ampule opened: 12-6-05
Prep date: ↓
Expiration date: 12/13/05

PAL lot number:
8021WGQ-7-
8021SGQ-7- 120605

	Refering Page	Description	Initial conc. (ppm)	Ammt. Used (ul)	Final Vol. (ml)	Final Conc. (ppm)
Water GAS Mix:	7A- 44	Restek gases A039162	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# CP114				

Ampule opened: 12/14/05
Prep date: ↓
Expiration date: 12/21/05

PAL lot number:
8021WGQ-7-
8021SGQ-7- 121405

See reverse for any comments

page: C94

PARADIGM ANALYTICAL LABORATORIES, INC

N.C. CERTIFICATION #481

625-BN Sample Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212632.D Vial: 22
Acq On : 13 Dec 2005 4:54 am Operator: MRC
Sample : G161-2262-1L x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 9:04 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MMC 12-13-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.23	152	169486	4.00	ug/mL	0.00
18) Naphthalene-D8	9.16	136	698741	4.00	ug/mL	-0.01
33) Acenaphthene-d10	11.95	164	360836	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.34	188	533391	4.00	ug/mL	-0.01
85) Chrysene-D12	18.59	240	389982	4.00	ug/mL	-0.02
93) Perylene-D12	20.97	264	169738	4.00	ug/mL	-0.02
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.44	112	440539	7.85	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	78.50%	
17) Phenol-d6 (surr)	6.72	99	669555	7.84	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	78.40%	
32) Nitrobenzene-d5 (surr)	8.06	128	236885	7.85	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	78.50%	
53) 2-Fluorobiphenyl (surr)	10.89	172	939895	8.04	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	80.40%	
54) 2,4,6-Tribromophenol (surr	13.22	330	82800	8.27	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	82.70%	
92) 4-Terphenyl-d14 (surr)	16.95	244	930069	8.84	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	88.40%	

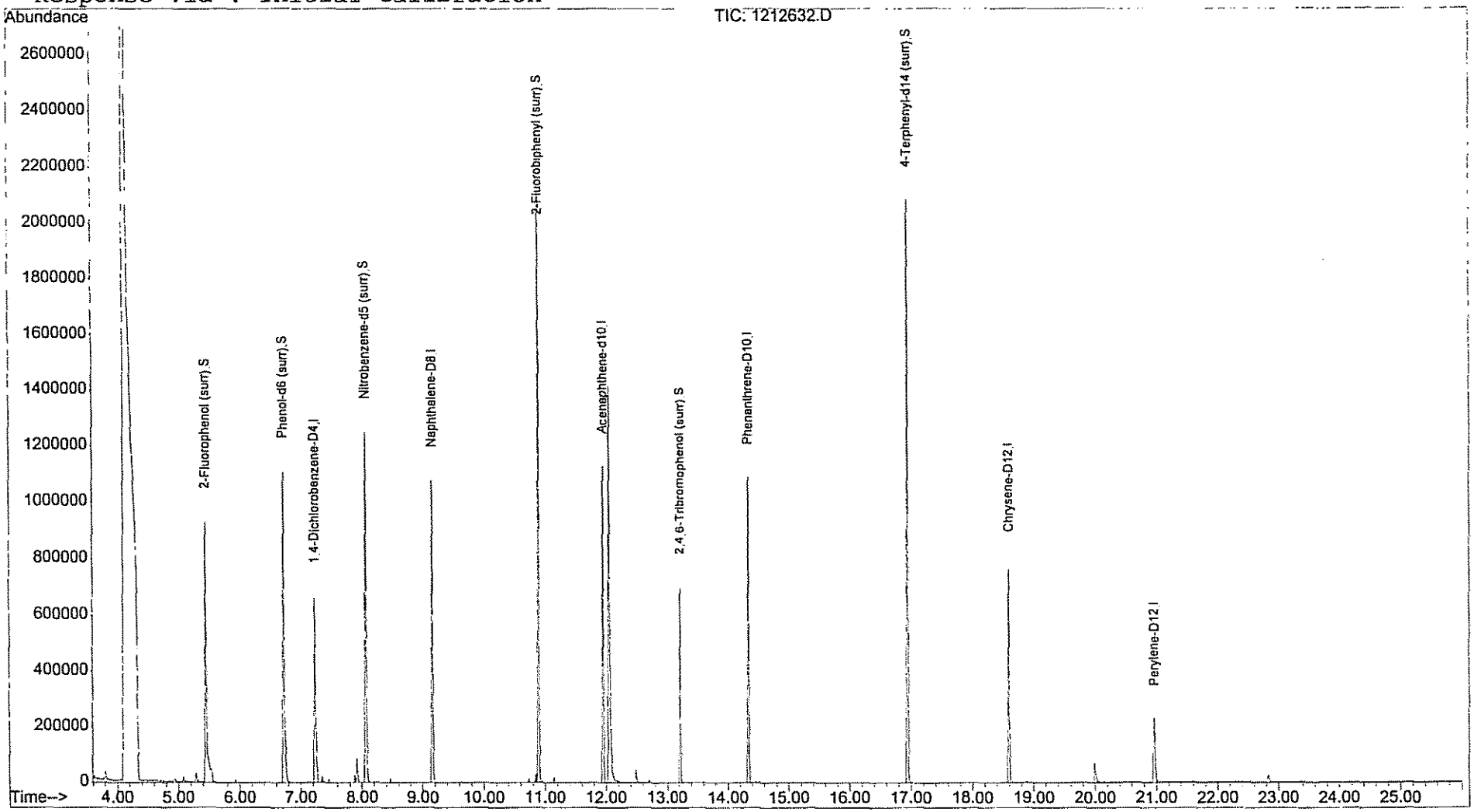
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212632.D Vial: 22
Acq On : 13 Dec 2005 4:54 am Operator: MRC
Sample : G161-2262-1L x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 9:04 2005 Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration



PARADIGM ANALYTICAL LABORATORIES, INC

N.C CERTIFICATION #481

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6121205\1212632.D Vial: 22
Acq On : 13 Dec 2005 4:54 am Operator: MRC
Sample : G161-2262-1L x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6121205\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.
4.13	173.83 ug/mL	45077300	1,4-Dichlorobenzene-D4	7.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	91
2	Toluene	92	C7H8	000108-88-3	91
3	Toluene	92	C7H8	000108-88-3	91
4	Toluene	92	C7H8	000108-88-3	91
5	Toluene	92	C7H8	000108-88-3	91

****

Peak Number 2 2-Hexen-4-yne, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	0.42 ug/mL	109887	1,4-Dichlorobenzene-D4	7.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexen-4-yne, (E)-	80	C6H8	033625-96-6	5
2	2-Hexen-4-yne, (Z)-	80	C6H8	030626-48-3	5
3	1-Penten-3-yne, 2-methyl-	80	C6H8	000926-55-6	5
4	1,3,5-Hexatriene, (E)-	80	C6H8	000821-07-8	5
5	1-Penten-3-yne, 2-methyl-	80	C6H8	000926-55-6	4

****

Peak Number 3 Spiro[3.3]heptane-2,6-dione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	5.90 ug/mL	2185160	Acenaphthene-d10	11.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[3.3]heptane-2,6-dione	124	C7H8O2	020061-23-8	35
2	Bicyclo[4.1.0]heptan-2-one	110	C7H10O	005771-58-4	32
3	Diazene, dicyclohexyl-, 1,2-dioxide	226	C12H22N2O2	003378-45-8	25
4	Cyclohexene, 4-ethenyl-	108	C8H12	000100-40-3	23
5	Valeric acid, 2-cyano-4-methyl-, et	169	C9H15NO2	007352-02-5	23

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6121205\1212632.D Vial: 22
Acq On : 13 Dec 2005 4:54 am Operator: MRC
Sample : G161-2262-1L x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 9-Octadecenamide, (Z)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	1.21 ug/mL	126015	Perylene-D12	20.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	38
2	2-Propanone, 1-cyclopentyl-	126	C8H14O	001122-98-1	9
3	3-Methyl-2-(2-methyl-2-butenyl)-fur	150	C10H14O	015186-51-3	9
4	Cyclopentylsilane	100	C5H12Si	080249-74-7	9
5	3-Octanol	130	C8H18O	000589-98-0	9

****

Peak Number 5 Isoxazolo[4,3-a]phenazine, 1-p Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.83	0.50 ug/mL	52167	Perylene-D12	20.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoxazolo[4,3-a]phenazine, 1-phenyl	297	C19H11N3O	021589-25-3	5
2	4H-1,2,4-Triazole, 3,4,5-triphenyl-	297	C20H15N3	004073-72-7	5
3	Estra-1,3,5(10),6-tetraen-17-one, 3	297	C19H23NO2	069833-89-2	5
4	14-Oxo-14H-naphtho(1',2':5,6)pyrano	297	C20H11NO2	059050-29-2	5
5	Spiro[2,5-cyclohexadiene-1,7'(1'H)-	297	C18H19NO3	010214-76-3	5

Tentatively Identified Compound (LSC) summary

Operator ID: MRC Date Acquired: 13 Dec 2005 4:54 am
Data File: C:\HPCHEM\1\DATA\6121205\1212632.D
Name: G161-2262-1L x1
Misc: 625 - BN - TICS - CLP [3520-4148]
Method: C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title: 5 POINT INITIAL CALIBRATION FOR 8270
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Toluene	4.13	173.8	ug/mL	45077300	ISTD01	7.23	1037290	4.0
2-Hexen-4-yne, (E)-	7.93	0.4	ug/mL	109887	ISTD01	7.23	1037290	4.0
Spiro[3.3]heptane-2,	12.05	5.9	ug/mL	2185160	ISTD03	11.95	1481870	4.0
9-Octadecenamide, (Z	20.00	1.2	ug/mL	126015	ISTD06	20.97	418255	4.0
Isoxazolo[4,3-a]phen	22.83	0.5	ug/mL	52167	ISTD06	20.97	418255	4.0

1212632.D 8270.M Tue Dec 13 09:12:15 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212633.D Vial: 23
Acq On : 13 Dec 2005 5:29 am Operator: MRC
Sample : G161-2262-2L x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 9:05 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MC 12-13-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.23	152	160327	4.00	ug/mL	0.00
18) Naphthalene-D8	9.16	136	645436	4.00	ug/mL	-0.01
33) Acenaphthene-d10	11.95	164	327645	4.00	ug/mL	-0.01
55) Phenanthrene-D10	14.34	188	468346	4.00	ug/mL	-0.01
85) Chrysene-D12	18.59	240	334237	4.00	ug/mL	-0.02
93) Perylene-D12	20.97	264	146806	4.00	ug/mL	-0.01
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.44	112	370657	6.98	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	69.80%	
17) Phenol-d6 (surr)	6.72	99	559248	6.93	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	69.30%	
32) Nitrobenzene-d5 (surr)	8.06	128	196070	7.03	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	70.30%	
53) 2-Fluorobiphenyl (surr)	10.89	172	797242	7.51	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	75.10%	
54) 2,4,6-Tribromophenol (surr	13.22	330	63061	6.94	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	69.40%	
92) 4-Terphenyl-d14 (surr)	16.94	244	686918	7.62	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	76.20%	

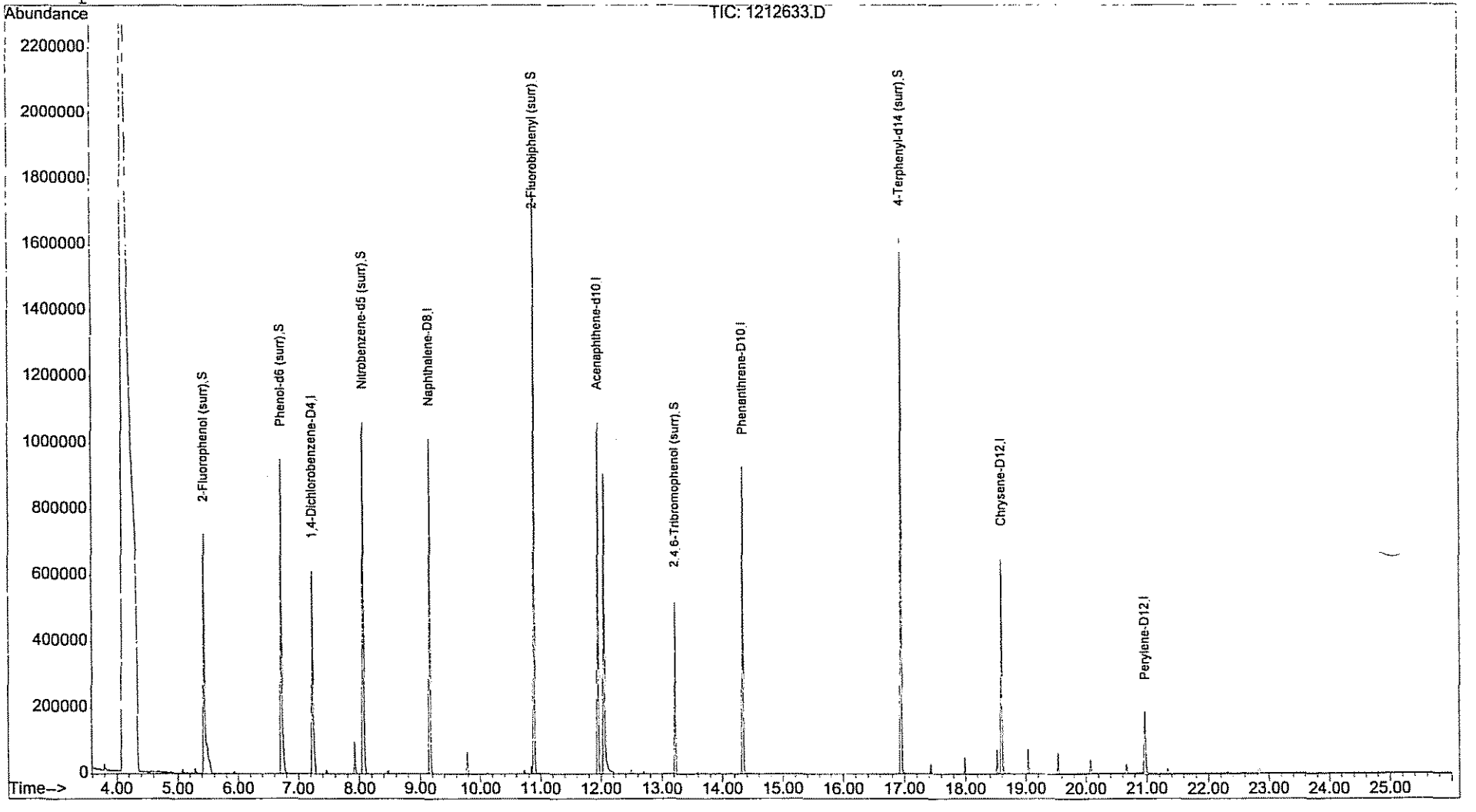
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212633.D Vial: 23
Acq On : 13 Dec 2005 5:29 am Operator: MRC
Sample : G161-2262-2L x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 9:05 2005 Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration



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

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6121205\1212633.D Vial: 23
Acq On : 13 Dec 2005 5:29 am Operator: MRC
Sample : G161-2262-2L x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6121205\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.
4.11	167.45 ug/mL	40345700	1,4-Dichlorobenzene-D4	7.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	91
2	Toluene	92	C7H8	000108-88-3	91
3	Toluene	92	C7H8	000108-88-3	91
4	Toluene	92	C7H8	000108-88-3	91
5	Toluene	92	C7H8	000108-88-3	91

****

Peak Number 2 Bi-2-cyclohexen-1-yl Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	0.52 ug/mL	125321	1,4-Dichlorobenzene-D4	7.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bi-2-cyclohexen-1-yl	162	C12H18	001541-20-4	64
2	1H-Pyrrole, 1-methyl-	81	C5H7N	000096-54-8	59
3	1H-Pyrrole, 1-methyl-	81	C5H7N	000096-54-8	59
4	1H-Pyrrole, 1-methyl-	81	C5H7N	000096-54-8	59
5	1H-Pyrrole, 1-methyl-	81	C5H7N	000096-54-8	59

****

Peak Number 3 Nonanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	0.25 ug/mL	82118	Naphthalene-D8	9.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanoic acid	158	C9H18O2	000112-05-0	83
2	Nonanoic acid	158	C9H18O2	000112-05-0	64
3	Octanoic acid, silver(1+) salt	251	C8H16AgO2	024927-67-1	50
4	Butyraldehyde, semicarbazone	129	C5H11N3O	013183-21-6	9
5	d-Mannoheptulose	210	C7H14O7	000000-00-0	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6121205\1212633.D Vial: 23
Acq On : 13 Dec 2005 5:29 am Operator: MRC
Sample : G161-2262-2L x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Bicyclo[4.1.0]heptan-2-one Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	4.00 ug/mL	1345280	Acenaphthene-d10	11.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]heptan-2-one	110	C7H10O	005771-58-4	35
2	1-Penten-3-yne	66	C5H6	000646-05-9	22
3	4-Pentenenitrile, 2y-, 1-oxide	93	C6H7N	028769-50-8	22
4	Diazene, dicyclohexyl-, 1,2-dioxide	226	C12H22N2O2	003378-45-8	16
5	1,3-Octadiene	110	C8H14	001002-33-1	16

****

Peak Number 5 2-Propen-1-amine Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	0.23 ug/mL	50316	Chrysene-D12	18.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propen-1-amine	57	C3H7N	000107-11-9	4
2	Butane, 2-bromo-2-methyl-	150	C5H11Br	000507-36-8	4
3	Octane	114	C8H18	000111-65-9	4
4	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	4
5	Azetidine, 1-methyl-	71	C4H9N	004923-79-9	3

****

Peak Number 6 Hexane, 2,2,3,3-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	0.36 ug/mL	77790	Chrysene-D12	18.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	42
2	Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	9
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	9
4	Ether, heptyl hexyl	200	C13H28O	007289-40-9	9
5	Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6121205\1212633.D Vial: 23
Acq On : 13 Dec 2005 5:29 am Operator: MRC
Sample : G161-2262-2L x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 Hexane, 2,2,3,3-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	0.38 ug/mL	81877	Chrysene-D12	18.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	36
2	Ether, heptyl hexyl	200	C13H28O	007289-40-9	25
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	9
4	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	9
5	Heptane, 4-ethyl-	128	C9H20	002216-32-2	9

****

Peak Number 8 Hexane, 3-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	0.34 ug/mL	74015	Chrysene-D12	18.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	4
2	2,4,6,8-Tetramethyl-1-undecene	210	C15H30	059920-26-2	4
3	Azetidine, 1-methyl-	71	C4H9N	004923-79-9	3
4	Pyrrolidine, 3-methyl-	85	C5H11N	034375-89-8	3
5	(Aminomethyl)cyclopropane	71	C4H9N	002516-47-4	3

****

Peak Number 9 Hexane, 2,3,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	0.79 ug/mL	69617	Perylene-D12	20.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	9
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	4
3	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	4
4	Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	4
5	Azetidine, 1-methyl-	71	C4H9N	004923-79-9	3

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6121205\1212633.D Vial: 23
Acq On : 13 Dec 2005 5:29 am Operator: MRC
Sample : G161-2262-2L x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****

Peak Number 10 Hexadecane, 7,9-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.66	0.49 ug/mL	43410	Perylene-D12	20.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	9
2	Pentadecane	212	C15H32	000629-62-9	9
3	Tridecane	184	C13H28	000629-50-5	9
4	4-Heptanone, 2-methyl-	128	C8H16O	000626-33-5	9
5	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	9

****

Peak Number 11 3-Ethyl-3-methylheptane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	0.26 ug/mL	23087	Perylene-D12	20.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	38
2	Pentadecane	212	C15H32	000629-62-9	9
3	Tridecane, 6-propyl-	226	C16H34	055045-10-8	9
4	Tridecane	184	C13H28	000629-50-5	9
5	Pentadecane	212	C15H32	000629-62-9	9

****

Peak Number 12 1,3-Dithiane, 5-phenyl-, 1,1,3 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.83	0.49 ug/mL	43183	Perylene-D12	20.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dithiane, 5-phenyl-, 1,1,3,3-te	260	C10H12O4S2	000000-00-0	5
2	Chlorthion	297	C8H9ClNO5PS	000500-28-7	4
3	Morphinan-3-ol, 6,7,8,14-tetradehyd	297	C18H19NO3	000467-04-9	3
4	Estra-1,3,5(10),7-tetraen-17-one, 3	297	C19H23NO2	069834-04-4	3
5	7-Methoxy-6-(E-2-nitropropenyl)-2,3	260	C14H16N2O3	000000-00-0	3

Tentatively Identified Compound (LSC) summary

Operator ID: MRC Date Acquired: 13 Dec 2005 5:29 am
Data File: C:\HPCHEM\1\DATA\6121205\1212633.D
Name: G161-2262-2L x1
Misc: 625 - BN - TICS - CLP [3520-4148]
Method: C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title: 5 POINT INITIAL CALIBRATION FOR 8270
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Toluene	4.11	167.5	ug/mL	40345700	ISTD01	7.23	963747	4.0
Bi-2-cyclohexen-1-yl	7.93	0.5	ug/mL	125321	ISTD01	7.23	963747	4.0
Nonanoic acid	9.79	0.2	ug/mL	82118	ISTD02	9.16	1337940	4.0
Bicyclo[4.1.0]heptan	12.05	4.0	ug/mL	1345280	ISTD03	11.95	1345730	4.0
2-Propen-1-amine	17.99	0.2	ug/mL	50316	ISTD05	18.59	869270	4.0
Hexane, 2,2,3,3-tetr	18.52	0.4	ug/mL	77790	ISTD05	18.59	869270	4.0
Hexane, 2,2,3,3-tetr	19.03	0.4	ug/mL	81877	ISTD05	18.59	869270	4.0
Hexane, 3-ethyl-2-me	19.53	0.3	ug/mL	74015	ISTD05	18.59	869270	4.0
Hexane, 2,3,4-trimet	20.07	0.8	ug/mL	69617	ISTD06	20.97	351745	4.0
Hexadecane, 7,9-dime	20.66	0.5	ug/mL	43410	ISTD06	20.97	351745	4.0
3-Ethyl-3-methylhept	21.34	0.3	ug/mL	23087	ISTD06	20.97	351745	4.0
1,3-Dithiane, 5-phen	22.83	0.5	ug/mL	43183	ISTD06	20.97	351745	4.0

1212633.D 8270.M Tue Dec 13 09:12:37 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212634.D Vial: 24
Acq On : 13 Dec 2005 6:04 am Operator: MRC
Sample : G161-2262-3N x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 9:05 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MRC 12.13.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.23	152	152515	4.00	ug/mL	0.00
18) Naphthalene-D8	9.16	136	622709	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.95	164	315376	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.34	188	448168	4.00	ug/mL	0.00
85) Chrysene-D12	18.59	240	330236	4.00	ug/mL	-0.02
93) Perylene-D12	20.97	264	157024	4.00	ug/mL	-0.01
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.44	112	377403	7.48	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	74.80%	
17) Phenol-d6 (surr)	6.72	99	572283	7.45	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	74.50%	
32) Nitrobenzene-d5 (surr)	8.06	128	206314	7.67	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	76.70%	
53) 2-Fluorobiphenyl (surr)	10.89	172	832184	8.14	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	81.40%	
54) 2,4,6-Tribromophenol (surr	13.22	330	66920	7.65	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	76.50%	
92) 4-Terphenyl-d14 (surr)	16.94	244	754252	8.47	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	84.70%	

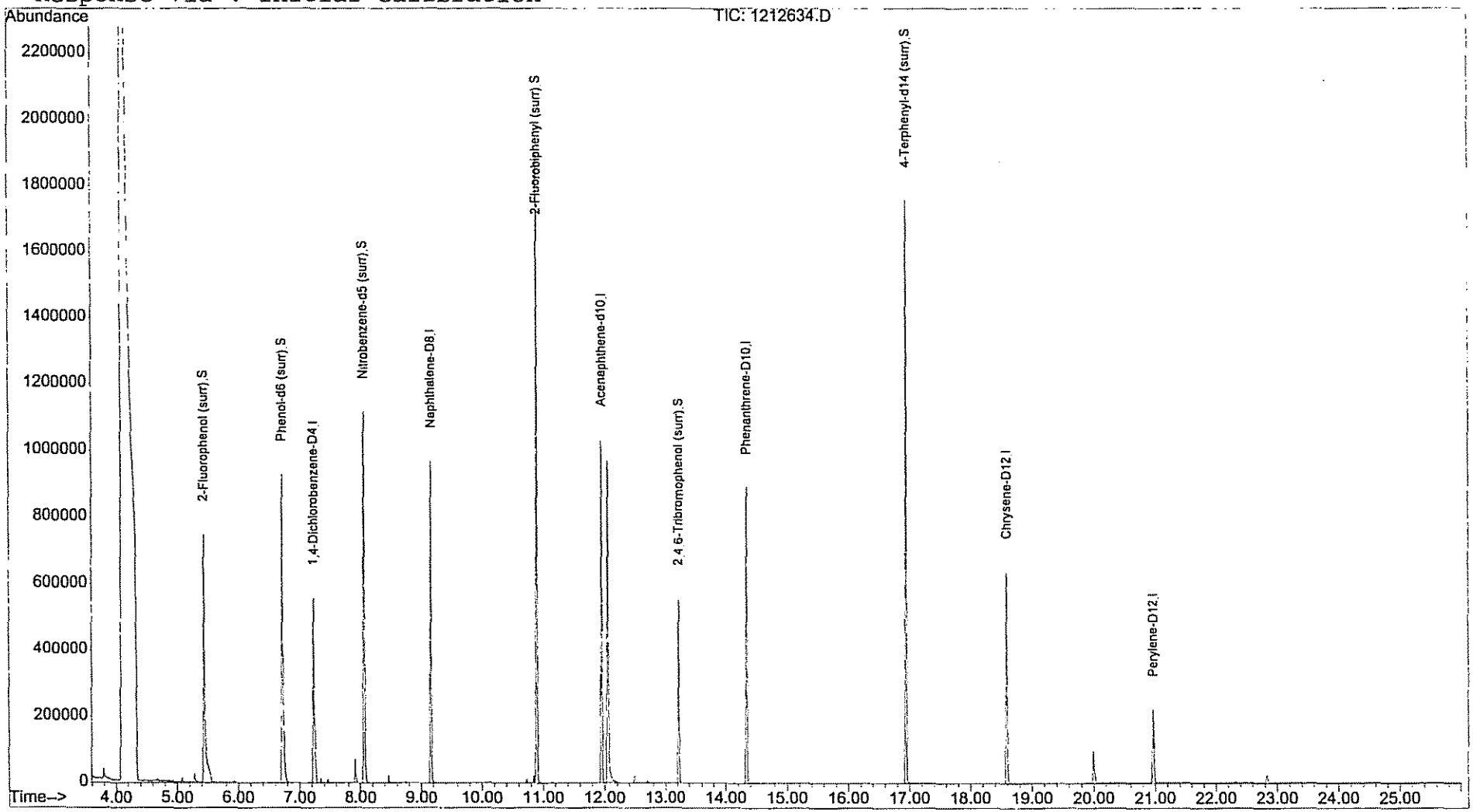
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212634.D Vial: 24
Acq On : 13 Dec 2005 6:04 am Operator: MRC
Sample : G161-2262-3N x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 9:05 2005 Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration



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

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6121205\1212634.D Vial: 24
Acq On : 13 Dec 2005 6:04 am Operator: MRC
Sample : G161-2262-3N x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6121205\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.
4.11	192.72 ug/mL	43748800	1,4-Dichlorobenzene-D4	7.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	94
2	Toluene	92	C7H8	000108-88-3	91
3	Toluene	92	C7H8	000108-88-3	91
4	Toluene	92	C7H8	000108-88-3	91
5	Toluene	92	C7H8	000108-88-3	91

****

Peak Number 2 2-Hexen-4-yne, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	0.39 ug/mL	88291	1,4-Dichlorobenzene-D4	7.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexen-4-yne, (E)-	80	C6H8	033625-96-6	4
2	2-Hexen-4-yne, (Z)-	80	C6H8	030626-48-3	4
3	1-Penten-3-yne, 2-methyl-	80	C6H8	000926-55-6	4
4	1-Penten-3-yne, 2-methyl-	80	C6H8	000926-55-6	4
5	1,3,5-Hexatriene, (E)-	80	C6H8	000821-07-8	4

****

Peak Number 3 Bicyclo[4.1.0]heptan-2-one Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	4.31 ug/mL	1409860	Acenaphthene-d10	11.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]heptan-2-one	110	C7H10O	005771-58-4	35
2	Cycloheptanone, oxime	127	C7H13NO	002158-31-8	17
3	Spiro[3.3]heptane-2,6-dione	124	C7H8O2	020061-23-8	16
4	Diazene, dicyclohexyl-, 1,2-dioxide	226	C12H22N2O2	003378-45-8	16
5	1,3-Octadiene	110	C8H14	001002-33-1	16

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6121205\1212634.D Vial: 24
Acq On : 13 Dec 2005 6:04 am Operator: MRC
Sample : G161-2262-3N x1 Inst : MSD6
Misc : 625 - BN - TICS - CLP [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****
Peak Number 4 9-Octadecenamide, (Z)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	1.71 ug/mL	168480	Perylene-D12	20.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	42
2	1,2,4-Thiadiazole, 5-chloro-	120	C2HClN2S	038362-15-1	9
3	Cyclopentylsilane	100	C5H12Si	080249-74-7	9
4	1-Butanol, 4-ethoxy-	118	C6H14O2	000111-73-9	9
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9

****
Peak Number 5 1-Naphthalenol, 1,2,3,4-tetrah Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.83	0.45 ug/mL	44372	Perylene-D12	20.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 1,2,3,4-tetrahydro-	148	C10H12O	000529-33-9	5
2	1-Naphthalenol, 1,2,3,4-tetrahydro-	148	C10H12O	000529-33-9	5
3	1,3-Dithiane, 5-phenyl-, 1,1,3,3-te	260	C10H12O4S2	000000-00-0	5
4	3-(2,7-Dimethoxy-1-naphthyl)propion	260	C15H16O4	032834-63-2	5
5	5,13:6,12-Dimethanodibenzo[a,f]cycl	260	C20H20	074985-66-3	5

Tentatively Identified Compound (LSC) summary

Operator ID: MRC Date Acquired: 13 Dec 2005 6:04 am
Data File: C:\HPCHEM\1\DATA\6121205\1212634.D
Name: G161-2262-3N x1
Misc: 625 - BN - TICS - CLP [3520-4148]
Method: C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title: 5 POINT INITIAL CALIBRATION FOR 8270
Library Searched: C:\DATABASE\NBS75K.L

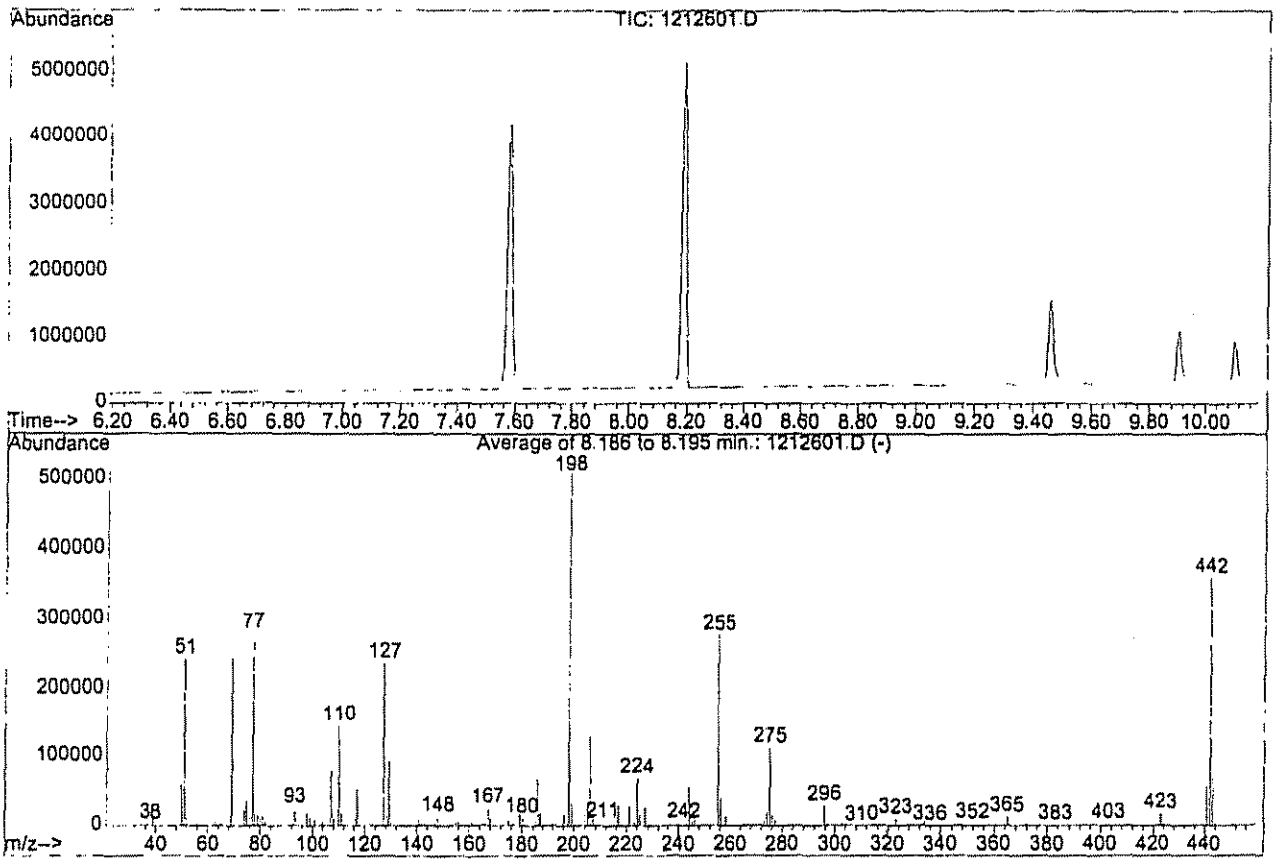
TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Toluene	4.11	192.7	ug/mL	43748800	ISTD01	7.23	908025	4.0
2-Hexen-4-yne, (E)-	7.93	0.4	ug/mL	88291	ISTD01	7.23	908025	4.0
Bicyclo[4.1.0]heptan	12.05	4.3	ug/mL	1409860	ISTD03	11.95	1308550	4.0
9-Octadecenamide, (Z	20.00	1.7	ug/mL	168480	ISTD06	20.97	393238	4.0
1-Naphthalenol, 1,2,	22.83	0.5	ug/mL	44372	ISTD06	20.97	393238	4.0

1212634.D 8270.M Tue Dec 13 09:12:56 2005 ENV

625-BN Tuning

DFTPP

Data File : C:\HPCHEM\1\DATA\6121205\1212601.D Vial: 1
Acq On : 12 Dec 2005 8:05 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : (W17-H] Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\DATA\6121205\DFTPP.M (RTE Integrator)
Title :



AutoFind: Scans 436, 437, 438; Background Corrected with Scan 423

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	47.9	243862	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	48.4	246823	PASS
70	69	0.00	2	0.0	52	PASS
127	198	40	60	46.7	237976	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	509547	PASS
199	198	5	9	6.7	34069	PASS
275	198	10	30	22.0	112232	PASS
365	198	1	100	2.4	12192	PASS
441	443	0.01	100	83.2	57691	PASS
442	198	40	100	70.4	358528	PASS
443	442	17	23	19.3	69347	PASS

1212601.D DFTPP.M Mon Dec 12 08:20:33 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212601.D Vial: 1
Acq On : 12 Dec 2005 8:05 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : (W17-H] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 12 8:45 2005 Quant Results File: DFTPP.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\DFTPP.M (RTE Integrator)
Title :
Last Update : Tue Nov 08 09:07:43 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6110805\1108601.D
DataAcq Meth : DFTPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

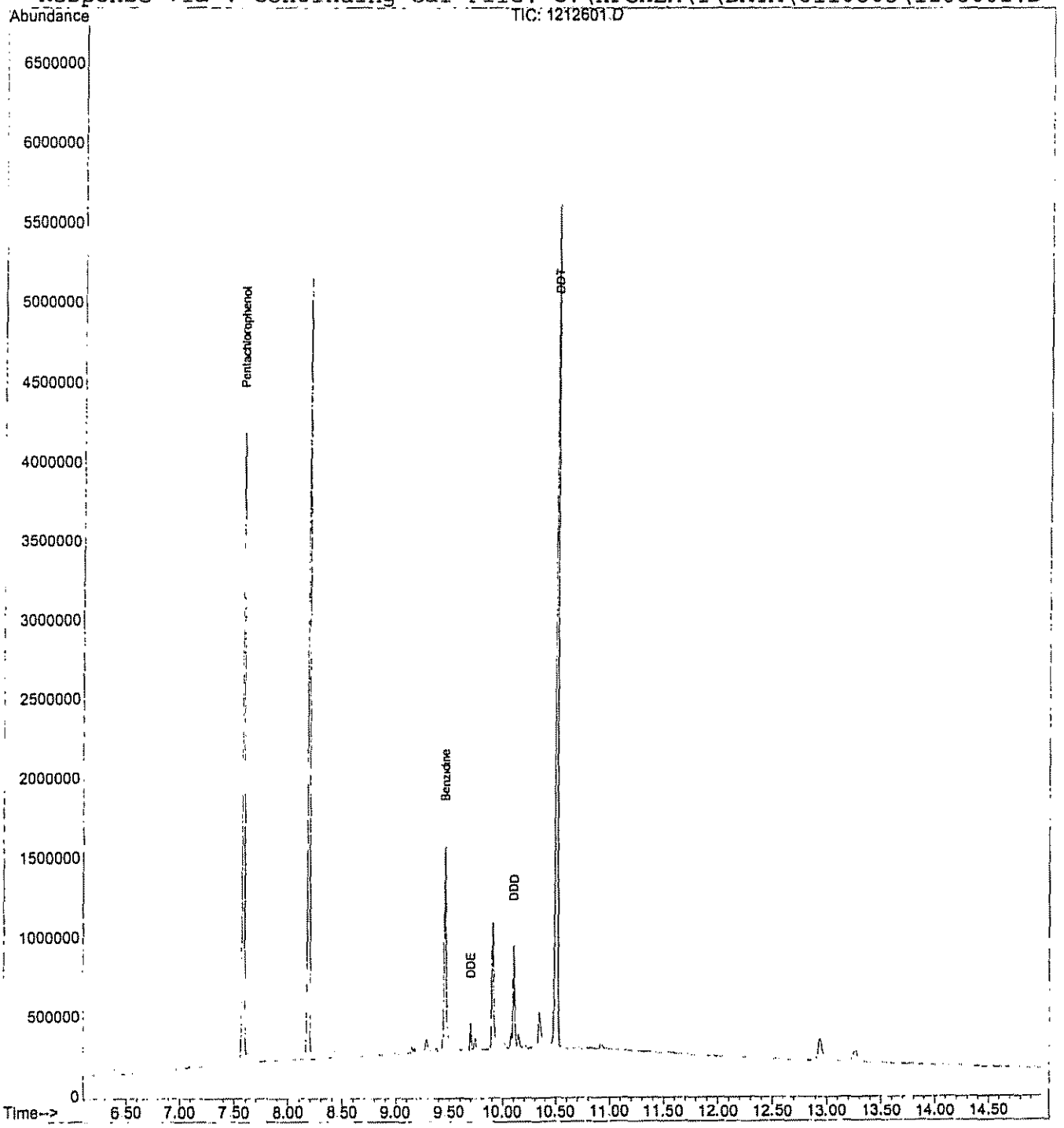
Target Compounds					Qvalue
1) Pentachlorophenol	7.58	TIC	5020730	2.96	100
2) Benzidine	9.46	TIC	1837098m	2.74	
3) DDT	10.51	TIC	6790935	2.63	100
4) DDD	10.10	TIC	716211m	3.77	
5) DDE	9.70	TIC	215315m	3.40	

(#) = qualifier out of range (m) = manual integration
1212601.D DFTPP.M Mon Dec 12 08:45:18 2005 ENV Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212601.D Vial: 1
Acq On : 12 Dec 2005 8:05 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : (W17-H] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 12 8:45 2005 Quant Results File: DFTPP.RES

Method : C:\HPCHEM\1\DATA\6121205\DFTPP.M (RTE Integrator)
Title :
Last Update : Tue Nov 08 09:07:43 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6110805\1108601.D

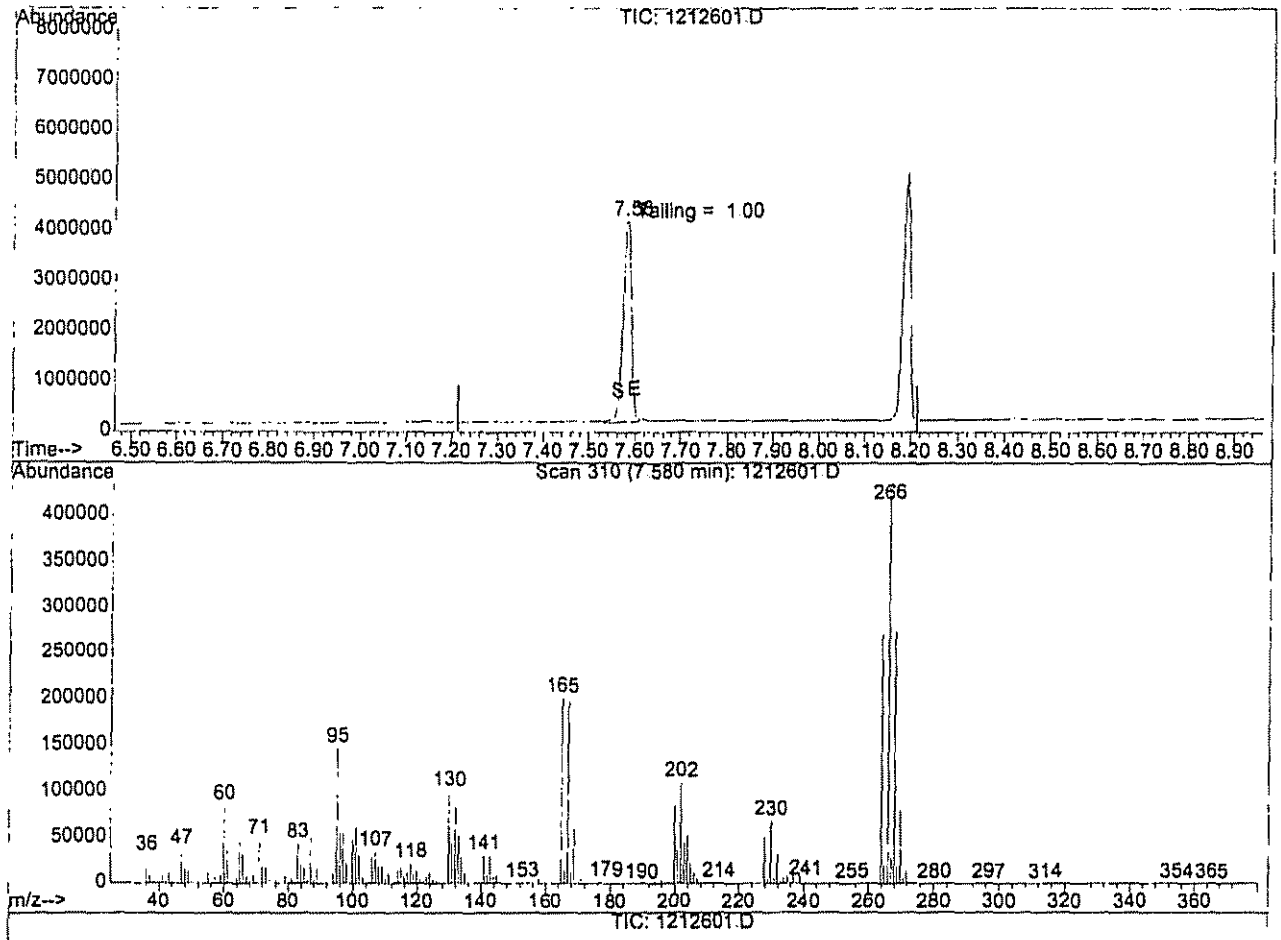


1212601.D DFTPP.M Mon Dec 12 08:45:19 2005 ENV Page 2

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212601.D Vial: 1
Acq On : 12 Dec 2005 8:05 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : (W17-H] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 12 8:45 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\DFTPP.M (RTE Integrator)
Title :
Last Update : Tue Nov 08 09:07:43 2005
Response via : Single Level Calibration



(1) Pentachlorophenol

7.58min 2.96

response 5020730

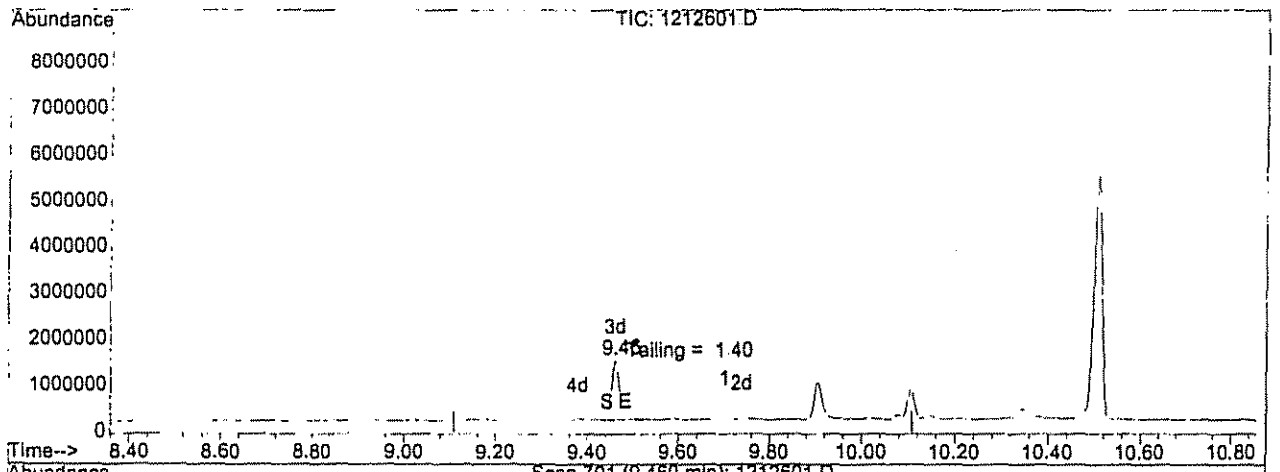
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

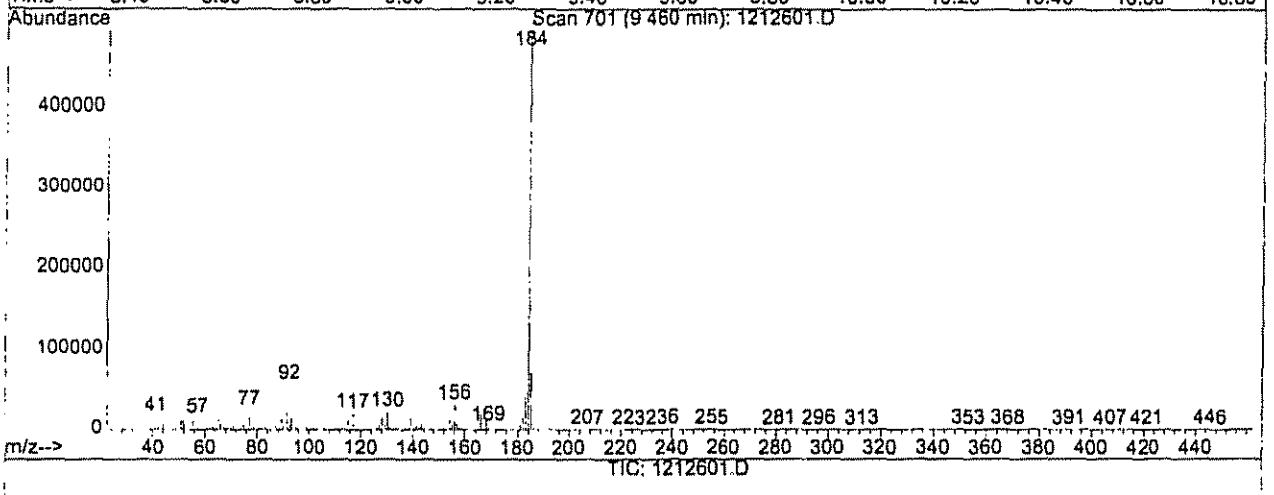
1212601.D DFTPP.M Mon Dec 12 08:45:30 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212601.D Vial: 1
Acq On : 12 Dec 2005 8:05 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : (W17-H] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 12 8:45 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\DFTPP.M (RTE Integrator)
Title :
Last Update : Tue Nov 08 09:07:43 2005
Response via : Single Level Calibration





TIC: 1212601.D

(2) Benzidine

9.46min 2.74 m

response 1837098

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

1212601.D DFTPP.M Mon Dec 12 08:45:39 2005 ENV

DDT Breakdown Report

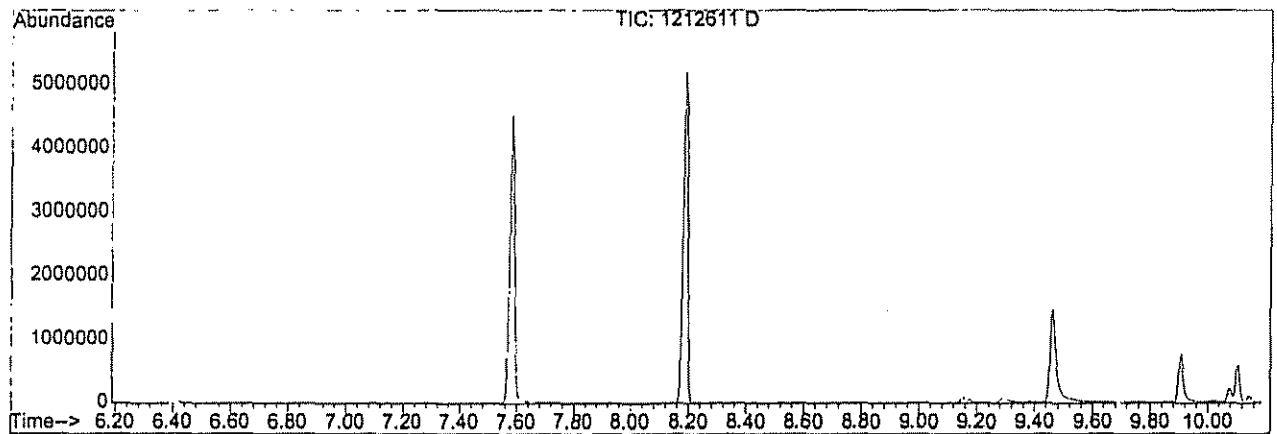
DFTPP TUNE

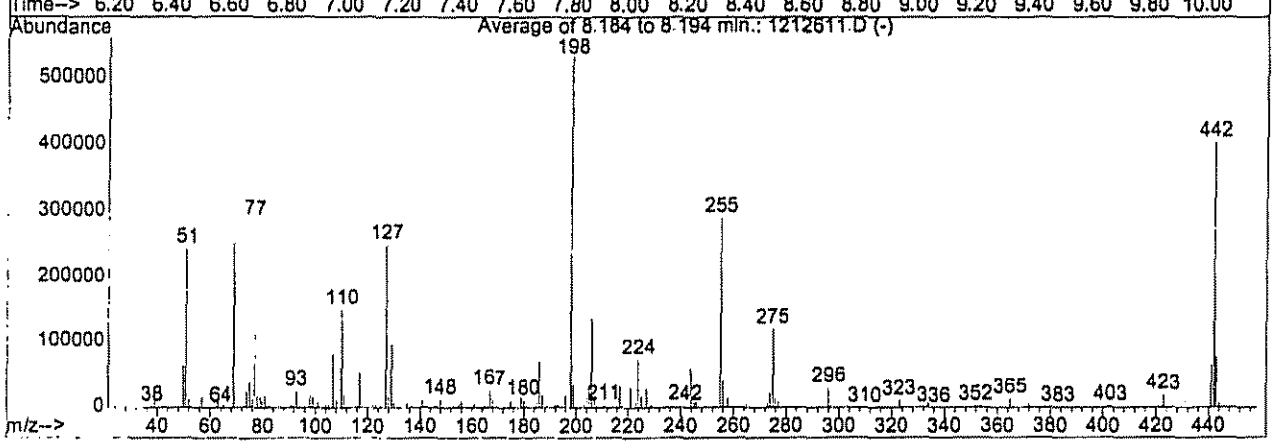
		Area
GCMS	DDT	6790935
	DDD	716211
	DDE	215315
	% Breakdown =	**12.06%**

Date: 12/12/05
Instrument: MSD6
File: 1212601.d

DFTPP

Data File : C:\HPCHEM\1\DATA\6121205\1212611.D Vial: 1
Acq On : 12 Dec 2005 4:31 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : (W17-H] Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\DATA\6121205\DFTPP.M (RTE Integrator)
Title :





AutoFind: Scans 436, 437, 438; Background Corrected with Scan 427

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.7	244498	PASS
68	69	0.00	2	0.5	1319	PASS
69	198	0.00	100	47.6	254458	PASS
70	69	0.00	2	0.5	1391	PASS
127	198	40	60	46.9	250752	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	534549	PASS
199	198	5	9	6.7	36005	PASS
275	198	10	30	22.4	119755	PASS
365	198	1	100	2.6	13719	PASS
441	443	0.01	100	84.3	65187	PASS
442	198	40	100	75.6	404373	PASS
443	442	17	23	19.1	77323	PASS

1212611.D DFTPP.M Mon Dec 12 16:46:49 2005 ENV

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212611.D Vial: 1
Acq On : 12 Dec 2005 4:31 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : (W17-H] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 13 8:12 2005 Quant Results File: DFTPP.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\DFTPP.M (RTE Integrator)
Title :
Last Update : Tue Nov 08 09:07:43 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6110805\1108601.D
DataAcq Meth : DFTPP

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

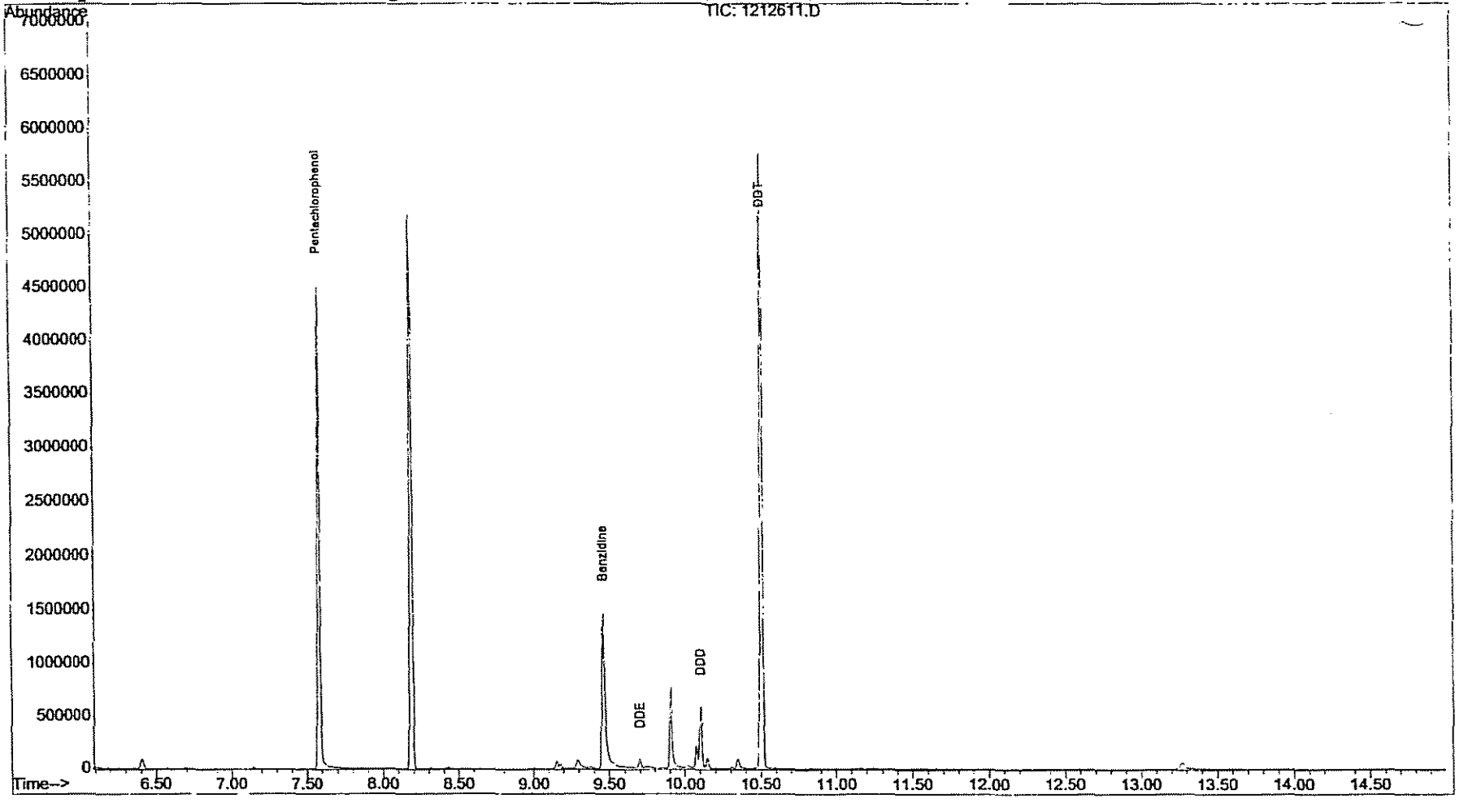
Target Compounds					Qvalue
1) Pentachlorophenol	7.58	TIC	5490713	3.23	100
2) Benzidine	9.46	TIC	2381349m	3.56	
3) DDT	10.51	TIC	7186190	2.78	100
4) DDD	10.11	TIC	602961m	3.17	
5) DDE	9.70	TIC	83168m	1.31	

(#) = qualifier out of range (m) = manual integration
1212611.D 8270.M Tue Dec 13 08:12:30 2005 ENV Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212611.D Vial: 1
Acq On : 12 Dec 2005 4:31 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : (W17-H] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 13 8:12 2005 Quant Results File: DFTPP.RES

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\6110805\1108601.D

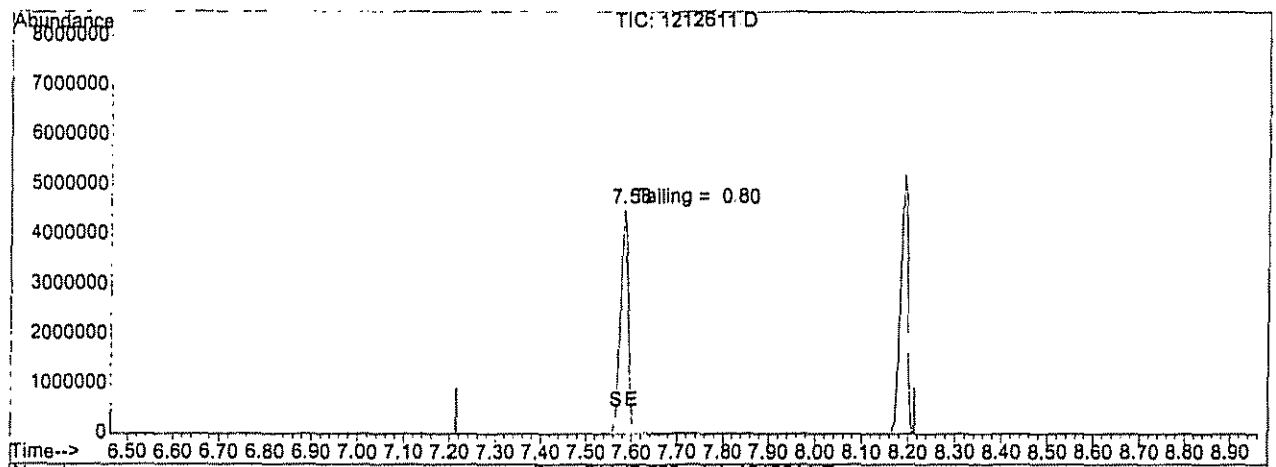


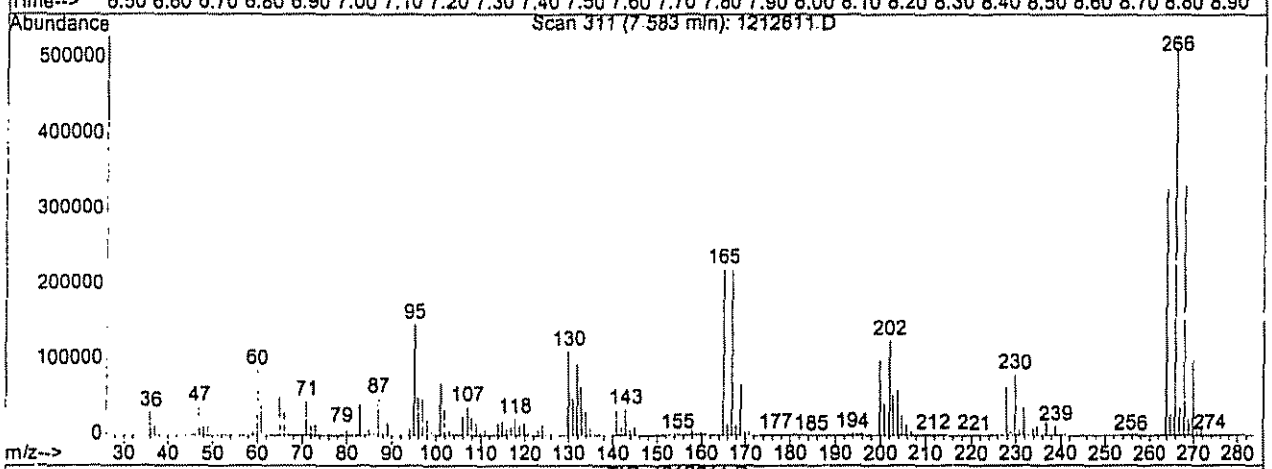
PARADIGM ANALYTICAL LABORATORIES, INC.
N.C. CERTIFICATION #481

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212611.D Vial: 1
Acq On : 12 Dec 2005 4:31 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : (W17-H] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 8:12 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Single Level Calibration





(1) Pentachlorophenol

7.58min 3.23

response 5490713

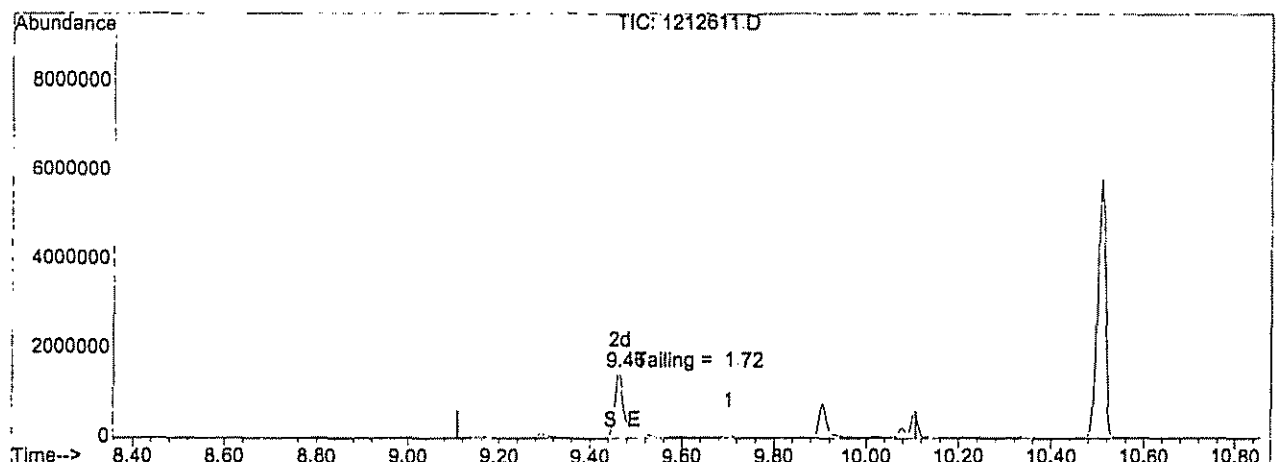
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

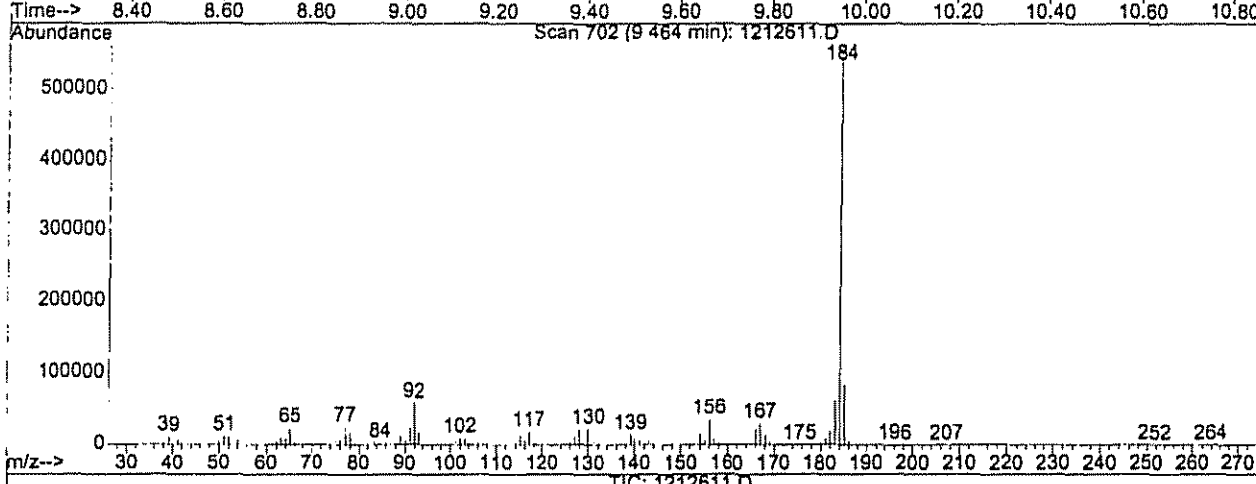
1212611.D 8270.M Tue Dec 13 08:13:19 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212611.D Vial: 1
Acq On : 12 Dec 2005 4:31 pm Operator: MRC
Sample : DFTPP 50ng Inst : MSD6
Misc : (W17-H] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 8:12 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Single Level Calibration





TIC: 1212611.D

(2) Benzidine

9.46min 3.56 m

response 2381349

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

1212611.D 8270.M Tue Dec 13 08:13:28 2005 ENV

DDT Breakdown Report

DFTPP TUNE

		Area
GCMS	DDT	7186190
	DDD	602961
	DDE	83168
	% Breakdown =	**8.72%**

Date: 12/13/05

Instrument: MSD6

File: 1213601.d

625-BN Calibration Raw Data

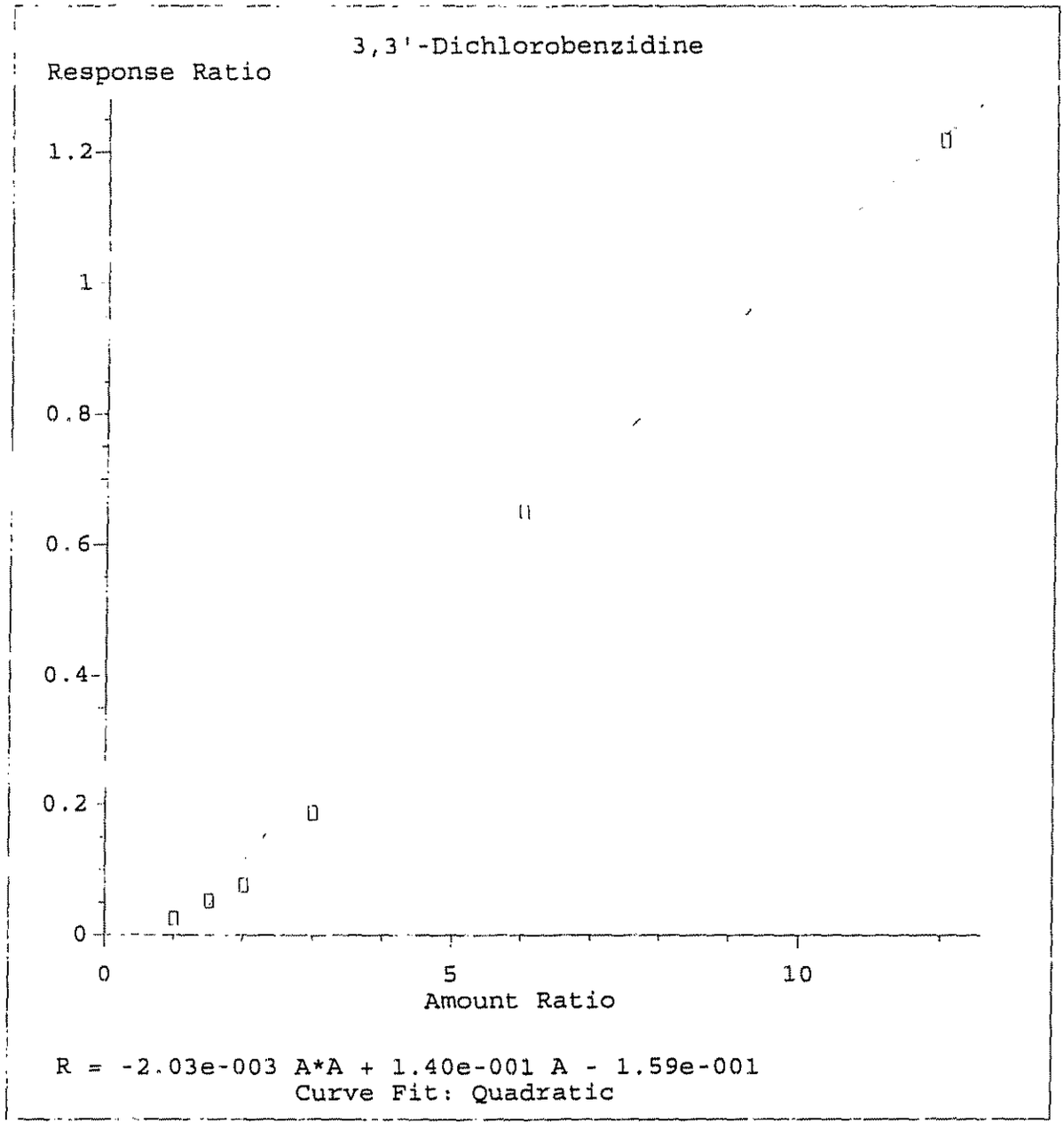
Initial Calibration Report
Paradigm Analytical Labs

Instrument ; MSD6
Method ; 8270.M
Matrix ; NA
Cal. Date ; 12 Dec 2005 9:40 am
Last Modified ; Mon Dec 12 11:28:24 2005
Number of levels ; 8

Cal Files by ID
48 ; C:\HPCHEM\1\DATA\6121205\1212602.D
24 ; C:\HPCHEM\1\DATA\6121205\1212609.D
12 ; C:\HPCHEM\1\DATA\6121205\1212608.D
8 ; C:\HPCHEM\1\DATA\6121205\1212607.D
6 ; C:\HPCHEM\1\DATA\6121205\1212606.D
4 ; C:\HPCHEM\1\DATA\6121205\1212605.D
2 ; C:\HPCHEM\1\DATA\6121205\1212604.D
1 ; C:\HPCHEM\1\DATA\6121205\1212603.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	1.407	1.592	1.493	1.807	1.949	1.829	1.720	1.623	1.678	10.863
N-Nitrosodimethylamine	0.732	1.020	1.117	1.045	1.149	1.044	1.003	0.948	1.007	12.690
Phenol	1.899	1.936	2.120	2.032	2.235	2.114	2.182	2.141	2.082	5.640
Bis(2-chloroethyl)ether	1.547	1.594	1.777	1.767	1.925	1.831	1.898	1.864	1.775	7.776
2-Chlorophenol	1.430	1.418	1.542	1.452	1.591	1.467	1.512	1.515	1.491	3.984
Benzyl Alcohol	0.862	0.922	0.998	0.914	1.119	1.035	1.028	0.881	0.970	9.184
1,3-Dichlorobenzene	1.415	1.449	1.560	1.501	1.636	1.505	1.567	1.546	1.522	4.604
1,4-Dichlorobenzene	1.428	1.464	1.598	1.500	1.671	1.543	1.582	1.651	1.555	5.589
1,2-Dichlorobenzene	1.244	1.321	1.438	1.374	1.505	1.398	1.446	1.476	1.400	6.120
2-Methylphenol	1.233	1.226	1.324	1.226	1.369	1.252	1.289	1.253	1.272	4.094
3-, 4-Methylphenol	1.754	1.744	1.860	1.755	1.896	1.812	1.857	1.751	1.804	3.363
Bis(2-chloroisopropyl)ether	2.572	2.696	3.033	2.894	3.238	2.977	3.091	3.190	2.961	7.840
N-Nitrosodi-n-propylamine	0.948	0.949	1.029	0.966	1.069	1.024	1.059	1.045	1.011	4.894
Hexachloroethane	0.550	0.559	0.606	0.576	0.639	0.589	0.597	0.575	0.586	4.816
2-Fluorophenol (surr)	1.249	1.284	1.411	1.327	1.434	1.327	1.362	1.199	1.324	5.981
Phenol-d6 (surr)	1.896	1.937	2.089	1.965	2.147	2.001	2.077	2.005	2.015	4.179
Nitrobenzene	0.403	0.430	0.484	0.453	0.505	0.470	0.487	0.473	0.463	7.123
Isophorone	0.639	0.646	0.694	0.658	0.733	0.678	0.706	0.693	0.681	4.693
2-Nitrophenol	0.174	0.179	0.188	0.176	0.193	0.188	0.217	0.229	0.193	10.356
2,4-Dimethylphenol	0.257	0.261	0.276	0.256	0.281	0.265	0.274	0.265	0.267	3.417
Benzoic Acid	0.216	0.210	0.197	0.179	0.180	0.168	0.168	0.152	0.184	12.106
Bis(2-chloroethoxy)methane	0.425	0.442	0.486	0.464	0.513	0.485	0.511	0.497	0.478	6.681
2,4-Dichlorophenol	0.257	0.259	0.266	0.255	0.279	0.261	0.263	0.234	0.259	4.912
1,2,4-Trichlorobenzene	0.266	0.275	0.298	0.282	0.317	0.292	0.306	0.296	0.292	5.655
Naphthalene	0.858	0.921	1.009	0.952	1.061	0.997	1.041	1.035	0.984	7.040
4-Chloroaniline	0.113	0.118	0.128	0.121	0.133	0.127	0.128	0.123	0.124	5.342
Hexachlorobutadiene	0.145	0.154	0.164	0.153	0.174	0.159	0.166	0.161	0.159	5.618
4-Chloro-3-methylphenol	0.310	0.311	0.336	0.311	0.347	0.319	0.327	0.301	0.320	4.770
2-Methylnaphthalene	0.597	0.641	0.698	0.654	0.739	0.683	0.710	0.689	0.676	6.552
Nitrobenzene-d5 (surr)	0.160	0.165	0.180	0.167	0.185	0.171	0.177	0.176	0.173	4.825
Hexachlorocyclopentadiene	0.128	0.126	0.119	0.118	0.118	0.109	0.115	0.089	0.115	10.534
2,4,6-Trichlorophenol	0.350	0.359	0.369	0.357	0.382	0.359	0.381	0.367	0.366	3.124
2,4,5-Trichlorophenol	0.346	0.357	0.364	0.355	0.388	0.368	0.377	0.350	0.363	3.885
2-Chloronaphthalene	0.980	1.103	1.168	1.124	1.244	1.134	1.195	1.182	1.141	6.916
2-Nitroaniline	0.305	0.364	0.346	0.322	0.367	0.351	0.388	0.378	0.353	7.986
3-Nitroaniline	0.023	0.026	0.026	0.023	0.026	0.024	0.025		0.025	5.616
1-Methylnaphthalene	0.958	1.073	1.171	1.119	1.250	1.146	1.212	1.185	1.139	8.007
Dimethylphthalate	1.179	1.247	1.321	1.280	1.398	1.302	1.354	1.332	1.301	5.174
Acenaphthylene	0.962	1.198	1.388	1.372	1.547	1.433	1.528	1.463	1.361	14.269
2,6-Dinitrotoluene	0.268	0.284	0.294	0.278	0.310	0.287	0.297	0.270	0.286	4.956
Acenaphthene	0.893	0.996	1.060	1.014	1.123	1.039	1.090	1.076	1.036	6.847
2,4-Dinitrophenol	0.139	0.146	0.137	0.132	0.139	0.127	0.129	0.108	0.132	8.775
4-Nitrophenol	0.142	0.139	0.137	0.141	0.140	0.133	0.123		0.137	4.825
Dibenzofuran	1.281	1.462	1.580	1.520	1.674	1.596	1.684	1.658	1.557	8.712
2,4-Dinitrotoluene	0.302	0.331	0.348	0.337	0.369	0.351	0.364	0.342	0.343	6.109
Fluorene	0.976	1.168	1.218	1.167	1.299	1.222	1.274	1.201	1.191	8.261
Diethylphthalate	1.013	1.119	1.196	1.163	1.282	1.186	1.247	1.211	1.177	7.025
4-Chlorophenyl phenyl ether	0.491	0.583	0.610	0.591	0.654	0.599	0.631	0.623	0.598	8.158
4-Nitroaniline		0.073	0.077	0.085	0.087	0.084	0.070		0.079	8.900
2-Fluorobiphenyl (surr)	1.094	1.229	1.320	1.270	1.404	1.300	1.368	1.384	1.296	7.791
2,4,6-Tribromophenol (surr)	0.120	0.121	0.114	0.106	0.116	0.108	0.107	0.096	0.111	7.659
4,6-Dinitro-2-methylphenol	0.138	0.142	0.139	0.128	0.138	0.123	0.124	0.100	0.129	10.692
Diphenylamine				0.365	0.371	0.339	0.409	0.473	0.392	13.270
4-bromophenyl phenyl ether	0.186	0.212	0.233	0.216	0.239	0.217	0.220	0.226	0.219	7.393
Hexachlorobenzene	0.198	0.207	0.215	0.198	0.221	0.191	0.196	0.212	0.205	5.202
Pentachlorophenol	0.141	0.142	0.132	0.127	0.135	0.117	0.114	0.099	0.126	11.950
Phenanthrene	0.985	1.116	1.153	1.090	1.195	1.130	1.178	1.174	1.128	5.969

Carbazole			0.631	0.709	0.817	0.838	0.878	0.816	0.781	11.819
Anthracene	0.887	1.026	1.075	1.011	1.130	1.055	1.113	1.098	1.049	7.370
Azobenzene	0.944	1.066	1.173	1.134	1.255	1.151	1.193	1.243	1.145	8.844
Di-n-Butylphthalate	1.145	1.300	1.418	1.363	1.538	1.374	1.447	1.470	1.382	8.685
Fluoranthene	1.021	1.168	1.187	1.133	1.265	1.213	1.267	1.227	1.185	6.819
alpha-BHC	0.123	0.140	0.156	0.152	0.169	0.150	0.156	0.160	0.151	9.280
beta-BHC	0.112	0.124	0.132	0.126	0.139	0.122	0.123	0.116	0.124	6.843
gamma-BHC	0.112	0.123	0.133	0.128	0.142	0.127	0.134	0.127	0.128	6.794
delta-BHC	0.096	0.111	0.120	0.116	0.128	0.114	0.119	0.112	0.114	7.968
Heptachlor	0.150	0.175	0.191	0.188	0.208	0.182	0.188	0.180	0.183	8.958
Aldrin	0.168	0.203	0.229	0.226	0.255	0.229	0.246	0.256	0.226	12.985
Heptachlor Epoxide	0.053	0.055	0.055	0.051	0.055	0.048	0.049	0.043	0.051	8.471
Endosulfan I	0.030	0.036	0.044	0.043	0.049	0.043	0.044	0.038	0.041	14.347
4,4'-DDE	0.212	0.239	0.252	0.238	0.264	0.237	0.251	0.246	0.243	6.284
Dieldrin	0.214	0.242	0.271	0.268	0.298	0.274	0.292	0.295	0.269	10.694
Endrin	0.034	0.037	0.038	0.036	0.040	0.036	0.036	0.024	0.035	14.054
Endosulfan II	Not Calibrated									
4,4'-DDD	0.340	0.406	0.443	0.429	0.480	0.436	0.462	0.455	0.431	9.939
Endosulfan Sulfate		0.042	0.053	0.051	0.060	0.053	0.055	0.048	0.052	10.976
4,4'-DDT	0.340	0.406	0.443	0.429	0.480	0.436	0.462	0.455	0.431	9.939
Endrin Aldehyde	Not Calibrated									
Endrin Ketone	0.041	0.043	0.045	0.042	0.047	0.039	0.039	0.032	0.041	10.891
Methoxychlor	0.615	0.712	0.720	0.668	0.739	0.684	0.699	0.633	0.684	6.295
Pyrene	1.218	1.402	1.597	1.555	1.758	1.606	1.694	1.768	1.575	11.865
Butylbenzylphthalate	0.702	0.741	0.822	0.797	0.891	0.793	0.823	0.792	0.795	7.088
Benzo[a]anthracene	1.196	1.303	1.316	1.225	1.359	1.245	1.306	1.274	1.278	4.196
3,3'-Dichlorobenzidine	0.102	0.109	0.062	0.038	0.035	0.026			0.062	57.491
Chrysene	1.118	1.240	1.237	1.171	1.290	1.212	1.227	1.203	1.212	4.225
Bis(2-ethylhexyl)phthalate	0.939	1.028	1.150	1.130	1.262	1.126	1.166	1.197	1.125	8.909
4-Terphenyl-d14 (surr)	0.977	1.059	1.105	1.042	1.176	1.057	1.098	1.116	1.079	5.475
Di-n-octylphthalate	3.295	3.553	4.110	4.083	4.683	4.215	4.317	4.722	4.122	12.061
Benzo[b]fluoranthene	2.544	2.421	2.445	2.319	2.617	2.403	2.348	2.415	2.439	4.025
Benzo[k]fluoranthene	1.974	2.229	2.400	2.284	2.451	2.235	2.361	2.318	2.281	6.415
Benzo[a]pyrene	1.933	1.990	2.028	1.924	2.065	1.853	1.886	1.849	1.941	4.115
Indeno(1,2,3-c,d)pyrene	1.459	1.427	1.376	1.330	1.290	1.109	1.182	1.075	1.281	11.266
Dibenzo[a,h]anthracene	1.363	1.368	1.305	1.239	1.207	1.043	1.083	0.924	1.191	13.517
Benzo[g,h,i]perylene	1.392	1.457	1.449	1.387	1.369	1.181	1.279	1.159	1.334	8.635



Method Name: C:\HPCHEM\1\DATA\6121205\8270.M
Calibration Table Last Updated: Mon Dec 12 16:38:11 2005

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212603.D Vial: 3
Acq On : 12 Dec 2005 10:15 am Operator: MRC
Sample : SVCAL01 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:28 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 09:35:23 2005
Response via : Initial Calibration
DataAcq Meth : 8270

mc 12-12-05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.23	152	178192	4.00 ug/mL	-0.01
18) Naphthalene-D8	9.16	136	747690	4.00 ug/mL	-0.01
33) Acenaphthene-d10	11.95	164	404886	4.00 ug/mL	-0.01
55) Phenanthrene-D10	14.33	188	570834	4.00 ug/mL	-0.02
85) Chrysene-D12	18.59	240	404323	4.00 ug/mL	-0.03
93) Perylene-D12	20.96	264	168136	4.00 ug/mL	-0.03
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	5.43	112	53406	0.94 ug/mL	-0.05
Spiked Amount 10.000			Recovery	= 9.40%	
17) Phenol-d6 (surr)	6.71	99	89311	1.02 ug/mL	-0.05
Spiked Amount 10.000			Recovery	= 10.20%	
32) Nitrobenzene-d5 (surr)	8.06	128	32807	1.03 ug/mL	-0.03
Spiked Amount 10.000			Recovery	= 10.30%	
53) 2-Fluorobiphenyl (surr)	10.89	172	140124	1.08 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 10.80%	
54) 2,4,6-Tribromophenol (surr	13.22	330	9689	0.98 ug/mL	-0.03
Spiked Amount 10.000			Recovery	= 9.80%	
92) 4-Terphenyl-d14 (surr)	16.94	244	112803	1.03 ug/mL	-0.04
Spiked Amount 10.000			Recovery	= 10.30%	

Target Compounds					Qvalue
2) Pyridine	3.88	79	72307m	2.08 ug/mL	
3) N-Nitrosodimethylamine	3.87	74	42236m	1.39 ug/mL	
4) Phenol	6.72	94	95360	1.04 ug/mL	93
5) Bis(2-chloroethyl)ether	6.87	93	83049	1.09 ug/mL	98
6) 2-Chlorophenol	6.92	128	67506	1.03 ug/mL	99
7) Benzyl Alcohol	7.45	108	39267	0.90 ug/mL	98
8) 1,3-Dichlorobenzene	7.15	146	68870	1.02 ug/mL	99
9) 1,4-Dichlorobenzene	7.25	146	73558	1.07 ug/mL	98
10) 1,2-Dichlorobenzene	7.48	146	65754	1.07 ug/mL	99
11) 2-Methylphenol	7.61	107	55809	1.00 ug/mL	96
12) 3-, 4-Methylphenol	7.84	107	78003	0.98 ug/mL	96
13) Bis(2-chloroisopropyl)ethe	7.66	45	142115	1.17 ug/mL	97
14) N-Nitrosodi-n-propylamine	7.85	70	46541	1.08 ug/mL	98
15) Hexachloroethane	7.98	117	25595	0.97 ug/mL	95
19) Nitrobenzene	8.09	77	88417	1.01 ug/mL	96
20) Isophorone	8.46	82	129560	1.02 ug/mL	98
21) 2-Nitrophenol	8.57	139	42834	1.38 ug/mL	96
22) 2,4-Dimethylphenol	8.66	122	49558	0.94 ug/mL	94
23) Benzoic Acid	8.74	122	28486m	1.22 ug/mL	
24) Bis(2-chloroethoxy)methane	8.81	93	92876	1.04 ug/mL	97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212603.D Vial: 3
Acq On : 12 Dec 2005 10:15 am Operator: MRC
Sample : SVCAL01 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:28 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 09:35:23 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) 2,4-Dichlorophenol	8.94	162	43731	0.87	ug/mL	98
26) 1,2,4-Trichlorobenzene	9.07	180	55328	1.00	ug/mL	91
27) Naphthalene	9.19	128	193517	1.05	ug/mL	98
28) 4-Chloroaniline	9.19	127	23084	0.98	ug/mL	92
29) Hexachlorobutadiene	9.41	225	30111	0.95	ug/mL	95
30) 4-Chloro-3-methylphenol	10.07	107	56199	0.90	ug/mL	95
31) 2-Methylnaphthalene	10.29	142	128857	1.02	ug/mL	99
34) Hexachlorocyclopentadiene	10.55	237	9024	1.65	ug/mL#	85
35) 2,4,6-Trichlorophenol	10.74	196	37151	1.03	ug/mL	94
36) 2,4,5-Trichlorophenol	10.79	196	35454	0.98	ug/mL	95
37) 2-Chloronaphthalene	11.06	162	119639	1.04	ug/mL	97
38) 2-Nitroaniline	11.23	65	38305	1.04	ug/mL	97
39) 3-Nitroaniline	12.28	138	1485	0.50	ug/mL#	61
40) 1-Methylnaphthalene	10.44	142	119948	1.06	ug/mL	98
41) Dimethylphthalate	11.56	163	134784	1.01	ug/mL	99
42) Acenaphthylene	11.72	152	148099	1.09	ug/mL	99
43) 2,6-Dinitrotoluene	11.64	165	27298	0.97	ug/mL	97
44) Acenaphthene	12.00	153	108955	1.05	ug/mL	97
45) 2,4-Dinitrophenol	12.07	184	10940	1.14	ug/mL#	82
46) 4-Nitrophenol	12.18	109	7236	0.57	ug/mL	98
47) Dibenzofuran	12.28	168	167810	1.07	ug/mL	97
48) 2,4-Dinitrotoluene	12.27	165	34579	1.00	ug/mL#	60
49) Fluorene	12.83	166	121525	1.01	ug/mL	99
50) Diethylphthalate	12.70	149	122580	0.97	ug/mL	97
51) 4-Chlorophenyl phenyl ethe	12.85	204	63102	1.06	ug/mL	95
52) 4-Nitroaniline	12.88	138	3707	0.66	ug/mL#	22
56) 4,6-Dinitro-2-methylphenol	12.93	198	14304	1.00	ug/mL	94
57) Diphenylamine	13.04	169	67537	1.64	ug/mL	94
58) 4-bromophenyl phenyl ether	13.64	248	32211	1.05	ug/mL#	86
59) Hexachlorobenzene	13.72	284	30279	1.06	ug/mL	93
60) Pentachlorophenol	14.04	266	14122	1.02	ug/mL	95
61) Phenanthrene	14.37	178	167546	1.06	ug/mL	99
62) Carbazole	14.73	167	116407	1.29	ug/mL	98
63) Anthracene	14.45	178	156633	1.05	ug/mL	98
64) Azobenzene	13.11	77	177458	1.07	ug/mL	97
65) Di-n-Butylphthalate	15.36	149	209763	1.06	ug/mL	99
66) Fluoranthene	16.28	202	175135	1.09	ug/mL#	93
67) alpha-BHC	13.65	183	22813	1.01	ug/mL	97
68) beta-BHC	13.98	181	16536	0.88	ug/mL	99
69) gamma-BHC	14.13	183	18100	0.94	ug/mL	92
70) delta-BHC	14.49	183	15982	0.93	ug/mL	95

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212603.D Vial: 3
Acq On : 12 Dec 2005 10:15 am Operator: MRC
Sample : SVCAL01 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:28 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 09:35:23 2005
Response via : Initial Calibration
DataAcq Meth : 8270

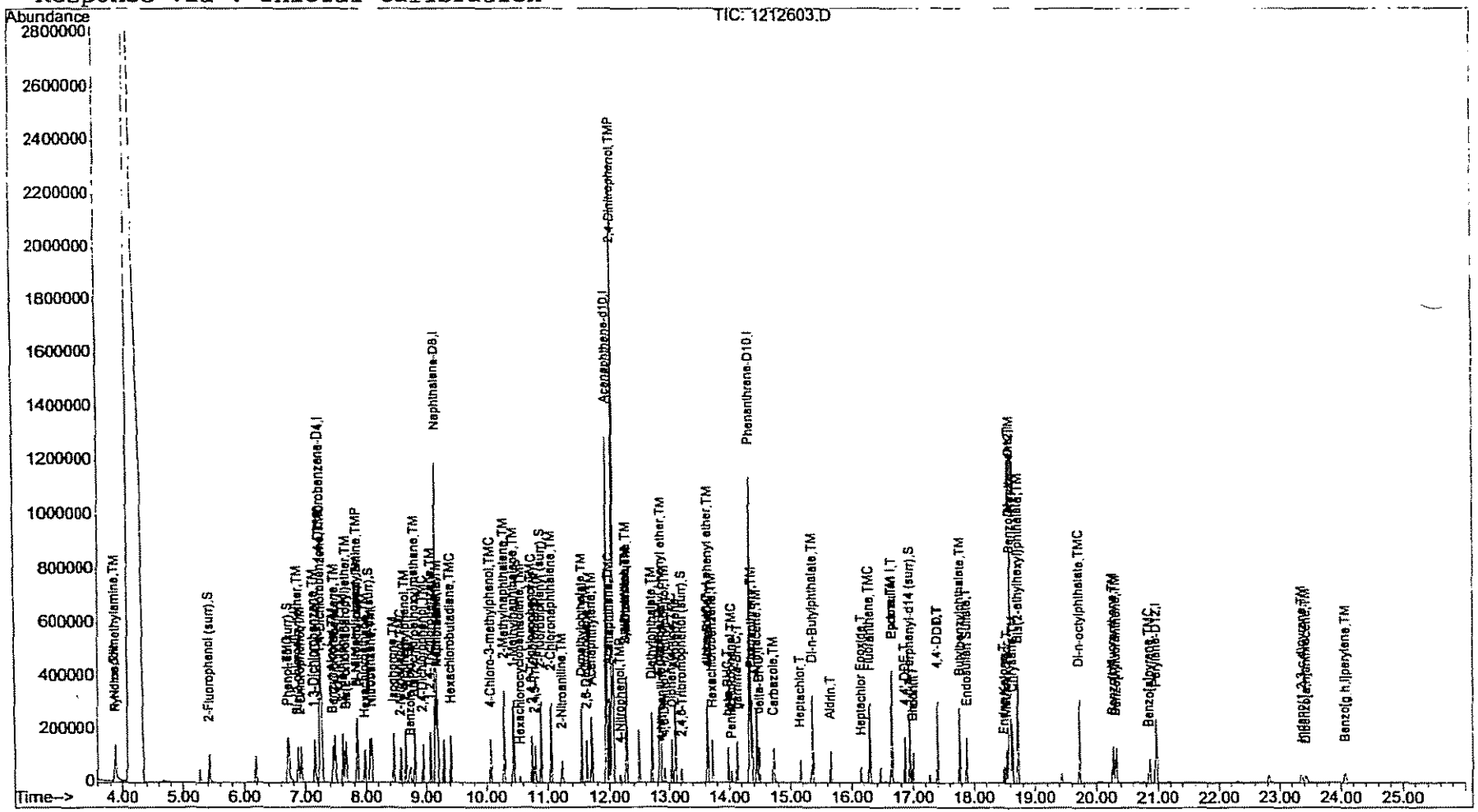
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.16	100	25667	1.13 ug/mL	85
72)	Aldrin	15.65	66	36537	1.13 ug/mL#	82
73)	Heptachlor Epoxide	16.16	353	6162	0.88 ug/mL	98
74)	Endosulfan I	16.65	195	5454	0.87 ug/mL#	43
75)	4,4'-DDE	16.86	246	35145	1.01 ug/mL	100
76)	Dieldrin	17.00	79	42139	1.11 ug/mL#	82
77)	Endrin	17.00	263	3389	0.64 ug/mL#	1
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.40	235	64864	1.12 ug/mL#	96
80)	Endosulfan Sulfate	17.88	272	6901	1.10 ug/mL#	51
81)	4,4'-DDT	17.40	235	64864	1.12 ug/mL	97
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.49	317	4619	0.83 ug/mL#	66
84)	Methoxychlor	18.54	227	90301	1.11 ug/mL#	100
86)	Pyrene	16.64	202	178719	1.11 ug/mL#	92
87)	Butylbenzylphthalate	17.77	149	80070	0.98 ug/mL	92
88)	Benzo[a]anthracene	18.58	228	128799	1.00 ug/mL	97
89)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
90)	Chrysene	18.63	228	121555	1.00 ug/mL	97
91)	Bis(2-ethylhexyl)phthalate	18.72	149	121023	1.03 ug/mL#	98
94)	Di-n-octylphthalate	19.72	149	198489	1.22 ug/mL	100
95)	Benzo[b]fluoranthene	20.27	252	101506m	1.03 ug/mL	
96)	Benzo[k]fluoranthene	20.32	252	97446	1.04 ug/mL#	97
97)	Benzo[a]pyrene	20.85	252	77740	0.95 ug/mL#	93
98)	Indeno(1,2,3-c,d)pyrene	23.35	276	45196m	0.79 ug/mL	
99)	Dibenzo[a,h]anthracene	23.44	278	38834	0.71 ug/mL	94
100)	Benzo[g,h,i]perylene	24.07	276	48725	0.85 ug/mL#	91

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212603.D Vial: 3
Acq On : 12 Dec 2005 10:15 am Operator: MRC
Sample : SVCAL01 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:28 2005 Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration



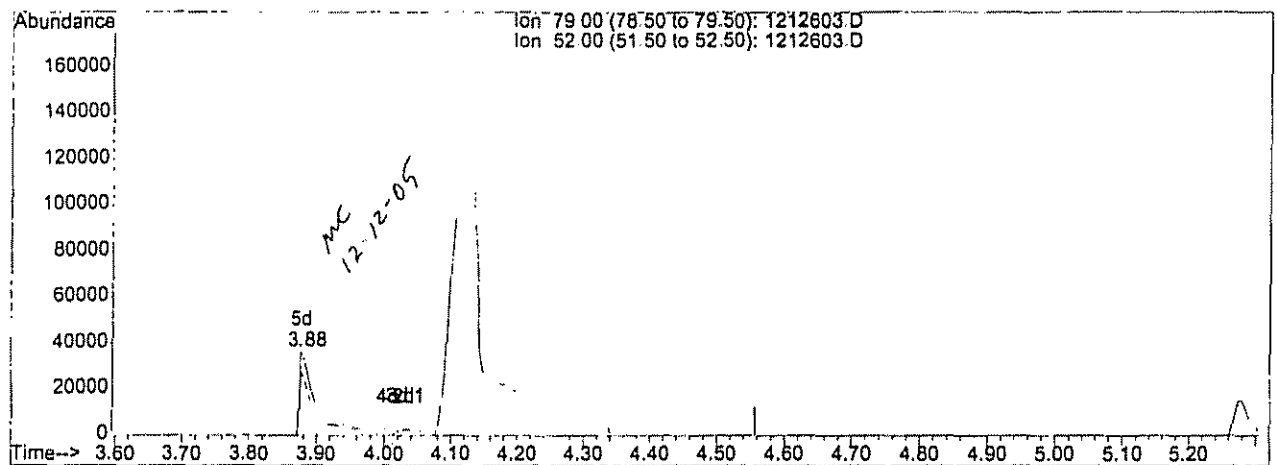
PARADIGM ANALYTICAL LABORATORIES, INC

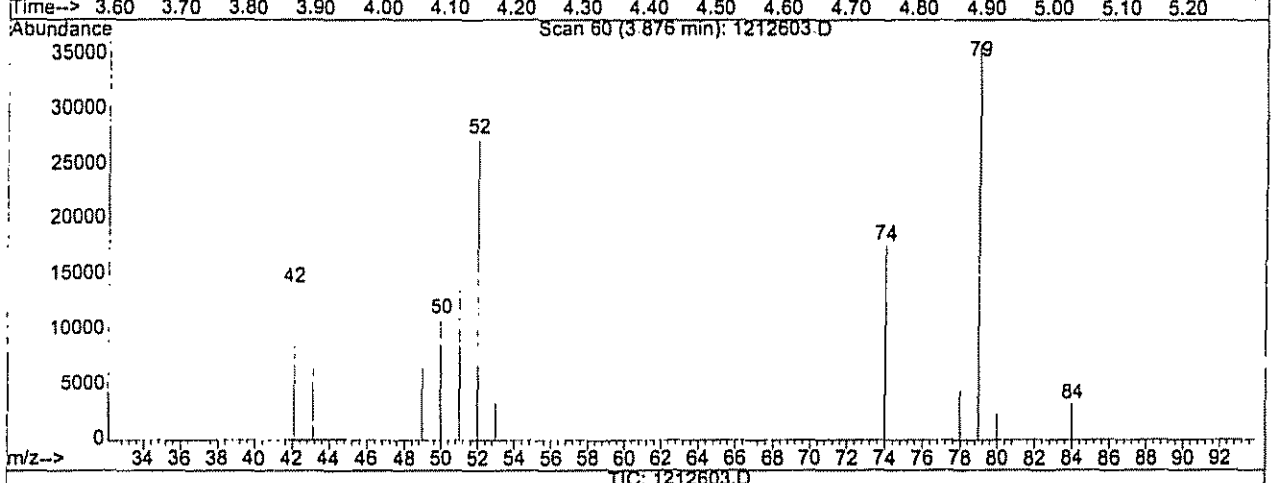
N.C. CERTIFICATION #481

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212603.D Vial: 3
Acq On : 12 Dec 2005 10:15 am Operator: MRC
Sample : SVCAL01 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:26 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:26:32 2005
Response via : Multiple Level Calibration





(2) Pyridine (TM)

3.88min 2.08ug/mL m

response 72307

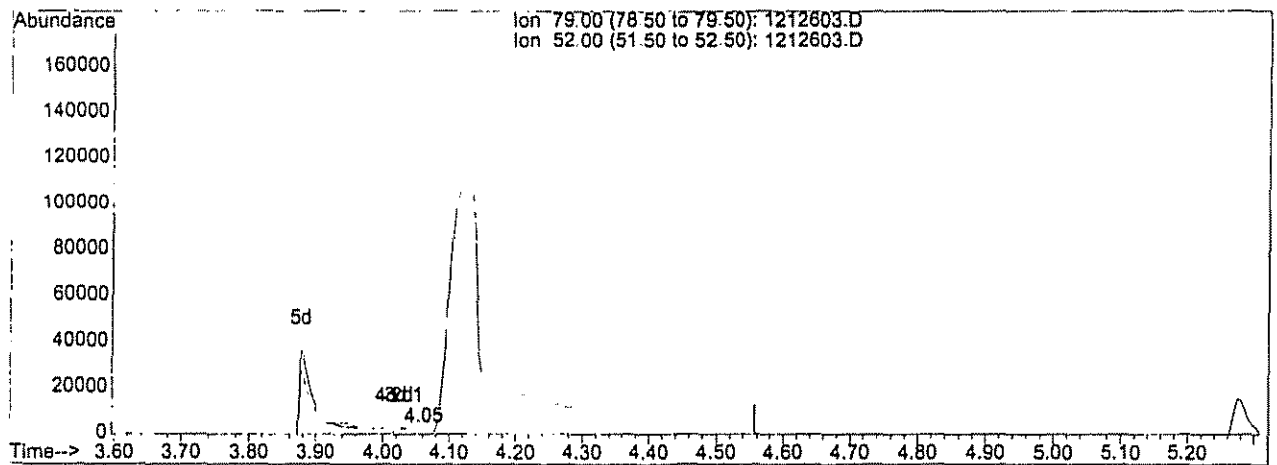
Ion	Exp%	Act%
79.00	100	100
52.00	66.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

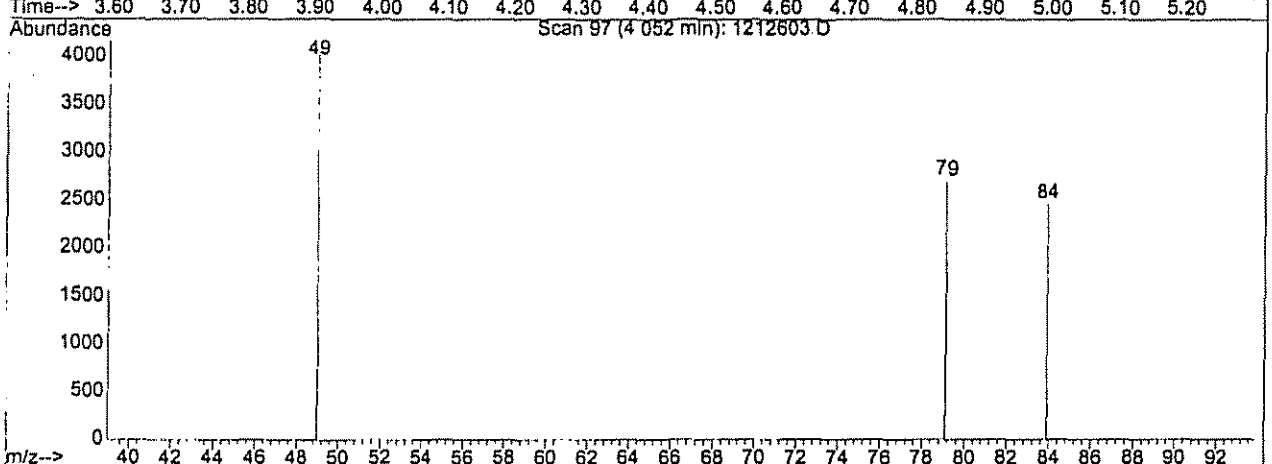
1212603.D 8270.M Mon Dec 12 11:26:46 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212603.D Vial: 3
Acq On : 12 Dec 2005 10:15 am Operator: MRC
Sample : SVCAL01) Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 10:41 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:26:32 2005
Response via : Multiple Level Calibration





TIC: 1212603.D

(2) Pyridine (TM)

4.05min 0.02ug/mL

response 775

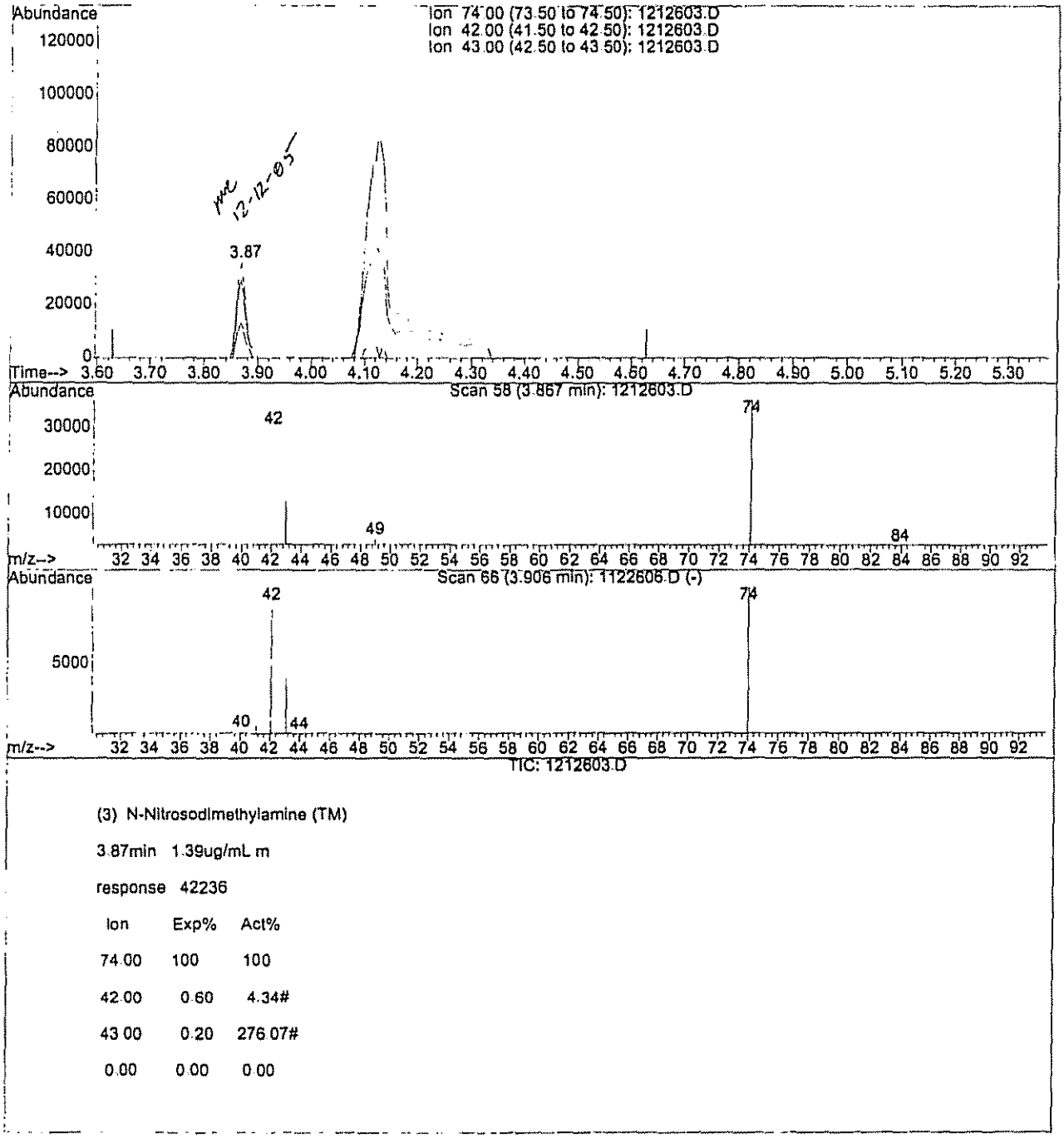
Ion	Exp%	Act%
79.00	100	100
52.00	66.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

1212603.D 8270.M Mon Dec 12 11:26:42 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212603.D Vial: 3
Acq On : 12 Dec 2005 10:15 am Operator: MRC
Sample : SVCAL01 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:26 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:26:32 2005
Response via : Multiple Level Calibration



(3) N-Nitrosodimethylamine (TM)

3.87min 1.39ug/mL m

response 42236

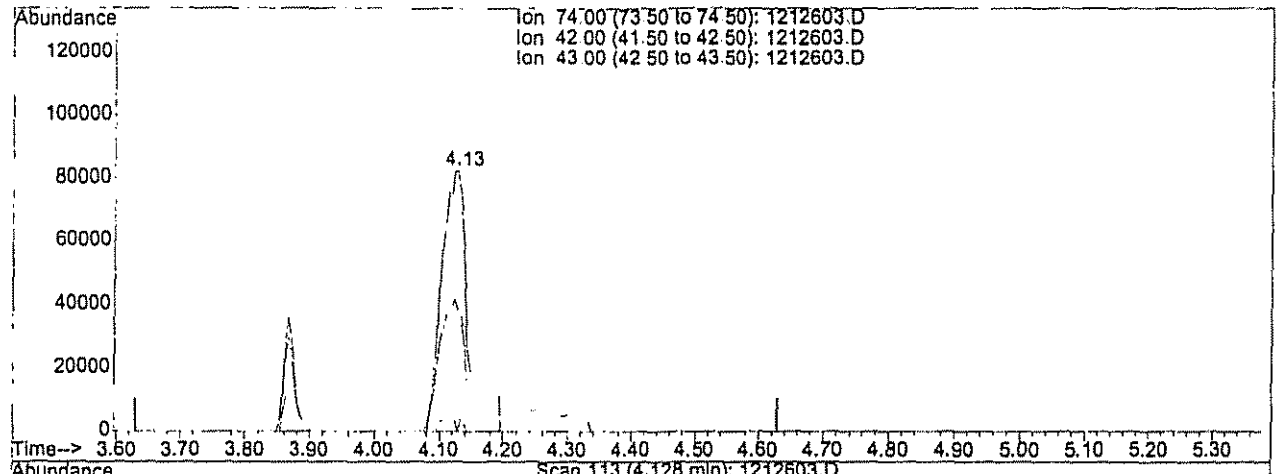
Ion	Exp%	Act%
74.00	100	100
42.00	0.60	4.34#
43.00	0.20	276.07#
0.00	0.00	0.00

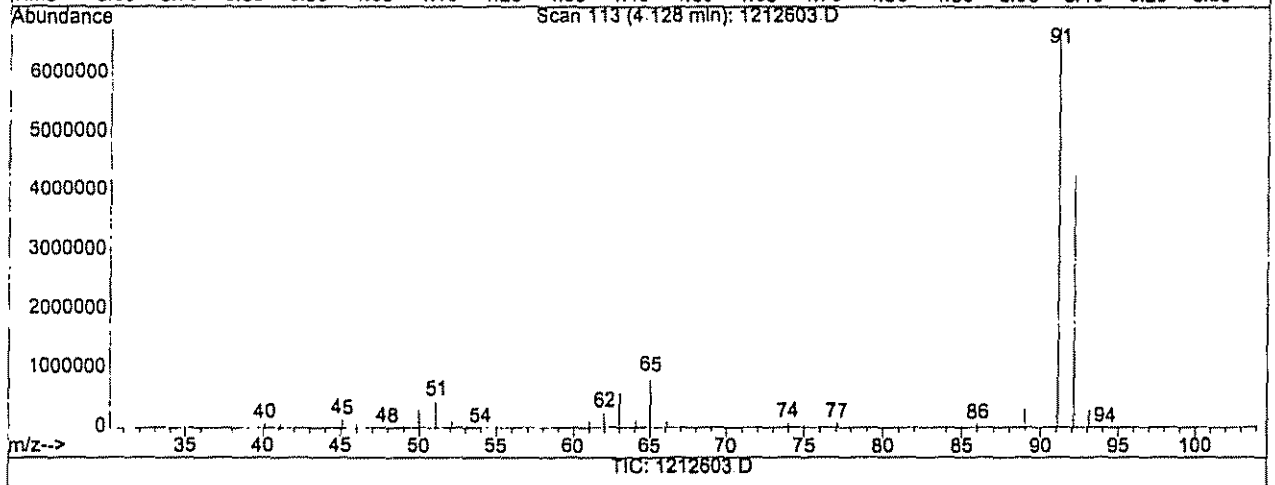
1212603.D 8270.M Mon Dec 12 11:26:55 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212603.D Vial: 3
Acq On : 12 Dec 2005 10:15 am Operator: MRC
Sample : SVCAL01 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:26 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:26:32 2005
Response via : Multiple Level Calibration





(3) N-Nitrosodimethylamine (TM)

4.13min 8.09ug/mL

response 246690

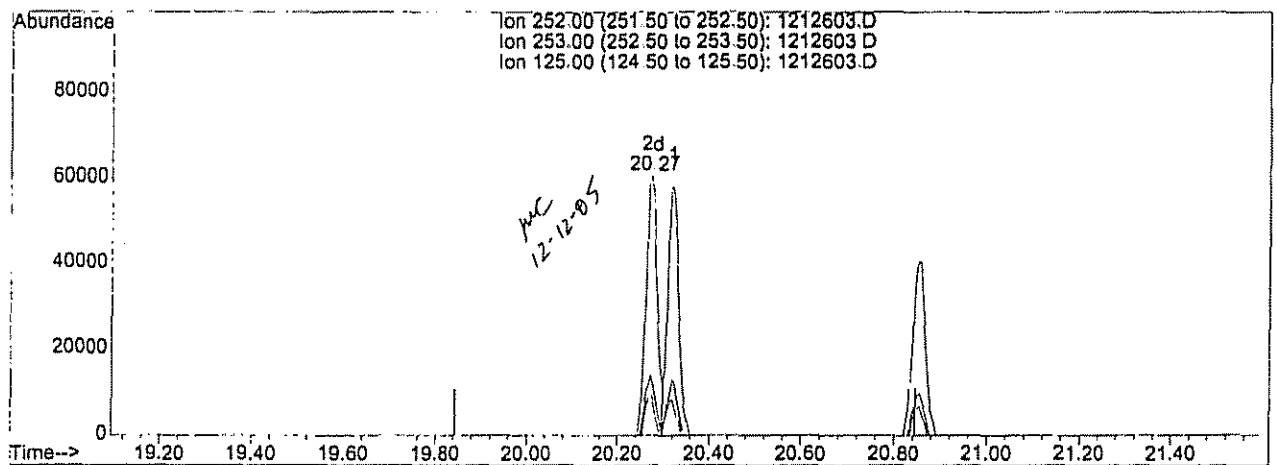
Ion	Exp%	Act%
74.00	100	100
42.00	0.60	0.74#
43.00	0.20	47.27#
0.00	0.00	0.00

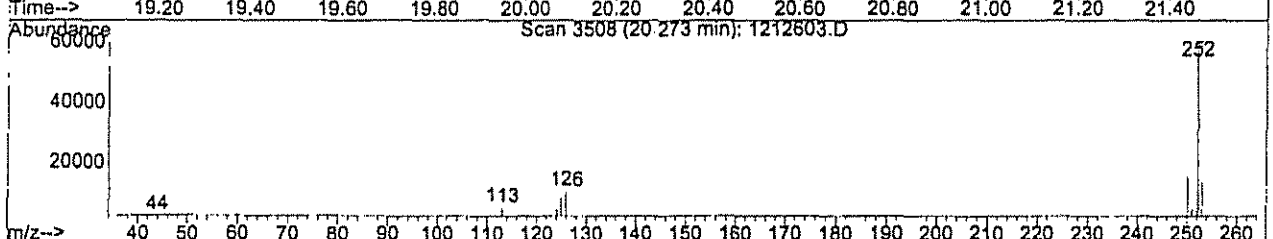
1212603.D 8270.M Mon Dec 12 11:26:49 2005 ENV

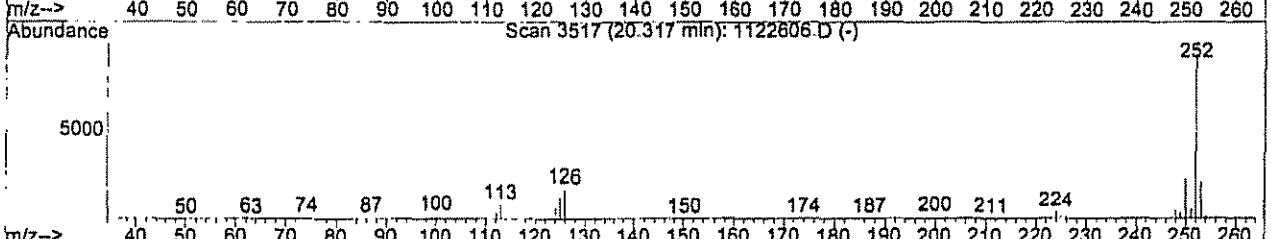
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212603.D Vial: 3
Acq On : 12 Dec 2005 10:15 am Operator: MRC
Sample : SVCAL01 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:27 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:26:32 2005
Response via : Multiple Level Calibration







TIC: 1212603.D

(95) Benzo[b]fluoranthene (TM)

20.27min 1.03ug/mL m

response 101506

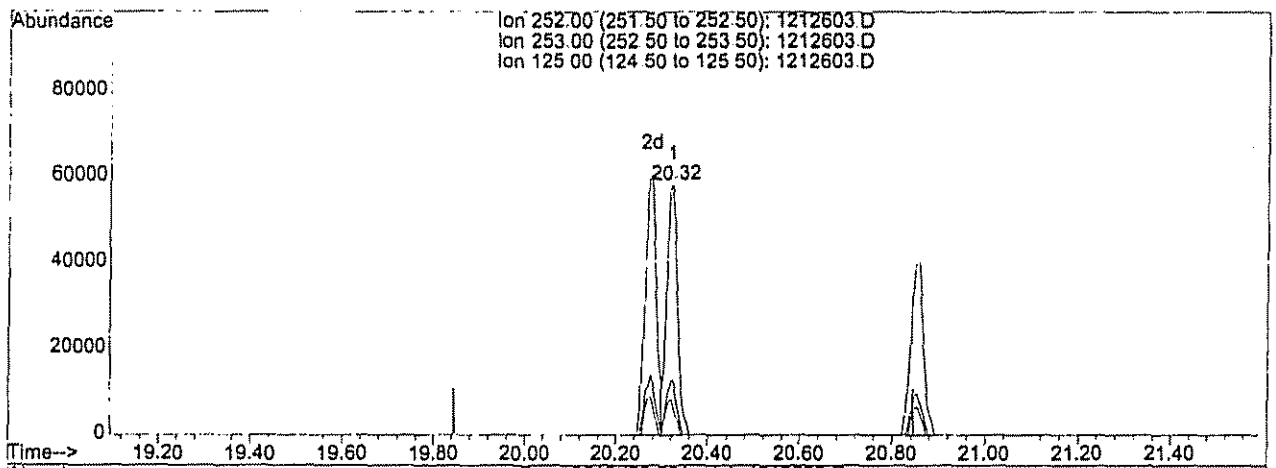
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	23.16
125.00	11.70	15.25#
0.00	0.00	0.00

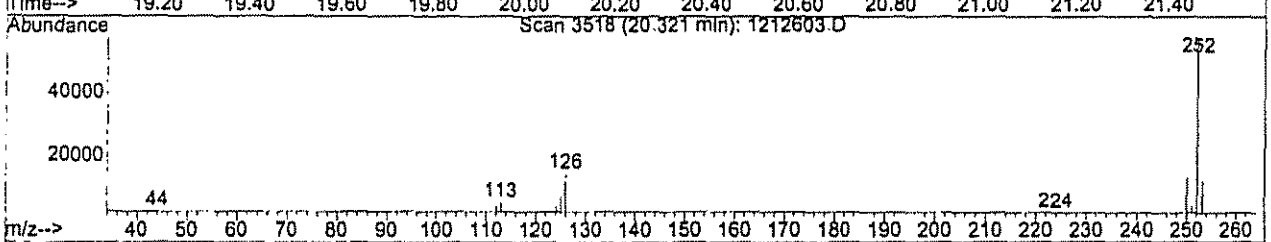
1212603.D 8270.M Mon Dec 12 11:28:03 2005 ENV

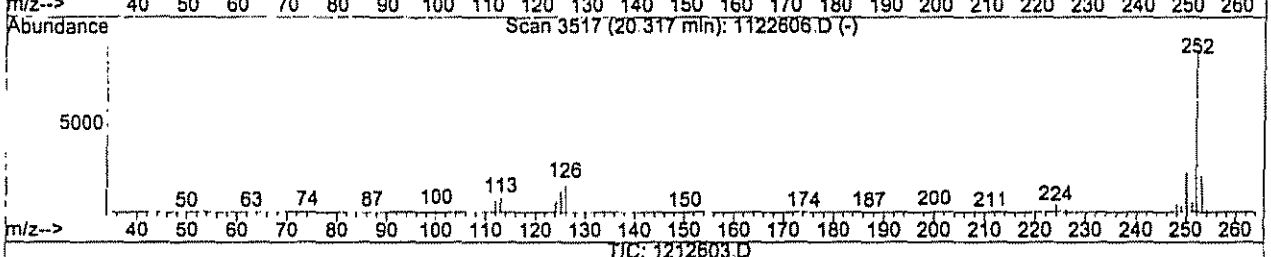
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212603.D Vial: 3
Acq On : 12 Dec 2005 10:15 am Operator: MRC
Sample : SVCAL01 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:27 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:26:32 2005
Response via : Multiple Level Calibration







(95) Benzo[b]fluoranthene (TM)

20.32min 0.99ug/mL

response 97446

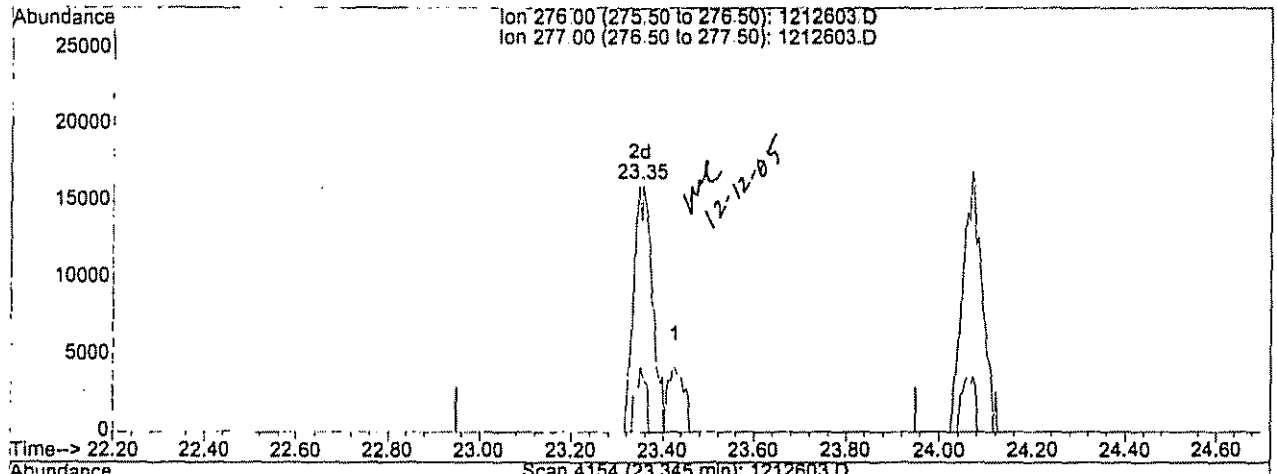
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	22.27
125.00	11.70	13.92
0.00	0.00	0.00

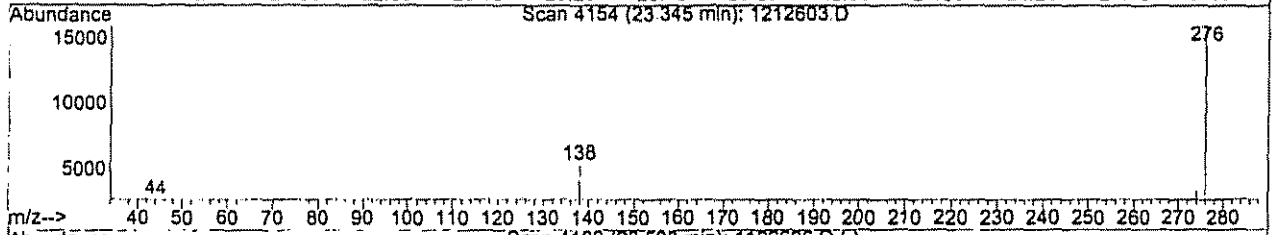
1212603.D 8270.M Mon Dec 12 11:27:57 2005 ENV

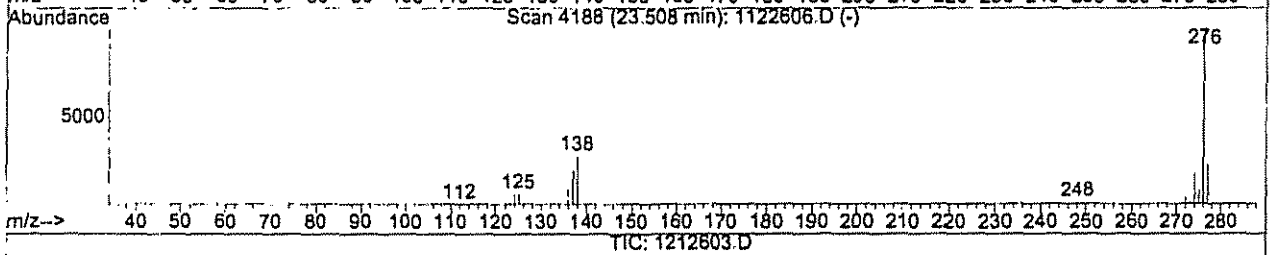
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212603.D Vial: 3
Acq On : 12 Dec 2005 10:15 am Operator: MRC
Sample : SVCAL01 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:28 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:26:32 2005
Response via : Multiple Level Calibration







TIC: 1212603.D

(98) Indeno(1,2,3-c,d)pyrene (TM)

23.35min 0.79ug/mL m

response 45196

Ion	Exp%	Act%
276.00	100	100
277.00	23.00	17.89#
0.00	0.00	0.00
0.00	0.00	0.00

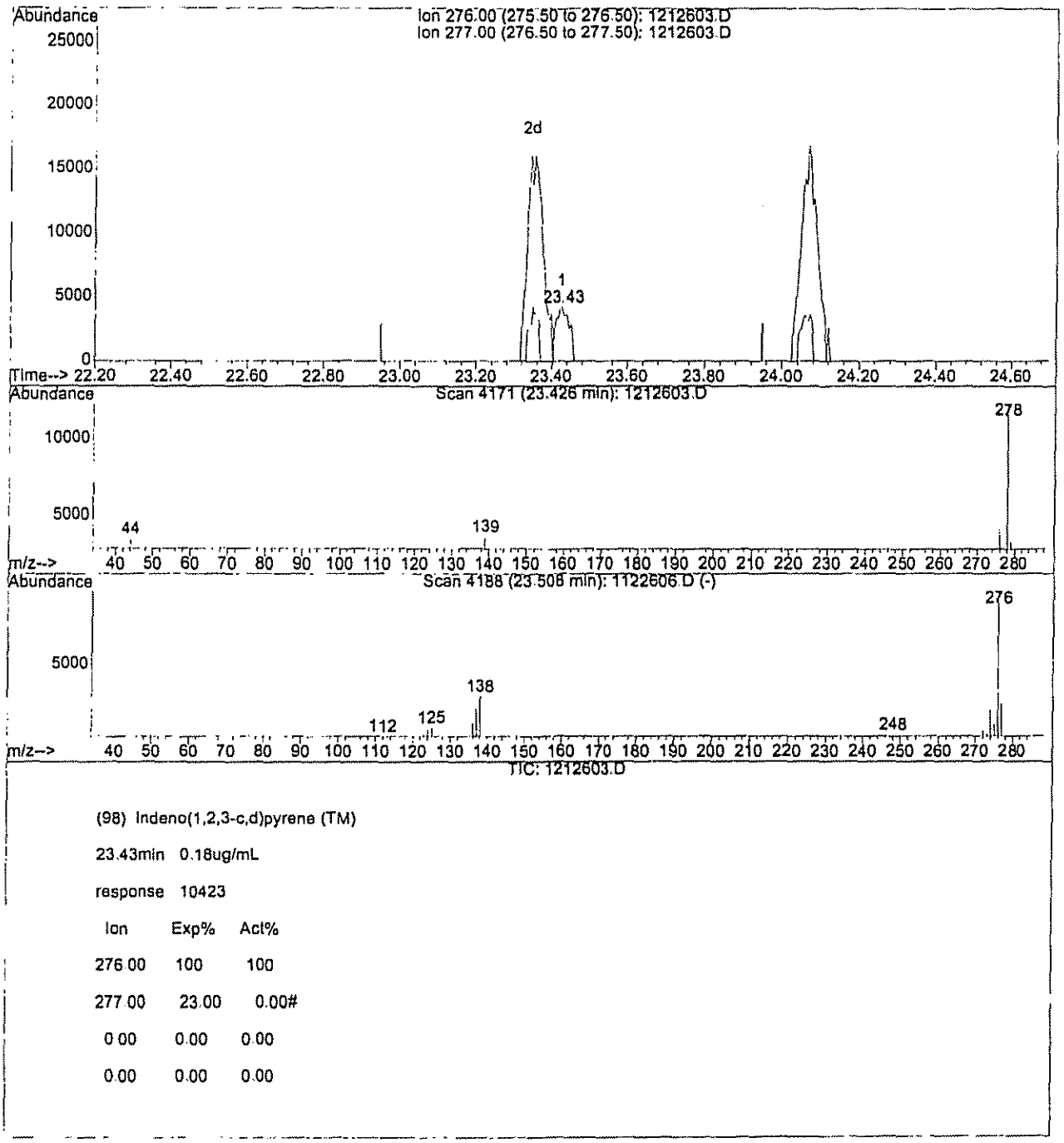
1212603.D 8270.M Mon Dec 12 11:28:12 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212603.D
Acq On : 12 Dec 2005 10:15 am
Sample : SVCAL01
Misc : (W17-A]
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:27 2005

Vial: 3
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:26:32 2005
Response via : Multiple Level Calibration



(98) Indeno(1,2,3-c,d)pyrene (TM)

23.43min 0.18ug/mL

response 10423

Ion	Exp%	Act%
276.00	100	100
277.00	23.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

1212603.D 8270.M Mon Dec 12 11:28:08 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212604.D Vial: 4
Acq On : 12 Dec 2005 11:31 am Operator: MRC
Sample : SVCAL02 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:33 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:28:24 2005
Response via : Initial Calibration
DataAcq Meth : 8270

pc 12-12-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.23	152	203808	4.00	ug/mL	0.00
18) Naphthalene-D8	9.16	136	832427	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.95	164	448931	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.34	188	672960	4.00	ug/mL	0.00
85) Chrysene-D12	18.60	240	505278	4.00	ug/mL	0.00
93) Perylene-D12	20.97	264	228647	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.43	112	138842m	2.08	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	20.80%	
17) Phenol-d6 (surr)	6.71	99	211703	2.09	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	20.90%	
32) Nitrobenzene-d5 (surr)	8.06	128	73845	2.07	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	20.70%	
53) 2-Fluorobiphenyl (surr)	10.89	172	307172	2.13	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	21.30%	
54) 2,4,6-Tribromophenol (surr	13.22	330	23940	2.08	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	20.80%	
92) 4-Terphenyl-d14 (surr)	16.94	244	277474	2.04	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	20.40%	
Target Compounds						Qvalue
2) Pyridine	3.90	79	175250m	3.81	ug/mL	
3) N-Nitrosodimethylamine	3.88	74	102167	2.70	ug/mL#	1
4) Phenol	6.73	94	222360	2.09	ug/mL	96
5) Bis(2-chloroethyl)ether	6.87	93	193389	2.19	ug/mL	97
6) 2-Chlorophenol	6.93	128	154108	2.04	ug/mL	98
7) Benzyl Alcohol	7.45	108	104789	2.06	ug/mL	98
8) 1,3-Dichlorobenzene	7.15	146	159659	2.06	ug/mL	99
9) 1,4-Dichlorobenzene	7.25	146	161228	2.03	ug/mL	97
10) 1,2-Dichlorobenzene	7.48	146	147400	2.09	ug/mL	96
11) 2-Methylphenol	7.61	107	131399	2.06	ug/mL	95
12) 3-, 4-Methylphenol	7.84	107	189191	2.06	ug/mL	98
13) Bis(2-chloroisopropyl)ethe	7.66	45	314999	2.23	ug/mL#	99
14) N-Nitrosodi-n-propylamine	7.85	70	107874	2.17	ug/mL	95
15) Hexachloroethane	7.98	117	60874	2.03	ug/mL	93
19) Nitrobenzene	8.09	77	202760	2.07	ug/mL	98
20) Isophorone	8.46	82	294044	2.08	ug/mL	98
21) 2-Nitrophenol	8.58	139	90185m	2.45	ug/mL	
22) 2,4-Dimethylphenol	8.66	122	113976	1.95	ug/mL	98
23) Benzoic Acid	8.77	122	69790	2.62	ug/mL#	100
24) Bis(2-chloroethoxy)methane	8.81	93	212587	2.13	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212604.D Vial: 4
Acq On : 12 Dec 2005 11:31 am Operator: MRC
Sample : SVCAL02) Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:33 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:28:24 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	8.94	162	109264	1.96 ug/mL	96
26) 1,2,4-Trichlorobenzene	9.08	180	127342	2.08 ug/mL	92
27) Naphthalene	9.19	128	433482	2.12 ug/mL	100
28) 4-Chloroaniline	9.19	127	53364	2.04 ug/mL	97
29) Hexachlorobutadiene	9.41	225	69186	1.98 ug/mL	93
30) 4-Chloro-3-methylphenol	10.07	107	135934	1.97 ug/mL	92
31) 2-Methylnaphthalene	10.29	142	295643	2.11 ug/mL	99
34) Hexachlorocyclopentadiene	10.56	237	25713	3.92 ug/mL#	85
35) 2,4,6-Trichlorophenol	10.75	196	85489	2.13 ug/mL	98
36) 2,4,5-Trichlorophenol	10.79	196	84587	2.08 ug/mL	95
37) 2-Chloronaphthalene	11.06	162	268193	2.11 ug/mL	97
38) 2-Nitroaniline	11.24	65	87183	2.11 ug/mL	96
39) 3-Nitroaniline	12.29	138	5678	1.83 ug/mL#	100
40) 1-Methylnaphthalene	10.44	142	272054	2.17 ug/mL	98
41) Dimethylphthalate	11.56	163	303970	2.07 ug/mL	99
42) Acenaphthylene	11.72	152	342948	2.30 ug/mL	99
43) 2,6-Dinitrotoluene	11.64	165	66638	2.12 ug/mL	91
44) Acenaphthene	12.00	153	244710	2.14 ug/mL	100
45) 2,4-Dinitrophenol	12.08	184	28976	2.48 ug/mL	92
46) 4-Nitrophenol	12.19	109	27637	2.01 ug/mL	95
47) Dibenzofuran	12.29	168	377935	2.18 ug/mL	100
48) 2,4-Dinitrotoluene	12.28	165	81742	2.12 ug/mL	96
49) Fluorene	12.83	166	285890	2.17 ug/mL	99
50) Diethylphthalate	12.70	149	279804	2.06 ug/mL	100
51) 4-Chlorophenyl phenyl ethe	12.86	204	141686	2.15 ug/mL	95
52) 4-Nitroaniline	12.89	138	15638	2.56 ug/mL#	29
56) 4,6-Dinitro-2-methylphenol	12.93	198	41834	2.31 ug/mL	97
57) Diphenylamine	13.05	169	137581	2.69 ug/mL	94
58) 4-bromophenyl phenyl ether	13.64	248	74101	2.05 ug/mL	95
59) Hexachlorobenzene	13.72	284	65927	1.94 ug/mL	93
60) Pentachlorophenol	14.05	266	38286	2.33 ug/mL	94
61) Phenanthrene	14.37	178	396304	2.11 ug/mL	99
62) Carbazole	14.73	167	295262	2.76 ug/mL	98
63) Anthracene	14.45	178	374356	2.13 ug/mL	98
64) Azobenzene	13.11	77	401345	2.07 ug/mL	99
65) Di-n-Butylphthalate	15.36	149	487012	2.09 ug/mL	99
66) Fluoranthene	16.29	202	426188	2.23 ug/mL	95
67) alpha-BHC	13.65	183	52657	1.98 ug/mL	93
68) beta-BHC	13.98	181	41238	1.87 ug/mL	100
69) gamma-BHC	14.13	183	44980	2.00 ug/mL	90
70) delta-BHC	14.50	183	39932	1.98 ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212604.D Vial: 4
Acq On : 12 Dec 2005 11:31 am Operator: MRC
Sample : SVCAL02 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:33 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:28:24 2005
Response via : Initial Calibration
DataAcq Meth : 8270

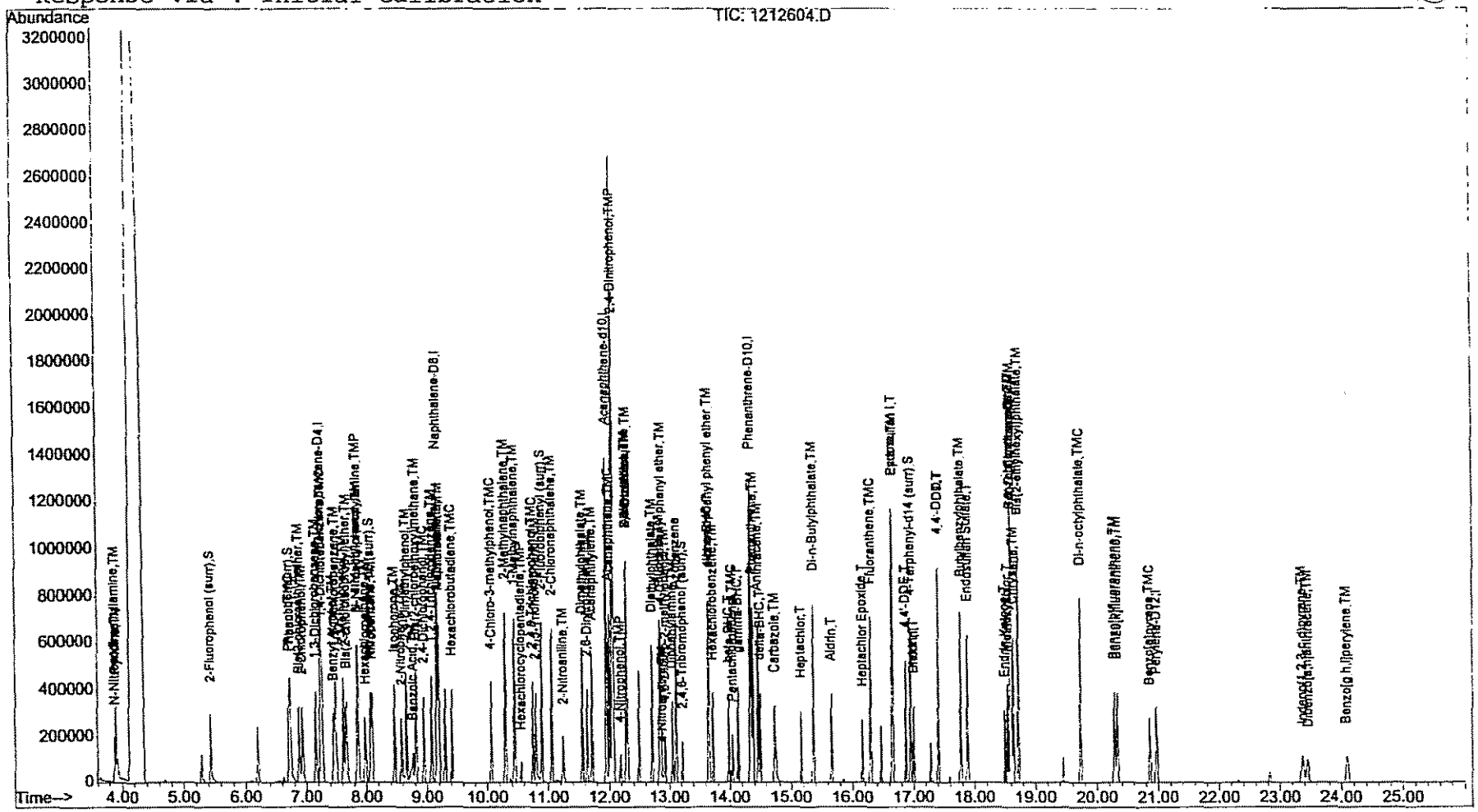
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.16	100	63138	2.28 ug/mL	96
72)	Aldrin	15.65	66	82760	2.16 ug/mL	95
73)	Heptachlor Epoxide	16.16	353	16404	1.97 ug/mL	97
74)	Endosulfan I	16.65	195	14830	2.01 ug/mL#	100
75)	4,4'-DDE	16.87	246	84576	2.04 ug/mL	100
76)	Dieldrin	17.00	79	98320	2.18 ug/mL#	88
77)	Endrin	17.00	263	11973	1.99 ug/mL#	37
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.40	235	155359	2.24 ug/mL#	100
80)	Endosulfan Sulfate	17.87	272	18560	2.49 ug/mL#	100
81)	4,4'-DDT	17.40	235	155359	2.24 ug/mL	99
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.50	317	13179	2.03 ug/mL#	58
84)	Methoxychlor	18.54	227	235217	2.34 ug/mL	99
86)	Pyrene	16.65	202	428061	2.12 ug/mL	100
87)	Butylbenzylphthalate	17.77	149	207893	2.04 ug/mL	96
88)	Benzo[a]anthracene	18.58	228	330037	2.07 ug/mL	98
89)	3,3'-Dichlorobenzidine	18.58	252	6724	0.40 ug/mL#	91
90)	Chrysene	18.63	228	309921	2.04 ug/mL	95
91)	Bis(2-ethylhexyl)phthalate	18.72	149	294574	2.01 ug/mL	100
94)	Di-n-octylphthalate	19.72	149	493510	2.19 ug/mL	100
95)	Benzo[b]fluoranthene	20.28	252	268423	2.00 ug/mL	96
96)	Benzo[k]fluoranthene	20.32	252	269871	2.11 ug/mL	97
97)	Benzo[a]pyrene	20.86	252	215631	1.94 ug/mL	96
98)	Indeno(1,2,3-c,d)pyrene	23.36	276	135181	1.74 ug/mL#	81
99)	Dibenzo[a,h]anthracene	23.43	278	123779	1.70 ug/mL#	94
100)	Benzo[g,h,i]perylene	24.08	276	146181	1.87 ug/mL#	94

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212604.D Vial: 4
Acq On : 12 Dec 2005 11:31 am Operator: MRC
Sample : SVCAL02 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:33 2005 Quant Results File: 8270.RES

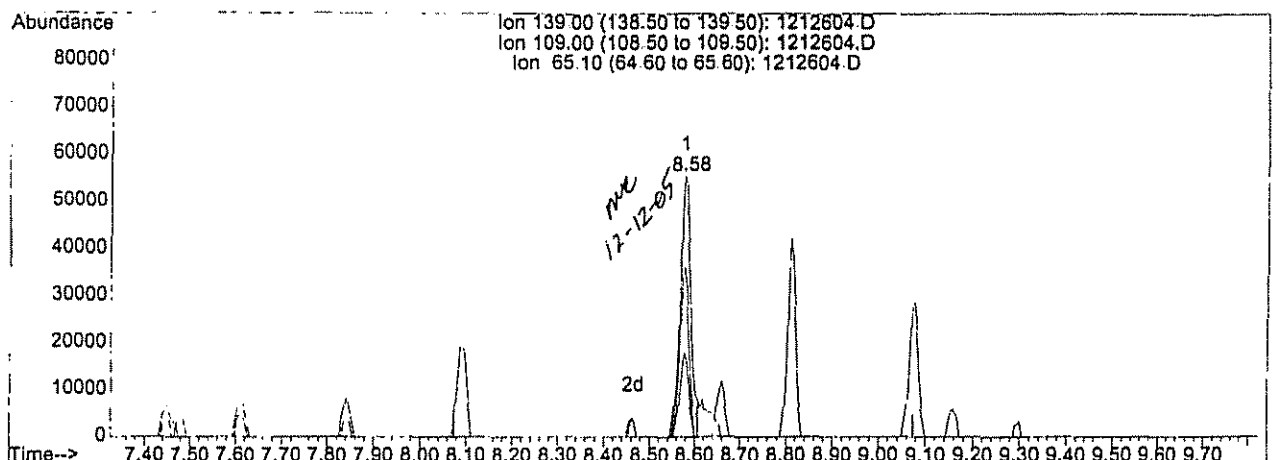
Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration

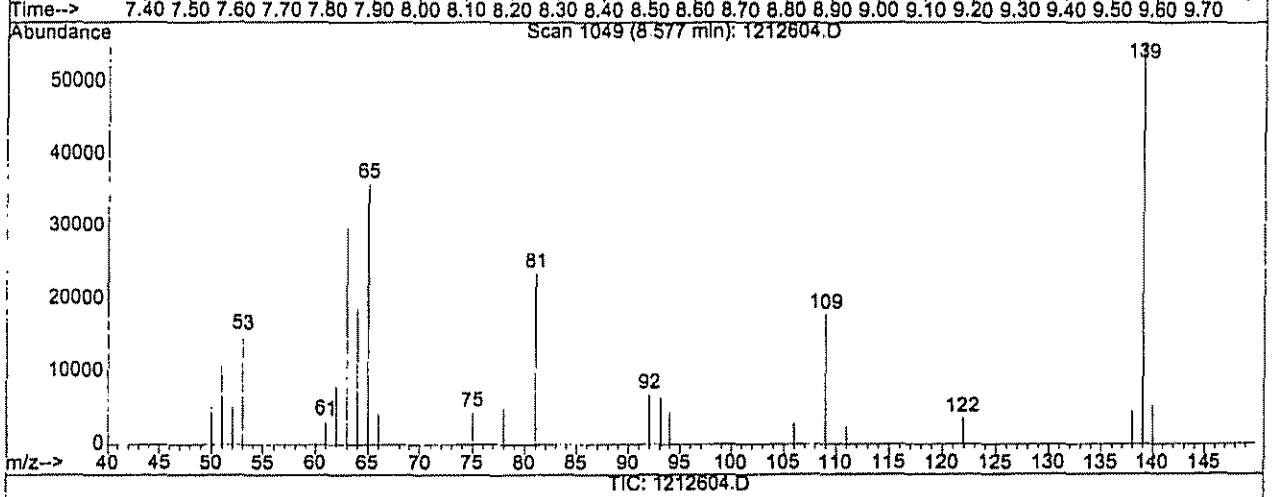


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212604.D Vial: 4
Acq On : 12 Dec 2005 11:31 am Operator: MRC
Sample : SVCAL02 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:33 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:28:24 2005
Response via : Multiple Level Calibration





(21) 2-Nitrophenol (TMC)

8.58min 2.45ug/mL m

response 90185

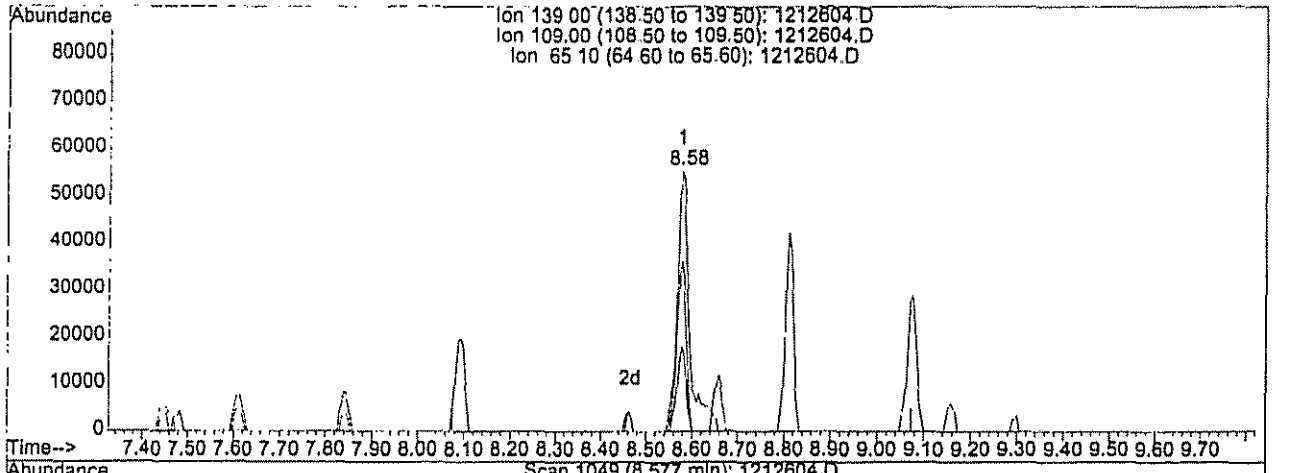
Ion	Exp%	Act%
139.00	100	100
109.00	28.00	32.48
65.10	61.10	65.38
0.00	0.00	0.00

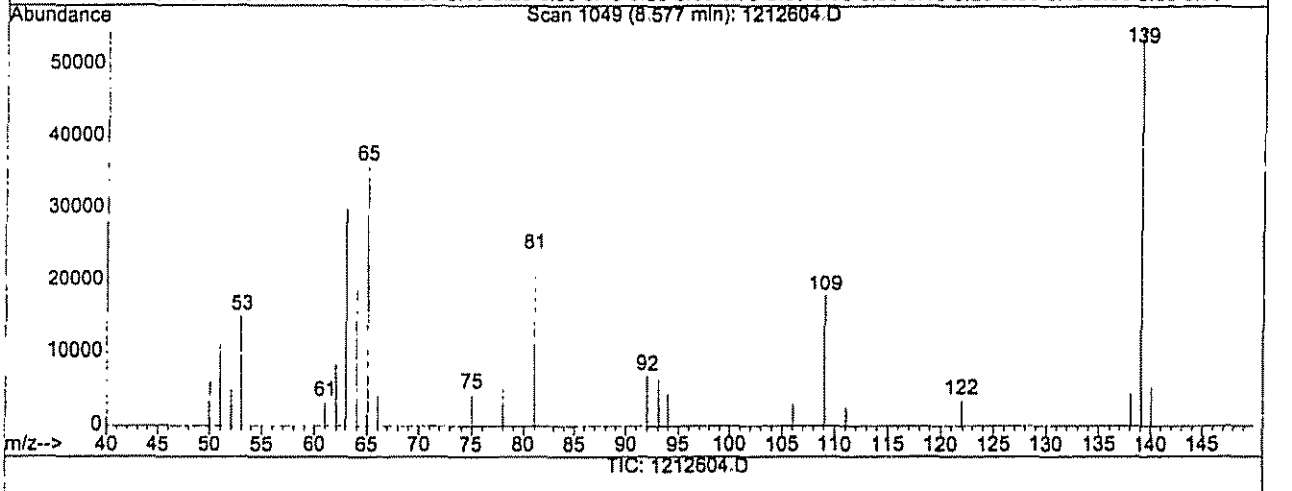
1212604.D 8270.M Mon Dec 12 15:33:35 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212604.D Vial: 4
Acq On : 12 Dec 2005 11:31 am Operator: MRC
Sample) : SVCAL02 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:33 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:28:24 2005
Response via : Multiple Level Calibration





TIC: 1212604.D

(21) 2-Nitrophenol (TMC)

8.58min 2.84ug/mL

response 104573

Ion	Exp%	Act%
139.00	100	100
109.00	28.00	32.48
65.10	61.10	65.38
0.00	0.00	0.00

1212604.D 8270.M Mon Dec 12 15:33:30 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212605.D
Acq On : 12 Dec 2005 12:07 pm
Sample : SVCAL04
Misc : (W17-A]
MS Integration Params: LSCINT.P
Quant Time: Dec 12 16:35 2005

Vial: 5
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:34:21 2005
Response via : Initial Calibration
DataAcq Meth : 8270

pl 12.12.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.24	152	202849	4.00	ug/mL	0.00
18) Naphthalene-D8	9.16	136	838344	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.95	164	453629	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.34	188	676742	4.00	ug/mL	0.00
85) Chrysene-D12	18.60	240	503775	4.00	ug/mL	0.00
93) Perylene-D12	20.97	264	226392	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.44	112	269159	4.02	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	40.20%	
17) Phenol-d6 (surr)	6.71	99	405864	3.99	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	39.90%	
32) Nitrobenzene-d5 (surr)	8.07	128	143300	3.99	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	39.90%	
53) 2-Fluorobiphenyl (surr)	10.89	172	589777	4.06	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	40.60%	
54) 2,4,6-Tribromophenol (surr	13.22	330	48791	4.10	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	41.00%	
92) 4-Terphenyl-d14 (surr)	16.95	244	532647	3.92	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	39.20%	

Target Compounds						Qvalue
2) Pyridine	3.90	79	371026m	6.62	ug/mL	
3) N-Nitrosodimethylamine	3.89	74	211854	5.15	ug/mL	97
4) Phenol	6.73	94	428904	4.04	ug/mL	99
5) Bis(2-chloroethyl)ether	6.87	93	371416	4.18	ug/mL	97
6) 2-Chlorophenol	6.93	128	297510	3.94	ug/mL	96
7) Benzyl Alcohol	7.45	108	209984	4.14	ug/mL	99
8) 1,3-Dichlorobenzene	7.16	146	305284	3.96	ug/mL	99
9) 1,4-Dichlorobenzene	7.26	146	313062	3.98	ug/mL	97
10) 1,2-Dichlorobenzene	7.48	146	283539	4.04	ug/mL	99
11) 2-Methylphenol	7.62	107	253868	4.00	ug/mL	96
12) 3-, 4-Methylphenol	7.85	107	367636	4.03	ug/mL	97
13) Bis(2-chloroisopropyl)ethe	7.67	45	603796	4.24	ug/mL	99
14) N-Nitrosodi-n-propylamine	7.86	70	207621	4.17	ug/mL	99
15) Hexachloroethane	7.98	117	119509	4.03	ug/mL	94
19) Nitrobenzene	8.10	77	394137	4.00	ug/mL	98
20) Isophorone	8.46	82	568301	3.98	ug/mL	98
21) 2-Nitrophenol	8.58	139	157677	4.10	ug/mL	99
22) 2,4-Dimethylphenol	8.66	122	222156	3.81	ug/mL	98
23) Benzoic Acid	8.80	122	141028	4.59	ug/mL	97
24) Bis(2-chloroethoxy)methane	8.81	93	406669	4.04	ug/mL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212605.D
Acq On : 12 Dec 2005 12:07 pm
Sample): SVCAL04
Misc : (W17-A]
MS Integration Params: LSCINT.P
Quant Time: Dec 12 16:35 2005

Vial: 5
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:34:21 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) 2,4-Dichlorophenol	8.95	162	218803	3.91	ug/mL	97
26) 1,2,4-Trichlorobenzene	9.08	180	244782	3.98	ug/mL	100
27) Naphthalene	9.20	128	835498	4.06	ug/mL	100
28) 4-Chloroaniline	9.20	127	106190	4.05	ug/mL	98
29) Hexachlorobutadiene	9.41	225	133041	3.81	ug/mL	97
30) 4-Chloro-3-methylphenol	10.07	107	267847	3.87	ug/mL	100
31) 2-Methylnaphthalene	10.29	142	572306	4.07	ug/mL	95
34) Hexachlorocyclopentadiene	10.56	237	49385	6.03	ug/mL	89
35) 2,4,6-Trichlorophenol	10.75	196	162976	3.99	ug/mL	99
36) 2,4,5-Trichlorophenol	10.80	196	166776	4.04	ug/mL	96
37) 2-Chloronaphthalene	11.06	162	514291	4.03	ug/mL	99
38) 2-Nitroaniline	11.25	65	159029	3.83	ug/mL	98
39) 3-Nitroaniline	12.29	138	10807	3.55	ug/mL#	91
40) 1-Methylnaphthalene	10.45	142	519959	4.11	ug/mL	98
41) Dimethylphthalate	11.57	163	590435	4.00	ug/mL	100
42) Acenaphthylene	11.72	152	649930	4.32	ug/mL	99
43) 2,6-Dinitrotoluene	11.64	165	130088	4.07	ug/mL	97
44) Acenaphthene	12.01	153	471455	4.09	ug/mL	97
45) 2,4-Dinitrophenol	12.08	184	57442	4.57	ug/mL	91
46) 4-Nitrophenol	12.19	109	60469	4.15	ug/mL	99
47) Dibenzofuran	12.29	168	724171	4.15	ug/mL	99
48) 2,4-Dinitrotoluene	12.29	165	159364	4.12	ug/mL#	96
49) Fluorene	12.84	166	554251	4.18	ug/mL	98
50) Diethylphthalate	12.71	149	537788	3.98	ug/mL	99
51) 4-Chlorophenyl phenyl ethe	12.86	204	271622	4.09	ug/mL	94
52) 4-Nitroaniline	12.90	138	38144	5.54	ug/mL#	88
56) 4,6-Dinitro-2-methylphenol	12.93	198	83254	4.33	ug/mL	92
57) Diphenylamine	13.05	169	229644m	4.34	ug/mL	
58) 4-bromophenyl phenyl ether	13.65	248	147155	4.09	ug/mL	95
59) Hexachlorobenzene	13.72	284	129093	3.80	ug/mL	99
60) Pentachlorophenol	14.05	266	79301	4.71	ug/mL	87
61) Phenanthrene	14.38	178	764974	4.07	ug/mL	99
62) Carbazole	14.74	167	567285	5.29	ug/mL	98
63) Anthracene	14.46	178	714205	4.04	ug/mL	100
64) Azobenzene	13.11	77	779149	4.01	ug/mL	99
65) Di-n-Butylphthalate	15.36	149	930115	3.97	ug/mL	99
66) Fluoranthene	16.30	202	821095	4.24	ug/mL	100
67) alpha-BHC	13.66	183	101289	3.84	ug/mL	98
68) beta-BHC	13.99	181	82360	3.76	ug/mL	99
69) gamma-BHC	14.14	183	86015	3.83	ug/mL	100
70) delta-BHC	14.50	183	77283	3.84	ug/mL	97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212605.D Vial: 5
Acq On : 12 Dec 2005 12:07 pm Operator: MRC
Sample : SVCAL04 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 16:35 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:34:21 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Heptachlor	15.16	100	122920	4.33	ug/mL	96
72)	Aldrin	15.66	66	154792	4.01	ug/mL	99
73)	Heptachlor Epoxide	16.17	353	32164	3.83	ug/mL	100
74)	Endosulfan I	16.66	195	29396	3.95	ug/mL#	100
75)	4,4'-DDE	16.87	246	160182	3.86	ug/mL	99
76)	Dieldrin	17.00	79	185302	4.08	ug/mL	98
77)	Endrin	17.00	263	24098	3.97	ug/mL	97
78)	Endosulfan II	0.00	30	0	N.D.		
79)	4,4'-DDD	17.40	235	294734	4.21	ug/mL#	100
80)	Endosulfan Sulfate	17.88	272	36177	4.71	ug/mL#	85
81)	4,4'-DDT	17.40	235	294734	4.21	ug/mL	97
82)	Endrin Aldehyde	0.00	30	0	N.D.		
83)	Endrin Ketone	18.50	317	26593	4.06	ug/mL	93
84)	Methoxychlor	18.54	227	462650	4.42	ug/mL	100
86)	Pyrene	16.65	202	809023	4.03	ug/mL	96
87)	Butylbenzylphthalate	17.77	149	399364	3.93	ug/mL	98
88)	Benzo[a]anthracene	18.58	228	627177	3.93	ug/mL	97
89)	3,3'-Dichlorobenzidine	18.58	252	12989	0.85	ug/mL#	98
90)	Chrysene	18.64	228	610707	4.04	ug/mL	98
91)	Bis(2-ethylhexyl)phthalate	18.72	149	567304	3.89	ug/mL	99
94)	Di-n-octylphthalate	19.72	149	954318	4.24	ug/mL	100
95)	Benzo[b]fluoranthene	20.29	252	544122	4.07	ug/mL	99
96)	Benzo[k]fluoranthene	20.33	252	505947	3.99	ug/mL	97
97)	Benzo[a]pyrene	20.87	252	419531	3.81	ug/mL	97
98)	Indeno(1,2,3-c,d)pyrene	23.37	276	251160	3.28	ug/mL	92
99)	Dibenzo[a,h]anthracene	23.44	278	236038	3.30	ug/mL	95
100)	Benzo[g,h,i]perylene	24.09	276	267296	3.44	ug/mL	99

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

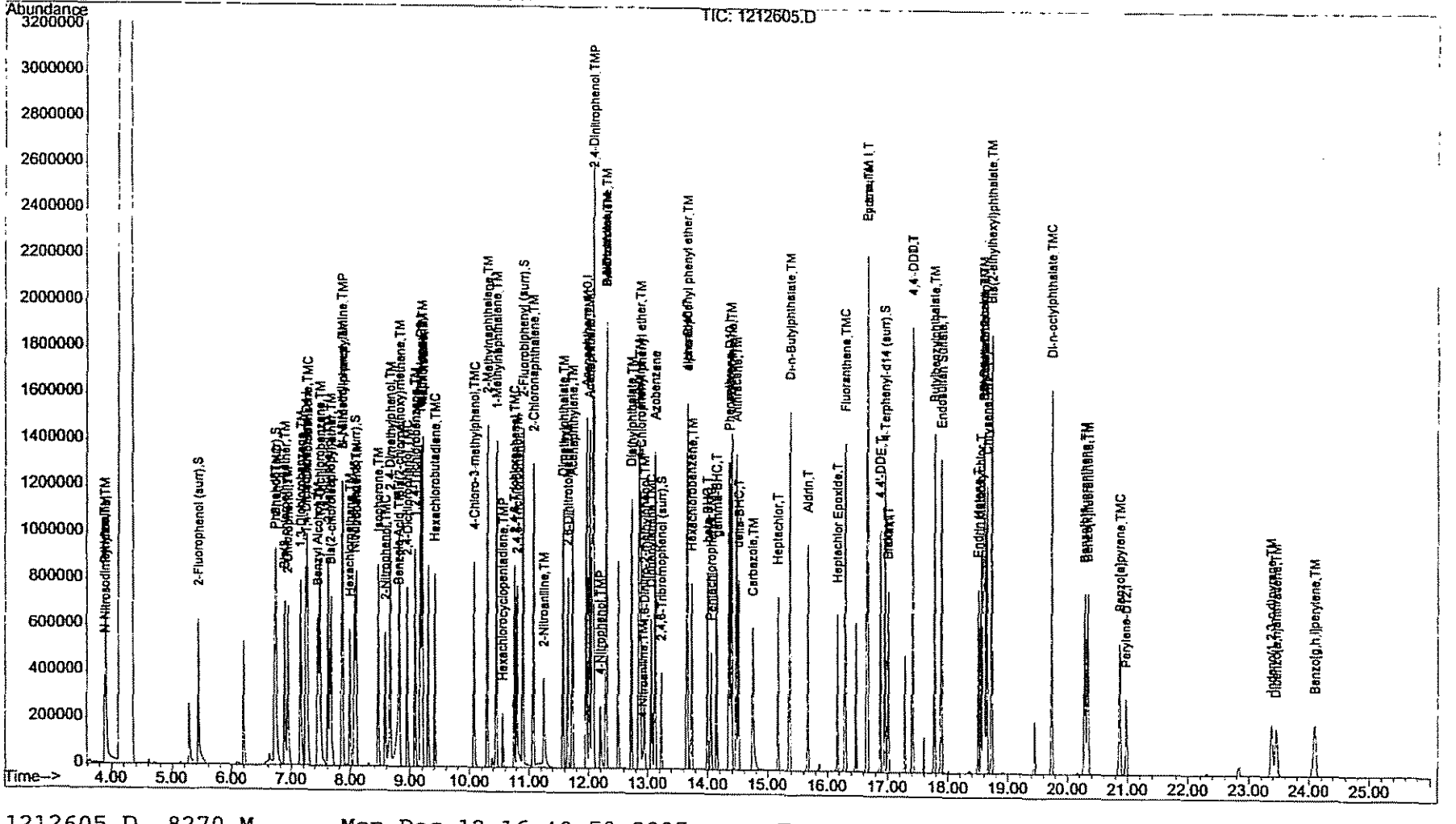
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212605.D
Acq On : 12 Dec 2005 12:07 pm
Sample : SVCAL04
Misc : (W17-A]
MS Integration Params: LSCINT.P
Quant Time: Dec 12 16:35 2005

Vial: 5
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration

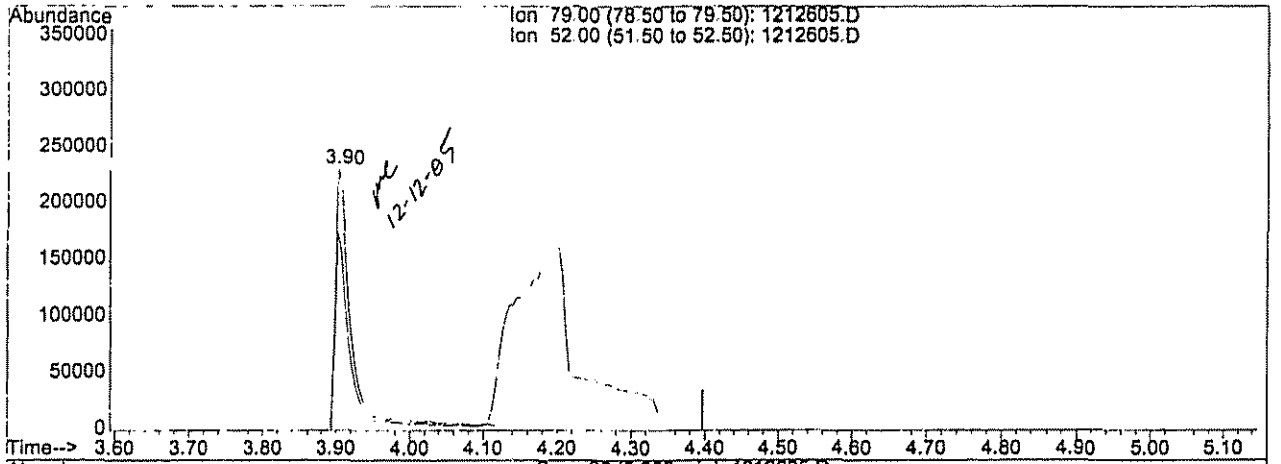


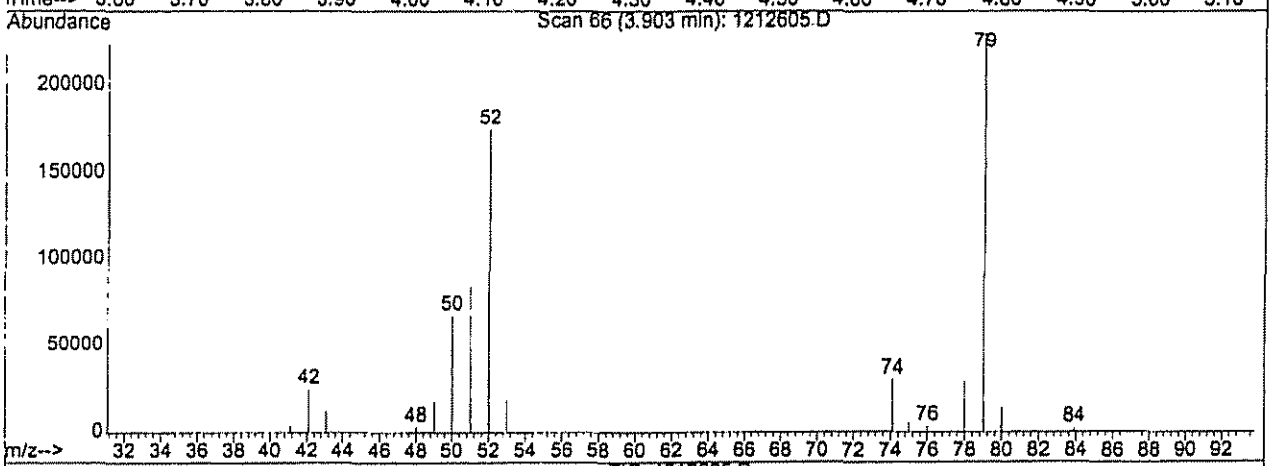
1212605.D 8270.M Mon Dec 12 16:40:58 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212605.D Vial: 5
Acq On : 12 Dec 2005 12:07 pm Operator: MRC
Sample : SVCAL04 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:34 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:34:21 2005
Response via : Multiple Level Calibration





TIC: 1212605.D

(2) Pyridine (TM)

3.90min 6.62ug/mL m

response 371026

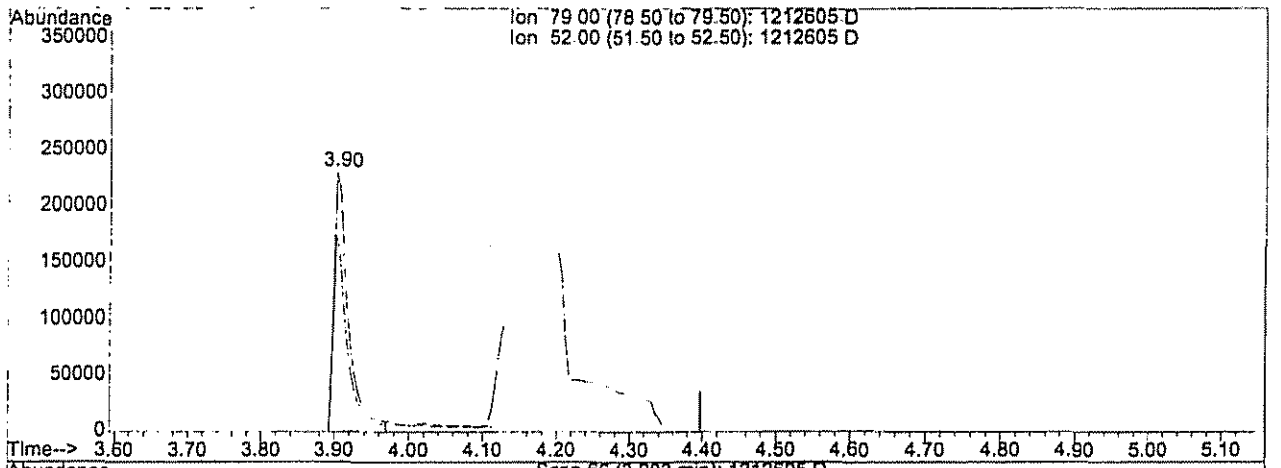
Ion	Exp%	Act%
79.00	100	100
52.00	60.00	61.37
0.00	0.00	0.00
0.00	0.00	0.00

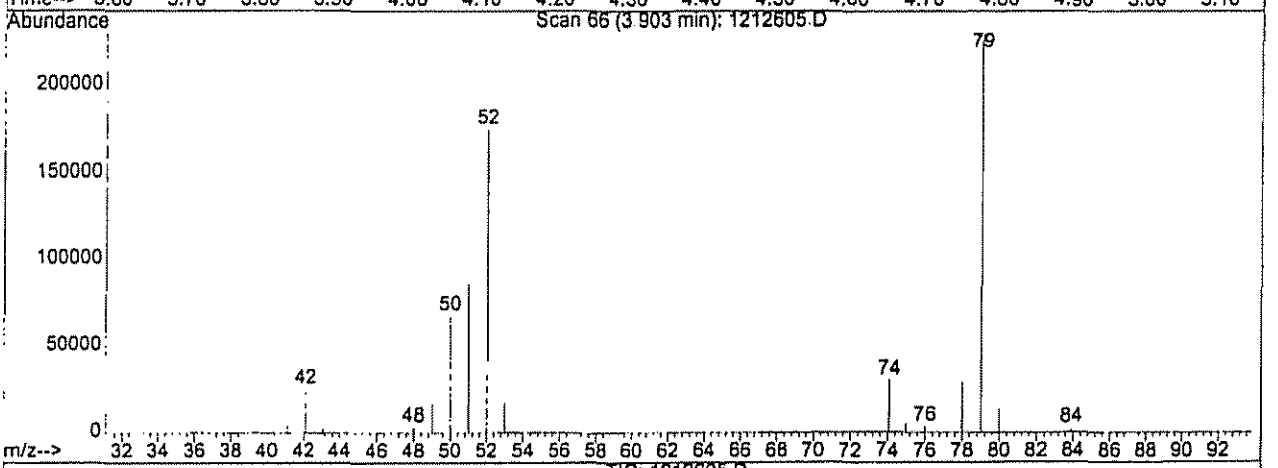
1212605.D 8270.M Mon Dec 12 15:34:40 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212605.D Vial: 5
Acq On : 12 Dec 2005 12:07 pm Operator: MRC
Sample : SVCAL04 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:34 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:34:21 2005
Response via : Multiple Level Calibration





TIC: 1212605.D

(2) Pyridine (TM)

3.90min 5.51ug/mL

response 308590

Ion	Exp%	Act%
79.00	100	100
52.00	60.00	73.79#
0.00	0.00	0.00
0.00	0.00	0.00

1212605.D 8270.M Mon Dec 12 15:34:37 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212606.D Vial: 6
Acq On : 12 Dec 2005 2:14 pm Operator: MRC
Sample : SVCAL06 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 16:36 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:28:24 2005
Response via : Initial Calibration
DataAcq Meth : 8270

12-12-05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.23	152	180879	4.00 ug/mL	0.00
18) Naphthalene-D8	9.16	136	751649	4.00 ug/mL	0.00
33) Acenaphthene-d10	11.95	164	403717	4.00 ug/mL	0.00
55) Phenanthrene-D10	14.34	188	579409	4.00 ug/mL	0.00
85) Chrysene-D12	18.60	240	411430	4.00 ug/mL	0.00
93) Perylene-D12	20.97	264	185289	4.00 ug/mL	0.00
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	5.43	112	388936	6.56 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 65.60%	
17) Phenol-d6 (surr)	6.71	99	582456	6.47 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 64.70%	
32) Nitrobenzene-d5 (surr)	8.06	128	208963	6.50 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 65.00%	
53) 2-Fluorobiphenyl (surr)	10.89	172	850436	6.55 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 65.50%	
54) 2,4,6-Tribromophenol (surr	13.22	330	70239	6.79 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 67.90%	
92) 4-Terphenyl-d14 (surr)	16.94	244	725640	6.54 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 65.40%	

Target Compounds					Qvalue
2) Pyridine	3.89	79	528740m	12.96 ug/mL	
3) N-Nitrosodimethylamine	3.88	74	311802	9.30 ug/mL#	1
4) Phenol	6.73	94	606527	6.43 ug/mL	96
5) Bis(2-chloroethyl)ether	6.87	93	522293m	6.67 ug/mL	
6) 2-Chlorophenol	6.93	128	431724	6.44 ug/mL	95
7) Benzyl Alcohol	7.45	108	303510m	6.73 ug/mL	
8) 1,3-Dichlorobenzene	7.15	146	443750	6.45 ug/mL	98
9) 1,4-Dichlorobenzene	7.25	146	453368	6.44 ug/mL	98
10) 1,2-Dichlorobenzene	7.48	146	408204	6.52 ug/mL	99
11) 2-Methylphenol	7.61	107	371455	6.57 ug/mL	92
12) 3-, 4-Methylphenol	7.85	107	514514	6.32 ug/mL	95
13) Bis(2-chloroisopropyl)ethe	7.66	45	878403	7.00 ug/mL	99
14) N-Nitrosodi-n-propylamine	7.86	70	290033	6.56 ug/mL	96
15) Hexachloroethane	7.98	117	173336	6.53 ug/mL	92
19) Nitrobenzene	8.09	77	568903	6.42 ug/mL	98
20) Isophorone	8.46	82	825939	6.46 ug/mL	98
21) 2-Nitrophenol	8.58	139	217605	6.55 ug/mL	89
22) 2,4-Dimethylphenol	8.66	122	316836	6.00 ug/mL	96
23) Benzoic Acid	8.82	122	202933m	8.42 ug/mL	
24) Bis(2-chloroethoxy)methane	8.81	93	578896	6.42 ug/mL#	98

(#) = qualifier out of range (m) = manual integration
1212606.D 8270.M Mon Dec 12 16:41:05 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212606.D
Acq On : 12 Dec 2005 2:14 pm
Sample : SVCAL06
Misc : (W17-A]
MS Integration Params: LSCINT.P
Quant Time: Dec 12 16:36 2005

Vial: 6
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:28:24 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) 2,4-Dichlorophenol	8.94	162	315022	6.26	ug/mL	97
26) 1,2,4-Trichlorobenzene	9.07	180	357640	6.47	ug/mL	91
27) Naphthalene	9.19	128	1196164	6.47	ug/mL	99
28) 4-Chloroaniline	9.19	127	150439	6.36	ug/mL	91
29) Hexachlorobutadiene	9.41	225	195757	6.20	ug/mL	96
30) 4-Chloro-3-methylphenol	10.07	107	391064	6.28	ug/mL	94
31) 2-Methylnaphthalene	10.29	142	833165	6.58	ug/mL	97
34) Hexachlorocyclopentadiene	10.55	237	71225	12.07	ug/mL#	92
35) 2,4,6-Trichlorophenol	10.74	196	231531	6.40	ug/mL	96
36) 2,4,5-Trichlorophenol	10.79	196	234899	6.42	ug/mL	96
37) 2-Chloronaphthalene	11.06	162	753214	6.59	ug/mL	98
38) 2-Nitroaniline	11.24	65	222426	5.99	ug/mL	99
39) 3-Nitroaniline	12.28	138	15837	5.69	ug/mL#	100
40) 1-Methylnaphthalene	10.44	142	756853	6.72	ug/mL	97
41) Dimethylphthalate	11.57	163	846337	6.40	ug/mL	99
42) Acenaphthylene	11.72	152	936622	6.98	ug/mL	99
43) 2,6-Dinitrotoluene	11.64	165	187886	6.64	ug/mL	92
44) Acenaphthene	12.00	153	679972	6.61	ug/mL	96
45) 2,4-Dinitrophenol	12.08	184	84389	8.03	ug/mL	86
46) 4-Nitrophenol	12.19	109	85065	6.89	ug/mL	96
47) Dibenzofuran	12.28	168	1013853	6.51	ug/mL	99
48) 2,4-Dinitrotoluene	12.28	165	223621	6.46	ug/mL#	96
49) Fluorene	12.84	166	786818	6.64	ug/mL	99
50) Diethylphthalate	12.71	149	776606	6.36	ug/mL	100
51) 4-Chlorophenyl phenyl ethe	12.86	204	396090	6.68	ug/mL	94
52) 4-Nitroaniline	12.90	138	52660	9.57	ug/mL#	1
56) 4,6-Dinitro-2-methylphenol	12.93	198	119929	7.69	ug/mL	98
57) Diphenylamine	13.05	169	322469m	7.33	ug/mL	
58) 4-bromophenyl phenyl ether	13.64	248	207513	6.67	ug/mL	92
59) Hexachlorobenzene	13.72	284	191784	6.56	ug/mL	97
60) Pentachlorophenol	14.04	266	117265	8.30	ug/mL	92
61) Phenanthrene	14.38	178	1038482	6.44	ug/mL	99
62) Carbazole	14.74	167	710014	7.70	ug/mL	94
63) Anthracene	14.46	178	982178	6.50	ug/mL	99
64) Azobenzene	13.11	77	1091077	6.53	ug/mL	99
65) Di-n-Butylphthalate	15.36	149	1336878	6.66	ug/mL	99
66) Fluoranthene	16.29	202	1099632	6.68	ug/mL	98
67) alpha-BHC	13.65	183	147086	6.43	ug/mL	94
68) beta-BHC	13.99	181	120549	6.35	ug/mL	100
69) gamma-BHC	14.13	183	123393	6.38	ug/mL	90
70) delta-BHC	14.50	183	111339	6.41	ug/mL	96

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212606.D Vial: 6
Acq On : 12 Dec 2005 2:14 pm Operator: MRC
Sample : SVCAL06 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 16:36 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 11:28:24 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Heptachlor	15.16	100	180443	7.58	ug/mL	98
72)	Aldrin	15.66	66	221690	6.72	ug/mL	91
73)	Heptachlor Epoxide	16.16	353	48087	6.69	ug/mL	100
74)	Endosulfan I	16.65	195	42439	6.68	ug/mL#	100
75)	4,4'-DDE	16.87	246	229785	6.45	ug/mL	98
76)	Dieldrin	17.00	79	258760	6.68	ug/mL#	84
77)	Endrin	17.00	263	35006	6.74	ug/mL#	31
78)	Endosulfan II	0.00	30	0	N.D.		
79)	4,4'-DDD	17.40	235	416809	6.99	ug/mL#	100
80)	Endosulfan Sulfate	17.88	272	52174	8.13	ug/mL#	100
81)	4,4'-DDT	17.40	235	416809	6.99	ug/mL	99
82)	Endrin Aldehyde	0.00	30	0	N.D.		
83)	Endrin Ketone	18.50	317	41061	7.33	ug/mL#	56
84)	Methoxychlor	18.54	227	642403	7.41	ug/mL	100
86)	Pyrene	16.65	202	1085022	6.61	ug/mL	95
87)	Butylbenzylphthalate	17.77	149	549945	6.64	ug/mL	96
88)	Benzo[a]anthracene	18.58	228	838505	6.45	ug/mL	97
89)	3,3'-Dichlorobenzidine	18.59	252	21844	1.61	ug/mL#	79
90)	Chrysene	18.64	228	795963	6.44	ug/mL	98
91)	Bis(2-ethylhexyl)phthalate	18.72	149	778700	6.52	ug/mL	98
94)	Di-n-octylphthalate	19.72	149	1301543	7.13	ug/mL	100
95)	Benzo[b]fluoranthene	20.28	252	727234	6.68	ug/mL	95
96)	Benzo[k]fluoranthene	20.33	252	681207	6.58	ug/mL	99
97)	Benzo[a]pyrene	20.86	252	573833	6.38	ug/mL	94
98)	Indeno(1,2,3-c,d)pyrene	23.37	276	358467	5.69	ug/mL#	91
99)	Dibenzo[a,h]anthracene	23.45	278	335415	5.69	ug/mL#	93
100)	Benzo[g,h,i]perylene	24.09	276	380375	6.01	ug/mL#	97

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

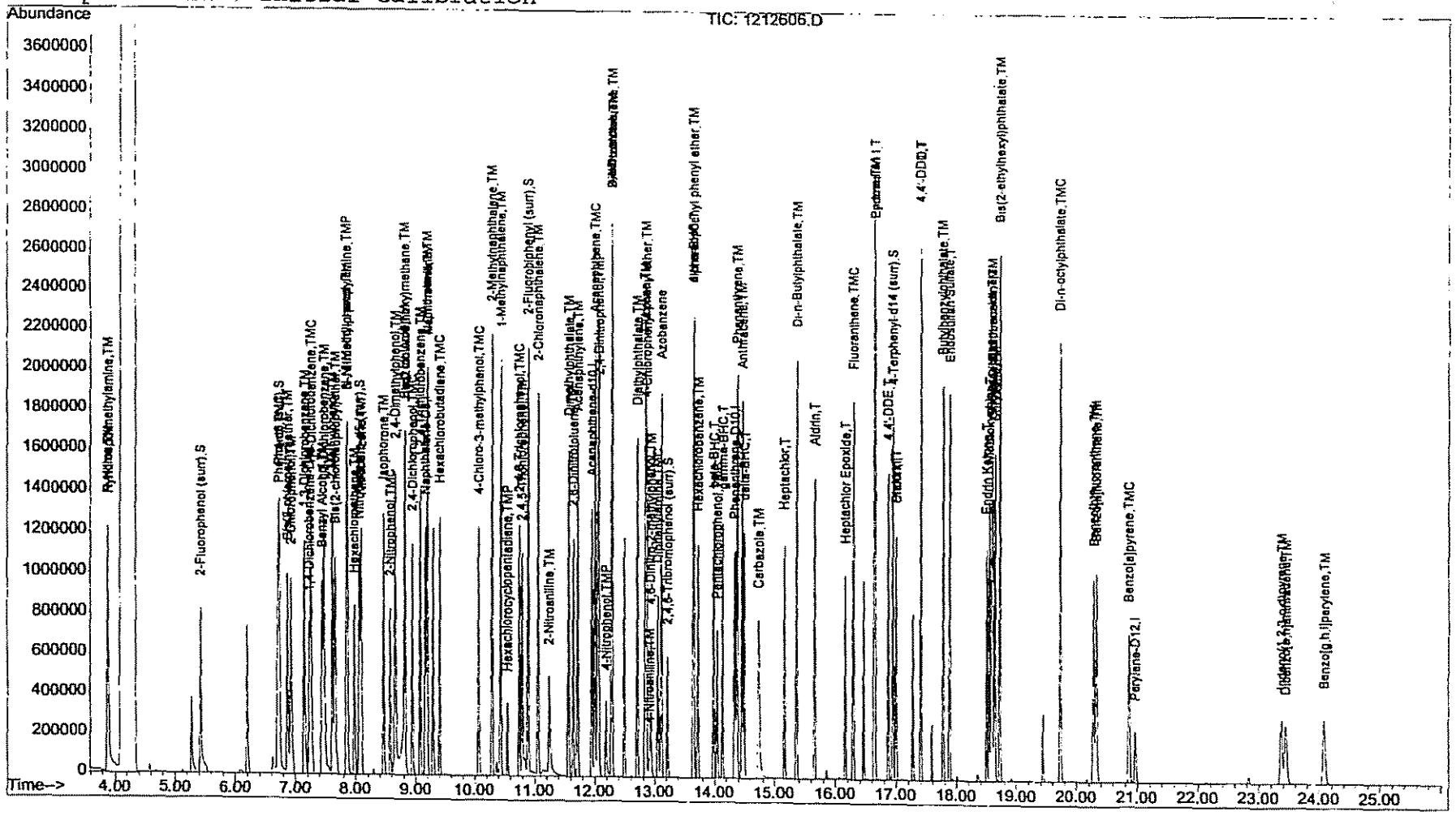
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212606.D
Acq On : 12 Dec 2005 2:14 pm
Sample : SVCAL06
Misc : (W17-A]
MS Integration Params: LSCINT.P
Quant Time: Dec 12 16:36 2005

Vial: 6
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

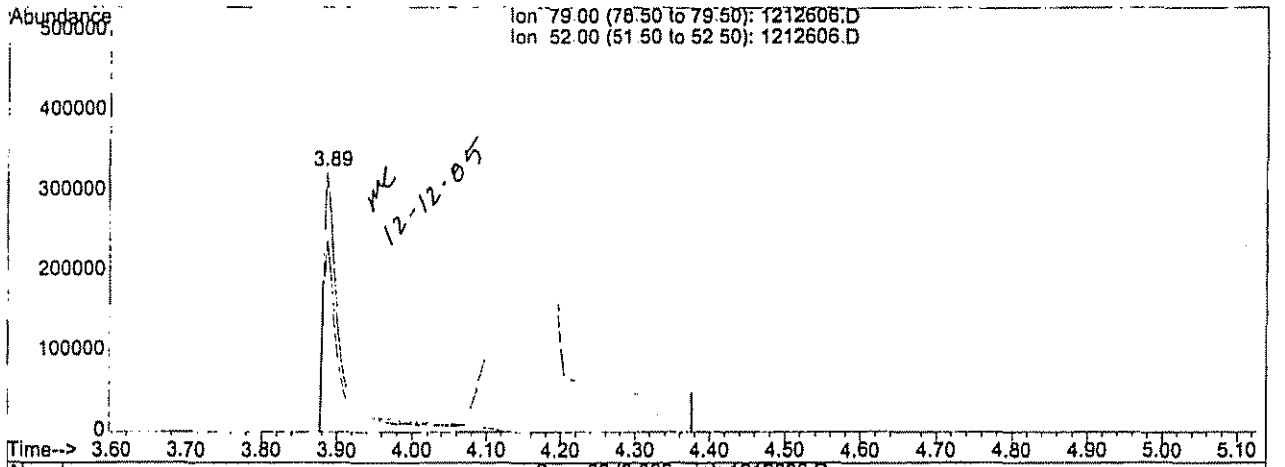
Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration

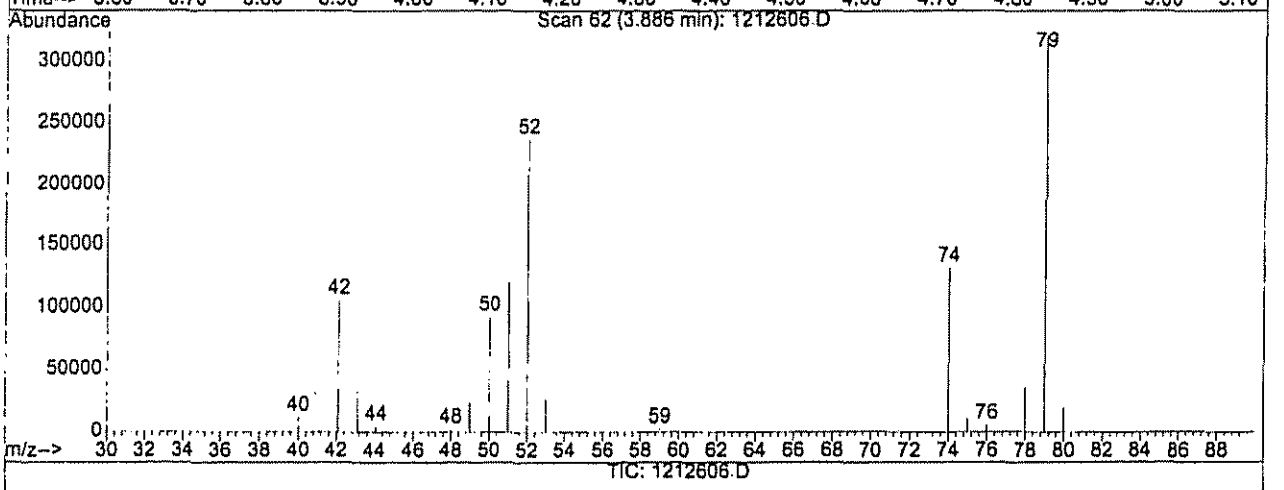


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212606.D Vial: 6
Acq On : 12 Dec 2005 2:14 pm Operator: MRC
Sample : SVCAL06 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:36 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:35:46 2005
Response via : Multiple Level Calibration





TIC: 1212606.D

(2) Pyridine (TM)

3.89min 12.96ug/mL m

response 528740

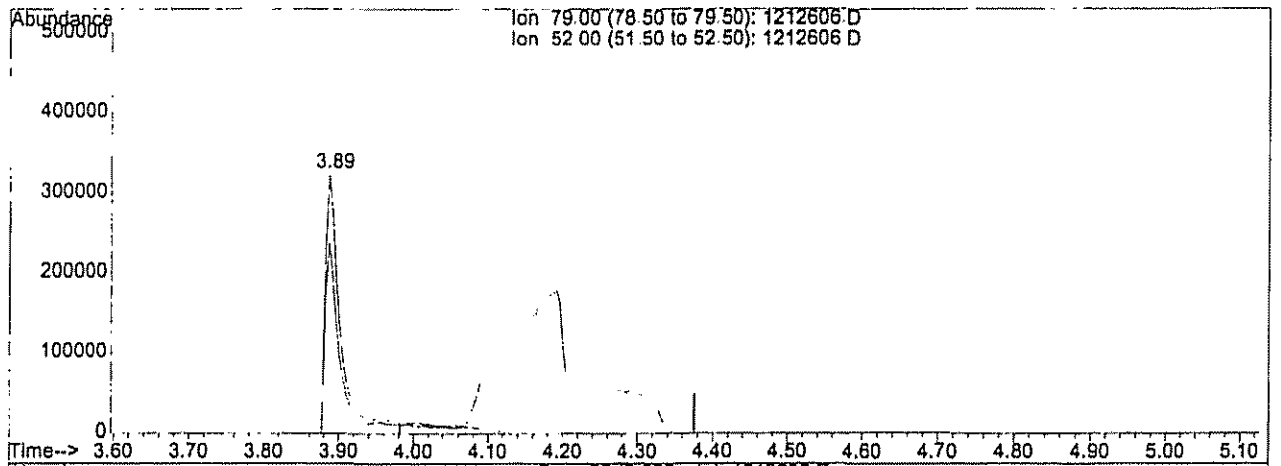
Ion	Exp%	Act%
79.00	100	100
52.00	0.00	58.12#
0.00	0.00	0.00
0.00	0.00	0.00

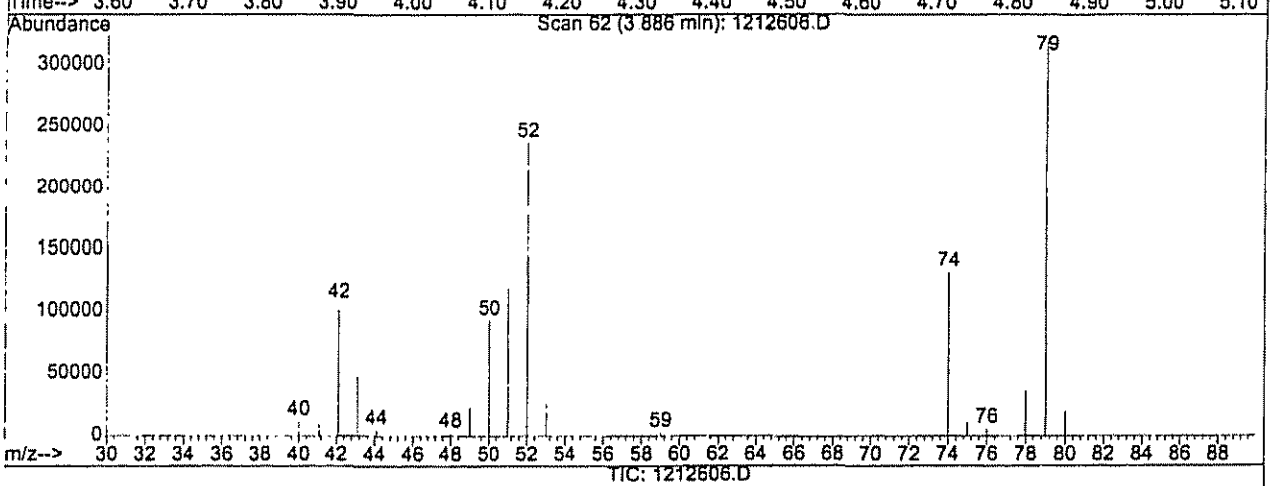
1212606.D 8270.M Mon Dec 12 15:36:03 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212606.D Vial: 6
Acq On : 12 Dec 2005 2:14 pm Operator: MRC
Sample : SVCAL06 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 14:40 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:35:46 2005
Response via : Multiple Level Calibration





(2) Pyridine (TM)

3.89min 11.25ug/mL

response 458872

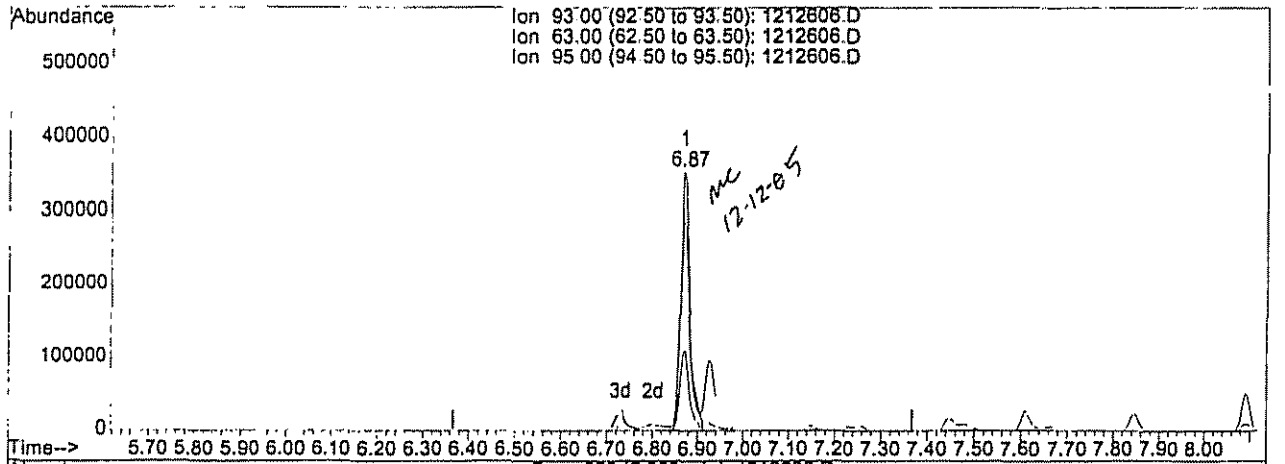
Ion	Exp%	Act%
79.00	100	100
52.00	0.00	66.97#
0.00	0.00	0.00
0.00	0.00	0.00

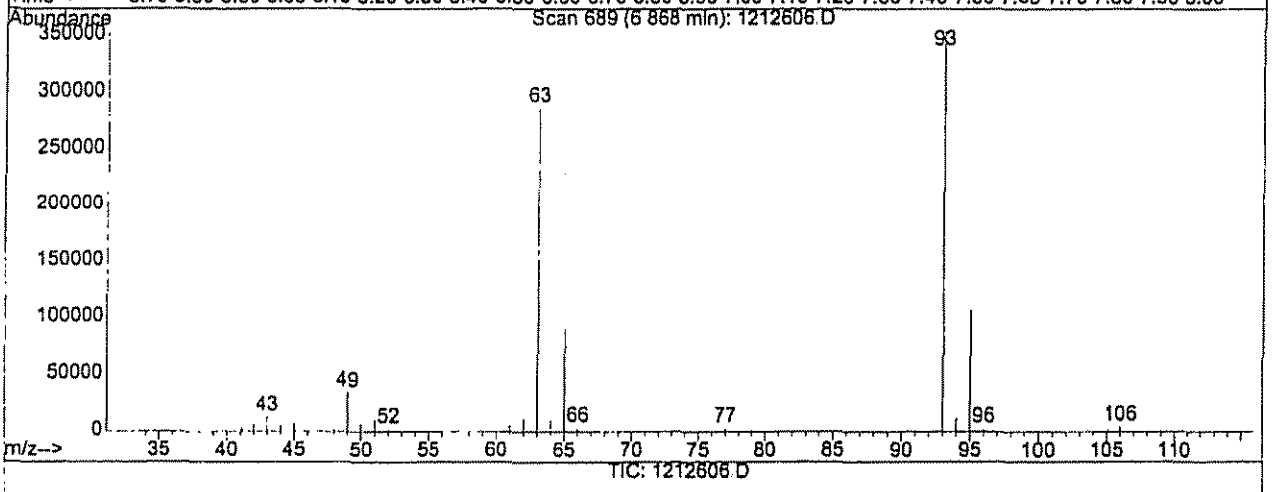
1212606.D 8270.M Mon Dec 12 15:36:00 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212606.D Vial: 6
Acq On : 12 Dec 2005 2:14 pm Operator: MRC
Sample : SVCAL06 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:36 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:35:46 2005
Response via : Multiple Level Calibration





TIC: 1212606.D

(5) Bis(2-chloroethyl)ether (TM)

6.87min 6.67ug/mL m

response 522293

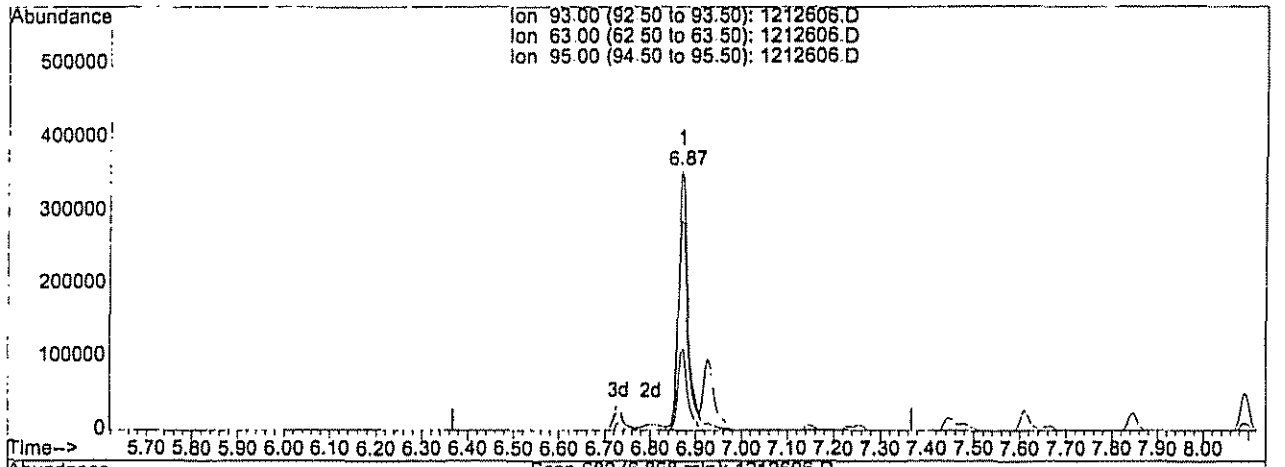
Ion	Exp%	Act%
93.00	100	100
63.00	78.50	80.98
95.00	33.70	30.34
0.00	0.00	0.00

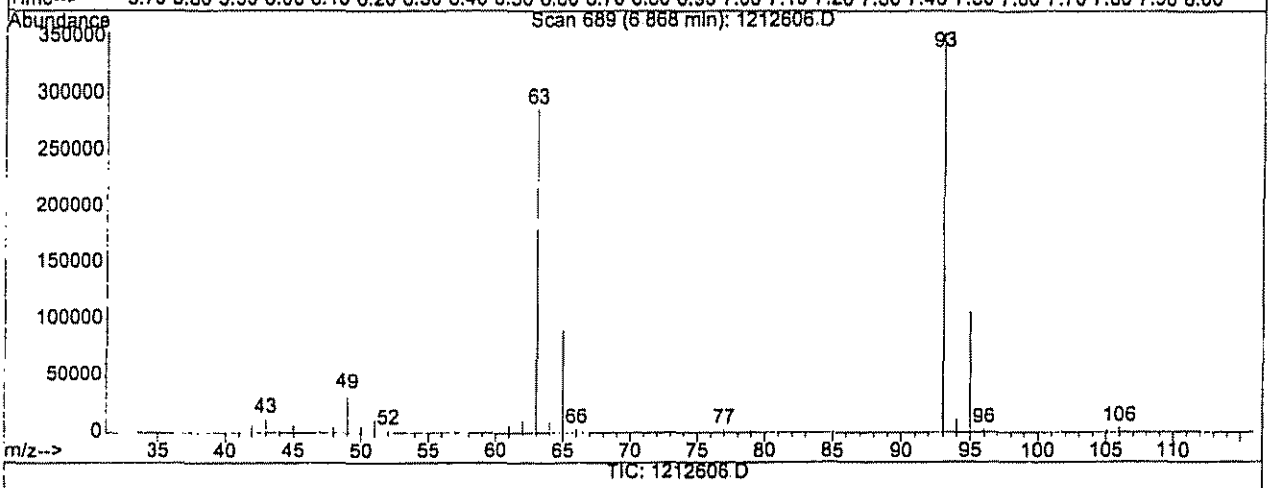
1212606.D 8270.M Mon Dec 12 15:36:16 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212606.D Vial: 6
Acq On : 12 Dec 2005 2:14 pm Operator: MRC
Sample : SVCAL06 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:36 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:35:46 2005
Response via : Multiple Level Calibration





TIC: 1212606.D

(5) Bis(2-chloroethyl)ether (TM)

6.87min 6.94ug/mL

response 543399

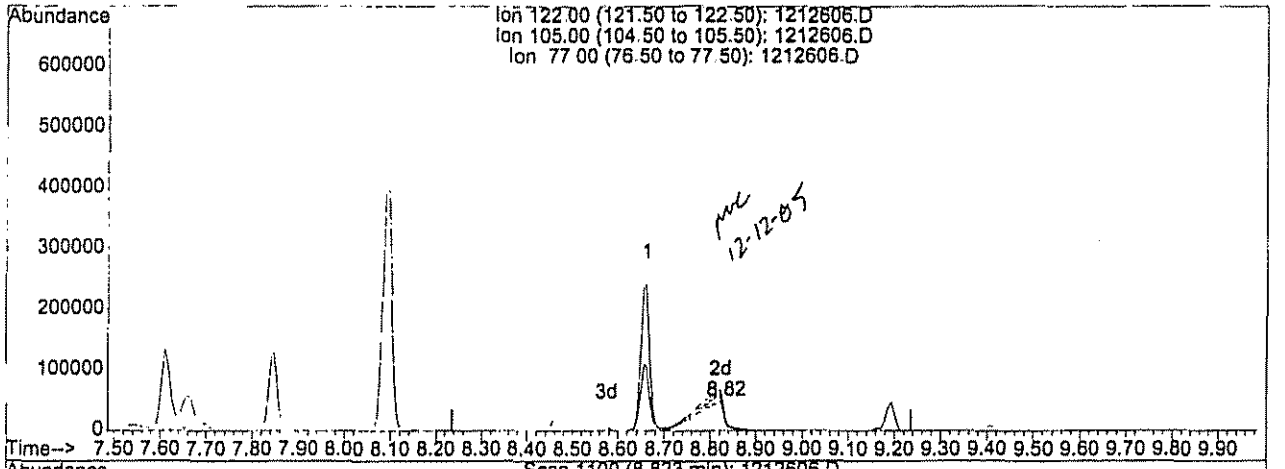
Ion	Exp%	Act%
93.00	100	100
63.00	78.50	80.98
95.00	33.70	30.34
0.00	0.00	0.00

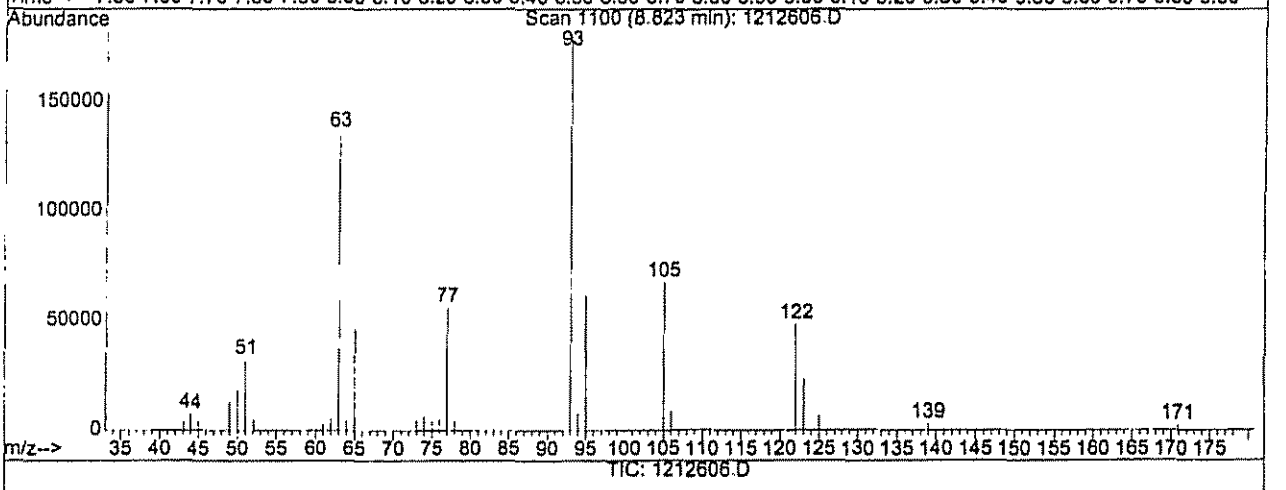
1212606.D 8270.M Mon Dec 12 15:36:12 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212606.D Vial: 6
Acq On : 12 Dec 2005 2:14 pm Operator: MRC
Sample : SVCAL06 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:36 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:35:46 2005
Response via : Multiple Level Calibration





(23) Benzoic Acid (TM)

8.82min 8.42ug/mL m

response 202933

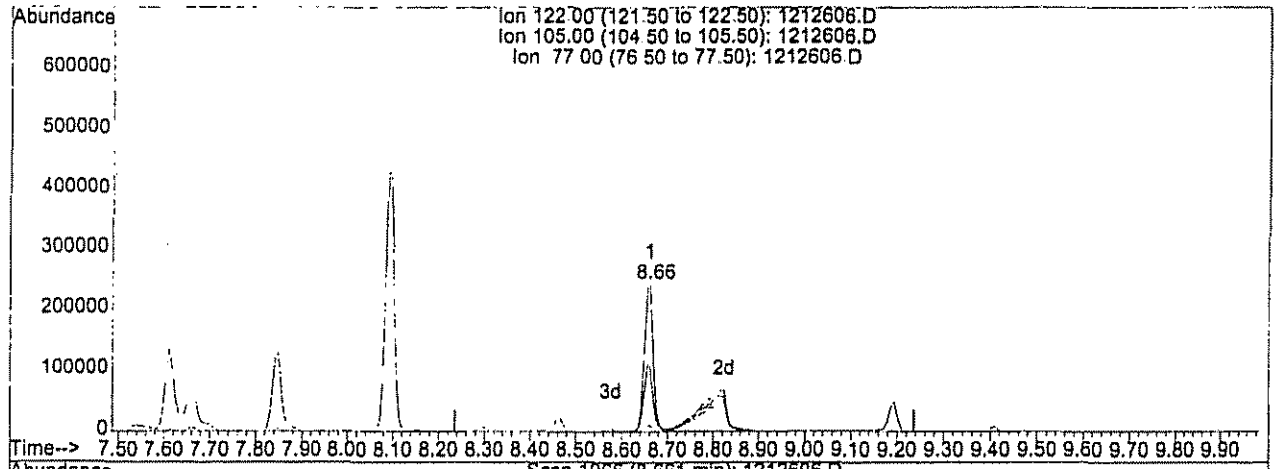
Ion	Exp%	Act%
122.00	100	100
105.00	0.00	5.61#
77.00	0.00	75.59#
0.00	0.00	0.00

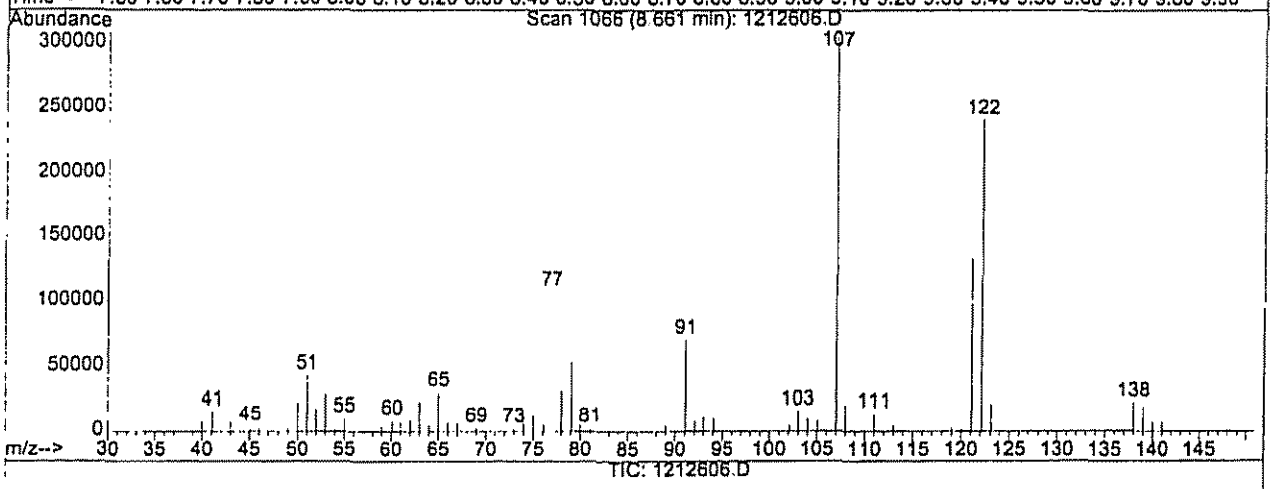
1212606.D 8270.M Mon Dec 12 15:36:35 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212606.D Vial: 6
Acq On : 12 Dec 2005 2:14 pm Operator: MRC
Sample : SVCAL06 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:36 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:35:46 2005
Response via : Multiple Level Calibration





(23) Benzoic Acid (TM)

8.66min 13.15ug/mL

response 316836

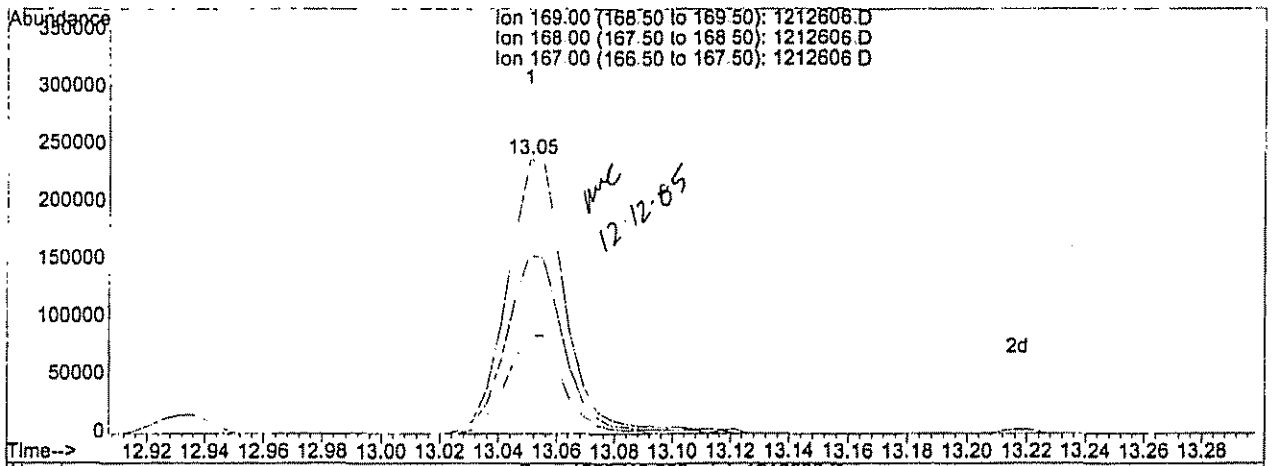
Ion	Exp%	Act%
122.00	100	100
105.00	0.00	3.59#
77.00	0.00	48.42#
0.00	0.00	0.00

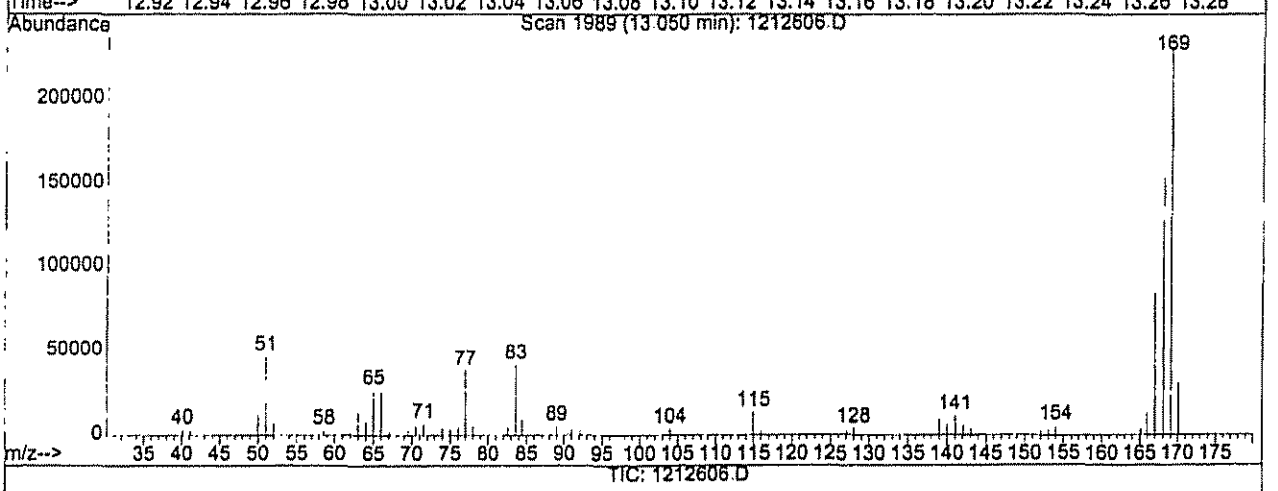
1212606.D 8270.M Mon Dec 12 15:36:31 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212606.D Vial: 6
Acq On : 12 Dec 2005 2:14 pm Operator: MRC
Sample : SVCAL06 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 16:36 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:31:58 2005
Response via : Multiple Level Calibration





(57) Diphenylamine (TMC)

13.05min 7.33ug/mL m

response 322469

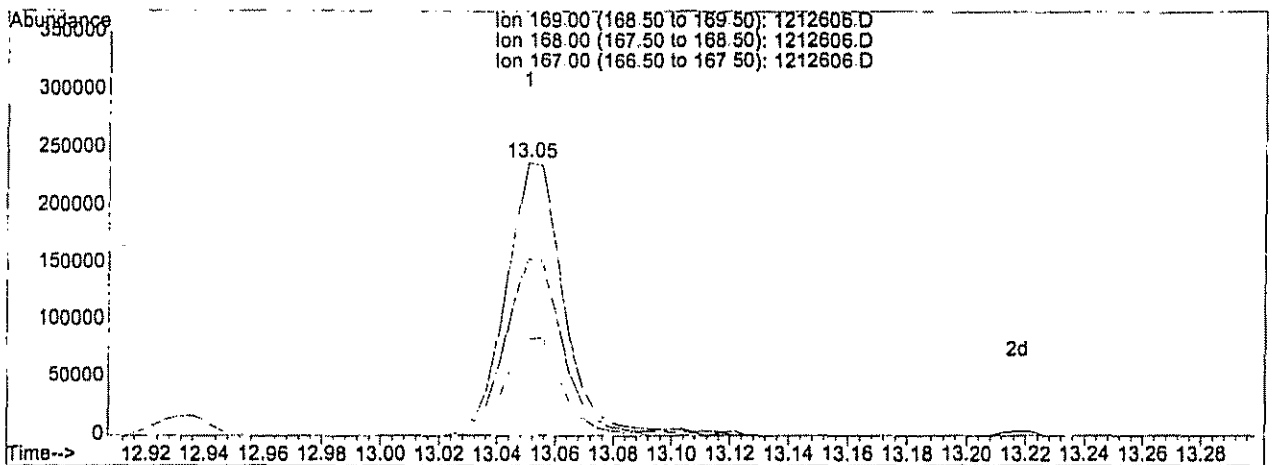
Ion	Exp%	Act%
169.00	100	100
168.00	59.30	64.87
167.00	31.90	35.41
0.00	0.00	0.00

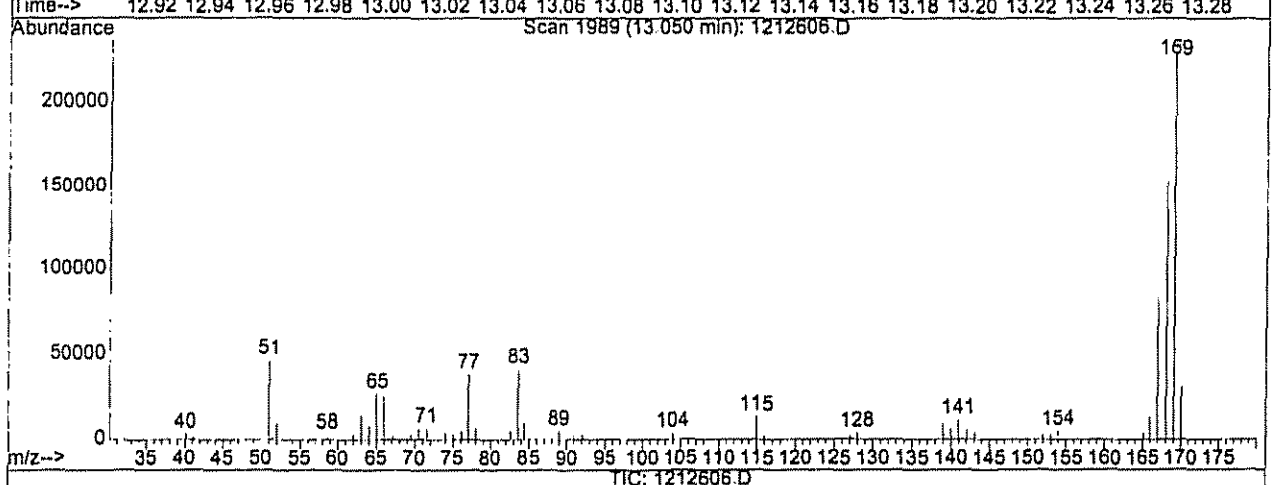
1212606.D 8270.M Mon Dec 12 16:36:24 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212606.D Vial: 6
Acq On : 12 Dec 2005 2:14 pm Operator: MRC
Sample : SVCAL06 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:36 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:31:58 2005
Response via : Multiple Level Calibration





(57) Diphenylamine (TMC)

13.05min 7.53ug/mL

response 331297

Ion	Exp%	Act%
169.00	100	100
168.00	59.30	64.87
167.00	31.90	35.41
0.00	0.00	0.00

1212606.D 8270.M Mon Dec 12 16:36:18 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212607.D Vial: 7
Acq On : 12 Dec 2005 2:50 pm Operator: MRC
Sample : SVCAL08) Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:37 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:37:24 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MC 12-12-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.24	152	179727	4.00	ug/mL	0.00
18) Naphthalene-D8	9.16	136	750643	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.95	164	396723	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.34	188	573572	4.00	ug/mL	0.00
85) Chrysene-D12	18.60	240	411685	4.00	ug/mL	0.00
93) Perylene-D12	20.97	264	191908	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.43	112	476824	8.00	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	80.00%	
17) Phenol-d6 (surr)	6.71	99	706489	7.84	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	78.40%	
32) Nitrobenzene-d5 (surr)	8.07	128	251226	7.78	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	77.80%	
53) 2-Fluorobiphenyl (surr)	10.89	172	1008020	7.94	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	79.40%	
54) 2,4,6-Tribromophenol (surr	13.22	330	84449	7.87	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	78.70%	
92) 4-Terphenyl-d14 (surr)	16.95	244	858189	7.70	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	77.00%	

Target Compounds						Qvalue
2) Pyridine	3.90	79	649599m	10.16	ug/mL	
3) N-Nitrosodimethylamine	3.89	74	375452	9.14	ug/mL	99
4) Phenol	6.73	94	730239	7.75	ug/mL	99
5) Bis(2-chloroethyl)ether	6.88	93	635077	8.00	ug/mL	97
6) 2-Chlorophenol	6.93	128	522084	7.80	ug/mL	97
7) Benzyl Alcohol	7.45	108	328461	7.33	ug/mL	97
8) 1,3-Dichlorobenzene	7.15	146	539592	7.92	ug/mL	97
9) 1,4-Dichlorobenzene	7.26	146	539009	7.73	ug/mL	99
10) 1,2-Dichlorobenzene	7.48	146	494057	7.97	ug/mL	98
11) 2-Methylphenol	7.62	107	440784	7.84	ug/mL	98
12) 3-, 4-Methylphenol	7.85	107	630877	7.87	ug/mL	98
13) Bis(2-chloroisopropyl)ethe	7.66	45	1040160	8.06	ug/mL	100
14) N-Nitrosodi-n-propylamine	7.86	70	347115	7.79	ug/mL	97
15) Hexachloroethane	7.98	117	207070	7.82	ug/mL	97
19) Nitrobenzene	8.10	77	680004	7.74	ug/mL	97
20) Isophorone	8.47	82	987711	7.72	ug/mL	98
21) 2-Nitrophenol	8.58	139	263512	7.43	ug/mL	97
22) 2,4-Dimethylphenol	8.66	122	384522	7.53	ug/mL	99
23) Benzoic Acid	8.83	122	269308	8.74	ug/mL#	25
24) Bis(2-chloroethoxy)methane	8.82	93	696248	7.74	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212607.D
Acq On : 12 Dec 2005 2:50 pm
Sample : SVCAL08
Misc : (W17-A]
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:37 2005

Vial: 7
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:37:24 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25)	2,4-Dichlorophenol	8.95	162	382124	7.71 ug/mL	98
26)	1,2,4-Trichlorobenzene	9.08	180	423947	7.73 ug/mL	99
27)	Naphthalene	9.20	128	1428604	7.78 ug/mL	98
28)	4-Chloroaniline	9.20	127	182261	7.82 ug/mL	97
29)	Hexachlorobutadiene	9.41	225	229814	7.50 ug/mL	96
30)	4-Chloro-3-methylphenol	10.07	107	466583	7.59 ug/mL	99
31)	2-Methylnaphthalene	10.29	142	981467	7.78 ug/mL	99
34)	Hexachlorocyclopentadiene	10.56	237	93410	10.13 ug/mL	99
35)	2,4,6-Trichlorophenol	10.75	196	283155	7.88 ug/mL	98
36)	2,4,5-Trichlorophenol	10.80	196	281704	7.77 ug/mL	98
37)	2-Chloronaphthalene	11.06	162	892194	7.99 ug/mL	99
38)	2-Nitroaniline	11.25	65	255120	7.06 ug/mL	97
39)	3-Nitroaniline	12.29	138	18459	7.32 ug/mL	91
40)	1-Methylnaphthalene	10.45	142	887584	7.98 ug/mL	98
41)	Dimethylphthalate	11.57	163	1015707	7.88 ug/mL	99
42)	Acenaphthylene	11.72	152	1088708	8.21 ug/mL	100
43)	2,6-Dinitrotoluene	11.65	165	220823	7.82 ug/mL	94
44)	Acenaphthene	12.01	153	804359	7.94 ug/mL	99
45)	2,4-Dinitrophenol	12.08	184	104584	8.72 ug/mL	95
46)	4-Nitrophenol	12.20	109	111998	8.60 ug/mL	98
47)	Dibenzofuran	12.29	168	1206248	7.90 ug/mL	96
48)	2,4-Dinitrotoluene	12.29	165	267246	7.84 ug/mL	97
49)	Fluorene	12.84	166	926099	7.97 ug/mL	99
50)	Diethylphthalate	12.72	149	922538	7.88 ug/mL	99
51)	4-Chlorophenyl phenyl ethe	12.86	204	469099	8.07 ug/mL	98
52)	4-Nitroaniline	12.91	138	67217	10.29 ug/mL	95
56)	4,6-Dinitro-2-methylphenol	12.94	198	146786	8.44 ug/mL	98
57)	Diphenylamine	13.06	169	319281	6.68 ug/mL	99
58)	4-bromophenyl phenyl ether	13.65	248	248227	8.12 ug/mL	97
59)	Hexachlorobenzene	13.73	284	226940	7.89 ug/mL	95
60)	Pentachlorophenol	14.05	266	145644	8.95 ug/mL	95
61)	Phenanthrene	14.38	178	1250022	7.85 ug/mL	100
62)	Carbazole	14.74	167	813262	8.40 ug/mL	100
63)	Anthracene	14.46	178	1160305	7.76 ug/mL	99
64)	Azobenzene	13.11	77	1300403	7.95 ug/mL	99
65)	Di-n-Butylphthalate	15.36	149	1563091	7.91 ug/mL	99
66)	Fluoranthene	16.30	202	1299320	7.81 ug/mL	99
67)	alpha-BHC	13.66	183	174937	7.95 ug/mL	100
68)	beta-BHC	13.99	181	144459	7.94 ug/mL	99
69)	gamma-BHC	14.14	183	147225	7.85 ug/mL	99
70)	delta-BHC	14.50	183	132673	7.89 ug/mL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212607.D Vial: 7
Acq On : 12 Dec 2005 2:50 pm Operator: MRC
Sample : SVCAL08) Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:37 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:37:24 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Heptachlor	15.16	100	215714	8.59	ug/mL	100
72)	Aldrin	15.66	66	258774	7.95	ug/mL	99
73)	Heptachlor Epoxide	16.16	353	58124	8.10	ug/mL	99
74)	Endosulfan I	16.65	195	49436	8.05	ug/mL	93
75)	4,4'-DDE	16.87	246	273188	7.83	ug/mL	98
76)	Dieldrin	17.00	79	307962	7.98	ug/mL	100
77)	Endrin	17.00	263	41368	8.12	ug/mL	100
78)	Endosulfan II	0.00	30	0	N.D.		
79)	4,4'-DDD	17.40	235	492172	8.15	ug/mL	100
80)	Endosulfan Sulfate	17.88	272	59055	8.79	ug/mL	100
81)	4,4'-DDT	17.40	235	492172	8.15	ug/mL	99
82)	Endrin Aldehyde	0.00	30	0	N.D.		
83)	Endrin Ketone	18.50	317	48439	8.49	ug/mL	97
84)	Methoxychlor	18.54	227	765750	8.22	ug/mL	99
86)	Pyrene	16.65	202	1280337	7.78	ug/mL	99
87)	Butylbenzylphthalate	17.77	149	656080	7.89	ug/mL	98
88)	Benzo[a]anthracene	18.59	228	1008313	7.74	ug/mL	99
89)	3,3'-Dichlorobenzidine	18.59	252	31261	3.30	ug/mL	89
90)	Chrysene	18.64	228	964351	7.79	ug/mL	100
91)	Bis(2-ethylhexyl)phthalate	18.72	149	930321	7.85	ug/mL	99
94)	Di-n-octylphthalate	19.72	149	1567125	7.97	ug/mL	100
95)	Benzo[b]fluoranthene	20.29	252	889956	7.71	ug/mL	99
96)	Benzo[k]fluoranthene	20.33	252	876483	8.12	ug/mL	99
97)	Benzo[a]pyrene	20.87	252	738622	7.96	ug/mL	97
98)	Indeno(1,2,3-c,d)pyrene	23.38	276	510658	8.17	ug/mL	98
99)	Dibenzo[a,h]anthracene	23.45	278	475721	8.16	ug/mL	96
100)	Benzo[g,h,i]perylene	24.10	276	532169	8.31	ug/mL	97

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

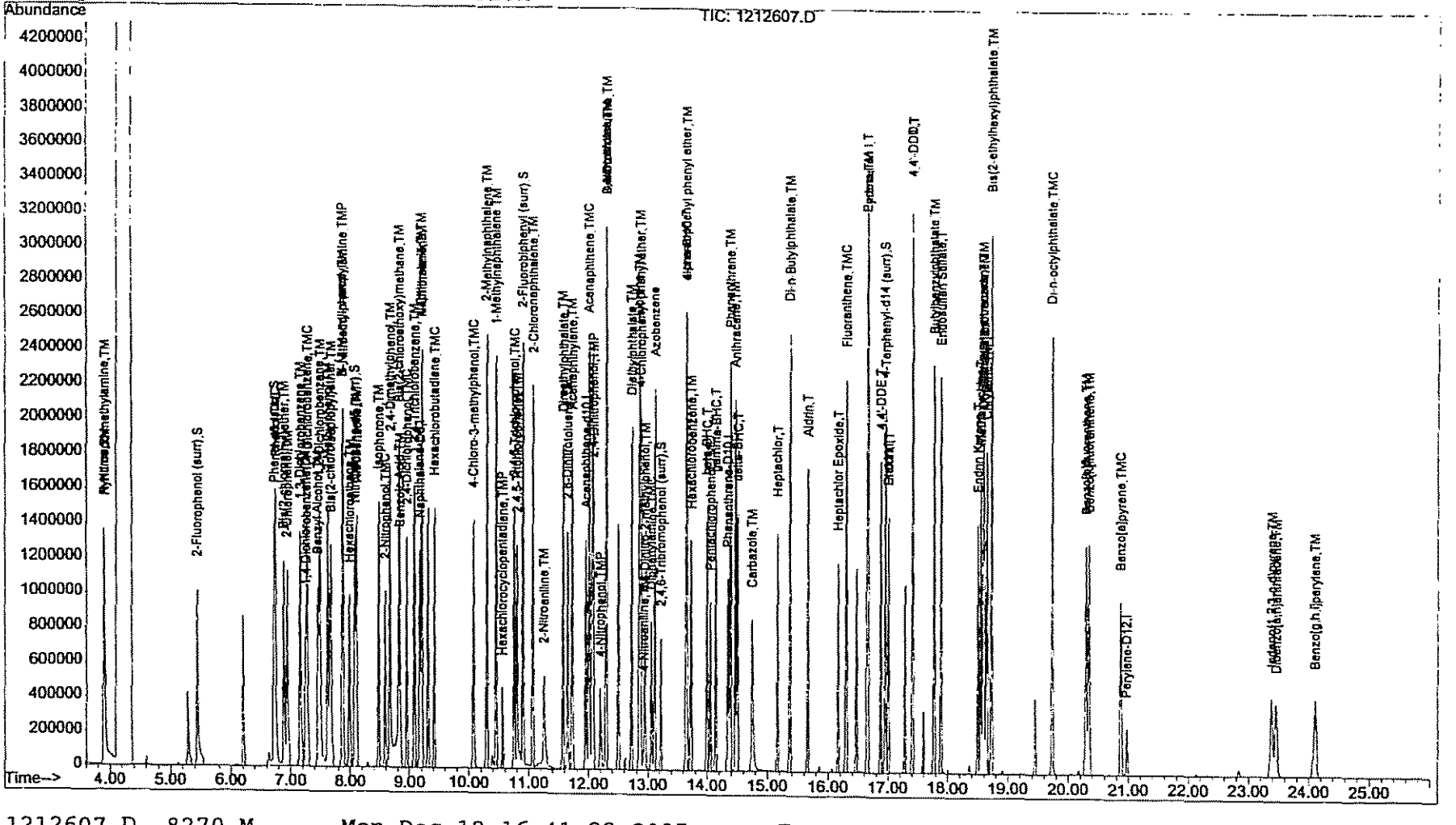
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212607.D
Acq On : 12 Dec 2005 2:50 pm
Sample : SVCAL08
Misc : (W17-A]
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:37 2005

Vial: 7
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration

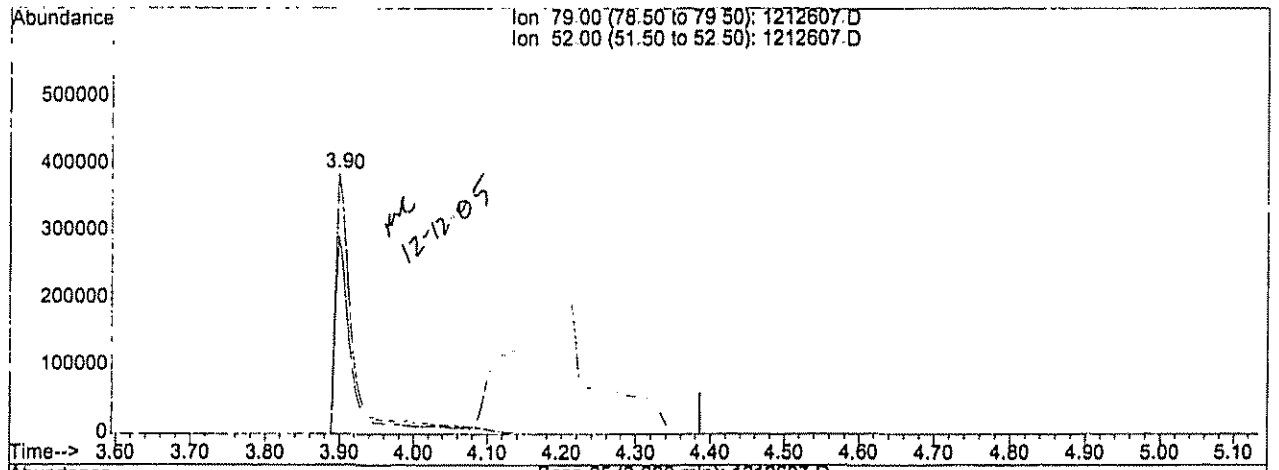


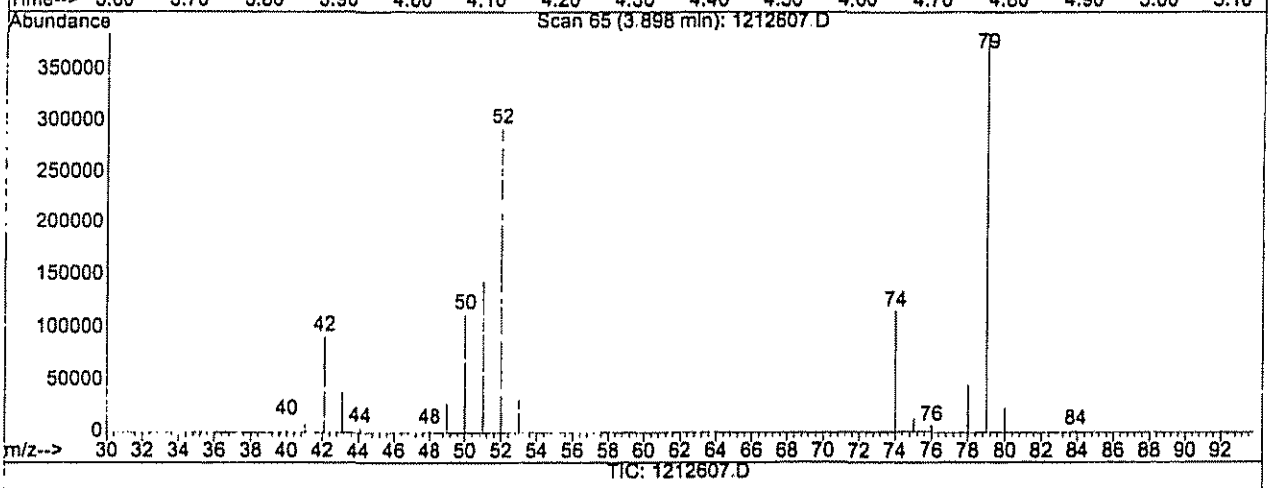
1212607.D 8270.M Mon Dec 12 16:41:22 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212607.D Vial: 7
Acq On : 12 Dec 2005 2:50 pm Operator: MRC
Sample : SVCAL08 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:37 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:37:24 2005
Response via : Multiple Level Calibration





TIC: 1212607.D

(2) Pyridine (TM)

3.90min 10.16ug/mL m

response 649599

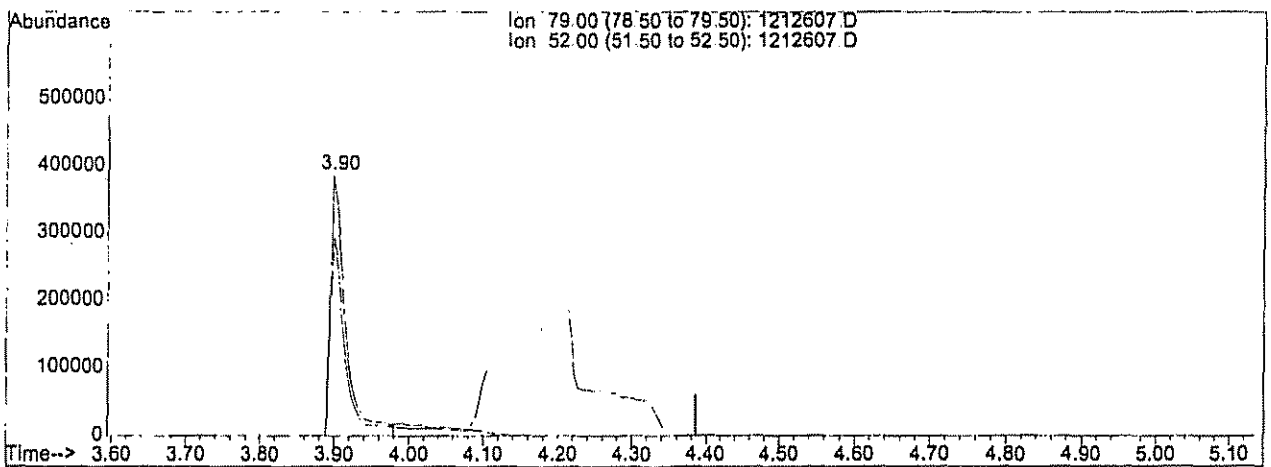
ion	Exp%	Act%
79.00	100	100
52.00	58.10	61.41
0.00	0.00	0.00
0.00	0.00	0.00

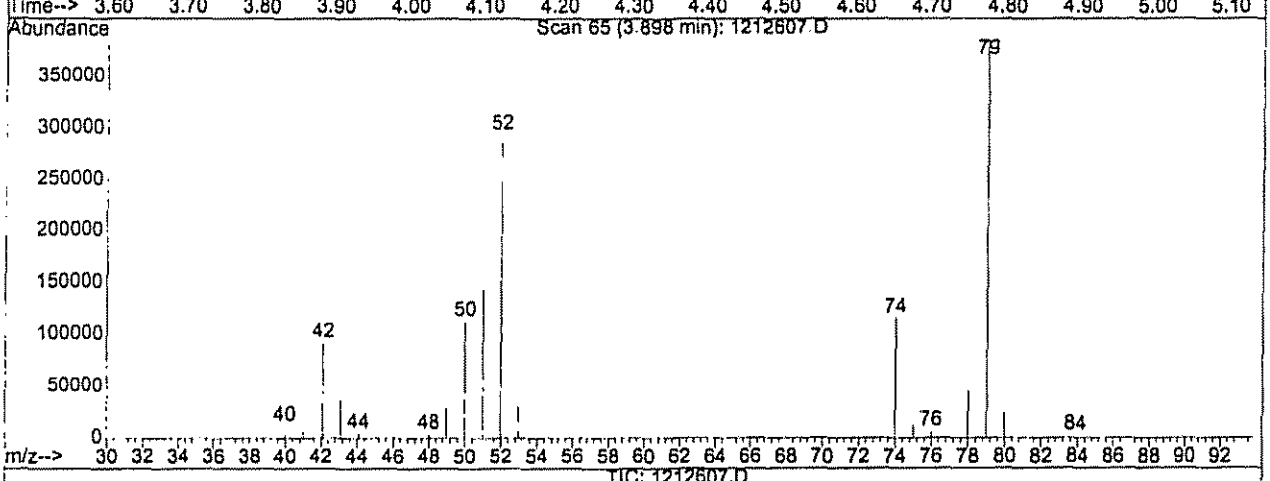
1212607.D 8270.M Mon Dec 12 15:37:47 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212607.D Vial: 7
Acq On : 12 Dec 2005 2:50 pm Operator: MRC
Sample : SVCAL08 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:37 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:37:24 2005
Response via : Multiple Level Calibration





(2) Pyridine (TM)

3.90min 8.57ug/mL

response 548061

Ion	Exp%	Act%
79.00	100	100
52.00	58.10	72.79#
0.00	0.00	0.00
0.00	0.00	0.00

1212607.D 8270.M Mon Dec 12 15:37:44 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212608.D Vial: 8
Acq On : 12 Dec 2005 3:26 pm Operator: MRC
Sample : SVCAL12 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:52 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:38:46 2005
Response via : Initial Calibration
DataAcq Meth : 8270

pc 12-12-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.24	152	178496	4.00	ug/mL	0.00
18) Naphthalene-D8	9.17	136	741086	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.96	164	399085	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.35	188	569177	4.00	ug/mL	0.00
85) Chrysene-D12	18.61	240	409654	4.00	ug/mL	0.00
93) Perylene-D12	20.98	264	196124	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.44	112	755526	12.73	ug/mL	0.00
Spiked Amount 10.000			Recovery =		127.30%	
17) Phenol-d6 (surr)	6.72	99	1118500	12.49	ug/mL	0.01
Spiked Amount 10.000			Recovery =		124.90%	
32) Nitrobenzene-d5 (surr)	8.08	128	400115	12.52	ug/mL	0.00
Spiked Amount 10.000			Recovery =		125.20%	
53) 2-Fluorobiphenyl (surr)	10.90	172	1580771	12.38	ug/mL	0.00
Spiked Amount 10.000			Recovery =		123.80%	
54) 2,4,6-Tribromophenol (surr	13.23	330	136632	12.50	ug/mL	0.00
Spiked Amount 10.000			Recovery =		125.00%	
92) 4-Terphenyl-d14 (surr)	16.95	244	1358105	12.40	ug/mL	0.00
Spiked Amount 10.000			Recovery =		124.00%	
Target Compounds						Qvalue
2) Pyridine	3.92	79	799603	11.52	ug/mL#	79
3) N-Nitrosodimethylamine	3.92	74	598256	14.02	ug/mL	99
4) Phenol	6.74	94	1135017	12.17	ug/mL	100
5) Bis(2-chloroethyl)ether	6.88	93	951612	11.98	ug/mL	100
6) 2-Chlorophenol	6.94	128	825705	12.40	ug/mL	100
7) Benzyl Alcohol	7.46	108	534604	12.17	ug/mL	97
8) 1,3-Dichlorobenzene	7.16	146	835308	12.34	ug/mL	99
9) 1,4-Dichlorobenzene	7.26	146	855864	12.36	ug/mL	100
10) 1,2-Dichlorobenzene	7.49	146	769790	12.48	ug/mL	99
11) 2-Methylphenol	7.62	107	709096	12.73	ug/mL	98
12) 3-, 4-Methylphenol	7.86	107	995749	12.54	ug/mL	97
13) Bis(2-chloroisopropyl)ethe	7.67	45	1624300	12.56	ug/mL	99
14) N-Nitrosodi-n-propylamine	7.88	70	551267	12.39	ug/mL	99
15) Hexachloroethane	7.99	117	324479	12.35	ug/mL	97
19) Nitrobenzene	8.10	77	1075870	12.44	ug/mL	98
20) Isophorone	8.47	82	1542217	12.22	ug/mL	99
21) 2-Nitrophenol	8.59	139	417734	11.83	ug/mL	98
22) 2,4-Dimethylphenol	8.67	122	613013	12.29	ug/mL	99
23) Benzoic Acid	8.88	122	438761	13.80	ug/mL	97
24) Bis(2-chloroethoxy)methane	8.82	93	1081130	12.19	ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212608.D
Acq On : 12 Dec 2005 3:26 pm
Sample : SVCAL12
Misc : (W17-A]
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:52 2005

Vial: 8
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:38:46 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25)	2,4-Dichlorophenol	8.96	162	591456	12.18 ug/mL	98
26)	1,2,4-Trichlorobenzene	9.08	180	662003	12.26 ug/mL	98
27)	Naphthalene	9.20	128	2242287	12.38 ug/mL	98
28)	4-Chloroaniline	9.20	127	284880	12.42 ug/mL	100
29)	Hexachlorobutadiene	9.42	225	365507	12.20 ug/mL	98
30)	4-Chloro-3-methylphenol	10.08	107	746279	12.39 ug/mL	99
31)	2-Methylnaphthalene	10.30	142	1552591	12.48 ug/mL	99
34)	Hexachlorocyclopentadiene	10.56	237	142213	13.88 ug/mL	97
35)	2,4,6-Trichlorophenol	10.75	196	442146	12.19 ug/mL	99
36)	2,4,5-Trichlorophenol	10.80	196	436065	11.99 ug/mL	96
37)	2-Chloronaphthalene	11.07	162	1398786	12.42 ug/mL	99
38)	2-Nitroaniline	11.26	65	414361	11.45 ug/mL	99
39)	3-Nitroaniline	12.29	138	31173	12.66 ug/mL	98
40)	1-Methylnaphthalene	10.45	142	1401428	12.49 ug/mL	100
41)	Dimethylphthalate	11.58	163	1581040	12.19 ug/mL	98
42)	Acenaphthylene	11.73	152	1661652	12.41 ug/mL	99
43)	2,6-Dinitrotoluene	11.66	165	351745	12.35 ug/mL	95
44)	Acenaphthene	12.01	153	1268876	12.42 ug/mL	99
45)	2,4-Dinitrophenol	12.08	184	164077	12.99 ug/mL	93
46)	4-Nitrophenol	12.21	109	164395	12.32 ug/mL	95
47)	Dibenzofuran	12.29	168	1891758	12.30 ug/mL	98
48)	2,4-Dinitrotoluene	12.30	165	416541	12.12 ug/mL	96
49)	Fluorene	12.85	166	1457782	12.44 ug/mL	98
50)	Diethylphthalate	12.72	149	1432235	12.20 ug/mL	99
51)	4-Chlorophenyl phenyl ethe	12.87	204	730864	12.47 ug/mL	99
52)	4-Nitroaniline	12.94	138	91837	13.29 ug/mL#	48
56)	4,6-Dinitro-2-methylphenol	12.95	198	237785	13.46 ug/mL	99
57)	Diphenylamine	13.06	169	429504	9.05 ug/mL	97
58)	4-bromophenyl phenyl ether	13.65	248	398411	13.16 ug/mL	96
59)	Hexachlorobenzene	13.73	284	367296	12.89 ug/mL	96
60)	Pentachlorophenol	14.05	266	225446	13.33 ug/mL	99
61)	Phenanthrene	14.39	178	1969583	12.46 ug/mL	99
62)	Carbazole	14.74	167	1078177	10.56 ug/mL	99
63)	Anthracene	14.47	178	1836198	12.38 ug/mL	100
64)	Azobenzene	13.12	77	2002687	12.40 ug/mL	99
65)	Di-n-Butylphthalate	15.37	149	2421900	12.44 ug/mL	100
66)	Fluoranthene	16.30	202	2026437	12.15 ug/mL	98
67)	alpha-BHC	13.66	183	266754	12.37 ug/mL	97
68)	beta-BHC	14.00	181	225459	12.64 ug/mL	100
69)	gamma-BHC	14.14	183	227719	12.38 ug/mL	98
70)	delta-BHC	14.50	183	204275	12.34 ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212608.D Vial: 8
Acq On : 12 Dec 2005 3:26 pm Operator: MRC
Sample : SVCAL12) Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:52 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 15:38:46 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.16	100	326612	12.98 ug/mL	97
72)	Aldrin	15.66	66	391290	12.22 ug/mL	98
73)	Heptachlor Epoxide	16.16	353	93164	13.10 ug/mL	99
74)	Endosulfan I	16.66	195	75394	12.61 ug/mL	95
75)	4,4'-DDE	16.88	246	429503	12.50 ug/mL	100
76)	Dieldrin	17.01	79	462834	12.14 ug/mL	98
77)	Endrin	17.01	263	64831	12.93 ug/mL	96
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.41	235	756027	12.54 ug/mL	100
80)	Endosulfan Sulfate	17.89	272	90581	13.52 ug/mL	98
81)	4,4'-DDT	17.41	235	756027	12.54 ug/mL	100
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.50	317	76392	13.35 ug/mL	99
84)	Methoxychlor	18.55	227	1229052	13.05 ug/mL	99
86)	Pyrene	16.66	202	1963107	12.15 ug/mL	95
87)	Butylbenzylphthalate	17.78	149	1010816	12.47 ug/mL	99
88)	Benzo[a]anthracene	18.59	228	1617379	12.47 ug/mL	98
89)	3,3'-Dichlorobenzidine	18.59	252	76546	9.09 ug/mL#	79
90)	Chrysene	18.65	228	1520695	12.34 ug/mL	100
91)	Bis(2-ethylhexyl)phthalate	18.73	149	1412952	12.32 ug/mL	99
94)	Di-n-octylphthalate	19.73	149	2418137	12.28 ug/mL	100
95)	Benzo[b]fluoranthene	20.30	252	1438487	12.18 ug/mL	98
96)	Benzo[k]fluoranthene	20.34	252	1411853	12.77 ug/mL	99
97)	Benzo[a]pyrene	20.88	252	1193186	12.55 ug/mL	97
98)	Indeno(1,2,3-c,d)pyrene	23.39	276	809398	12.65 ug/mL	98
99)	Dibenzo[a,h]anthracene	23.46	278	767793	12.90 ug/mL	99
100)	Benzo[g,h,i]perylene	24.12	276	852773	13.03 ug/mL	98

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

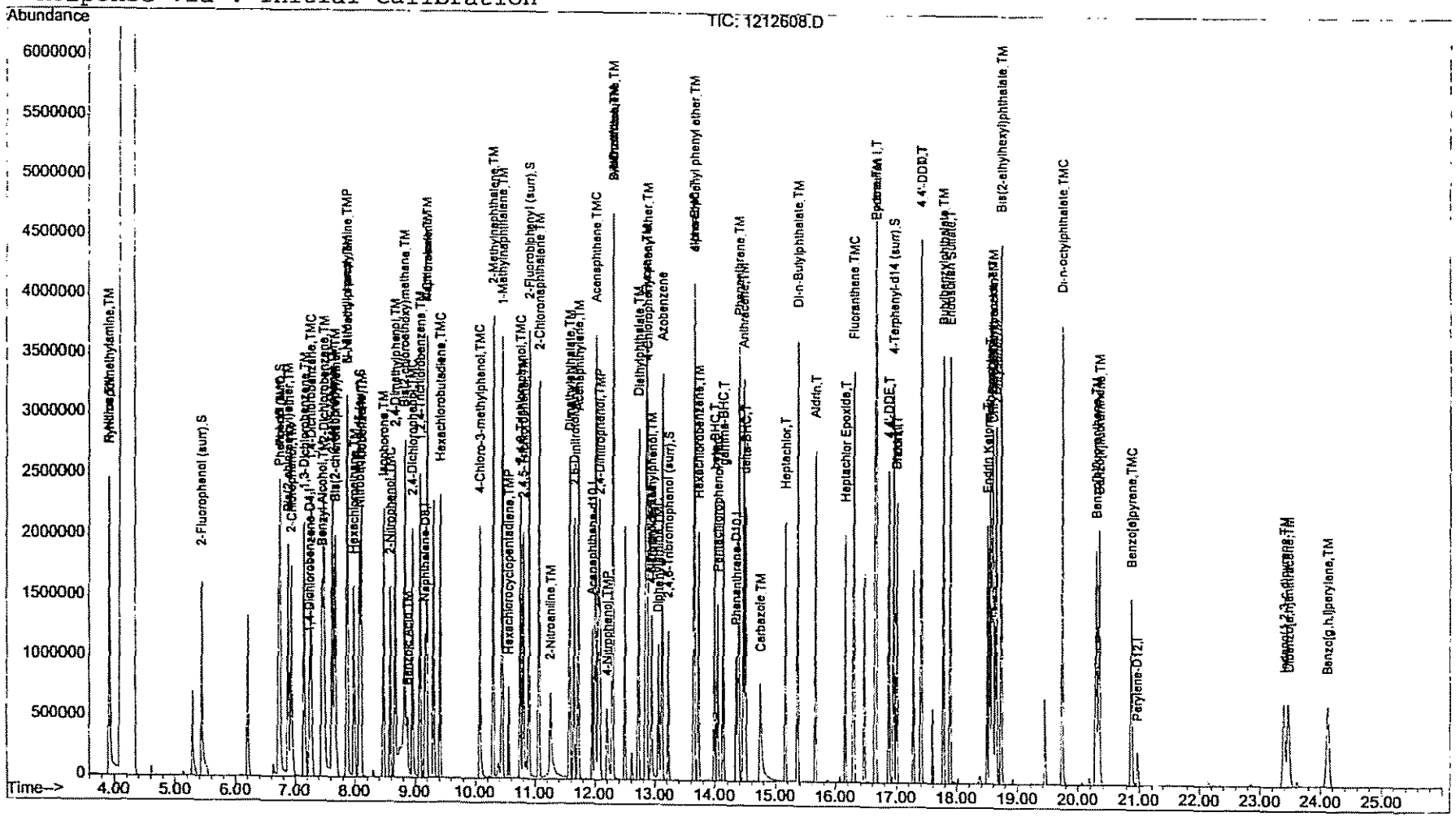
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212608.D
Acq On : 12 Dec 2005 3:26 pm
Sample : SVCAL12
Misc : (W17-A]
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:52 2005

Vial: 8
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration



1212608.D 8270.M Mon Dec 12 16:41:34 2005 ENV

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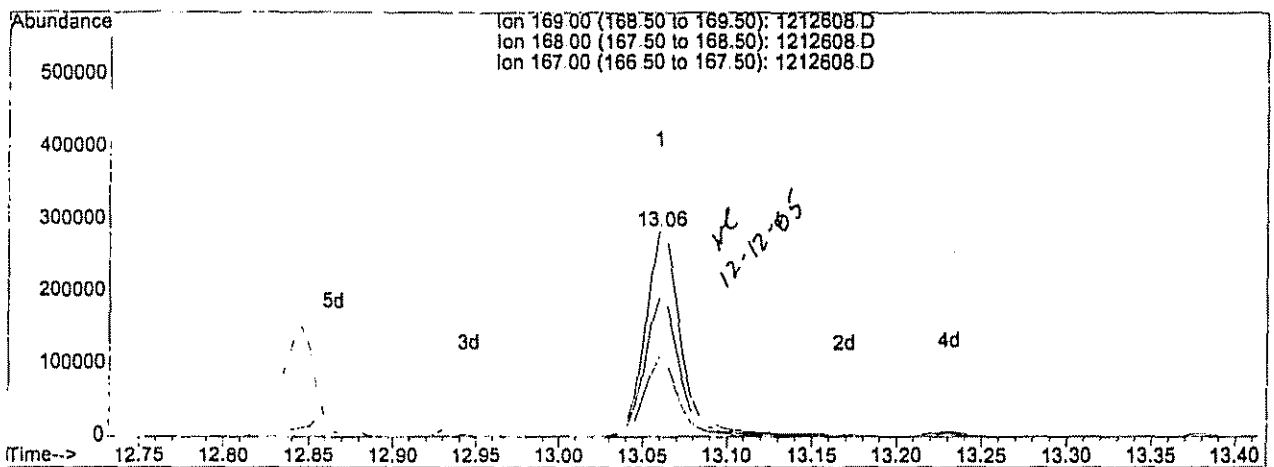
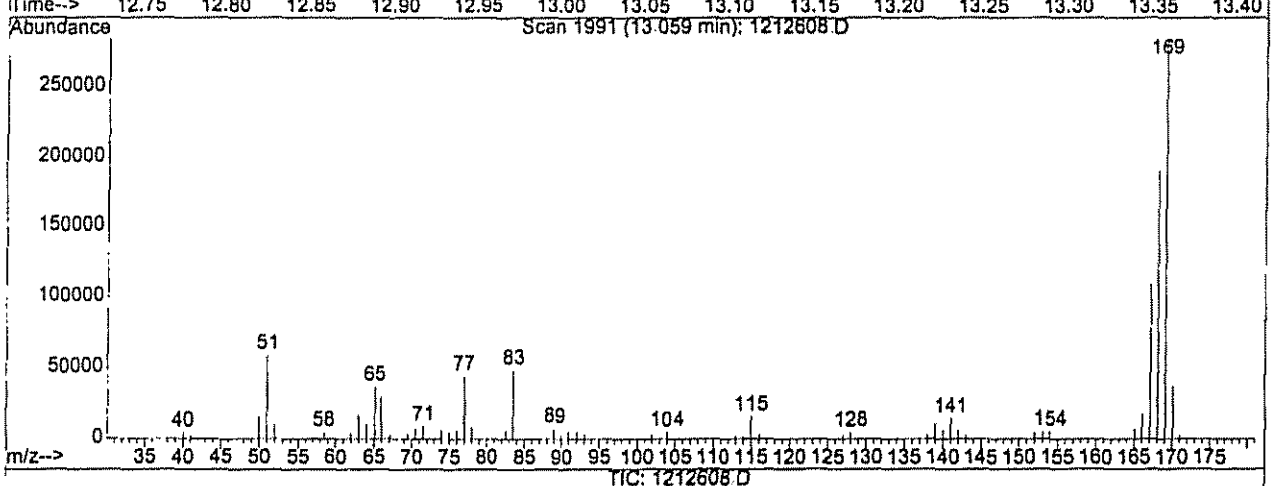
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212608.D Vial: 8
Acq On : 12 Dec 2005 3:26 pm Operator: MRC
Sample : SVCAL1)2 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 15:52 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:31:58 2005
Response via : Multiple Level Calibration





(57) Diphenylamine (TMC)

13.06min 9.05ug/mL

response 429504

Ion	Exp%	Act%
169.00	100	100
168.00	66.40	67.47
167.00	35.10	38.70
0.00	0.00	0.00

1212608.D 8270.M Mon Dec 12 16:33:50 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212609.D Vial: 9
Acq On : 12 Dec 2005 4:01 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 16:31 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:02:20 2005
Response via : Initial Calibration
DataAcq Meth : 8270

mc 12-12-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.24	152	161443	4.00	ug/mL	0.00
18) Naphthalene-D8	9.17	136	671407	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.96	164	359547	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.35	188	519278	4.00	ug/mL	0.00
85) Chrysene-D12	18.61	240	391657	4.00	ug/mL	0.00
93) Perylene-D12	20.98	264	199281	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.45	112	1243417	23.13	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	231.30%	
17) Phenol-d6 (surr)	6.73	99	1876340	23.10	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	231.00%	
32) Nitrobenzene-d5 (surr)	8.08	128	666644	22.98	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	229.80%	
53) 2-Fluorobiphenyl (surr)	10.90	172	2651228	22.92	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	229.20%	
54) 2,4,6-Tribromophenol (surr	13.24	330	261807	26.58	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	265.80%	
92) 4-Terphenyl-d14 (surr)	16.96	244	2488169	23.69	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	236.90%	
Target Compounds						Qvalue
2) Pyridine	3.95	79	1541921	23.68	ug/mL	93
3) N-Nitrosodimethylamine	3.97	74	988065	24.84	ug/mL	99
4) Phenol	6.75	94	1875738	22.26	ug/mL	97
5) Bis(2-chloroethyl)ether	6.89	93	1543939	21.45	ug/mL	97
6) 2-Chlorophenol	6.94	128	1373964	22.78	ug/mL	99
7) Benzyl Alcohol	7.47	108	892917	22.63	ug/mL	96
8) 1,3-Dichlorobenzene	7.16	146	1403592	22.85	ug/mL	100
9) 1,4-Dichlorobenzene	7.27	146	1418561	22.60	ug/mL	99
10) 1,2-Dichlorobenzene	7.49	146	1279935	22.77	ug/mL	99
11) 2-Methylphenol	7.63	107	1187451	23.36	ug/mL	99
12) 3-, 4-Methylphenol	7.87	107	1689580	23.41	ug/mL	99
13) Bis(2-chloroisopropyl)ethe	7.67	45	2611522	22.04	ug/mL	99
14) N-Nitrosodi-n-propylamine	7.89	70	918818	22.63	ug/mL	98
15) Hexachloroethane	7.98	117	541044	22.75	ug/mL	100
19) Nitrobenzene	8.11	77	1734204	22.17	ug/mL	98
20) Isophorone	8.49	82	2600462	22.74	ug/mL	99
21) 2-Nitrophenol	8.59	139	720603	22.38	ug/mL	99
22) 2,4-Dimethylphenol	8.68	122	1051586	23.43	ug/mL	100
23) Benzoic Acid	8.94	122	847452	28.43	ug/mL	97
24) Bis(2-chloroethoxy)methane	8.83	93	1779812	22.16	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212609.D Vial: 9
Acq On : 12 Dec 2005 4:01 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 16:31 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:02:20 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25)	2,4-Dichlorophenol	8.96	162	1041543	23.93 ug/mL	99
26)	1,2,4-Trichlorobenzene	9.09	180	1108688	22.65 ug/mL	97
27)	Naphthalene	9.21	128	3709352	22.54 ug/mL	98
28)	4-Chloroaniline	9.21	127	474449	22.89 ug/mL	99
29)	Hexachlorobutadiene	9.41	225	618542	22.94 ug/mL	100
30)	4-Chloro-3-methylphenol	10.08	107	1254750	23.16 ug/mL	98
31)	2-Methylnaphthalene	10.30	142	2582171	22.84 ug/mL	100
34)	Hexachlorocyclopentadiene	10.56	237	271784	27.62 ug/mL	99
35)	2,4,6-Trichlorophenol	10.76	196	775246	23.71 ug/mL	99
36)	2,4,5-Trichlorophenol	10.81	196	770018	23.57 ug/mL	96
37)	2-Chloronaphthalene	11.07	162	2380379	23.40 ug/mL	99
38)	2-Nitroaniline	11.27	65	785513	24.42 ug/mL	99
39)	3-Nitroaniline	12.30	138	56866	26.47 ug/mL#	85
40)	1-Methylnaphthalene	10.46	142	2313992	22.74 ug/mL	98
41)	Dimethylphthalate	11.59	163	2690498	23.04 ug/mL	100
42)	Acenaphthylene	11.73	152	2584754	21.28 ug/mL	98
43)	2,6-Dinitrotoluene	11.66	165	613076	23.91 ug/mL	97
44)	Acenaphthene	12.02	153	2149576	23.23 ug/mL	100
45)	2,4-Dinitrophenol	12.09	184	315693	27.34 ug/mL	97
46)	4-Nitrophenol	12.22	109	300710	25.55 ug/mL	97
47)	Dibenzofuran	12.30	168	3154599	22.69 ug/mL	99
48)	2,4-Dinitrotoluene	12.31	165	713674	23.16 ug/mL	95
49)	Fluorene	12.85	166	2520127	23.80 ug/mL	99
50)	Diethylphthalate	12.73	149	2414225	22.87 ug/mL	100
51)	4-Chlorophenyl phenyl ethe	12.87	204	1258383	23.70 ug/mL	98
52)	4-Nitroaniline	12.98	138	157753m	25.35 ug/mL	
56)	4,6-Dinitro-2-methylphenol	12.96	198	443069	26.99 ug/mL	95
57)	Diphenylamine	13.07	169	587857	14.07 ug/mL	98
58)	4-bromophenyl phenyl ether	13.66	248	658992	23.51 ug/mL	95
59)	Hexachlorobenzene	13.74	284	644380	24.49 ug/mL	99
60)	Pentachlorophenol	14.06	266	443873	28.00 ug/mL	99
61)	Phenanthrene	14.39	178	3478639	23.99 ug/mL	99
62)	Carbazole	14.75	167	1130745	12.35 ug/mL	99
63)	Anthracene	14.47	178	3195793	23.57 ug/mL	100
64)	Azobenzene	13.12	77	3320346	22.41 ug/mL	99
65)	Di-n-Butylphthalate	15.37	149	4051167	22.71 ug/mL	99
66)	Fluoranthene	16.31	202	3638465	23.86 ug/mL	99
67)	alpha-BHC	13.67	183	437073	22.16 ug/mL	97
68)	beta-BHC	14.00	181	385310	23.78 ug/mL	99
69)	gamma-BHC	14.14	183	384738	22.96 ug/mL	100
70)	delta-BHC	14.50	183	346479	23.11 ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212609.D Vial: 9
Acq On : 12 Dec 2005 4:01 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 16:31 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:02:20 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.16	100	544916	23.29 ug/mL	96
72)	Aldrin	15.66	66	632620	21.55 ug/mL	96
73)	Heptachlor Epoxide	16.17	353	171543	26.21 ug/mL	98
74)	Endosulfan I	16.67	195	112037	20.69 ug/mL	93
75)	4,4'-DDE	16.88	246	745659	23.76 ug/mL	100
76)	Dieldrin	17.01	79	754884	21.63 ug/mL	97
77)	Endrin	17.01	263	114851	25.25 ug/mL	88
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.41	235	1266470	22.86 ug/mL	100
80)	Endosulfan Sulfate	17.88	272	130304	21.10 ug/mL	97
81)	4,4'-DDT	17.41	235	1266470	22.86 ug/mL	99
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.51	317	135517	25.61 ug/mL	96
84)	Methoxychlor	18.55	227	2218653	25.47 ug/mL	99
86)	Pyrene	16.67	202	3293865	21.27 ug/mL	100
87)	Butylbenzylphthalate	17.78	149	1742387	22.39 ug/mL	98
88)	Benzo[a]anthracene	18.60	228	3062676	24.64 ug/mL	98
89)	3,3'-Dichlorobenzidine	18.59	252	255059	36.57 ug/mL	95
90)	Chrysene	18.66	228	2913752	24.70 ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	18.73	149	2416293	21.95 ug/mL	99
94)	Di-n-octylphthalate	19.73	149	4248167	20.90 ug/mL	100
95)	Benzo[b]fluoranthene	20.31	252	2894551	24.01 ug/mL	99
96)	Benzo[k]fluoranthene	20.36	252	2665270	23.52 ug/mL	99
97)	Benzo[a]pyrene	20.89	252	2378894	24.62 ug/mL	98
98)	Indeno(1,2,3-c,d)pyrene	23.41	276	1705669	26.48 ug/mL	100
99)	Dibenzo[a,h]anthracene	23.49	278	1635833	27.38 ug/mL	97
100)	Benzo[g,h,i]perylene	24.15	276	1742233	26.23 ug/mL	99

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

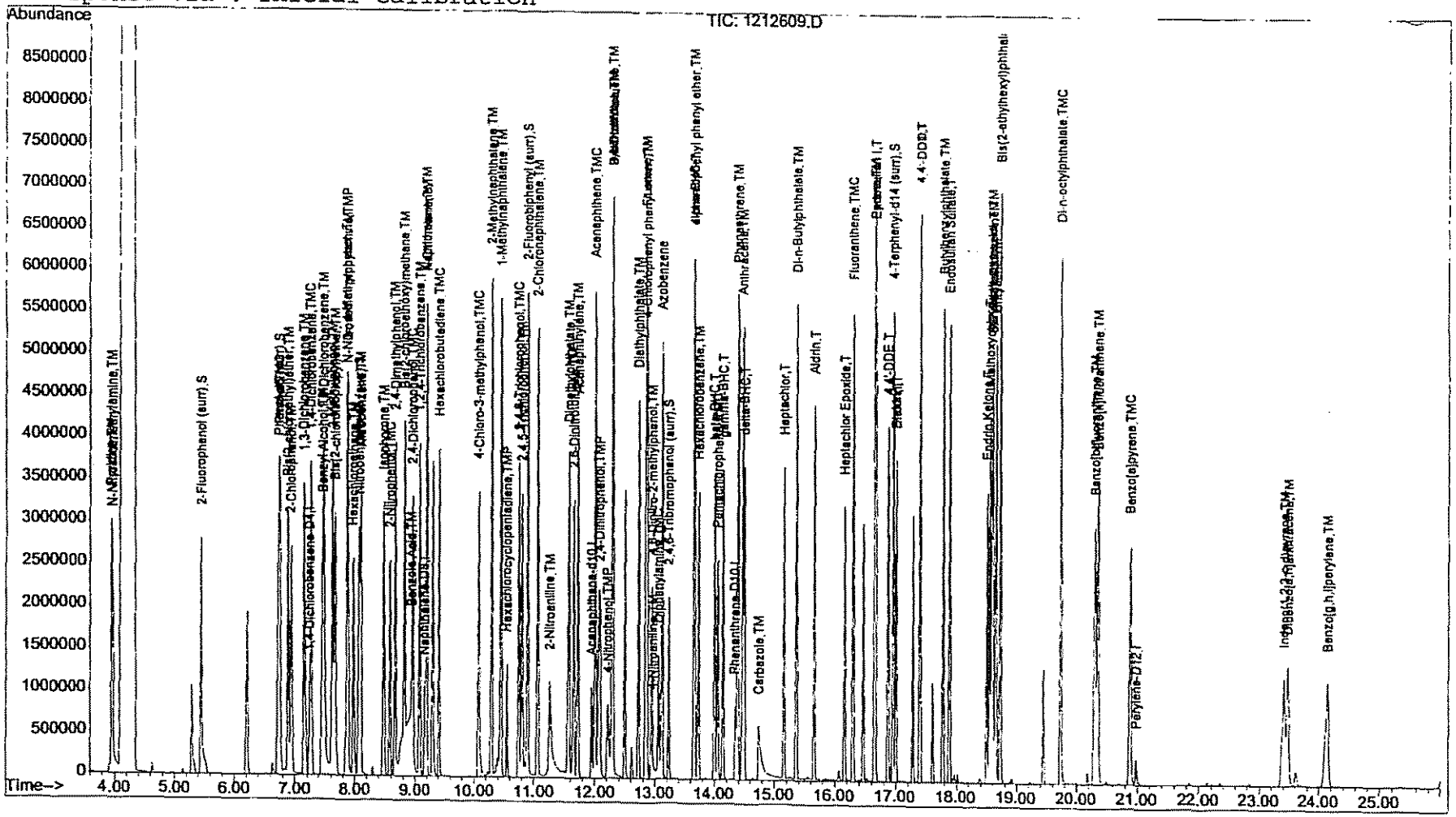
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212609.D
Acq On : 12 Dec 2005 4:01 pm
Sample : SVCAL24
Misc : (W17-A]
MS Integration Params: LSCINT.P
Quant Time: Dec 12 16:31 2005

Vial: 9
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration



1212609.D 8270.M Mon Dec 12 16:41:46 2005 ENV

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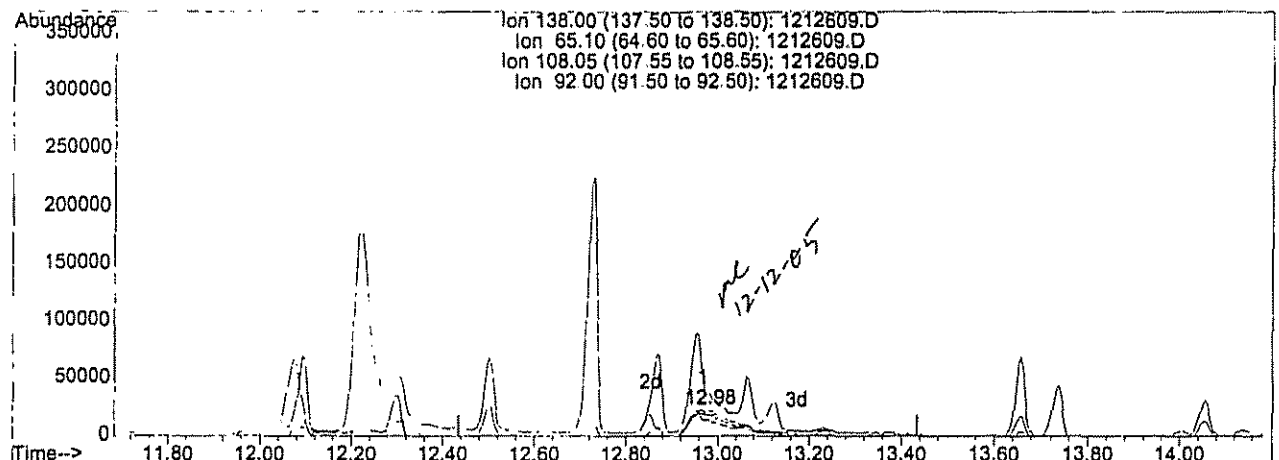
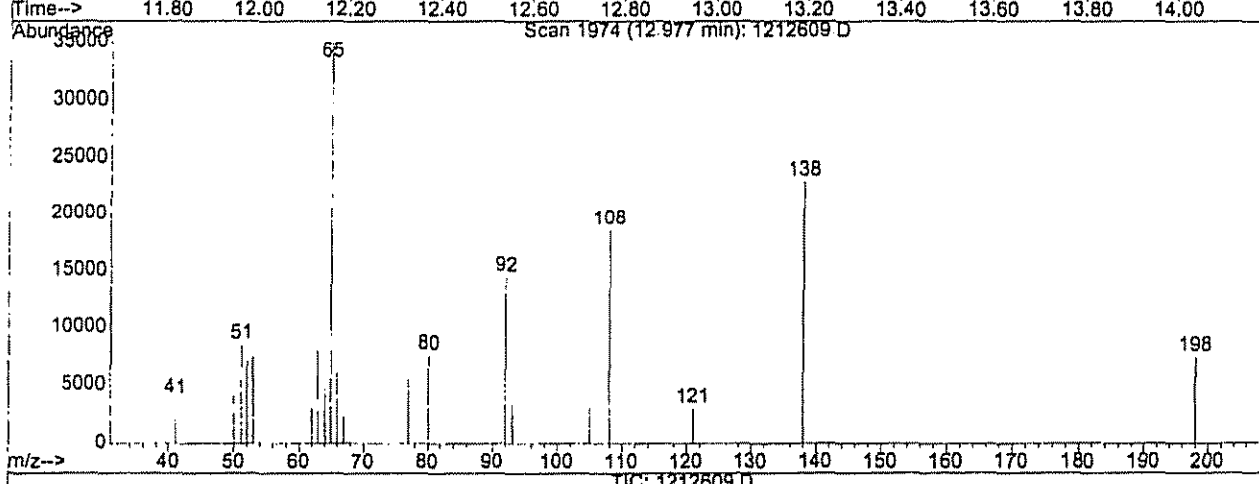
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212609.D Vial: 9
Acq On : 12 Dec 2005 4:01 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 16:31 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:02:20 2005
Response via : Multiple Level Calibration





TIC: 1212609.D

(52) 4-Nitroaniline (TM)

12.98min 25.35ug/mL m

response 157753

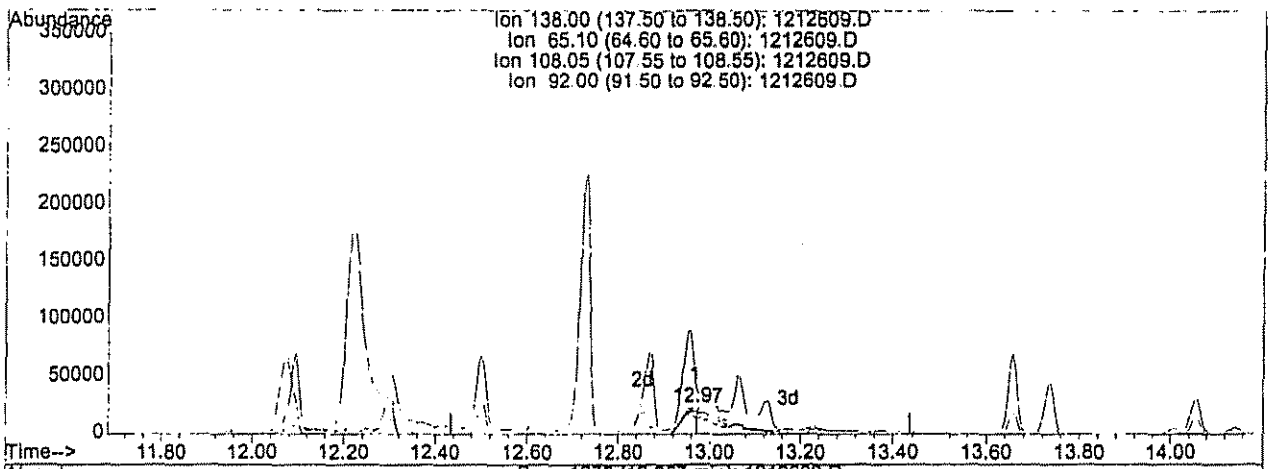
Ion	Exp%	Act%
138.00	100	100
65.10	233.10	152.77#
108.05	90.20	81.34
92.00	74.00	63.18

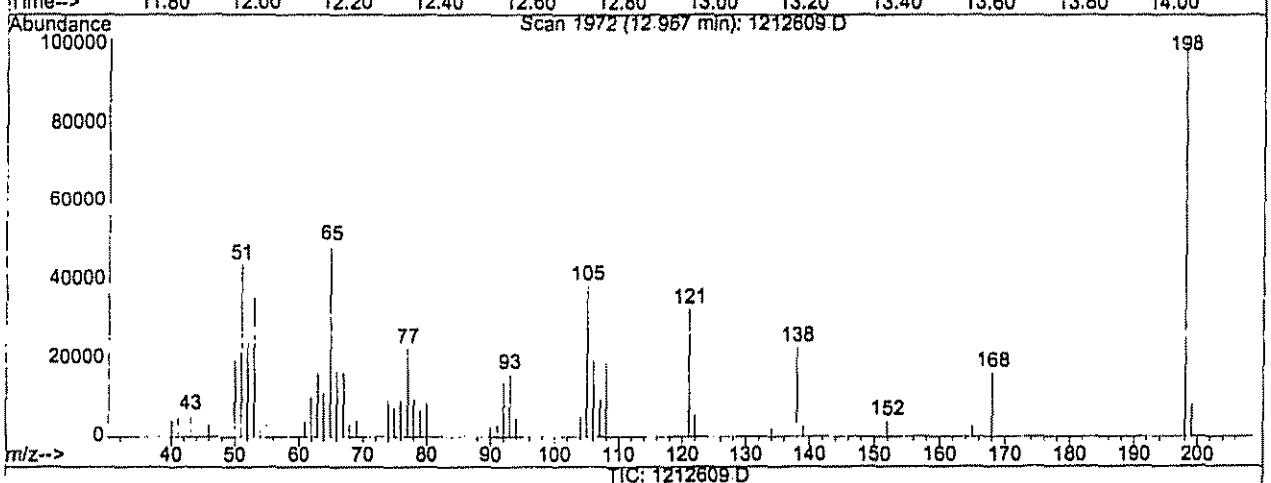
1212609.D 8270.M Mon Dec 12 16:31:20 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212609.D Vial: 9
Acq On : 12 Dec 2005 4:01 pm Operator: MRC
Sample : SVCAL24 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 16:27 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:02:20 2005
Response via : Multiple Level Calibration





(52) 4-Nitroaniline (TM)

12.97min 8.63ug/mL

response 53676

Ion	Exp%	Act%
138.00	100	100
65.10	233.10	195.08
108.05	90.20	83.42
92.00	74.00	61.47

1212609.D 8270.M Mon Dec 12 16:31:16 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212602.D Vial: 2
Acq On : 12 Dec 2005 9:40 am Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:26 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 09:35:23 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MC 12-12-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.24	152	154630	4.00	ug/mL	0.00
18) Naphthalene-D8	9.18	136	665102	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.96	164	374113	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.36	188	540017	4.00	ug/mL	0.00
85) Chrysene-D12	18.63	240	378227	4.00	ug/mL	0.00
93) Perylene-D12	20.99	264	188194	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.47	112	2318377	46.92	ug/mL	0.00
Spiked Amount 10.000			Recovery = 469.20%			
17) Phenol-d6 (surr)	6.76	99	3518709	46.34	ug/mL	0.00
Spiked Amount 10.000			Recovery = 463.40%			
32) Nitrobenzene-d5 (surr)	8.10	128	1277500	45.26	ug/mL	0.00
Spiked Amount 10.000			Recovery = 452.60%			
53) 2-Fluorobiphenyl (surr)	10.92	172	4910664	40.78	ug/mL	0.00
Spiked Amount 10.000			Recovery = 407.80%			
54) 2,4,6-Tribromophenol (surr	13.25	330	538112	58.75	ug/mL	0.00
Spiked Amount 10.000			Recovery = 587.50%			
92) 4-Terphenyl-d14 (surr)	16.98	244	4434261	43.32	ug/mL	0.00
Spiked Amount 10.000			Recovery = 433.20%			
Target Compounds						Qvalue
2) Pyridine	4.02	79	2611210	86.70	ug/mL	92
3) N-Nitrosodimethylamine	4.08	74	1358557	51.37	ug/mL#	3
4) Phenol	6.78	94	3524414	44.37	ug/mL	98
5) Bis(2-chloroethyl)ether	6.91	93	2871026	43.42	ug/mL	100
6) 2-Chlorophenol	6.95	128	2654286	46.87	ug/mL	99
7) Benzyl Alcohol	7.48	108	1599444	42.03	ug/mL	99
8) 1,3-Dichlorobenzene	7.17	146	2625843	44.73	ug/mL	100
9) 1,4-Dichlorobenzene	7.27	146	2649820	44.43	ug/mL	99
10) 1,2-Dichlorobenzene	7.49	146	2308601	43.41	ug/mL	99
11) 2-Methylphenol	7.65	107	2288284	47.42	ug/mL	98
12) 3-, 4-Methylphenol	7.90	107	3253861m	46.93	ug/mL	
13) Bis(2-chloroisopropyl)ethe	7.68	45	4772842	45.20	ug/mL	99
14) N-Nitrosodi-n-propylamine	7.93	70	1759757	47.23	ug/mL	99
15) Hexachloroethane	7.99	117	1021301	44.83	ug/mL	99
19) Nitrobenzene	8.13	77	3219035	41.17	ug/mL	98
20) Isophorone	8.52	82	5103146	45.22	ug/mL	99
21) 2-Nitrophenol	8.60	139	1386880	50.14	ug/mL	98
22) 2,4-Dimethylphenol	8.70	122	2050576	43.59	ug/mL	99
23) Benzoic Acid	9.04	122	1726791m	83.10	ug/mL	
24) Bis(2-chloroethoxy)methane	8.85	93	3391282	42.59	ug/mL	99

(#) = qualifier out of range (m) = manual integration
1212602.D 8270.M Mon Dec 12 16:40:16 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212602.D Vial: 2
Acq On : 12 Dec 2005 9:40 am Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:26 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 09:35:23 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	2,4-Dichlorophenol	8.98	162	2050220	45.88	ug/mL	99
26)	1,2,4-Trichlorobenzene	9.10	180	2126764	43.14	ug/mL	99
27)	Naphthalene	9.21	128	6845764	41.69	ug/mL	100
28)	4-Chloroaniline	9.21	127	898555	42.68	ug/mL	97
29)	Hexachlorobutadiene	9.42	225	1156519	41.01	ug/mL	100
30)	4-Chloro-3-methylphenol	10.09	107	2477430	44.74	ug/mL	99
31)	2-Methylnaphthalene	10.31	142	4768451	42.36	ug/mL	97
34)	Hexachlorocyclopentadiene	10.56	237	575504	113.56	ug/mL	99
35)	2,4,6-Trichlorophenol	10.77	196	1573272	47.31	ug/mL	100
36)	2,4,5-Trichlorophenol	10.82	196	1552337	46.63	ug/mL	99
37)	2-Chloronaphthalene	11.08	162	4398588	41.25	ug/mL	98
38)	2-Nitroaniline	11.29	65	1370221	40.24	ug/mL	97
39)	3-Nitroaniline	12.31	138	104361	37.90	ug/mL	98
40)	1-Methylnaphthalene	10.47	142	4302148	41.00	ug/mL	98
41)	Dimethylphthalate	11.61	163	5291954	43.05	ug/mL	99
42)	Acenaphthylene	11.74	152	4320415	34.44	ug/mL	99
43)	2,6-Dinitrotoluene	11.69	165	1204888	46.24	ug/mL	95
44)	Acenaphthene	12.03	153	4008101	41.89	ug/mL	98
45)	2,4-Dinitrophenol	12.11	184	623278	70.13	ug/mL	99
46)	4-Nitrophenol	12.26	109	635313	53.75	ug/mL	93
47)	Dibenzofuran	12.31	168	5748796	39.74	ug/mL	99
48)	2,4-Dinitrotoluene	12.33	165	1357243	42.44	ug/mL	97
49)	Fluorene	12.86	166	4380711	39.44	ug/mL	99
50)	Diethylphthalate	12.75	149	4549609	39.15	ug/mL	99
51)	4-Chlorophenyl phenyl ethe	12.88	204	2206353	40.14	ug/mL	100
52)	4-Nitroaniline	13.04	138	203907	39.54	ug/mL#	73
56)	4,6-Dinitro-2-methylphenol	12.98	198	897078	66.33	ug/mL	98
57)	Diphenylamine	13.08	169	720800	18.55	ug/mL	99
58)	4-bromophenyl phenyl ether	13.68	248	1202101	41.45	ug/mL	99
59)	Hexachlorobenzene	13.75	284	1280149	47.42	ug/mL	98
60)	Pentachlorophenol	14.07	266	916895	69.73	ug/mL	99
61)	Phenanthrene	14.41	178	6384179	42.50	ug/mL	100
62)	Carbazole	14.75	167	1600160	18.79	ug/mL	96
63)	Anthracene	14.49	178	5748672	40.81	ug/mL	99
64)	Azobenzene	13.14	77	6117973	39.08	ug/mL	99
65)	Di-n-Butylphthalate	15.39	149	7421796	39.80	ug/mL	100
66)	Fluoranthene	16.32	202	6614371	43.59	ug/mL	99
67)	alpha-BHC	13.68	183	796890	37.31	ug/mL	100
68)	beta-BHC	14.03	181	725158	40.79	ug/mL	96
69)	gamma-BHC	14.16	183	726121	39.91	ug/mL	99
70)	delta-BHC	14.52	183	623409	38.24	ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212602.D Vial: 2
Acq On : 12 Dec 2005 9:40 am Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:26 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 09:35:23 2005
Response via : Initial Calibration
DataAcq Meth : 8270

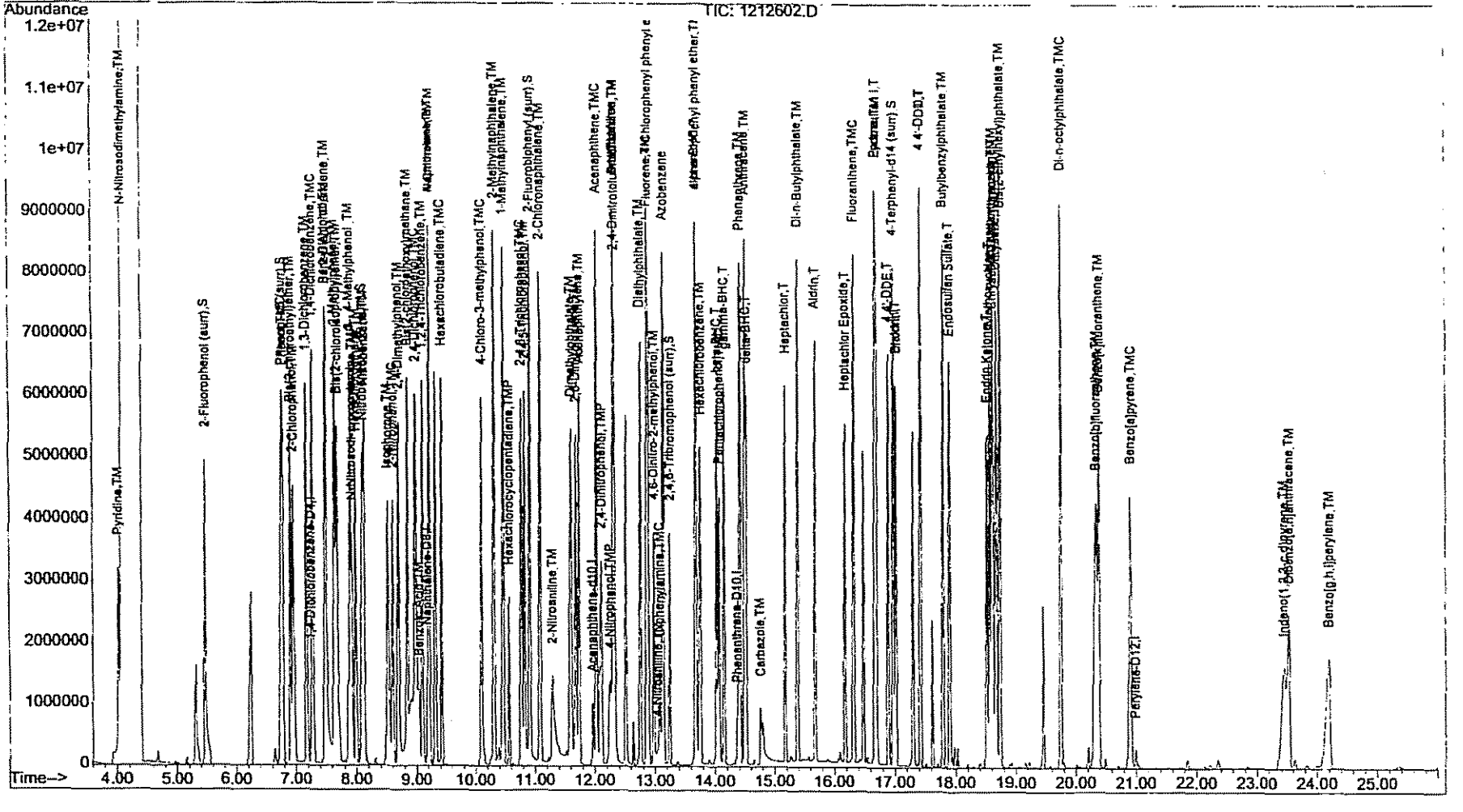
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.17	100	973301	45.30 ug/mL	98
72)	Aldrin	15.67	66	1088667	35.61 ug/mL	97
73)	Heptachlor Epoxide	16.17	353	344225	51.95 ug/mL	99
74)	Endosulfan I	16.69	195	195327	33.09 ug/mL	100
75)	4,4'-DDE	16.89	246	1376005	41.74 ug/mL	99
76)	Dieldrin	17.02	79	1387385	38.60 ug/mL	100
77)	Endrin	17.02	263	220467	44.35 ug/mL	98
78)	Endosulfan II	0.00	30	0	N.D.	
79)	4,4'-DDD	17.43	235	2204757	40.16 ug/mL	100
80)	Endosulfan Sulfate	17.89	272	121940	20.49 ug/mL	99
81)	4,4'-DDT	17.43	235	2204757	40.16 ug/mL	100
82)	Endrin Aldehyde	0.00	30	0	N.D.	
83)	Endrin Ketone	18.52	317	267882	50.95 ug/mL	98
84)	Methoxychlor	18.56	227	3986769	51.69 ug/mL#	100
86)	Pyrene	16.70	202	5528257	36.65 ug/mL	100
87)	Butylbenzylphthalate	17.80	149	3187741	41.62 ug/mL	99
88)	Benzo[a]anthracene	18.62	228	5426967	45.20 ug/mL	99
89)	3,3'-Dichlorobenzidine	18.61	252	461816	36.01 ug/mL	95
90)	Chrysene	18.68	228	5072280	44.43 ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	18.74	149	4261004	38.61 ug/mL	99
94)	Di-n-octylphthalate	19.75	149	7441772	40.92 ug/mL	100
95)	Benzo[b]fluoranthene	20.34	252	5744372	51.93 ug/mL	99
96)	Benzo[k]fluoranthene	20.39	252	4457386m	42.56 ug/mL	
97)	Benzo[a]pyrene	20.91	252	4366028	47.75 ug/mL	100
98)	Indeno(1,2,3-c,d)pyrene	23.44	276	3294546	51.20 ug/mL	100
99)	Dibenzo[a,h]anthracene	23.52	278	3077468	50.55 ug/mL	99
100)	Benzo[g,h,i]perylene	24.19	276	3142647	48.93 ug/mL	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212602.D Vial: 2
Acq On : 12 Dec 2005 9:40 am Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:26 2005 Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration

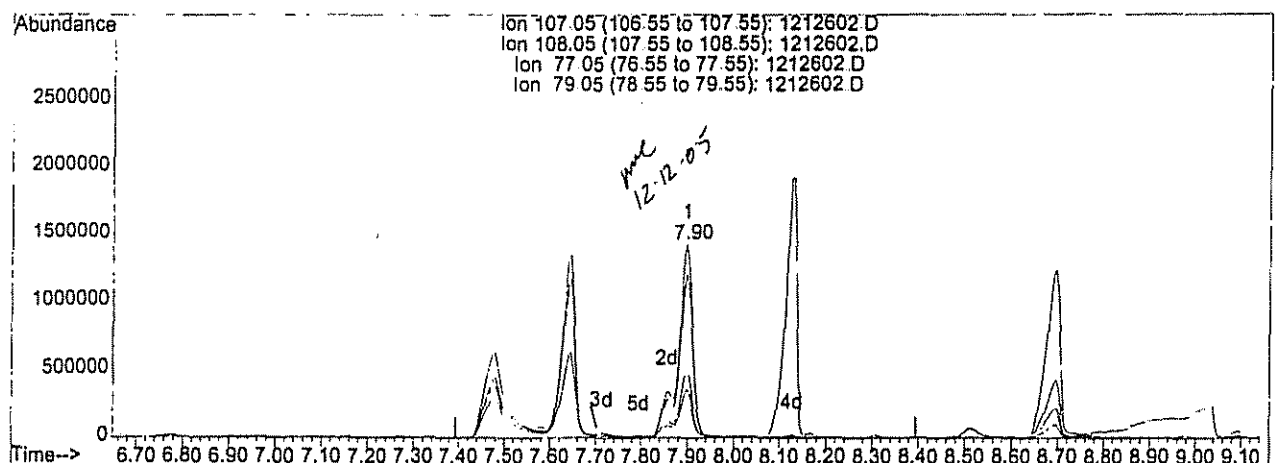


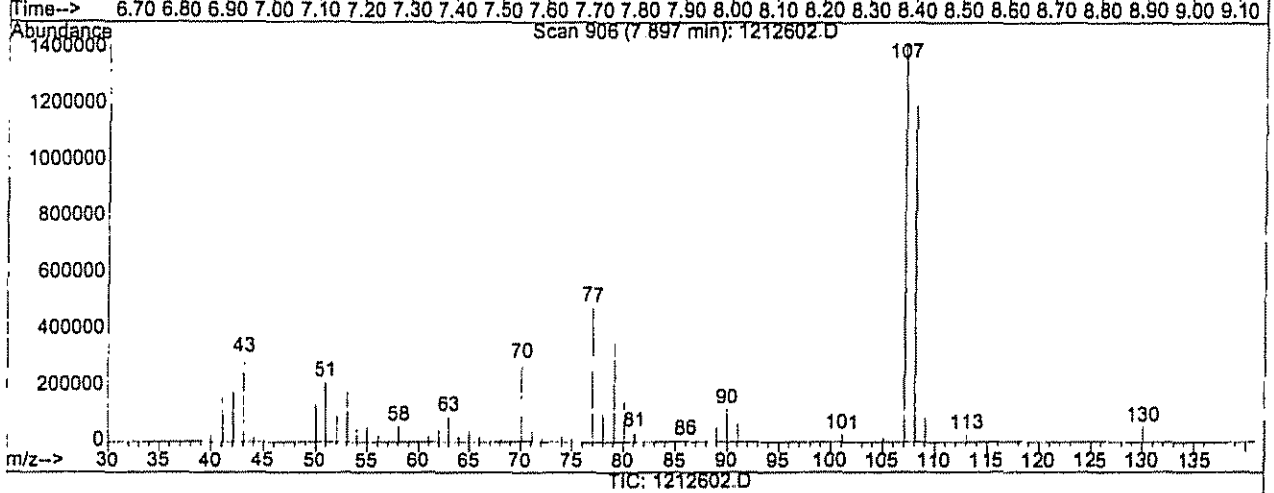
N.C. CERTIFICATION #481
PARADIGM ANALYTICAL LABORATORIES, INC

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212602.D Vial: 2
Acq On : 12 Dec 2005 9:40 am Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:25 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 09:35:23 2005
Response via : Multiple Level Calibration





(12) 3-, 4-Methylphenol (TM)

7.90min 46.93ug/mL m

response 3253861

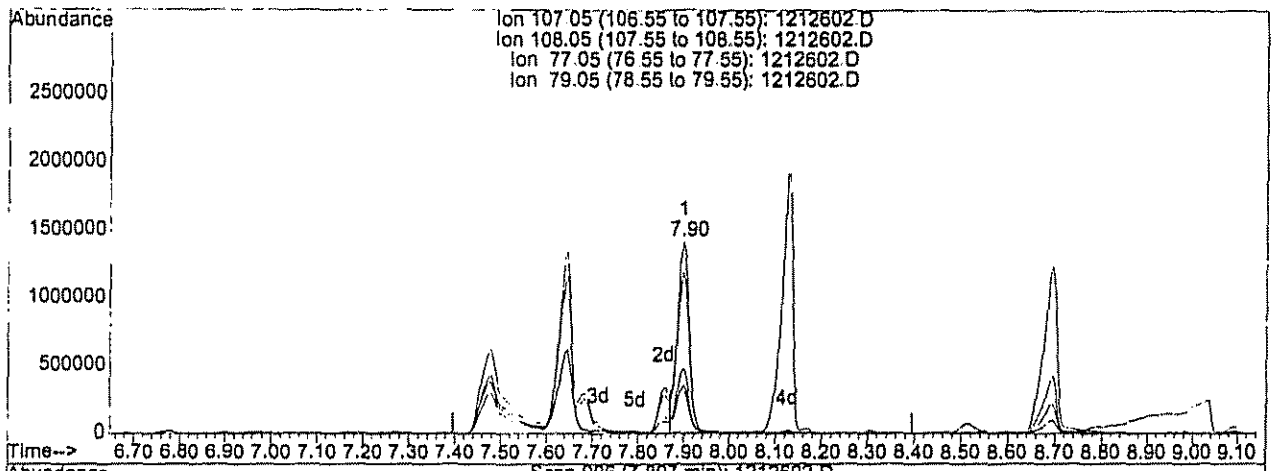
Ion	Exp%	Act%
107.05	100	100
108.05	83.30	84.46
77.05	35.30	34.01
79.05	25.80	25.37

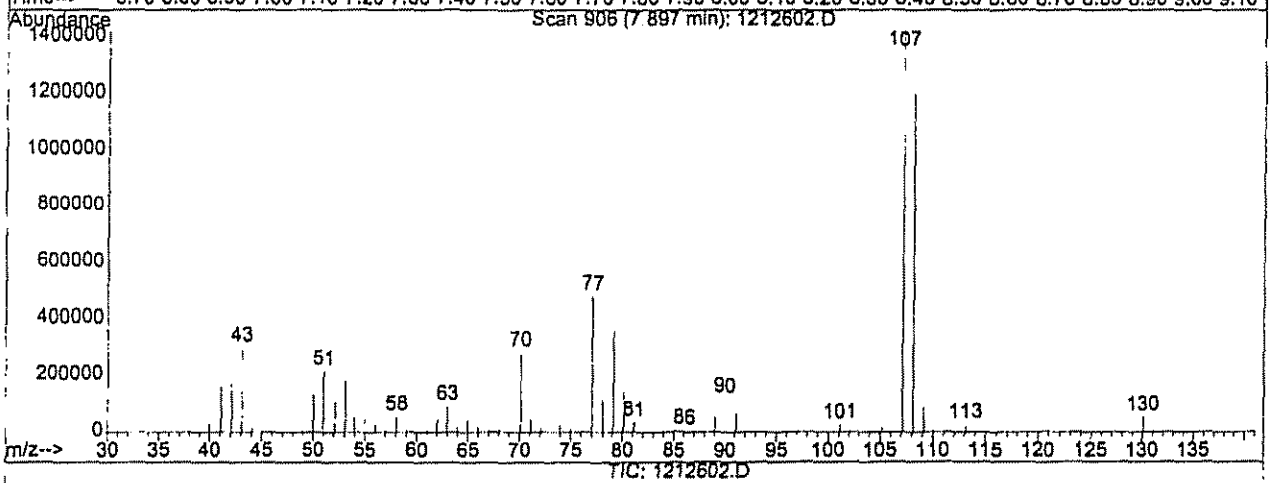
1212602.D 8270.M Mon Dec 12 11:25:26 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212602.D Vial: 2
Acq On : 12 Dec 2005 9:40 am Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 10:06 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 09:35:23 2005
Response via : Multiple Level Calibration





TIC: 1212602.D

(12) 3-, 4-Methylphenol (TM)

7.90min 38.11ug/mL

response 2642296

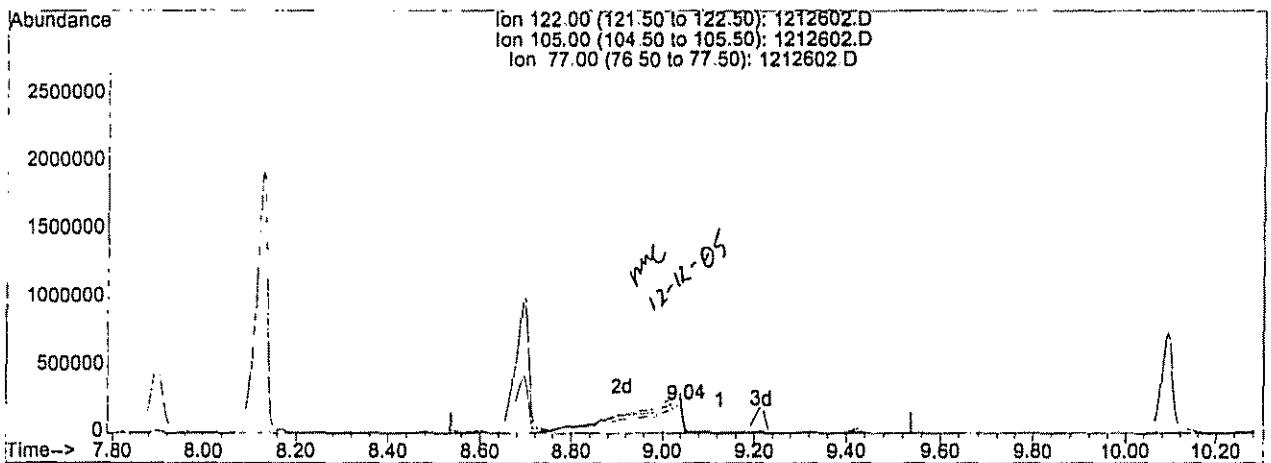
Ion	Exp%	Act%
107.05	100	100
108.05	83.30	84.30
77.05	35.30	33.69
79.05	25.80	24.87

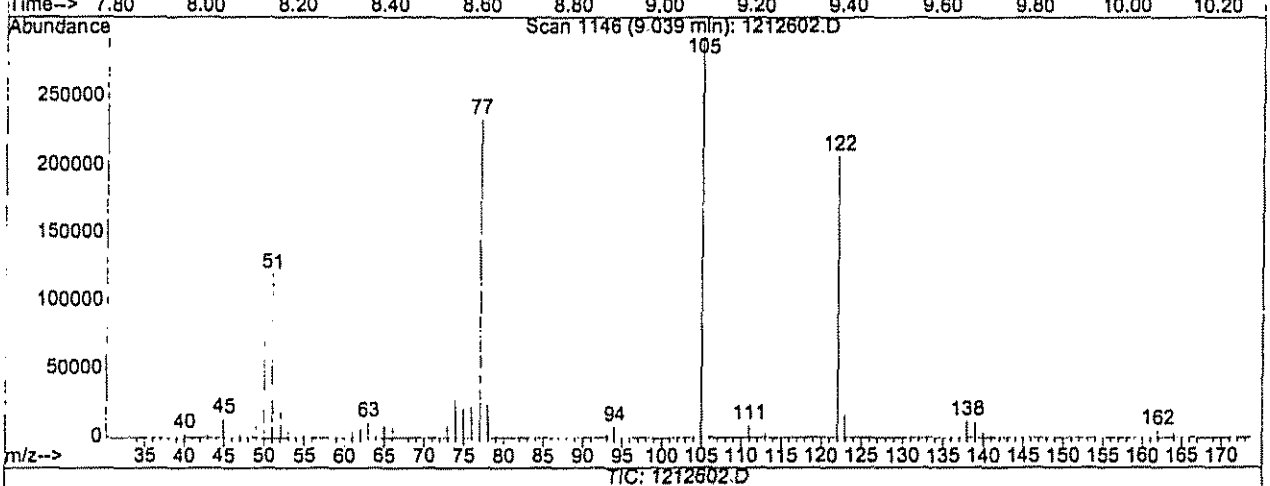
1212602.D 8270.M Mon Dec 12 11:25:22 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212602.D Vial: 2
Acq On : 12 Dec 2005 9:40 am Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:25 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 09:35:23 2005
Response via : Multiple Level Calibration





(23) Benzoic Acid (TM)

9.04min 83.10ug/mL m

response 1726791

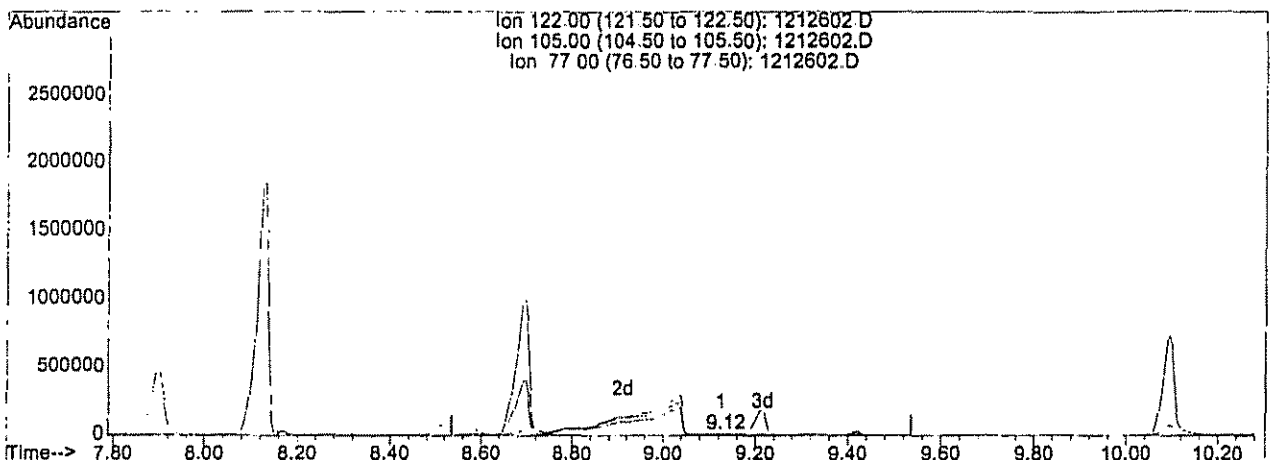
Ion	Exp%	Act%
122.00	100	100
105.00	26.10	0.00#
77.00	26.10	0.00#
0.00	0.00	0.00

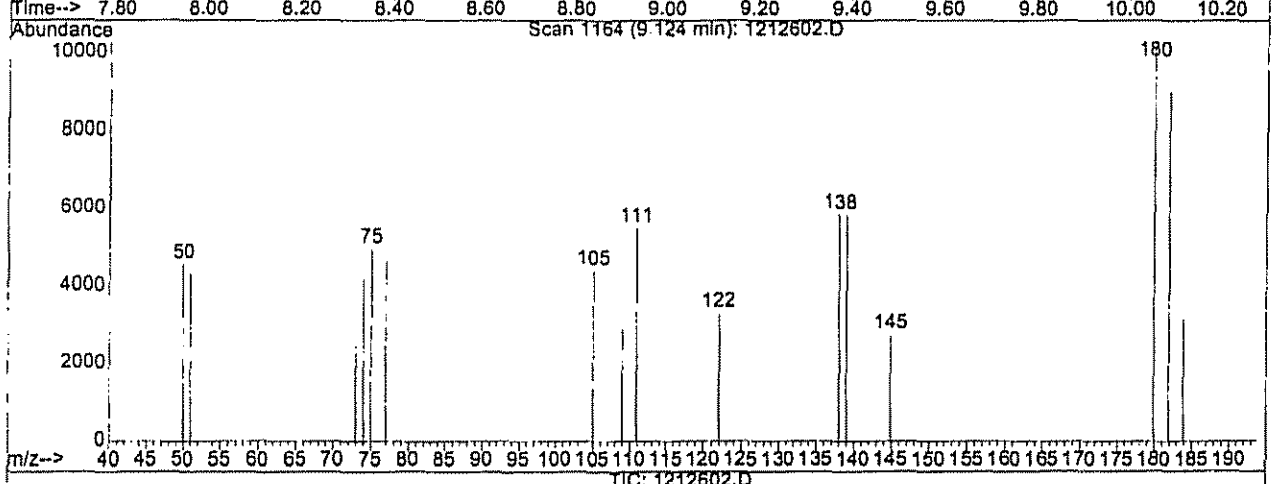
1212602.D 8270.M Mon Dec 12 11:25:38 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212602.D Vial: 2
Acq On : 12 Dec 2005 9:40 am Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:25 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 09:35:23 2005
Response via : Multiple Level Calibration





TIC: 1212602.D

(23) Benzoic Acid (TM)

9.12min 0.19ug/mL

response 4035

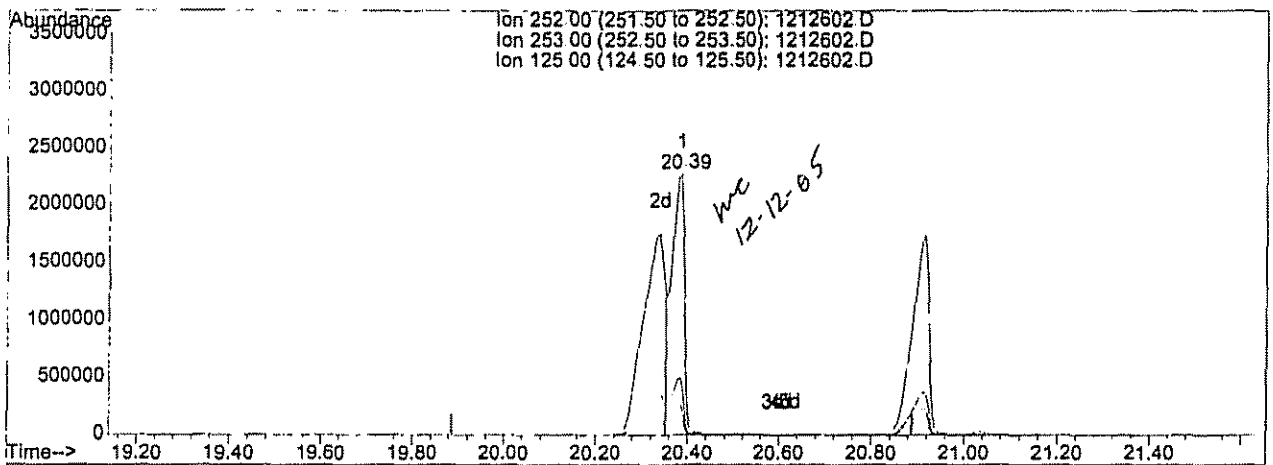
Ion	Exp%	Act%
122.00	100	100
105.00	26.10	0.00#
77.00	26.10	0.00#
0.00	0.00	0.00

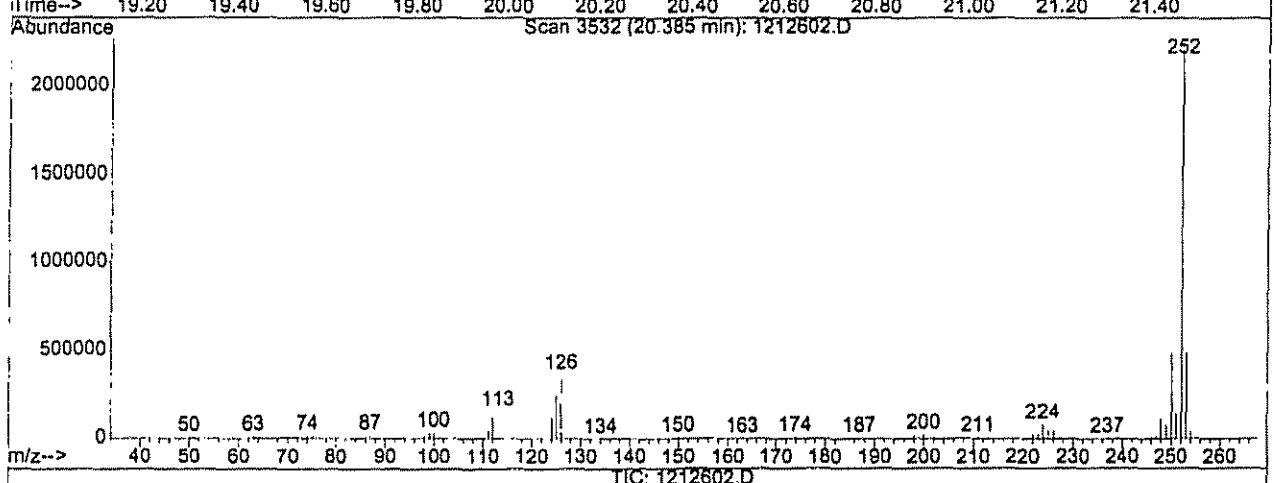
1212602.D 8270.M Mon Dec 12 11:25:34 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212602.D Vial: 2
Acq On : 12 Dec 2005 9:40 am Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:26 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 09:35:23 2005
Response via : Multiple Level Calibration





TIC: 1212602.D

(96) Benzo[k]fluoranthene (TM)

20.39min 42.56ug/mL m

response 4457386

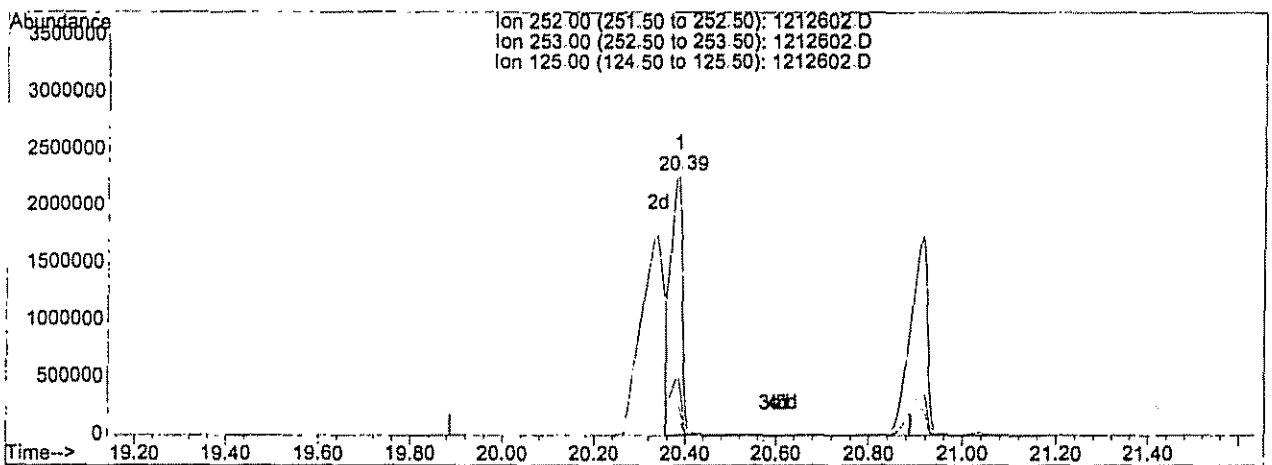
Ion	Exp%	Act%
252.00	100	100
253.00	21.80	21.72
125.00	11.50	11.31
0.00	0.00	0.00

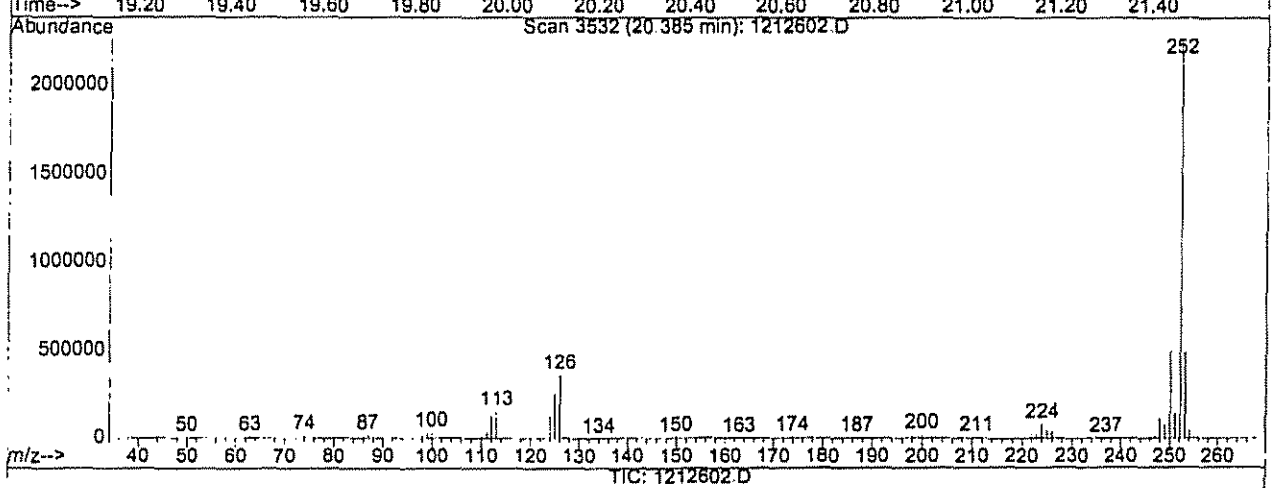
1212602.D 8270.M Mon Dec 12 11:26:24 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212602.D Vial: 2
Acq On : 12 Dec 2005 9:40 am Operator: MRC
Sample : SVCAL48 Inst : MSD6
Misc : (W17-A] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 11:25 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 09:35:23 2005
Response via : Multiple Level Calibration





TIC: 1212602.D

(96) Benzo[k]fluoranthene (TM)

20.39min 38.68ug/mL

response 4050802

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	21.66
125.00	11.50	11.34
0.00	0.00	0.00

1212602.D 8270.M Mon Dec 12 11:26:21 2005 ENV

625-BN CVS Raw Data

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\6121205\1212613.D Vial: 3
Acq On : 12 Dec 2005 5:41 pm Operator: MRC
Sample : SVCVS06 Inst : MSD6
Misc : (W17-N] Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 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 : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	104	0.00
2	TM	Pyridine	1.678	1.914	-14.1	102	-0.04
3	TM	N-Nitrosodimethylamine	1.007	1.119	-11.1	101	-0.08
4	TMC	Phenol	2.082	2.267	-8.9	105	-0.02
5	TM	Bis(2-chloroethyl)ether	1.775	1.937	-9.1	104	-0.01
6	TM	2-Chlorophenol	1.491	1.592	-6.8	104	0.00
7	TM	Benzyl Alcohol	0.970	1.017	-4.8	94	0.00
8	TM	1,3-Dichlorobenzene	1.522	1.626	-6.8	103	0.00
9	TMC	1,4-Dichlorobenzene	1.555	1.663	-6.9	103	0.00
10	TM	1,2-Dichlorobenzene	1.400	1.505	-7.5	104	0.00
11	TM	2-Methylphenol	1.272	1.374	-8.0	104	0.00
12	TM	3-, 4-Methylphenol	1.804	1.954	-8.3	107	-0.02
13	TM	Bis(2-chloroisopropyl)ether	2.961	3.160	-6.7	101	0.00
14	TMP	N-Nitrosodi-n-propylamine	1.011	1.081	-6.9	105	-0.02
15	TM	Hexachloroethane	0.586	0.631	-7.7	103	0.00
16	S	2-Fluorophenol (surr)	1.324	1.425	-7.6	103	-0.01
17	S	Phenol-d6 (surr)	2.015	2.179	-8.1	105	-0.02
18	I	Naphthalene-D8	1.000	1.000	0.0	103	0.00
19	TM	Nitrobenzene	0.463	0.508	-9.7	103	-0.01
20	TM	Isophorone	0.681	0.731	-7.3	102	-0.02
21	TMC	2-Nitrophenol	0.193	0.197	-2.1	105	0.00
22	TM	2,4-Dimethylphenol	0.267	0.287	-7.5	105	-0.01
23	TM	Benzoic Acid	0.184	0.202	-9.8	115	-0.11
24	TM	Bis(2-chloroethoxy)methane	0.478	0.520	-8.8	104	-0.01
25	TMC	2,4-Dichlorophenol	0.259	0.273	-5.4	100	-0.01
26	TM	1,2,4-Trichlorobenzene	0.292	0.319	-9.2	103	0.00
27	TM	Naphthalene	0.984	1.073	-9.0	104	0.00
28	TM	4-Chloroaniline	0.124	0.136	-9.7	104	0.00
29	TMC	Hexachlorobutadiene	0.159	0.177	-11.3	105	0.00
30	TMC	4-Chloro-3-methylphenol	0.320	0.334	-4.4	99	0.00
31	TM	2-Methylnaphthalene	0.676	0.737	-9.0	102	0.00
32	S	Nitrobenzene-d5 (surr)	0.173	0.186	-7.5	103	-0.01
33	I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00
34	TMP	Hexachlorocyclopentadiene	0.115	0.126	-9.6	111	0.00
35	TMC	2,4,6-Trichlorophenol	0.366	0.384	-4.9	104	0.00
36	TM	2,4,5-Trichlorophenol	0.363	0.375	-3.3	100	0.00
37	TM	2-Chloronaphthalene	1.141	1.235	-8.2	103	0.00
38	TM	2-Nitroaniline	0.353	0.404	-14.4	114	-0.02
39	TM	3-Nitroaniline	0.025	0.026#	-4.0	104	-0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\6121205\1212613.D Vial: 3
Acq On : 12 Dec 2005 5:41 pm Operator: MRC
Sample : SVCVS06 Inst : MSD6
Misc : (W17-N] Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 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 : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	TM	1-Methylnaphthalene	1.139	1.245	-9.3	103	0.00
41	TM	Dimethylphthalate	1.301	1.391	-6.9	103	-0.02
42	TM	Acenaphthylene	1.361	1.529	-12.3	102	0.00
43	TM	2,6-Dinitrotoluene	0.286	0.303	-5.9	101	-0.02
44	TMC	Acenaphthene	1.036	1.106	-6.8	102	0.00
45	TMP	2,4-Dinitrophenol	0.132	0.145	-9.8	108	0.00
46	TMP	4-Nitrophenol	0.137	0.138	-0.7	101	-0.02
47	TM	Dibenzofuran	1.557	1.700	-9.2	105	0.00
48	TM	2,4-Dinitrotoluene	0.343	0.374	-9.0	105	-0.02
49	TM	Fluorene	1.191	1.304	-9.5	104	0.00
50	TM	Diethylphthalate	1.177	1.271	-8.0	103	-0.01
51	TM	4-Chlorophenyl phenyl ether	0.598	0.646	-8.0	102	0.00
52	TM	4-Nitroaniline	0.079	0.110	-39.2#	131	-0.07
53	S	2-Fluorobiphenyl (surr)	1.296	1.382	-6.6	102	0.00
54	S	2,4,6-Tribromophenol (surr)	0.111	0.119	-7.2	106	-0.01
55	I	Phenanthrene-D10	1.000	1.000	0.0	106	0.00
56	TM	4,6-Dinitro-2-methylphenol	0.129	0.142	-10.1	109	-0.02
57	TMC	Diphenylamine	0.392	0.362	7.7	103	-0.01
58	TM	4-bromophenyl phenyl ether	0.219	0.236	-7.8	105	0.00
59	TM	Hexachlorobenzene	0.205	0.212	-3.4	102	0.00
60	TMC	Pentachlorophenol	0.126	0.135	-7.1	106	0.00
61	TM	Phenanthrene	1.128	1.212	-7.4	108	-0.01
62	TM	Carbazole	0.781	0.934	-19.6	121	0.00
63	TM	Anthracene	1.049	1.142	-8.9	107	-0.01
64		Azobenzene	1.145	1.238	-8.1	105	0.00
65	TM	Di-n-Butylphthalate	1.382	1.458	-5.5	101	0.00
66	TMC	Fluoranthene	1.185	1.288	-8.7	108	-0.01
67	T	alpha-BHC	0.151	0.162	-7.3	102	-0.01
68	T	beta-BHC	0.124	0.134	-8.1	102	-0.01
69	T	gamma-BHC	0.128	0.139	-8.6	104	0.00
70	T	delta-BHC	0.114	0.126	-10.5	104	0.00
71	T	Heptachlor	0.183	0.198	-8.2	101	0.00
72	T	Aldrin	0.226	0.243	-7.5	101	0.00
73	T	Heptachlor Epoxide	0.051	0.054	-5.9	103	0.00
74	T	Endosulfan I	0.041	0.047#	-14.6	102	-0.01
75	T	4,4'-DDE	0.243	0.255	-4.9	102	0.00
76	T	Dieldrin	0.269	0.286	-6.3	102	0.00
77	T	Endrin	0.035	0.039#	-11.4	102	0.00
78	T	Endosulfan II	0.000	0.000#	0.0	0#	-19.14#
79	T	4,4'-DDD	0.431	0.470	-9.0	104	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\6121205\1212613.D Vial: 3
Acq On : 12 Dec 2005 5:41 pm Operator: MRC
Sample : SVCVS06 Inst : MSD6
Misc : (W17-N] Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 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 : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	T	Endosulfan Sulfate	0.052	0.059	-13.5	104	0.00
81	T	4,4'-DDT	0.431	0.470	-9.0	104	0.00
82	T	Endrin Aldehyde	0.000	0.000#	0.0	0#	-20.71#
83	T	Endrin Ketone	0.041	0.044#	-7.3	100	0.00
84	T	Methoxychlor	0.684	0.734	-7.3	105	-0.01
85	I	Chrysene-D12	1.000	1.000	0.0	114	0.00
86	TM	Pyrene	1.575	1.687	-7.1	109	-0.02
87	TM	Butylbenzylphthalate	0.795	0.827	-4.0	106	-0.01
88	TM	Benzo[a]anthracene	1.278	1.347	-5.4	113	-0.01
89	TM	3,3'-Dichlorobenzidine	0.062	0.046#	25.8#	148	0.00
90	TM	Chrysene	1.212	1.316	-8.6	116	-0.02
91	TM	Bis(2-ethylhexyl)phthalate	1.125	1.152	-2.4	104	0.00
92	S	4-Terphenyl-d14 (surr)	1.079	1.135	-5.2	110	-0.01
93	I	Perylene-D12	1.000	1.000	0.0	116	0.00
94	TMC	Di-n-octylphthalate	4.122	4.329	-5.0	107	0.00
95	TM	Benzo[b]fluoranthene	2.439	2.585	-6.0	115	-0.02
96	TM	Benzo[k]fluoranthene	2.281	2.481	-8.8	118	-0.02
97	TMC	Benzo[a]pyrene	1.941	2.090	-7.7	117	-0.02
98	TM	Indeno(1,2,3-c,d)pyrene	1.281	1.297	-1.2	117	-0.04
99	TM	Dibenzo[a,h]anthracene	1.191	1.177	1.2	113	-0.03
100	TM	Benzo[g,h,i]perylene	1.334	1.368	-2.5	116	-0.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212613.D Vial: 3
Acq On : 12 Dec 2005 5:41 pm Operator: MRC
Sample : SVCVS06 Inst : MSD6
Misc : (W17-N] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 8:14 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MRC 12-12-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.23	152	187807	4.00	ug/mL	0.00
18) Naphthalene-D8	9.17	136	770615	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.96	164	418399	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.34	188	614961	4.00	ug/mL	0.00
85) Chrysene-D12	18.61	240	468368	4.00	ug/mL	0.00
93) Perylene-D12	20.97	264	215057	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.44	112	401329	6.46	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	64.60%	
17) Phenol-d6 (surr)	6.72	99	613911	6.49	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	64.90%	
32) Nitrobenzene-d5 (surr)	8.07	128	214677	6.45	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	64.50%	
53) 2-Fluorobiphenyl (surr)	10.90	172	867110	6.39	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	63.90%	
54) 2,4,6-Tribromophenol (surr	13.23	330	74430	6.41	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	64.10%	
92) 4-Terphenyl-d14 (surr)	16.95	244	797096	6.31	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	63.10%	
Target Compounds						Qvalue
2) Pyridine	3.91	79	539173m	6.85	ug/mL	
3) N-Nitrosodimethylamine	3.89	74	315341	6.67	ug/mL	98
4) Phenol	6.74	94	638713	6.53	ug/mL	99
5) Bis(2-chloroethyl)ether	6.88	93	545765m	6.55	ug/mL	
6) 2-Chlorophenol	6.94	128	448499	6.41	ug/mL	97
7) Benzyl Alcohol	7.46	108	286533	6.29	ug/mL	96
8) 1,3-Dichlorobenzene	7.15	146	458195	6.41	ug/mL	97
9) 1,4-Dichlorobenzene	7.26	146	468390	6.42	ug/mL	98
10) 1,2-Dichlorobenzene	7.49	146	423961	6.45	ug/mL	100
11) 2-Methylphenol	7.62	107	387101	6.48	ug/mL	99
12) 3-, 4-Methylphenol	7.85	107	550551	6.50	ug/mL	99
13) Bis(2-chloroisopropyl)ethe	7.67	45	890228	6.40	ug/mL	98
14) N-Nitrosodi-n-propylamine	7.87	70	304523	6.42	ug/mL	98
15) Hexachloroethane	7.99	117	177849	6.46	ug/mL	96
19) Nitrobenzene	8.10	77	587140	6.58	ug/mL	99
20) Isophorone	8.47	82	845134	6.44	ug/mL	99
21) 2-Nitrophenol	8.59	139	227453	6.12	ug/mL	99
22) 2,4-Dimethylphenol	8.67	122	331939	6.46	ug/mL	97
23) Benzoic Acid	8.83	122	232991	6.57	ug/mL	98
24) Bis(2-chloroethoxy)methane	8.82	93	601602	6.53	ug/mL	99

(#) = qualifier out of range (m) = manual integration
1212613.D 8270.M Tue Dec 13 08:16:21 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212613.D Vial: 3
Acq On : 12 Dec 2005 5:41 pm Operator: MRC
Sample : SVCVS06 Inst : MSD6
Misc : (W17-N] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 8:14 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	2,4-Dichlorophenol	8.95	162	315946	6.33	ug/mL	98
26)	1,2,4-Trichlorobenzene	9.08	180	368214	6.55	ug/mL	99
27)	Naphthalene	9.20	128	1240833	6.54	ug/mL	98
28)	4-Chloroaniline	9.20	127	156773	6.56	ug/mL	99
29)	Hexachlorobutadiene	9.41	225	204580	6.66	ug/mL	97
30)	4-Chloro-3-methylphenol	10.07	107	385547	6.25	ug/mL	96
31)	2-Methylnaphthalene	10.30	142	851387	6.53	ug/mL	99
34)	Hexachlorocyclopentadiene	10.56	237	79240	6.58	ug/mL	97
35)	2,4,6-Trichlorophenol	10.75	196	241084	6.30	ug/mL	96
36)	2,4,5-Trichlorophenol	10.80	196	235067	6.19	ug/mL	97
37)	2-Chloronaphthalene	11.07	162	775250	6.49	ug/mL	99
38)	2-Nitroaniline	11.25	65	253336	6.87	ug/mL	98
39)	3-Nitroaniline	12.29	138	16450	6.32	ug/mL#	72
40)	1-Methylnaphthalene	10.45	142	781641	6.56	ug/mL	98
41)	Dimethylphthalate	11.57	163	873221	6.41	ug/mL	100
42)	Acenaphthylene	11.72	152	959809	6.74	ug/mL	100
43)	2,6-Dinitrotoluene	11.65	165	190252	6.36	ug/mL	99
44)	Acenaphthene	12.01	153	694094	6.40	ug/mL	98
45)	2,4-Dinitrophenol	12.09	184	90890	6.58	ug/mL	95
46)	4-Nitrophenol	12.20	109	86330	6.04	ug/mL	98
47)	Dibenzofuran	12.29	168	1066896	6.55	ug/mL	99
48)	2,4-Dinitrotoluene	12.29	165	234569	6.54	ug/mL	84
49)	Fluorene	12.84	166	818223	6.57	ug/mL	99
50)	Diethylphthalate	12.72	149	797386	6.48	ug/mL	99
51)	4-Chlorophenyl phenyl ethe	12.87	204	405538	6.48	ug/mL	96
52)	4-Nitroaniline	12.91	138	69125	8.34	ug/mL	87
56)	4,6-Dinitro-2-methylphenol	12.94	198	130783	6.59	ug/mL	96
57)	Diphenylamine	13.06	169	333682	5.54	ug/mL	97
58)	4-bromophenyl phenyl ether	13.65	248	217652	6.48	ug/mL	98
59)	Hexachlorobenzene	13.73	284	195605	6.22	ug/mL	95
60)	Pentachlorophenol	14.05	266	124753	6.44	ug/mL	97
61)	Phenanthrene	14.38	178	1117731	6.45	ug/mL	100
62)	Carbazole	14.74	167	861965	7.17	ug/mL	99
63)	Anthracene	14.46	178	1053032	6.53	ug/mL	100
64)	Azobenzene	13.12	77	1142018	6.49	ug/mL	98
65)	Di-n-Butylphthalate	15.37	149	1344796	6.33	ug/mL	100
66)	Fluoranthene	16.29	202	1187992	6.52	ug/mL	98
67)	alpha-BHC	13.66	183	149364	6.44	ug/mL	91
68)	beta-BHC	13.99	181	123539	6.48	ug/mL	97
69)	gamma-BHC	14.14	183	128283	6.50	ug/mL	98
70)	delta-BHC	14.50	183	115957	6.59	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212613.D Vial: 3
Acq On : 12 Dec 2005 5:41 pm Operator: MRC
Sample : SVCVS06) Inst : MSD6
Misc : (W17-N] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 8:14 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Heptachlor	15.16	100	182702	6.51	ug/mL	91
72)	Aldrin	15.66	66	224105	6.44	ug/mL	93
73)	Heptachlor Epoxide	16.17	353	49462	6.31	ug/mL	95
74)	Endosulfan I	16.66	195	43337	6.88	ug/mL	91
75)	4,4'-DDE	16.87	246	235130	6.31	ug/mL	100
76)	Dieldrin	17.00	79	263963	6.37	ug/mL	96
77)	Endrin	17.00	263	35849	6.66	ug/mL	82
78)	Endosulfan II	0.00	30	0	N.D.		
79)	4,4'-DDD	17.41	235	433495	6.54	ug/mL	100
80)	Endosulfan Sulfate	17.88	272	54389	6.82	ug/mL	93
81)	4,4'-DDT	17.41	235	433495	6.54	ug/mL	100
82)	Endrin Aldehyde	0.00	30	0	N.D.		
83)	Endrin Ketone	18.50	317	40928	6.46	ug/mL	98
84)	Methoxychlor	18.54	227	676984	6.44	ug/mL	98
86)	Pyrene	16.66	202	1185332	6.43	ug/mL	97
87)	Butylbenzylphthalate	17.77	149	581269	6.24	ug/mL	97
88)	Benzo[a]anthracene	18.59	228	946015	6.32	ug/mL	99
89)	3,3'-Dichlorobenzidine	18.60	252	32433	6.70	ug/mL#	87
90)	Chrysene	18.64	228	924337	6.51	ug/mL	98
91)	Bis(2-ethylhexyl)phthalate	18.72	149	809559	6.15	ug/mL	97
94)	Di-n-octylphthalate	19.73	149	1396374	6.30	ug/mL	100
95)	Benzo[b]fluoranthene	20.29	252	833881	6.36	ug/mL	98
96)	Benzo[k]fluoranthene	20.34	252	800454	6.53	ug/mL	99
97)	Benzo[a]pyrene	20.87	252	674101	6.46	ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	23.37	276	418333	6.07	ug/mL	99
99)	Dibenzo[a,h]anthracene	23.46	278	379572	5.93	ug/mL	97
100)	Benzo[g,h,i]perylene	24.10	276	441458	6.16	ug/mL	98

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

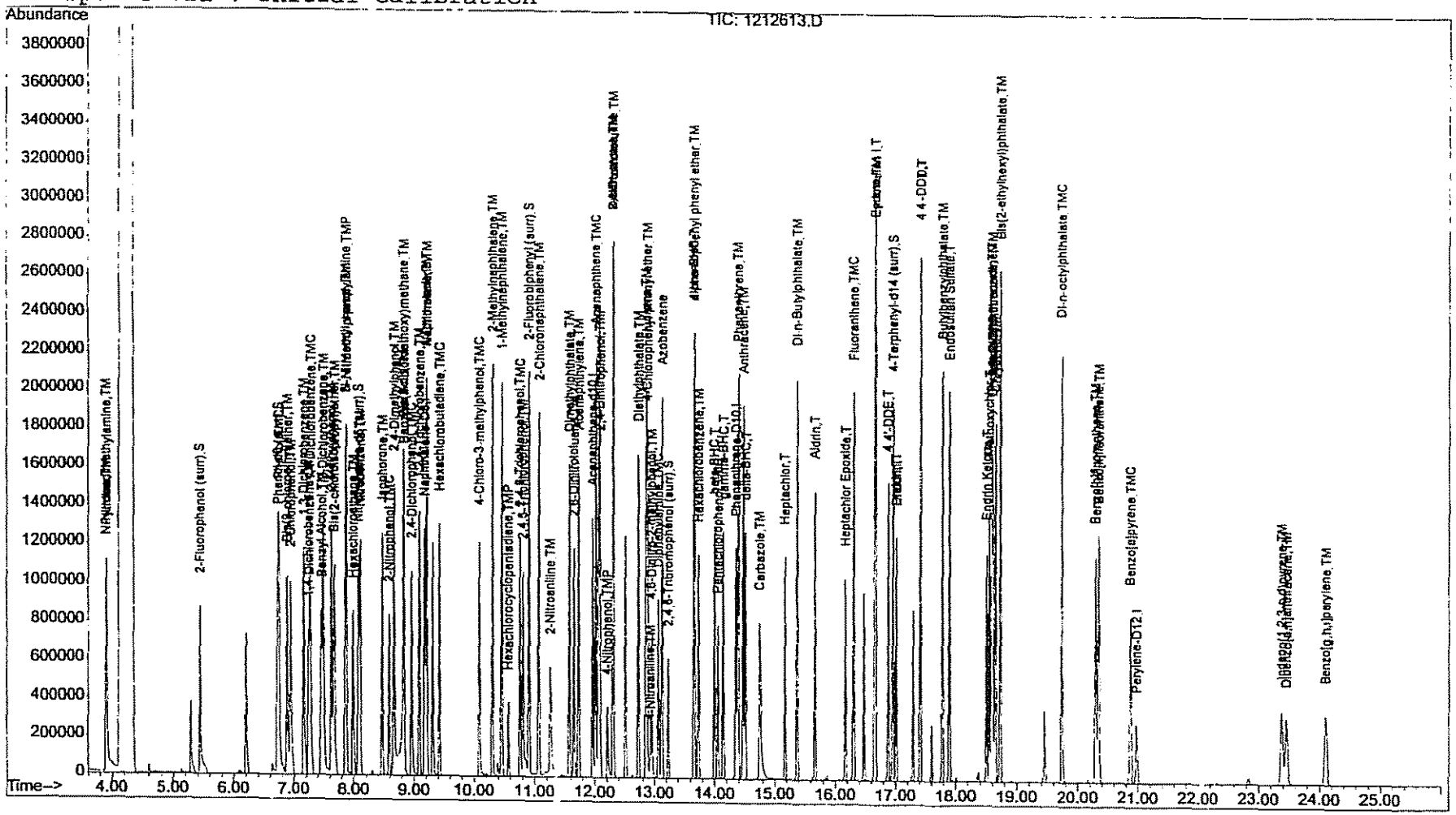
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212613.D
Acq On : 12 Dec 2005 5:41 pm
Sample : SVCVS06
Misc : (W17-N]
MS Integration Params: LSCINT.P
Quant Time: Dec 13 8:14 2005

Vial: 3
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

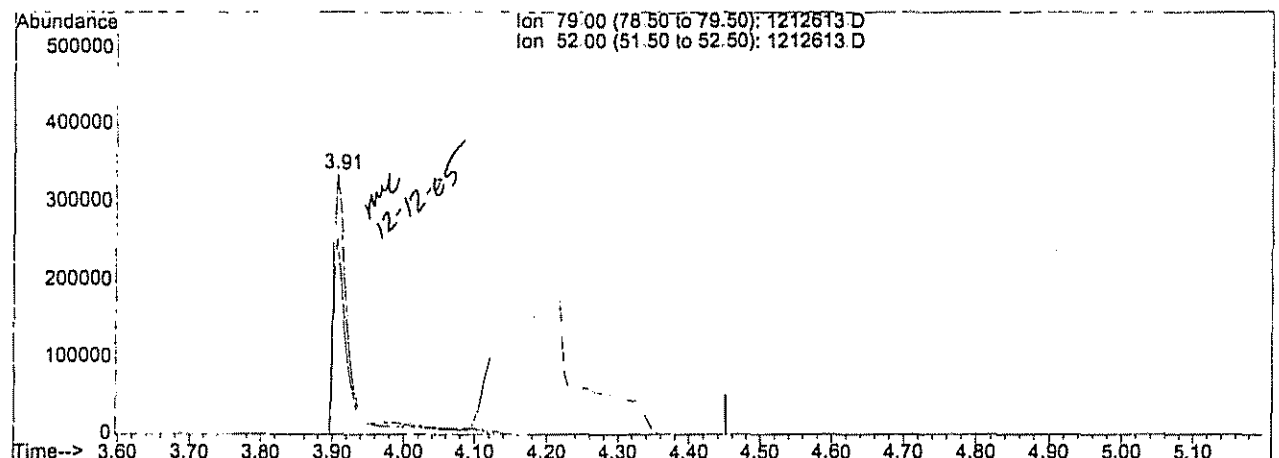
Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration

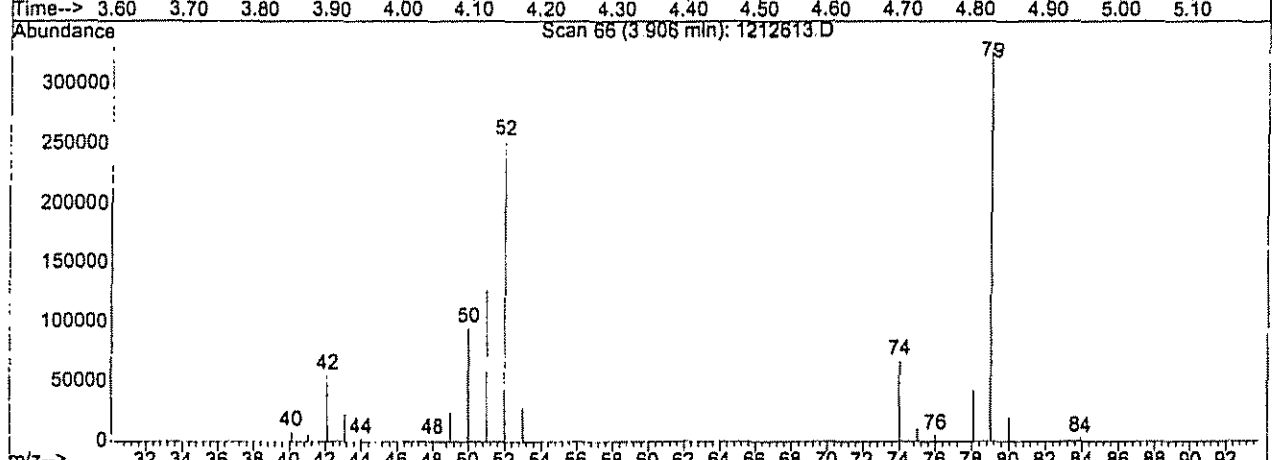


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212613.D Vial: 3
Acq On : 12 Dec 2005 5:41 pm Operator: MRC
Sample : SVCVS06 Inst : MSD6
Misc : (W17-N] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 8:14 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Multiple Level Calibration





TIC: 1212613.D

(2) Pyridine (TM)

3.91min 6.85ug/mL m

response 539173

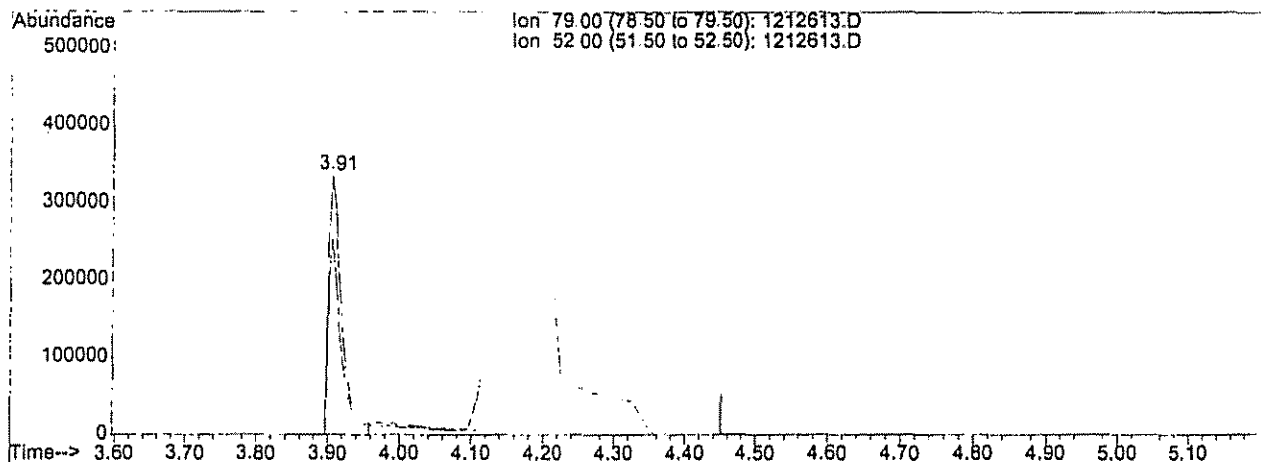
Ion	Exp%	Act%
79.00	100	100
52.00	71.30	63.18
0.00	0.00	0.00
0.00	0.00	0.00

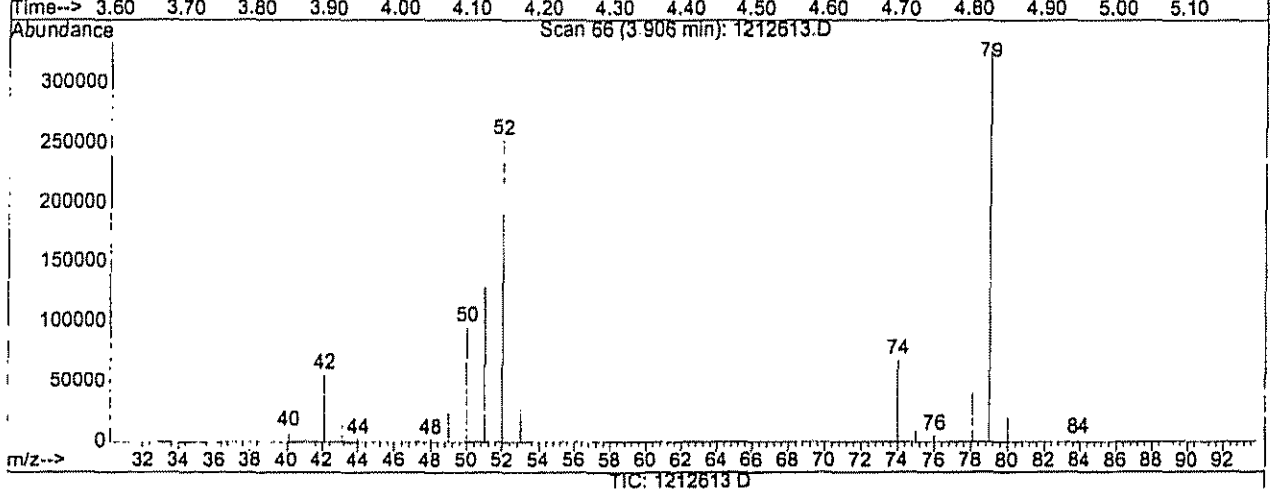
1212613.D 8270.M Tue Dec 13 08:14:42 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212613.D Vial: 3
Acq On : 12 Dec 2005 5:41 pm Operator: MRC
Sample : SVCVS06 Inst : MSD6
Misc : (W17-N] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 12 18:07 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Multiple Level Calibration





TIC: 1212613.D

(2) Pyridine (TM)

3.91min 5.55ug/mL

response 436793

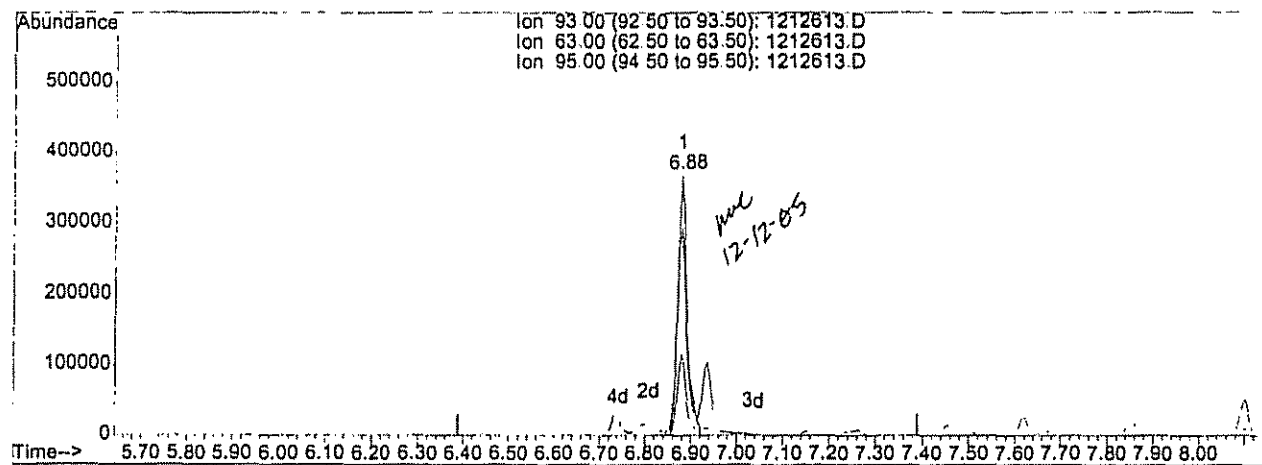
Ion	Exp%	Act%
79.00	100	100
52.00	71.30	77.99
0.00	0.00	0.00
0.00	0.00	0.00

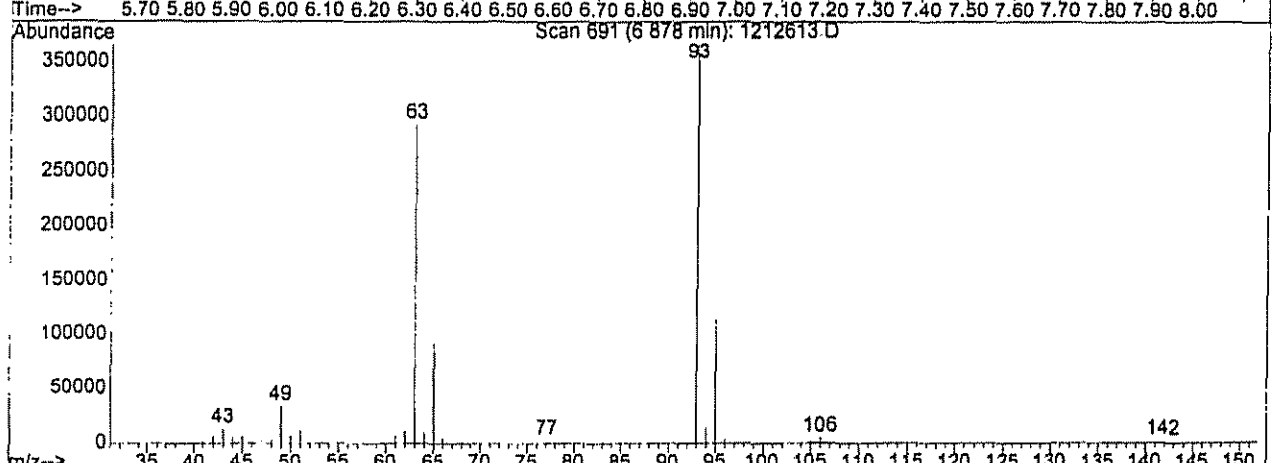
1212613.D 8270.M Tue Dec 13 08:14:38 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212613.D Vial: 3
Acq On : 12 Dec 2005 5:41 pm Operator: MRC
Sample : SVCVS06) Inst : MSD6
Misc : (W17-N] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 8:14 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Multiple Level Calibration





TIC: 1212613.D

(5) Bis(2-chloroethyl)ether (TM)

6.88min 6.55ug/mL m

response 545765

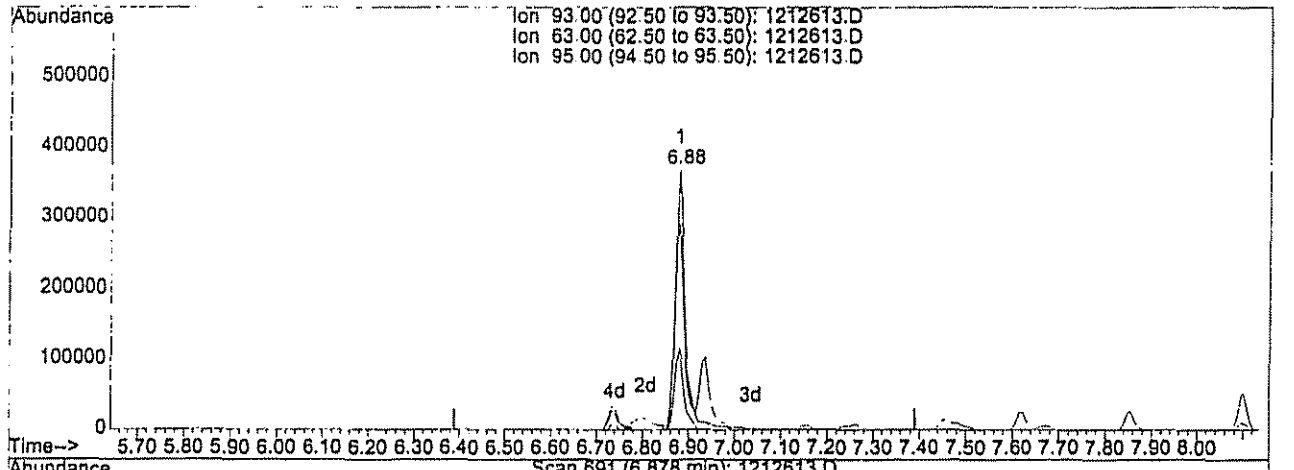
Ion	Exp%	Act%
93.00	100	100
63.00	80.70	79.82
95.00	32.20	31.33
0.00	0.00	0.00

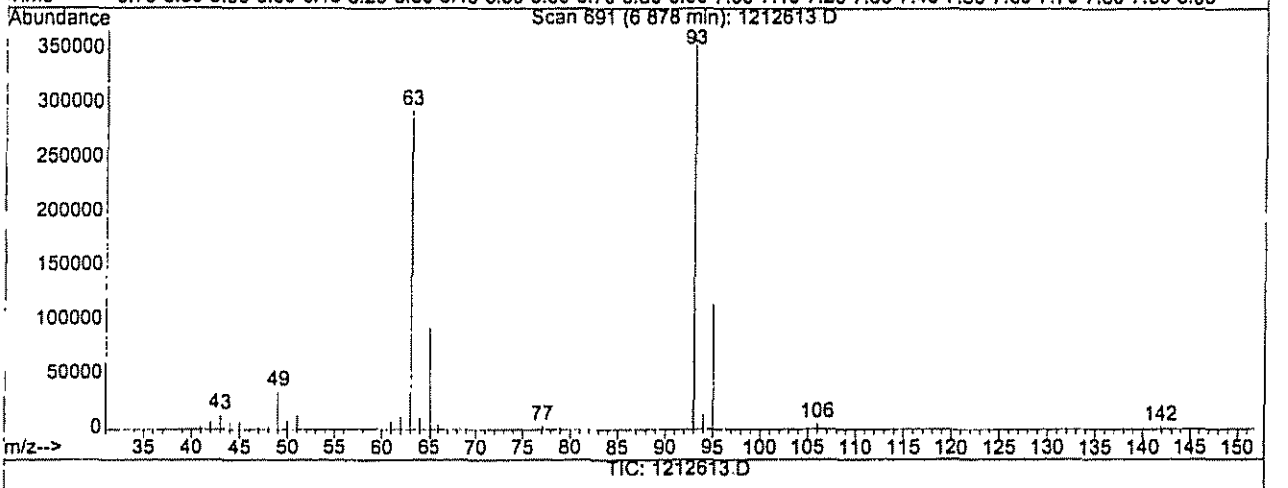
1212613.D 8270.M Tue Dec 13 08:14:53 2005 ENV

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\6121205\1212613.D Vial: 3
Acq On : 12 Dec 2005 5:41 pm Operator: MRC
Sample : SVCVS06 Inst : MSD6
Misc : (W17-N] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 8:14 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Multiple Level Calibration





(5) Bis(2-chloroethyl)ether (TM)

6.88min 6.95ug/mL

response 579126

Ion	Exp%	Act%
93.00	100	100
63.00	80.70	79.82
95.00	32.20	31.33
0.00	0.00	0.00

1212613.D 8270.M Tue Dec 13 08:14:48 2005 ENV

625-BN QC, Blanks Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212627.D Vial: 17
Acq On : 13 Dec 2005 1:59 am Operator: MRC
Sample : PB4148 x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 8:58 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

12-12-05

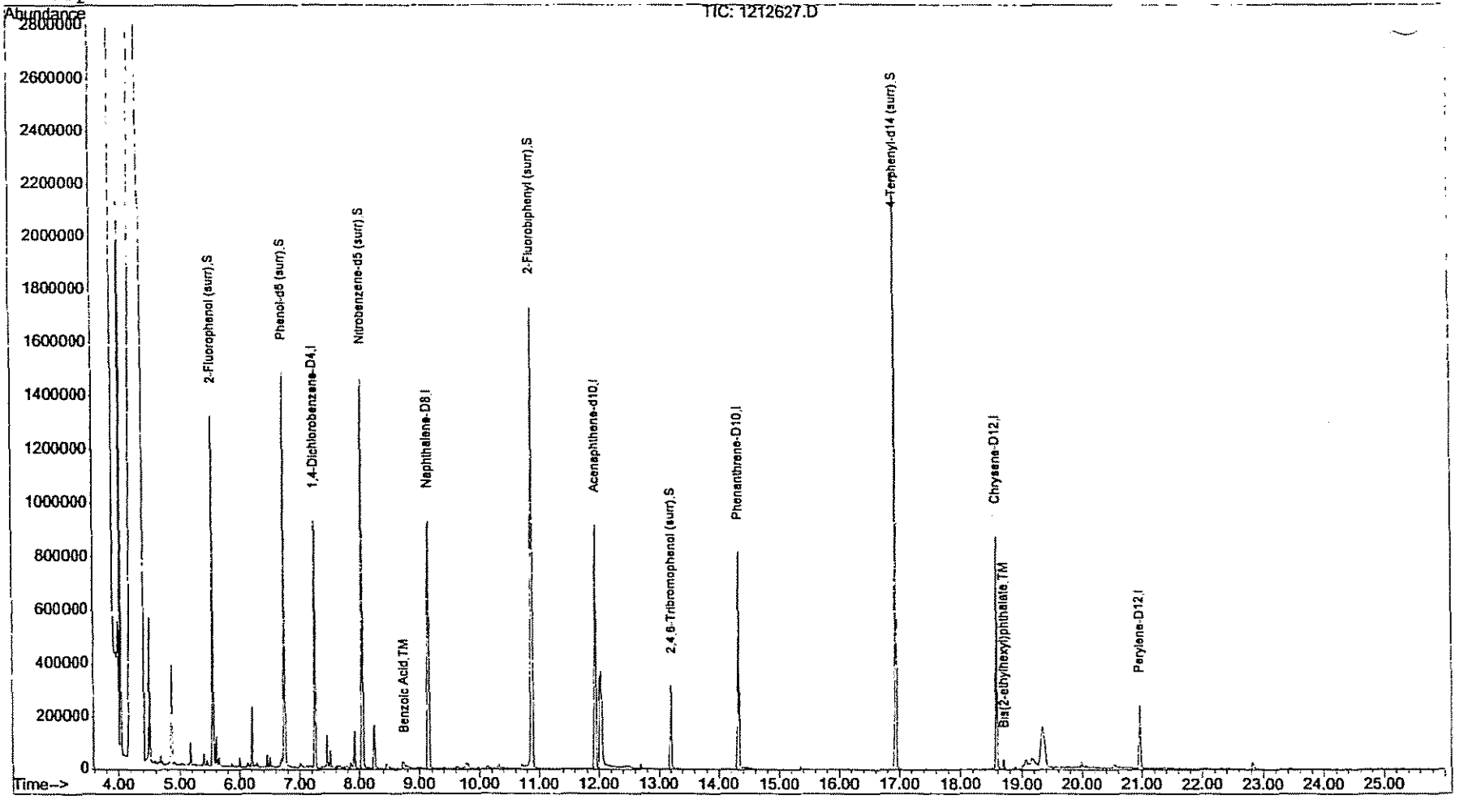
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.26	152	193516	4.00 ug/mL	0.03
18) Naphthalene-D8	9.16	136	802787	4.00 ug/mL	-0.01
33) Acenaphthene-d10	11.95	164	395814	4.00 ug/mL	0.00
55) Phenanthrene-D10	14.34	188	520125	4.00 ug/mL	-0.01
85) Chrysene-D12	18.60	240	450561	4.00 ug/mL	-0.02
93) Perylene-D12	20.97	264	192029	4.00 ug/mL	-0.01
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	5.56	112	456575	7.13 ug/mL	0.11
Spiked Amount 10.000			Recovery	= 71.30%	
17) Phenol-d6 (surr)	6.75	99	728843	7.48 ug/mL	0.02
Spiked Amount 10.000			Recovery	= 74.80%	
32) Nitrobenzene-d5 (surr)	8.07	128	261581	7.54 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 75.40%	
53) 2-Fluorobiphenyl (surr)	10.89	172	1040482	8.11 ug/mL	-0.01
Spiked Amount 10.000			Recovery	= 81.10%	
54) 2,4,6-Tribromophenol (surr	13.22	330	61950	5.64 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 56.40%	
92) 4-Terphenyl-d14 (surr)	16.95	244	1052475	8.66 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 86.60%	
Target Compounds					Qvalue
23) Benzoic Acid	8.77	122	5270	0.14 ug/mL#	74
91) Bis(2-ethylhexyl)phthalate	18.72	149	13356	0.11 ug/mL#	90

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212627.D Vial: 17
Acq On : 13 Dec 2005 1:59 am Operator: MRC
Sample : PB4148 x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 8:58 2005 Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration



1212627.D 8270.M Tue Dec 13 09:10:38 2005 ENV Page 2

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6121205\1212627.D Vial: 17
Acq On : 13 Dec 2005 1:59 am Operator: MRC
Sample : PB4148 x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Hydrogen azide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.05	5.68 ug/mL	1724260	1,4-Dichlorobenzene-D4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrogen azide	43	HN3	007782-79-8	4
2	Acetic acid ethenyl ester	86	C4H6O2	000108-05-4	2
3	Acetic acid, anhydride	102	C4H6O3	000108-24-7	2
4	Acetic acid, anhydride	102	C4H6O3	000108-24-7	2
5	1,1-Ethanediol, diacetate	146	C6H10O4	000542-10-9	2

****

Peak Number 2 Toluene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.29	142.78 ug/mL	43323000	1,4-Dichlorobenzene-D4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	95
2	Toluene	92	C7H8	000108-88-3	94
3	Toluene	92	C7H8	000108-88-3	91
4	Toluene	92	C7H8	000108-88-3	91
5	Toluene	92	C7H8	000108-88-3	91

****

Peak Number 3 2,4-Pentanedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.51	2.09 ug/mL	633556	1,4-Dichlorobenzene-D4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Pentanedione	100	C5H8O2	000123-54-6	64
2	2,4-Pentanedione	100	C5H8O2	000123-54-6	53
3	2,4-Pentanedione	100	C5H8O2	000123-54-6	42
4	Hexane, 2-bromo-	164	C6H13Br	003377-86-4	33
5	2,4-Pentanedione	100	C5H8O2	000123-54-6	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6121205\1212627.D Vial: 17
Acq On : 13 Dec 2005 1:59 am Operator: MRC
Sample : PB4148 x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Acetic acid, butyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	1.42 ug/mL	429673	1,4-Dichlorobenzene-D4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	83
2	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	83
3	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	64
4	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	64
5	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	53

****

Peak Number 5 Acetone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	0.31 ug/mL	93275	1,4-Dichlorobenzene-D4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetone	58	C3H6O	000067-64-1	5
2	1-Propanamine	59	C3H9N	000107-10-8	4
3	Isopropyl isothiocyanate	101	C4H7NS	002253-73-8	4
4	2-Pentanone, 5-(2-propynyloxy)-	140	C8H12O2	055702-70-0	4
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	4

****

Peak Number 6 1,3-Benzodioxol-2-one, hexahyd Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.41	0.21 ug/mL	62876	1,4-Dichlorobenzene-D4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzodioxol-2-one, hexahydro-,	142	C7H10O3	019456-20-3	28
2	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	9
3	Cyclopropane	42	C3H6	000075-19-4	4
4	Cyclopropane	42	C3H6	000075-19-4	4
5	Aziridine, 1-methyl-	57	C3H7N	001072-44-2	4

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6121205\1212627.D Vial: 17
Acq On : 13 Dec 2005 1:59 am Operator: MRC
Sample : PB4148 x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 1-Pentanol, 2-methyl-, acetate Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	0.41 ug/mL	125686	1,4-Dichlorobenzene-D4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentanol, 2-methyl-, acetate	144	C8H16O2	007789-99-3	9
2	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	7
3	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	5
4	4-Penten-2-one	84	C5H8O	013891-87-7	5
5	Pentane	72	C5H12	000109-66-0	4

****

Peak Number 8 Silanediol, dimethyl-, diaceta Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	0.76 ug/mL	231105	1,4-Dichlorobenzene-D4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silanediol, dimethyl-, diacetate	176	C6H12O4Si	002182-66-3	91
2	1-Phenyl-1,2,3-triazole	145	C8H7N3	001453-81-2	12
3	2-Thiazolidinethione	119	C3H5NS2	000096-53-7	10
4	Silane, trimethyl(1-methylethoxy)-	132	C6H16OSi	001825-64-5	10
5	Silane, trimethyl(1-methylethoxy)-	132	C6H16OSi	001825-64-5	10

****

Peak Number 9 2-Chlorocyclohexanol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	0.47 ug/mL	142845	1,4-Dichlorobenzene-D4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chlorocyclohexanol	134	C6H11ClO	001561-86-0	72
2	Cyclohexanol, 4-chloro-, trans-	134	C6H11ClO	029538-77-0	28
3	(S)-(+)-3-Hydroxytetrahydrofuran	88	C4H8O2	086087-23-2	9
4	2-Hepten-1-ol, (Z)-	114	C7H14O	055454-22-3	9
5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6121205\1212627.D Vial: 17
Acq On : 13 Dec 2005 1:59 am Operator: MRC
Sample : PB4148 x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****
Peak Number 10 2,3,5-Trimethylfuran Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	0.25 ug/mL	76268	1,4-Dichlorobenzene-D4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,5-Trimethylfuran	110	C7H10O	000000-00-0	7
2	2-Cyclohexen-1-one, 4-(2-oxopropyl)	152	C9H12O2	056051-94-6	2
3	Octadecane, 1-(ethenyloxy)-	296	C20H40O	000930-02-9	2
4	3-Hexyne-2,5-diol	114	C6H10O2	003031-66-1	2
5	3,7-Octadien-2-one, (E)-	124	C8H12O	025172-06-9	2

****
Peak Number 11 Bi-2-cyclohexen-1-yl Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	0.63 ug/mL	192563	1,4-Dichlorobenzene-D4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bi-2-cyclohexen-1-yl	162	C12H18	001541-20-4	64
2	1H-Pyrrole, 1-methyl-	81	C5H7N	000096-54-8	59
3	1H-Pyrrole, 1-methyl-	81	C5H7N	000096-54-8	28
4	2,4-Dimethyl 1,4-pentadiene	96	C7H12	004161-65-3	9
5	Hydrobromic acid	80	HBr	010035-10-6	5

****
Peak Number 12 5-Hexen-2-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	0.69 ug/mL	288685	Naphthalene-D8	9.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Hexen-2-one	98	C6H10O	000109-49-9	9
2	1-Propanesulfonic acid, methyl este	138	C4H10O3S	002697-50-9	7
3	5-Hexen-2-one	98	C6H10O	000109-49-9	5
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	4
5	Propanamide, n-ethyl-	101	C5H11NO	005129-72-6	4

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6121205\1212627.D Vial: 17
Acq On : 13 Dec 2005 1:59 am Operator: MRC
Sample : PB4148 x1 Inst) : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****
Peak Number 13 1H-Purine-8-carboxaldehyde Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	1.24 ug/mL	499661	Acenaphthene-d10	11.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Purine-8-carboxaldehyde	148	C6H4N4O	056805-26-6	32
2	Bicyclo[4.1.0]heptan-2-one	110	C7H10O	005771-58-4	16
3	Cycloheptanone, oxime	127	C7H13NO	002158-31-8	12
4	Cyclohexene, 4-ethenyl-	108	C8H12	000100-40-3	12
5	5H-Pyrrolotetrazole, 6,7-dihydro-	110	C4H6N4	005817-87-8	12

****
Peak Number 14 4-Isothiazolecarboxylic acid, Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	0.45 ug/mL	137751	Chrysene-D12	18.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Isothiazolecarboxylic acid, 3-met	143	C5H5NO2S	015903-66-9	5
2	Benzeneacetonitrile, ar-ethenyl-	143	C10H9N	050976-16-4	2
3	2H-Thiopyran-3(6H)-one	114	C5H6OS	029431-30-9	1
4	2-Pentanol, 5-(2-propynyloxy)-	142	C8H14O2	055702-67-5	1
5	.beta.-D-Glucopyranoside, methyl 3,	176	C7H12O5	003056-46-0	1

****
Peak Number 15 (R)-(-)-14-Methyl-8-hexadecyn- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	2.33 ug/mL	708707	Chrysene-D12	18.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(R)-(-)-14-Methyl-8-hexadecyn-1-ol	252	C17H32O	064566-18-3	50
2	1,4-Undecadiene, (Z)-	152	C11H20	055976-14-2	50
3	7-Tetradecyne	194	C14H26	035216-11-6	47
4	7-Tetradecyne	194	C14H26	035216-11-6	47
5	Iridomyrmecin	168	C10H16O2	000485-43-8	43

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\6121205\1212627.D Vial: 17
Acq On : 13 Dec 2005 1:59 am Operator: MRC
Sample : PB4148 x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****
Peak Number 16 Amylene Hydrate Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	0.22 ug/mL	26292	Perylene-D12	20.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	9
2	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	4
3	Acetaldoxime	59	C2H5NO	000107-29-9	4
4	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	4
5	2-Propenoic acid	72	C3H4O2	000079-10-7	4

****
Peak Number 17 2-Oxepanone, 4-methyl-7-(1-met Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.55	0.42 ug/mL	49366	Perylene-D12	20.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Oxepanone, 4-methyl-7-(1-methylet	170	C10H18O2	000499-54-7	33
2	1-Cyano-2,3-epithiopropane	99	C4H5NS	058130-93-1	4
3	Allyl Isothiocyanate	99	C4H5NS	000057-06-7	4
4	Cyclopentanone, oxime	99	C5H9NO	001192-28-5	4
5	Allyl Isothiocyanate	99	C4H5NS	000057-06-7	4

****
Peak Number 18 2,4,6(1H,3H,5H)-Pyrimidinetrio Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.84	0.48 ug/mL	56246	Perylene-D12	20.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6(1H,3H,5H)-Pyrimidinetrione, 1	312	C15H28N2O3Si	051209-90-6	9
2	Spiro[2,5-cyclohexadiene-1,7'(1'H)-	297	C18H19NO3	010214-76-3	5
3	Spiro[2,5-cyclohexadiene-1,7'(1'H)-	297	C18H19NO3	002810-21-1	5
4	Estra-1,3,5(10),6-tetraen-17-one, 3	297	C19H23NO2	069833-89-2	5
5	6-Azaestra-1,3,5(10),8(14)-tetraen-	297	C19H23NO2	054869-09-9	5

Tentatively Identified Compound (LSC) summary

Operator ID: MRC Date Acquired: 13 Dec 2005 1:59 am
Data File: C:\HPCHEM\1\DATA\6121205\1212627.D
Name: PB4148 x1
Misc: 8270 [3520-4148]
Method: C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title: 5 POINT INITIAL CALIBRATION FOR 8270
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Hydrogen azide	4.05	5.7	ug/mL	1724260	ISTD01	7.26	1213670	4.0
Toluene	4.29	142.8	ug/mL	43323000	ISTD01	7.26	1213670	4.0
2,4-Pentanedione	4.51	2.1	ug/mL	633556	ISTD01	7.26	1213670	4.0
Acetic acid, butyl e	4.87	1.4	ug/mL	429673	ISTD01	7.26	1213670	4.0
Acetone	5.19	0.3	ug/mL	93275	ISTD01	7.26	1213670	4.0
1,3-Benzodioxol-2-on	5.41	0.2	ug/mL	62876	ISTD01	7.26	1213670	4.0
1-Pentanol, 2-methyl	5.62	0.4	ug/mL	125686	ISTD01	7.26	1213670	4.0
Silanediol, dimethyl	6.22	0.8	ug/mL	231105	ISTD01	7.26	1213670	4.0
2-Chlorocyclohexanol	7.47	0.5	ug/mL	142845	ISTD01	7.26	1213670	4.0
2,3,5-Trimethylfuran	7.53	0.3	ug/mL	76268	ISTD01	7.26	1213670	4.0
Bi-2-cyclohexen-1-yl	7.93	0.6	ug/mL	192563	ISTD01	7.26	1213670	4.0
5-Hexen-2-one	8.26	0.7	ug/mL	288685	ISTD02	9.16	1674680	4.0
1H-Purine-8-carboxal	12.02	1.2	ug/mL	499661	ISTD03	11.95	1605400	4.0
4-Isothiazolecarboxy	19.08	0.5	ug/mL	137751	ISTD05	18.60	1216880	4.0
(R)-(-)-14-Methyl-8-	19.35	2.3	ug/mL	708707	ISTD05	18.60	1216880	4.0
Amylene Hydrate	19.99	0.2	ug/mL	26292	ISTD06	20.97	469465	4.0
2-Oxepanone, 4-methy	20.55	0.4	ug/mL	49366	ISTD06	20.97	469465	4.0
2,4,6(1H,3H,5H)-Pyri	22.84	0.5	ug/mL	56246	ISTD06	20.97	469465	4.0

1212627.D 8270.M Tue Dec 13 09:13:39 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212628.D Vial: 18
Acq On : 13 Dec 2005 2:34 am Operator: MRC
Sample : LCS4148 x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 8:59 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

mc 12-13-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.24	152	141919	4.00	ug/mL	0.00
18) Naphthalene-D8	9.16	136	568707	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.95	164	297263	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.34	188	441241	4.00	ug/mL	0.00
85) Chrysene-D12	18.60	240	336053	4.00	ug/mL	-0.01
93) Perylene-D12	20.97	264	170054	4.00	ug/mL	-0.01
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.45	112	388264	8.27	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	82.70%	
17) Phenol-d6 (surr)	6.73	99	586033	8.20	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	82.00%	
32) Nitrobenzene-d5 (surr)	8.07	128	206358	8.40	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	84.00%	
53) 2-Fluorobiphenyl (surr)	10.90	172	809230	8.40	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	84.00%	
54) 2,4,6-Tribromophenol (surr	13.23	330	74289	9.01	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	90.10%	
92) 4-Terphenyl-d14 (surr)	16.95	244	786794	8.68	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	86.80%	
Target Compounds						Qvalue
3) N-Nitrosodimethylamine	3.86	74	285944	8.00	ug/mL	96
4) Phenol	6.75	94	571908	7.74	ug/mL	97
5) Bis(2-chloroethyl)ether	6.88	93	484745	7.70	ug/mL	97
6) 2-Chlorophenol	6.94	128	417018	7.88	ug/mL	96
7) Benzyl Alcohol	7.45	108	288645	8.39	ug/mL	94
8) 1,3-Dichlorobenzene	7.15	146	288156	5.34	ug/mL	98
9) 1,4-Dichlorobenzene	7.26	146	306072	5.55	ug/mL	99
10) 1,2-Dichlorobenzene	7.48	146	293265	5.90	ug/mL	99
11) 2-Methylphenol	7.63	107	352065	7.80	ug/mL	98
12) 3-, 4-Methylphenol	7.86	107	824184	12.88	ug/mL#	81
13) Bis(2-chloroisopropyl)ethe	7.66	45	783210	7.45	ug/mL	99
14) N-Nitrosodi-n-propylamine	7.86	70	255371	7.12	ug/mL	99
15) Hexachloroethane	7.98	117	97522	4.69	ug/mL	97
19) Nitrobenzene	8.10	77	540868	8.21	ug/mL	100
20) Isophorone	8.47	82	995055	10.28	ug/mL	99
21) 2-Nitrophenol	8.58	139	183156	6.68	ug/mL	97
22) 2,4-Dimethylphenol	8.67	122	256681	6.77	ug/mL	96
23) Benzoic Acid	8.83	122	177603	6.79	ug/mL	99
24) Bis(2-chloroethoxy)methane	8.82	93	562711	8.28	ug/mL	99
25) 2,4-Dichlorophenol	8.95	162	304573	8.27	ug/mL	99

(#) = qualifier out of range (m) = manual integration
1212628.D 8270.M Tue Dec 13 09:10:41 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212628.D
Acq On : 13 Dec 2005 2:34 am
Sample : LCS4148 x1
Misc : 8270 [3520-4148]
MS Integration Params: LSCINT.P
Quant Time: Dec 13 8:59 2005

Vial: 18
Operator: MRC
Inst : MSD6
Multiplr: 1.00
Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	1,2,4-Trichlorobenzene	9.08	180	315463	7.61	ug/mL	98
27)	Naphthalene	9.19	128	1106790	7.91	ug/mL	99
28)	4-Chloroaniline	9.19	127	140947	8.00	ug/mL	96
29)	Hexachlorobutadiene	9.41	225	163734	7.22	ug/mL	99
30)	4-Chloro-3-methylphenol	10.08	107	368628	8.10	ug/mL	98
31)	2-Methylnaphthalene	10.29	142	714556	7.43	ug/mL	98
34)	Hexachlorocyclopentadiene	10.55	237	28147	3.29	ug/mL	97
35)	2,4,6-Trichlorophenol	10.75	196	223024	8.21	ug/mL	100
36)	2,4,5-Trichlorophenol	10.80	196	220555	8.17	ug/mL	99
37)	2-Chloronaphthalene	11.06	162	727478	8.58	ug/mL	97
38)	2-Nitroaniline	11.25	65	249040	9.50	ug/mL	96
39)	3-Nitroaniline	12.29	138	15867	8.58	ug/mL#	81
40)	1-Methylnaphthalene	10.45	142	730996	8.63	ug/mL	99
41)	Dimethylphthalate	11.57	163	845947	8.75	ug/mL	100
42)	Acenaphthylene	11.72	152	1052720	10.41	ug/mL	99
43)	2,6-Dinitrotoluene	11.65	165	186160	8.76	ug/mL	97
44)	Acenaphthene	12.01	153	673809	8.75	ug/mL	99
45)	2,4-Dinitrophenol	12.08	184	60741	6.19	ug/mL	93
46)	4-Nitrophenol	12.21	109	95518	9.41	ug/mL	94
47)	Dibenzofuran	12.29	168	959937	8.30	ug/mL	98
48)	2,4-Dinitrotoluene	12.29	165	222345	8.72	ug/mL	89
49)	Fluorene	12.84	166	817273	9.24	ug/mL	99
50)	Diethylphthalate	12.71	149	803264	9.18	ug/mL	98
51)	4-Chlorophenyl phenyl ethe	12.86	204	395307	8.90	ug/mL	95
52)	4-Nitroaniline	12.89	138	93415	15.87	ug/mL#	82
56)	4,6-Dinitro-2-methylphenol	12.94	198	98576	6.92	ug/mL	97
57)	Diphenylamine	13.06	169	610189	14.13	ug/mL	96
58)	4-bromophenyl phenyl ether	13.65	248	209291	8.68	ug/mL	94
59)	Hexachlorobenzene	13.73	284	199457	8.84	ug/mL	96
60)	Pentachlorophenol	14.05	266	115226	8.29	ug/mL	98
61)	Phenanthrene	14.38	178	1050572	8.45	ug/mL	100
63)	Anthracene	14.46	178	1001371	8.65	ug/mL	100
64)	Azobenzene	13.11	77	1031082	8.16	ug/mL	98
65)	Di-n-Butylphthalate	15.36	149	1373036	9.01	ug/mL	99
66)	Fluoranthene	16.29	202	1118902	8.56	ug/mL	99
86)	Pyrene	16.65	202	1180915	8.93	ug/mL	95
87)	Butylbenzylphthalate	17.77	149	578336	8.66	ug/mL	98
88)	Benzo[a]anthracene	18.59	228	944325	8.80	ug/mL	98
89)	3,3'-Dichlorobenzidine	18.58	252	214741	25.10	ug/mL#	96
90)	Chrysene	18.64	228	913898	8.97	ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	18.72	149	816245	8.64	ug/mL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212628.D Vial: 18
Acq On : 13 Dec 2005 2:34 am Operator: MRC
Sample : LCS4148 x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 8:59 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
94)	Di-n-octylphthalate	19.72	149	1347484	7.69	ug/mL	100
95)	Benzo[b]fluoranthene	20.29	252	890324	8.59	ug/mL	100
96)	Benzo[k]fluoranthene	20.34	252	835246	8.61	ug/mL	98
97)	Benzo[a]pyrene	20.87	252	706898	8.57	ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	23.38	276	509118	9.35	ug/mL	100
99)	Dibenzo[a,h]anthracene	23.46	278	506683	10.00	ug/mL	100
100)	Benzo[g,h,i]perylene	24.11	276	561451	9.90	ug/mL	99

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

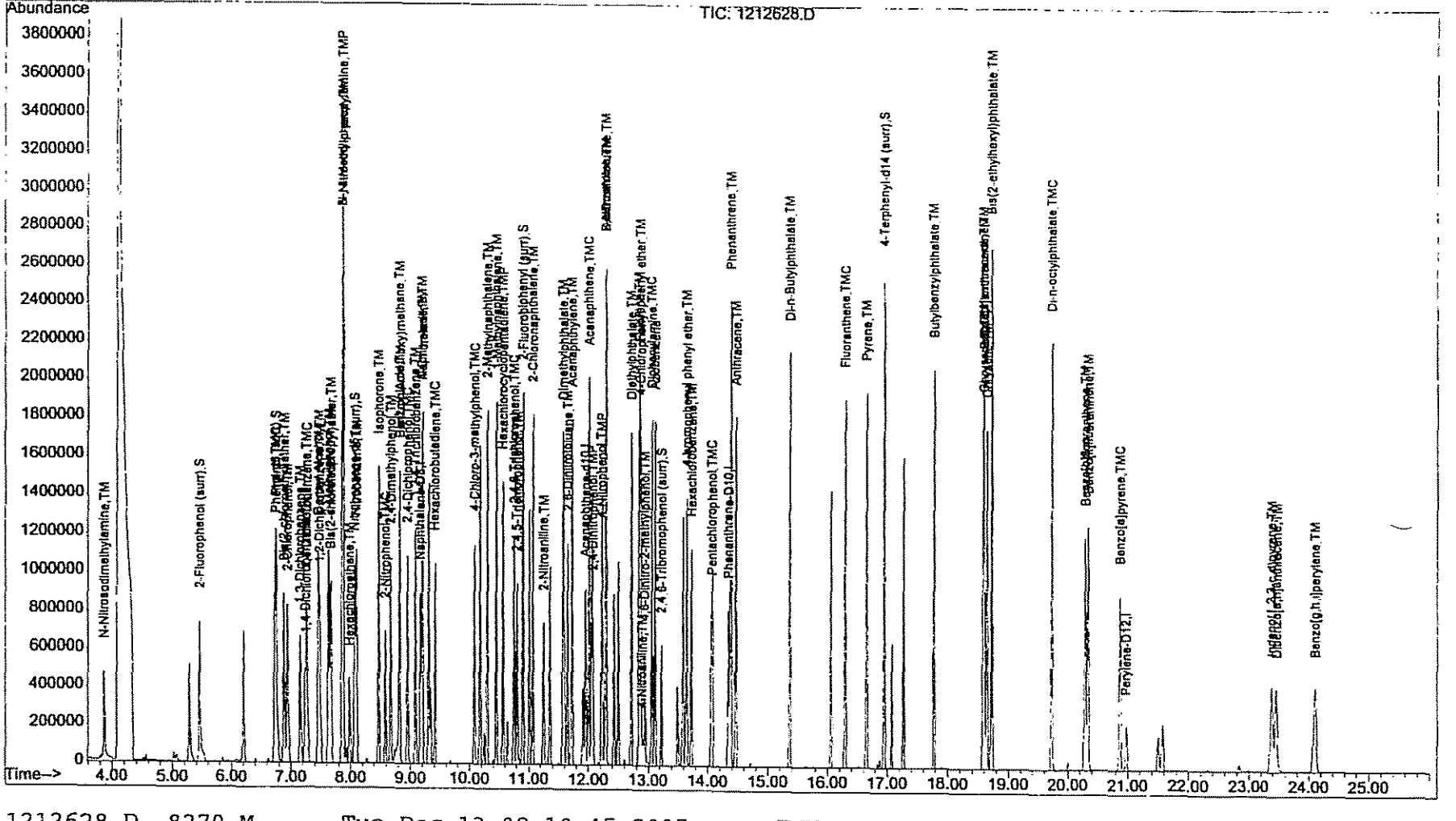
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212628.D
Acq On : 13 Dec 2005 2:34 am
Sample : LCS4148 x1
Misc : 8270 [3520-4148]
MS Integration Params: LSCINT.P
Quant Time: Dec 13 8:59 2005

Vial: 18
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration



1212628.D 8270.M Tue Dec 13 09:10:45 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212629.D Vial: 19
Acq On : 13 Dec 2005 3:09 am Operator: MRC
Sample : G161-2262-1M MS x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 9:00 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MC 12-13-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.23	152	158579	4.00	ug/mL	0.00
18) Naphthalene-D8	9.16	136	651535	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.96	164	340281	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.34	188	501648	4.00	ug/mL	0.00
85) Chrysene-D12	18.60	240	373187	4.00	ug/mL	-0.01
93) Perylene-D12	20.97	264	174865	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.45	112	441286	8.41	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	84.10%	
17) Phenol-d6 (surr)	6.73	99	677629	8.48	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	84.80%	
32) Nitrobenzene-d5 (surr)	8.07	128	233143	8.29	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	82.90%	
53) 2-Fluorobiphenyl (surr)	10.90	172	932221	8.45	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	84.50%	
54) 2,4,6-Tribromophenol (surr	13.23	330	88555	9.38	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	93.80%	
92) 4-Terphenyl-d14 (surr)	16.94	244	846608	8.41	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	84.10%	
Target Compounds						Qvalue
3) N-Nitrosodimethylamine	3.88	74	333570	8.35	ug/mL	98
4) Phenol	6.75	94	678744	8.22	ug/mL	96
5) Bis(2-chloroethyl)ether	6.88	93	510016	7.25	ug/mL	98
6) 2-Chlorophenol	6.94	128	459744	7.78	ug/mL	98
7) Benzyl Alcohol	7.46	108	326756	8.50	ug/mL	96
8) 1,3-Dichlorobenzene	7.15	146	348160	5.77	ug/mL	99
9) 1,4-Dichlorobenzene	7.26	146	365235	5.93	ug/mL	99
10) 1,2-Dichlorobenzene	7.48	146	349779	6.30	ug/mL	100
11) 2-Methylphenol	7.62	107	386952	7.68	ug/mL	96
12) 3-, 4-Methylphenol	7.87	107	914266	12.79	ug/mL#	84
13) Bis(2-chloroisopropyl)ethe	7.67	45	875274	7.46	ug/mL	99
14) N-Nitrosodi-n-propylamine	7.87	70	301240	7.52	ug/mL	99
15) Hexachloroethane	7.98	117	124560	5.36	ug/mL	98
19) Nitrobenzene	8.10	77	736508	9.76	ug/mL	99
20) Isophorone	8.47	82	1109852	10.01	ug/mL	99
21) 2-Nitrophenol	8.58	139	219568	6.99	ug/mL	97
22) 2,4-Dimethylphenol	8.67	122	258897	5.96	ug/mL	97
23) Benzoic Acid	8.84	122	217611	7.26	ug/mL	97
24) Bis(2-chloroethoxy)methane	8.82	93	618739	7.95	ug/mL	99
25) 2,4-Dichlorophenol	8.95	162	338418	8.02	ug/mL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212629.D Vial: 19
Acq On : 13 Dec 2005 3:09 am Operator: MRC
Sample : G161-2262-1M MS x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 9:00 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 1,2,4-Trichlorobenzene	9.08	180	350734	7.38 ug/mL	99
27) Naphthalene	9.20	128	1239847	7.73 ug/mL	99
28) 4-Chloroaniline	9.20	127	159359	7.89 ug/mL	97
29) Hexachlorobutadiene	9.41	225	185879	7.16 ug/mL	97
30) 4-Chloro-3-methylphenol	10.08	107	413432	7.93 ug/mL	99
31) 2-Methylnaphthalene	10.30	142	798058	7.24 ug/mL	98
34) Hexachlorocyclopentadiene	10.56	237	33991	3.47 ug/mL	97
35) 2,4,6-Trichlorophenol	10.75	196	251967	8.10 ug/mL	98
36) 2,4,5-Trichlorophenol	10.80	196	252050	8.16 ug/mL	98
37) 2-Chloronaphthalene	11.07	162	805013	8.29 ug/mL	99
38) 2-Nitroaniline	11.25	65	150891	5.03 ug/mL	96
39) 3-Nitroaniline	12.29	138	17108	8.08 ug/mL#	82
40) 1-Methylnaphthalene	10.45	142	812868	8.39 ug/mL	99
41) Dimethylphthalate	11.58	163	939161	8.48 ug/mL	100
42) Acenaphthylene	11.73	152	1171912	10.12 ug/mL	99
43) 2,6-Dinitrotoluene	11.65	165	208910	8.59 ug/mL	98
44) Acenaphthene	12.01	153	748604	8.49 ug/mL	98
45) 2,4-Dinitrophenol	12.08	184	69801	6.21 ug/mL	97
46) 4-Nitrophenol	12.21	109	107408	9.24 ug/mL	90
47) Dibenzofuran	12.29	168	1058317	7.99 ug/mL	100
48) 2,4-Dinitrotoluene	12.29	165	251217	8.61 ug/mL	89
49) Fluorene	12.84	166	902508	8.91 ug/mL	100
50) Diethylphthalate	12.71	149	886398	8.85 ug/mL	98
51) 4-Chlorophenyl phenyl ethe	12.86	204	434923	8.55 ug/mL	97
52) 4-Nitroaniline	12.89	138	33803	5.02 ug/mL#	77
56) 4,6-Dinitro-2-methylphenol	12.94	198	108605	6.70 ug/mL	98
57) Diphenylamine	13.06	169	639291	13.02 ug/mL	94
58) 4-bromophenyl phenyl ether	13.65	248	228936	8.35 ug/mL	99
59) Hexachlorobenzene	13.72	284	218969	8.53 ug/mL	93
60) Pentachlorophenol	14.05	266	133876	8.47 ug/mL	98
61) Phenanthrene	14.38	178	1152293	8.15 ug/mL	99
63) Anthracene	14.46	178	1119832	8.51 ug/mL	99
64) Azobenzene	13.12	77	1153138	8.03 ug/mL	99
65) Di-n-Butylphthalate	15.36	149	1510814	8.72 ug/mL	99
66) Fluoranthene	16.29	202	1216637	8.19 ug/mL	98
86) Pyrene	16.65	202	1278223	8.70 ug/mL	98
87) Butylbenzylphthalate	17.77	149	629157	8.48 ug/mL	98
88) Benzo[a]anthracene	18.58	228	1001141	8.40 ug/mL	97
89) 3,3'-Dichlorobenzidine	18.58	252	166095	18.52 ug/mL	96
90) Chrysene	18.64	228	961326	8.50 ug/mL	98
91) Bis(2-ethylhexyl)phthalate	18.72	149	896010	8.54 ug/mL	95

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212629.D Vial: 19
Acq On : 13 Dec 2005 3:09 am Operator: MRC
Sample : G161-2262-1M MS x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 9:00 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

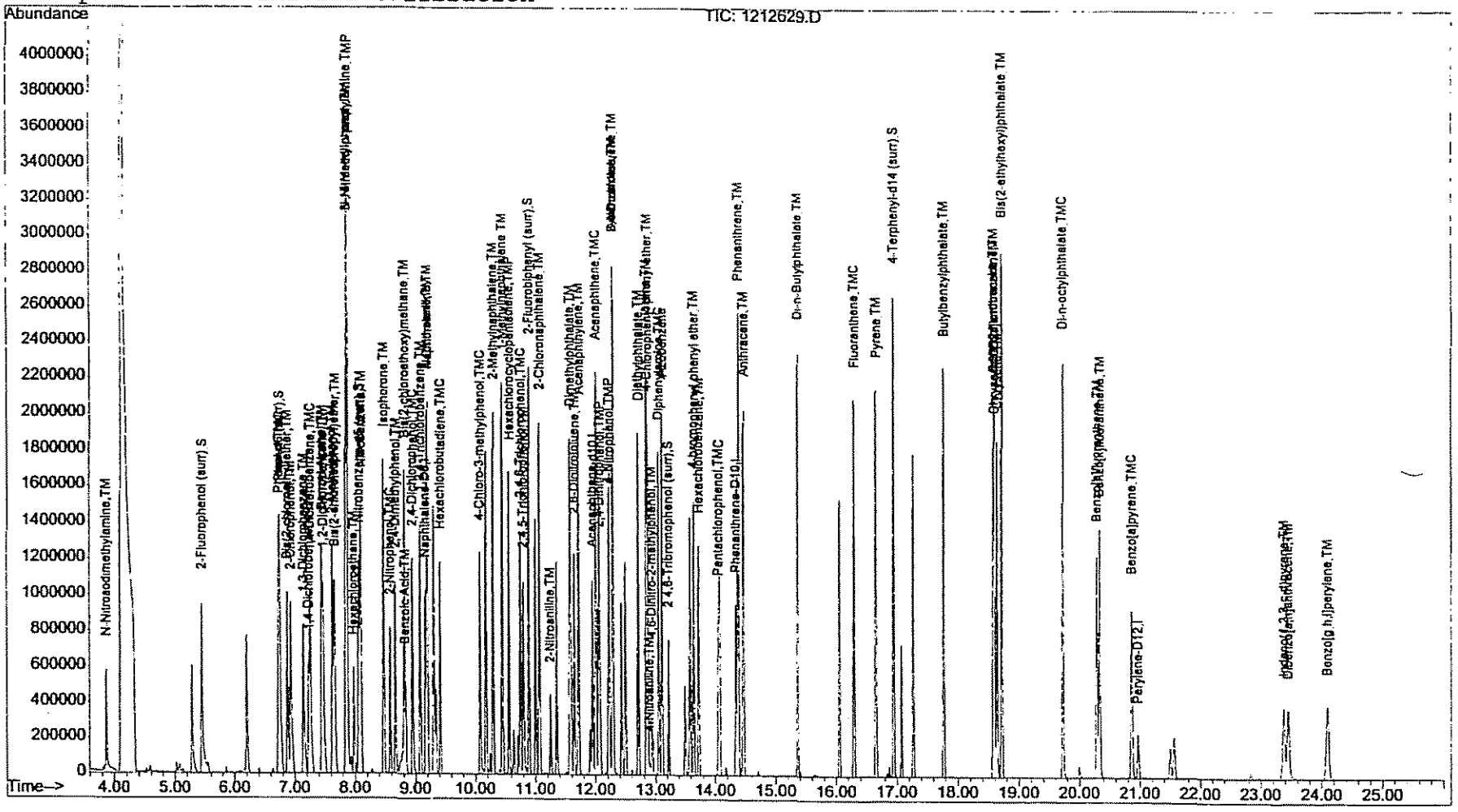
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
94)	Di-n-octylphthalate	19.72	149	1444192	8.01	ug/mL	100
95)	Benzo[b]fluoranthene	20.29	252	898447	8.43	ug/mL	98
96)	Benzo[k]fluoranthene	20.33	252	870744	8.73	ug/mL	99
97)	Benzo[a]pyrene	20.87	252	723133	8.52	ug/mL	98
98)	Indeno(1,2,3-c,d)pyrene	23.38	276	445424	7.95	ug/mL	97
99)	Dibenzo[a,h]anthracene	23.45	278	412629	7.92	ug/mL	98
100)	Benzo[g,h,i]perylene	24.10	276	495223	8.49	ug/mL	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212629.D Vial: 19
Acq On : 13 Dec 2005 3:09 am Operator: MRC
Sample : G161-2262-1M MS x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 9:00 2005 Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212630.D Vial: 20
Acq On : 13 Dec 2005 3:44 am Operator: MRC
Sample : G161-2262-1N MSD x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 9:01 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MC 12-13-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.24	152	159241	4.00	ug/mL	0.00
18) Naphthalene-D8	9.16	136	645393	4.00	ug/mL	0.00
33) Acenaphthene-d10	11.95	164	337637	4.00	ug/mL	0.00
55) Phenanthrene-D10	14.34	188	491819	4.00	ug/mL	0.00
85) Chrysene-D12	18.60	240	348616	4.00	ug/mL	0.00
93) Perylene-D12	20.97	264	162236	4.00	ug/mL	0.00
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.44	112	403703	7.66	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	76.60%	
17) Phenol-d6 (surr)	6.73	99	630266	7.86	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	78.60%	
32) Nitrobenzene-d5 (surr)	8.07	128	219575	7.88	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	78.80%	
53) 2-Fluorobiphenyl (surr)	10.89	172	873634	7.98	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	79.80%	
54) 2,4,6-Tribromophenol (surr	13.23	330	79647	8.50	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	85.00%	
92) 4-Terphenyl-d14 (surr)	16.95	244	785893	8.36	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	83.60%	

Target Compounds						Qvalue
3) N-Nitrosodimethylamine	3.87	74	310434	7.74	ug/mL	99
4) Phenol	6.75	94	659600	7.96	ug/mL	96
5) Bis(2-chloroethyl)ether	6.88	93	496666	7.03	ug/mL	98
6) 2-Chlorophenol	6.94	128	439838	7.41	ug/mL	97
7) Benzyl Alcohol	7.46	108	310825	8.05	ug/mL	97
8) 1,3-Dichlorobenzene	7.15	146	322106	5.31	ug/mL	99
9) 1,4-Dichlorobenzene	7.26	146	340922	5.51	ug/mL	99
10) 1,2-Dichlorobenzene	7.48	146	322908	5.79	ug/mL	99
11) 2-Methylphenol	7.62	107	369128	7.29	ug/mL	98
12) 3-, 4-Methylphenol	7.86	107	885666	12.33	ug/mL#	83
13) Bis(2-chloroisopropyl)ethe	7.66	45	841136	7.13	ug/mL	99
14) N-Nitrosodi-n-propylamine	7.86	70	287303	7.14	ug/mL	97
15) Hexachloroethane	7.98	117	117196	5.02	ug/mL	98
19) Nitrobenzene	8.10	77	706073	9.45	ug/mL	99
20) Isophorone	8.47	82	1081779	9.85	ug/mL	98
21) 2-Nitrophenol	8.58	139	208786	6.71	ug/mL	99
22) 2,4-Dimethylphenol	8.67	122	230563	5.35	ug/mL	96
23) Benzoic Acid	8.83	122	205722	6.93	ug/mL	99
24) Bis(2-chloroethoxy)methane	8.82	93	597441	7.75	ug/mL	98
25) 2,4-Dichlorophenol	8.95	162	327136	7.82	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212630.D Vial: 20
Acq On : 13 Dec 2005 3:44 am Operator: MRC
Sample : G161-2262-1N MSD x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 9:01 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	1,2,4-Trichlorobenzene	9.08	180	337959	7.18	ug/mL	99
27)	Naphthalene	9.20	128	1204515	7.59	ug/mL	99
28)	4-Chloroaniline	9.20	127	152688	7.63	ug/mL	97
29)	Hexachlorobutadiene	9.41	225	174810	6.80	ug/mL	100
30)	4-Chloro-3-methylphenol	10.08	107	404209	7.82	ug/mL	98
31)	2-Methylnaphthalene	10.29	142	761017	6.97	ug/mL	99
34)	Hexachlorocyclopentadiene	10.56	237	26592	2.74	ug/mL#	94
35)	2,4,6-Trichlorophenol	10.75	196	239786	7.77	ug/mL	99
36)	2,4,5-Trichlorophenol	10.80	196	243022	7.93	ug/mL	97
37)	2-Chloronaphthalene	11.06	162	783585	8.13	ug/mL	99
38)	2-Nitroaniline	11.25	65	133992	4.50	ug/mL	94
39)	3-Nitroaniline	12.29	138	15822	7.53	ug/mL#	72
40)	1-Methylnaphthalene	10.45	142	786828	8.18	ug/mL	98
41)	Dimethylphthalate	11.57	163	925279	8.42	ug/mL	99
42)	Acenaphthylene	11.73	152	1127533	9.81	ug/mL	100
43)	2,6-Dinitrotoluene	11.65	165	202648	8.39	ug/mL	99
44)	Acenaphthene	12.01	153	723580	8.27	ug/mL	100
45)	2,4-Dinitrophenol	12.08	184	65865	5.90	ug/mL	99
46)	4-Nitrophenol	12.22	109	102071	8.85	ug/mL#	78
47)	Dibenzofuran	12.29	168	1029387	7.83	ug/mL	100
48)	2,4-Dinitrotoluene	12.29	165	243539	8.41	ug/mL	90
49)	Fluorene	12.84	166	866152	8.62	ug/mL	98
50)	Diethylphthalate	12.71	149	871864	8.77	ug/mL	100
51)	4-Chlorophenyl phenyl ethe	12.86	204	424444	8.41	ug/mL	95
52)	4-Nitroaniline	12.89	138	24583	3.68	ug/mL#	61
56)	4,6-Dinitro-2-methylphenol	12.94	198	102596	6.46	ug/mL	97
57)	Diphenylamine	13.06	169	617634	12.83	ug/mL	95
58)	4-bromophenyl phenyl ether	13.65	248	221186	8.23	ug/mL	96
59)	Hexachlorobenzene	13.73	284	212293	8.44	ug/mL	95
60)	Pentachlorophenol	14.05	266	125512	8.10	ug/mL	98
61)	Phenanthrene	14.38	178	1133730	8.18	ug/mL	99
63)	Anthracene	14.46	178	1071844	8.31	ug/mL	99
64)	Azobenzene	13.11	77	1126006	8.00	ug/mL	99
65)	Di-n-Butylphthalate	15.36	149	1496232	8.81	ug/mL	99
66)	Fluoranthene	16.30	202	1177955	8.08	ug/mL	99
86)	Pyrene	16.65	202	1252358	9.12	ug/mL	98
87)	Butylbenzylphthalate	17.77	149	621591	8.97	ug/mL	99
88)	Benzo[a]anthracene	18.58	228	945687	8.49	ug/mL	98
89)	3,3'-Dichlorobenzidine	18.57	252	146115	17.67	ug/mL#	97
90)	Chrysene	18.64	228	911803	8.63	ug/mL	98
91)	Bis(2-ethylhexyl)phthalate	18.72	149	882382	9.00	ug/mL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\6121205\1212630.D Vial: 20
Acq On : 13 Dec 2005 3:44 am Operator: MRC
Sample : G161-2262-1N MSD x1 Inst : MSD6
Misc : 8270 [3520-4148] Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Dec 13 9:01 2005 Quant Results File: 8270.RES

Quant Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
94)	Di-n-octylphthalate	19.72	149	1423871	8.52	ug/mL	100
95)	Benzo[b]fluoranthene	20.29	252	834382	8.44	ug/mL	99
96)	Benzo[k]fluoranthene	20.33	252	818623	8.85	ug/mL	99
97)	Benzo[a]pyrene	20.87	252	646414	8.21	ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	23.37	276	420826	8.10	ug/mL	99
99)	Dibenzo[a,h]anthracene	23.45	278	396349	8.20	ug/mL	97
100)	Benzo[g,h,i]perylene	24.10	276	459882	8.50	ug/mL	99

(#) = qualifier out of range (m) = manual integration
1212630.D 8270.M Tue Dec 13 09:10:58 2005 ENV Page 3

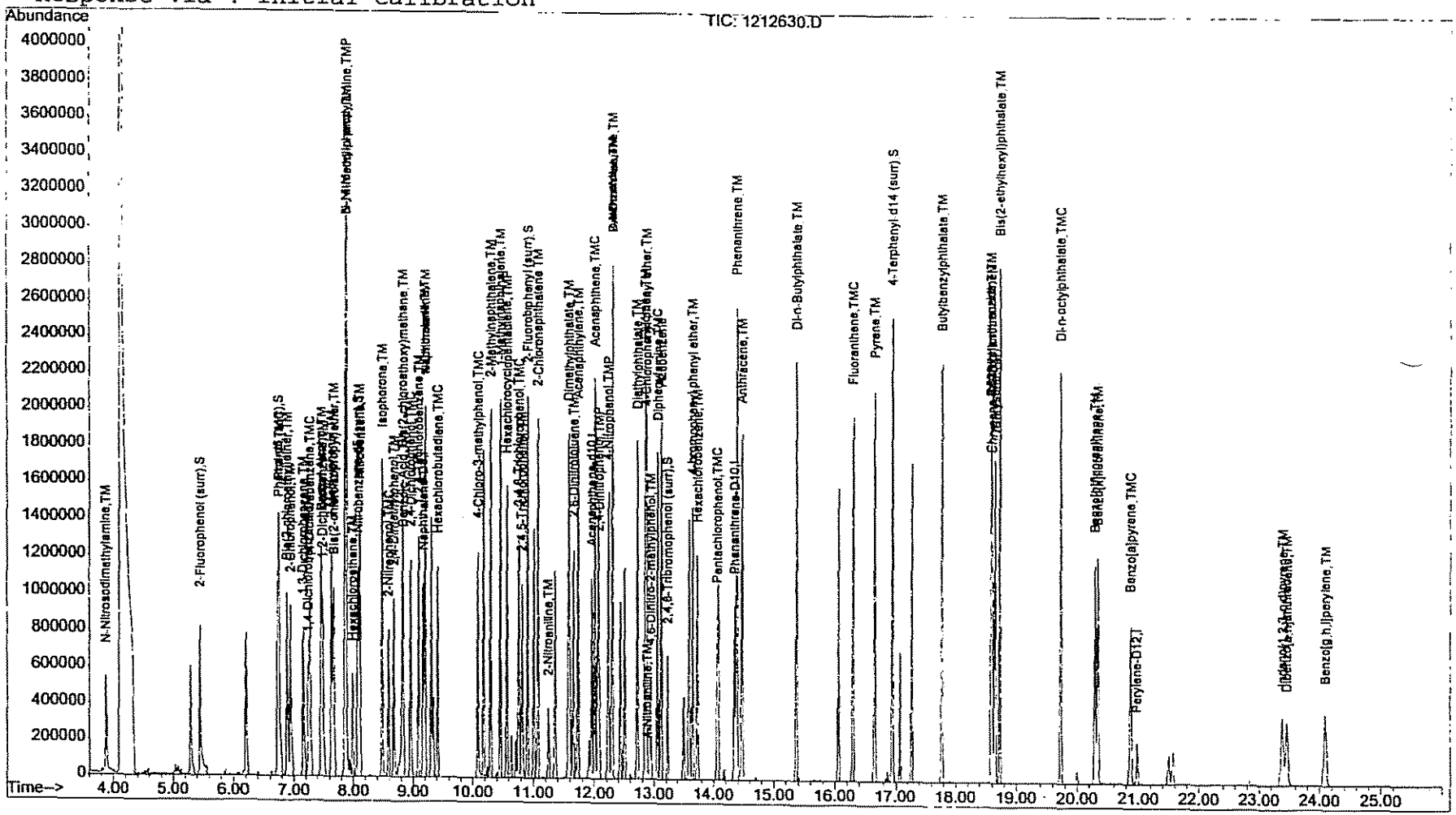
Quantitation Report

Data File : C:\HPCHEM\1\DATA\6121205\1212630.D
Acq On : 13 Dec 2005 3:44 am
Sample : G161-2262-1N MSD x1
Misc : 8270 [3520-4148]
MS Integration Params: LSCINT.P
Quant Time: Dec 13 9:01 2005

Vial: 20
Operator: MRC
Inst : MSD6
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\HPCHEM\1\DATA\6121205\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Dec 12 16:39:01 2005
Response via : Initial Calibration



1212630.D 8270.M Tue Dec 13 09:11:01 2005 ENV

625-BN Prep, Standard, Run Logs

Prep Report for Batch 4148 (8270/3520/WATER) on 2005-12-09 by eaw

Sample ID (GCCODE)	EXT	InitVol	QCSpikeID	QCSpikeVol	SSpikeID	SSpikeVol	FinalVol	CH2Cl2Lot
G161-2262-1L (187978)		500			8270SRSV03W20M	0.5	5.0	CP372
G161-2262-1M (187979)	MS	200	8270SVMS01W18A	0.5	8270SRSV03W20M	0.5	5.0	CP372
G161-2262-1N (187980)	MSD	225	8270SVMS01W18A	0.5	8270SRSV03W20M	0.5	5.0	CP372
G161-2262-2L (187981)		500			8270SRSV03W20M	0.5	5.0	CP372
G161-2262-3N (187982)		500			8270SRSV03W20M	0.5	5.0	CP372
G239-564-3C (188008)		500			8270SRSV03W20M	0.5	5.0	CP372
LCS4148	LCS	500	8270SVMS01W18A	0.5	8270SRSV03W20M	0.5	5.0	CP372
PB4148	PB	500			8270SRSV03W20M	0.5	5.0	CP372

Paradigm Analytical
MSD6 Runlog

Method: 8270 / 625
Matrix: Water / Soil
ICAL Batch ID: 6121205
Batch ID: 6121205

DFTPP STD ID: SVMS01-W17-H
CVS STD ID: SVMS01-W17-N
CAL STD ID: SVMS01-W17-A
IS STD ID: SVMS01-W16-Q

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
1212601.D	DFTPP 50ng	12/12/2005 8:05	OK			MRC	
1212602.D	SVCAL48	12/12/2005 9:40				MRC	
1212603.D	SVCAL01	12/12/2005 10:15				MRC	
1212604.D	SVCAL02	12/12/2005 11:31	OK			MRC	
1212605.D	SVCAL04	12/12/2005 12:07	8270			MRC	
1212606.D	SVCAL06	12/12/2005 14:14				MRC	
1212607.D	SVCAL08	12/12/2005 14:50				MRC	
1212608.D	SVCAL12	12/12/2005 15:26				MRC	
1212609.D	SVCAL24	12/12/2005 16:01				MRC	
1212611.D	DFTPP 50ng	12/12/2005 16:31	OK			MRC	
1212612.D	SVCVS24	12/12/2005 17:04	OK			MRC	
1212613.D	SVCVS06	12/12/2005 17:41	OK			MRC	
1212614.D	PB4146 x1	12/12/2005 18:16		OK	OK	MRC	
1212615.D	LCS4146 x1	12/12/2005 18:51				MRC	
1212616.D	G128-1649-2I MS x1	12/12/2005 19:27				MRC	
1212617.D	G128-1649-2J MSD x1	12/12/2005 20:03				MRC	
1212618.D	G128-1649-2H x1	12/12/2005 20:38				MRC	
1212619.D	PB4151 x1	12/12/2005 21:14				MRC	
1212620.D	LCS4151 x1	12/12/2005 21:50				MRC	
1212621.D	G128-1649-11J MS x1	12/12/2005 22:25				MRC	

Analyst: MR

Page Number: 2030

PARADIGM ANALYTICAL LABORATORIES, INC

N.C. CERTIFICATION #481

Paradigm Analytical
MSD6 Runlog

Method: 8270 / 625
Matrix: Water / Soil
ICAL Batch ID: 6121205
Batch ID: 6121205

DFTPP STD ID: SVMS01-W17-H
CVS STD ID: SVMS01-W17-N
CAL STD ID: SVMS01-W17-A
IS STD ID: SVMS01-W16-Q

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
1212622.D	G128-1649-11K MSD x1	12/12/2005 23:01		OK	OK	MRC	
1212623.D	G128-1649-4J x1	12/12/2005 23:37				MRC	
1212624.D	G128-1649-5H x1	12/13/2005 0:12				MRC	
1212625.D	G128-1649-6H x1	12/13/2005 0:48				MRC	
1212626.D	G128-1649-11I x1	12/13/2005 1:23				MRC	
1212627.D	PB4148 x1	12/13/2005 1:59				MRC	
1212628.D	LCS4148 x1	12/13/2005 2:34				MRC	
1212629.D	G161-2262-1M MS x1	12/13/2005 3:09				MRC	
1212630.D	G161-2262-1N MSD x1	12/13/2005 3:44				MRC	
1212631.D	G239-564-3C x1	12/13/2005 4:19				MRC	
1212632.D	G161-2262-1L x1	12/13/2005 4:54				MRC	
1212633.D	G161-2262-2L x1	12/13/2005 5:29				MRC	
1212634.D	G161-2262-3N x1	12/13/2005 6:04				MRC	

Analyst: [illegible]

Page Number: 2031

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

Metals Sample Raw Data

Sample/Batch Report

RMLL

121205a

User Name: rml
Computer Name: RML
Sample File: C:\elandata\Sample\121205a.sam
Report Date/Time: Monday, December 12, 2005 13:24:07

CURVE → MS120705-1

A/S Loc	Batch ID	Sample ID	Description	Sample Type	Init Quant	Prep Vol	Aliquot Vol	Diluted Vol	Solids Ratio
7		icv ✓							
9		icsA1 ✓							
10		icsB1 ✓							
2		lowstd							
3		ccv1 ✓							
5		cvs1 ✓							
1		ccb1 ✓							
11		pb4155 x25 ✓							
12		lcs4155 x25 ✓							
13		lcd4155 x25 ✓							
14		G128-1651-5I x25							
15		G128-1651-5J ms x25							
16		G128-1651-5K msd x25							
17		G128-1651-3I x25			Sc → 116339 - 96949 - 29085				
18		G128-1651-1I x25							
19		G128-1651-4I x25							
20		G161-2262-1O x25			Ge → 70008 - 58340 - 17502				
3		ccv2 ✓							
5		cvs2 ✓							
1		ccb2 ✓			Lu → 108138 - 90115 - 27035				
21		G161-2262-2M x25							
22		G161-2262-3O x25							
23		G161-2262-3P dup x25							
24		G161-2262-3P dup x125 SD							
25		G161-2262-3P dup x25 PDS							
9		icsA2 ✓							
10		icsB2 ✓							
3		ccv3 ✓							
5		cvs3 ✓							
1		ccb3 ✓							

Quantitative Analysis - Summary

Sample ID: Blank

Autosampler Position: 1
Sample Date/Time Monday, December 12, 2005 10:52 24
Sample File: C:\elandata\Sample\121205a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\121205\Blank 001

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	46093.178					ppb
	Mg	24	2444.870					ppb
	Al	27	8582.605					ppb
	K	39	1024122.503					ppb
	Ca	43	733.799					ppb
>	Sc	45	96949.092					ppb
	Cr	52	5788.316					ppb
	Fe	57	14826.606					ppb
>	Ge	72	58339.656					ppb
>	Lu	175	90114.923					ppb
	Pb	208	1228.127					ppb

Quantitative Analysis - Summary

Sample ID: Standard 1

Autosampler Position: 2
Sample Date/Time: Monday, December 12. 2005 10 55:59
Sample File C:\elandata\Sample\121205a sam
Method File c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\121205\Standard 1 002

Concentration Results

	Analyte	Mass	Meas. Intens Mean	Net Intens Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	46973.631	0.010				ppb
	Mg	24	11725.765	0.096				ppb
	Al	27	21878.031	0.137				ppb
	K	39	1048752.771	0.275				ppb
	Ca	43	677.965	-0.001				ppb
>	Sc	45	96775.704	96775.704				ppb
	Cr	52	6479.484	0.011	**0.100**	0.014	14.0	ppb
	Fe	57	15747.398	0.015				ppb
>	Ge	72	58555.636	58555.636				ppb
>	Lu	175	91292.898	91292.898				ppb
	Pb	208	4624.725	0.037	**0.100**	0.001	1.0	ppb

Quantitative Analysis - Summary

Sample ID: Standard 2

Autosampler Position: 3
Sample Date/Time: Monday, December 12, 2005 10:59:34
Sample File: C:\elandata\Sample\121205a sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\121205\Standard 2 003

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	8916.018	-0.384				ppb
	Mg	24	966.492	-0.015				ppb
	Al	27	4329.573	-0.044				ppb
	K	39	1008400.012	-0.213				ppb
	Ca	43	568.865	-0.002				ppb
>	Sc	45	97439.028	97439.028				ppb
	Cr	52	43990.097	0.649	**5.000**	0.112	2.2	ppb
	Fe	57	14787.891	-0.003				ppb
>	Ge	72	58801.161	58801.161				ppb
>	Lu	175	91483.775	91483.775				ppb
	Pb	208	192870.793	2.095	**5.000**	0.059	1.2	ppb

Quantitative Analysis - Summary

Sample ID: Standard 3

Autosampler Position: 4
Sample Date/Time Monday, December 12, 2005 11 03:09
Sample File C:\elandata\Sample\121205a sam
Method File c:\elandata\Method\6020 mth
Dataset File C \elandata\Dataset\121205\Standard 3 004

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	77106.450	0.308	**10.000**	0.207	2 1	ppb
	Mg	24	30050.072	0.280	**10.000**	0.164	1.6	ppb
	Al	27	45708.203	0 376	**10.000**	0.171	1 7	ppb
	K	39	1093611.793	0.546	**10.000**	1.139	11 4	ppb
	Ca	43	738.842	-0 000	**10.000**	58.682	586 8	ppb
>	Sc	45	98445.925	98445.925				ppb
	Cr	52	82006.011	1 299	**10.001**	0.044	0 4	ppb
	Fe	57	17649.992	0.047	**10.000**	0 481	4 8	ppb
>	Ge	72	58656.424	58656.424				ppb
>	Lu	175	90519.702	90519.702				ppb
	Pb	208	382578.693	4.213	**10.011**	0.144	1.4	ppb

Quantitative Analysis - Summary

Sample ID: Standard 4

Autosampler Position: 5
Sample Date/Time: Monday, December 12, 2005 11:06:44
Sample File C \elandata\Sample\121205a sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\121205\Standard 4.005

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	1978889.277	19.630	**500.043**	2.740	0.5	ppb
	Mg	24	1374173.647	13.937	**499.999**	4.845	1.0	ppb
	Al	27	1923978.061	19.459	**500.007**	1.669	0.3	ppb
	K	39	4016250.249	30.242	**500.020**	2.714	0.5	ppb
	Ca	43	7083.294	0.064	**500.210**	6.002	1.2	ppb
>	Sc	45	98425.418	98425.418				ppb
	Cr	52	5746.971	-0.002	**-0.014**	0.007	49.7	ppb
	Fe	57	135287.338	2.038	**499.971**	8.328	1.7	ppb
>	Ge	72	59022.422	59022.422				ppb
>	Lu	175	92284.064	92284.064				ppb
	Pb	208	596.767	-0.007	**-0.017**	0.001	5.2	ppb

Quantitative Analysis - Summary

Sample ID: Standard 5

Autosampler Position: 6
Sample Date/Time: Monday, December 12, 2005 11:10:20
Sample File C \elandata\Sample\121205a sam
Method File c \elandata\Method\6020 mth
Dataset File: C \elandata\Dataset\121205\Standard 5 006

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc RSD	Sample Unit
	Na	23	3938469.519	40.089	**1004.166**	19.926	2.0	ppb
	Mg	24	2735126.002	28.146	**1001.942**	20.402	2.0	ppb
	Al	27	3799156.694	39.044	**1000.647**	24.197	2.4	ppb
	K	39	7063390.349	62.190	**1005.526**	24.784	2.5	ppb
	Ca	43	13586.252	0.132	**1005.515**	24.288	2.4	ppb
>	Sc	45	97113.547	97113.547				ppb
	Cr	52	5566.224	-0.005	**-0.037**	0.009	25.1	ppb
	Fe	57	254030.630	4.055	**998.936**	5.309	0.5	ppb
>	Ge	72	58953.613	58953.613				ppb
>	Lu	175	92493.139	92493.139				ppb
	Pb	208	807.280	-0.005	**-0.012**	0.001	4.5	ppb

Quantitative Analysis - Summary

Sample ID: icv

Autosampler Position: 7
Sample Date/Time Monday, December 12, 2005 11 13 57
Sample File: C:\elandata\Sample\121205a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\121205\icv 007

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	20059110 607	201 911	**5057.592**	22.351	0 4	ppb
	Mg	24	14064426.635	141 878	**5050.557**	31.085	0.6	ppb
	Al	27	780013 435	7.781	**199.427**	1.140	0.6	ppb
	K	39	32426530.118	316.604	**5119.089**	4 875	0 1	ppb
	Ca	43	64884.584	0.647	**4915.311**	11 615	0.2	ppb
>	Sc	45	99112.841	99112 841				ppb
	Cr	52	84334.979	1.305	**10.052**	0.046	0.5	ppb
	Fe	57	41527 769	0.438	**107.780**	0 931	0 9	ppb
>	Ge	72	60040.582	60040.582				ppb
>	Lu	175	94871.694	94871.694				ppb
	Pb	208	199996.290	2.094	**4.977**	0 030	0 6	ppb

Quantitative Analysis - Summary

Sample ID: icsA1

Autosampler Position: 9
Sample Date/Time: Monday. December 12. 2005 11:17 32
Sample File: C:\elandata\Sample\121205a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\121205\icsA1.008

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	20413940.287	206.975	**5184.455**	19.343	0.4	ppb
	Mg	24	14135086.916	143.624	**5112.693**	35.094	0.7	ppb
	Al	27	19751595.147	200.631	**5141.913**	17.857	0.3	ppb
	K	39	32591838.379	320.641	**5184.357**	18.514	0.4	ppb
	Ca	43	65717.279	0.660	**5015.831**	57.909	1.2	ppb
>	Sc	45	98407.365	98407.365				ppb
	Cr	52	5543.875	-0.008	**-0.058**	0.021	36.5	ppb
	Fe	57	1236868.806	20.195	**4974.831**	27.304	0.5	ppb
>	Ge	72	60488.451	60488.451				ppb
>	Lu	175	94101.825	94101.825				ppb
	Pb	208	1146.310	-0.001	**-0.003**	0.001	26.1	ppb

Quantitative Analysis - Summary

Sample ID: icsB1

Autosampler Position: 10
Sample Date/Time: Monday, December 12, 2005 11:21:06
Sample File: C:\elandata\Sample\121205a sam
Method File c:\elandata\Method\6020 mth
Dataset File C:\elandata\Dataset\121205\icsB1 009

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	20350550.797	205 526	**5148.162**	15 084	0 3	ppb
	Mg	24	14156393.148	143 276	**5100.316**	13.299	0 3	ppb
	Al	27	19668371.827	199.013	**5100.434**	24.728	0 5	ppb
	K	39	32457019 208	318 005	**5141.745**	48.846	0 9	ppb
	Ca	43	65716.443	0.658	**4995.946**	57.600	1.2	ppb
>	Sc	45	98788 402	98788.402				ppb
	Cr	52	28147.946	0.370	**2.849**	0.015	0 5	ppb
	Fe	57	1223655 556	20.142	**4961.809**	50.815	1 0	ppb
>	Ge	72	59997.156	59997 156				ppb
>	Lu	175	93678.300	93678 300				ppb
	Pb	208	119151.993	1.258	**2.990**	0.035	1.2	ppb

Quantitative Analysis - Summary

Sample ID: lowstd

Autosampler Position: 2
Sample Date/Time Monday, December 12, 2005 11:24:41
Sample File: C:\elandata\Sample\121205a sam
Method File c:\elandata\Method\6020 mth
Dataset File C \elandata\Dataset\121205\lowstd 010

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	49374.870	0.036	**0.900**	0.133	14.8	ppb
	Mg	24	12566.934	0.105	**3.735**	0.140	3.7	ppb
	Al	27	23180.891	0.151	**3.882**	0.326	8.4	ppb
	K	39	1065886.185	0.475	**7.683**	1.172	15.2	ppb
	Ca	43	705.170	-0.000	**-2.023**	1.148	56.7	ppb
>	Sc	45	96562.664	96562.664				ppb
	Cr	52	6302.603	0.008	**0.065**	0.014	21.4	ppb
	Fe	57	15967.925	0.019	**4.605**	0.946	20.5	ppb
>	Ge	72	58529.703	58529.703				ppb
>	Lu	175	91224.530	91224.530				ppb
	Pb	208	4637.398	0.037	**0.088**	0.003	3.0	ppb

Quantitative Analysis - Summary

Sample ID: ccv1

Autosampler Position: 3
Sample Date/Time Monday, December 12, 2005 11:28:15
Sample File C:\elandata\Sample\121205a sam
Method File c \elandata\Method\6020 mth
Dataset File C \elandata\Dataset\121205\ccv1 011

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	9956.060	-0.373	**-9.339**	0.057	0.6	ppb
	Mg	24	1106.623	-0.014	**-0.493**	0.123	24.9	ppb
	Al	27	4302.217	-0.044	**-1.134**	0.287	25.3	ppb
	K	39	1014138.735	-0.109	**-1.765**	1.543	87.4	ppb
	Ca	43	543.499	-0.002	**-14.925**	1.862	12.5	ppb
>	Sc	45	97012.759	97012.759				ppb
	Cr	52	44177.306	0.649	**5.000**	0.067	1.3	ppb
	Fe	57	15001.743	0.000	**0.012**	1.321	11071.4	ppb
>	Ge	72	59022.453	59022.453				ppb
>	Lu	175	92038.710	92038.710				ppb
	Pb	208	193038.938	2.084	**4.952**	0.053	1.1	ppb

Quantitative Analysis - Summary

Sample ID: cvs1

Autosampler Position: 5
Sample Date/Time: Monday, December 12, 2005 11:31:50
Sample File: C:\elandata\Sample\121205a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\121205\cvs1.012

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	2014351.282	19.975	**500.342**	2.643	0.5	ppb
	Mg	24	1403828.856	14.227	**506.447**	4.680	0.9	ppb
	Al	27	1962394.011	19.835	**508.333**	1.376	0.3	ppb
	K	39	4100304.540	31.066	**502.295**	1.642	0.3	ppb
	Ca	43	7079.498	0.064	**488.520**	8.616	1.8	ppb
>	Sc	45	98496.494	98496.494				ppb
	Cr	52	5728.286	-0.003	**-0.026**	0.005	18.3	ppb
	Fe	57	137198.522	2.042	**503.004**	2.112	0.4	ppb
>	Ge	72	59754.244	59754.244				ppb
>	Lu	175	93255.826	93255.826				ppb
	Pb	208	600.987	-0.007	**-0.017**	0.000	2.8	ppb

Quantitative Analysis - Summary

Sample ID: ccb1

Autosampler Position: 1
Sample Date/Time Monday, December 12, 2005 11 35 25
Sample File: C:\elandata\Sample\121205a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\121205\ccb1 013

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	45878.409	0.002	**0.038**	0.069	182.6	ppb
	Mg	24	2471.779	0.000	**0.017**	0.119	692.0	ppb
	Al	27	8600.223	0.001	**0.023**	0.294	1300.0	ppb
	K	39	1041421.586	0.263	**4.257**	1.501	35.3	ppb
	Ca	43	807.855	0.001	**6.302**	0.604	9.6	ppb
>	Sc	45	96194.025	96194.025				ppb
	Cr	52	5709.063	-0.001	**-0.009**	0.007	78.6	ppb
	Fe	57	15230.864	0.007	**1.820**	1.295	71.2	ppb
>	Ge	72	58246.259	58246.259				ppb
>	Lu	175	89543.877	89543.877				ppb
	Pb	208	1252.920	0.000	**0.001**	0.001	63.8	ppb

Quantitative Analysis - Summary

Sample ID: pb4155 x25

Autosampler Position: 11
Sample Date/Time: Monday, December 12. 2005 11:39:00
Sample File: C:\elandata\Sample\121205a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\121205\pb4155 x25 014

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	21939.378	-0.266	**-6.652**	0.522	7.9	ppb
	Mg	24	620.985	-0.019	**-0.686**	0.061	8.9	ppb
	Al	27	3803.936	-0.052	**-1.337**	0.189	14.1	ppb
	K	39	1014350.158	-0.859	**-13.889**	0.998	7.2	ppb
	Ca	43	511.709	-0.003	**-20.303**	1.400	6.9	ppb
>	Sc	45	104525.603	104525.603				ppb
	Cr	52	6508.646	0.003	**0.026**	0.019	70.3	ppb
	Fe	57	15142.458	-0.015	**-3.784**	1.051	27.8	ppb
>	Ge	72	63427.573	63427.573				ppb
>	Lu	175	98338.640	98338.640				ppb
	Pb	208	280.149	-0.011	**-0.026**	0.000	0.7	ppb

Quantitative Analysis - Summary

Sample ID: lcs4155 x25

Autosampler Position: 12
Sample Date/Time: Monday, December 12, 2005 11:42:35
Sample File: C:\elandata\Sample\121205a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\121205\lcs4155 x25.015

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc RSD	Sample Unit
	Na	23	17997.185	-0.302	**-7.564**	0.233	3.1	ppb
	Mg	24	663.630	-0.019	**-0.670**	0.053	7.9	ppb
	Al	27	4398.559	-0.046	**-1.182**	0.145	12.2	ppb
	K	39	1010488.833	-0.825	**-13.334**	0.842	6.3	ppb
	Ca	43	506.413	-0.003	**-20.403**	3.404	16.7	ppb
>	Sc	45	103761.601	103761.601				ppb
	Cr	52	124872.002	1.888	**14.534**	0.204	1.4	ppb
	Fe	57	33487.344	0.279	**68.643**	0.995	1.4	ppb
>	Ge	72	62853.535	62853.535				ppb
>	Lu	175	97862.193	97862.193				ppb
	Pb	208	595414.392	6.071	**14.425**	0.099	0.7	ppb

Quantitative Analysis - Summary

Sample ID: lcd4155 x25

Autosampler Position: 13
Sample Date/Time: Monday, December 12. 2005 11 46:10
Sample File C \elandata\Sample\121205a sam
Method File c \elandata\Method\6020 mth
Dataset File C \elandata\Dataset\121205\lcd4155 x25 016

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc RSD	Sample Unit
	Na	23	17676.461	-0.306	**-7.665**	0.200	2.6	ppb
	Mg	24	706.700	-0.018	**-0.657**	0.072	10.9	ppb
	Al	27	4939.851	-0.041	**-1.056**	0.221	21.0	ppb
	K	39	1007424.837	-0.903	**-14.602**	1.530	10.5	ppb
	Ca	43	522.801	-0.003	**-19.400**	2.323	12.0	ppb
>	Sc	45	104291.570	104291.570				ppb
	Cr	52	122843.544	1.840	**14.164**	0.111	0.8	ppb
	Fe	57	33579.645	0.276	**67.952**	2.116	3.1	ppb
>	Ge	72	63368.152	63368.152				ppb
>	Lu	175	98190.222	98190.222				ppb
	Pb	208	586229.021	5.957	**14.154**	0.086	0.6	ppb

Quantitative Analysis - Summary

Sample ID: G128-1651-5I x25

Autosampler Position: 14
Sample Date/Time Monday. December 12. 2005 11:49:47
Sample File C:\elandata\Sample\121205a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C \elandata\Dataset\121205\G128-1651-5I x25 017

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	4423230.836	41.297	**1034.430**	9.172	0.9	ppb
	Mg	24	53600.184	0.481	**17.122**	0.311	1.8	ppb
	Al	27	290007.271	2.650	**67.923**	0.486	0.7	ppb
	K	39	1542016.316	3.999	**64.654**	1.327	2.1	ppb
	Ca	43	24533.752	0.224	**1702.438**	5.612	0.3	ppb
>	Sc	45	105892.337	105892.337				ppb
	Cr	52	7360.751	0.015	**0.115**	0.013	11.1	ppb
	Fe	57	16504.434	0.002	**0.472**	0.986	208.9	ppb
>	Ge	72	64455.704	64455.704				ppb
>	Lu	175	100230.079	100230.079				ppb
	Pb	208	885.253	-0.005	**-0.011**	0.000	2.0	ppb

Quantitative Analysis - Summary

Sample ID: G128-1651-5J ms x25

Autosampler Position: 15
Sample Date/Time: Monday, December 12, 2005 11:53:24
Sample File: C:\elandata\Sample\121205a sam
Method File: c \elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\121205\G128-1651-5J ms x25.018

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	4355303.876	40.966	**1026.133**	4.436	0.4	ppb
	Mg	24	52611.915	0.475	**16.922**	0.062	0.4	ppb
	Al	27	285220.576	2.625	**67.285**	0.458	0.7	ppb
	K	39	1518851.157	3.889	**62.875**	1.820	2.9	ppb
	Ca	43	24018.296	0.221	**1678.464**	8.744	0.5	ppb
>	Sc	45	105097.791	105097.791				ppb
	Cr	52	125712.847	1.878	**14.461**	0.144	1.0	ppb
	Fe	57	34594.427	0.290	**71.425**	0.090	0.1	ppb
>	Ge	72	63582.446	63582.446				ppb
>	Lu	175	98818.183	98818.183				ppb
	Pb	208	608590.898	6.145	**14.602**	0.098	0.7	ppb

Quantitative Analysis - Summary

Sample ID: G128-1651-5K msd x25

Autosampler Position: 16
Sample Date/Time: Monday, December 12. 2005 11 57 01
Sample File: C:\elandata\Sample\121205a.sam
Method File: c:\elandata\Method\6020 mth
Dataset File C:\elandata\Dataset\121205\G128-1651-5K msd x25 019

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	4329541 425	41.289	**1034.244**	8 360	0.8	ppb
	Mg	24	52011.557	0 477	**16.964**	0 312	1.8	ppb
	Al	27	284308 212	2 654	**68.023**	1.018	1.5	ppb
	K	39	1517424.697	4.075	**65.883**	2.881	4 4	ppb
	Ca	43	23911.920	0.223	**1694.691**	18.082	1.1	ppb
>	Sc	45	103669.954	103669.954				ppb
	Cr	52	136282.119	2.025	**15.589**	0.095	0 6	ppb
	Fe	57	36145.517	0 309	**76.153**	1.097	1 4	ppb
>	Ge	72	64170.798	64170.798				ppb
>	Lu	175	99854.846	99854.846				ppb
	Pb	208	660500 562	6.601	**15.684**	0.042	0.3	ppb

Quantitative Analysis - Summary

Sample ID: G128-1651-3I x25

Autosampler Position: 17
Sample Date/Time: Monday, December 12, 2005 12:00:37
Sample File: C:\elandata\Sample\121205a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\121205\G128-1651-3I x25.020

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	12644581.764	121.023	**3031.453**	23.316	0.8	ppb
	Mg	24	27970.006	0.244	**8.670**	0.078	0.9	ppb
	Al	27	286894.402	2.668	**68.381**	0.456	0.7	ppb
	K	39	1755700.763	6.307	**101.970**	1.871	1.8	ppb
	Ca	43	17568.786	0.161	**1224.802**	13.850	1.1	ppb
>	Sc	45	104075.157	104075.157				ppb
	Cr	52	7189.401	0.014	**0.111**	0.012	10.5	ppb
	Fe	57	15336.937	-0.012	**-2.907**	0.464	16.0	ppb
>	Ge	72	63288.636	63288.636				ppb
>	Lu	175	98697.142	98697.142				ppb
	Pb	208	917.458	-0.004	**-0.010**	0.000	4.6	ppb

Quantitative Analysis - Summary

Sample ID: G128-1651-1I x25

Autosampler Position: 18
Sample Date/Time: Monday, December 12, 2005 12:04:11
Sample File: C:\elandata\Sample\121205a sam
Method File c:\elandata\Method\6020.mth
Dataset File: C \elandata\Dataset\121205\G128-1651-1I x25 021

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	10736947.194	101.420	**2540.427**	41.637	1.6	ppb
	Mg	24	78057.439	0.716	**25.472**	0.408	1.6	ppb
	Al	27	197714.935	1.788	**45.820**	0.576	1.3	ppb
	K	39	1907366.905	7.538	**121.879**	2.258	1.9	ppb
	Ca	43	21784.574	0.199	**1512.923**	13.382	0.9	ppb
>	Sc	45	105372.396	105372.396				ppb
	Cr	52	7240.655	0.014	**0.106**	0.011	10.1	ppb
	Fe	57	15408.564	-0.014	**-3.373**	0.912	27.0	ppb
>	Ge	72	64085.270	64085.270				ppb
>	Lu	175	101026.605	101026.605				ppb
	Pb	208	996.774	-0.004	**-0.009**	0.001	8.8	ppb

Quantitative Analysis - Summary

Sample ID: G128-1651-4I x25

Autosampler Position: 19
Sample Date/Time Monday, December 12. 2005 12 07 45
Sample File: C \elandata\Sample\121205a sam
Method File c:\elandata\Method\6020 mth
Dataset File C:\elandata\Dataset\121205\G128-1651-4I x25.022

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	9245922 851	88.558	**2218.260**	19.718	0.9	ppb
	Mg	24	69941 936	0.648	**23.079**	0 402	1 7	ppb
	Al	27	199713 226	1 835	**47.020**	0 661	1.4	ppb
	K	39	1739224.700	6 184	**99.991**	2 157	2.2	ppb
	Ca	43	20019.307	0 185	**1406.766**	0.881	0 1	ppb
>	Sc	45	103853.753	103853 753				ppb
	Cr	52	8298 339	0.032	**0.247**	0.008	3 4	ppb
	Fe	57	20233.575	0.066	**16.241**	1.684	10.4	ppb
>	Ge	72	63226 168	63226.168				ppb
>	Lu	175	98829.936	98829.936				ppb
	Pb	208	1478.548	0 001	**0.003**	0 001	16.9	ppb

Quantitative Analysis - Summary

Sample ID: G161-2262-1O x25

Autosampler Position: 20
Sample Date/Time: Monday, December 12. 2005 12:11 19
Sample File: C:\elandata\Sample\121205a.sam
Method File: c \elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\121205\G161-2262-1O x25.023

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	5067416.265	46.362	**1161.314**	6.674	0.6	ppb
	Mg	24	559152.012	5.143	**183.085**	1.906	1.0	ppb
	Al	27	48503.073	0.360	**9.220**	0.217	2.4	ppb
	K	39	1640598.055	4.601	**74.385**	1.438	1.9	ppb
	Ca	43	22010.556	0.196	**1487.905**	15.706	1.1	ppb
>	Sc	45	108192.657	108192.657				ppb
	Cr	52	7484.671	0.015	**0.118**	0.010	8.8	ppb
	Fe	57	21744.356	0.078	**19.337**	0.700	3.6	ppb
>	Ge	72	65369.679	65369.679				ppb
>	Lu	175	102242.829	102242.829				ppb
	Pb	208	842.490	-0.005	**-0.013**	0.001	4.1	ppb

Quantitative Analysis - Summary

Sample ID: ccv2

Autosampler Position: 3
Sample Date/Time: Monday, December 12, 2005 12:14:53
Sample File C:\elandata\Sample\121205a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\121205\ccv2 024

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	9243.397	-0.379	**-9.489**	0.049	0.5	ppb
	Mg	24	909.173	-0.016	**-0.560**	0.098	17.5	ppb
	Al	27	3637.387	-0.051	**-1.295**	0.252	19.4	ppb
	K	39	1001389.383	-0.095	**-1.538**	0.767	49.9	ppb
	Ca	43	568.404	-0.002	**-12.350**	2.000	16.2	ppb
>	Sc	45	95660.514	95660.514				ppb
	Cr	52	43400.050	0.650	**5.007**	0.091	1.8	ppb
	Fe	57	13808.121	-0.016	**-3.860**	1.345	34.9	ppb
>	Ge	72	57910.859	57910.859				ppb
>	Lu	175	89207.677	89207.677				ppb
	Pb	208	191406.567	2.132	**5.066**	0.034	0.7	ppb

Quantitative Analysis - Summary

Sample ID: cvs2

Autosampler Position: 5
Sample Date/Time Monday, December 12. 2005 12:18 29
Sample File: C:\elandata\Sample\121205a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\121205\cvs2 025

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	1994904 257	19.822	**496.525**	4.608	0.9	ppb
	Mg	24	1390579 872	14.124	**502.774**	4.173	0.8	ppb
	Al	27	1948232 064	19 735	**505.770**	3.435	0.7	ppb
	K	39	4096488 216	31 118	**503.142**	2.625	0 5	ppb
	Ca	43	6985.048	0.064	**482.373**	5.790	1 2	ppb
>	Sc	45	98279.192	98279 192				ppb
	Cr	52	5885 541	-0.000	**-0.001**	0 013	1278 1	ppb
	Fe	57	137130 144	2.054	**506.078**	0.355	0 1	ppb
>	Ge	72	59401.651	59401.651				ppb
>	Lu	175	92371 818	92371.818				ppb
	Pb	208	591.643	-0.007	**-0.017**	0.000	1.4	ppb

Quantitative Analysis - Summary

Sample ID: ccb2

Autosampler Position: 1
Sample Date/Time: Monday, December 12, 2005 12:22:04
Sample File: C:\elandata\Sample\121205a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\121205\ccb2.026

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens Mean	**Conc. Mean**	Conc. SD	Conc RSD	Sample Unit
	Na	23	44811.080	-0.009	**-0.227**	0.125	55.1	ppb
	Mg	24	2389.615	-0.000	**-0.012**	0.104	867.1	ppb
	Al	27	8221.767	-0.003	**-0.076**	0.299	394.9	ppb
	K	39	1044288.334	0.305	**4.929**	1.759	35.7	ppb
	Ca	43	753.759	0.000	**2.087**	2.185	104.7	ppb
>	Sc	45	96092.234	96092.234				ppb
	Cr	52	5869.818	0.002	**0.018**	0.002	12.9	ppb
	Fe	57	14362.943	-0.006	**-1.381**	0.554	40.1	ppb
>	Ge	72	57789.585	57789.585				ppb
>	Lu	175	89225.026	89225.026				ppb
	Pb	208	1215.963	-0.000	**-0.000**	0.002	226973.7	ppb

Quantitative Analysis - Summary

Sample ID: G161-2262-2M x25

Autosampler Position: 21
Sample Date/Time: Monday, December 12, 2005 12:25:38
Sample File: C:\elandata\Sample\121205a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\121205\G161-2262-2M x25 027

Concentration Results

	Analyte	Mass	Meas Intens Mean	Net Intens Mean	**Conc. Mean**	Conc SD	Conc RSD	Sample Unit
	Na	23	4541469.357	41.921	**1050.060**	2.880	0.3	ppb
	Mg	24	1987691.627	18.531	**659.656**	4.726	0.7	ppb
	Al	27	1486120.995	13.786	**353.318**	6.585	1.9	ppb
	K	39	2083756.015	8.890	**143.742**	3.524	2.5	ppb
	Ca	43	26935.191	0.244	**1852.775**	41.599	2.2	ppb
>	Sc	45	107121.539	107121.539				ppb
	Cr	52	16461.979	0.156	**1.201**	0.024	2.0	ppb
	Fe	57	107311.491	1.410	**347.253**	5.670	1.6	ppb
>	Ge	72	64506.716	64506.716				ppb
>	Lu	175	101180.796	101180.796				ppb
	Pb	208	14466.886	0.129	**0.307**	0.003	0.9	ppb

Quantitative Analysis - Summary

Sample ID: G161-2262-3O x25

Autosampler Position: 22
Sample Date/Time: Monday, December 12, 2005 12:29:13
Sample File: C:\elandata\Sample\121205a sam
Method File c:\elandata\Method\6020 mth
Dataset File C:\elandata\Dataset\121205\G161-2262-3O x25 028

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	4892641.736	45.955	**1151.110**	12.696	1.1	ppb
	Mg	24	916951.310	8.676	**308.864**	3.480	1.1	ppb
	Al	27	104691.531	0.905	**23.196**	0.555	2.4	ppb
	K	39	2169117.038	10.022	**162.050**	5.679	3.5	ppb
	Ca	43	26546.896	0.244	**1856.068**	13.789	0.7	ppb
>	Sc	45	105388.565	105388.565				ppb
	Cr	52	7811.415	0.022	**0.169**	0.009	5.2	ppb
	Fe	57	27164.757	0.167	**41.245**	0.579	1.4	ppb
>	Ge	72	64436.625	64436.625				ppb
>	Lu	175	99396.804	99396.804				ppb
	Pb	208	10428.979	0.091	**0.217**	0.003	1.4	ppb

Quantitative Analysis - Summary

Sample ID: G161-2262-3P dup x25

Autosampler Position: 23
Sample Date/Time: Monday, December 12, 2005 12 32:48
Sample File C \elandata\Sample\121205a sam
Method File c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\121205\G161-2262-3P dup x25 029

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	4850234.352	46.902	**1174.843**	10.727	0.9	ppb
	Mg	24	909629.750	8.860	**315.409**	3.998	1.3	ppb
	Al	27	105380.005	0.941	**24.112**	0.271	1.1	ppb
	K	39	2153722.129	10.474	**169.349**	1.554	0.9	ppb
	Ca	43	26386.290	0.250	**1900.458**	34.084	1.8	ppb
>	Sc	45	102378.745	102378.745				ppb
	Cr	52	7591.521	0.021	**0.160**	0.002	1.2	ppb
	Fe	57	27080.384	0.174	**42.796**	0.770	1.8	ppb
>	Ge	72	63292.768	63292.768				ppb
>	Lu	175	97526.456	97526.456				ppb
	Pb	208	10362.132	0.093	**0.220**	0.002	0.8	ppb

Quantitative Analysis - Summary

Sample ID: G161-2262-3P dup x125 SD

Autosampler Position: 24
Sample Date/Time: Monday, December 12, 2005 12 36 23
Sample File: C:\elandata\Sample\121205a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\121205\G161-2262-3P dup x125 SD 030

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	859630.237	8.321	**208.423**	2.106	1.0	ppb
	Mg	24	158006.328	1.592	**56.657**	0.601	1.1	ppb
	Al	27	21283.659	0.129	**3.312**	0.176	5.3	ppb
	K	39	1223260.914	1.954	**31.587**	2.096	6.6	ppb
	Ca	43	5014.860	0.044	**332.302**	4.355	1.3	ppb
>	Sc	45	97732.437	97732.437				ppb
	Cr	52	6008.863	0.002	**0.019**	0.008	39.6	ppb
	Fe	57	16049.671	0.017	**4.310**	0.975	22.6	ppb
>	Ge	72	59093.153	59093.153				ppb
>	Lu	175	92339.856	92339.856				ppb
	Pb	208	2221.630	0.010	**0.025**	0.001	5.3	ppb

Quantitative Analysis - Summary

Sample ID: G161-2262-3P dup x25 PDS

Autosampler Position: 25
Sample Date/Time Monday, December 12. 2005 12 39:59
Sample File: C:\elandata\Sample\121205a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\121205\G161-2262-3P dup x25 PDS.031

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	4558222.247	46.789	**1171.998**	13.378	1.1	ppb
	Mg	24	852711.556	8.817	**313.850**	3.562	1.1	ppb
	Al	27	98480.717	0.933	**23.901**	0.220	0.9	ppb
	K	39	2082332.224	11.028	**178.303**	2.701	1.5	ppb
	Ca	43	24928.090	0.251	**1906.078**	40.235	2.1	ppb
>	Sc	45	96449.402	96449.402				ppb
	Cr	52	15037.410	0.155	**1.195**	0.019	1.6	ppb
	Fe	57	26093.343	0.187	**46.140**	0.722	1.6	ppb
>	Ge	72	59109.087	59109.087				ppb
>	Lu	175	92446.045	92446.045				ppb
	Pb	208	49370.260	0.520	**1.237**	0.014	1.1	ppb

Quantitative Analysis - Summary

Sample ID: icsA2

Autosampler Position: 9
Sample Date/Time Monday, December 12, 2005 12:43:34
Sample File: C:\elandata\Sample\121205a.sam
Method File c:\elandata\Method\6020 mth
Dataset File C:\elandata\Dataset\121205\icsA2 032

Concentration Results

	Analyte	Mass	Meas Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	19861022.901	201.608	**5050.018**	27.754	0.5	ppb
	Mg	24	13859507.636	141.001	**5019.310**	23.404	0.5	ppb
	Al	27	19344721.445	196.750	**5042.429**	17.848	0.4	ppb
	K	39	32340110.151	318.522	**5150.099**	53.118	1.0	ppb
	Ca	43	65157.974	0.655	**4978.979**	60.963	1.2	ppb
>	Sc	45	98279.760	98279.760				ppb
	Cr	52	5769.903	-0.005	**-0.035**	0.016	45.1	ppb
	Fe	57	1228012.676	19.880	**4897.328**	22.404	0.5	ppb
>	Ge	72	60992.499	60992.499				ppb
>	Lu	175	93618.292	93618.292				ppb
	Pb	208	1140.595	-0.001	**-0.003**	0.000	10.1	ppb

Quantitative Analysis - Summary

Sample ID: icsB2

Autosampler Position: 10
Sample Date/Time: Monday, December 12, 2005 12:47:08
Sample File C:\elandata\Sample\121205a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File C:\elandata\Dataset\121205\icsB2.033

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	19937220.748	202.409	**5070.078**	58.705	1.2	ppb
	Mg	24	13967515.594	142.111	**5058.840**	58.107	1.1	ppb
	Al	27	19467412.532	198.010	**5074.732**	45.856	0.9	ppb
	K	39	32336240.100	318.504	**5149.813**	81.190	1.6	ppb
	Ca	43	65655.284	0.661	**5017.375**	34.179	0.7	ppb
>	Sc	45	98279.098	98279.098				ppb
	Cr	52	28508.624	0.372	**2.867**	0.028	1.0	ppb
	Fe	57	1224698.700	20.005	**4927.958**	42.563	0.9	ppb
>	Ge	72	60454.081	60454.081				ppb
>	Lu	175	94341.546	94341.546				ppb
	Pb	208	119212.219	1.250	**2.970**	0.010	0.3	ppb

Quantitative Analysis - Summary

Sample ID: ccv3

Autosampler Position: 3
Sample Date/Time: Monday, December 12, 2005 12:50:42
Sample File: C:\elandata\Sample\121205a.sam
Method File: c:\elandata\Method\6020.mth
Dataset File: C:\elandata\Dataset\121205\ccv3.034

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	10019.852	-0.372	**-9.311**	0.084	0.9	ppb
	Mg	24	1444.098	-0.010	**-0.365**	0.094	25.8	ppb
	Al	27	4439.901	-0.043	**-1.091**	0.190	17.4	ppb
	K	39	1025720.245	0.054	**0.877**	1.356	154.6	ppb
	Ca	43	555.435	-0.002	**-13.802**	3.984	28.9	ppb
>	Sc	45	96607.801	96607.801				ppb
	Cr	52	44025.355	0.649	**4.995**	0.058	1.2	ppb
	Fe	57	14862.901	-0.002	**-0.411**	0.335	81.5	ppb
>	Ge	72	58867.982	58867.982				ppb
>	Lu	175	90453.593	90453.593				ppb
	Pb	208	192882.106	2.119	**5.035**	0.059	1.2	ppb

Quantitative Analysis - Summary

Sample ID: cvs3

Autosampler Position: 5
Sample Date/Time: Monday, December 12, 2005 12:54:18
Sample File: C \elandata\Sample\121205a sam
Method File c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\121205\cvs3 035

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	1979604.382	19.825	**496.597**	1 783	0.4	ppb
	Mg	24	1387553.352	14.203	**505.609**	2.195	0 4	ppb
	Al	27	1941599.536	19 824	**508.056**	7 608	1 5	ppb
	K	39	4060563 070	31.080	**502.532**	6.045	1 2	ppb
	Ca	43	6859.825	0 063	**476.904**	5 206	1.1	ppb
>	Sc	45	97516.622	97516 622				ppb
	Cr	52	5782.214	-0.002	**-0.015**	0.007	43 4	ppb
	Fe	57	135600.761	2.026	**499.077**	3.798	0.8	ppb
>	Ge	72	59474.408	59474.408				ppb
>	Lu	175	92354 006	92354.006				ppb
	Pb	208	611.488	-0.007	**-0.017**	0.001	6.6	ppb

Quantitative Analysis - Summary

Sample ID: ccb3

Autosampler Position: 1
Sample Date/Time: Monday, December 12, 2005 12 57:53
Sample File: C:\elandata\Sample\121205a sam
Method File: c:\elandata\Method\6020 mth
Dataset File: C:\elandata\Dataset\121205\ccb3.036

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Na	23	45061.756	-0.001	**-0.013**	0.106	822.9	ppb
	Mg	24	2333.735	-0.001	**-0.022**	0.026	119.3	ppb
	Al	27	7966.449	-0.005	**-0.117**	0.203	174.0	ppb
	K	39	1049270.291	0.495	**8.007**	1.868	23.3	ppb
	Ca	43	764.990	0.000	**3.749**	0.521	13.9	ppb
>	Sc	45	94888.147	94888.147				ppb
	Cr	52	5814.594	0.002	**0.018**	0.003	17.7	ppb
	Fe	57	15207.289	0.012	**2.845**	0.903	31.7	ppb
>	Ge	72	57237.233	57237.233				ppb
>	Lu	175	89112.046	89112.046				ppb
	Pb	208	1205.519	-0.000	**-0.000**	0.000	157.4	ppb

Metals Prep, Standard, Run Logs

Paradigm Analytical Labs

Inorganics Calibration Standards Log

Analyst	Date Made	Analysis	Standard Type	Batch ID	Source	Acid Lot #	Date Expires
PSW	12-01-05	6010TAL	CB	OES120105-1	Barnstead	45105	12-8-05
			S1		1024-389		
			S2		1024-390, 1024-391, S-624, 627, 628		
			S3		1024-390		
			S4		1024-391		
			S5		S-624, 627, 628		
			QCCHK		S-654, 655, 656		
			ICSA		S-657, 658, 622, 623		
			ICSB		1024-392		
			AppICHK		1024-393		
PSW	12-6-05	6010TAL	CB	OES120605-1	Barnstead	45105	12-13-05
			S1		1024-389		
			S2		1024-390, 1024-391, S-624, 627, 628		
			S3		1024-390		
			S4		1024-391		
			S5		S-624, 627, 628		
			QCCHK		S-654, 655, 656		
			ICSA		S-657, 658, 622, 623		
			ICSB		1024-392		
			AppICHK		1024-393		
PSW	12-9-05	6010TAL	CB	OES120905-1	Barnstead	45105	12-16-05
			S1		1024-389		
			S2		1024-390, 1024-391, S-624, 627, 628		
			S3		1024-390		
			S4		1024-391		
			S5		S-624, 627, 628		
			QCCHK		S-654, 655, 656		
			ICSA		S-657, 658, 622, 623		
			ICSB		1024-392		
			AppICHK		1024-393		
RML	12-7-05	6010TAL	CB	MS120705-1	Barnstead	45060	12-14-05
			S1		1207-401		
			S2				
			S3		1207-402		
			S4				
			S5				
			QCCHK		S-616		
			ICSA		1207-403		
			ICSB		1207-401		

IN41 061504 1

PARADIGM ANALYTICAL LABORATORIES, INC.

Prep Report for Batch 4155 (METALS/3030C/WATER) on 2005-12-09 by psw

Sample ID (GCCODE)	EXT	InitVol	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time
G128-1651-1I (188382)		50			50		45251		95.1	16 05
G128-1651-3I (188383)		50			50		45251		95.1	16 05
G128-1651-4I (188384)		50			50		45251		95.1	16 05
G128-1651-5I (188379)		50			50		45251		95.1	16 05
G128-1651-5J (188380)	ms	50	1128-398	1	50		45251		95.1	16.05
G128-1651-5K (188381)	msd	50	1128-398	1	50		45251		95.1	16 05
G161-2262-1O (188385)		50			50		45251		95.1	16.05
G161-2262-2M (188386)		50			50		45251		95.1	16:05
G161-2262-3O (188387)		50			50		45251		95.1	16 05
G161-2262-3P (188388)	dup	50			50		45251		95.1	16:05
lcd4155	lcd	50	1128-398	1	50		45251		95.1	16 05
lcs4155	lcs	50	1128-398	1	50		45251		95.1	16 05
pb4155	pb	50			50		45251		95.1	16:05

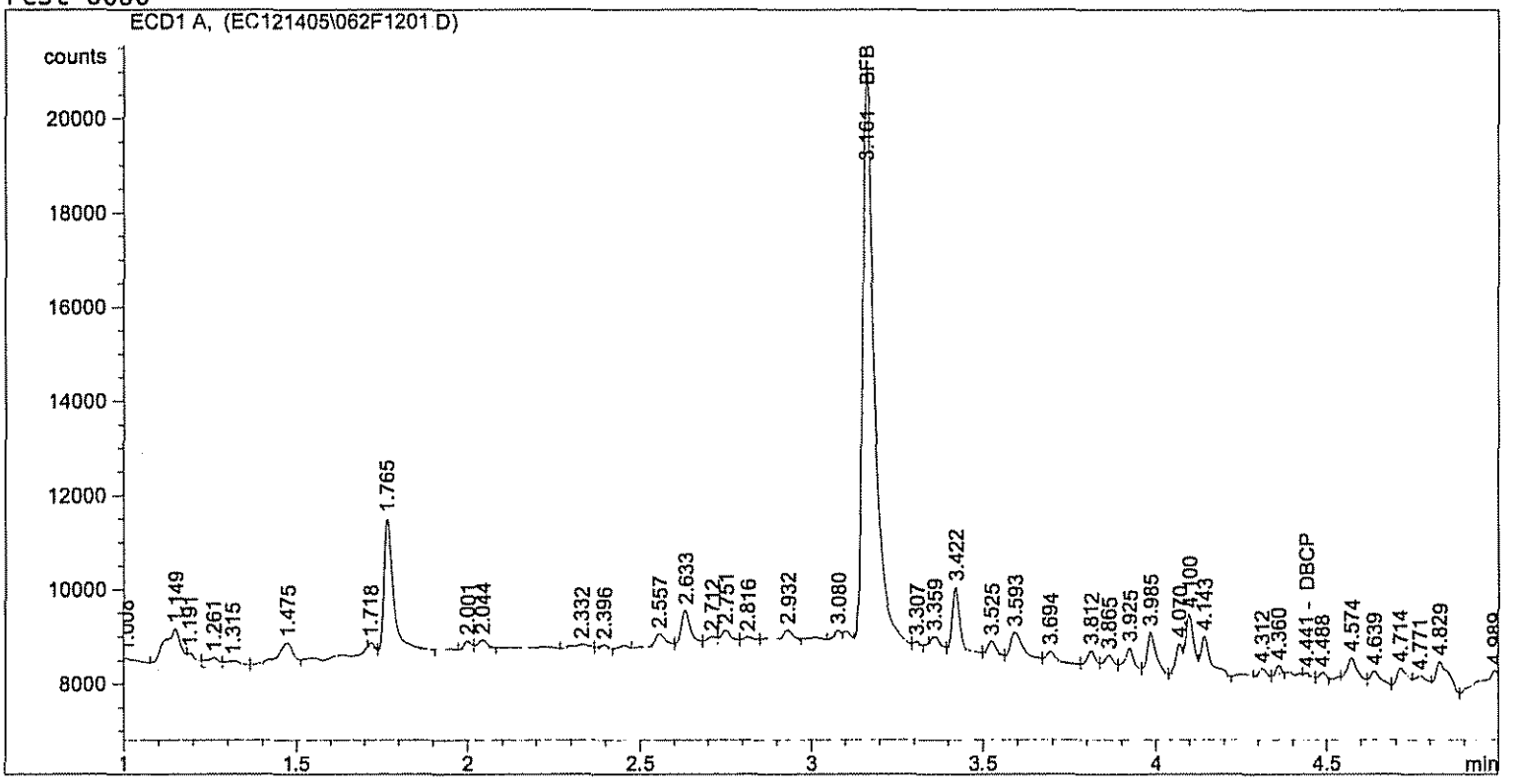
N.C. CERTIFICATION #481

8011 Sample Raw Data

ıta File C:\HPCHEM\1\DATA\EC121405\062F1201.D Sample Name: g161-2262-1p x1

Injection Date	: 12/14/05 11:17:56 AM	Seq. Line :	12
Sample Name	: g161-2262-1p x1	Vial :	62
Acq. Operator	: DCS	Inj :	1
		Inj Volume :	2 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\121405.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\EC121405\EDB.M
Last changed : 12/14/05 02:17:28 PM by DCS
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, December 14, 2005 02:14:26 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.850		-	-	-		EDB
3.161	BV	2.84981e4	3.50419e-3	99.86293		BFB
3.223		-	-	-		1,2,3-TCP
4.441	VP	92.37399	0.00000	0.00000		DBCP

Totals : 99.86293

Results obtained with enhanced integrator!
3 Warnings or Errors :

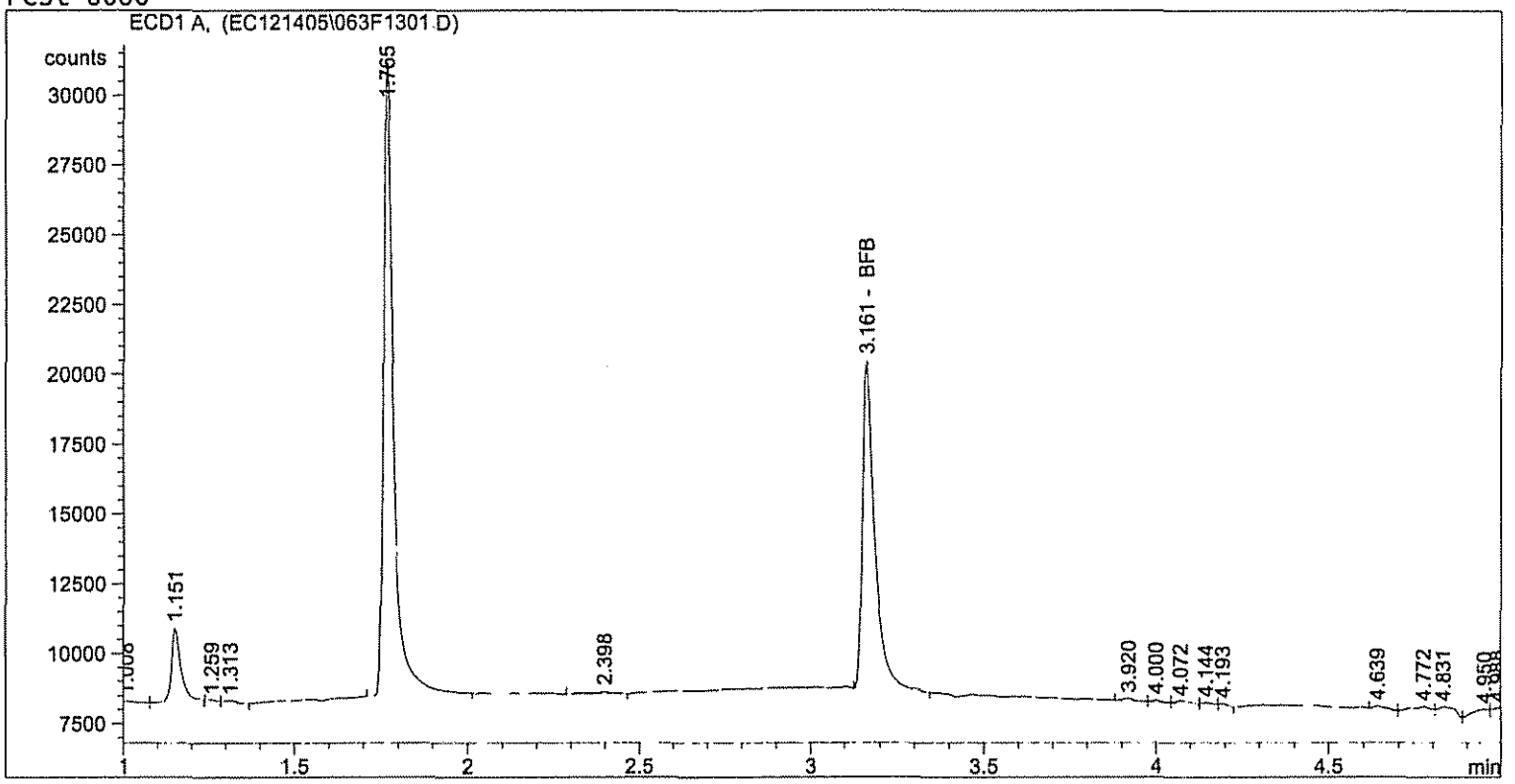
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Negative results set to zero (cal. curve intercept), (DBCP)

*** End of Report ***

ıta File C:\HPCHEM\1\DATA\EC121405\063F1301.D Sample Name: g161-2262-2n x1

Injection Date	: 12/14/05 11:31:47 AM	Seq. Line :	13
Sample Name	: g161-2262-2n x1	Vial :	63
Acq. Operator	: DCS	Inj :	1
		Inj Volume :	2 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\121405.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\EC121405\EDB.M		
Last changed	: 12/14/05 02:17:28 PM by DCS		

Pest 8080



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, December 14, 2005 02:14:26 PM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.850		-	-	-		EDB
3.161	BBA	2.83275e4	3.50419e-3	99.26511		BFB
3.223		-	-	-		1,2,3-TCP
4.422		-	-	-		DBCP
Totals :				99.26511		

Results obtained with enhanced integrator!
2 Warnings or Errors :

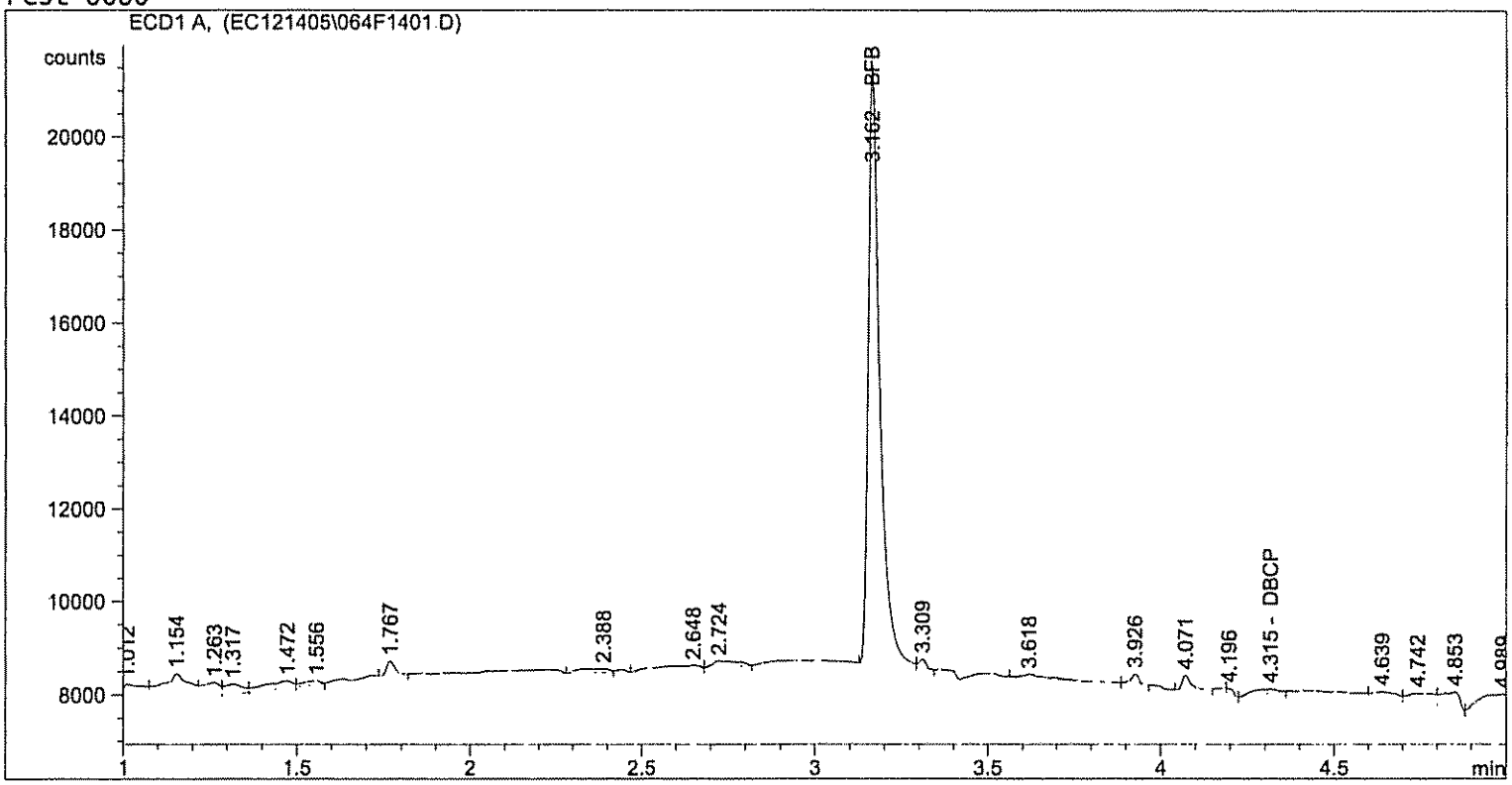
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

Injection Date : 12/14/05 11:45:36 AM
Sample Name : g161-2262-3q x1
Acq. Operator : DCS

Seq. Line : 14
Vial : 64
Inj : 1
Inj Volume : 2 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\121405.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\EC121405\EDB.M
Last changed : 12/14/05 02:17:28 PM by DCS
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, December 14, 2005 02:14:26 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.850		-	-	-		EDB
3.162	BV	2.99659e4	3.50419e-3	105.00620		BFB
3.223		-	-	-		1,2,3-TCP
4.315	VBA	539.95050	0.00000	0.00000		DBCP

Totals : 105.00620

Results obtained with enhanced integrator!
3 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Negative results set to zero (cal. curve intercept), (DBCP)

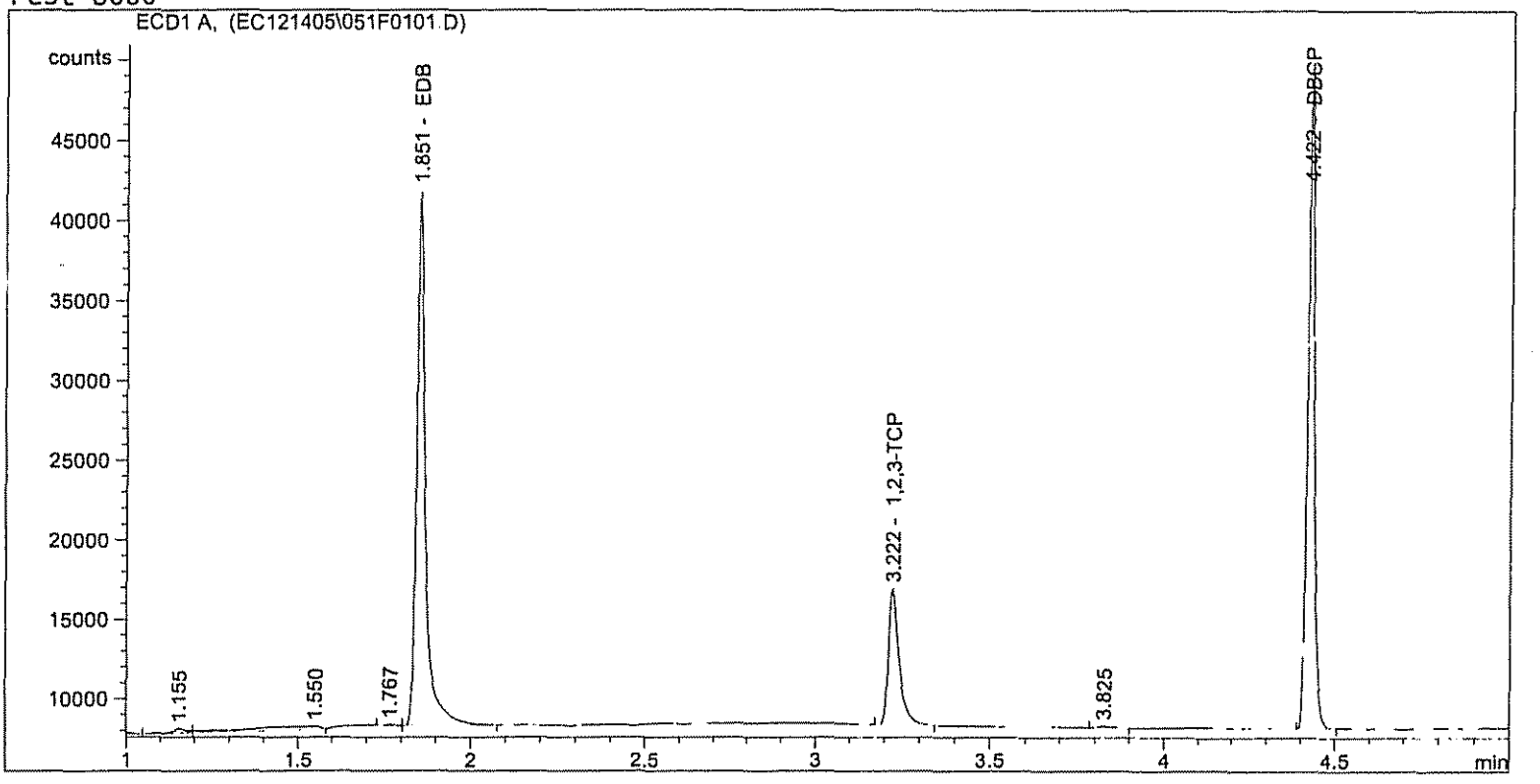
*** End of Report ***

8011 Calibration Raw Data

a File C:\HPCHEM\1\DATA\EC121405\051F0101.D Sample Name: EDB4

Injection Date	: 12/14/05 08:46:02 AM	Seq. Line :	1
Sample Name	: EDB4	Vial :	51
Acq. Operator	: DCS	Inj :	1
		Inj Volume):	2 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\121405.S
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\EC121405\EDB.M
Last changed : 12/14/05 02:17:28 PM by DCS
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, December 14, 2005 02:14:26 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.851	VB	5.97342e4	6.50396e-5	3.88509		EDB
3.162		-	-	-		BFB
3.222	BBA	1.83682e4	2.10702e-4	3.87022		1,2,3-TCP
4.422	PBA	5.64858e4	6.89702e-5	3.89583		DBCP

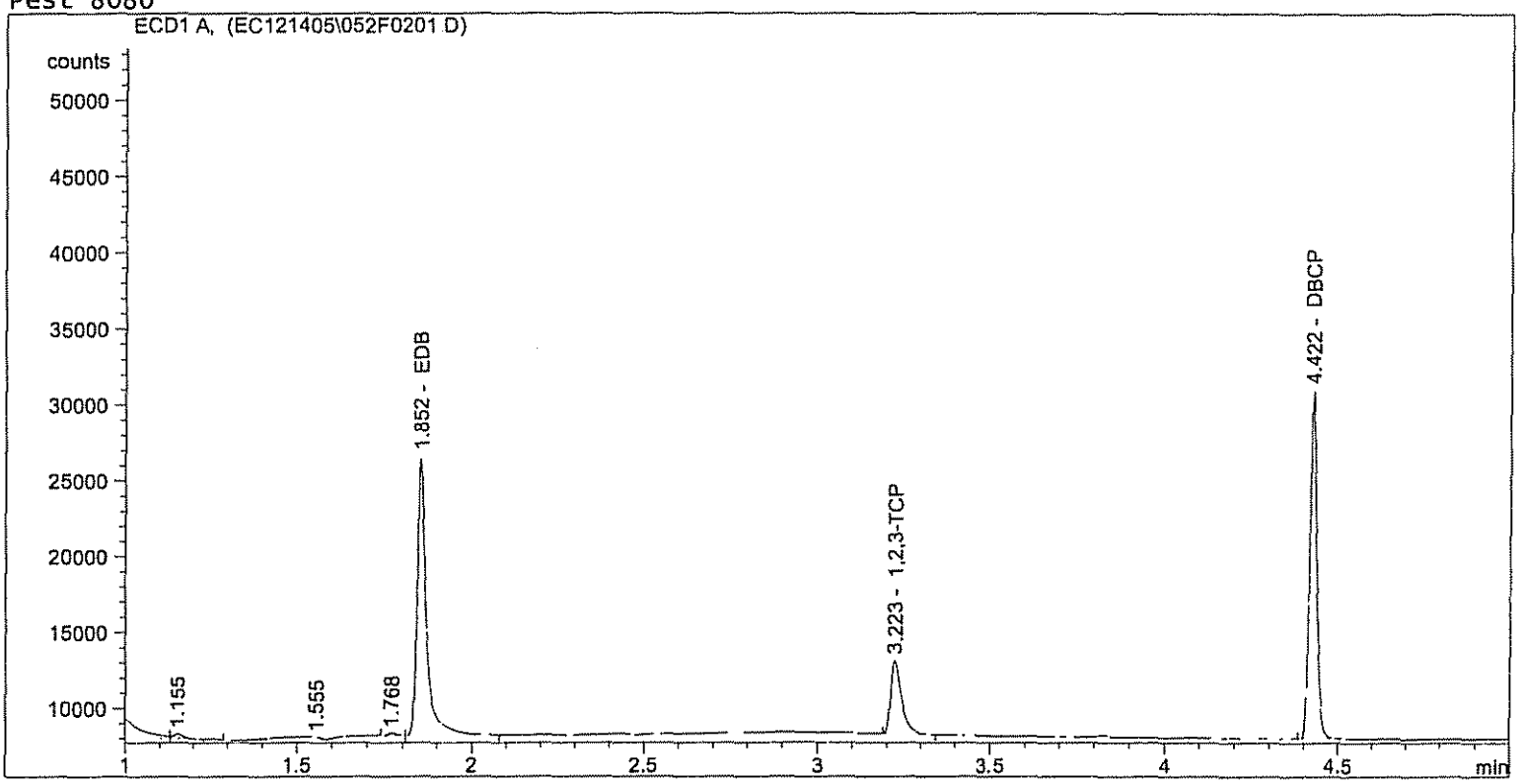
Totals : 11.65114

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  : 12/14/05 08:59:45 AM          Seq. Line :   2
Sample Name     : EDB2                               Vial :  52
Acq. Operator   : DCS                                 Inj :   1
                                               Inj Volume : 2 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\121405.S
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\EC121405\EDB.M
Last changed    : 12/14/05 02:17:28 PM by DCS
Pest 8080
```




```
==========================================================================
                        External Standard Report
==========================================================================

Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, December 14, 2005 02:14:26 PM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

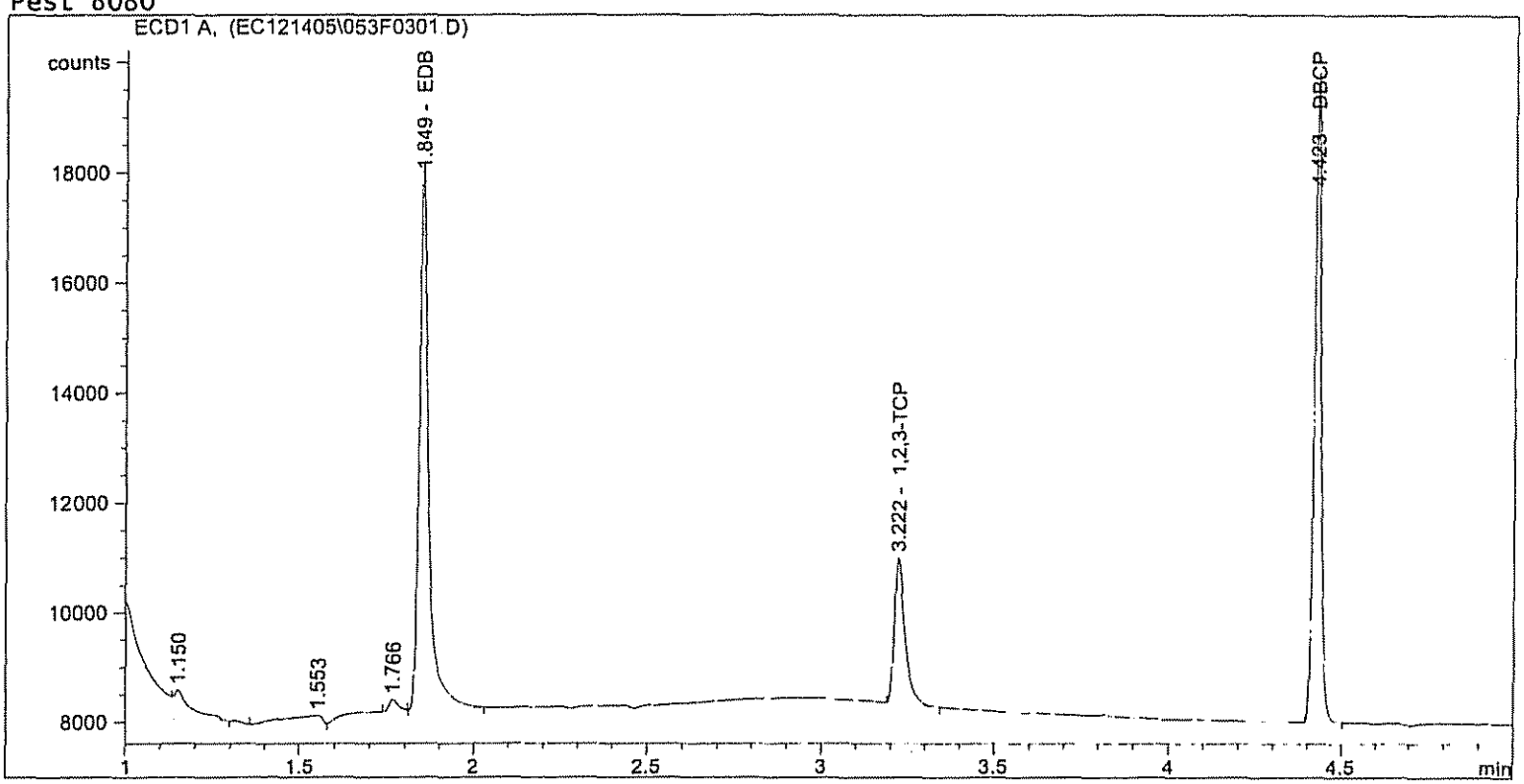
RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.852	VB	3.42417e4	6.31359e-5	2.16188		EDB
3.162		-	-	-		BFB
3.223	BBA	1.06564e4	2.05022e-4	2.18480		1,2,3-TCP
4.422	BBA	3.22077e4	6.72864e-5	2.16714		DBCP
Totals :				6.51382		

```
 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  : 12/14/05 09:13:29 AM          Seq. Line :   3
Sample Name     : EDB1                               Vial :  53
Acq. Operator   : DCS                                 Inj :   1
                                               Inj Volume : 2 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\121405.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\EC121405\EDB.M
Last changed    : 12/14/05 02:17:28 PM by DCS
Pest 8080
```



External Standard Report

```
Sorted By              :      Signal
Calib. Data Modified   :      Wednesday, December 14, 2005 02:14:26 PM
Multiplier             :      1.0000
Dilution               :      1.0000

Signal 1: ECD1 A,
```

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.849	VB	1.89621e4	5.95415e-5	1.12903		EDB
3.162		-	-	-		BFB
3.222	BBA	5894.41357	1.94092e-4	1.14406		1,2,3-TCP
4.423	BB	1.69324e4	6.37522e-5	1.07948		DBCP

Totals : 3.35257

Results obtained with enhanced integrator!
2 Warnings or Errors :

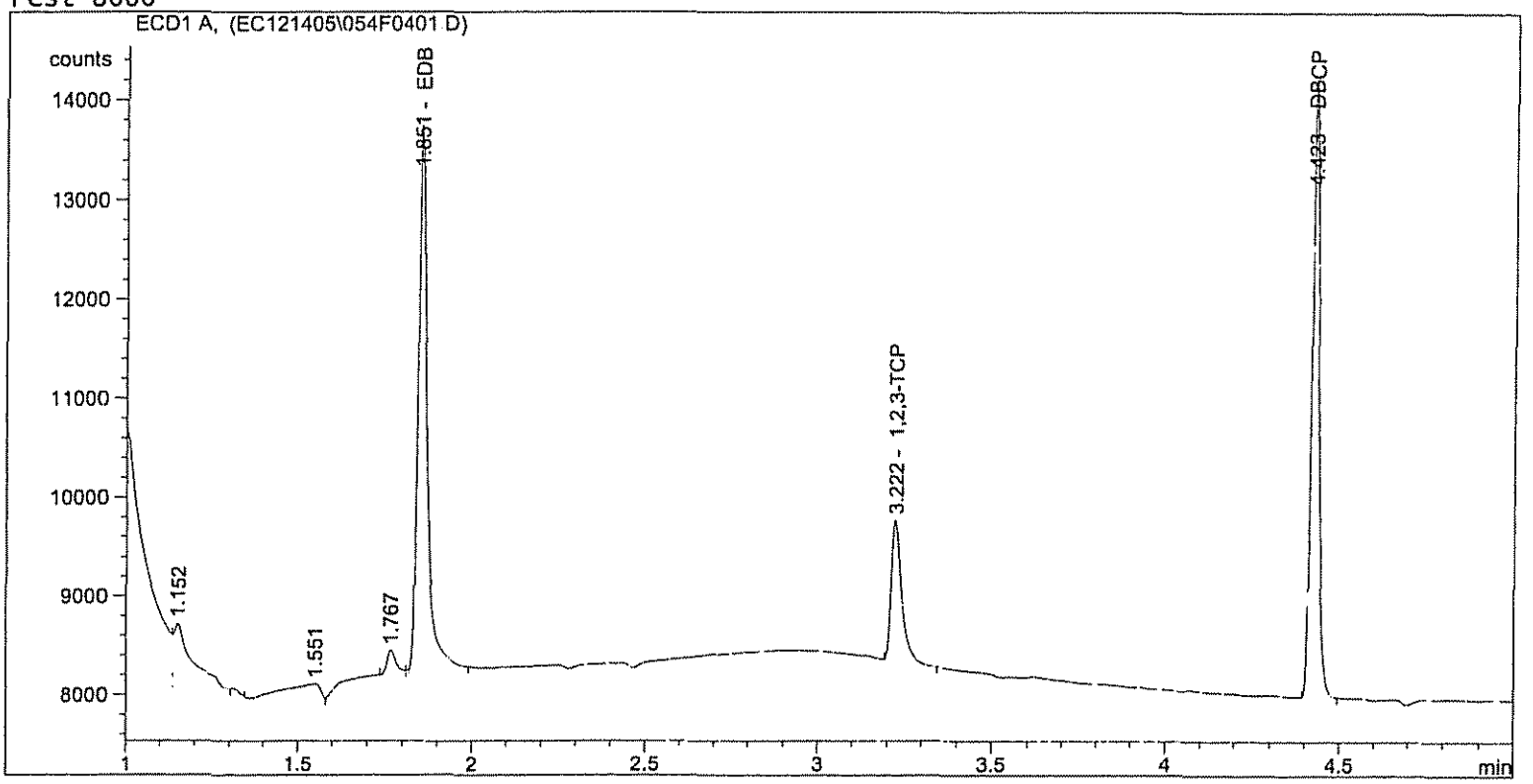
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

ta File C:\HPCHEM\1\DATA\EC121405\054F0401.D Sample Name: EDB0.5

Injection Date	: 12/14/05 09:27:16 AM	Seq. Line :	4
Sample Name	: EDB0.5	Vial :	54
Acq. Operator	: DCS	Inj :	1
		Inj Volume :	2 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\121405.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\EC121405\EDB.M
Last changed : 12/14/05 02:17:28 PM by DCS
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, December 14, 2005 02:14:26 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.851	VB	1.01703e4	5.25783e-5	5.34736e-1		EDB
3.162		-	-	-		BFB
3.222	BBA	3108.34717	1.72169e-4	5.35161e-1		1,2,3-TCP
4.423	BB	9101.64551	5.73409e-5	5.21897e-1		DBCP

Totals : 1.59179

Results obtained with enhanced integrator!
2 Warnings or Errors :

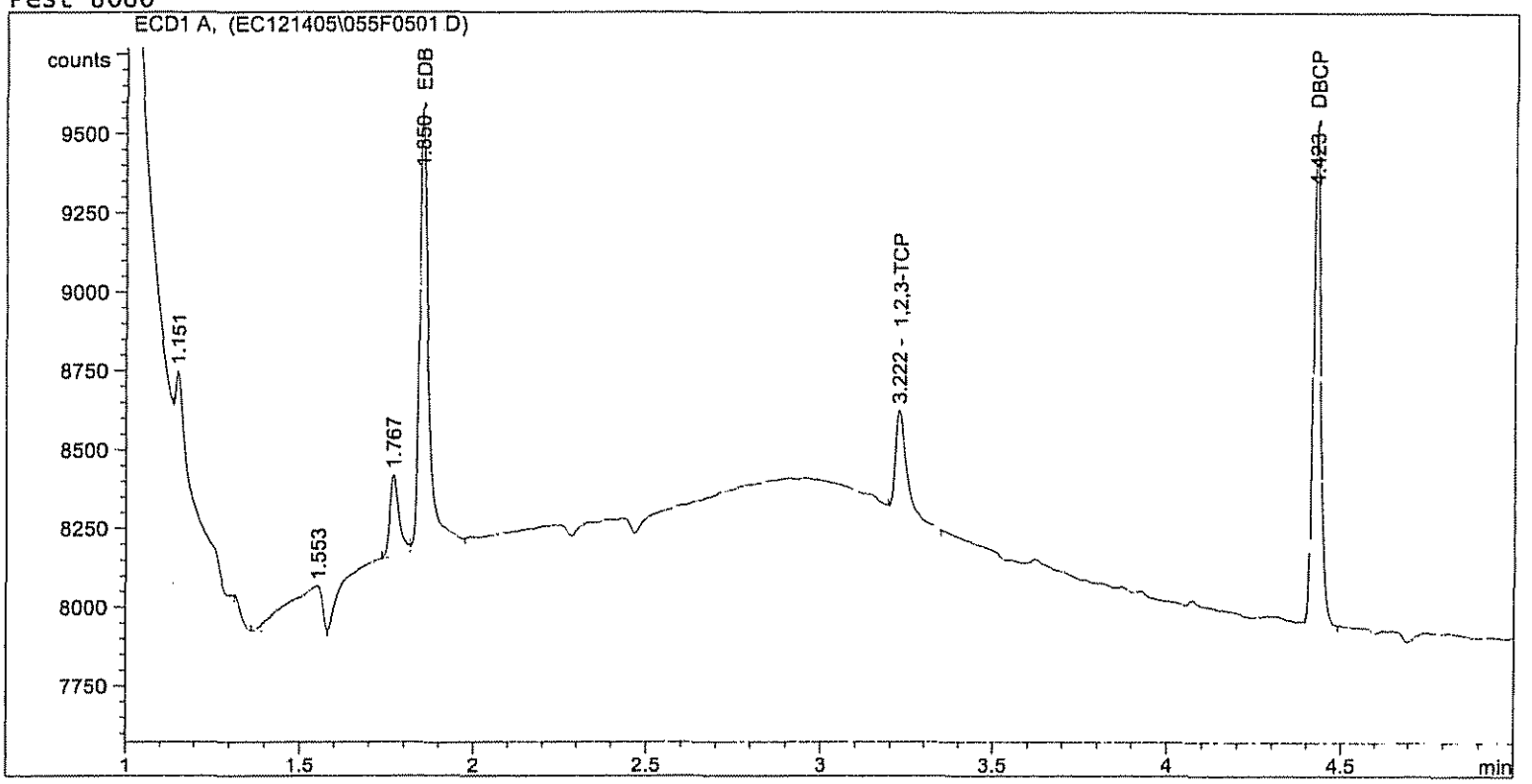
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

a File C:\HPCHEM\1\DATA\EC121405\055F0501.D Sample Name: EDB0.1

Injection Date	: 12/14/05 09:41:01 AM	Seq. Line :	5
Sample Name	: EDB0.1	Vial :	55
Acq. Operator	: DCS	Inj :	1
		Inj Volume :	2 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\121405.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\EC121405\EDB.M
Last changed : 12/14/05 02:17:28 PM by DCS
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, December 14, 2005 02:14:26 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.850	VB	2573.77808	8.25198e-6	2.12388e-2		EDB
3.162		-	-	-		BFB
3.222	PBA	693.32202	1.06080e-5	7.35474e-3		1,2,3-TCP
4.423	BB	2342.19727	1.73329e-5	4.05971e-2		DBCP
Totals :				6.91906e-2		

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

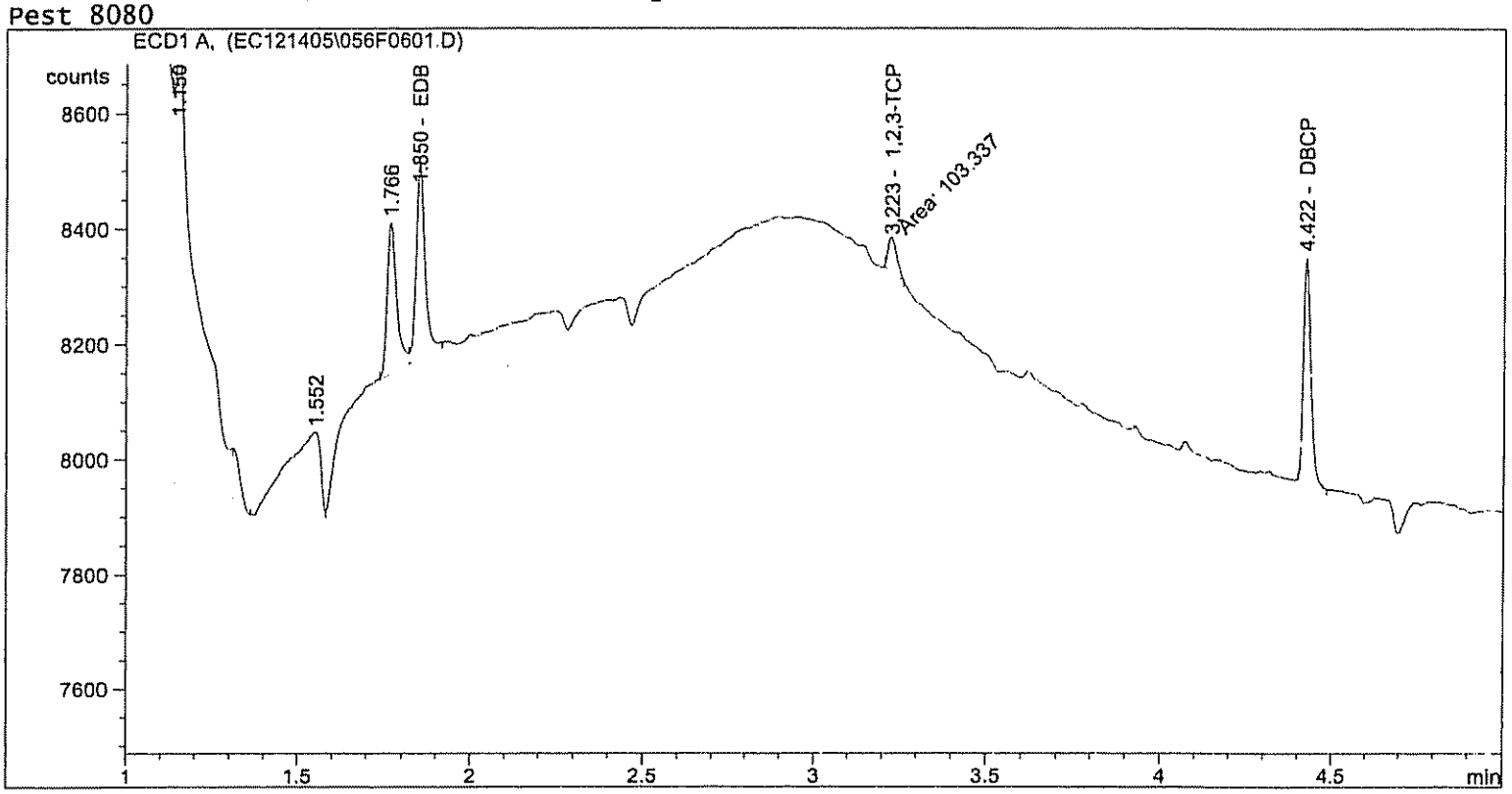
*** End of Report ***

ta File C:\HPCHEM\1\DATA\EC121405\056F0601.D Sample Name: EDB0.02

Injection Date	: 12/14/05 09:54:46 AM	Seq. Line :	6
Sample Name	: EDB0.02	Vial :	56
Acq. Operator	: DCS	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\EC121405\EDB.M
Last changed : 12/14/05 02:13:28 PM by DCS
(modified after loading)

Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, December 14, 2005 02:13:27 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.850	VB	603.04340	0.00000	0.00000		EDB
3.163		-	-	-		BFB
3.223	MM	103.33675	0.00000	0.00000		1,2,3-TCP
4.422	BP	579.04865	0.00000	0.00000		DBCP

Totals : 0.00000

Results obtained with enhanced integrator!
5 Warnings or Errors :

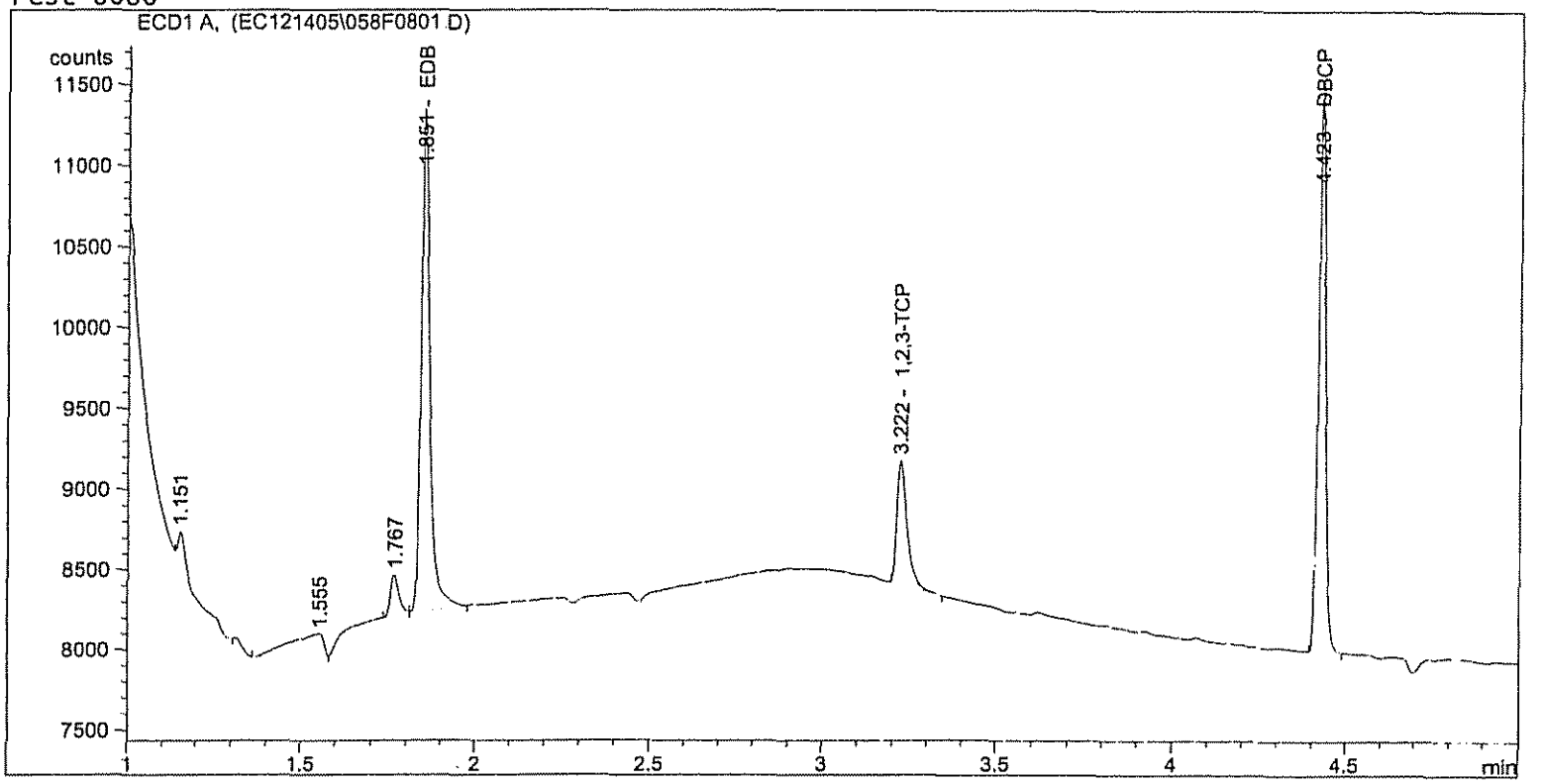
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Negative results set to zero (cal. curve intercept), (EDB)
Warning : Negative results set to zero (cal. curve intercept), (1,2,3-TCP)
Warning : Negative results set to zero (cal. curve intercept), (DBCP)

8011 CVS Raw Data

ta File C:\HPCHEM\1\DATA\EC121405\058F0801.D Sample Name: qchk0.25

Injection Date	: 12/14/05 10:22:29 AM	Seq. Line :	8
Sample Name	: qchk0.25	Vial :	58
Acq. Operator	: DCS	Inj :	1
		Inj Volume :	2 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\121405.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\EC121405\EDB.M
Last changed : 12/14/05 02:17:28 PM by DCS
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, December 14, 2005 02:14:26 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.851	VB	5589.72559	4.02715e-5	2.25106e-1		EDB
3.162		-	-	-		BFB
3.222	BBA	1642.42053	1.30771e-4	2.14781e-1		1,2,3-TCP
4.423	BB	5087.52295	4.64028e-5	2.36075e-1		DBCP

Totals : 6.75963e-1

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

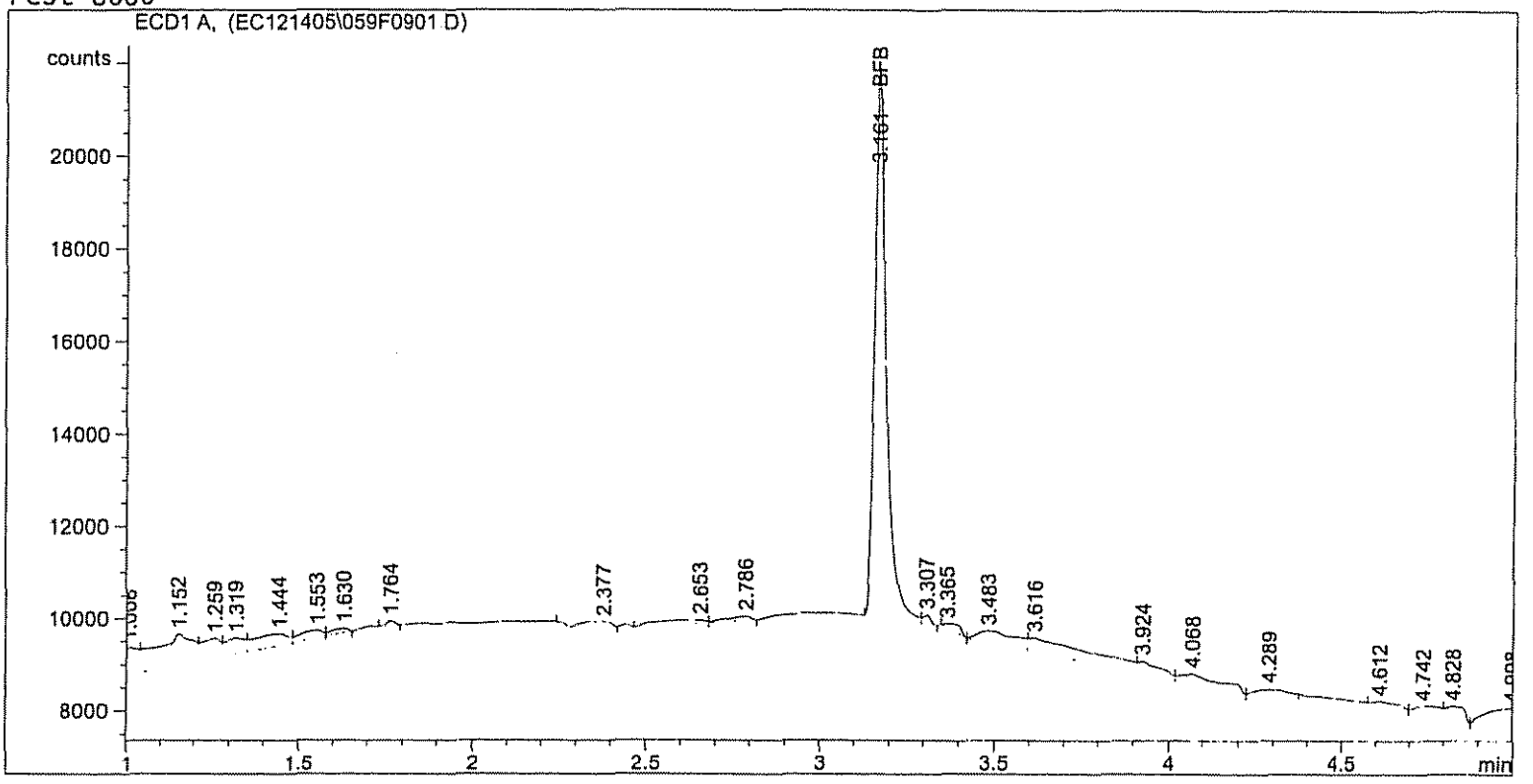
*** End of Report ***

8011 QC, Blanks Raw Data

ta File C:\HPCHEM\1\DATA\EC121405\059F0901.D Sample Name: PB4169 x1

Injection Date	: 12/14/05 10:36:21 AM	Seq. Line :	9
Sample Name	: PB4169 x1	Vial :	59
Acq. Operator	: DCS	Inj :	1
		Inj Volume :	2 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\121405.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\EC121405\EDB.M
Last changed : 12/14/05 02:17:28 PM by DCS
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, December 14, 2005 02:14:26 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.850		-	-	-		EDB
3.161	BV	2.76846e4	3.50419e-3	97.01219		BFB
3.223		-	-	-		1,2,3-TCP
4.422		-	-	-		DBCP

Totals : 97.01219

Results obtained with enhanced integrator!
2 Warnings or Errors :

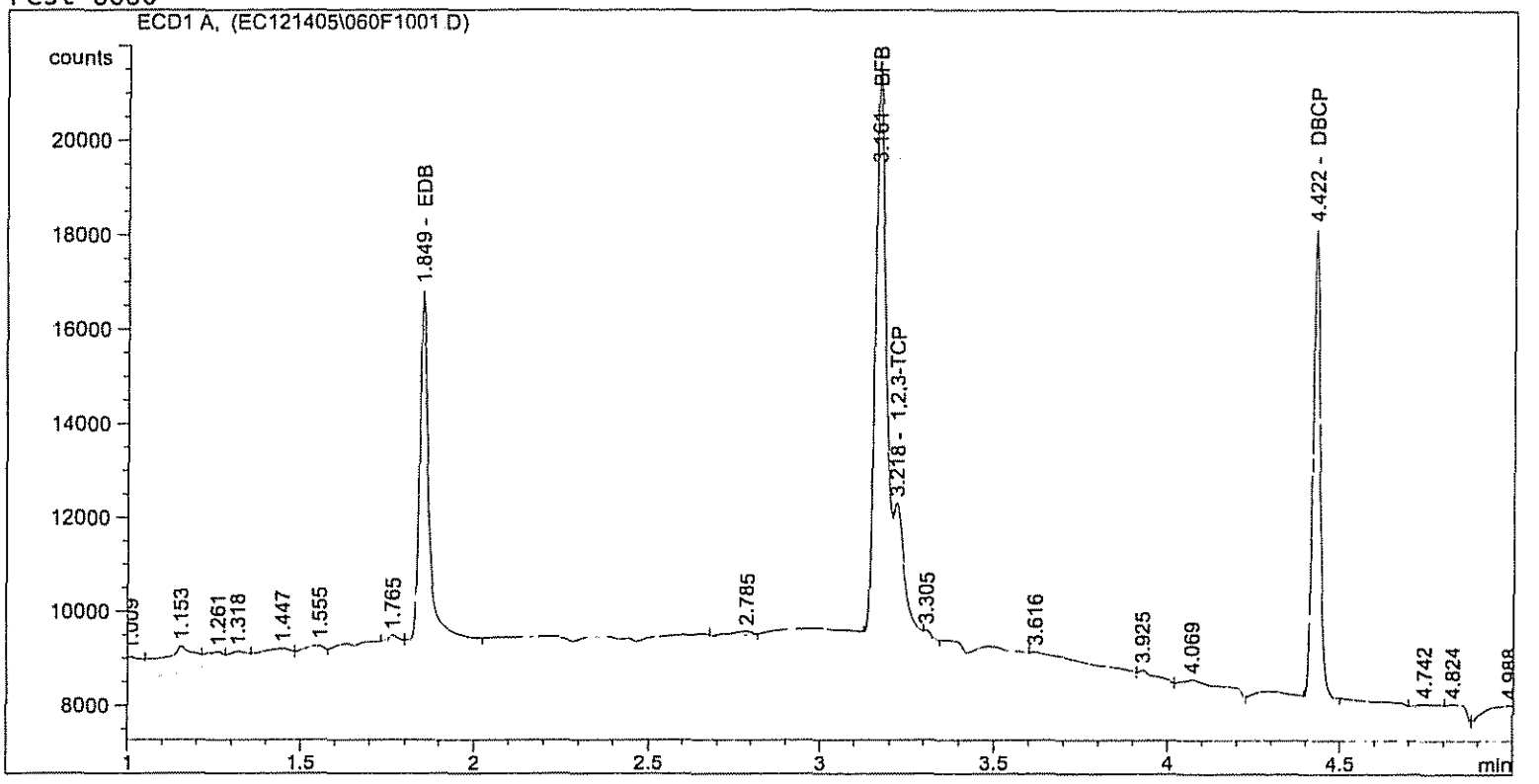
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

:a File C:\HPCHEM\1\DATA\EC121405\060F1001.D Sample Name: LCS4169 x1

Injection Date	: 12/14/05 10:50:09 AM	Seq. Line :	10
Sample Name	: LCS4169 x1	Vial :	60
Acq. Operator	: DCS	Inj :	1
		Inj Volume :	2 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\121405.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\EC121405\EDB.M		
Last changed	: 12/14/05 02:17:28 PM by DCS		

Pest 8080



External Standard Report

Sorted By	:	Signal
Calib. Data Modified	:	Wednesday, December 14, 2005 02:14:26 PM
Multiplier	:	1.0000
Dilution	:	1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.849	VB	1.37367e4	5.64775e-5	7.75815e-1		EDB
3.161	BV	2.58877e4	3.50419e-3	90.71540		BFB
3.218	VV	6552.36475	1.96548e-4	1.28786		1,2,3-TCP
4.422	BB	1.45095e4	6.25078e-5	9.06958e-1		DBCP

Totals : 93.68603

Results obtained with enhanced integrator!
1 Warnings or Errors :

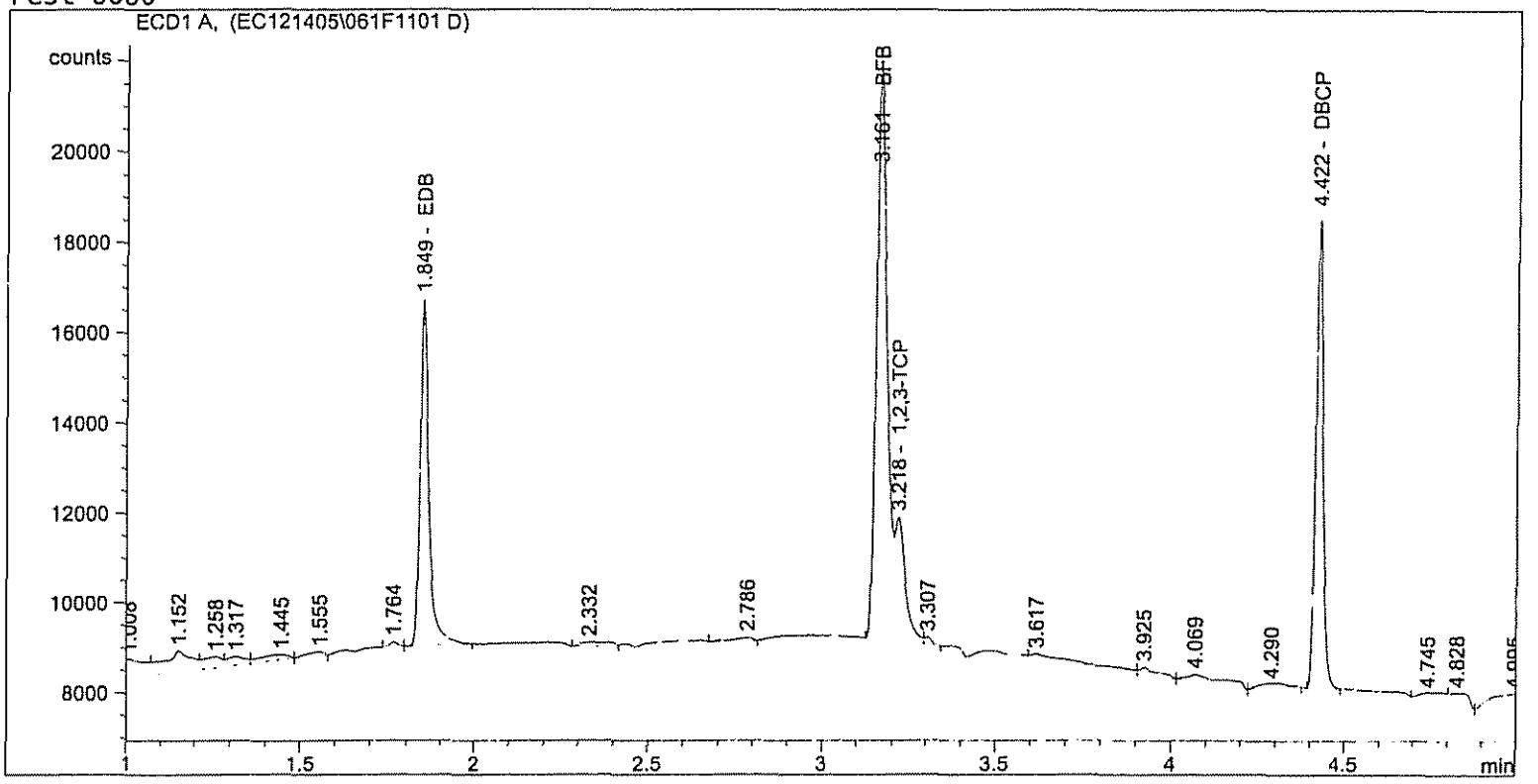
Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

ta File C:\HPCHEM\1\DATA\EC121405\061F1101.D Sample Name: LCSD4169 x1

Injection Date	: 12/14/05 11:04:03 AM	Seq. Line :	11
Sample Name	: LCSD4169 x1	Vial :	61
Acq. Operator	: DCS	Inj :	1
		Inj Volume :	2 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\121405.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\EC121405\EDB.M
Last changed : 12/14/05 02:17:28 PM by DCS
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, December 14, 2005 02:14:26 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.849	VB	1.38020e4	5.65301e-5	7.80229e-1		EDB
3.161	BV	2.64841e4	3.50419e-3	92.80540		BFB
3.218	VV	6269.68213	1.95556e-4	1.22607		1,2,3-TCP
4.422	BBA	1.49487e4	6.27633e-5	9.38230e-1		DBCP

Totals : 95.74993

Results obtained with enhanced integrator!
1 Warnings or Errors :

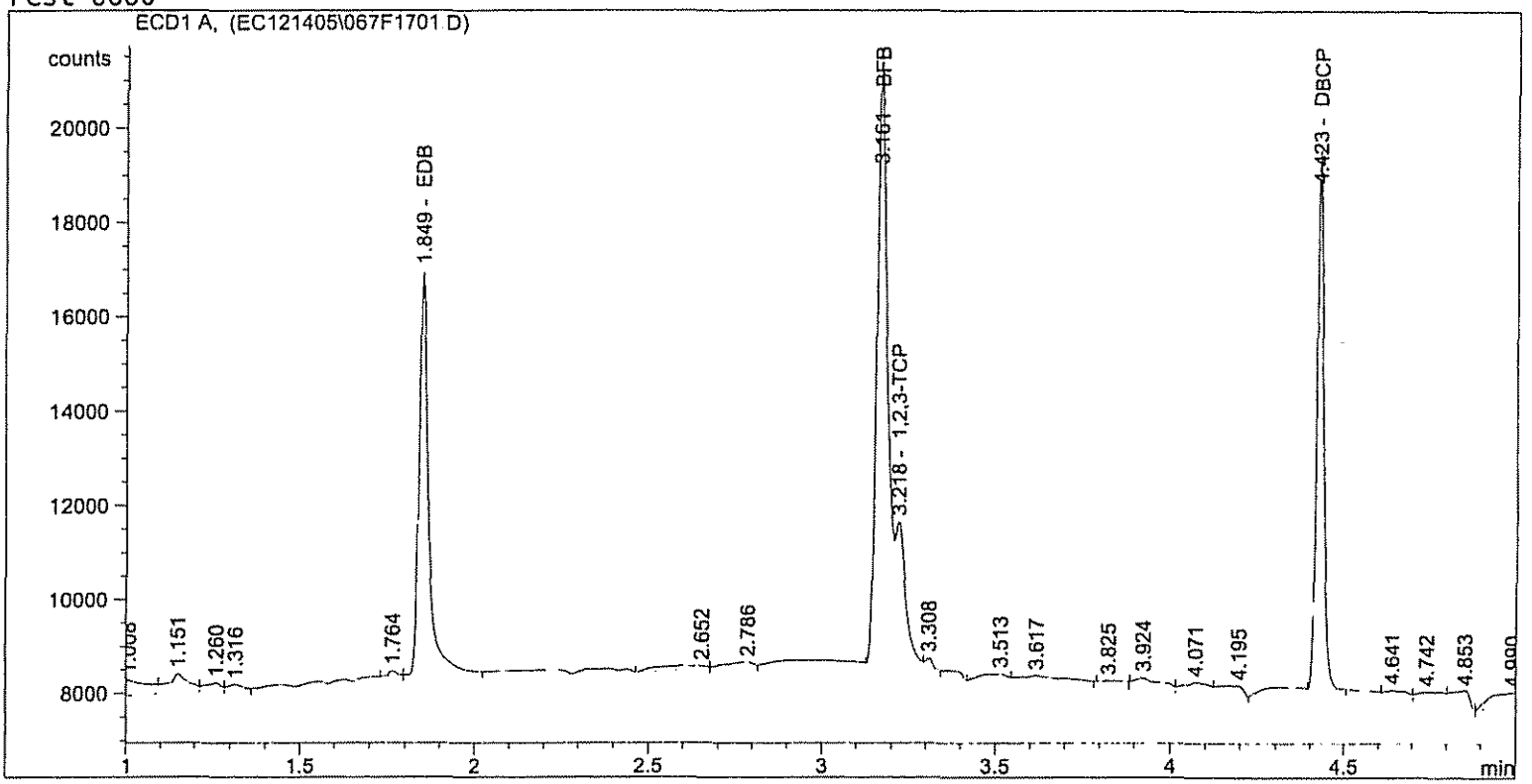
Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

ta File C:\HPCHEM\1\DATA\EC121405\067F1701.D Sample Name: 189175 x1 MS

Injection Date : 12/14/05 12:27:26 PM Seq. Line : 17
Sample Name : 189175 x1 MS Vial : 67
Acq. Operator : DCS 6349-129-2F x1 MS Inj : 1
Inj Volume : 2 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\121405.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\EC121405\EDB.M
Last changed : 12/14/05 02:17:28 PM by DCS
Pest 8080



External Standard Report

Sorted By : Signal
Calib. Data Modified : Wednesday, December 14, 2005 02:14:26 PM
Multiplier : 1.0000
Dilution : 1.0000

Signal 1: ECD1 A,

RetTime [min]	Type	Area counts*s	Amt/Area	Amount [µg/L]	Grp	Name
1.849	VP	1.62682e4	5.82077e-5	9.46936e-1		EDB
3.161	BV	2.73675e4	3.50419e-3	95.90111		BFB
3.218	VV	7116.79492	1.98293e-4	1.41121		1,2,3-TCP
4.423	BBA	1.65932e4	6.35999e-5	1.05533		DBCP

Totals : 99.31458

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

*** End of Report ***

8011 Prep, Standard, Run Logs

Prep Report for Batch 4169 (8011/EDB/WATER) on 2005-12-13 by dcs

Sample ID (GCCODE)	EXT	InitWt	InitVol	QCSpikeID	QCSpikeVol	FinalVol	HexaneLot
G161-2262-1P (189170)		36				2	co931
G161-2262-2N (189171)		36				2	co931
G161-2262-3Q (189172)		36				2	co931
G349-129-1E (189173)		36				2	co931
G349-129-2E (189174)		36				2	co931
G349-129-2F (189175)	MS	36		edbmssv03w11c	140	2	co931
G349-129-3E (189176)		36				2	co931
G349-129-4E (189178)		36				2	co931
G349-130-1E (189179)		36				2	co931
LCS4169	LCS	36		edbmssv03w11c	140	2	co931
LCSD4169	LCSD	36		edbmssv03w11c	140	2	co931
PB4169		36				2	co931
PB4169	PB	36				2	co931

Paradigm Analytical

ECD1 Runlog Sheet

Method: _____ Initial Cal. Curve: _____

Matrix: _____ Batch: **ec121405**

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
051F0101.D	EDB4	14-Dec-05, 08:46:02					DCS	
052F0201.D	EDB2	14-Dec-05, 08:59:45					DCS	
053F0301.D	EDB1	14-Dec-05, 09:13:29					DCS	
054F0401.D	EDB0.5	14-Dec-05, 09:27:16					DCS	
055F0501.D	EDB0.1	14-Dec-05, 09:41:01					DCS	
056F0601.D	EDB0.02	14-Dec-05, 09:54:46					DCS	
057F0701.D	BFB	14-Dec-05, 10:08:40					DCS	
058F0801.D	qchk0.25	14-Dec-05, 10:22:29					DCS	
059F0901.D	PB4169 x1	14-Dec-05, 10:36:21					DCS	
060F1001.D	LCS4169 x1	14-Dec-05, 10:50:09					DCS	
061F1101.D	LCSD4169 x1	14-Dec-05, 11:04:03					DCS	
062F1201.D	g161-2262-1p x1	14-Dec-05, 11:17:56					DCS	
063F1301.D	g161-2262-2n x1	14-Dec-05, 11:31:47					DCS	
064F1401.D	g161-2262-3q x1	14-Dec-05, 11:45:36					DCS	
065F1501.D	g349-129-1e x1	14-Dec-05, 11:59:33					DCS	
066F1601.D	g349-129-2e x1	14-Dec-05, 12:13:22					DCS	
067F1701.D	G349-129-2F x1 MS	14-Dec-05, 12:27:26	cid= 189175				DCS	
068F1801.D	g349-129-3e x1	14-Dec-05, 12:41:22					DCS	
069F1901.D	g349-129-4e x1	14-Dec-05, 12:55:19					DCS	
070F2001.D	g349-130-1e x1	14-Dec-05, 13:09:17					DCS	
071F2101.D	qchk0.25	14-Dec-05, 13:23:13					DCS	

Analyst:

Page Number: _____

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

Semi-Volatile Standards Logbook

Paradigm Analytical

Logbook ID: ECD03

Working

Page: 4 - 7

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-R8J	12-26-06	PCB 1242 (SUPELCO)	400ml	20ml	200ug/ml	4000ug/L	Hex	1242 CONCAL STOCK	02-25-06		[illegible]
B	ECD03-R7M	02-25-06	8081 SURR STOCK	4ml	↓	2000ug/ml	400ug/L	↓	↓	↓		↓
C	ECD03-R8K	12-26-06	PCB 1221 (SUPELCO)	400ml	20ml	200ug/ml	4000ug/L	Hex	1221 CONCAL STOCK	02-25-06		[illegible]
D	ECD03-R7M	02-25-06	8081 SURR STOCK	4ml	↓	2000ug/ml	400ug/L	↓	↓	↓		↓
E	ECD03-R8L	12-03-06	PCB 1254 (SUPELCO)	400ml	20ml	200ug/ml	4000ug/L	Hex	1254 CONCAL STOCK	02-25-06		[illegible]
F	ECD03-R7M	02-25-06	8081 SURR STOCK	4ml	↓	2000ug/ml	400ug/L	↓	↓	↓		↓
G	ECD03-R8M	12-03-06	PCB 1232 (SUPELCO)	400ml	20ml	200ug/ml	4000ug/L	Hex	1232 CONCAL STOCK	02-25-06		[illegible]
H	ECD03-R7M	02-25-06	8081 SURR STOCK	4ml	↓	2000ug/ml	400ug/L	↓	↓	↓		↓
I	ECD03-R8N	12-03-06	PCB 1260 (SUPELCO)	400ml	20ml	200ug/ml	4000ug/L	Hex	1016/1260 CONCAL STOCK	02-25-06		[illegible]
J	ECD03-R8P	12-03-06	PCB 1016 (SUPELCO)	400ml	↓	200ug/ml	4000ug/L	↓	↓	↓		↓
K	ECD03-R7M	02-25-06	8081 SURR STOCK	4ml	↓	2000ug/ml	400ug/L	↓	↓	↓	—	↓
L	ECD03-R8R	12/11/06	8041.1 CAL MIX	17.5ml	50ml	700ug/ml	70ug/ml	Hex	EOB curve	12/11/06	[illegible]	DJS
M	ECD03-R8	10/26/06	Diesel fuel #2 comp	1mL	50mL	50,000ug/mL	1000ug/mL	CH_2Cl_2	Diesel STD	10/26/06	10/26/05	DJS
N	EPHSGSUOSUM	10/21/06	EPH surr	12mL	~~4~~ 50mL	400ppm	100ug/mL	CH_2Cl_2	↓	↓	↓	↓
O	ECD03-R7V	8/23/06	8081 Internal Std	20ml	10ml	5000ug/ml	10ug/ml	Hexane		8/23/06	11/1/05	[illegible]
P	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
Q	ECD03-NL	12/12/06	Frac stock	2mL	10mL	50,000ppm	10,000ppm	Hex	EPH Frac	12/12/06	12/12/05	DJS
R	ECD03-R8U	12/25/06	EPH Aliphatic	500ml	20mL	1000ug/mL	40ug/mL	Hex	Aliphatic	12/25/06	12/25/05	DJS
S	↓ ✓	↓	EPH Aromatic	500ml	20mL	1000ug/mL	40ug/mL	Hex	Aromatic	↓	↓	↓
T	ECD05W17Q	12/12/06	Frac	500ml	↓	10,000	400	↓	↓	↓	↓	↓
U			EPH Surrogate	2mL	↓	400	40	↓	↓	↓	↓	↓
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.

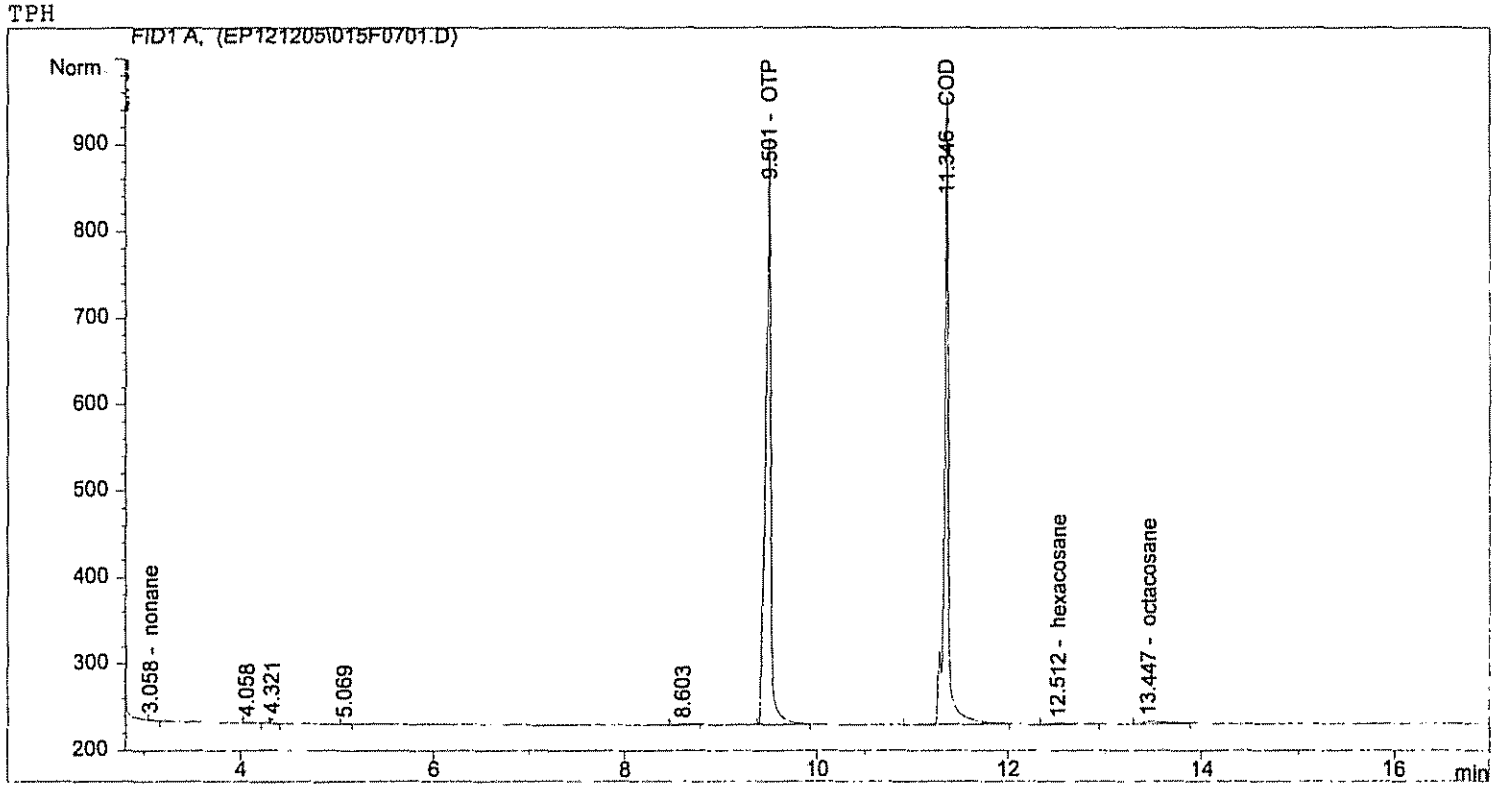
N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

EPH Sample Raw Data

Data File C:\HPCHEM\1\DATA\EP121205\015F0701.D Sample Name: 187964 x1 T

Injection Date : 12/12/2005 4:26:30 PM Seq. Line : 7
Sample Name : 187964 x1 T Location : Vial 15
Acq. Operator : DCS 161-2262-1K Inj : 1
Acq. Instrument : GC6 Inj Volume : 10 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\121205.S
Acq. Method : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed : 11/1/2005 9:57:56 AM by DCS
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed : 12/9/2005 2:19:42 PM by DCS
TPH



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 12/9/2005 2:19:28 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	3.058	BP	0.0201	2.10789	2.692e-6	nonane
2	3.872		0.0000	0.00000	0.00000	decane
3	5.410		0.0000	0.00000	0.00000	dodecane
4	6.610		0.0000	0.00000	0.00000	2-FB(frac2)
5	6.787		0.0000	0.00000	0.00000	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	7.966		0.0000	0.00000	0.00000	hexadecane
8	9.080		0.0000	0.00000	0.00000	octadecane
9	9.501	PB	0.0496	2527.98877	0.00323	OTP
10	9.543		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	11.057		0.0000	0.00000	0.00000	docosane

Data File C:\HPCHEM\1\DATA\EP121205\015F0701.D Sample Name: 187964 x1 T

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.346	PB	0.0451	2105.88989	0.00269	COD
14	11.779		0.0000	0.00000	0.00000	tetracosane
15	12.512	PP	0.2009	20.52709	2.622e-5	hexacosane
16	13.447	PB	0.2047	49.71583	6.350e-5	octacosane
17	13.914		0.0000	0.00000	0.00000	triacontane
18	16.100		0.0000	0.00000	0.00000	hexatriacontane

Totals : 4706.22948 6.011e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.061	BP	0.0441	3.34746	4.276e-6	?
2	0.536	PV	0.0227	67.91837	8.675e-5	?
3	1.752	VV S	0.6918	7.73241e7	98.76264	?
4	1.834	VV S	0.0176	8.27148e5	1.05648	?
5	1.904	VV S	0.0301	9653.51367	0.01233	?
6	1.933	VV S	0.0248	5987.74658	0.00765	?
7	1.971	VV S	0.0266	8267.86523	0.01056	?
8	1.997	VV S	0.0313	7490.84863	0.00957	?
9	2.041	VV S	0.0307	7844.20215	0.01002	?
10	2.075	VV S	0.0300	6649.89404	0.00849	?
11	2.112	VV S	0.0373	7786.77979	0.00995	?
12	2.148	VV S	0.0246	5965.17773	0.00762	?
13	2.189	VV S	0.0403	8288.20801	0.01059	?
14	2.234	VV S	0.0371	7835.74902	0.01001	?
15	2.278	VV S	0.0323	6980.03320	0.00892	?
16	2.319	VV S	0.0313	5831.62939	0.00745	?
17	2.352	VV S	0.0378	6101.68799	0.00779	?
18	2.403	VV S	0.0358	7295.08301	0.00932	?
19	2.444	VV S	0.0767	1.21941e4	0.01558	?
20	2.535	VV S	0.0321	4883.35937	0.00624	?
21	2.575	VV S	0.0302	4807.77979	0.00614	?
22	2.601	VV S	0.0566	7048.74658	0.00900	?
23	2.679	VV S	0.0395	2830.44360	0.00362	?
24	2.726	VV S	0.0355	1805.84180	0.00231	?
25	2.762	VBAS	0.0262	1264.59534	0.00162	?
26	4.058	VB	0.0431	3.56873	4.558e-6	?
27	4.321	PB	0.0254	9.17888	1.172e-5	?
28	5.069	BB	0.0370	2.51306	3.210e-6	?
29	8.603	PV	0.1040	9.12420	1.165e-5	?

Uncalib. totals : 7.82882e7 99.9940

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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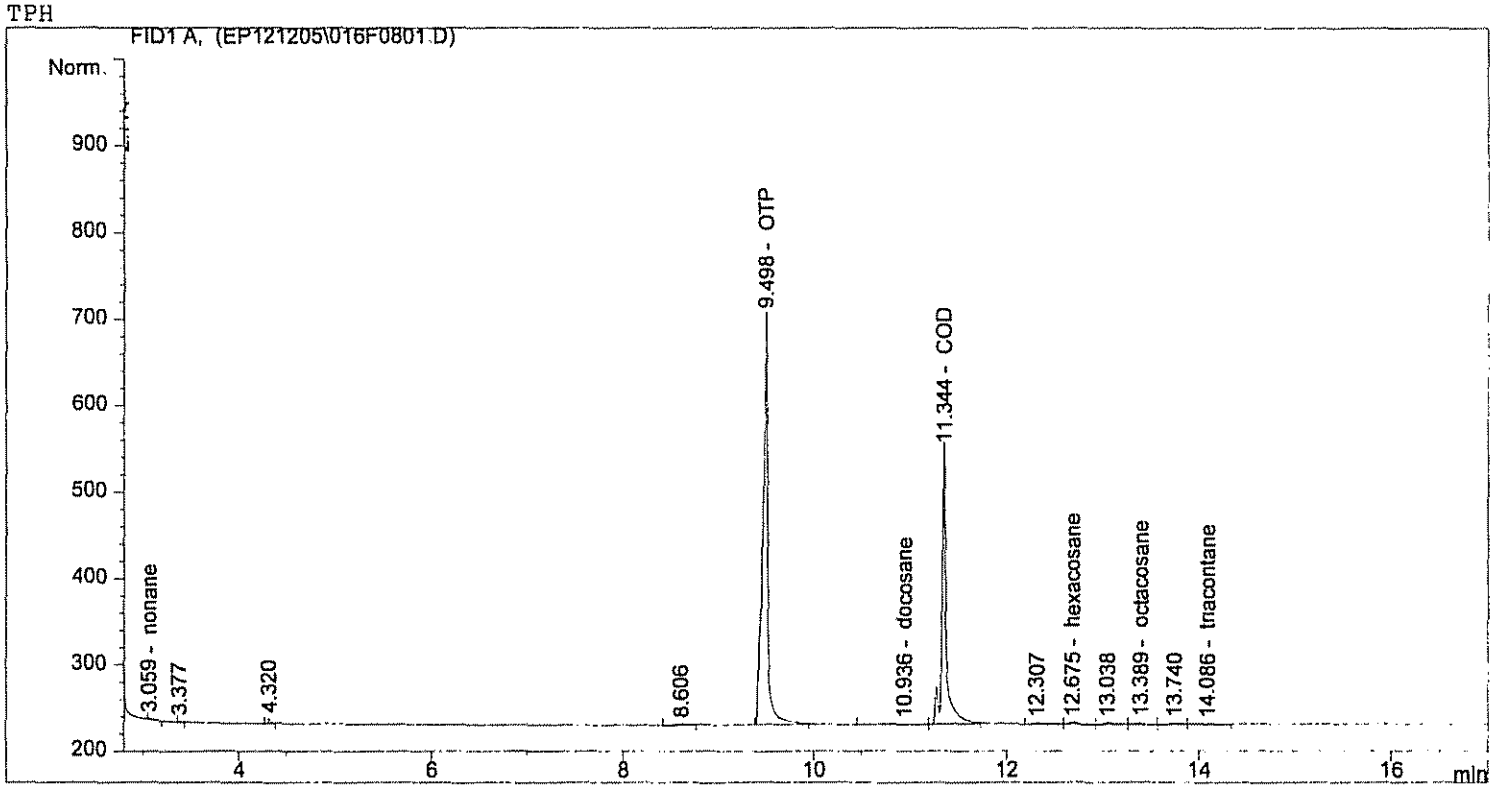
*** End of Report ***

ata File C:\HPCHEM\1\DATA\EP121205\016F0801.D Sample Name: 187965 x1 T

==========

Injection Date : 12/12/2005 4:52:38 PM Seq. Line : 8
Sample Name : 187965 x1 T Location : Vial 16
Acq. Operator : DCS 161-2262-2k Inj : 1
Acq. Instrument : GC6 Inj Volume : 10 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\121205.S
Acq. Method : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed : 11/1/2005 9:57:56 AM by DCS
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed : 12/9/2005 2:19:42 PM by DCS
TPH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 12/9/2005 2:19:28 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	3.059	VP	0.0134	1.14323	1.452e-6	nonane
2	3.872		0.0000	0.00000	0.00000	decane
3	5.410		0.0000	0.00000	0.00000	dodecane
4	6.610		0.0000	0.00000	0.00000	2-FB(frac2)
5	6.787		0.0000	0.00000	0.00000	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	7.966		0.0000	0.00000	0.00000	hexadecane
8	9.080		0.0000	0.00000	0.00000	octadecane
9	9.498	BB	0.0499	1785.29016	0.00227	OTP
10	9.543		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	10.936	BP	0.0867	6.73408	8.555e-6	docosane

Data File C:\HPCHEM\1\DATA\EP121205\016F0801.D Sample Name: 187965 x1 T

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.344	VB	0.0492	1015.19293	0.00129	COD
14	11.779		0.0000	0.00000	0.00000	tetracosane
15	12.675	VP	0.1068	15.07032	1.915e-5	hexacosane
16	13.389	VV	0.1016	13.86080	1.761e-5	octacosane
17	14.086	VV	0.1311	13.18531	1.675e-5	triacontane
18	16.100		0.0000	0.00000	0.00000	hexatriacontane

Totals : 2850.47683 3.621e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.057	BP	0.0459	3.50225	4.449e-6	?
2	0.537	PV	0.0219	55.73203	7.080e-5	?
3	1.752	VV S	0.9758	7.77509e7	98.77340	?
4	1.841	VV S	0.0172	8.20804e5	1.04274	?
5	1.875	VV S	0.0355	1.24688e4	0.01584	?
6	1.944	VV S	0.0473	1.21486e4	0.01543	?
7	1.978	VV S	0.0213	5439.95459	0.00691	?
8	2.011	VV S	0.0382	9204.08984	0.01169	?
9	2.049	VV S	0.0327	8177.06592	0.01039	?
10	2.092	VV S	0.0381	9738.03418	0.01237	?
11	2.148	VV S	0.0336	7177.68164	0.00912	?
12	2.182	VV S	0.0319	6315.31396	0.00802	?
13	2.224	VV S	0.0395	7877.99658	0.01001	?
14	2.265	VV S	0.0361	7633.58252	0.00970	?
15	2.305	VV S	0.0245	5045.04004	0.00641	?
16	2.335	VV S	0.0340	5303.93408	0.00674	?
17	2.382	VV S	0.0344	6689.58691	0.00850	?
18	2.416	VV S	0.0398	5837.79834	0.00742	?
19	2.471	VV S	0.0438	6497.18604	0.00825	?
20	2.520	VV S	0.0715	1.02260e4	0.01299	?
21	2.601	VV S	0.0522	7212.40479	0.00916	?
22	2.638	VV S	0.0295	3091.85547	0.00393	?
23	2.684	VV S	0.0411	2964.89771	0.00377	?
24	2.741	VV S	0.0399	2228.29126	0.00283	?
25	2.771	VBAS	0.0133	466.53265	0.00059	?
26	3.377	BV	0.0226	2.33644	2.968e-6	?
27	4.320	PV	0.0277	10.36258	1.316e-5	?
28	8.606	VV	0.1364	18.77408	2.385e-5	?
29	12.307	BV	0.1519	17.46792	2.219e-5	?
30	13.038	VV	0.1133	15.05363	1.912e-5	?
31	13.740	VP	0.1137	13.06242	1.659e-5	?

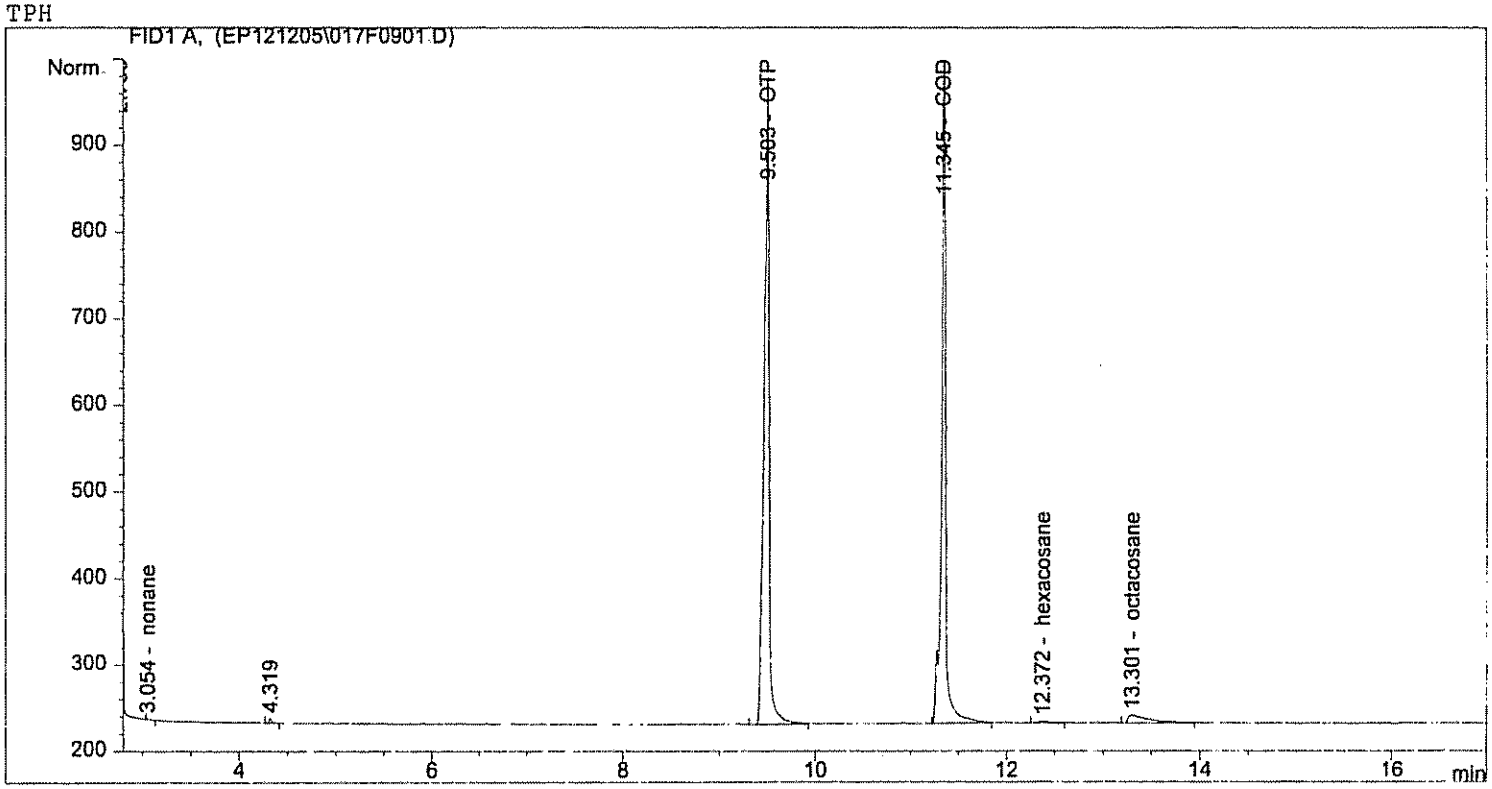
Uncalib. totals : 7.87136e7 99.9964

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 : 12/12/2005 5:19:00 PM Seq. Line : 9
Sample Name : 187966 x1 T Location : Vial 17
Acq. Operator : DCS 161-2262-SK Inj : 1
Acq. Instrument : GC6 Inj Volume : 10 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\121205.S
Acq. Method : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed : 11/1/2005 9:57:56 AM by DCS
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed : 12/9/2005 2:19:42 PM by DCS
TPH



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 12/9/2005 2:19:28 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.054	BP	0.0206	1.62851	2.102e-6	nonane
2	3.872		0.0000	0.00000	0.00000	decane
3	5.410		0.0000	0.00000	0.00000	dodecane
4	6.610		0.0000	0.00000	0.00000	2-FB(frac2)
5	6.787		0.0000	0.00000	0.00000	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	7.966		0.0000	0.00000	0.00000	hexadecane
8	9.080		0.0000	0.00000	0.00000	octadecane
9	9.503	VV	0.0521	2802.14600	0.00362	OTP
10	9.543		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	11.057		0.0000	0.00000	0.00000	docosane

ata File C:\HPCHEM\1\DATA\EP121205\017F0901.D Sample Name: 187966 x1 T

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.345	BB	0.0454	2350.06128	0.00303	COD
14	11.779		0.0000	0.00000	0.00000	tetracosane
15	12.372	PP	0.1138	14.51667	1.873e-5	hexacosane
16	13.301	BB	0.1911	129.69644	0.00017	octacosane
17	13.914		0.0000	0.00000	0.00000	triacontane
18	16.100		0.0000	0.00000	0.00000	hexatriacontane

Totals : 5298.04890 6.837e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.551	PV	0.0238	42.90428	5.537e-5	?
2	0.640	VV S	0.0159	2.72657e4	0.03519	?
3	1.800	VBAS	0.9744	7.73051e7	99.76176	?
4	1.872	BV T	0.0758	2.18691e4	0.02822	?
5	1.924	VV T	0.0314	9739.85547	0.01257	?
6	1.959	VV T	0.0204	7068.90869	0.00912	?
7	1.987	VV T	0.0345	8385.58594	0.01082	?
8	2.031	VV T	0.0348	1.02758e4	0.01326	?
9	2.094	VV T	0.0552	1.62039e4	0.02091	?
10	2.172	VV T	0.0410	1.04949e4	0.01354	?
11	2.238	VV T	0.0577	1.17039e4	0.01510	?
12	2.296	VV T	0.0332	7137.78613	0.00921	?
13	2.351	VV T	0.0290	7380.91455	0.00953	?
14	2.402	VV T	0.0329	7555.67188	0.00975	?
15	2.439	VV T	0.0282	6147.79639	0.00793	?
16	2.498	VV T	0.0320	6806.94922	0.00878	?
17	2.546	VV T	0.0362	6027.46777	0.00778	?
18	2.603	VV T	0.0406	7588.25977	0.00979	?
19	2.646	VV T	0.0732	6314.30029	0.00815	?
20	2.766	VV T	0.0263	1292.87183	0.00167	?
21	4.319	BB	0.0267	9.48252	1.224e-5	?

Uncalib. totals : 7.74844e7 99.9932

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: 09/13/05

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	3.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	3.8	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	7.9	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 09/13/05

Calibration Check

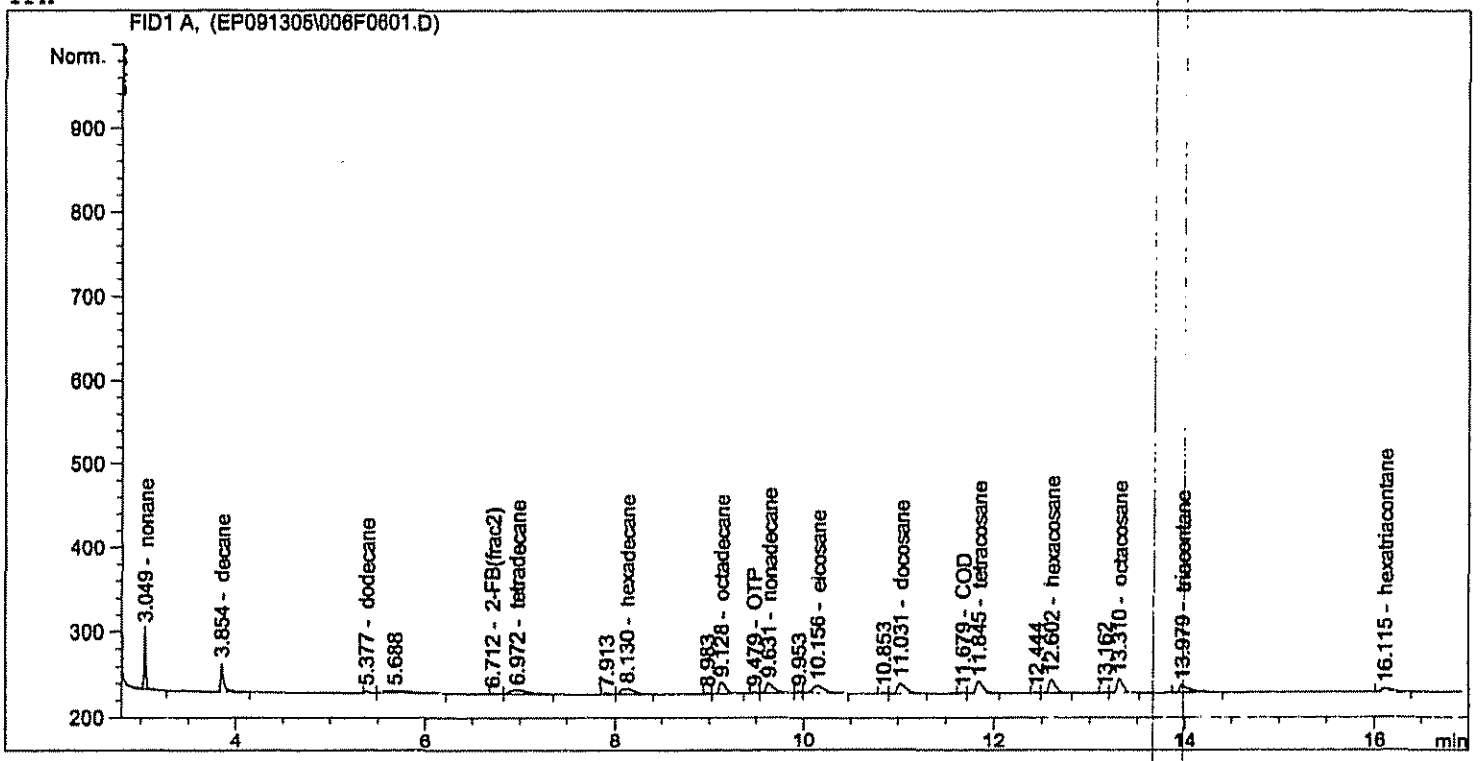
Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	1.1
C_{19}-C_{36} Aliphatics	160	-2.3
C_{11}-C_{22} Aromatics	340	-4.1

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

Data File C:\HPCHEM\1\DATA\EP091305\006F0601.D Sample Name: K 1 ICAL

Injection Date	: 9/13/2005 6:41:59 PM	Seq. Line :	6
Sample Name	: K 1 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\EPHTK_F.M		
Last changed	: 9/14/2005 10:37:54 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	9/14/2005 10:37:54 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	3.049	VP	0.0167	77.88595	9.631e-5	nonane
2	3.854	BB	0.0326	78.79640	9.743e-5	decane
3	5.377	PV	0.0328	6.93495	8.575e-6	dodecane
4	6.712	PB	0.0506	5.67988	7.023e-6	2-FB(frac2)
5	6.972	BB	0.1654	69.45234	8.588e-5	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	8.130	BB	0.1233	70.44658	8.711e-5	hexadecane
8	9.128	VB	0.0724	74.09371	9.162e-5	octadecane
9	9.479	PV	0.0437	5.32447	6.584e-6	OTP
10	9.631	VB	0.0877	77.74606	9.614e-5	nonadecane
11	10.156	VB	0.1105	80.25751	9.924e-5	eicosane
12	11.031	VB	0.1032	80.82813	9.995e-5	docosane

Data File C:\HPCHEM\1\DATA\EP091305\006F0601.D Sample Name: K 1 ICAL

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.679	PV	0.0392	3.63239	4.492e-6	COD
14	11.845	VB	0.0830	77.58167	9.593e-5	tetracosane
15	12.602	VB	0.0787	79.42442	9.821e-5	hexacosane
16	13.310	VB	0.0700	78.39539	9.694e-5	octacosane
17	13.979	VB	0.1194	77.98347	9.643e-5	triacontane
18	16.115	PB	0.1259	33.44606	4.136e-5	hexatriacontane

Totals : 977.90938 1.209e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.546	PV	0.0294	133.16051	0.00016	?
2	0.582	VV	0.0169	64.52738	7.979e-5	?
3	1.785	VV S	0.9799	7.98927e7	98.78964	?
4	1.851	VV S	0.0174	8.33549e5	1.03071	?
5	1.911	VV S	0.0401	1.39599e4	0.01726	?
6	1.952	VV S	0.0340	9896.03711	0.01224	?
7	1.991	VV S	0.0741	1.89531e4	0.02344	?
8	2.083	VV S	0.0402	1.04657e4	0.01294	?
9	2.148	VV S	0.0429	1.11954e4	0.01384	?
10	2.193	VV S	0.0299	8060.81152	0.00997	?
11	2.235	VV S	0.0343	7665.64453	0.00948	?
12	2.275	VV S	0.0389	8020.46436	0.00992	?
13	2.326	VV S	0.0523	1.07722e4	0.01332	?
14	2.388	VV S	0.0291	5846.55957	0.00723	?
15	2.442	VV S	0.0395	8155.87646	0.01008	?
16	2.482	VV S	0.0285	5445.92822	0.00673	?
17	2.526	VV S	0.0424	6594.80908	0.00815	?
18	2.571	VV S	0.0290	5245.31006	0.00649	?
19	2.608	VV S	0.0282	4966.43604	0.00614	?
20	2.644	VV S	0.0291	3514.96094	0.00435	?
21	2.680	VV S	0.0600	3665.74097	0.00453	?
22	2.758	VBAS	0.0322	1594.48254	0.00197	?
23	5.688	VB	0.2327	61.53053	7.608e-5	?
24	7.913	BB	0.0517	6.21814	7.689e-6	?
25	8.983	PV	0.0413	5.33111	6.592e-6	?
26	9.953	BV	0.0408	6.29103	7.779e-6	?
27	10.853	PV	0.0469	5.09321	6.298e-6	?
28	12.444	PV	0.0423	3.65501	4.520e-6	?
29	13.162	PV	0.0425	3.14104	3.884e-6	?

Uncalib. totals : 8.08705e7 99.9988

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

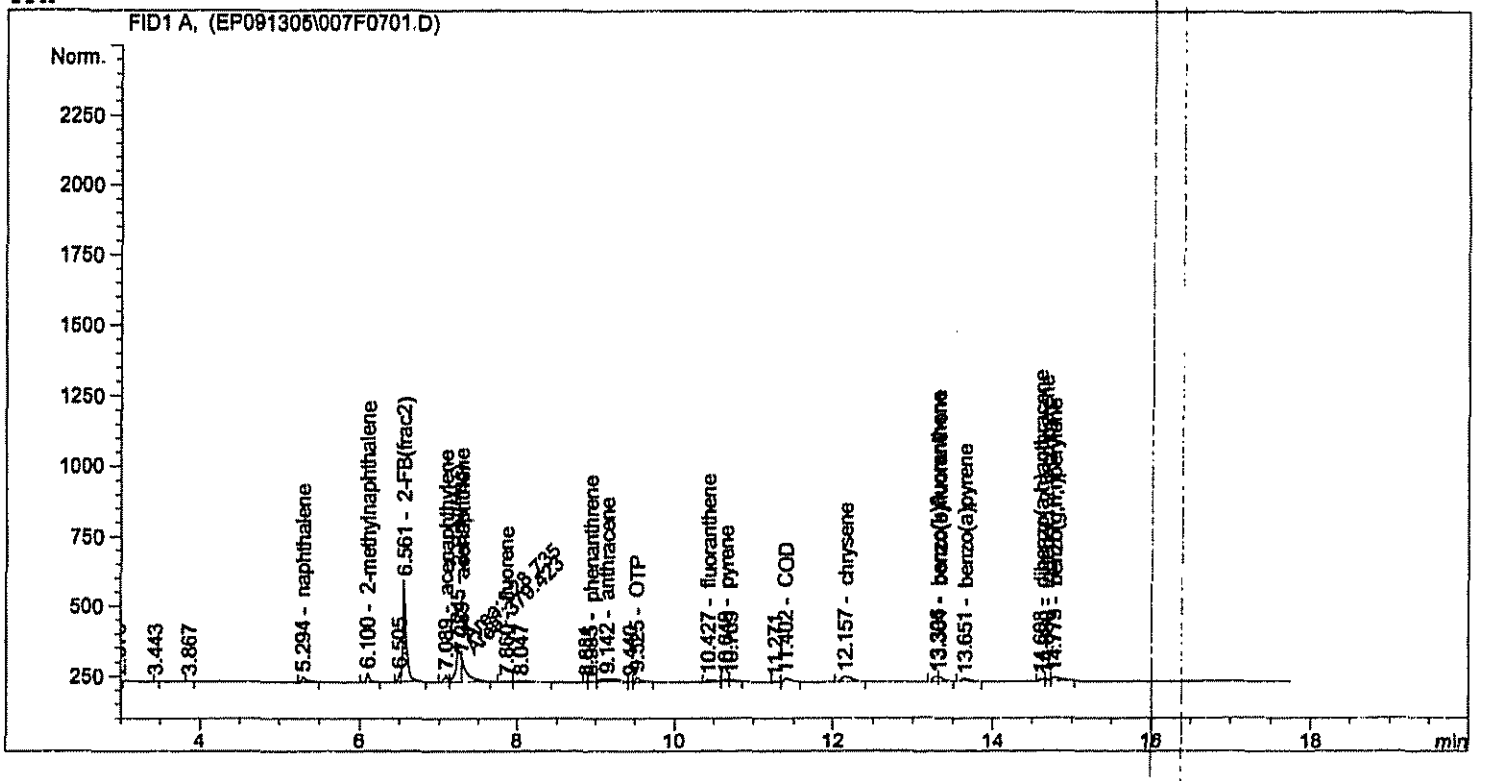
==========

*** End of Report ***

Data File C:\HPCHEM\1\DATA\EP091305\007F0701.D Sample Name: R 1 ICAL

Injection Date	: 9/13/2005 7:08:47 PM	Seq. Line :	7
Sample Name	: R 1 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	: 9/14/2005 10:58:39 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 9/14/2005 10:58:33 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	5.294	BB	0.0599	81.13950	0.00010	naphthalene
2	6.100	BB	0.0415	84.12633	0.00010	2-methylnaphthalene
3	6.561	VB	0.0409	1046.99292	0.00129	2-FB(frac2)
4	7.089	PV	0.0400	73.48611	9.076e-5	acenaphthylene
5	7.245	MF	0.0676	528.73456	0.00065	2-BrN(frac)
6	7.289	FM	0.0757	379.42307	0.00047	acenaphthene
7	7.860	PV	0.0820	21.26535	2.626e-5	fluorene
8	8.935	VB	0.0547	7.81919	9.657e-6	phenanthrene
9	9.142	BV	0.1795	145.42139	0.00018	anthracene
10	9.525	VB	0.0620	83.26421	0.00010	OTP
11	10.427	PV	0.1003	67.44508	8.330e-5	fluoranthene
12	10.649	VV	0.0746	40.02744	4.944e-5	pyrene

Data File C:\HPCHEM\1\DATA\EP091305\007F0701.D Sample Name: R 1 ICAL

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.402	BB	0.0750	75.77206	9.359e-5	COD
14	12.039		0.0000	0.00000	0.00000	benzo(a)anthracene
15	12.157	BB	0.1125	164.79250	0.00020	chrysene
16	13.306	PV	0.0647	91.38042	0.00011	benzo(k)fluoranthene
17	13.331	VB	0.0511	73.58042	9.088e-5	benzo(b)fluoranthene
18	13.651	PP	0.0878	66.25091	8.183e-5	benzo(a)pyrene
19	14.608	PV	0.0514	36.04634	4.452e-5	dibenzo(a,h)anthracene
20	14.680	VV	0.0506	28.19849	3.483e-5	indeno(1,2,3-cd)pyrene
21	14.779	VB	0.1077	102.96542	0.00013	benzo(g,h,i)perylene

Totals : 3198.13171 3.950e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.555	PV	0.0133	620.81244	0.00077	?
2	0.582	VV S	0.0132	7360.28809	0.00909	?
3	0.682	VV S	0.0270	5.98010e5	0.73860	?
4	1.815	VV S	0.9690	7.93626e7	98.02018	?
5	1.851	VV S	0.0180	8.51638e5	1.05185	?
6	1.938	VV S	0.0544	1.71000e4	0.02112	?
7	1.997	VV S	0.0334	1.03198e4	0.01275	?
8	2.044	VV S	0.0418	1.06668e4	0.01317	?
9	2.097	VV S	0.0467	1.14786e4	0.01418	?
10	2.140	VV S	0.0275	6547.15869	0.00809	?
11	2.181	VV S	0.0298	8487.78613	0.01048	?
12	2.221	VV S	0.0304	6228.55762	0.00769	?
13	2.260	VV S	0.0337	9288.24512	0.01147	?
14	2.335	VV S	0.0571	1.11073e4	0.01372	?
15	2.388	VV S	0.0579	1.09857e4	0.01357	?
16	2.442	VV S	0.0293	5991.75586	0.00740	?
17	2.485	VV S	0.0932	1.40085e4	0.01730	?
18	2.577	VV S	0.0287	5261.98291	0.00650	?
19	2.625	VV S	0.0777	1.16714e4	0.01442	?
20	2.746	VV S	0.0321	1953.26697	0.00241	?
21	2.780	VB S	0.0178	843.51141	0.00104	?
22	2.814	BB X	0.0113	36.70873	4.534e-5	?
23	2.975	PP	0.0172	1.08075	1.335e-6	?
24	3.443	PB	0.0249	3.61961	4.471e-6	?
25	3.867	PB	0.0299	2.38126	2.941e-6	?
26	6.505	PV	0.0301	55.48806	6.853e-5	?
27	8.047	VP	0.1374	51.39924	6.348e-5	?
28	8.881	PV	0.0311	3.18710	3.936e-6	?
29	9.440	VV	0.0392	7.51367	9.280e-6	?
30	10.709	VB	0.0632	38.63117	4.771e-5	?
31	11.271	PB	0.0408	4.48564	5.540e-6	?

Uncalib. totals : 8.09624e7 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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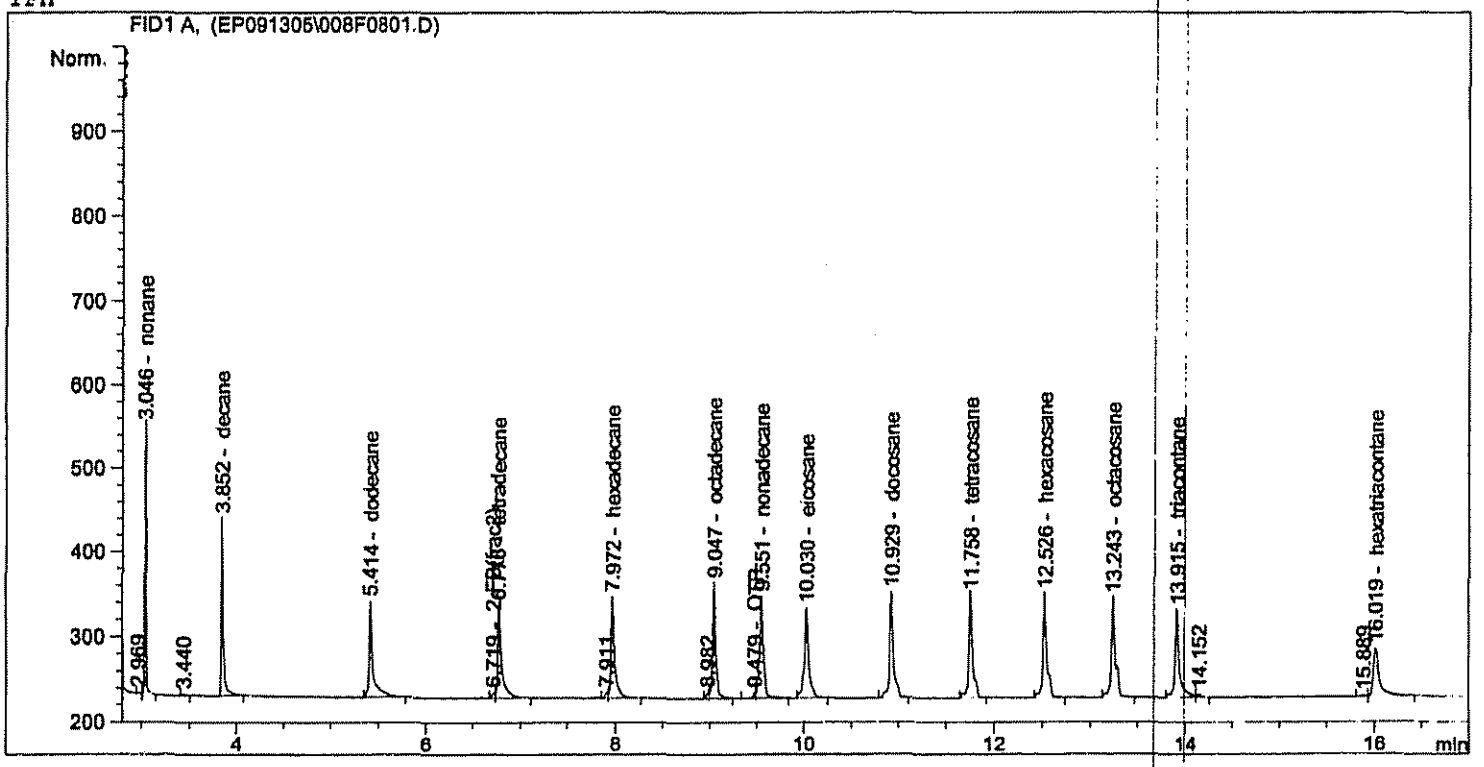
*** End of Report ***

Data File C:\HPCHEM\1\DATA\EP091305\008F0801.D Sample Name: K 5 ICAL

Injection Date	: 9/13/2005 7:35:40 PM	Seq. Line :	8
Sample Name	: K 5 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\EPHTK_F.M		
Last changed	: 9/14/2005 10:35:55 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 9/14/2005 10:34:18 AM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.046	VB	0.0176	343.04227	0.00043	nonane
2	3.852	BB	0.0230	324.12643	0.00040	decane
3	5.414	PB	0.0399	325.25610	0.00041	dodecane
4	6.719	BV	0.0272	11.36900	1.419e-5	2-FB(frac2)
5	6.776	VB	0.0421	326.32327	0.00041	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	7.972	VB	0.0396	330.09827	0.00041	hexadecane
8	9.047	VV	0.0350	336.09415	0.00042	octadecane
9	9.479	VV	0.0252	11.67736	1.457e-5	OTP
10	9.551	VB	0.0394	340.57483	0.00042	nonadecane
11	10.030	BP	0.0442	343.38861	0.00043	eicosane
12	10.929	BB	0.0427	343.82516	0.00043	docosane

Data File C:\HPCHEM\1\DATA\EP091305\008F0801.D Sample Name: K 5 ICAL

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.435		0.0000	0.00000	0.00000	COD
14	11.758	PB	0.0433	342.29767	0.00043	tetracosane
15	12.526	BB	0.0435	348.70538	0.00044	hexacosane
16	13.243	BB	0.0447	344.34097	0.00043	octacosane
17	13.915	PV	0.0477	331.40210	0.00041	triacontane
18	16.019	VB	0.0684	259.43002	0.00032	hexatriacontane

Totals : 4661.95160 5.817e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.545	PV	0.0242	145.61394	0.00018	?
2	0.582	VV	0.0162	97.68255	0.00012	?
3	0.687	VV S	0.0324	7.93376e5	0.98996	?
4	1.810	VV S	0.9623	7.83677e7	97.78553	?
5	1.837	VV S	0.0175	8.28214e5	1.03343	?
6	1.881	VV S	0.0248	9064.03223	0.01131	?
7	1.921	VV S	0.0363	1.03244e4	0.01288	?
8	1.974	VV S	0.0436	1.30136e4	0.01624	?
9	2.019	VV S	0.0352	9635.37305	0.01202	?
10	2.067	VV S	0.0457	1.16990e4	0.01460	?
11	2.124	VV S	0.0437	1.11201e4	0.01388	?
12	2.178	VV S	0.0546	1.13040e4	0.01410	?
13	2.241	VV S	0.0385	9558.62012	0.01193	?
14	2.291	VV S	0.0408	8140.55957	0.01016	?
15	2.334	VV S	0.0278	5464.46680	0.00682	?
16	2.371	VV S	0.0314	5923.30762	0.00739	?
17	2.418	VV S	0.0414	7483.15137	0.00934	?
18	2.460	VV S	0.0325	6156.72510	0.00768	?
19	2.510	VV S	0.0389	6751.61377	0.00842	?
20	2.567	VV S	0.0524	8546.40918	0.01066	?
21	2.616	VV S	0.0451	7110.93945	0.00887	?
22	2.662	VV S	0.0414	4044.55762	0.00505	?
23	2.726	VV S	0.0265	1495.43152	0.00187	?
24	2.759	VBAS	0.0263	1354.50513	0.00169	?
25	2.969	BP	0.0197	1.36202	1.700e-6	?
26	3.440	PV	0.0271	3.07210	3.833e-6	?
27	7.911	VV	0.0288	12.81693	1.599e-5	?
28	8.982	VV	0.0249	11.92845	1.488e-5	?
29	14.152	VB	0.0469	11.95389	1.492e-5	?
30	15.889	PV	0.0630	5.11125	6.378e-6	?

Uncalib. totals : 8.01378e7 99.9942

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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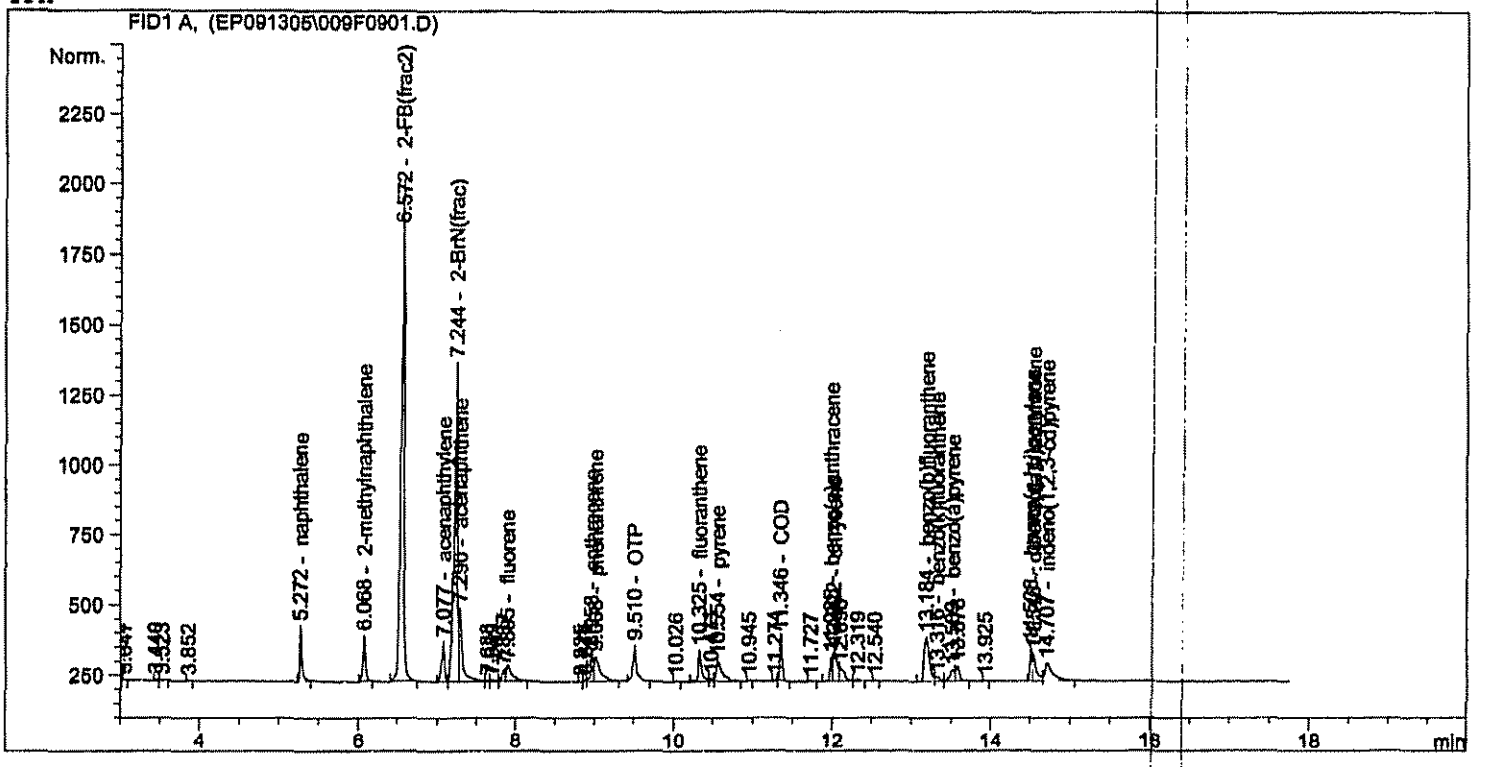
*** End of Report ***

Data File C:\HPCHEM\1\DATA\EP091305\009F0901.D Sample Name: R 5 ICAL

Injection Date	: 9/13/2005 8:02:10 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	: 9/14/2005 10:59:56 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	9/14/2005 11:02:14 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	5.272	PB	0.0279	367.76553	0.00046	naphthalene
2	6.068	PB	0.0333	362.58273	0.00045	2-methylnaphthalene
3	6.572	PB	0.0365	4644.14209	0.00579	2-FB(frac2)
4	7.077	PV	0.0372	375.10001	0.00047	acenaphthylene
5	7.244	VV	0.0374	3269.27588	0.00408	2-BrN(frac)
6	7.290	VB	0.0372	715.74603	0.00089	acenaphthene
7	7.895	VB	0.0617	284.13620	0.00035	fluorene
8	8.958	VV	0.0341	244.46634	0.00030	anthracene
9	9.008	VB	0.0668	460.05322	0.00057	phenanthrene
10	9.510	BB	0.0452	410.27661	0.00051	OTP
11	10.325	BV	0.0443	340.93533	0.00043	fluoranthene
12	10.554	VB	0.0693	393.43961	0.00049	pyrene

Data File C:\HPCHEM\1\DATA\EP091305\009F0901.D Sample Name: R 5 ICAL

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.346	VB	0.0324	341.68982	0.00043	COD
14	11.985	BV	0.0301	166.88100	0.00021	benzo(a)anthracene
15	12.022	VV	0.0478	381.17319	0.00048	chrysene
16	13.184	BV	0.0574	712.49707	0.00089	benzo(b)fluoranthene
17	13.316	VV	0.0594	64.06521	7.992e-5	benzo(k)fluoranthene
18	13.509	VV	0.0601	178.75031	0.00022	benzo(a)pyrene
19	14.508	BV	0.0293	225.88249	0.00028	benzo(g,h,i)perylene
20	14.540	VV	0.0461	318.33463	0.00040	dibenzo(a,h)anthracene
21	14.707	VB	0.0867	433.12628	0.00054	indeno(1,2,3-cd)pyrene

Totals : 1.46903e4 1.833e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.559	PV S	7.53e-3	2384.86719	0.00297	?
2	0.588	VV S	0.0135	3.71264e4	0.04631	?
3	1.793	VV S	0.9672	7.91383e7	98.72009	?
4	1.843	VV S	0.0171	8.31569e5	1.03733	?
5	1.931	VV S	0.0387	1.36160e4	0.01699	?
6	1.991	VV S	0.0523	1.47347e4	0.01838	?
7	2.038	VV S	0.0312	8800.65234	0.01098	?
8	2.086	VV S	0.0320	8903.28027	0.01111	?
9	2.136	VV S	0.0666	1.43888e4	0.01795	?
10	2.207	VV S	0.0358	9873.52734	0.01232	?
11	2.245	VV S	0.0263	5229.81543	0.00652	?
12	2.277	VV S	0.0404	7757.29688	0.00968	?
13	2.342	VV S	0.0483	8566.73828	0.01069	?
14	2.394	VV S	0.0425	7644.32861	0.00954	?
15	2.452	VV S	0.0569	1.04455e4	0.01303	?
16	2.508	VV S	0.0314	5849.02393	0.00730	?
17	2.544	VV S	0.0440	6793.97363	0.00848	?
18	2.596	VV S	0.0640	1.11695e4	0.01393	?
19	2.685	VV S	0.0283	2344.26514	0.00292	?
20	2.729	VV S	0.0294	1975.50452	0.00246	?
21	2.764	VB S	0.0255	1468.94153	0.00183	?
22	2.799	BB T	0.0213	86.22366	0.00011	?
23	2.972	PP	0.0183	1.55628	1.941e-6	?
24	3.047	BB	0.0168	3.09531	3.861e-6	?
25	3.440	PB	0.0209	5.72804	7.145e-6	?
26	3.523	BB	0.0347	4.08151	5.091e-6	?
27	3.852	BB	0.0265	3.97434	4.958e-6	?
28	7.633	BV	0.0471	9.81497	1.224e-5	?
29	7.689	VV	0.0593	13.57709	1.694e-5	?
30	7.837	VV	0.0388	103.16145	0.00013	?
31	8.825	PV	0.0217	1.88326	2.349e-6	?
32	8.875	VV	0.0284	13.65879	1.704e-5	?
33	10.026	BB	0.0314	3.57364	4.458e-6	?
34	10.471	VV	0.0429	34.21632	4.268e-5	?
35	10.945	BP	0.0231	3.55703	4.437e-6	?
36	11.274	PV	0.0342	15.00304	1.872e-5	?
37	11.727	PB	0.0340	3.95900	4.939e-6	?
38	12.096	VV	0.0517	196.81435	0.00025	?
39	12.319	VB	0.0530	19.32568	2.411e-5	?
40	12.540	PB	0.0245	2.98506	3.724e-6	?
41	13.578	VB	0.0507	173.76591	0.00022	?
42	13.925	PB	0.0253	3.06778	3.827e-6	?

Uncalib. totals : 8.01496e7 99.9817

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

GC6 9/14/2005 11:03:40 AM DCS

Data File C:\HPCHEM\1\DATA\EP091305\009F0901.D

Sample Name: R 5 ICAL

Warning : Elution order of calibrated compounds may have changed

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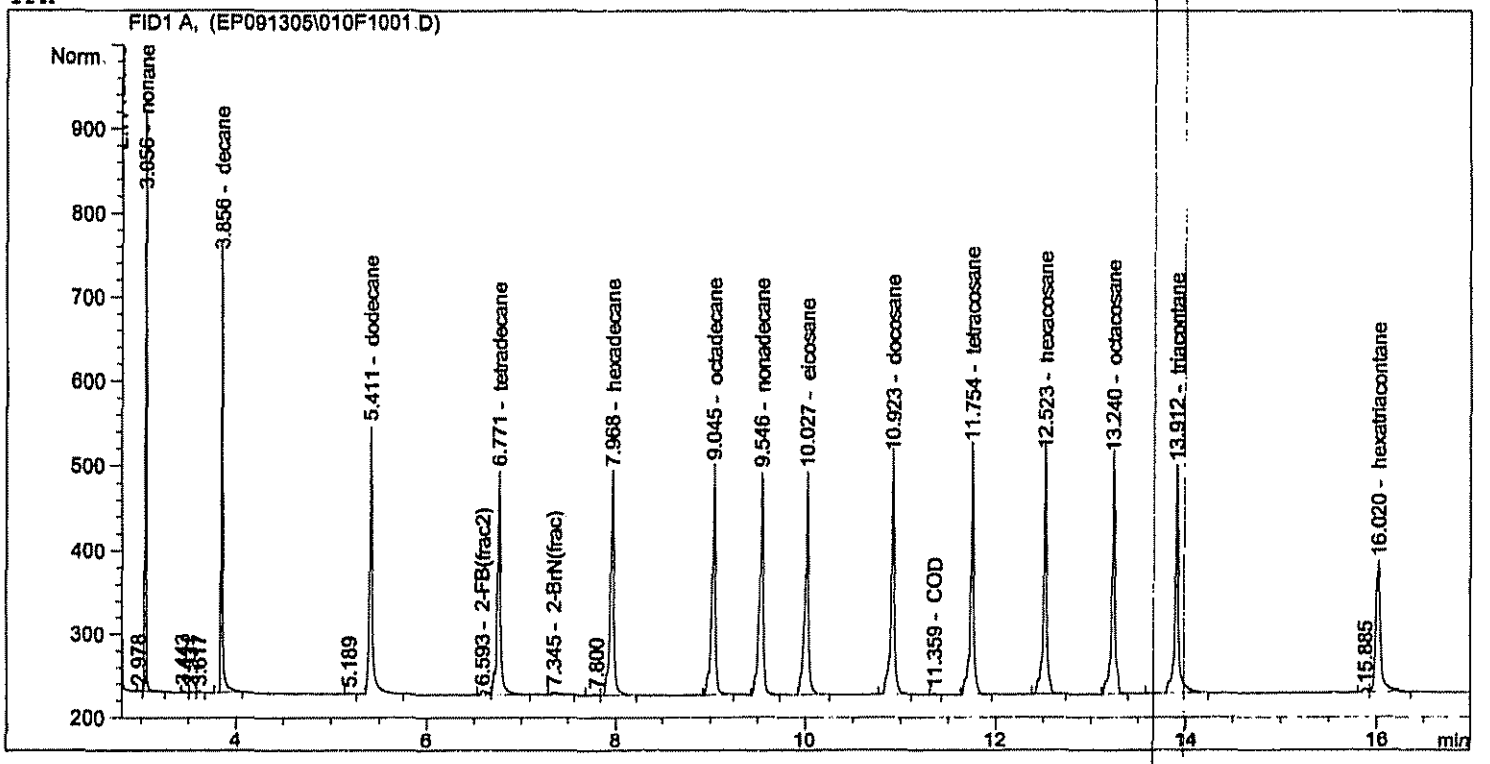
*** End of Report ***

Data File C:\HPCHEM\1\DATA\EP091305\010F1001.D Sample Name: K 10 ICAL

Injection Date	: 9/13/2005 8:28:43 PM	Seq. Line	: 10
Sample Name	: K 10 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\EPHTK_F.M		
Last changed	: 9/14/2005 10:35:55 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	9/14/2005 10:34:18 AM
Multiplier	:	1.0000
Dilution	:	1.0000

Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	3.056	VB	0.0161	700.91272	0.00086	nonane
2	3.856	PB	0.0199	663.43158	0.00081	decane
3	5.411	BB	0.0309	679.01575	0.00083	dodecane
4	6.593	VV	0.0616	23.50243	2.878e-5	2-FB(frac2)
5	6.771	VB	0.0375	694.02704	0.00085	tetradecane
6	7.345	BP	0.0718	16.23214	1.988e-5	2-BrN(frac)
7	7.968	VB	0.0364	691.62714	0.00085	hexadecane
8	9.045	VB	0.0358	697.49384	0.00085	octadecane
9	9.546	VV	0.0370	702.22522	0.00086	nonadecane
10	9.565		0.0000	0.00000	0.00000	OTP
11	10.027	BB	0.0368	697.99286	0.00085	eicosane
12	10.923	BB	0.0389	699.74017	0.00086	docosane

Data File C:\HPCHEM\1\DATA\EP091305\010F1001.D Sample Name: K 10 ICAL

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.359	BP	0.0355	3.29371	4.033e-6	COD
14	11.754	BB	0.0375	697.97870	0.00085	tetracosane
15	12.523	BB	0.0388	704.88654	0.00086	hexacosane
16	13.240	PB	0.0386	693.70624	0.00085	octacosane
17	13.912	BB	0.0404	702.78375	0.00086	triacontane
18	16.020	VB	0.0567	572.79114	0.00070	hexatriacontane

Totals : 9641.64096 1.181e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.553	PV	0.0303	149.86821	0.00018	?
2	0.581	VV	0.0161	232.36293	0.00028	?
3	1.816	VV S	0.9853	8.06747e7	98.79070	?
4	1.854	VV S	0.0173	8.38433e5	1.02671	?
5	1.932	VV S	0.0308	1.09542e4	0.01341	?
6	1.966	VV S	0.0276	7934.83545	0.00972	?
7	2.003	VV S	0.0342	1.06479e4	0.01304	?
8	2.050	VV S	0.0267	8127.57568	0.00995	?
9	2.098	VV S	0.0580	1.31915e4	0.01615	?
10	2.144	VV S	0.0250	5884.71484	0.00721	?
11	2.178	VV S	0.0465	1.01411e4	0.01242	?
12	2.234	VV S	0.0356	8019.29639	0.00982	?
13	2.269	VV S	0.0406	8208.63281	0.01005	?
14	2.338	VV S	0.1204	2.13912e4	0.02619	?
15	2.506	VV S	0.0918	1.45932e4	0.01787	?
16	2.555	VV S	0.0264	3722.32056	0.00456	?
17	2.585	VV S	0.0212	2981.75244	0.00365	?
18	2.607	VV S	0.0505	6870.87891	0.00841	?
19	2.677	VV S	0.0283	2848.11230	0.00349	?
20	2.708	VV S	0.0268	1356.94141	0.00166	?
21	2.748	VV S	0.0291	1587.79443	0.00194	?
22	2.771	VBAS	0.0170	590.94861	0.00072	?
23	2.978	BP	0.0196	1.55376	1.903e-6	?
24	3.443	PV	0.0198	3.38793	4.149e-6	?
25	3.531	VV	0.0301	2.12564	2.603e-6	?
26	3.617	VP	0.0198	2.45576	3.007e-6	?
27	5.189	VB	0.0254	2.43020	2.976e-6	?
28	7.800	VP	0.0397	3.96562	4.856e-6	?
29	15.885	PV	0.0632	16.82550	2.060e-5	?

Uncalib. totals : 8.16526e7 99.9882

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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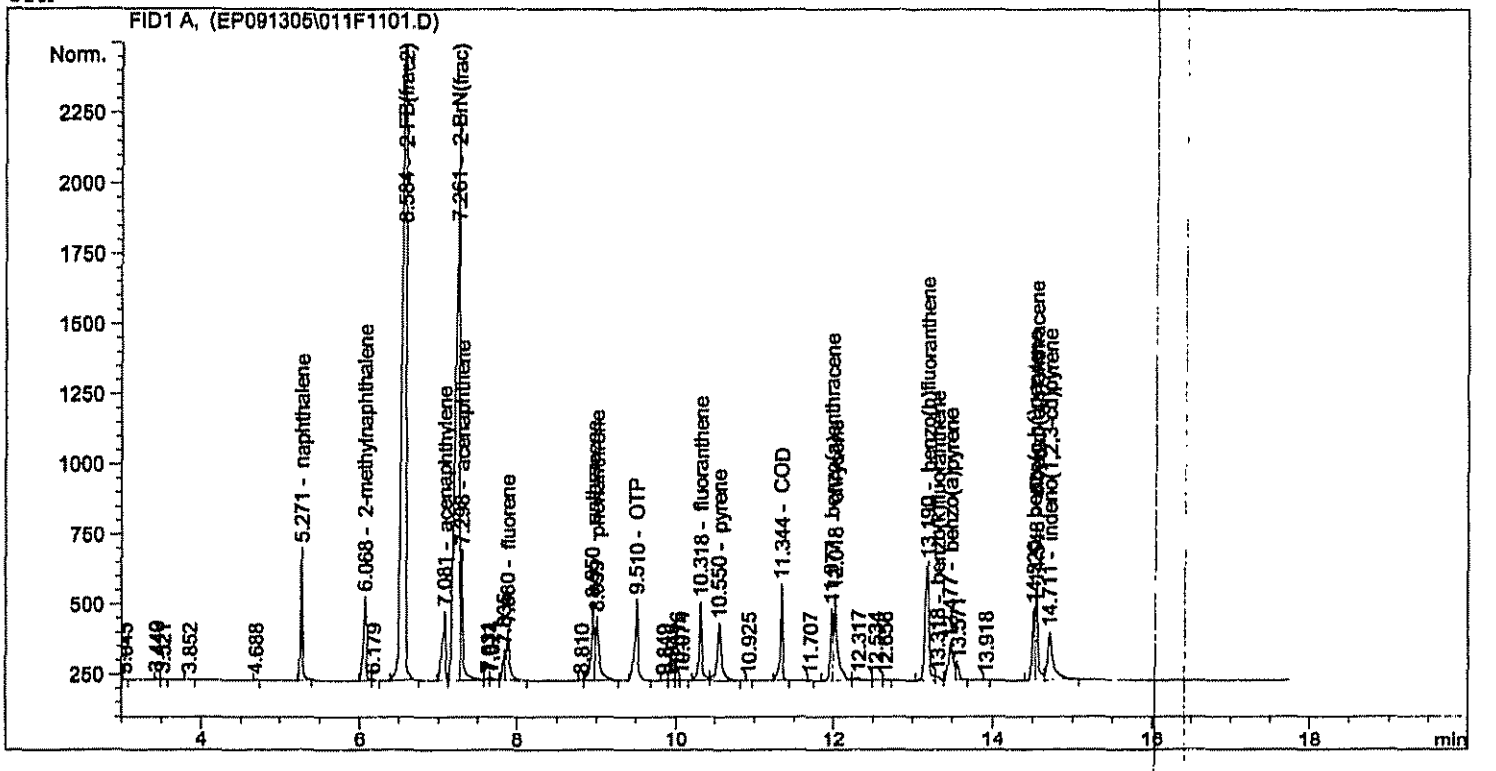
*** End of Report ***

Data File C:\HPCHEM\1\DATA\EP091305\011F1101.D Sample Name: R 10 ICAL

Injection Date	: 9/13/2005 8:54:55 PM	Seq. Line :	11
Sample Name	: R 10 ICAL	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\EPH-R_F.M		
Last changed	: 9/14/2005 10:59:56 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 9/14/2005 11:02:14 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	5.271	PB	0.0244	786.29749	0.00099	naphthalene
2	6.068	BV	0.0356	761.09143	0.00096	2-methylnaphthalene
3	6.584	PB	0.0458	9328.48438	0.01173	2-FB(frac2)
4	7.081	PV	0.0421	761.97107	0.00096	acenaphthylene
5	7.261	VV	0.0453	7018.64160	0.00882	2-BrN(frac)
6	7.298	VB	0.0270	912.75476	0.00115	acenaphthene
7	7.880	VB	0.0432	543.69373	0.00068	fluorene
8	8.950	VV	0.0351	685.11798	0.00086	anthracene
9	8.999	VB	0.0474	780.34796	0.00098	phenanthrene
10	9.510	BB	0.0395	829.02686	0.00104	OTP
11	10.318	BV	0.0388	735.92712	0.00093	fluoranthene
12	10.550	VP	0.0593	826.00928	0.00104	pyrene

Data File C:\HPCHEM\1\DATA\EP091305\011F1101.D Sample Name: R 10 ICAL

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.344	PB	0.0318	723.87555	0.00091	COD
14	11.977	BV	0.0354	580.78644	0.00073	benzo(a)anthracene
15	12.018	VV	0.0420	946.56409	0.00119	chrysene
16	13.190	BV	0.0505	1518.81335	0.00191	benzo(b)fluoranthene
17	13.318	VV	0.0575	55.73445	7.007e-5	benzo(k)fluoranthene
18	13.477	VV	0.0562	567.54773	0.00071	benzo(a)pyrene
19	14.520	BV	0.0352	615.87701	0.00077	benzo(g,h,i)perylene
20	14.548	VV	0.0294	679.00995	0.00085	dibenzo(a,h)anthracene
21	14.711	VB	0.0658	819.10919	0.00103	indeno(1,2,3-cd)pyrene

Totals : 3.04767e4 3.832e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.562	PV S	7.88e-3	2483.03003	0.00312	?
2	0.678	VV S	0.0325	6.87840e5	0.86476	?
3	1.763	VV S	0.9614	7.86715e7	98.90674	?
4	1.904	PV T	0.0666	1.71287e4	0.02153	?
5	1.945	VV S	0.0308	1.19986e4	0.01508	?
6	2.036	VV S	0.0670	1.67968e4	0.02112	?
7	2.079	VV S	0.0453	1.03469e4	0.01301	?
8	2.122	VV S	0.0355	8057.57813	0.01013	?
9	2.169	VV S	0.0390	8551.04004	0.01075	?
10	2.216	VV S	0.0328	7512.88086	0.00945	?
11	2.263	VV S	0.0390	7585.14502	0.00954	?
12	2.296	VV S	0.0363	7469.52734	0.00939	?
13	2.342	VV S	0.0246	4548.71387	0.00572	?
14	2.372	VV S	0.0292	5773.38623	0.00726	?
15	2.410	VV S	0.0360	6838.46875	0.00860	?
16	2.459	VV S	0.0357	6105.64600	0.00768	?
17	2.498	VV S	0.0285	5085.69629	0.00639	?
18	2.546	VV S	0.0460	6698.59326	0.00842	?
19	2.582	VV S	0.0471	6994.20898	0.00879	?
20	2.639	VV S	0.0239	3455.42017	0.00434	?
21	2.667	VV S	0.0239	2385.72217	0.00300	?
22	2.696	VV S	0.0255	1824.95923	0.00229	?
23	2.737	VV S	0.0291	1912.58508	0.00240	?
24	2.776	VB S	0.0235	1081.48694	0.00136	?
25	2.811	BB T	0.0169	60.00409	7.544e-5	?
26	2.971	PB	0.0207	2.49073	3.131e-6	?
27	3.045	BB	0.0198	2.89759	3.643e-6	?
28	3.440	PB	0.0198	10.73833	1.350e-5	?
29	3.521	BB	0.0255	5.91631	7.438e-6	?
30	3.852	BB	0.0327	5.24248	6.591e-6	?
31	4.688	PP	0.0273	5.80181	7.294e-6	?
32	6.179	VB	0.0388	12.28888	1.545e-5	?
33	7.631	BV	0.0416	20.99972	2.640e-5	?
34	7.674	VV	0.0412	27.47167	3.454e-5	?
35	7.835	VV	0.0313	232.77158	0.00029	?
36	8.810	BP	0.0248	4.34800	5.466e-6	?
37	9.849	PV	0.0345	3.10444	3.903e-6	?
38	9.945	VV	0.0394	10.67934	1.343e-5	?
39	10.016	VV	0.0348	5.31389	6.681e-6	?
40	10.074	VB	0.0435	4.96020	6.236e-6	?
41	10.925	BP	0.0304	3.11445	3.916e-6	?
42	11.707	PB	0.0263	5.72509	7.198e-6	?
43	12.317	VB	0.0822	60.13554	7.560e-5	?
44	12.534	BB	0.0470	7.29213	9.168e-6	?
45	12.656	BP	0.0336	3.57224	4.491e-6	?
46	13.571	VB	0.0385	141.30214	0.00018	?
47	13.918	BB	0.0243	2.10697	2.649e-6	?

Uncalib. totals : 7.95106e7 99.9617

Data File C:\HPCHEM\1\DATA\EP091305\011F1101.D Sample Name: R 10 ICAL

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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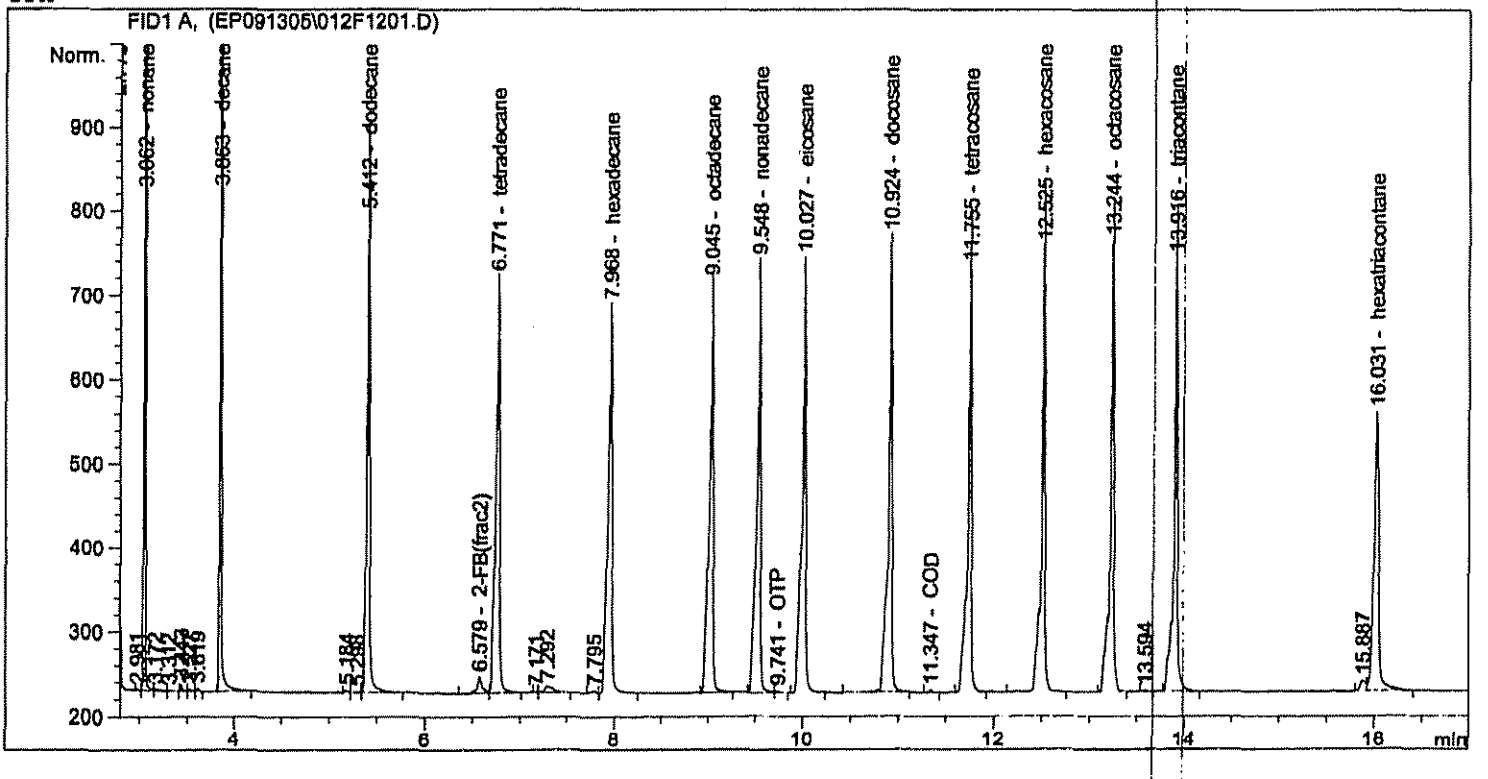
*** End of Report ***

Data File C:\HPCHEM\1\DATA\EP091305\012F1201.D Sample Name: K 20 ICAL

Injection Date	: 9/13/2005 9:21:42 PM	Seq. Line	: 12
Sample Name	: K 20 ICAL	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\EPHTK_F.M		
Last changed	: 9/14/2005 10:35:55 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 9/14/2005 10:34:18 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	3.062	VV	0.0169	1357.95361	0.00167	nonane
2	3.863	VB	0.0197	1332.61572	0.00164	decane
3	5.412	VB	0.0286	1350.45117	0.00166	dodecane
4	6.579	VV	0.0494	70.58835	8.673e-5	2-FB(frac2)
5	6.771	VB	0.0368	1348.96143	0.00166	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	7.968	VB	0.0404	1361.08679	0.00167	hexadecane
8	9.045	VB	0.0378	1372.96008	0.00169	octadecane
9	9.548	VV	0.0362	1374.80493	0.00169	nonadecane
10	9.741	VB	0.0373	4.68146	5.752e-6	OTP
11	10.027	PB	0.0369	1367.92712	0.00168	eicosane
12	10.924	PB	0.0396	1376.43213	0.00169	docosane

Data File C:\HPCHEM\1\DATA\EP091305\012F1201.D Sample Name: K 20 ICAL

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.347	BP	0.0367	6.65386	8.175e-6	COD
14	11.755	BP	0.0413	1358.80981	0.00167	tetracosane
15	12.525	BP	0.0378	1379.74634	0.00170	hexacosane
16	13.244	PP	0.0371	1354.36743	0.00166	octacosane
17	13.916	BB	0.0407	1357.15259	0.00167	triacontane
18	16.031	VB	0.0558	1188.57300	0.00146	hexatriacontane

Totals : 1.89638e4 2.330e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.063	BP	0.0436	3.12100	3.835e-6	?
2	0.554	PV	0.0204	194.37279	0.00024	?
3	0.662	VV S	0.0144	1.73531e5	0.21321	?
4	1.833	VV S	0.9655	8.02088e7	98.54998	?
5	1.858	VBAS	0.0180	8.36408e5	1.02767	?
6	1.896	BV T	0.0464	1.46182e4	0.01796	?
7	1.941	VV T	0.0327	1.21901e4	0.01498	?
8	1.985	VV T	0.0332	1.10351e4	0.01356	?
9	2.040	VV T	0.0447	1.30387e4	0.01602	?
10	2.098	VV T	0.0385	1.04743e4	0.01287	?
11	2.145	VV T	0.0433	9794.88770	0.01203	?
12	2.191	VV T	0.0365	8604.97461	0.01057	?
13	2.242	VV T	0.0324	8856.23047	0.01088	?
14	2.285	VV T	0.0331	7942.61572	0.00976	?
15	2.331	VV T	0.0398	9121.96094	0.01121	?
16	2.396	VV T	0.0331	7247.99414	0.00891	?
17	2.436	VV T	0.0255	5363.09424	0.00659	?
18	2.483	VV T	0.0387	7314.95313	0.00899	?
19	2.522	VV T	0.0268	4408.07227	0.00542	?
20	2.556	VV T	0.0294	4187.15576	0.00514	?
21	2.593	VV T	0.0269	4928.95703	0.00606	?
22	2.625	VV T	0.0305	4170.34717	0.00512	?
23	2.660	VV T	0.0624	5604.75830	0.00689	?
24	2.745	VV T	0.0218	1149.22595	0.00141	?
25	2.775	VBAT	0.0201	852.27722	0.00105	?
26	2.981	VP	0.0213	2.47900	3.046e-6	?
27	3.172	VV	0.0534	8.36312	1.028e-5	?
28	3.312	VP	0.0228	1.78647	2.195e-6	?
29	3.443	BV	0.0183	8.57488	1.054e-5	?
30	3.527	VV	0.0286	4.57140	5.617e-6	?
31	3.619	VB	0.0194	5.02985	6.180e-6	?
32	5.184	BP	0.0273	5.47837	6.731e-6	?
33	5.298	VV	0.0445	3.13704	3.854e-6	?
34	7.171	VV	0.0348	2.85603	3.509e-6	?
35	7.292	VB	0.0879	47.68880	5.859e-5	?
36	7.795	VP	0.0394	7.03419	8.643e-6	?
37	13.594	BB	0.0353	2.58580	3.177e-6	?
38	15.887	BV	0.0617	48.28326	5.932e-5	?

Uncalib. totals : 8.13700e7 99.9767

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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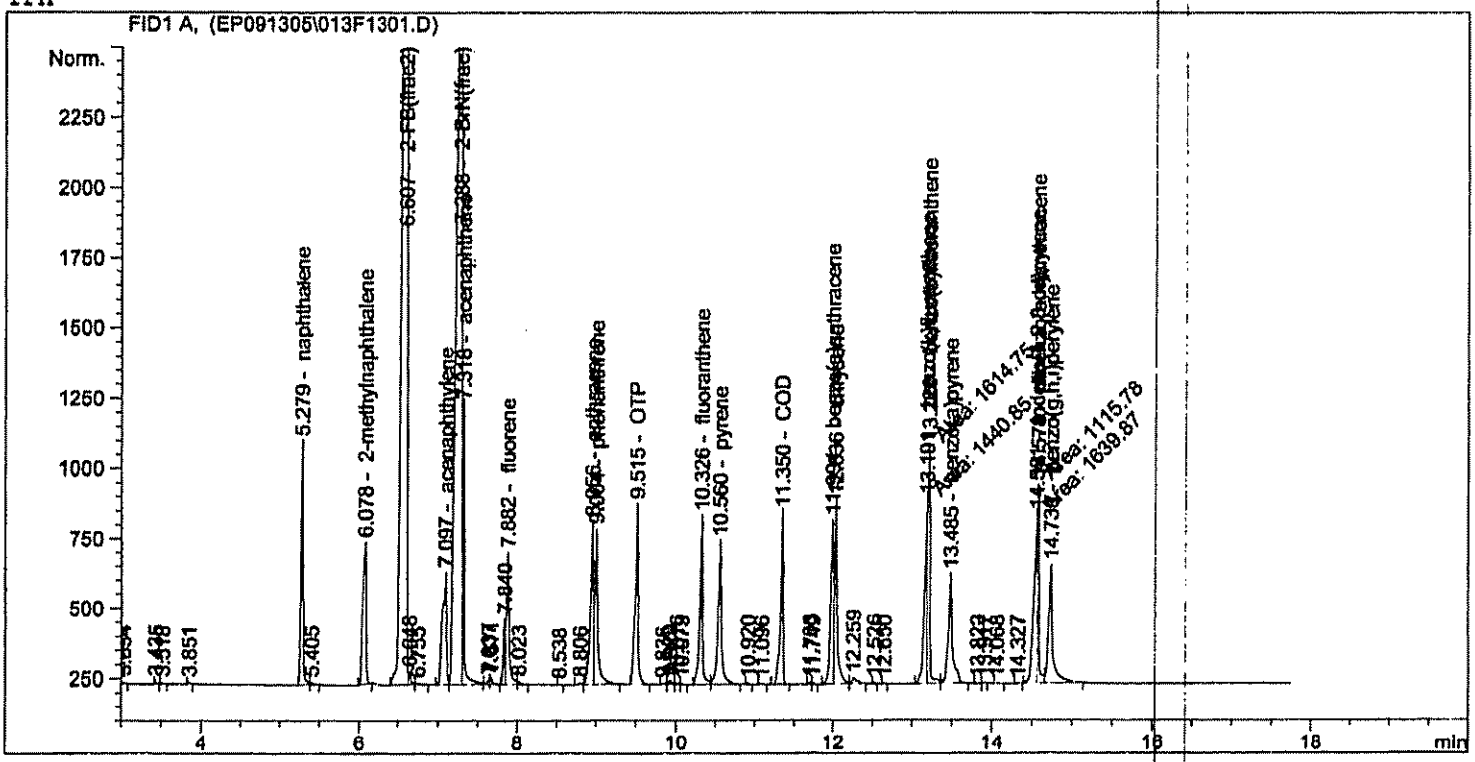
*** End of Report ***

Data File C:\HPCHEM\1\DATA\EP091305\013F1301.D Sample Name: R 20 ICAL

Injection Date	: 9/13/2005 9:49:10 PM	Seq. Line	: 13
Sample Name	: R 20 ICAL	Location	: Vial 13
Acq. Operator	: DCS	Inj	: 1
Acq. Instrument	: GC6	Inj Volume	: 10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPH-R_F.M		
Last changed	: 9/14/2005 11:04:53 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	9/14/2005 11:04:48 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	5.279	PV	0.0270	1562.51965	0.00203	naphthalene
2	6.078	PB	0.0436	1454.63660	0.00189	2-methylnaphthalene
3	6.607	PV	0.0483	1.82611e4	0.02369	2-FB(frac2)
4	7.097	PV	0.0489	1497.82129	0.00194	acenaphthylene
5	7.288	VV	0.0550	1.41086e4	0.01831	2-BrN(frac)
6	7.318	VB	0.0202	1387.59131	0.00180	acenaphthene
7	7.882	VV	0.0315	1061.77747	0.00138	fluorene
8	8.956	VV	0.0367	1532.66602	0.00199	anthracene
9	9.004	VB	0.0339	1378.28589	0.00179	phenanthrene
10	9.515	BB	0.0346	1632.65271	0.00212	OTP
11	10.326	BV	0.0355	1472.57654	0.00191	fluoranthene
12	10.560	VB	0.0422	1585.11304	0.00206	pyrene

Data File C:\HPCHEM\1\DATA\EP091305\013F1301.D Sample Name: R 20 ICAL

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.350	BB	0.0330	1417.24390	0.00184	COD
14	11.994	BV	0.0360	1509.26111	0.00196	benzo(a)anthracene
15	12.036	VV	0.0309	1458.71545	0.00189	chrysene
16	13.191	MF	0.0365	1440.85046	0.00187	benzo(k)fluoranthene
17	13.220	FM	0.0317	1614.75208	0.00210	benzo(b)fluoranthene
18	13.485	VB	0.0498	1429.85938	0.00186	benzo(a)pyrene
19	14.561	MF	0.0453	1639.87048	0.00213	indeno(1,2,3-cd)pyrene
20	14.578	FM	0.0260	1115.77771	0.00145	dibenzo(a,h)anthracene
21	14.738	VB	0.0523	1567.91003	0.00203	benzo(g,h,i)perylene

Totals : 6.01297e4 7.802e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.565	BV S	7.49e-3	2930.75952	0.00380	?
2	0.612	VV S	0.0218	1.58552e5	0.20572	?
3	0.675	VV S	0.0309	6.11819e5	0.79385	?
4	1.761	VV S	0.9261	7.52858e7	97.68458	?
5	1.811	VV S	0.0175	8.03363e5	1.04238	?
6	1.847	VV S	0.0227	7289.45850	0.00946	?
7	1.897	VV S	0.0386	1.23663e4	0.01605	?
8	1.931	VV S	0.0350	9462.42480	0.01228	?
9	1.972	VV S	0.0271	7671.20361	0.00995	?
10	2.022	VV S	0.0514	1.19749e4	0.01554	?
11	2.065	VV S	0.0441	9203.41699	0.01194	?
12	2.113	VV S	0.0244	5603.30811	0.00727	?
13	2.144	VV S	0.0270	6039.05029	0.00784	?
14	2.179	VV S	0.0343	6885.71484	0.00893	?
15	2.244	VV S	0.0602	1.24152e4	0.01611	?
16	2.303	VV S	0.0318	6321.81396	0.00820	?
17	2.346	VV S	0.0342	6680.25928	0.00867	?
18	2.386	VV S	0.0325	5550.21240	0.00720	?
19	2.432	VV S	0.0499	7495.26221	0.00973	?
20	2.489	VV S	0.0399	7353.69336	0.00954	?
21	2.534	VV S	0.0437	6892.70654	0.00894	?
22	2.601	VV S	0.0446	7591.07520	0.00985	?
23	2.648	VV S	0.0301	3706.09790	0.00481	?
24	2.684	VV S	0.0297	2714.92383	0.00352	?
25	2.727	VB S	0.0518	3544.95410	0.00460	?
26	2.959	PV	0.0239	2.69136	3.492e-6	?
27	3.034	VB	0.0178	7.21809	9.366e-6	?
28	3.435	PB	0.0211	10.06810	1.306e-5	?
29	3.518	BB	0.0254	6.77563	8.791e-6	?
30	3.851	PB	0.0216	7.14400	9.269e-6	?
31	5.405	VB	0.0426	21.21064	2.752e-5	?
32	6.648	VV	0.0301	96.12778	0.00012	?
33	6.755	VB	0.0672	24.40050	3.166e-5	?
34	7.637	BV	0.0377	39.87048	5.173e-5	?
35	7.671	VB	0.0328	54.49953	7.071e-5	?
36	7.840	BV	0.0290	436.35309	0.00057	?
37	8.023	VB	0.0436	28.29251	3.671e-5	?
38	8.538	BP	0.0346	2.59504	3.367e-6	?
39	8.806	BP	0.0318	13.89590	1.803e-5	?
40	9.836	BV	0.0299	8.10418	1.052e-5	?
41	9.929	VV	0.0337	29.63826	3.846e-5	?
42	10.016	VV	0.0363	11.90903	1.545e-5	?
43	10.073	VB	0.0315	5.83833	7.575e-6	?
44	10.920	BP	0.0273	6.30633	8.183e-6	?
45	11.096	PP	0.0339	2.59013	3.361e-6	?
46	11.703	BV	0.0261	11.20493	1.454e-5	?
47	11.749	VP	0.0261	5.84315	7.582e-6	?
48	12.259	VB	0.0608	90.32774	0.00012	?
49	12.526	BP	0.0234	5.09092	6.606e-6	?

Data File C:\HPCHEM\1\DATA\EP091305\013F1301.D Sample Name: R 20 ICAL

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
50	12.650	VP	0.0235	3.37979	4.385e-6	?
51	13.822	PB	0.0342	3.08843	4.007e-6	?
52	13.917	BV	0.0258	6.37402	8.270e-6	?
53	14.068	BP	0.0241	1.96441	2.549e-6	?
54	14.327	BP	0.0292	3.05672	3.966e-6	?

Uncalib. totals : 7.70101e7 99.9220

Results obtained with enhanced integrator!
2 Warnings or Errors :

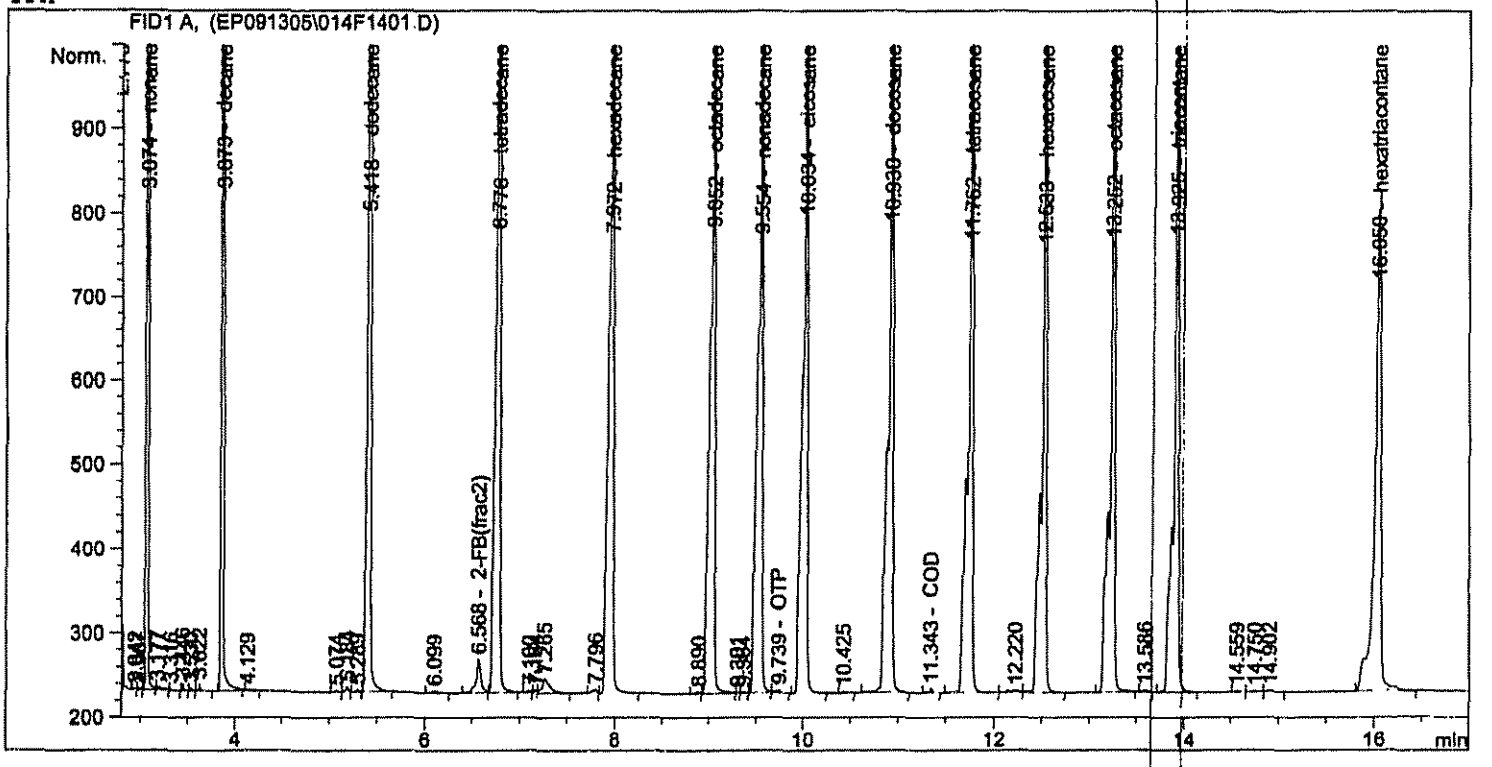
Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

*** End of Report ***

Data File C:\HPCHEM\1\DATA\EP091305\014F1401.D Sample Name: K 40 ICAL

Injection Date	: 9/13/2005 10:16:55 PM	Seq. Line	: 14
Sample Name	: K 40 ICAL	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	: 9/14/2005 10:35:55 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	9/14/2005 10:34:18 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	3.074	VV	0.0184	2770.20215	0.00336	nonane
2	3.873	VB	0.0220	2751.26465	0.00334	decane
3	5.418	VB	0.0285	2756.64380	0.00335	dodecane
4	6.568	BV	0.0485	142.04463	0.00017	2-FB(frac2)
5	6.776	VV	0.0395	2758.58691	0.00335	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	7.972	VB	0.0454	2758.13306	0.00335	hexadecane
8	9.052	VV	0.0416	2801.58032	0.00340	octadecane
9	9.554	VV	0.0400	2784.38916	0.00338	nonadecane
10	9.739	VB	0.0530	13.30716	1.615e-5	OTP
11	10.034	BB	0.0417	2769.31079	0.00336	eicosane
12	10.930	BB	0.0486	2783.30859	0.00338	docosane

Data File C:\HPCHEM\1\DATA\EP091305\014F1401.D Sample Name: K 40 ICAL

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.343	PP	0.0374	12.04538	1.462e-5	COD
14	11.762	BP	0.0464	2761.28296	0.00335	tetracosane
15	12.533	VB	0.0455	2772.41382	0.00337	hexacosane
16	13.252	BB	0.0428	2768.29150	0.00336	octacosane
17	13.925	BB	0.0425	2755.10449	0.00334	triacontane
18	16.050	BB	0.0639	2594.76294	0.00315	hexatriacontane

Totals : 3.87527e4 4.704e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.553	PV	0.0245	166.23245	0.00020	?
2	0.582	VV	0.0133	532.95380	0.00065	?
3	0.672	VV S	0.0215	3.73316e5	0.45317	?
4	1.729	VV S	0.9919	8.09913e7	98.31613	?
5	1.867	VV S	0.0175	8.34161e5	1.01260	?
6	1.906	VV S	0.0477	1.27029e4	0.01542	?
7	1.956	VV S	0.0155	3883.11450	0.00471	?
8	1.990	VV S	0.0410	1.09855e4	0.01334	?
9	2.034	VV S	0.0353	1.01140e4	0.01228	?
10	2.073	VV S	0.0420	1.05562e4	0.01281	?
11	2.140	VV S	0.0505	1.10791e4	0.01345	?
12	2.201	VV S	0.0402	9668.48535	0.01174	?
13	2.241	VV S	0.0402	8568.67285	0.01040	?
14	2.295	VV S	0.0457	9773.16699	0.01186	?
15	2.366	VV S	0.0473	8957.23926	0.01087	?
16	2.420	VV S	0.0687	1.24060e4	0.01506	?
17	2.506	VV S	0.0670	1.03194e4	0.01253	?
18	2.569	VV S	0.0392	6643.48193	0.00806	?
19	2.615	VV S	0.0473	8226.65820	0.00999	?
20	2.691	VV S	0.0394	2972.47461	0.00361	?
21	2.737	VV S	0.0344	2217.32373	0.00269	?
22	2.778	VBAS	0.0196	852.11340	0.00103	?
23	2.942	VV	0.0289	1.89276	2.298e-6	?
24	2.987	VP	0.0239	3.23653	3.929e-6	?
25	3.177	VV	0.0549	15.17338	1.842e-5	?
26	3.316	VV	0.0268	4.42766	5.375e-6	?
27	3.446	VV	0.0180	9.62438	1.168e-5	?
28	3.530	VV	0.0275	5.88296	7.141e-6	?
29	3.622	VP	0.0204	10.28832	1.249e-5	?
30	4.129	BB	0.0714	11.21073	1.361e-5	?
31	5.074	PV	0.0278	3.71752	4.513e-6	?
32	5.184	VP	0.0276	11.44812	1.390e-5	?
33	5.289	VV	0.0376	6.88476	8.357e-6	?
34	6.099	PB	0.0613	9.94378	1.207e-5	?
35	7.100	VV	0.0527	10.18524	1.236e-5	?
36	7.164	VV	0.0342	8.75871	1.063e-5	?
37	7.265	VB	0.0784	100.17563	0.00012	?
38	7.796	VV	0.0414	14.07088	1.708e-5	?
39	8.890	VV	0.0436	5.67787	6.892e-6	?
40	9.301	VV	0.0326	2.57366	3.124e-6	?
41	9.364	VV	0.0507	4.79672	5.823e-6	?
42	10.425	PB	0.0550	5.82010	7.065e-6	?
43	12.220	BV	0.1112	19.03223	2.310e-5	?
44	13.586	BB	0.0472	8.95927	1.088e-5	?
45	14.559	BP	0.0364	3.76266	4.568e-6	?
46	14.750	BV	0.0623	6.07752	7.378e-6	?
47	14.902	VB	0.0613	8.22431	9.984e-6	?

Uncalib. totals : 8.23397e7 99.9530

Results obtained with enhanced integrator!
2 Warnings or Errors :

GC6 9/14/2005 10:36:02 AM DCS

Data File C:\HPCHEM\1\DATA\EP091305\014F1401.D Sample Name: K 40 ICAL

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

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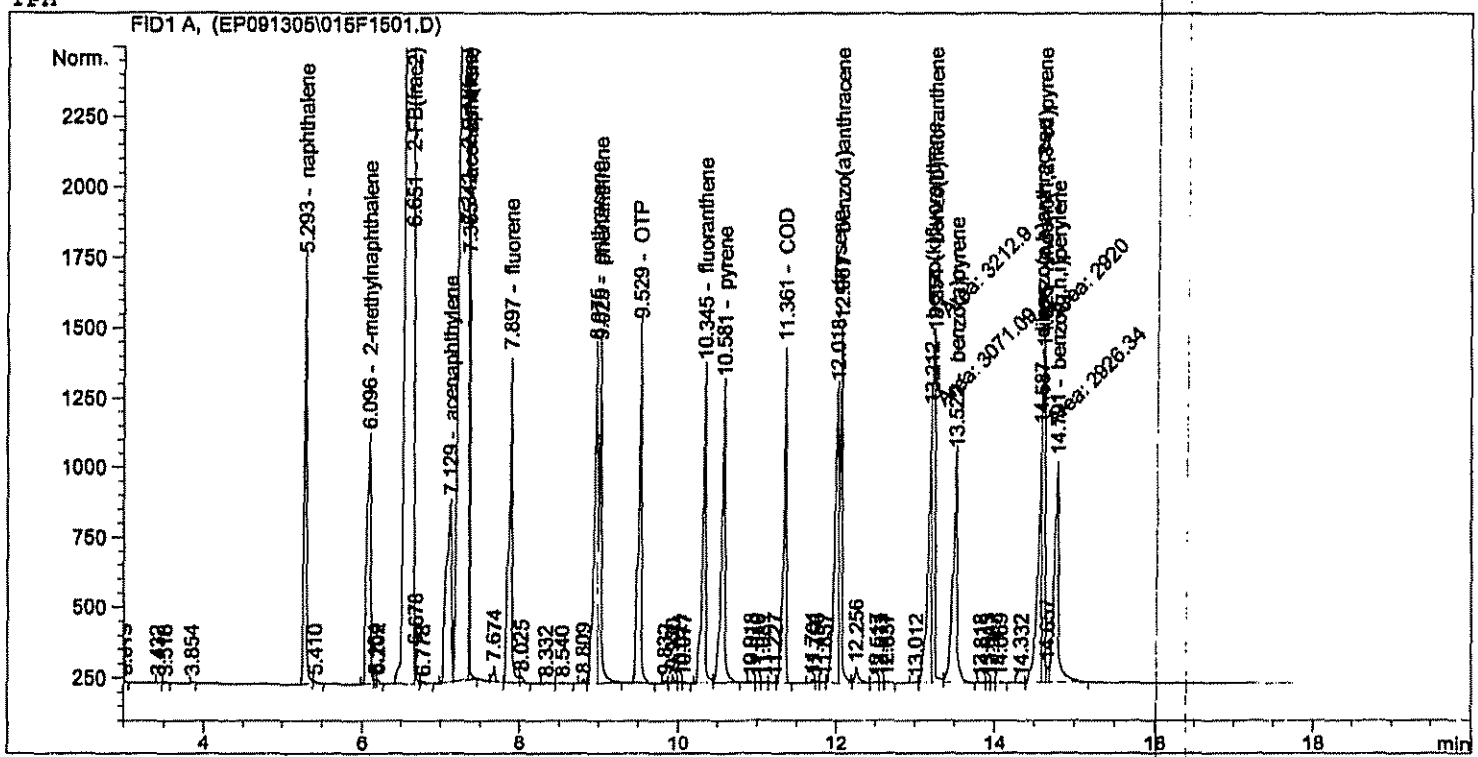
*** End of Report ***

Data File C:\HPCHEM\1\DATA\EP091305\015F1501.D Sample Name: R 40 ICAL

Injection Date	: 9/13/2005 10:43:24 PM	Seq. Line :	15
Sample Name	: R 40 ICAL	Location :	Vial 15
Acq. Operator	: DCS	Inj :	1
Acq. Instrument	: GC6	Inj Volume :	10 µl
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 5/12/2005 1:48:41 PM by CLP		
Analysis Method	: C:\HPCHEM\1\METHODS\EPH-R_F.M		
Last changed	: 9/14/2005 11:05:43 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 9/14/2005 11:06:10 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	5.293	BV	0.0327	3218.33984	0.00430	naphthalene
2	6.096	PV	0.0448	3036.23071	0.00406	2-methylnaphthalene
3	6.651	PV	0.0615	3.81709e4	0.05104	2-FB(frac2)
4	7.129	PV	0.0619	3045.70337	0.00407	acenaphthylene
5	7.342	VV	0.0664	2.99060e4	0.03999	2-BrN(frac)
6	7.365	VB	0.0123	1965.57556	0.00263	acenaphthene
7	7.897	VV	0.0344	3059.15283	0.00409	fluorene
8	8.975	VV	0.0379	3516.91821	0.00470	anthracene
9	9.025	VB	0.0282	2502.35107	0.00335	phenanthrene
10	9.529	PB	0.0345	3362.22412	0.00450	OTP
11	10.345	PV	0.0353	3051.58252	0.00408	fluoranthene
12	10.581	VB	0.0406	3206.38745	0.00429	pyrene

Data File C:\HPCHEM\1\DATA\EP091305\015F1501.D Sample Name: R 40 ICAL

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.361	VB	0.0339	2885.50635	0.00386	COD
14	12.018	VV	0.0492	3671.32007	0.00491	chrysene
15	12.067	VV	0.0268	2452.76855	0.00328	benzo(a)anthracene
16	13.212	MF	0.0522	3071.09106	0.00411	benzo(k)fluoranthene
17	13.254	FM	0.0413	3212.90332	0.00430	benzo(b)fluoranthene
18	13.522	VB	0.0461	2971.76123	0.00397	benzo(a)pyrene
19	14.587	MF	0.0537	2926.33838	0.00391	dibenzo(a,h)anthracene
20	14.625	FM	0.0376	2919.99927	0.00390	indeno(1,2,3-cd)pyrene
21	14.791	VB	0.0485	3098.57959	0.00414	benzo(g,h,i)perylene

Totals : 1.25252e5 0.1675

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.530	PV	6.33e-3	5.05124	6.754e-6	?
2	0.694	VV S	0.0447	1.82829e6	2.44467	?
3	0.908	VV S	0.1852	1.17735e7	15.74284	?
4	1.670	VV S	0.7471	6.01430e7	80.41941	?
5	1.771	VV S	0.0173	7.65295e5	1.02330	?
6	1.836	VV S	0.0718	2.36431e4	0.03161	?
7	1.882	VV S	0.0260	6458.63672	0.00864	?
8	1.917	VV S	0.0387	9025.77051	0.01207	?
9	1.968	VV S	0.0687	1.49420e4	0.01998	?
10	2.056	VV S	0.0418	9753.06738	0.01304	?
11	2.105	VV S	0.0434	9561.51465	0.01279	?
12	2.154	VV S	0.0344	7577.06836	0.01013	?
13	2.199	VV S	0.0329	6760.24219	0.00904	?
14	2.237	VV S	0.0377	7082.49072	0.00947	?
15	2.298	VV S	0.0883	1.37297e4	0.01836	?
16	2.380	VV S	0.0368	6503.58203	0.00870	?
17	2.438	VV S	0.0402	6234.69873	0.00834	?
18	2.487	VV S	0.0444	6936.98535	0.00928	?
19	2.533	VV S	0.0444	6288.90479	0.00841	?
20	2.597	VV S	0.0383	5559.17773	0.00743	?
21	2.629	VV S	0.0294	3533.76172	0.00473	?
22	2.666	VV S	0.0513	4391.91113	0.00587	?
23	2.754	VB S	0.0402	2194.34692	0.00293	?
24	2.951	PV	0.0274	2.98904	3.997e-6	?
25	3.019	VB	0.0208	7.66393	1.025e-5	?
26	3.432	PB	0.0263	5.35384	7.159e-6	?
27	3.518	BB	0.0306	7.02292	9.391e-6	?
28	3.854	PB	0.0286	7.84118	1.048e-5	?
29	5.410	VB	0.0443	31.20410	4.172e-5	?
30	6.164	VV	0.0334	26.86988	3.593e-5	?
31	6.202	VB	0.0330	26.47794	3.540e-5	?
32	6.678	VV	0.0158	132.50288	0.00018	?
33	6.778	VB	0.0623	27.65050	3.697e-5	?
34	7.674	BP	0.0328	127.06141	0.00017	?
35	8.025	VB	0.0377	55.16701	7.377e-5	?
36	8.332	PB	0.0504	11.49098	1.537e-5	?
37	8.540	BP	0.0486	10.72014	1.433e-5	?
38	8.809	BP	0.0341	32.81258	4.387e-5	?
39	9.832	BV	0.0304	19.24318	2.573e-5	?
40	9.930	VV	0.0338	71.21533	9.522e-5	?
41	10.021	VV	0.0396	15.43179	2.063e-5	?
42	10.077	VP	0.0283	9.32078	1.246e-5	?
43	10.918	BP	0.0250	7.59515	1.016e-5	?
44	11.010	BV	0.0350	3.17182	4.241e-6	?
45	11.081	VV	0.0449	10.55794	1.412e-5	?
46	11.227	VV	0.0411	18.17547	2.430e-5	?
47	11.701	BV	0.0343	27.81410	3.719e-5	?
48	11.755	VV	0.0323	10.24028	1.369e-5	?
49	11.857	VV	0.0501	16.20043	2.166e-5	?

Data File C:\HPCHEM\1\DATA\EP091305\015F1501.D Sample Name: R 40 ICAL

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
50	12.256	VB	0.0481	196.53474	0.00026	?
51	12.517	BV	0.0401	14.17933	1.896e-5	?
52	12.573	VV	0.0331	4.43440	5.929e-6	?
53	12.637	VP	0.0328	9.66215	1.292e-5	?
54	13.012	BV	0.0578	11.37710	1.521e-5	?
55	13.818	PB	0.0445	6.17779	8.261e-6	?
56	13.913	BV	0.0280	7.18398	9.606e-6	?
57	13.967	VP	0.0265	2.71332	3.628e-6	?
58	14.069	VP	0.0283	5.28193	7.063e-6	?
59	14.332	BV	0.0405	11.96036	1.599e-5	?
60	14.657	VV	0.0296	118.11123	0.00016	?
Uncalib. totals :				7.46614e7	99.8325	

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Elution order of calibrated compounds may have changed

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*** End of Report ***

EPH CVS Raw Data

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 09/13/05

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	3.80	Calibration Factor
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	3.8	Calibration Factor
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	7.9	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 12/12/05

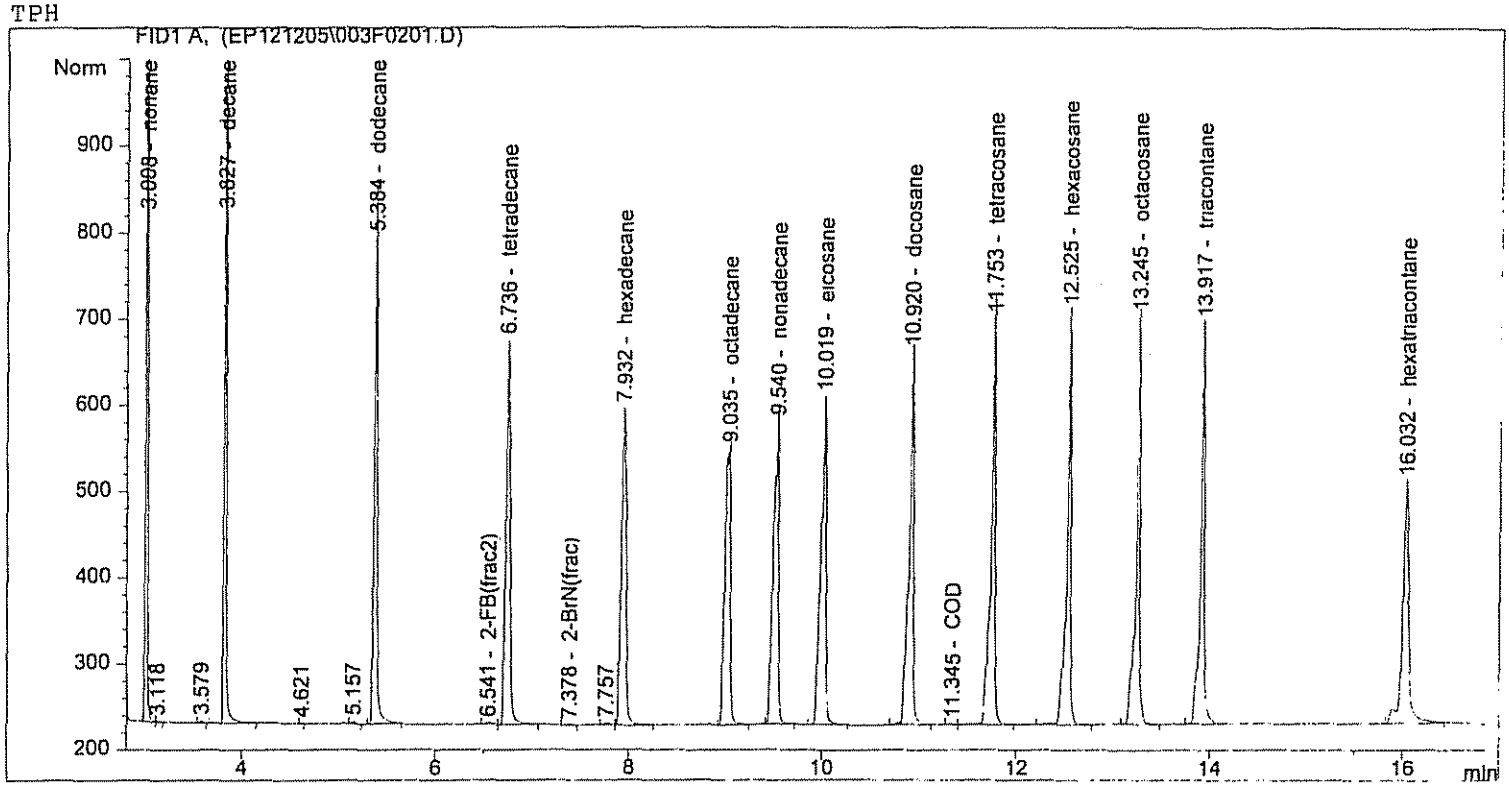
Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	0.9
C_{19}-C_{36} Aliphatics	160	-2.8
C_{11}-C_{22} Aromatics	340	-0.3

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	: 12/12/2005 9:52:06 AM	Seq. Line :	2
Sample Name	: K 20 ccal	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	: 11/1/2005 9:57:56 AM by DCS		
Analysis Method	: C:\HPCHEM\1\METHODS\EPHTK_F.M		
Last changed	: 12/12/2005 10:49:09 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	12/12/2005 10:49:09 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	3.008	VV	0.0208	1370.35132	0.00185	nonane
2	3.827	PV	0.0230	1344.73865	0.00182	decane
3	5.384	PB	0.0321	1341.97961	0.00181	dodecane
4	6.541	VP	0.0440	6.71122	9.063e-6	2-FB(frac2)
5	6.736	VB	0.0450	1339.61279	0.00181	tetradecane
6	7.378	BP	0.0540	5.27667	7.126e-6	2-BrN(frac)
7	7.932	VB	0.0508	1349.38696	0.00182	hexadecane
8	9.035	VB	0.0545	1361.98889	0.00184	octadecane
9	9.539		0.0000	0.00000	0.00000	OTP
10	9.540	VB	0.0498	1349.86902	0.00182	nonadecane
11	10.019	PB	0.0476	1355.36169	0.00183	eicosane
12	10.920	BB	0.0465	1355.34583	0.00183	docosane

ıta File C:\HPCHEM\1\DATA\EP121205\003F0201.D Sample Name: K 20 ccal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.345	BP	0.0406	3.05829	4.130e-6	COD
14	11.753	VB	0.0433	1349.21106	0.00182	tetracosane
15	12.525	VP	0.0429	1357.51929	0.00183	hexacosane
16	13.245	BP	0.0430	1341.10498	0.00181	octacosane
17	13.917	BB	0.0434	1334.99341	0.00180	triacontane
18	16.032	BB	0.0662	1255.15820	0.00169	hexatriacontane

Totals : 1.88217e4 2.542e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.521	PV	0.0137	63.97283	8.639e-5	?
2	0.575	VV	0.0369	80.67917	0.00011	?
3	1.724	VBAS	0.9432	7.38814e7	99.76805	?
4	1.846	BV T	0.0539	1.98015e4	0.02674	?
5	1.882	VV T	0.0229	7699.43701	0.01040	?
6	1.930	VV T	0.0407	1.35360e4	0.01828	?
7	1.981	VV T	0.0272	8936.62793	0.01207	?
8	2.019	VV T	0.0290	6674.71631	0.00901	?
9	2.055	VV T	0.0277	6643.15576	0.00897	?
10	2.091	VV T	0.0317	9153.19922	0.01236	?
11	2.144	VV T	0.0280	8012.79102	0.01082	?
12	2.189	VV T	0.0837	1.89949e4	0.02565	?
13	2.315	VV T	0.0300	7947.96826	0.01073	?
14	2.354	VV T	0.0207	4079.38232	0.00551	?
15	2.382	VV T	0.0254	5754.24609	0.00777	?
16	2.423	VV T	0.0277	5913.45850	0.00799	?
17	2.470	VV T	0.0295	5334.50195	0.00720	?
18	2.520	VV T	0.0311	6031.40137	0.00814	?
19	2.560	VV T	0.0316	4968.24756	0.00671	?
20	2.601	VV T	0.0372	6930.82275	0.00936	?
21	2.659	VV T	0.0219	2185.16577	0.00295	?
22	2.696	VV T	0.0272	1943.57361	0.00262	?
23	2.739	VBAT	0.0390	2230.79443	0.00301	?
24	3.118	VV	0.0406	4.85406	6.555e-6	?
25	3.579	VB	0.0221	4.44797	6.006e-6	?
26	4.621	VP	0.0270	2.18677	2.953e-6	?
27	5.157	VP	0.0298	6.05369	8.175e-6	?
28	7.757	VP	0.0558	9.66874	1.306e-5	?

Uncalib. totals : 7.40343e7 99.9746

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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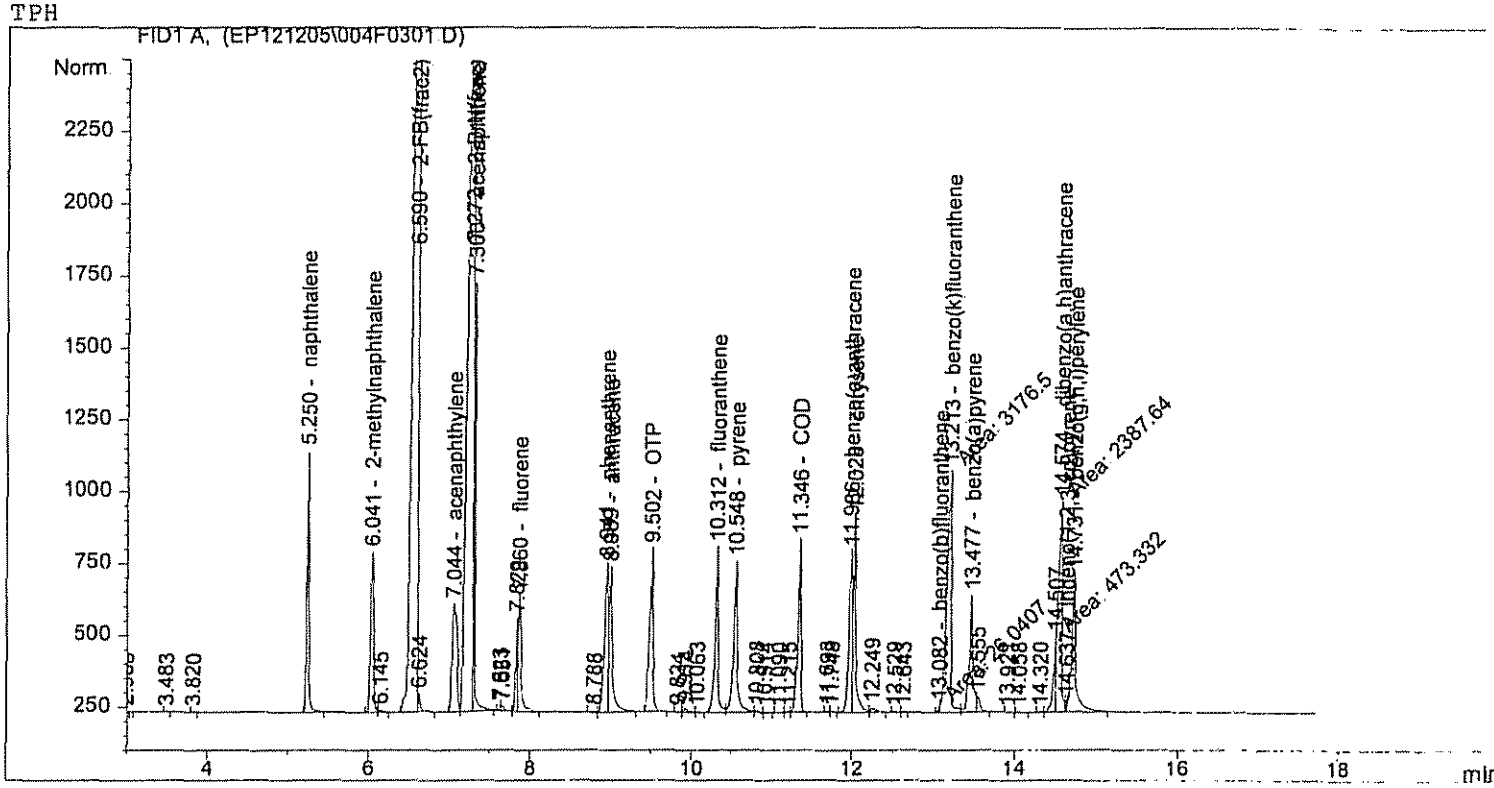
*** End of Report ***

Injection Date	: 12/12/2005 10:18:28 AM	Seq. Line :	3
Sample Name	: R 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	: 11/1/2005 9:57:56 AM by DCS		
Analysis Method	: C:\HPCHEM\1\METHODS\EPH-R_F.M		
Last changed	: 12/12/2005 10:48:14 AM by DCS (modified after loading)		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	12/12/2005 10:48:16 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	5.250	PB	0.0306	1685.43872	0.00237	naphthalene
2	6.041	BV	0.0448	1575.63782	0.00222	2-methylnaphthalene
3	6.590	PV	0.0454	1.94376e4	0.02739	2-FB(frac2)
4	7.044	PV	0.0593	1592.69788	0.00224	acenaphthylene
5	7.272	VV	0.0529	1.48608e4	0.02094	2-BrN(frac)
6	7.300	VB	0.0163	1573.37109	0.00222	acenaphthene
7	7.860	VB	0.0396	1097.22278	0.00155	fluorene
8	8.941	VV	0.0438	1639.93774	0.00231	phenanthrene
9	8.989	VB	0.0391	1436.08203	0.00202	anthracene
10	9.502	PB	0.0416	1733.90930	0.00244	OTP
11	10.312	BV	0.0375	1558.30786	0.00220	fluoranthene
12	10.548	VV	0.0429	1710.17761	0.00241	pyrene

ıta File C:\HPCHEM\1\DATA\EP121205\004F0301.D Sample Name: R 20 ccal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.346	VB	0.0360	1495.59326	0.00211	COD
14	11.986	BV	0.0429	1583.33875	0.00223	benzo(a)anthracene
15	12.028	VV	0.0323	1542.20007	0.00217	chrysene
16	13.082	MF	0.0189	26.04072	3.669e-5	benzo(b)fluoranthene
17	13.213	FM	0.0625	3176.49878	0.00448	benzo(k)fluoranthene
18	13.477	VV	0.0440	1357.14160	0.00191	benzo(a)pyrene
19	14.574	FM	0.0542	2387.64258	0.00336	dibenzo(a,h)anthracene
20	14.637	VV	0.0212	53.68840	7.564e-5	indeno(1,2,3-cd)pyrene
21	14.731	VB	0.0449	1677.31580	0.00236	benzo(g,h,i)perylene

Totals : 6.32006e4 8.904e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	1.711	BB S	0.9088	7.07544e7	99.68771	?
2	1.827	BV T	0.0619	2.46499e4	0.03473	?
3	1.864	VV T	0.0319	7491.34766	0.01055	?
4	1.901	VV T	0.0231	7278.57910	0.01025	?
5	1.944	VV T	0.0339	1.00637e4	0.01418	?
6	1.979	VV T	0.0204	4994.46191	0.00704	?
7	2.025	VV T	0.0383	9946.29297	0.01401	?
8	2.086	VV T	0.0362	1.04883e4	0.01478	?
9	2.137	VV T	0.0613	1.52080e4	0.02143	?
10	2.244	VV T	0.0467	1.14125e4	0.01608	?
11	2.288	VV T	0.0328	6815.03027	0.00960	?
12	2.339	VV T	0.0326	6284.77539	0.00885	?
13	2.381	VV T	0.0396	5988.04443	0.00844	?
14	2.420	VV T	0.0310	6021.69629	0.00848	?
15	2.463	VV T	0.0223	3995.79932	0.00563	?
16	2.500	VV T	0.0633	8508.62109	0.01199	?
17	2.570	VV T	0.0341	5759.22217	0.00811	?
18	2.617	VV T	0.0390	5783.87939	0.00815	?
19	2.666	VV T	0.0294	3199.22339	0.00451	?
20	2.731	VV T	0.0346	2202.56592	0.00310	?
21	2.769	VV T	0.0198	715.55280	0.00101	?
22	2.802	VV T	0.0186	62.98865	8.875e-5	?
23	2.920	VV T	0.0337	3.67982	5.185e-6	?
24	2.988	VB T	0.0243	4.13979	5.833e-6	?
25	3.483	PB	0.0290	2.05466	2.895e-6	?
26	3.820	BB	0.0320	3.77735	5.322e-6	?
27	6.145	VB	0.0467	27.80413	3.917e-5	?
28	6.624	VB	0.0266	121.97364	0.00017	?
29	7.623	BV	0.0255	26.96015	3.798e-5	?
30	7.651	VP	0.0317	35.49122	5.000e-5	?
31	7.829	VV	0.0244	512.80975	0.00072	?
32	8.788	PP	0.0400	14.10352	1.987e-5	?
33	9.824	PV	0.0407	10.98978	1.548e-5	?
34	9.914	VV	0.0506	52.11833	7.343e-5	?
35	10.063	VB	0.0371	6.36038	8.961e-6	?
36	10.808	VV	0.0514	19.95961	2.812e-5	?
37	10.914	VB	0.0255	4.36662	6.152e-6	?
38	11.090	PB	0.0330	2.54675	3.588e-6	?
39	11.215	BV	0.0403	4.77114	6.722e-6	?
40	11.693	BV	0.0295	9.99037	1.408e-5	?
41	11.748	VB	0.0359	4.17167	5.878e-6	?
42	12.249	VB	0.0640	73.67850	0.00010	?
43	12.529	PB	0.0438	5.57989	7.862e-6	?
44	12.643	BB	0.0272	3.53191	4.976e-6	?
45	13.555	VB	0.0409	146.64005	0.00021	?
46	13.921	VP	0.0395	5.75367	8.106e-6	?
47	14.058	BB	0.0289	2.41823	3.407e-6	?
48	14.320	BV	0.0384	4.31555	6.080e-6	?

ıta File C:\HPCHEM\1\DATA\EP121205\004F0301.D Sample Name: R 20 ccal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
49	14.507	MF	0.0301	473.33218	0.00067	?

Uncalib. totals : 7.09129e7 99.9110

Results obtained with enhanced integrator!
1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

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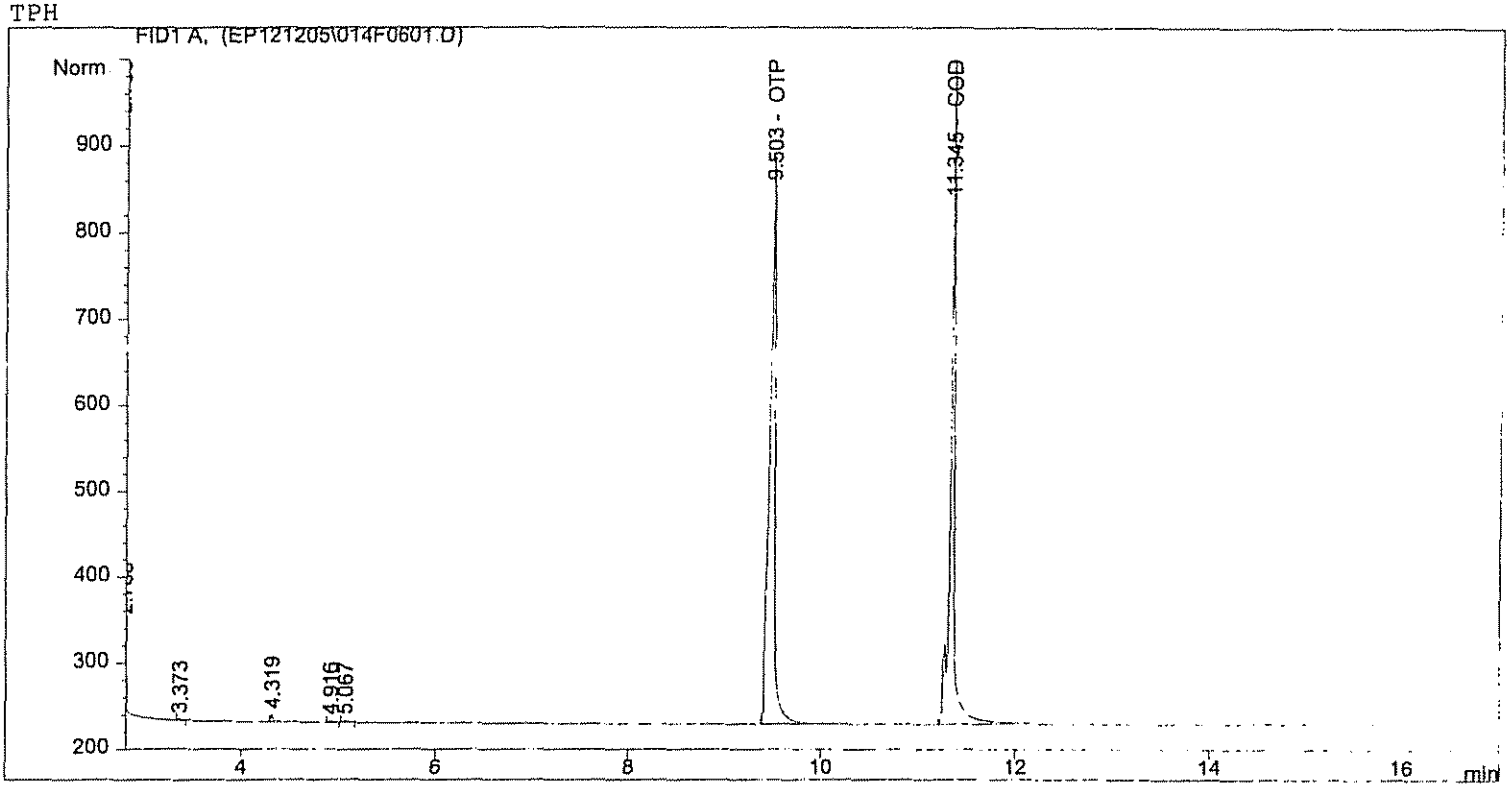
*** End of Report ***

EPH QC, Blanks Raw Data

ıta File C:\HPCHEM\1\DATA\EP121205\014F0601.D Sample Name: pb4147 x1 T

Injection Date	: 12/12/2005 4:00:25 PM	Seq. Line	: 6
Sample Name	: pb4147 x1 T	Location	: Vial 14
Acq. Operator	: DCS	Inj	: 1
Acq. Instrument	: GC6	Inj Volume	: 10 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\121205.S		
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 11/1/2005 9:57:56 AM by DCS		
Analysis Method	: C:\HPCHEM\1\METHODS\EPHTK_F.M		
Last changed	: 12/9/2005 2:19:42 PM by DCS		

TPH



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 12/9/2005 2:19:28 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	3.007		0.0000	0.00000	0.00000	nonane
2	3.872		0.0000	0.00000	0.00000	decane
3	5.410		0.0000	0.00000	0.00000	dodecane
4	6.610		0.0000	0.00000	0.00000	2-FB(frac2)
5	6.787		0.0000	0.00000	0.00000	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	7.966		0.0000	0.00000	0.00000	hexadecane
8	9.080		0.0000	0.00000	0.00000	octadecane
9	9.503	BB	0.0549	2608.51636	0.00334	OTP
10	9.543		0.0000	0.00000	0.00000	nonadecane
11	10.154		0.0000	0.00000	0.00000	eicosane
12	11.057		0.0000	0.00000	0.00000	docosane

ıta File C:\HPCHEM\1\DATA\EP121205\014F0601.D Sample Name: pb414⁷ x1 T

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.345	BB	0.0450	2183.93140	0.00279	COD
14	11.779		0.0000	0.00000	0.00000	tetracosane
15	12.525		0.0000	0.00000	0.00000	hexacosane
16	13.242		0.0000	0.00000	0.00000	octacosane
17	13.914		0.0000	0.00000	0.00000	triacontane
18	16.100		0.0000	0.00000	0.00000	hexatriacontane

Totals : 4792.44775 6.131e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.534	PV	0.0254	42.31224	5.413e-5	?
2	0.642	VV S	9.70e-3	4.79606e4	0.06135	?
3	1.785	VV S	0.9666	7.71603e7	98.70676	?
4	1.831	VV S	0.0169	8.10880e5	1.03731	?
5	1.891	VV S	0.1454	3.84316e4	0.04916	?
6	2.052	VV S	0.0625	1.38627e4	0.01773	?
7	2.101	VV S	0.0418	9840.98926	0.01259	?
8	2.164	VV S	0.2065	3.80747e4	0.04871	?
9	2.413	VV S	0.1141	1.76554e4	0.02259	?
10	2.490	VV S	0.0376	5830.18506	0.00746	?
11	2.528	VV S	0.0218	3358.41211	0.00430	?
12	2.566	VV S	0.0334	6075.75000	0.00777	?
13	2.602	VV S	0.0687	1.08651e4	0.01390	?
14	2.724	VV S	0.0297	1772.99463	0.00227	?
15	2.756	VBAS	0.0243	1430.70093	0.00183	?
16	2.788	BBAX	0.0152	40.33885	5.160e-5	?
17	3.373	BP	0.0224	3.03527	3.883e-6	?
18	4.319	BP	0.0250	14.01386	1.793e-5	?
19	4.916	PB	0.0354	5.39478	6.901e-6	?
20	5.067	BB	0.0368	4.06675	5.202e-6	?

Uncalib. totals : 7.81665e7 99.9939

Results obtained with enhanced integrator!
2 Warnings or Errors :

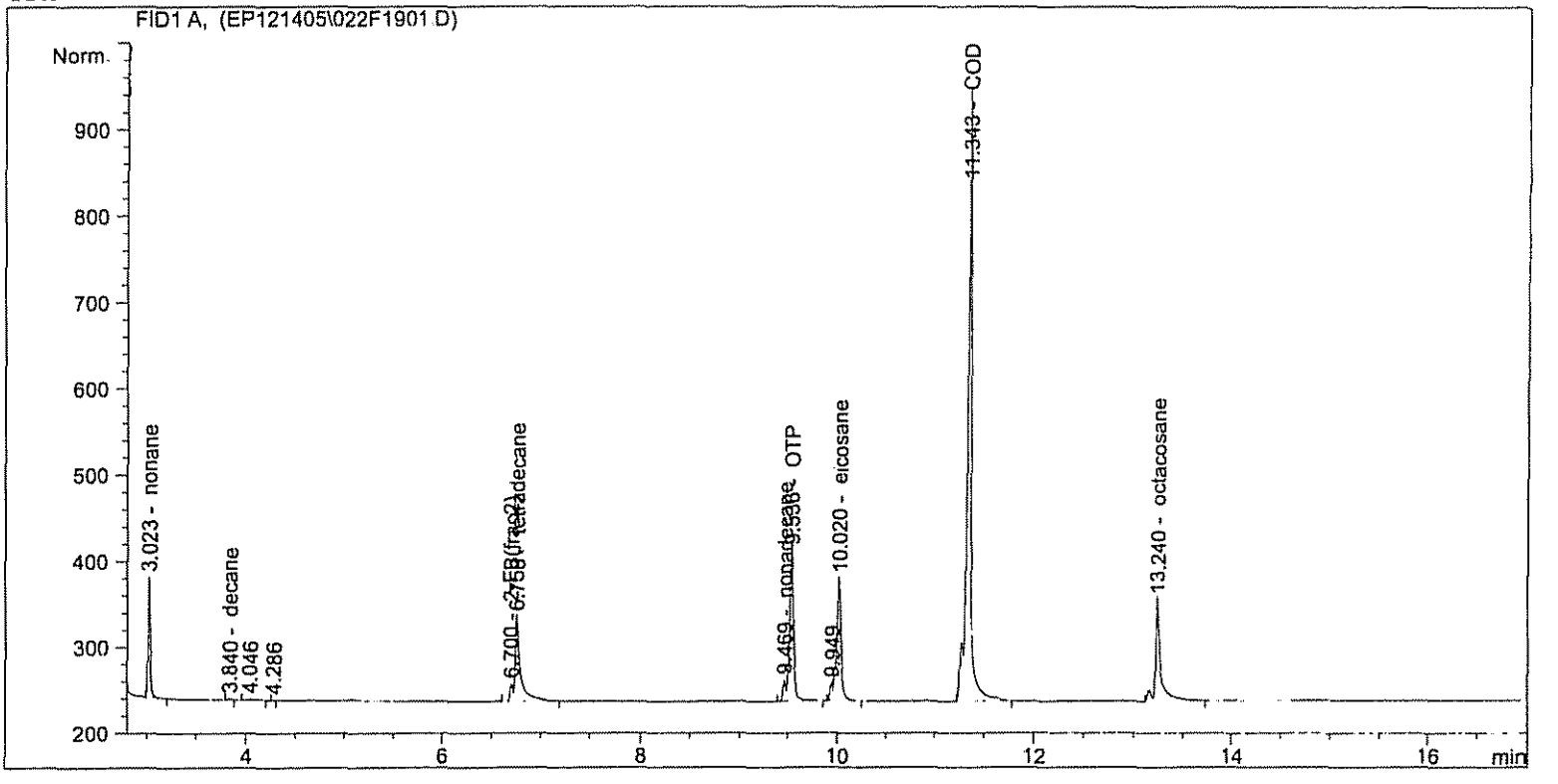
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

:a File C:\HPCHEM\1\DATA\EP121405\022F1901.D Sample Name: lcs4147 x1 K

```
==================================================================
Injection Date  : 12/14/2005 8:21:00 PM          Seq. Line :  19
Sample Name     : lcs4147 x1 K                    Location : Vial 22
Acq. Operator   : DCS                                 Inj :   1
Acq. Instrument : GC6                           Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\121405.S
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 11/1/2005 9:57:56 AM by DCS
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 12/9/2005 2:19:42 PM by DCS
TPH
```




```
==================================================================
                        Area Percent Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      12/9/2005 2:19:28 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	3.023	VB	0.0239	213.97662	0.00028	nonane
2	3.840	VV	0.0401	4.17971	5.382e-6	decane
3	5.410		0.0000	0.00000	0.00000	dodecane
4	6.700	VV	0.0304	39.00965	5.023e-5	2-FB(frac2)
5	6.758	VB	0.0515	368.22711	0.00047	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	7.966		0.0000	0.00000	0.00000	hexadecane
8	9.080		0.0000	0.00000	0.00000	octadecane
9	9.469	BV	0.0308	49.24676	6.341e-5	nonadecane
10	9.536	VB	0.0423	501.99051	0.00065	OTP
11	10.020	VB	0.0478	465.06567	0.00060	eicosane
12	11.057		0.0000	0.00000	0.00000	docosane

:a File C:\HPCHEM\1\DATA\EP121405\022F1901.D Sample Name: lcs4147 x1 K

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.343	BB	0.0477	1978.46362	0.00255	COD
14	11.779		0.0000	0.00000	0.00000	tetracosane
15	12.525		0.0000	0.00000	0.00000	hexacosane
16	13.240	BB	0.0586	474.26877	0.00061	octacosane
17	13.914		0.0000	0.00000	0.00000	triacontane
18	16.100		0.0000	0.00000	0.00000	hexatriacontane

Totals : 4094.42843 5.272e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.533	PV	0.0177	9.08501	1.170e-5	?
2	0.575	VV	0.0118	2.52969	3.257e-6	?
3	1.755	VV S	0.6950	7.66081e7	98.64637	?
4	1.847	VV S	0.0188	9.09015e5	1.17052	?
5	1.904	VV S	0.0423	1.41563e4	0.01823	?
6	1.965	VV S	0.0663	1.63532e4	0.02106	?
7	2.035	VV S	0.0344	9347.39355	0.01204	?
8	2.072	VV S	0.0307	8165.58350	0.01051	?
9	2.115	VV S	0.0425	9938.69629	0.01280	?
10	2.176	VV S	0.0392	8412.81152	0.01083	?
11	2.219	VV S	0.0403	7485.94238	0.00964	?
12	2.280	VV S	0.0550	1.13529e4	0.01462	?
13	2.326	VV S	0.0324	6881.55225	0.00886	?
14	2.395	VV S	0.0579	9263.93848	0.01193	?
15	2.441	VV S	0.0401	6362.19043	0.00819	?
16	2.474	VV S	0.0343	5796.75732	0.00746	?
17	2.521	VV S	0.0308	5636.83398	0.00726	?
18	2.553	VV S	0.0194	2697.04761	0.00347	?
19	2.573	VV S	0.0271	3864.56494	0.00498	?
20	2.605	VV S	0.0691	1.04494e4	0.01346	?
21	2.748	VBAS	0.0330	1886.46826	0.00243	?
22	4.046	VP	0.0606	6.83216	8.798e-6	?
23	4.286	VV	0.0286	2.45791	3.165e-6	?
24	9.949	PV	0.0302	38.75026	4.990e-5	?

Uncalib. totals : 7.76552e7 99.9947

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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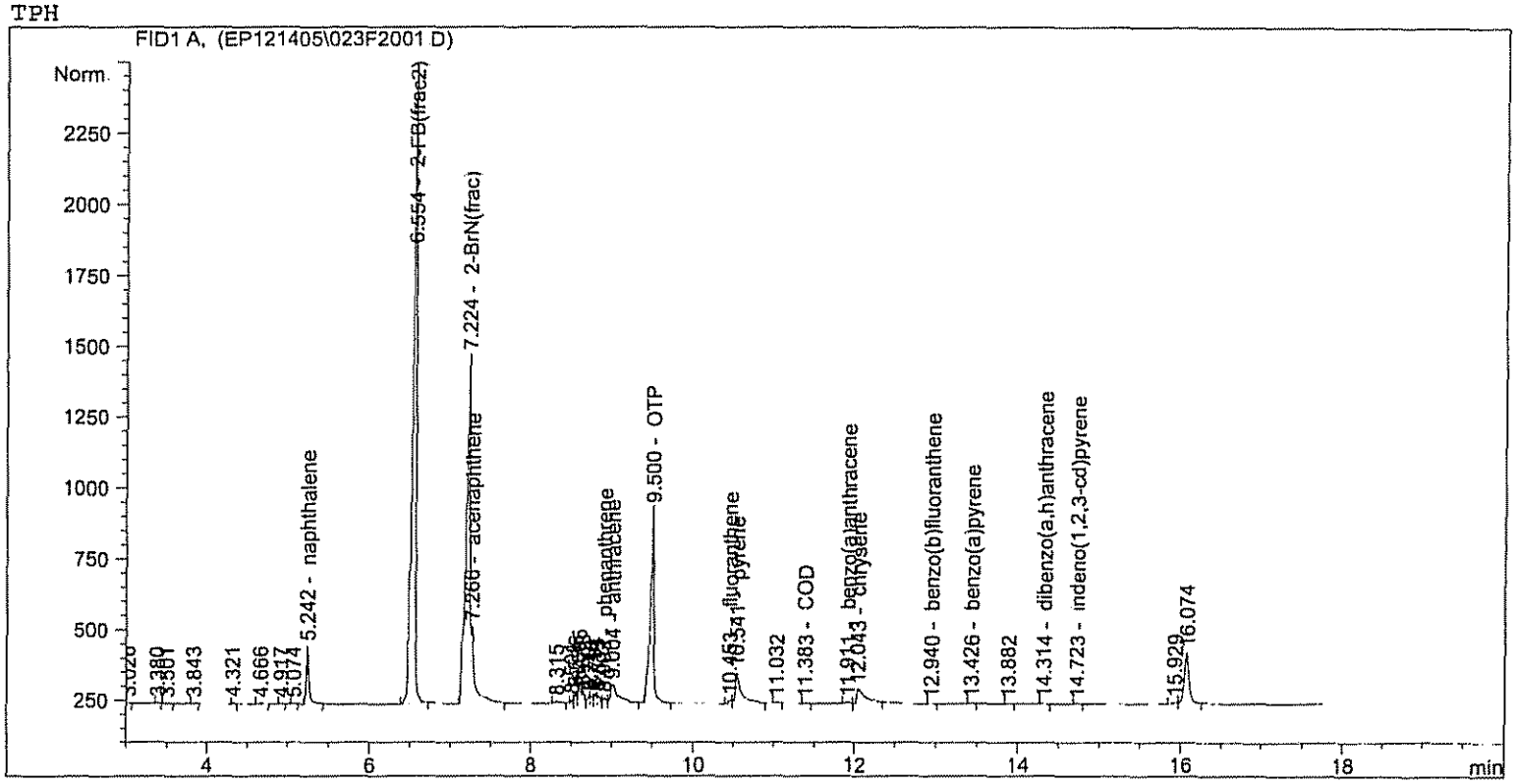
*** End of Report ***

:a File C:\HPCHEM\1\DATA\EP121405\023F2001.D Sample Name: lcs4147 x1 R

```
==================================================================
Injection Date  : 12/14/2005 8:47:24 PM          Seq. Line :  20
Sample Name     : lcs4147 x1 R                    Location : Vial 23
Acq. Operator   : DCS                                 Inj :   1
Acq. Instrument : GC6                           Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\121405.S
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 11/1/2005 9:57:56 AM by DCS
Analysis Method : C:\HPCHEM\1\METHODS\EPH-R_F.M
Last changed    : 12/14/2005 11:43:53 AM by DCS
TPH
```




```
==================================================================
                      Area Percent Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      12/14/2005 11:03:00 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	5.242	BB	0.0330	456.13962	0.00059	naphthalene
2	6.068		0.0000	0.00000	0.00000	2-methylnaphthalene
3	6.554	PB	0.0403	6856.07275	0.00881	2-FB(frac2)
4	7.158		0.0000	0.00000	0.00000	acenaphthylene
5	7.224	BV	0.0454	4356.15967	0.00560	2-BrN(frac)
6	7.266	VB	0.0431	887.09637	0.00114	acenaphthene
7	7.920		0.0000	0.00000	0.00000	fluorene
8	8.903	VV	0.0409	49.70509	6.389e-5	phenanthrene
9	9.004	VB	0.0799	404.08789	0.00052	anthracene
10	9.500	BB	0.0429	2234.63257	0.00287	OTP
11	10.453	PV	0.0436	39.75866	5.111e-5	fluoranthene
12	10.541	VB	0.0698	573.21106	0.00074	pyrene

:a File C:\HPCHEM\1\DATA\EP121405\023F2001.D Sample Name: lcs4147 x1 R

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.383	PP	0.0367	4.17847	5.371e-6	COD
14	11.911	PP	0.0431	14.42225	1.854e-5	benzo(a)anthracene
15	12.043	VB	0.0870	350.02130	0.00045	chrysene
16	12.940	BP	0.0415	3.14950	4.048e-6	benzo(b)fluoranthene
17	13.215		0.0000	0.00000	0.00000	benzo(k)fluoranthene
18	13.426	BB	0.0423	4.12290	5.300e-6	benzo(a)pyrene
19	14.314	BB	0.0447	4.30978	5.540e-6	dibenzo(a,h)anthracene
20	14.723	BB	0.0415	4.58028	5.888e-6	indeno(1,2,3-cd)pyrene
21	14.817		0.0000	0.00000	0.00000	benzo(g,h,i)perylene

Totals : 1.62416e4 2.088e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.534	PV	0.0221	53.09812	6.825e-5	?
2	0.576	VV	0.0144	21.86845	2.811e-5	?
3	1.808	VV S	0.9841	7.67817e7	98.69758	?
4	1.847	VV S	0.0188	8.62594e5	1.10881	?
5	1.905	VV S	0.0304	8563.81348	0.01101	?
6	1.945	VV S	0.0376	8750.12891	0.01125	?
7	1.984	VV S	0.0267	6610.32178	0.00850	?
8	2.041	VV S	0.0523	1.33551e4	0.01717	?
9	2.088	VV S	0.0354	8194.11328	0.01053	?
10	2.120	VV S	0.0297	6184.29248	0.00795	?
11	2.156	VV S	0.0358	8025.59131	0.01032	?
12	2.200	VV S	0.0377	8161.40283	0.01049	?
13	2.258	VV S	0.0358	7351.79932	0.00945	?
14	2.291	VV S	0.0259	4832.44824	0.00621	?
15	2.315	VV S	0.0212	3582.33887	0.00460	?
16	2.350	VV S	0.0338	5866.42187	0.00754	?
17	2.394	VV S	0.0451	8066.76904	0.01037	?
18	2.454	VV S	0.0434	7415.75684	0.00953	?
19	2.491	VV S	0.0389	6081.67920	0.00782	?
20	2.550	VV S	0.0403	6669.39746	0.00857	?
21	2.597	VV S	0.0589	8339.52539	0.01072	?
22	2.660	VV S	0.0415	3714.83911	0.00478	?
23	2.727	VV S	0.0349	1968.37952	0.00253	?
24	2.763	VB S	0.0230	1155.00183	0.00148	?
25	2.796	BB T	0.0167	54.30639	6.981e-5	?
26	3.026	BP	0.0259	2.93215	3.769e-6	?
27	3.380	PP	0.0238	1.69425	2.178e-6	?
28	3.501	BB	0.0466	4.58694	5.896e-6	?
29	3.843	PB	0.0353	4.16009	5.348e-6	?
30	4.321	VB	0.0247	9.34239	1.201e-5	?
31	4.666	PB	0.0525	12.50305	1.607e-5	?
32	4.917	PB	0.0260	1.81624	2.335e-6	?
33	5.074	PB	0.0300	2.53399	3.257e-6	?
34	8.315	PP	0.0408	19.24365	2.474e-5	?
35	8.501	BV	0.0261	18.58525	2.389e-5	?
36	8.546	VV	0.0270	67.25011	8.645e-5	?
37	8.595	VV	0.0309	131.58871	0.00017	?
38	8.638	VV	0.0289	86.45354	0.00011	?
39	8.714	VV	0.0328	49.77845	6.399e-5	?
40	8.746	VV	0.0328	53.44150	6.870e-5	?
41	8.794	VV	0.0276	60.09301	7.725e-5	?
42	8.833	VV	0.0327	52.34156	6.728e-5	?
43	11.032	BP	0.0360	3.17500	4.081e-6	?
44	13.882	BB	0.0460	4.21834	5.422e-6	?
45	15.929	PV	0.0542	21.39992	2.751e-5	?
46	16.074	VB	0.0648	752.98560	0.00097	?

Uncalib. totals : 7.77786e7 99.9791

a File C:\HPCHEM\1\DATA\EP121405\023F2001.D Sample Name: lcs4147 x1 R

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 ***

:a File C:\HPCHEM\1\DATA\EP121405\024F2101.D Sample Name: 187967 x1 ms K

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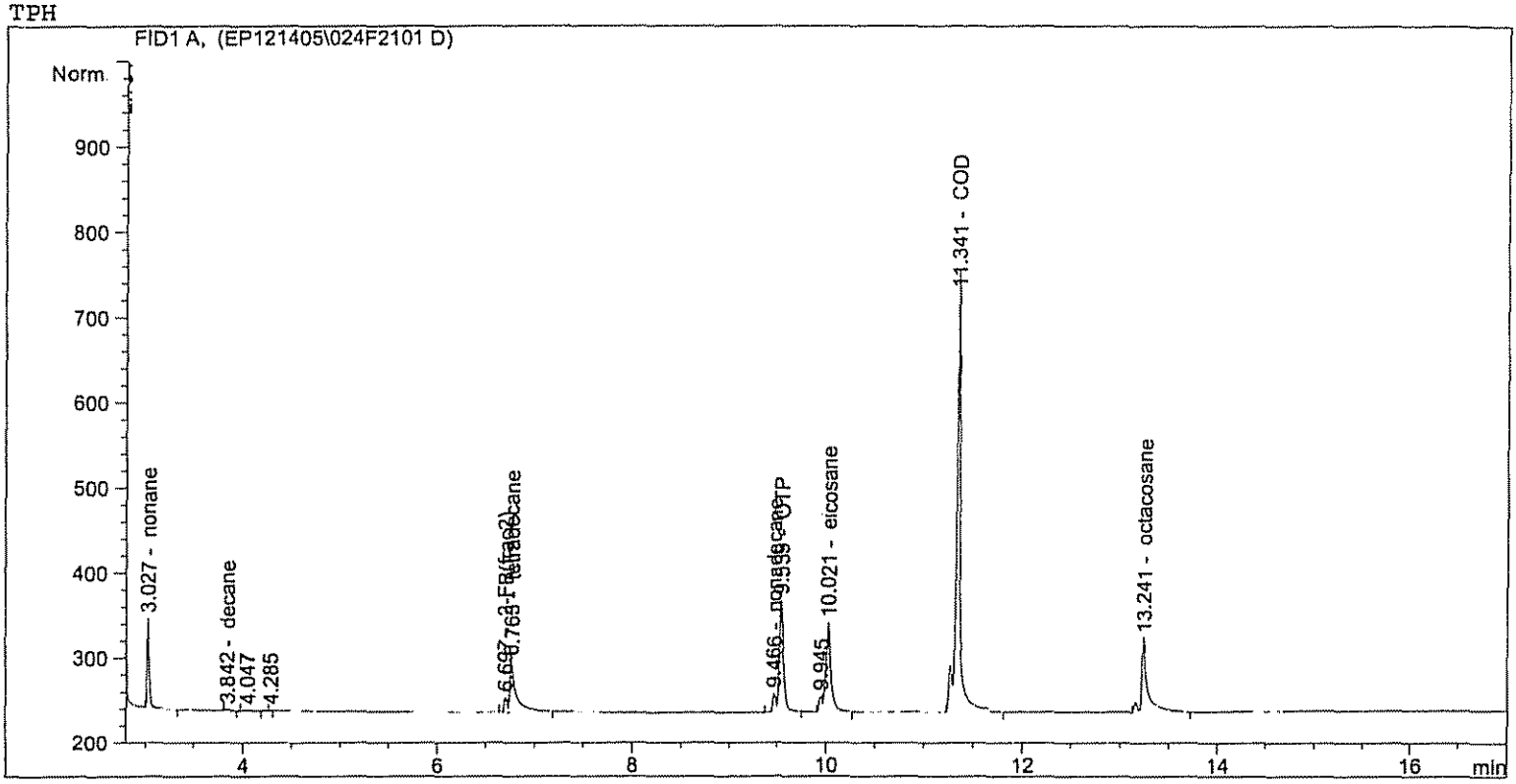
Injection Date : 12/14/2005 9:13:55 PM Seq. Line : 21
Sample Name : 187967 x1 ms K Location : Vial 24
Acq. Operator : DCS 161-2262-3L Inj : 1
Acq. Instrument : GC6 Inj Volume : 10 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\121405.S
Acq. Method : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed : 11/1/2005 9:57:56 AM by DCS
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed : 12/9/2005 2:19:42 PM by DCS
TPH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 12/9/2005 2:19:28 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	3.027	VP	0.0238	160.48218	0.00021	nonane
2	3.842	VB	0.0458	5.36968	6.896e-6	decane
3	5.410		0.0000	0.00000	0.00000	dodecane
4	6.697	VV	0.0342	38.35723	4.926e-5	2-FB(frac2)
5	6.763	VB	0.0615	270.30215	0.00035	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	7.966		0.0000	0.00000	0.00000	hexadecane
8	9.080		0.0000	0.00000	0.00000	octadecane
9	9.466	PV	0.0351	49.39784	6.344e-5	nonadecane
10	9.539	VB	0.0428	381.79886	0.00049	OTP
11	10.021	VP	0.0499	367.53204	0.00047	eicosane
12	11.057		0.0000	0.00000	0.00000	docosane

:a File C:\HPCHEM\1\DATA\EP121405\024F2101.D Sample Name: 187967 x1 ms K

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.341	PB	0.0455	1497.25098	0.00192	COD
14	11.779		0.0000	0.00000	0.00000	tetracosane
15	12.525		0.0000	0.00000	0.00000	hexacosane
16	13.241	BB	0.0614	385.75183	0.00050	octacosane
17	13.914		0.0000	0.00000	0.00000	triacontane
18	16.100		0.0000	0.00000	0.00000	hexatriacontane

Totals : 3156.24279 4.053e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.549	PV	0.0249	18.70495	2.402e-5	?
2	1.826	VV S	0.9797	7.68602e7	98.70801	?
3	1.854	VV S	0.0184	8.72956e5	1.12110	?
4	1.912	VV S	0.0341	9250.08398	0.01188	?
5	1.957	VV S	0.0308	8299.16797	0.01066	?
6	1.986	VV S	0.0438	1.01249e4	0.01300	?
7	2.033	VV S	0.1005	2.02446e4	0.02600	?
8	2.142	VV S	0.0893	1.90379e4	0.02445	?
9	2.286	VV S	0.1249	2.07552e4	0.02665	?
10	2.390	VV S	0.0385	6787.60645	0.00872	?
11	2.440	VV S	0.0412	6851.65479	0.00880	?
12	2.481	VV S	0.0262	4671.53906	0.00600	?
13	2.524	VV S	0.0346	5964.39795	0.00766	?
14	2.571	VV S	0.0369	5261.09961	0.00676	?
15	2.618	VV S	0.0836	1.00038e4	0.01285	?
16	2.733	VV S	0.0283	1508.63000	0.00194	?
17	2.764	VBAS	0.0232	1086.38208	0.00140	?
18	4.047	BP	0.0578	5.61877	7.216e-6	?
19	4.285	VV	0.0263	1.97645	2.538e-6	?
20	9.945	PV	0.0311	38.19800	4.906e-5	?

Uncalib. totals : 7.78631e7 99.9959

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

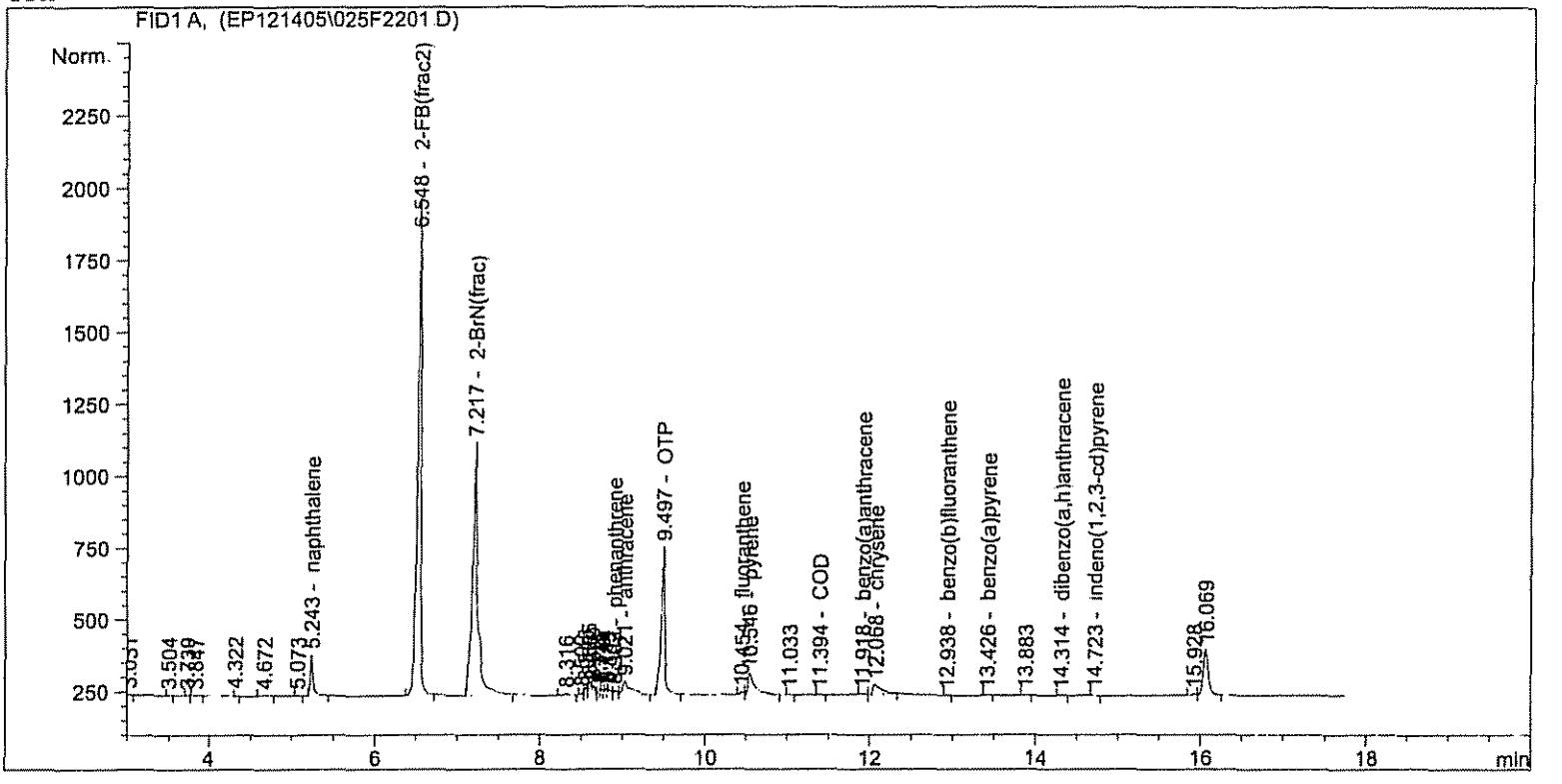
==========

*** End of Report ***

:a File C:\HPCHEM\1\DATA\EP121405\025F2201.D Sample Name: 187967 x1 ms R

Injection Date	: 12/14/2005 9:40:18 PM	Seq. Line :	22
Sample Name	: 187967 x1 ms R	Location :	Vial 25
Acq. Operator	: DCS	Inj :	1
Acq. Instrument	: GC6	Inj Volume :	10 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\121405.S		
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 11/1/2005 9:57:56 AM by DCS		
Analysis Method	: C:\HPCHEM\1\METHODS\EPH-R_F.M		
Last changed	: 12/14/2005 11:43:53 AM by DCS		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	12/14/2005 11:03:00 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	5.243	BB	0.0356	348.27838	0.00045	naphthalene
2	6.068		0.0000	0.00000	0.00000	2-methylnaphthalene
3	6.548	PB	0.0420	5129.86621	0.00657	2-FB(frac2)
4	7.158		0.0000	0.00000	0.00000	acenaphthylene
5	7.217	PB	0.0582	3941.52637	0.00504	2-BrN(frac)
6	7.323		0.0000	0.00000	0.00000	acenaphthene
7	7.920		0.0000	0.00000	0.00000	fluorene
8	8.903	VV	0.0419	39.75748	5.088e-5	phenanthrene
9	9.021	VB	0.0942	307.79025	0.00039	anthracene
10	9.497	BB	0.0459	1764.29150	0.00226	OTP
11	10.454	PV	0.0475	32.31598	4.136e-5	fluoranthene
12	10.546	VB	0.0764	447.00992	0.00057	pyrene

:a File C:\HPCHEM\1\DATA\EP121405\025F2201.D Sample Name: 187967 x1 ms R

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.394	PB	0.0345	3.20961	4.108e-6	COD
14	11.918	BP	0.0436	10.77839	1.379e-5	benzo(a)anthracene
15	12.068	VB	0.0987	256.78976	0.00033	chrysene
16	12.938	BB	0.0354	3.09738	3.964e-6	benzo(b)fluoranthene
17	13.215		0.0000	0.00000	0.00000	benzo(k)fluoranthene
18	13.426	BP	0.0445	5.07634	6.497e-6	benzo(a)pyrene
19	14.314	BB	0.0474	4.83903	6.193e-6	dibenzo(a,h)anthracene
20	14.723	BB	0.0459	4.30004	5.503e-6	indeno(1,2,3-cd)pyrene
21	14.817		0.0000	0.00000	0.00000	benzo(g,h,i)perylene

Totals : 1.22989e4 1.574e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.537	PV	0.0213	44.07022	5.640e-5	?
2	0.576	VV	0.0107	24.93802	3.192e-5	?
3	0.666	VV S	0.0243	4.54186e5	0.58126	?
4	1.823	VV S	0.9804	7.66603e7	98.10843	?
5	1.856	VV S	0.0194	8.93171e5	1.14306	?
6	1.907	PV T	0.0699	2.50648e4	0.03208	?
7	1.955	VV T	0.0285	7641.09814	0.00978	?
8	2.001	VV T	0.0398	6762.71875	0.00865	?
9	2.048	VV T	0.0234	4047.90796	0.00518	?
10	2.090	VV T	0.0207	2015.46155	0.00258	?
11	2.136	VV S	0.0287	9210.38086	0.01179	?
12	2.185	VV S	0.0402	9079.39062	0.01162	?
13	2.242	VV S	0.0419	8594.42383	0.01100	?
14	2.293	VV S	0.0325	6198.87500	0.00793	?
15	2.347	VV S	0.0740	1.09584e4	0.01402	?
16	2.416	VV S	0.0255	3968.58228	0.00508	?
17	2.457	VV S	0.0429	5924.08447	0.00758	?
18	2.502	VV S	0.0267	3955.11328	0.00506	?
19	2.536	VV S	0.0341	4511.05908	0.00577	?
20	2.586	VV S	0.0397	5147.67480	0.00659	?
21	2.636	VV S	0.0271	2363.30664	0.00302	?
22	2.676	VV S	0.0353	1384.48340	0.00177	?
23	2.728	VB S	0.0195	353.79926	0.00045	?
24	3.031	VB	0.0270	3.27803	4.195e-6	?
25	3.504	BB	0.0287	3.16956	4.056e-6	?
26	3.739	PB	0.0318	3.20092	4.096e-6	?
27	3.847	BB	0.0375	4.47932	5.733e-6	?
28	4.322	VB	0.0250	5.33206	6.824e-6	?
29	4.672	PB	0.0577	11.11836	1.423e-5	?
30	5.073	PB	0.0314	4.69281	6.006e-6	?
31	8.316	BB	0.0533	20.04756	2.566e-5	?
32	8.502	BV	0.0250	14.77908	1.891e-5	?
33	8.546	VV	0.0270	48.77597	6.242e-5	?
34	8.595	VV	0.0322	99.28767	0.00013	?
35	8.640	VV	0.0310	63.80571	8.166e-5	?
36	8.715	VV	0.0304	38.28148	4.899e-5	?
37	8.745	VV	0.0318	40.03036	5.123e-5	?
38	8.794	VV	0.0282	43.88394	5.616e-5	?
39	8.833	VV	0.0340	39.44220	5.048e-5	?
40	11.033	BP	0.0362	2.76948	3.544e-6	?
41	13.883	BB	0.0459	4.76534	6.099e-6	?
42	15.928	PV	0.0612	18.08961	2.315e-5	?
43	16.069	VB	0.0643	666.15295	0.00085	?

Uncalib. totals : 7.81260e7 99.9843

Results obtained with enhanced integrator!
2 Warnings or Errors :

:a File C:\HPCHEM\1\DATA\EP121405\025F2201.D Sample Name: 187967 x1 ms R

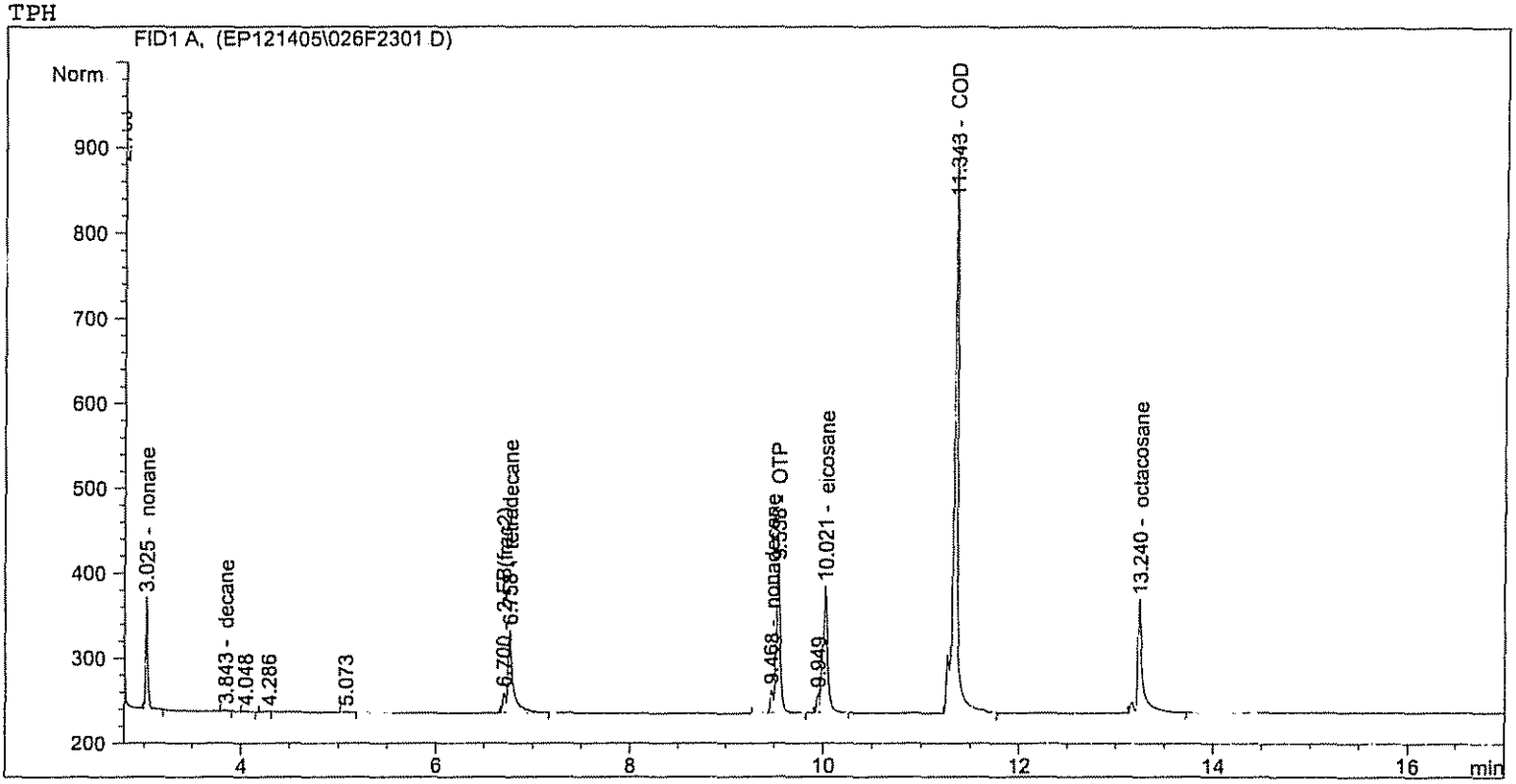
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

a File C:\HPCHEM\1\DATA\EP121405\026F2301.D Sample Name: 187968 x1 msd K

```
==================================================================
Injection Date  : 12/14/2005 10:06:45 PM        Seq. Line :  23
Sample Name     : 187968 x1 msd K                Location : Vial 26
Acq. Operator   : DCS                                Inj :   1
Acq. Instrument : GC6                           Inj Volume : 10 µl
Sequence File   : C:\HPCHEM\1\SEQUENCE\121405.S
Acq. Method     : C:\HPCHEM\1\METHODS\PROEPH.M
Last changed    : 11/1/2005 9:57:56 AM by DCS
Analysis Method : C:\HPCHEM\1\METHODS\EPHTK_F.M
Last changed    : 12/9/2005 2:19:42 PM by DCS
TPH
```




```
==================================================================
                        Area Percent Report
==================================================================

Sorted By              :      Signal
Calib. Data Modified   :      12/9/2005 2:19:28 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	3.025	VV	0.0232	203.10977	0.00026	nonane
2	3.843	VB	0.0379	4.25254	5.496e-6	decane
3	5.410		0.0000	0.00000	0.00000	dodecane
4	6.700	BV	0.0302	45.21397	5.844e-5	2-FB(frac2)
5	6.758	VB	0.0532	369.42856	0.00048	tetradecane
6	7.485		0.0000	0.00000	0.00000	2-BrN(frac)
7	7.966		0.0000	0.00000	0.00000	hexadecane
8	9.080		0.0000	0.00000	0.00000	octadecane
9	9.468	VV	0.0305	55.07413	7.118e-5	nonadecane
10	9.538	VB	0.0441	521.67737	0.00067	OTP
11	10.021	VB	0.0462	486.16245	0.00063	eicosane
12	11.057		0.0000	0.00000	0.00000	docosane

:a File C:\HPCHEM\1\DATA\EP121405\026F2301.D Sample Name: 187968 xl msd K

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.343	BB	0.0455	1927.70300	0.00249	COD
14	11.779		0.0000	0.00000	0.00000	tetracosane
15	12.525		0.0000	0.00000	0.00000	hexacosane
16	13.240	BB	0.0566	509.52203	0.00066	octacosane
17	13.914		0.0000	0.00000	0.00000	triacontane
18	16.100		0.0000	0.00000	0.00000	hexatriacontane

Totals : 4122.14382 5.328e-3

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.064	BP	0.0388	2.90043	3.749e-6	?
2	0.552	PV	0.0246	19.35299	2.501e-5	?
3	0.655	VV S	0.0165	2.11321e5	0.27312	?
4	1.818	VV S	0.9784	7.61429e7	98.41026	?
5	1.848	VP S	0.0187	8.64813e5	1.11772	?
6	1.886	VV S	0.0595	2.09563e4	0.02708	?
7	1.920	VV S	0.0372	9717.71094	0.01256	?
8	1.962	VV S	0.0369	1.02113e4	0.01320	?
9	2.011	VV S	0.0428	1.00522e4	0.01299	?
10	2.064	VV S	0.0422	1.01984e4	0.01318	?
11	2.109	VV S	0.0255	6547.97314	0.00846	?
12	2.151	VV S	0.0353	9782.97070	0.01264	?
13	2.206	VV S	0.0402	8325.28320	0.01076	?
14	2.244	VV S	0.0304	5814.69336	0.00752	?
15	2.282	VV S	0.0510	1.00486e4	0.01299	?
16	2.358	VV S	0.0377	6869.14160	0.00888	?
17	2.422	VV S	0.0680	1.03036e4	0.01332	?
18	2.474	VV S	0.0471	6966.19043	0.00900	?
19	2.518	VV S	0.0563	8485.40918	0.01097	?
20	2.584	VV S	0.0396	6020.07910	0.00778	?
21	2.630	VV S	0.0266	3164.15723	0.00409	?
22	2.667	VV S	0.0426	3611.86914	0.00467	?
23	2.728	VV S	0.0450	1982.97949	0.00256	?
24	2.769	VBAS	0.0187	640.67841	0.00083	?
25	4.048	BP	0.0466	3.76689	4.868e-6	?
26	4.286	VV	0.0355	2.54639	3.291e-6	?
27	5.073	BB	0.0482	3.56764	4.611e-6	?
28	9.949	PV	0.0286	42.01518	5.430e-5	?

Uncalib. totals : 7.73688e7 99.9947

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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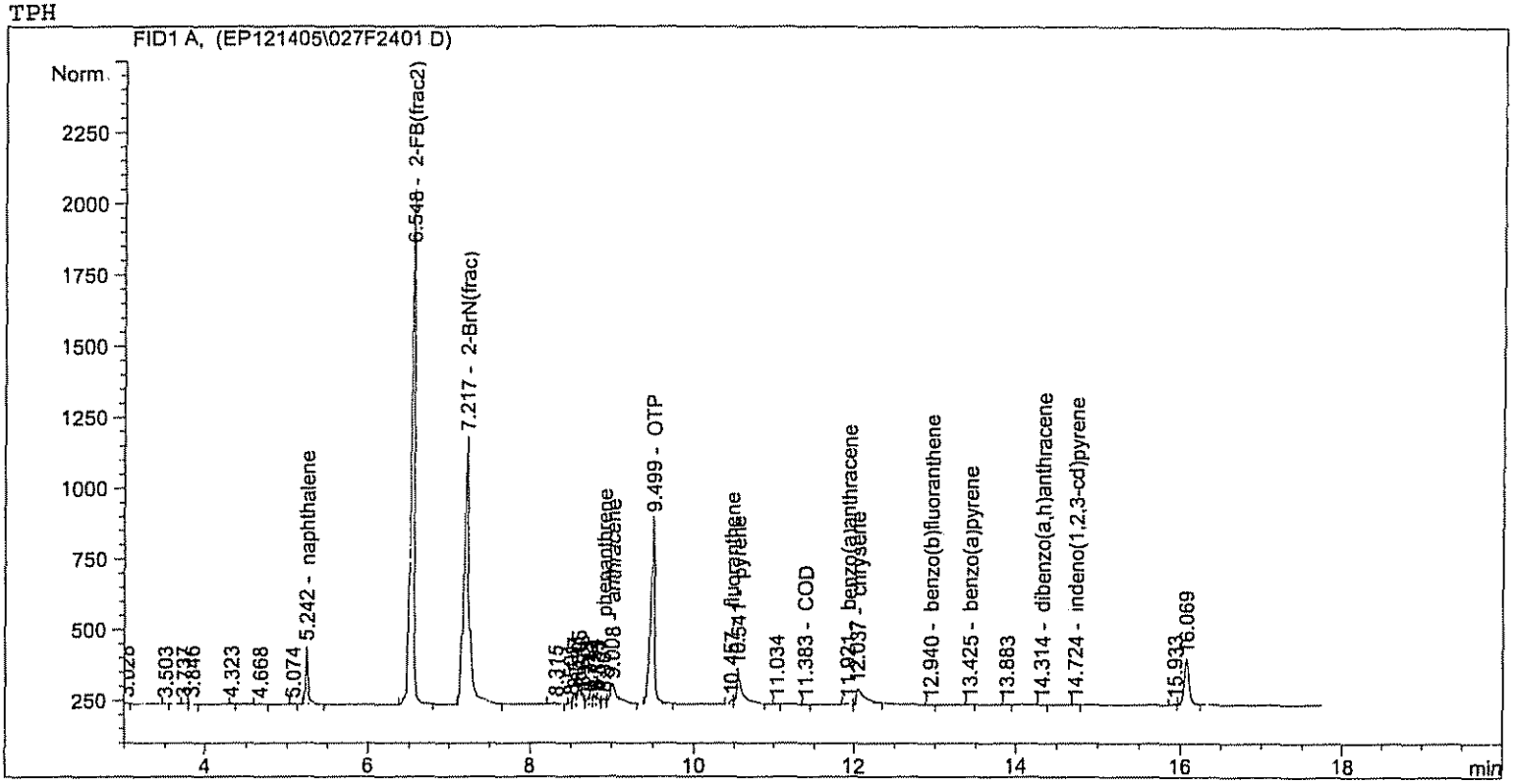
*** End of Report ***

a File C:\HPCHEM\1\DATA\EP121405\027F2401.D Sample Name: 187968 x1 msd R

Injection Date	: 12/14/2005 10:33:19 PM	Seq. Line	: 24
Sample Name	: 187968 x1 msd R	Location	: Vial 27
Acq. Operator	: DCS	Inj	: 1
Acq. Instrument	: GC6	Inj Volume	: 10 µl
Sequence File	: C:\HPCHEM\1\SEQUENCE\121405.S		
Acq. Method	: C:\HPCHEM\1\METHODS\PROEPH.M		
Last changed	: 11/1/2005 9:57:56 AM by DCS		
Analysis Method	: C:\HPCHEM\1\METHODS\EPH-R_F.M		
Last changed	: 12/14/2005 11:43:53 AM by DCS		

TPH



Area Percent Report

Sorted By	:	Signal
Calib. Data Modified	:	12/14/2005 11:03:00 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	5.242	BB	0.0313	460.13705	0.00059	naphthalene
2	6.068		0.0000	0.00000	0.00000	2-methylnaphthalene
3	6.548	PB	0.0402	5620.23340	0.00725	2-FB(frac2)
4	7.158		0.0000	0.00000	0.00000	acenaphthylene
5	7.217	PB	0.0589	4364.62354	0.00563	2-BrN(frac)
6	7.323		0.0000	0.00000	0.00000	acenaphthene
7	7.920		0.0000	0.00000	0.00000	fluorene
8	8.907	VV	0.0381	49.49425	6.388e-5	phenanthrene
9	9.008	VB	0.0741	419.69897	0.00054	anthracene
10	9.499	BB	0.0451	2256.85400	0.00291	OTP
11	10.457	PV	0.0438	37.03295	4.779e-5	fluoranthene
12	10.541	VB	0.0683	599.99200	0.00077	pyrene

a File C:\HPCHEM\1\DATA\EP121405\027F2401.D Sample Name: 187968 x1 msd R

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
13	11.383	PB	0.0329	3.59322	4.637e-6	COD
14	11.921	PP	0.0419	11.69625	1.509e-5	benzo(a)anthracene
15	12.037	VB	0.0896	376.57794	0.00049	chrysene
16	12.940	BP	0.0366	3.01603	3.892e-6	benzo(b)fluoranthene
17	13.215		0.0000	0.00000	0.00000	benzo(k)fluoranthene
18	13.425	BP	0.0428	4.56856	5.896e-6	benzo(a)pyrene
19	14.314	BB	0.0452	3.98947	5.149e-6	dibenzo(a,h)anthracene
20	14.724	BB	0.0431	4.36607	5.635e-6	indeno(1,2,3-cd)pyrene
21	14.817		0.0000	0.00000	0.00000	benzo(g,h,i)perylene

Totals : 1.42159e4 1.835e-2

Uncalibrated Peaks:

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	0.552	PV	0.0243	51.66558	6.668e-5	?
2	1.819	VV S	0.9836	7.64484e7	98.66240	?
3	1.849	VP S	0.0189	8.67075e5	1.11903	?
4	1.938	VV S	0.1130	3.27407e4	0.04225	?
5	1.987	VV S	0.0757	1.77700e4	0.02293	?
6	2.069	VV S	0.0416	1.14418e4	0.01477	?
7	2.124	VV S	0.0519	1.14999e4	0.01484	?
8	2.173	VV S	0.0322	6660.36084	0.00860	?
9	2.215	VV S	0.0481	9810.79785	0.01266	?
10	2.263	VV S	0.0426	8667.92285	0.01119	?
11	2.330	VV S	0.0571	9789.21973	0.01263	?
12	2.397	VV S	0.0519	9338.63867	0.01205	?
13	2.448	VV S	0.0327	5892.95801	0.00761	?
14	2.489	VV S	0.0382	6046.59570	0.00780	?
15	2.530	VV S	0.0305	5547.94629	0.00716	?
16	2.573	VV S	0.0311	5312.02832	0.00686	?
17	2.612	VV S	0.0333	5012.10547	0.00647	?
18	2.650	VV S	0.0293	2737.69312	0.00353	?
19	2.679	VV S	0.0705	4643.66211	0.00599	?
20	2.769	VB S	0.0196	882.87463	0.00114	?
21	2.802	BB T	0.0143	46.15017	5.956e-5	?
22	3.028	BB	0.0287	2.72296	3.514e-6	?
23	3.503	BB	0.0290	2.52381	3.257e-6	?
24	3.737	PP	0.0312	3.14678	4.061e-6	?
25	3.846	BB	0.0364	4.08545	5.273e-6	?
26	4.323	VB	0.0245	6.57682	8.488e-6	?
27	4.668	PB	0.0580	12.26498	1.583e-5	?
28	5.074	PB	0.0317	3.78399	4.884e-6	?
29	8.315	BP	0.0495	21.92790	2.830e-5	?
30	8.501	BV	0.0253	17.23578	2.224e-5	?
31	8.547	VV	0.0281	61.49303	7.936e-5	?
32	8.595	VV	0.0310	121.99371	0.00016	?
33	8.638	VV	0.0290	76.96131	9.932e-5	?
34	8.713	VV	0.0330	45.97012	5.933e-5	?
35	8.747	VV	0.0325	48.29734	6.233e-5	?
36	8.794	VV	0.0289	54.97309	7.095e-5	?
37	8.833	VV	0.0332	46.61743	6.016e-5	?
38	11.034	BP	0.0321	2.68842	3.470e-6	?
39	13.883	BB	0.0453	4.06400	5.245e-6	?
40	15.933	PV	0.0524	17.48889	2.257e-5	?
41	16.069	VB	0.0644	694.63489	0.00090	?

Uncalib. totals : 7.74706e7 99.9817

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

:a File C:\HPCHEM\1\DATA\EP121405\027F2401.D Sample Name: 187968 x1 msd R

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*** End of Report ***

)

EPH Prep, Standard, Run Logs

Prep Report for Batch 4147 (EPH/3520/WATER) on 2005-12-09 by eaw

Sample ID (GCCODE)	EXT	InitVol	QCSpikeID	QCSpikeVol	SSpikeID	SSpikeVol	FinalVol	CH2Cl2Lot	HexaneLot
G161-2262-1K (187964)		500			EPHSRSV03N48	0.5	5.0	CP372	CO931
G161-2262-2K (187965)		500			EPHSRSV03N48	0.5	5.0	CP372	CO931
G161-2262-3K (187966)		500			EPHSRSV03N48	0.5	5.0	CP372	CO931
G161-2262-3L (187967)	MS	150	EPHQCSV03W17X	0.5	EPHSRSV03N48	0.5	5.0	CP372	CO931
G161-2262-3M (187968)	MSD	175	EPHQCSV03W17X	0.5	EPHSRSV03N48	0.5	5.0	CP372	CO931
LCS4147	LCS	500	EPHQCSV03W17X	0.5	EPHSRSV03N48	0.5	5.0	CP372	CO931
PB4147	PB	500			EPHSRSV03N48	0.5	5.0	CP372	CO931

Paradigm Analytical

GC6 Runlog Sheet

Method: EPH

Initial Cal. Curve: ep091305

Matrix: Soil / Water

Batch: **ep121205**

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	FNT	BACK	SR QC	OPER	RERUN
001F0101.D	b	12/12/2005 8:14					DCS	
002F0101.D	b	12/12/2005 9:25					DCS	
003F0201.D	K 20 ccal	12/12/2005 9:52					DCS	
004F0301.D	R 20 ccal	12/12/2005 10:18					DCS	
005F0101.D	G311-173-5I x1 ms K	12/12/2005 10:55	cid= 185861				DCS	
006F0201.D	G311-173-5I x1 ms R	12/12/2005 11:21	cid= 185861				DCS	
007F0301.D	G311-173-5J x1 msd K	12/12/2005 11:48	cid= 185862				DCS	
008F0401.D	G311-173-5J x1 msd R	12/12/2005 12:14	cid= 185862				DCS	
009F0101.D	G128-1647-2K x1 K	12/12/2005 13:48	cid= 186889	✓			DCS	
010F0201.D	G128-1647-2K x1 R	12/12/2005 14:14	cid= 186889				DCS	
011F0301.D	G128-1647-4K x1 K	12/12/2005 14:41	cid= 186891				DCS	
012F0401.D	G128-1647-4K x1 R	12/12/2005 15:07	cid= 186891	✓			DCS	
013F0501.D	pb4139 x1 T	12/12/2005 15:34					DCS	
014F0601.D	pb4147 x1 T	12/12/2005 16:00					DCS	
015F0701.D	G161-2262-1K x1 T	12/12/2005 16:26	cid= 187964	✓			DCS	
016F0801.D	G161-2262-2K x1 T	12/12/2005 16:52	cid= 187965			low	DCS	
017F0901.D	G161-2262-3K x1 T	12/12/2005 17:19	cid= 187966	✓			DCS	
018F1001.D	G128-1648-1G x2 K	12/12/2005 17:45	cid= 187497	✓			DCS	
019F1101.D	G128-1648-3G x5 K	12/12/2005 18:11	cid= 187499	✓			DCS	
020F1201.D	G128-1648-3G x1 K	12/12/2005 18:37	cid= 187499	✓			DCS	
021F1301.D	G128-1648-6G x1 K	12/12/2005 19:03	cid= 187502	X2			DCS	
022F1401.D	G128-1648-7G x1 K	12/12/2005 19:29	cid= 187503	✓			DCS	

Analyst:_____

Page Number: _____

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

Semi-Volatile Standards Logbook

Paradigm Analytical

Logbook ID: ECD03

Working

Page: [illegible]

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 WS14	1/06	PCP Matrix Spike	10 ml	10 ml	200 ug/ml	2 ug/mL	MeOH		1/06	9/8/06	[illegible]
B	TPH-RSP	–	Frac 28W 004	2mL	20mL	100,000 ug/mL	10,000 ug/mL	Hex		5/31/06	5/31/05	DJ
C	TPH-RSR	–	Frac 2 Fr 2	↓	↓	↓	↓	↓		↓	↓	↓
D	ECD03-RSB	5/12	EPH Aliphatic	800 ul	20 mL	1000 ug/mL	40 ug/mL	Hex		9/13/06	4/13/05	DCJ
E	ECD03 RSC	12/06	EPH Aromatic	800 ul	↓	1000 ug/mL	↓	↓	Aromatic EPH	↓	↓	↓
F	~~ECD03~~ W16B	8/31/06	Frac W16 B, C	↓	↓	10,000 ug/mL	400 ug/mL	↓	↓	↓	↓	↓
G	EHS-SUG3-W17A	7/11/06	EPH SQ	2mL	↓	400 ug/mL	↓ 40 ug/mL	↓	↓	↓	↓	↓
H	ECD03-WS9	1/06	PCP Matrix Spike	10 ml	10 ml	800 ug/ml	2 ug/ml	MeOH		1/06	9/8/06	[illegible]
I	ECD-R7X	8/9/06	8081 ICAL Std	50 ml	50 ml	200 ug/ml	200 ug/L	Hexane		8/06	9/22/05	[illegible]
J	ECD03-R8D	~~10/4/06~~ 10/4/06	8081 Cont Cal Std	10 ml	100 mL	2000 ug/ml	200 ug/L	Hexane		10/06	[illegible]	[illegible]
K	ECD03-R7H	4/3/06	8121 Std	5 ml	25 ml	200 ug/ml	400 ug/L	Hexane		4/3/06	[illegible]	[illegible]
L	ECD03-R7B	↓	↓	1 ml	↓	1000 ug/ml	↓	↓		↓	↓	↓
M	ECD03-R7C			100 ml		100 ug/mL						
N	ECD03-R8E	02-28-06	PCB 1248 (Restek)	50 ml	20 ml	1000 ug/ml	4000 ug/L	Hex	8082 1248 ICAL STOCK	02-28-06		[illegible]
O	ECD03 R7M	↓	8081 SURR STOCK	4 ml	↓	2000 ug/ml	400 ug/L	↓	↓	↓		↓
P	ECD03-R8F	10-06-06	PCB 1242 (Restek)	50 ml	20 ml	1000 ug/ml	4000 ug/L	Hex	1242 PCB ICAL STOCK	02-28-06		[illegible]
Q	ECD03-R7M	02-28-06	8081 SURR STOCK	4 ml	↓	2000 ug/ml	400 ug/L	↓	↓	↓		↓
R	ECD03-R8G	10-06-05	PCB 1221 (Restek)	50 ml	20 ml	1000 ug/ml	4000 ug/L	Hex	1221 PCB ICAL STOCK	[illegible]		[illegible]
S	ECD03-R7M	2-28-06	8081 SURR STOCK	4 ml	↓	2000 ug/ml	400 ug/L	↓	↓	↓		↓
T	ECD03-R8H	10-06-06	PCB 1232 (Restek)	50 ml	20 ml	1000 ug/ml	4000 ug/L	Hex	1232 PCB ICAL STOCK	02-28-06		[illegible]
U	ECD03-R7M	02-28-06	8081 SURR STOCK	4 ml	↓	2000 ug/ml	400 ug/L	↓	↓	↓		↓
V	ECD03 R8I	03-31-06	PCB 1248 (Supelco)	400 ml	20 ml	200 ug/ml	4000 ug/L	Hex	1248 ICAL STOCK	02-28-06		[illegible]
W	ECD03 R7M	02-28-06	8081 SURR STOCK	4 ml	↓	2000 ug/ml	400 ug/L	↓	↓	↓		↓

Comments:

Notes: PAL Lot#'s are "yyzz-SVaa-bb-c" where yy is the surrogate or spike test method, zz is SR for a surrogate or QC for a spike, aa is the logbook number,bbb is the page number, and c is the item identifier.

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

VPH Sample Raw Data

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp120905\042F0101.D
perator : MJC
nstrument : FID/PID
ample Name : g161-2262-1d x1
in Time Bar Code:
cquired on : 10 Dec 05 04:01 AM
eport Created on: 12 Dec 05 08:17 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 :

wf 12/12

ig. 1 in C:\HPCHEM\1\DATA\vp120905\042F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.849	* not found *			1		n-Pentane
3.960	* 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
8.843	1193	PV	0.065	1	0.117	EBenz, m-,p-Xylene
9.127	1652	VV	0.053	1	0.164	o-Xylene
9.401	94603	BV	0.029	1	364.411	BFB
9.767	5118	VV	0.063	1	0.545	1,2,4-Trimethylbenzene
11.211	2028	VV	0.026	1	0.479	Naphthalene
9.514	6572	VV	0.058		65.722	* uncalibrated *
9.646	1722	VV	0.044		17.220	* uncalibrated *
9.815	3259	VV	0.055		32.591	* uncalibrated *
10.000	4377	PV	0.057		43.767	* uncalibrated *
10.070	8366	VV	0.058		83.662	* uncalibrated *
10.170	10052	VV	0.068		100.520	* uncalibrated *
10.330	4166	VV	0.057		41.660	* uncalibrated *
10.417	4006	VV	0.040		40.060	* uncalibrated *
10.450	4760	VV	0.036		47.599	* uncalibrated *
10.550	4538	VV	0.040		45.377	* uncalibrated *
10.587	8755	VV	0.047		87.550	* uncalibrated *
10.646	2791	VV	0.042		27.915	* uncalibrated *
10.753	1413	PV	0.033		14.128	* uncalibrated *
10.823	5523	VV	0.050		55.229	* uncalibrated *
10.883	2323	VV	0.033		23.230	* uncalibrated *
10.942	7896	VV	0.064		78.965	* uncalibrated *
11.054	4542	VV	0.032		45.416	* uncalibrated *
11.092	1971	VV	0.030		19.713	* uncalibrated *
11.164	8076	VV	0.049		80.759	* uncalibrated *
11.274	3085	VV	0.038		30.854	* uncalibrated *
11.401	11335	VV	0.068		113.350	* uncalibrated *
11.484	5890	VV	0.037		58.896	* uncalibrated *
11.527	13382	VV	0.051		133.821	* uncalibrated *
11.635	6135	VV	0.048		61.351	* uncalibrated *
11.691	11306	VV	0.049		113.058	* uncalibrated *
11.771	16596	VV	0.051		165.959	* uncalibrated *
11.845	7902	VV	0.049		79.024	* uncalibrated *
11.942	13827	VV	0.057		138.267	* uncalibrated *
11.997	10576	VV	0.048		105.762	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp120905\042F0101.D
perator : MJC
nstrument : FID/PID
ample Name : g161-2262-1d x1
un Time Bar Code:
cquired on : 10 Dec 05 04:01 AM
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ultiplier : 1

Page Number : 2
Vial Number : 42
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

12.060	4738	VV	0.036	47.376	* uncalibrated *
12.102	4324	VV	0.038	43.240	* uncalibrated *
12.197	12499	VV	0.056	124.986	* uncalibrated *
12.265	2234	VV	0.033	22.341	* uncalibrated *
12.350	5384	PBA	0.044	53.836	* uncalibrated *

alibration table contains at least one peak with amt = 0

ot all calibrated peaks were found

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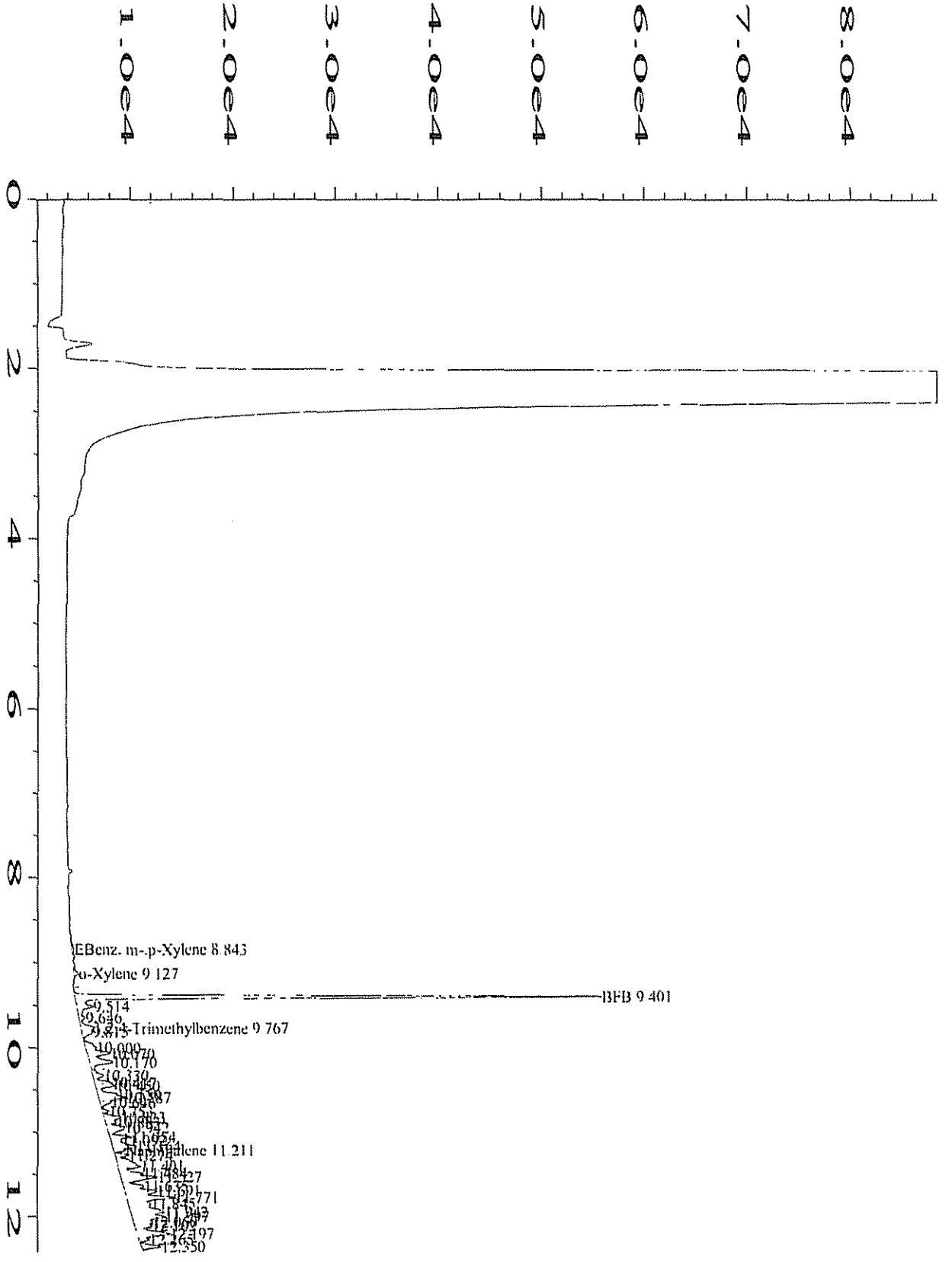

ata File Name	: C:\HPCHEM\1\DATA\vp120905\042F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 42
ample Name	: g161-2262-1d x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 10 Dec 05 04:01 AM	Instrument Method:	GAS1.MTH
eport Created on:	12 Dec 05 08:17 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

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ıltiplier : 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\vp120905\042R0101.D

ɜt Time	Area	Type	Width	Ref#	ug/L	Name
2.829	* not found *			1		n-Pentane
4.010	* not found *			1		2-Methylpentane
4.375	* not found *			1		MTBE
6.312	* not found *			1		2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.925	1043	BB	0.033	1	0.0256	Toluene
8.686	* not found *			1		n-Nonane
8.843	1493	PV	0.064	1	0.0441	ethbzene/m,p-xylene
9.130	2373	VV	0.081	1	0.0613	o-Xylene
9.403	322005	PV	0.032	1	21.672	BFB(pid)
9.808	5411	PV	0.092	1	0.176	1,2,4-Trimethylbenzene
11.210	2133	VV	0.030	1	0.122	Naphthalene(pid)
1.510	5297	BV	0.048		52.969	* uncalibrated *
1.719	21177	VV	0.094		211.769	* uncalibrated *
2.126	63572	VV	0.159		635.724	* uncalibrated *
3.416	5077	VV	0.129		50.768	* uncalibrated *
8.934	453	VV	0.059		4.533	* uncalibrated *
9.223	328	VV	0.050		3.282	* uncalibrated *
9.645	976	VV	0.041		9.762	* uncalibrated *
9.966	2655	PV	0.048		26.555	* uncalibrated *
10.072	8155	VV	0.064		81.549	* uncalibrated *
10.173	8848	VV	0.062		88.484	* uncalibrated *
10.336	1378	VV	0.045		13.776	* uncalibrated *
10.451	8704	VV	0.051		87.040	* uncalibrated *
10.583	11348	VV	0.059		113.481	* uncalibrated *
10.647	2248	VV	0.038		22.478	* uncalibrated *
10.753	1315	PV	0.035		13.149	* uncalibrated *
10.827	5658	VV	0.051		56.579	* uncalibrated *
10.882	1329	VV	0.032		13.287	* uncalibrated *
10.945	8707	VV	0.062		87.071	* uncalibrated *
11.058	2442	VV	0.033		24.423	* uncalibrated *
11.094	3124	VV	0.036		31.241	* uncalibrated *
11.165	8330	VV	0.046		83.301	* uncalibrated *
11.274	3276	VV	0.037		32.759	* uncalibrated *
11.401	10796	VV	0.068		107.962	* uncalibrated *
11.486	6205	VV	0.045		62.052	* uncalibrated *
11.531	12618	VV	0.059		126.183	* uncalibrated *
11.639	5629	VV	0.048		56.289	* uncalibrated *
11.695	11462	VV	0.057		114.623	* uncalibrated *
11.769	17703	VV	0.052		177.029	* uncalibrated *
11.843	6591	VV	0.045		65.911	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp120905\042R0101.D
perator : MJC
nstrument : FID/PID
ample Name : g161-2262-1d x1
un Time Bar Code:
cquired on : 10 Dec 05 04:01 AM
eport Created on: 12 Dec 05 08:17 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 42
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

11.914	8068	VV	0.044	80.680	* uncalibrated *
11.940	7626	VV	0.036	76.261	* uncalibrated *
11.994	9252	VV	0.048	92.516	* uncalibrated *
12.056	4583	VV	0.039	45.830	* uncalibrated *
12.201	12123	VV	0.055	121.226	* uncalibrated *
12.267	1422	VV	0.029	14.220	* uncalibrated *
12.353	6068	PBA	0.040	60.679	* uncalibrated *

ot all calibrated peaks were found

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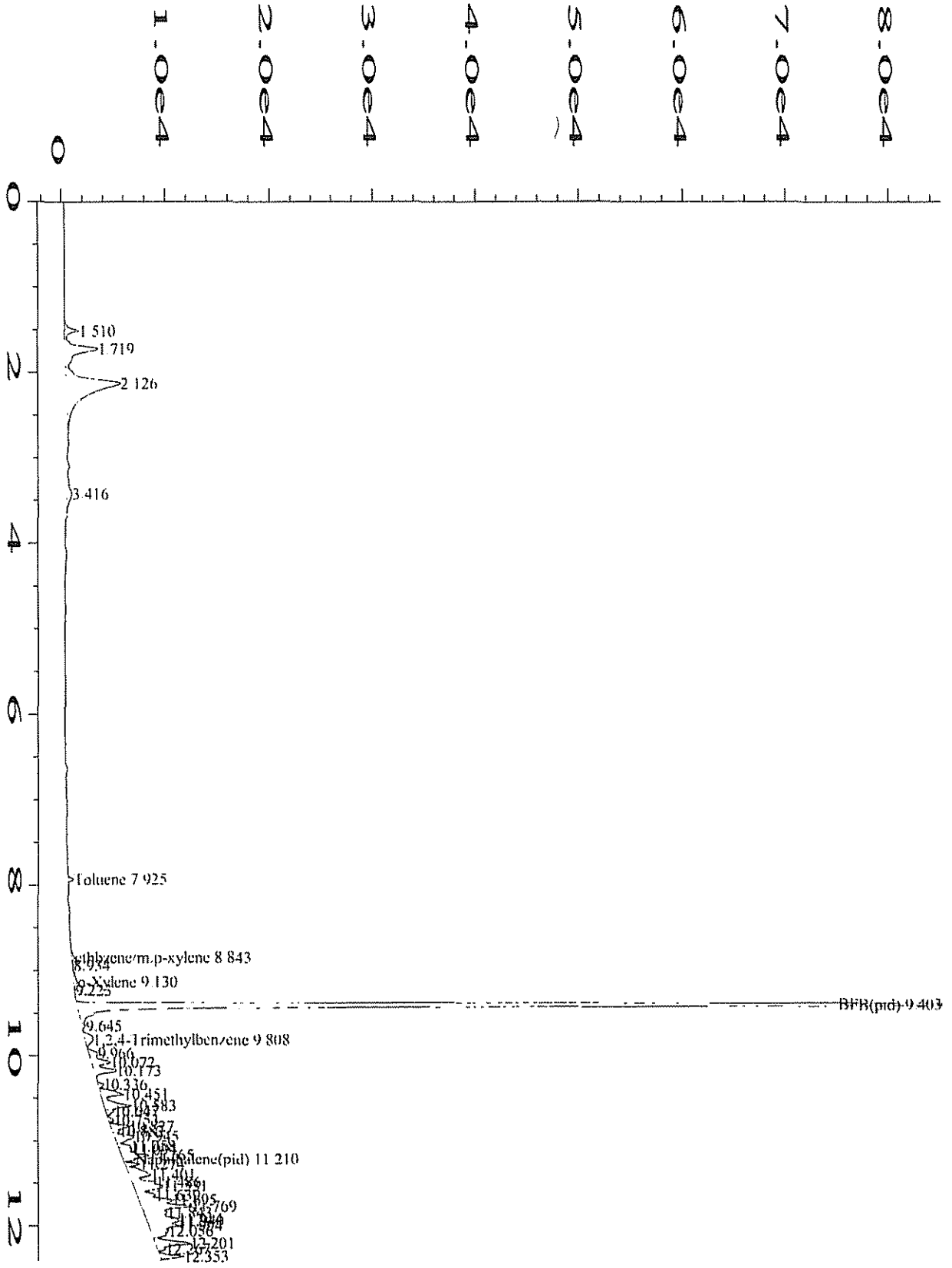


ata File Name	: C:\HPCHEM\1\DATA\vp120905\042R0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 42
ample Name	: g161-2262-1d x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 10 Dec 05 04:01 AM	Instrument Method:	GAS1.MTH
eport Created on:	12 Dec 05 08:17 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

ata File Name : C:\HPCHEM\1\DATA\vp120905\043F0101.D
perator : MJC
nstrument : FID/PID
ample Name : g161-2262-2d x1
n Time Bar Code:
cquired on : 10 Dec 05 04:25 AM
eport Created on: 12 Dec 05 08:17 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

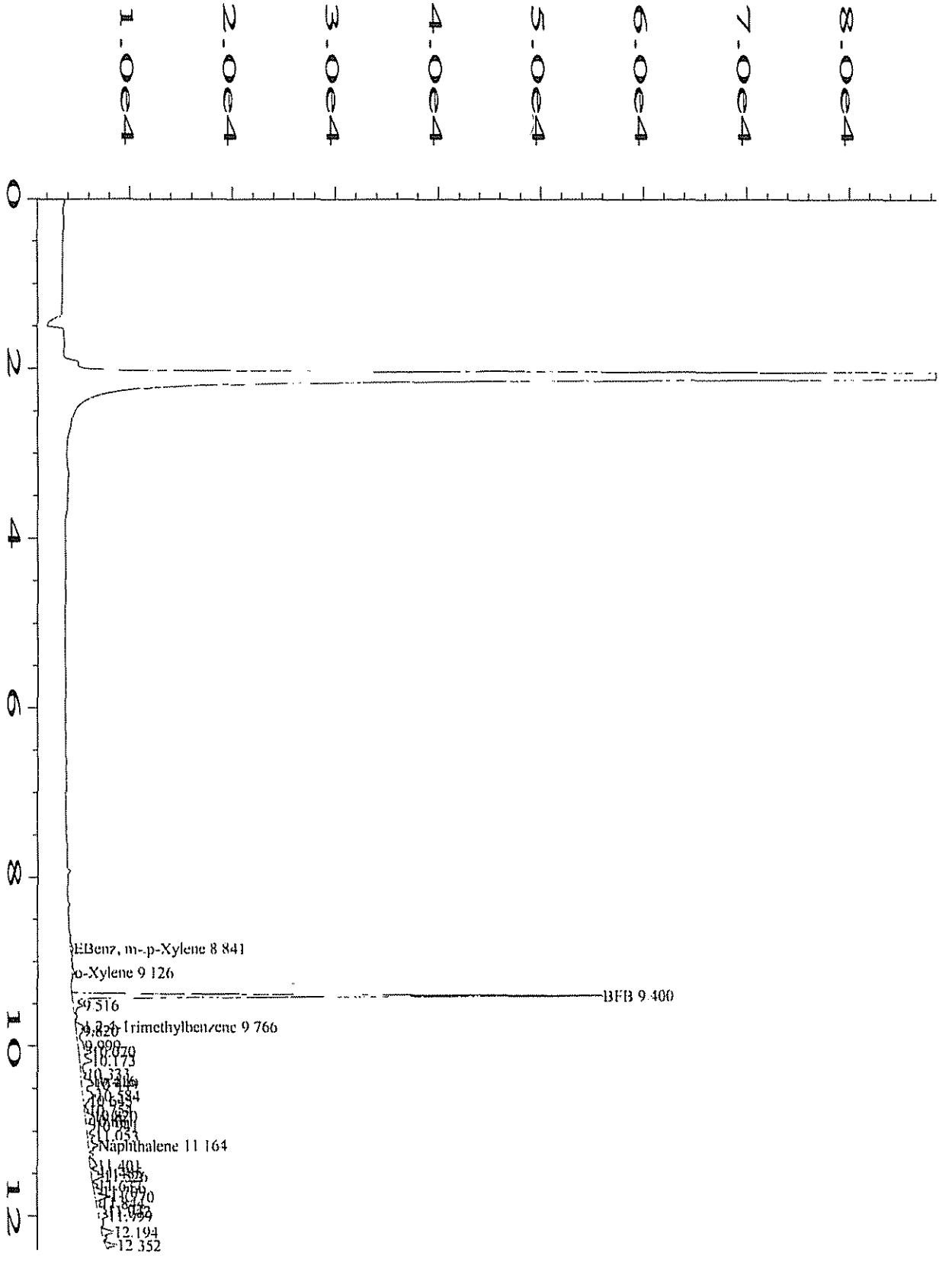
mgl 12/12

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\vp120905\043F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.849	* not found *			1		n-Pentane
3.960	* 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
8.841	1346	VV	0.058	1	0.132	EBenz, m-,p-Xylene
9.126	1133	VV	0.061	1	0.112	o-Xylene
9.400	93692	BV	0.028	1	360.901	BFB
9.766	2865	VV	0.058	1	0.305	1,2,4-Trimethylbenzene
11.164	3064	VV	0.047	1	0.723	Naphthalene
9.516	3624	VV	0.057		36.237	* uncalibrated *
9.820	2757	VV	0.063		27.572	* uncalibrated *
9.999	3326	VV	0.068		33.264	* uncalibrated *
10.070	4842	VV	0.059		48.419	* uncalibrated *
10.173	5800	VV	0.073		58.002	* uncalibrated *
10.333	2274	VV	0.061		22.738	* uncalibrated *
10.416	2536	VV	0.041		25.363	* uncalibrated *
10.449	3967	VV	0.045		39.671	* uncalibrated *
10.584	6232	VV	0.065		62.315	* uncalibrated *
10.645	1492	VV	0.047		14.919	* uncalibrated *
10.754	1057	VV	0.038		10.568	* uncalibrated *
10.820	2967	VV	0.056		29.671	* uncalibrated *
10.881	1040	VV	0.032		10.405	* uncalibrated *
10.941	3912	VV	0.060		39.123	* uncalibrated *
11.053	1568	VV	0.031		15.678	* uncalibrated *
11.401	3399	VV	0.063		33.995	* uncalibrated *
11.485	1698	VV	0.039		16.981	* uncalibrated *
11.526	3799	VV	0.045		37.990	* uncalibrated *
11.637	1184	PV	0.040		11.843	* uncalibrated *
11.709	2470	VV	0.044		24.697	* uncalibrated *
11.770	4633	VV	0.044		46.333	* uncalibrated *
11.844	1261	VV	0.045		12.609	* uncalibrated *
11.942	3292	VV	0.049		32.916	* uncalibrated *
11.999	2869	VV	0.046		28.690	* uncalibrated *
12.194	4094	VV	0.051		40.943	* uncalibrated *
12.352	3289	PBA	0.043		32.886	* uncalibrated *

alibration table contains at least one peak with amt = 0



ata File Name	: C:\HPCHEM\1\DATA\vp120905\043F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 43
ample Name	: g161-2262-2d x1	Injection Number	: 1
an Time Bar Code:		Sequence Line	: 1
cquired on	: 10 Dec 05 04:25 AM	Instrument Method	: GAS1.MTH
eport Created on	: 12 Dec 05 08:17 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

External Standard Report

ıta File Name : C:\HPCHEM\1\DATA\vp120905\043R0101.D
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ıstrument : FID/PID
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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 :

ıg. 2 in C:\HPCHEM\1\DATA\vp120905\043R0101.D

ɜt Time	Area	Type	Width	Ref#	ug/L	Name
2.829	* not found *			1		n-Pentane
4.010	* not found *			1		2-Methylpentane
4.375	* not found *			1		MTBE
6.312	* not found *			1		2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.926	912	BB	0.036	1	0.0224	Toluene
8.686	* not found *			1		n-Nonane
8.842	1073	PV	0.048	1	0.0317	ethbzene/m,p-xylene
9.081	* not found *			1		o-Xylene
9.403	319317	BV	0.032	1	21.492	BFB(pid)
9.769	1436	PV	0.043	1	0.0468	1,2,4-Trimethylbenzene
11.211	843	VV	0.027	1	0.0482	Naphthalene(pid)
2.115	2226	BB	0.123		22.261	* uncalibrated *
8.318	2616	PV	0.039		26.161	* uncalibrated *
9.643	380	VV	0.035		3.797	* uncalibrated *
9.814	2472	VV	0.070		24.723	* uncalibrated *
9.966	2706	VV	0.060		27.056	* uncalibrated *
10.071	4989	VV	0.067		49.892	* uncalibrated *
10.176	4983	VV	0.066		49.828	* uncalibrated *
10.340	906	VV	0.049		9.059	* uncalibrated *
10.451	6544	VV	0.061		65.444	* uncalibrated *
10.581	5221	VV	0.056		52.208	* uncalibrated *
10.647	1016	VV	0.047		10.163	* uncalibrated *
10.755	931	PV	0.037		9.306	* uncalibrated *
10.825	3563	VV	0.063		35.634	* uncalibrated *
10.943	4140	VV	0.063		41.404	* uncalibrated *
11.057	773	VV	0.032		7.729	* uncalibrated *
11.096	1346	VV	0.041		13.459	* uncalibrated *
11.165	3097	VV	0.043		30.966	* uncalibrated *
11.274	884	PV	0.031		8.845	* uncalibrated *
11.399	2919	PV	0.061		29.193	* uncalibrated *
11.486	1756	VV	0.041		17.565	* uncalibrated *
11.531	3158	VV	0.055		31.584	* uncalibrated *
11.638	811	PV	0.039		8.110	* uncalibrated *
11.711	2443	VV	0.043		24.428	* uncalibrated *
11.768	4739	VV	0.046		47.389	* uncalibrated *
11.843	1099	VV	0.040		10.993	* uncalibrated *
11.941	3506	VV	0.057		35.058	* uncalibrated *
11.995	2337	VV	0.046		23.372	* uncalibrated *
12.062	931	VV	0.037		9.315	* uncalibrated *
12.102	513	VV	0.028		5.135	* uncalibrated *

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Page Number : 2
Vial Number : 43
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

12.197	4031	PV	0.049	40.313	* uncalibrated *
12.269	604	VV	0.030	6.039	* uncalibrated *
12.354	3834	PBA	0.041	38.339	* uncalibrated *

ɔt all calibrated peaks were found

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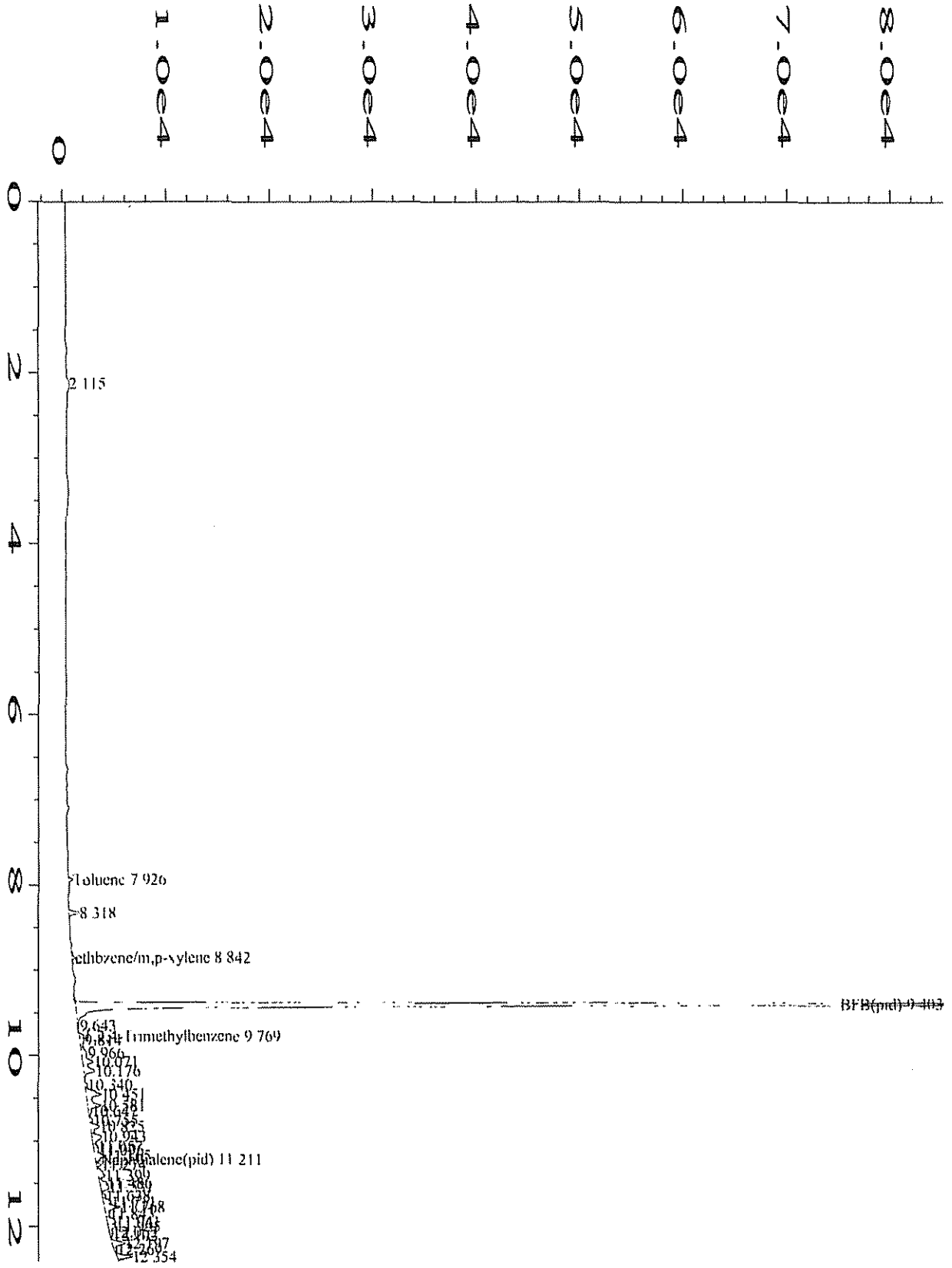

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nstrument	: FID/PID	Vial Number	: 43
mple Name	: g161-2262-2d x1	Injection Number	: 1
n Time Bar Code:		Sequence Line	: 1
quired on	: 10 Dec 05 04:25 AM	Instrument Method	: GAS1.MTH
port Created on:	12 Dec 05 08:17 AM	Analysis Method	: vph_pid.MTH
st Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ltiplier	: 1	ISTD Amount	:

External Standard Report

ıta File Name : C:\HPCHEM\1\DATA\vp120905\044F0101.D
ɔerator : MJC
ıstrument : FID/PID
ımple Name : g161-2262-3d x1
ın Time Bar Code:
ɔquired on : 10 Dec 05 04:49 AM
ɜport Created on: 12 Dec 05 08:17 AM
ıst Recalib on : 24 AUG 04 09:09 AM
ıltiplier : 1

mgl 12/12

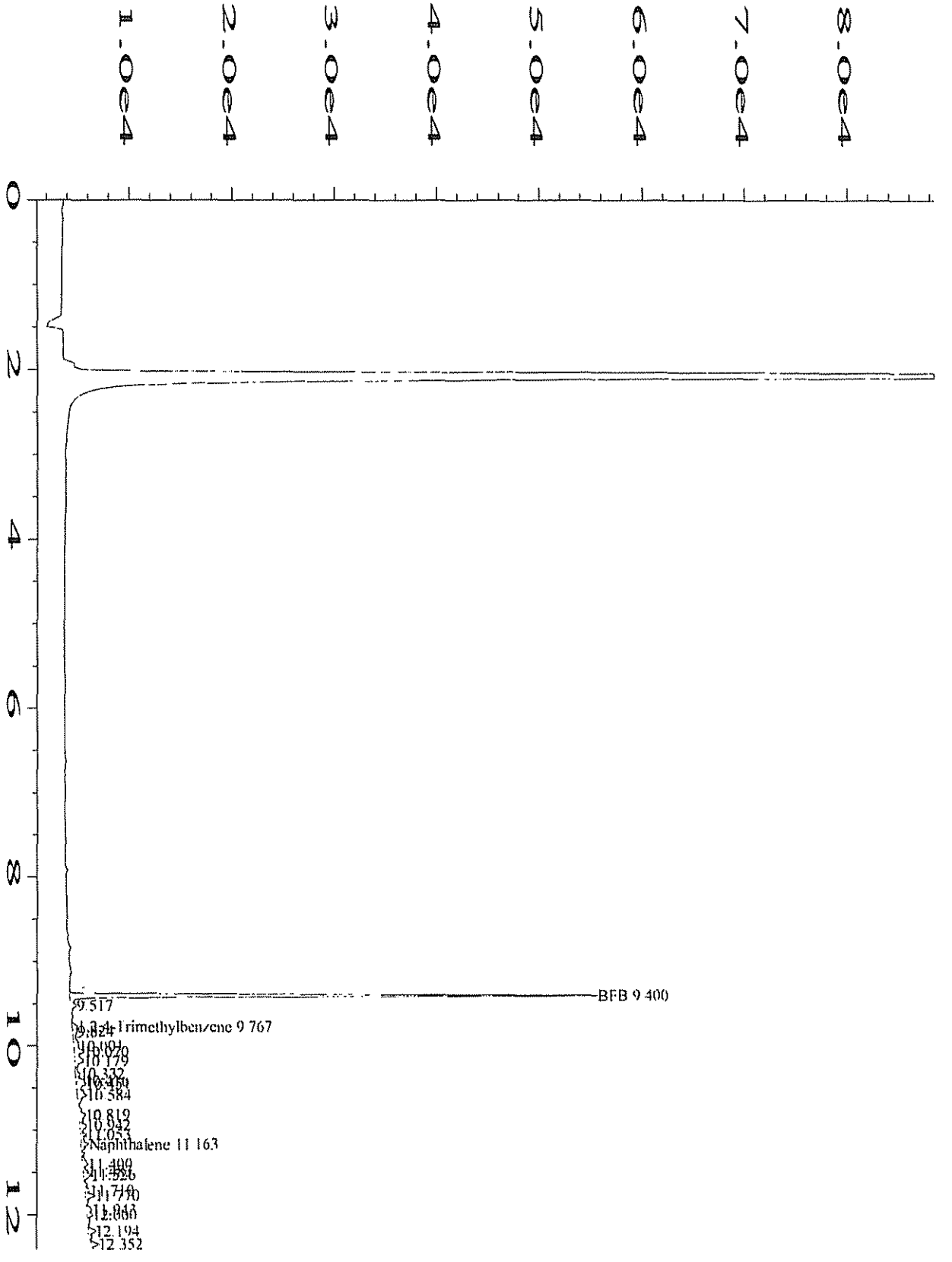
Page Number : 1
Vial Number : 44
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp120905\044F0101.D

ɜt Time	Area	Type	Width	Ref#	ug/L	Name
2.849	* not found *			1		n-Pentane
3.960	* 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
9.080	* not found *			1		o-Xylene
9.400	92724	BV	0.028	1	357.172	BFB
9.767	1978	VV	0.055	1	0.210	1,2,4-Trimethylbenzene
11.163	2315	VV	0.049	1	0.546	Naphthalene
9.517	2518	VV	0.058		25.179	* uncalibrated *
9.824	2069	VV	0.059		20.691	* uncalibrated *
10.001	3043	VV	0.073		30.433	* uncalibrated *
10.070	3799	VV	0.060		37.993	* uncalibrated *
10.179	4341	VV	0.077		43.406	* uncalibrated *
10.332	1812	VV	0.056		18.120	* uncalibrated *
10.416	2069	VV	0.043		20.692	* uncalibrated *
10.451	3544	VV	0.051		35.438	* uncalibrated *
10.584	4387	VV	0.065		43.873	* uncalibrated *
10.819	2372	VV	0.057		23.716	* uncalibrated *
10.942	2929	VV	0.065		29.285	* uncalibrated *
11.053	1166	VV	0.033		11.663	* uncalibrated *
11.400	2547	VV	0.061		25.471	* uncalibrated *
11.483	1199	VV	0.036		11.993	* uncalibrated *
11.526	2502	VV	0.047		25.019	* uncalibrated *
11.710	1473	VV	0.043		14.733	* uncalibrated *
11.770	2972	VV	0.044		29.716	* uncalibrated *
11.943	1827	VV	0.048		18.271	* uncalibrated *
12.000	1650	VV	0.045		16.502	* uncalibrated *
12.194	2272	PV	0.050		22.719	* uncalibrated *
12.352	2099	PBA	0.042		20.992	* uncalibrated *

alibration table contains at least one peak with amt = 0

ot all calibrated peaks were found



ata File Name	: C:\HPCHEM\1\DATA\vp120905\044F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 44
ample Name	: g161-2262-3d x1	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 10 Dec 05 04:49 AM	Instrument Method:	GAS1.MTH
eport Created on:	12 Dec 05 08:17 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

External Standard Report

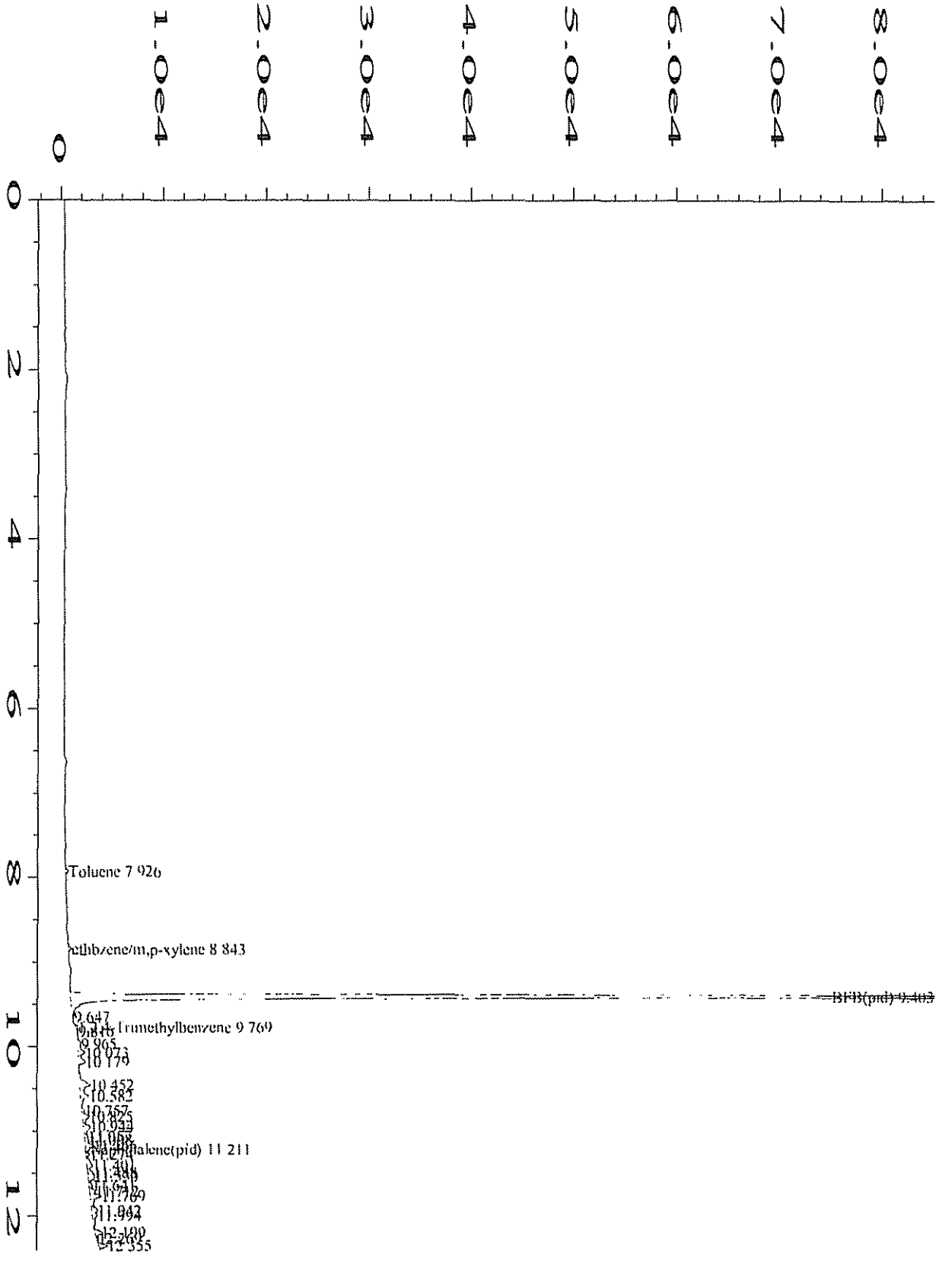
ıta File Name : C:\HPCHEM\1\DATA\vp120905\044R0101.D
ɔerator : MJC
ıstrument : FID/PID
ımple Name : g161-2262-3d x1
ın Time Bar Code:
ɔquired on : 10 Dec 05 04:49 AM
ɜport Created on: 12 Dec 05 08:17 AM
ıst Recalib on : 24 AUG 04 09:09 AM
ıltiplier : 1

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 :

ıg. 2 in C:\HPCHEM\1\DATA\vp120905\044R0101.D

ɜt Time	Area	Type	Width	Ref#	ug/L	Name
2.829	* not found *			1		n-Pentane
4.010	* not found *			1		2-Methylpentane
4.375	* not found *			1		MTBE
6.312	* not found *			1		2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.926	738	PB	0.040	1	0.0181	Toluene
8.686	* not found *			1		n-Nonane
8.843	994	PB	0.045	1	0.0294	ethbzene/m,p-xylene
9.081	* not found *			1		o-Xylene
9.403	317365	BV	0.032	1	21.360	BFB(pid)
9.769	374	PV	0.030	1	0.0122	1,2,4-Trimethylbenzene
11.211	896	VV	0.029	1	0.0512	Naphthalene(pid)
9.647	237	VV	0.035		2.372	* uncalibrated *
9.816	312	VB	0.035		3.115	* uncalibrated *
9.965	1044	BV	0.049		10.441	* uncalibrated *
10.073	3048	VV	0.066		30.481	* uncalibrated *
10.179	2791	VV	0.061		27.909	* uncalibrated *
10.452	5269	VV	0.065		52.688	* uncalibrated *
10.582	3460	VV	0.055		34.598	* uncalibrated *
10.757	681	PV	0.035		6.808	* uncalibrated *
10.825	2921	VV	0.066		29.206	* uncalibrated *
10.944	3094	VV	0.064		30.941	* uncalibrated *
11.057	692	VV	0.032		6.918	* uncalibrated *
11.098	960	VV	0.038		9.600	* uncalibrated *
11.166	2351	VV	0.043		23.508	* uncalibrated *
11.274	851	VV	0.035		8.510	* uncalibrated *
11.401	2754	VV	0.066		27.543	* uncalibrated *
11.488	1513	VV	0.045		15.128	* uncalibrated *
11.530	2656	VV	0.061		26.555	* uncalibrated *
11.641	905	VV	0.043		9.051	* uncalibrated *
11.712	1846	VV	0.045		18.455	* uncalibrated *
11.769	3508	VV	0.047		35.080	* uncalibrated *
11.942	2260	VV	0.054		22.599	* uncalibrated *
11.994	1577	VV	0.047		15.774	* uncalibrated *
12.199	2383	PV	0.052		23.830	* uncalibrated *
12.269	391	VV	0.031		3.911	* uncalibrated *
12.355	2397	PBA	0.038		23.971	* uncalibrated *

ɔt all calibrated peaks were found



ata File Name	: C:\HPCHEM\1\DATA\vp120905\044R0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 44
ample Name	: g161-2262-3d x1	Injection Number	: 1
an Time Bar Code:		Sequence Line	: 1
cquired on	: 10 Dec 05 04:49 AM	Instrument Method	: GAS1.MTH
eport Created on:	12 Dec 05 08:17 AM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

VPH Calibration Raw Data

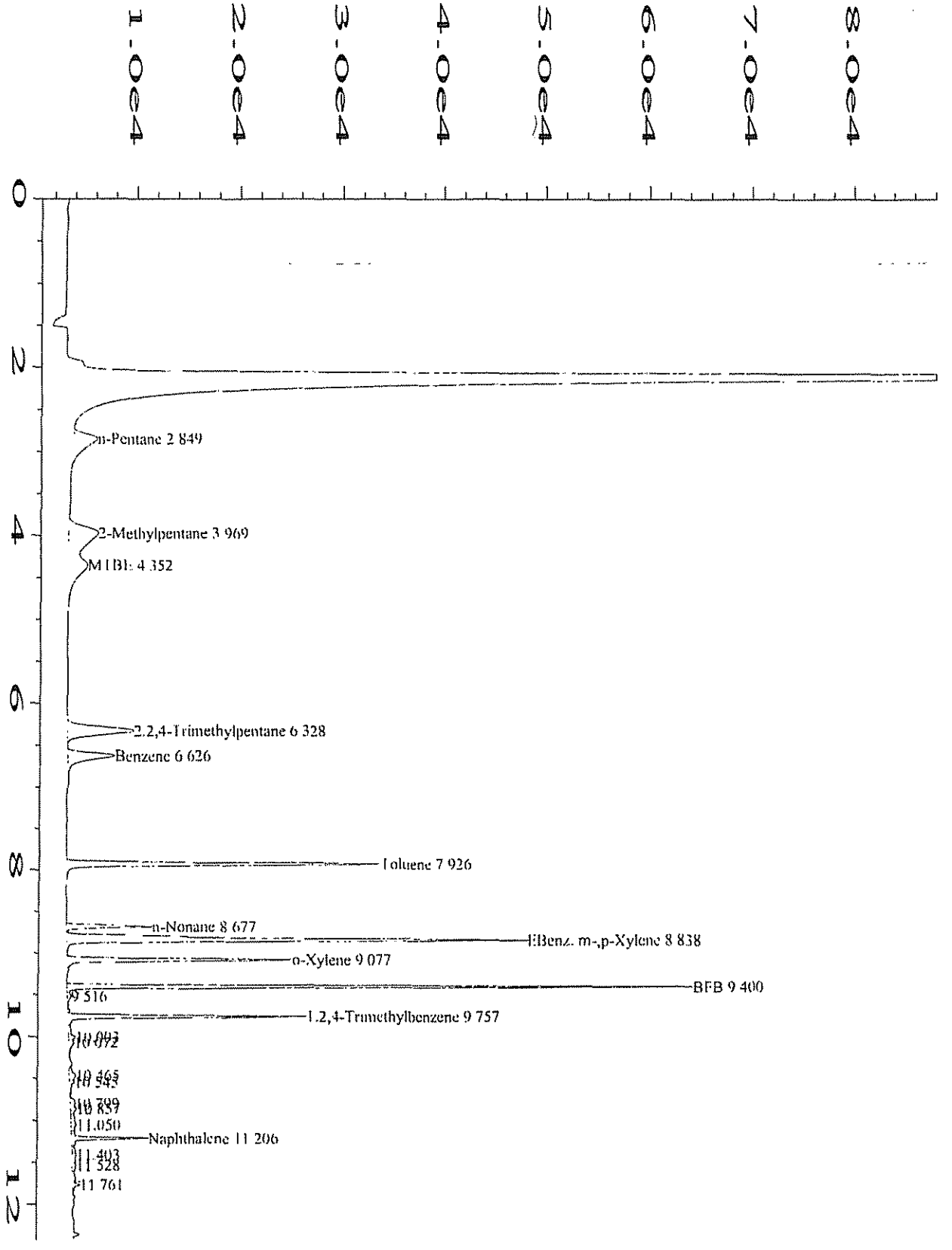
External Standard Report

ata File Name	: C:\HPCHEM\1\DATA\vp103105\028F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 28
ample Name	: v10	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 31 Oct 05 09:40 PM	Instrument Method:	GAS1.MTH
eport Created on:	01 Nov 05 08:38 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\vp103105\028F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.849	26598	BB	0.153	1	26.530	n-Pentane
3.969	43317	BV	0.216	1	7.694	2-Methylpentane
4.352	29352	VB	0.219	1	68.806	MTBE
6.328	41820	BV	0.102	1	8.033	2,2,4-Trimethylpentane
6.626	25456	PV	0.084	1	3.226	Benzene
7.926	75276	BB	0.039	1	7.991	Toluene
8.677	18443	BV	0.035	1	4.628	n-Nonane
8.838	116650	VV	0.039	1	11.403	EBenz, m-,p-Xylene
9.077	47125	VV	0.034	1	4.679	o-Xylene
9.400	108937	PV	0.030	1	419.623	BFB
9.757	46649	VV	0.032	1	4.965	1,2,4-Trimethylbenzene
11.206	15477	VV	0.043	1	3.652	Naphthalene
9.516	1803	VV	0.070		18.033	* uncalibrated *
10.003	3560	VV	0.071		35.605	* uncalibrated *
10.072	2781	VV	0.078		27.809	* uncalibrated *
10.465	3700	VV	0.092		36.997	* uncalibrated *
10.545	1130	VV	0.040		11.305	* uncalibrated *
10.799	2555	VV	0.092		25.551	* uncalibrated *
10.857	2392	VV	0.065		23.924	* uncalibrated *
11.050	4394	VV	0.104		43.942	* uncalibrated *
11.403	3349	VV	0.094		33.493	* uncalibrated *
11.528	1895	VV	0.074		18.948	* uncalibrated *
11.761	2090	VV	0.049		20.897	* uncalibrated *

alibration table contains at least one peak with amt = 0



ata File Name	: C:\HPCHEM\1\DATA\vp103105\028F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 28
ample Name	: v10	Injection Number	: 1
un Time Bar Code	:	Sequence Line	: 1
cquired on	: 31 Oct 05 09:40 PM	Instrument Method	: GAS1.MTH
eport Created on	: 01 Nov 05 08:38 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

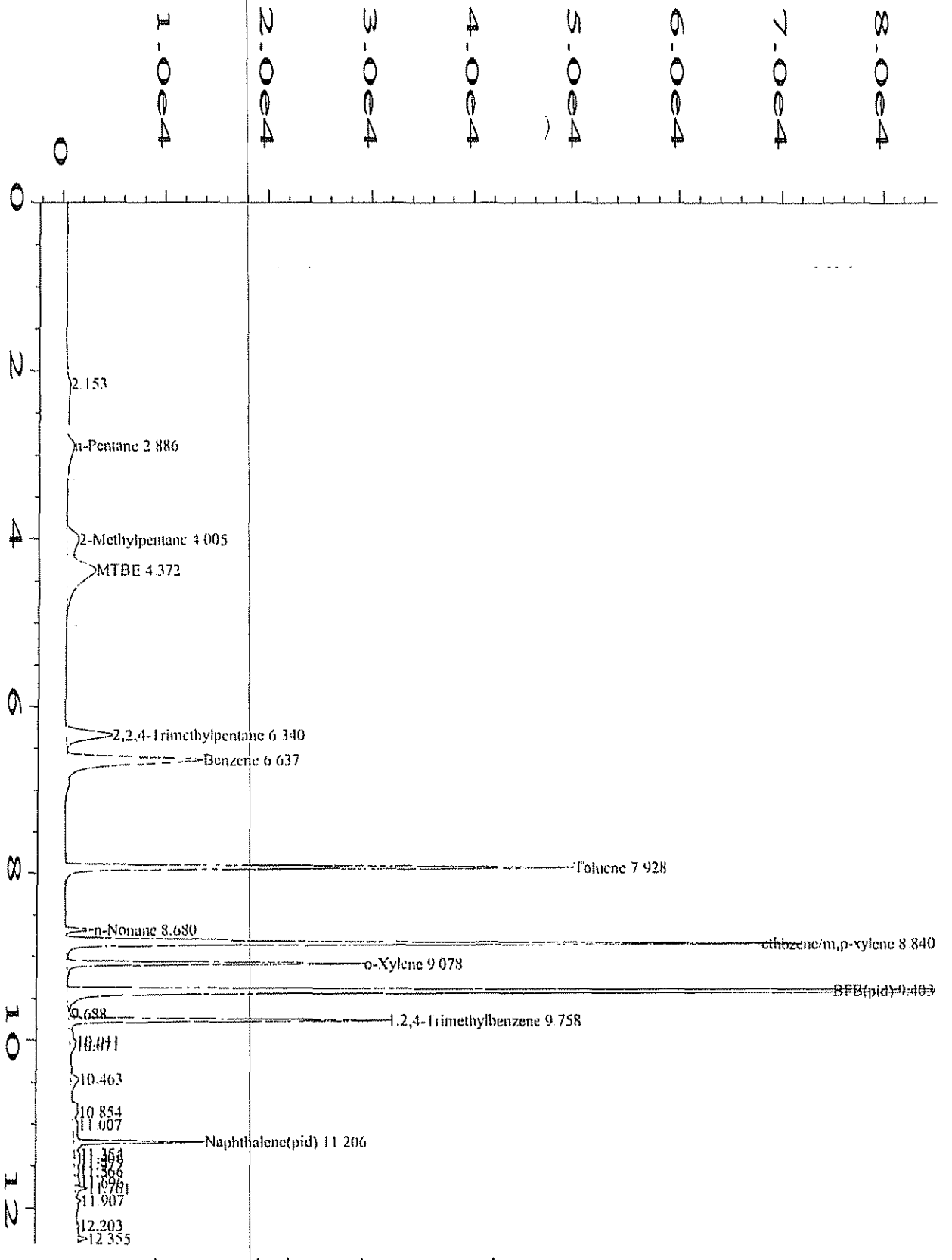
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp103105\028R0101.D
perator : MJC
nstrument : FID/PID
ample Name : v10
un Time Bar Code:
cquired on : 31 Oct 05 09:40 PM
eport Created on: 01 Nov 05 08:38 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 28
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\vp103105\028R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.886	8401	BB	0.166	1	1.340	n-Pentane
4.005	17279	BV	0.185	1	1.830	2-Methylpentane
4.372	47507	VB	0.222	1	1.576	MTBE
6.340	31575	BV	0.108	1	2.075	2,2,4-Trimethylpentane
6.637	81699	VV	0.094	1	1.027	Benzene
7.928	129643	BB	0.041	1	3.177	Toluene
8.680	6323	BV	0.037	1	0.932	n-Nonane
8.840	187330	VV	0.039	1	5.538	ethbzene/m,p-xylene
9.078	65742	VV	0.035	1	1.697	o-Xylene
9.403	419230	PV	0.033	1	28.216	BFB(pid)
9.758	64531	VV	0.032	1	2.102	1,2,4-Trimethylbenzene
11.206	26618	VV	0.032	1	1.521	Naphthalene(pid)
2.153	1319	BB	0.085		13.193	* uncalibrated *
9.688	877	VV	0.055		8.772	* uncalibrated *
10.011	4749	VV	0.091		47.488	* uncalibrated *
10.071	3094	VV	0.071		30.944	* uncalibrated *
10.463	5823	VV	0.103		58.229	* uncalibrated *
10.854	5570	VV	0.121		55.698	* uncalibrated *
11.007	5214	VV	0.129		52.141	* uncalibrated *
11.354	1889	VV	0.058		18.892	* uncalibrated *
11.406	2547	VV	0.066		25.466	* uncalibrated *
11.477	1377	VV	0.044		13.774	* uncalibrated *
11.566	2713	VV	0.073		27.132	* uncalibrated *
11.696	2911	VV	0.082		29.109	* uncalibrated *
11.761	3840	VV	0.046		38.395	* uncalibrated *
11.907	1183	VV	0.037		11.827	* uncalibrated *
12.203	716	PV	0.052		7.163	* uncalibrated *
12.355	2504	VBA	0.042		25.036	* uncalibrated *



ata File Name	: C:\HPCHEM\1\DATA\vp103105\028R0101.D		
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nstrument	: FID/PID	Vial Number	: 28
ample Name	: v10	Injection Number	: 1
in Time Bar Code:		Sequence Line	: 1
cquired on	: 31 Oct 05 09:40 PM	Instrument Method:	GAS1.MTH
eport Created on:	01 Nov 05 08:38 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

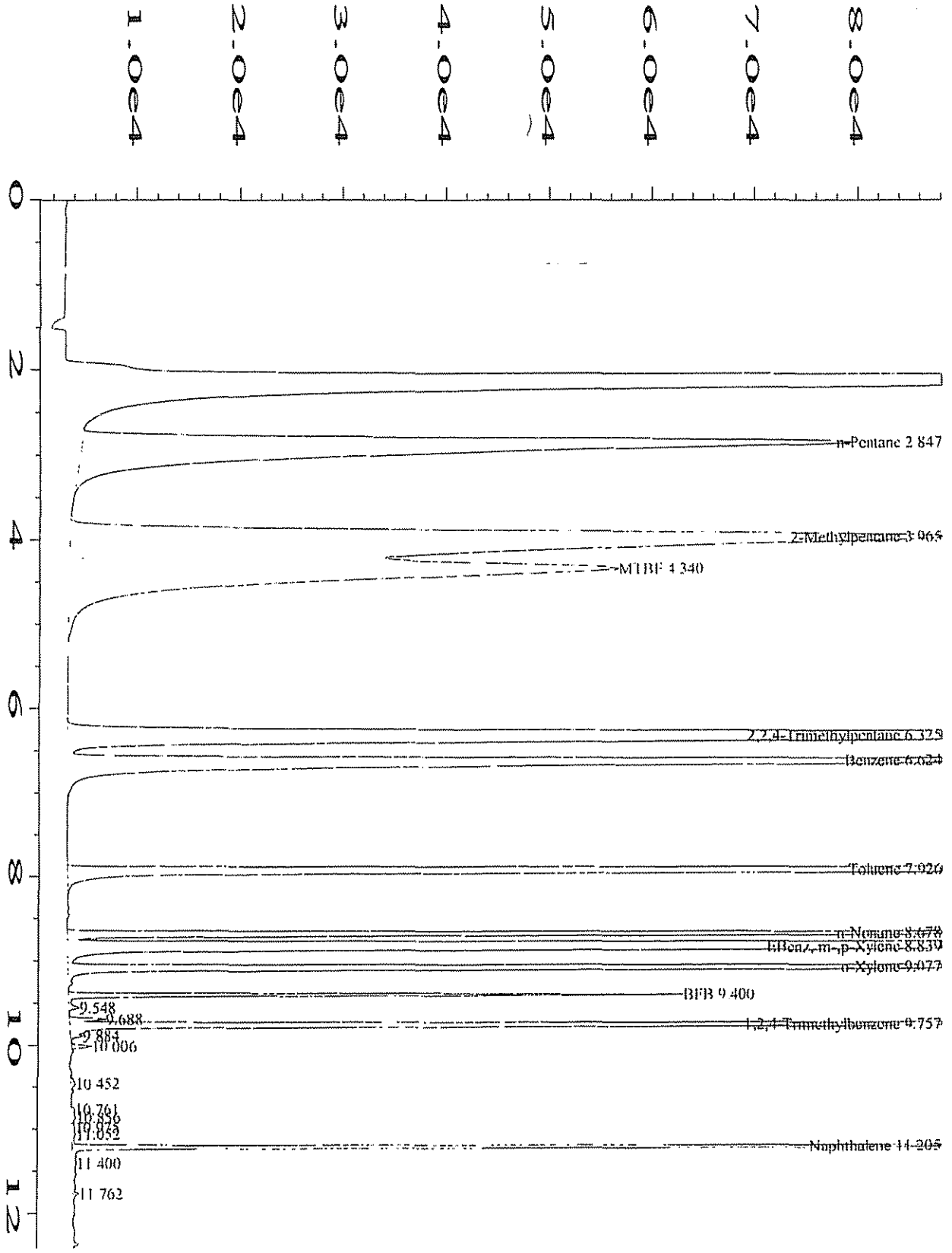
ata File Name : C:\HPCHEM\1\DATA\vp103105\029F0101.D
perator : MJC
nstrument : FID/PID
ample Name : v250
un Time Bar Code:
cquired on : 31 Oct 05 10:05 PM
eport Created on: 01 Nov 05 08:38 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 29
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\vp103105\029F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.847	910737	BV	0.173	1	1868.291	n-Pentane
3.965	1245149	PV	0.206	1	1629.347	2-Methylpentane
4.340	847946	VB	0.229	1	20759.96	MTBE
6.325	1171998	BV	0.102	1	2554.747	2,2,4-Trimethylpentane
6.624	727012	VB	0.083	1	626.467	Benzene
7.926	2026898	BV	0.038	1	2038.891	Toluene
8.678	524569	BV	0.035	1	660.991	n-Nonane
8.839	3091974	VV	0.038	1	3249.878	EBenz, m-,p-Xylene
9.077	1209796	VV	0.033	1	1276.619	o-Xylene
9.400	106616	PV	0.029	1	410.683	BFB
9.757	1154660	VV	0.031	1	1385.752	1,2,4-Trimethylbenzene
11.205	324514	VV	0.027	1	-1699.621	Naphthalene
9.548	3057	VV	0.044		30.571	* uncalibrated *
9.688	6830	PV	0.030		68.303	* uncalibrated *
9.884	2516	VV	0.037		25.165	* uncalibrated *
10.006	3501	PV	0.031		35.009	* uncalibrated *
10.452	2297	VV	0.072		22.966	* uncalibrated *
10.761	1081	BV	0.054		10.813	* uncalibrated *
10.856	2476	VV	0.076		24.764	* uncalibrated *
10.975	1446	VV	0.067		14.456	* uncalibrated *
11.052	1601	VV	0.060		16.013	* uncalibrated *
11.400	2483	VV	0.084		24.831	* uncalibrated *
11.762	1612	VV	0.052		16.117	* uncalibrated *

alibration table contains at least one peak with amt = 0



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nstrument	: FID/PID	Vial Number	: 29
ample Name	: v250	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 31 Oct 05 10:05 PM	Instrument Method	: GAS1.MTH
eport Created on	: 01 Nov 05 08:38 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\vp103105\029R0101.D
perator : MJC
nstrument : FID/PID
ample Name : v250
an Time Bar Code:
cquired on : 31 Oct 05 10:05 PM
eport Created on: 01 Nov 05 08:38 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 29
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

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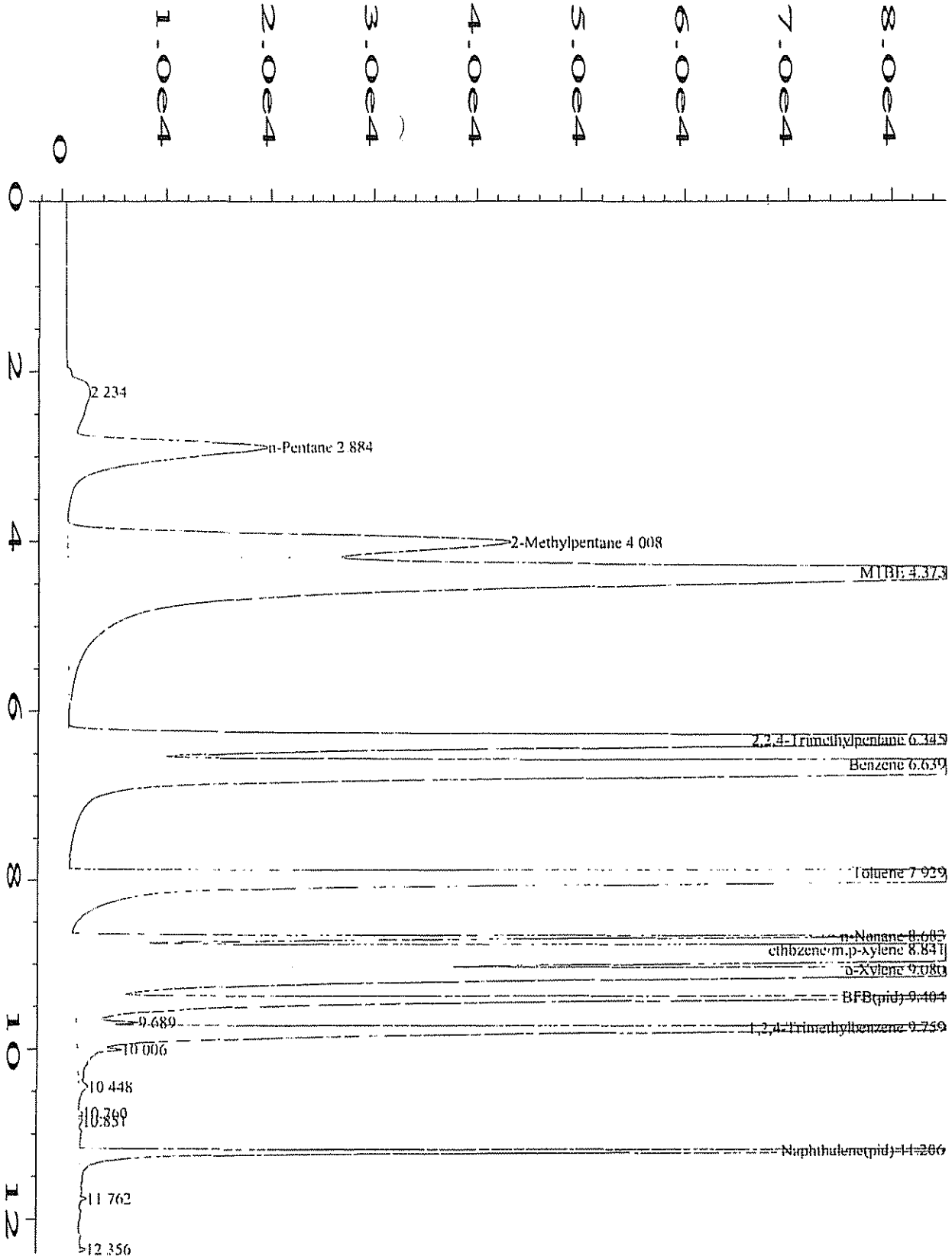
et Time	Area	Type	Width	Ref#	ug/L	Name
2.884	304111	VV	0.210	1	48.495	n-Pentane
4.008	630033	VV	0.184	1	66.718	2-Methylpentane
4.373	2078903	VV	0.243	1	68.968	MTBE
6.345	1342275	VV	0.126	1	88.217	2,2,4-Trimethylpentane
6.639	3305145	VV	0.115	1	41.541	Benzene
7.929	5299761	PV	0.052	1	129.884	Toluene
8.683	255747	VV	0.044	1	37.681	n-Nonane
8.841	6960234	VV	0.049	1	205.771	ethbzene/m,p-xylene
9.080	2699032	VV	0.046	1	69.682	o-Xylene
9.404	683358	VV	0.045	1	45.993	BFB(pid)
9.759	2012766	VV	0.036	1	65.557	1,2,4-Trimethylbenzene
11.206	666230	BV	0.030	1	38.064	Naphthalene(pid)
2.234	70807	BV	0.373		708.068	* uncalibrated *
9.689	15396	VV	0.043		153.959	* uncalibrated *
10.006	28311	VV	0.086		283.114	* uncalibrated *
10.448	6662	VV	0.103		66.623	* uncalibrated *
10.760	1188	BV	0.049		11.876	* uncalibrated *
10.851	1505	VV	0.066		15.047	* uncalibrated *
11.762	1970	VV	0.040		19.699	* uncalibrated *
12.356	1175	PBA	0.033		11.754	* uncalibrated *



ata File Name	: C:\HPCHEM\1\DATA\vp103105\029R0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 29
ample Name	: v250	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 31 Oct 05 10:05 PM	Instrument Method	: GAS1.MTH
eport Created on	: 01 Nov 05 08:38 AM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 10/31/05 PID Initial Calibration Date: 10/31/05

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	7.9	Calibration Factor
	1000		
	2000		
	3000		
	4000		
C_9-C_{12} Aliphatics	10	1.00	Linear Regression
	250		
	500		
	750		
	1000		
C_9-C_{10} Aromatics	10	16.20	Calibration Factor
	250		
	500		
	750		
	1000		

Calibration Check Date: 10/31/05

Calibration Check

Range	Levels (µg/L)	(mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	-3.6
C_9-C_{12} Aliphatics	500	50	-13.0
C_9-C_{10} Aromatics	500	50	-3.5

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

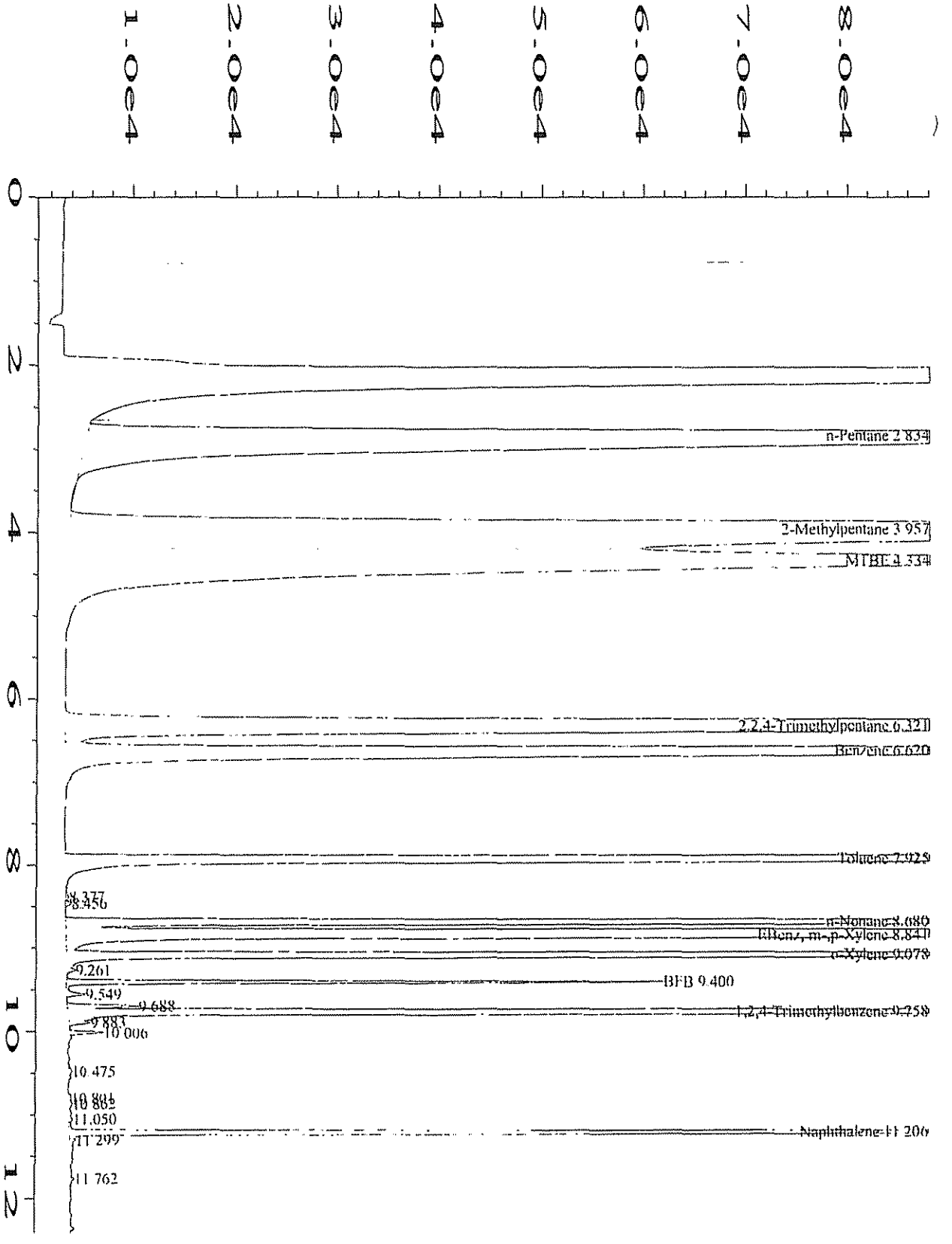
ata File Name : C:\HPCHEM\1\DATA\vp103105\030F0101.D
perator : MJC
nstrument : FID/PID
ample Name : v500
un Time Bar Code:
cquired on : 31 Oct 05 10:29 PM
eport Created on: 01 Nov 05 08:39 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

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\vp103105\030F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.834	1758547	BV	0.156	1	4310.518	n-Pentane
3.957	2550248	PV	0.200	1	3886.666	2-Methylpentane
4.334	1581146	VB	0.220	1	45728.79	MTBE
6.321	2425728	BV	0.103	1	6193.266	2,2,4-Trimethylpentane
6.620	1449755	VB	0.078	1	1396.519	Benzene
7.925	3970990	BV	0.038	1	4670.921	Toluene
8.680	1642374	BV	0.035	1	2561.956	n-Nonane
8.841	6220684	VV	0.037	1	8013.066	EBenz, m-,p-Xylene
9.078	2398075	VV	0.033	1	3097.695	o-Xylene
9.400	103944	PV	0.028	1	400.393	BFB
9.758	2279913	VV	0.031	1	3330.085	1,2,4-Trimethylbenzene
11.206	699125	VV	0.026	1	-5904.190	Naphthalene
8.377	1509	VV	0.061		15.095	* uncalibrated *
8.456	1500	VB	0.041		15.004	* uncalibrated *
9.261	2369	VV	0.041		23.685	* uncalibrated *
9.549	4798	VV	0.039		47.981	* uncalibrated *
9.688	13776	PV	0.030		137.757	* uncalibrated *
9.883	4465	VV	0.035		44.646	* uncalibrated *
10.006	6281	PV	0.030		62.813	* uncalibrated *
10.475	1743	PV	0.084		17.426	* uncalibrated *
10.801	1066	BV	0.067		10.657	* uncalibrated *
10.862	1480	VV	0.066		14.797	* uncalibrated *
11.050	1267	VV	0.047		12.671	* uncalibrated *
11.299	2130	VV	0.048		21.304	* uncalibrated *
11.762	1448	VV	0.054		14.478	* uncalibrated *

alibration table contains at least one peak with amt = 0



ata File Name	: C:\HPCHEM\1\DATA\vp103105\030F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 30
ample Name	: v500	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 31 Oct 05 10:29 PM	Instrument Method:	GAS1.MTH
eport Created on:	01 Nov 05 08:39 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

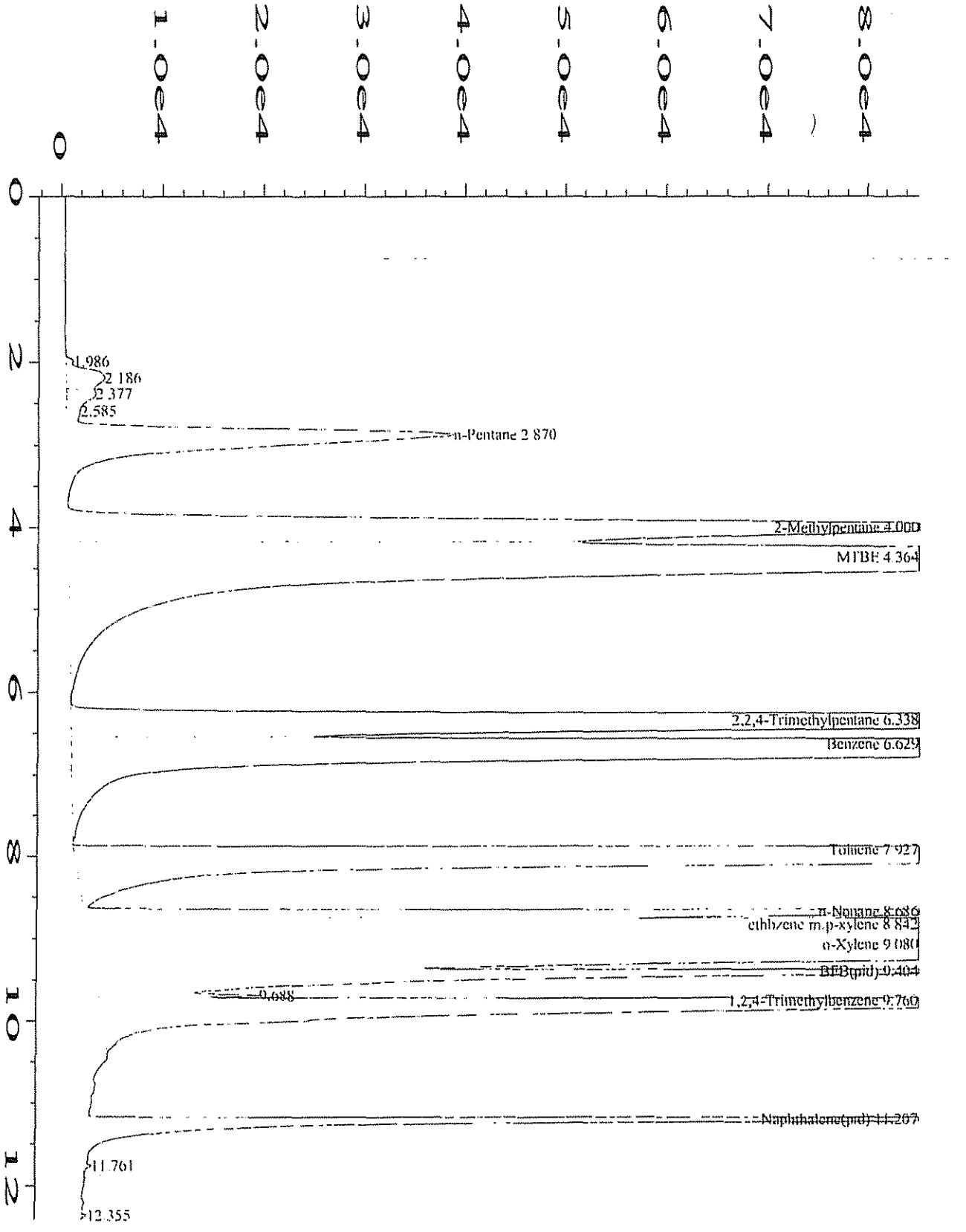
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp103105\030R0101.D
perator : MJC
nstrument : FID/PID
ample Name : v500
un Time Bar Code:
cquired on : 31 Oct 05 10:29 PM
eport Created on: 01 Nov 05 08:39 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\vp103105\030R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.870	557651	VV	0.200	1	88.925	n-Pentane
4.000	1326782	PV	0.188	1	140.500	2-Methylpentane
4.364	4320779	VV	0.254	1	143.343	MTBE
6.338	2809813	VV	0.130	1	184.666	2,2,4-Trimethylpentane
6.629	6056778	VV	0.109	1	76.126	Benzene
7.927	9541446	PV	0.054	1	233.836	Toluene
8.686	927705	VV	0.048	1	136.683	n-Nonane
8.842	1.29911E+007	VV	0.052	1	384.065	ethbzene/m,p-xylene
9.080	6297135	VV	0.052	1	162.576	o-Xylene
9.404	982370	VV	0.057	1	66.118	BFB(pid)
9.760	4447093	VV	0.039	1	144.845	1,2,4-Trimethylbenzene
11.207	1549888	BV	0.031	1	88.550	Naphthalene(pid)
1.986	3104	BV	0.065		31.041	* uncalibrated *
2.186	52895	VV	0.168		528.950	* uncalibrated *
2.377	34026	VV	0.143		340.259	* uncalibrated *
2.585	9713	VV	0.115		97.133	* uncalibrated *
9.688	44049	VV	0.046		440.490	* uncalibrated *
11.761	1997	VV	0.044		19.972	* uncalibrated *
12.355	988	PBA	0.032		9.879	* uncalibrated *



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nstrument	: FID/PID	Vial Number	: 30
ample Name	: v500	Injection Number	: 1
un Time Bar Code	:	Sequence Line	: 1
cquired on	: 31 Oct 05 10:29 PM	Instrument Method	: GAS1.MTH
eport Created on	: 01 Nov 05 08:39 AM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

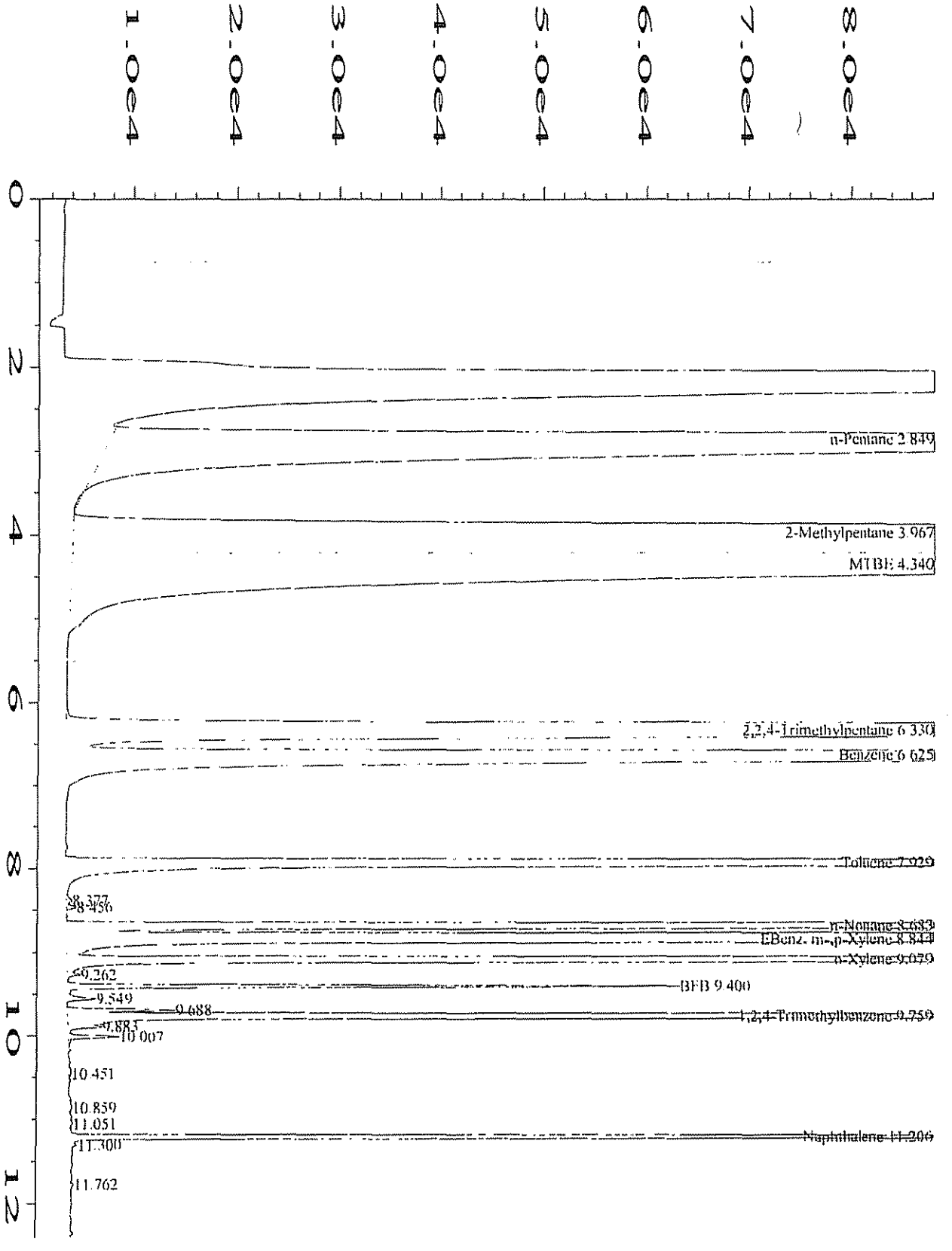
External Standard Report

ata File Name	: C:\HPCHEM\1\DATA\vp103105\032F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 32
ample Name	: v750	Injection Number	: 1
un Time Bar Code	:	Sequence Line	: 1
cquired on	: 31 Oct 05 11:18 PM	Instrument Method	: GAS1.MTH
eport Created on	: 01 Nov 05 08:39 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\vp103105\032F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.849	2624887	BV	0.184	1	6806.122	n-Pentane
3.967	3518648	PV	0.206	1	5561.625	2-Methylpentane
4.340	2523927	VB	0.234	1	77834.82	MTBE
6.330	3847602	BV	0.102	1	10319.76	2,2,4-Trimethylpentane
6.625	2141584	VB	0.085	1	2133.633	Benzene
7.929	6153890	BV	0.037	1	7626.261	Toluene
8.683	2684087	BV	0.035	1	4333.518	n-Nonane
8.844	9700228	VV	0.036	1	13310.37	EBenz, m-,p-Xylene
9.079	3626745	VV	0.032	1	4980.672	o-Xylene
9.400	106911	VV	0.029	1	411.822	BFB
9.759	3405045	VV	0.030	1	5274.211	1,2,4-Trimethylbenzene
11.206	941683	VV	0.026	1	-8626.629	Naphthalene
8.377	2150	VV	0.056		21.497	* uncalibrated *
8.456	2496	VB	0.041		24.962	* uncalibrated *
9.262	3709	VV	0.042		37.094	* uncalibrated *
9.549	6797	VV	0.037		67.967	* uncalibrated *
9.688	20454	PV	0.032		204.536	* uncalibrated *
9.883	7764	VV	0.039		77.639	* uncalibrated *
10.007	10783	VV	0.034		107.830	* uncalibrated *
10.451	1378	VV	0.074		13.777	* uncalibrated *
10.859	1641	VV	0.078		16.408	* uncalibrated *
11.051	1130	VV	0.050		11.299	* uncalibrated *
11.300	2295	VV	0.044		22.954	* uncalibrated *
11.762	1201	VV	0.056		12.008	* uncalibrated *

alibration table contains at least one peak with amt = 0



ata File Name	: C:\HPCHEM\1\DATA\vp103105\032F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 32
ample Name	: v750	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 31 Oct 05 11:18 PM	Instrument Method:	GAS1.MTH
eport Created on:	01 Nov 05 08:39 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

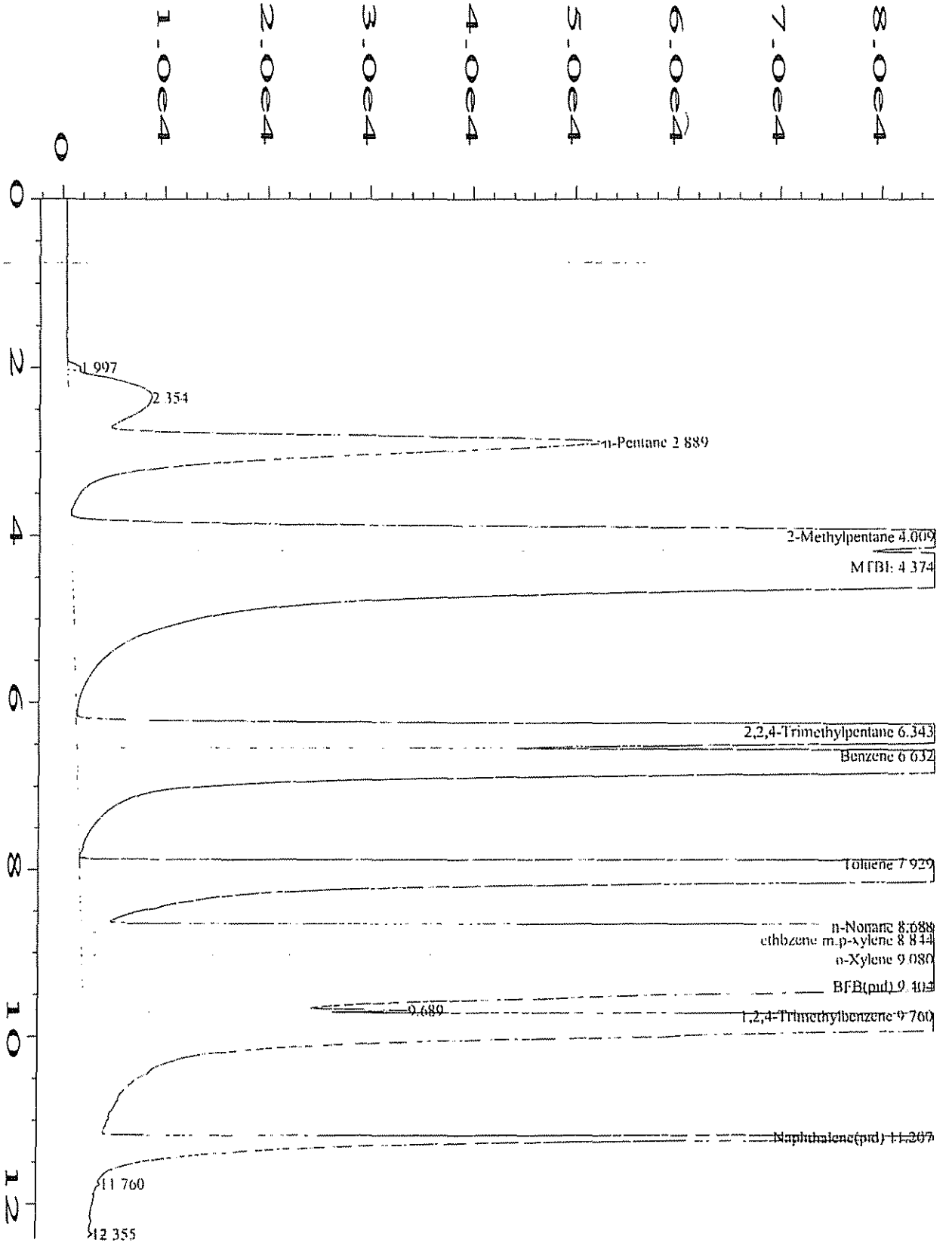
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp103105\032R0101.D
perator : MJC
nstrument : FID/PID
ample Name : v750
un Time Bar Code:
cquired on : 31 Oct 05 11:18 PM
eport Created on: 01 Nov 05 08:39 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 32
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\vp103105\032R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.889	886135	VV	0.231	1	141.306	n-Pentane
4.009	1780875	VV	0.219	1	188.587	2-Methylpentane
4.374	6395184	VV	0.273	1	212.163	MTBE
6.343	4264596	VV	0.131	1	280.278	2,2,4-Trimethylpentane
6.632	8379129	VV	0.121	1	105.314	Benzene
7.929	1.34548E+007	PV	0.056	1	329.743	Toluene
8.688	1516135	VV	0.048	1	223.380	n-Nonane
8.844	1.78073E+007	VV	0.053	1	526.451	ethbzene/m,p-xylene
9.080	9495164	VV	0.055	1	245.141	o-Xylene
9.404	1403577	VV	0.068	1	94.467	BFB(pid)
9.760	7251645	VV	0.075	1	236.192	1,2,4-Trimethylbenzene
11.207	2224923	VV	0.057	1	127.117	Naphthalene(pid)
1.997	5683	BV	0.065		56.831	* uncalibrated *
2.354	244880	VV	0.365		2448.799	* uncalibrated *
9.689	85502	VV	0.045		855.017	* uncalibrated *
11.760	7700	VV	0.087		77.001	* uncalibrated *
12.355	261	PBA	0.020		2.614	* uncalibrated *



ata File Name	: C:\HPCHEM\1\DATA\vp103105\032R0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 32
ample Name	: v750	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 31 Oct 05 11:18 PM	Instrument Method:	GAS1.MTH
eport Created on:	01 Nov 05 08:39 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

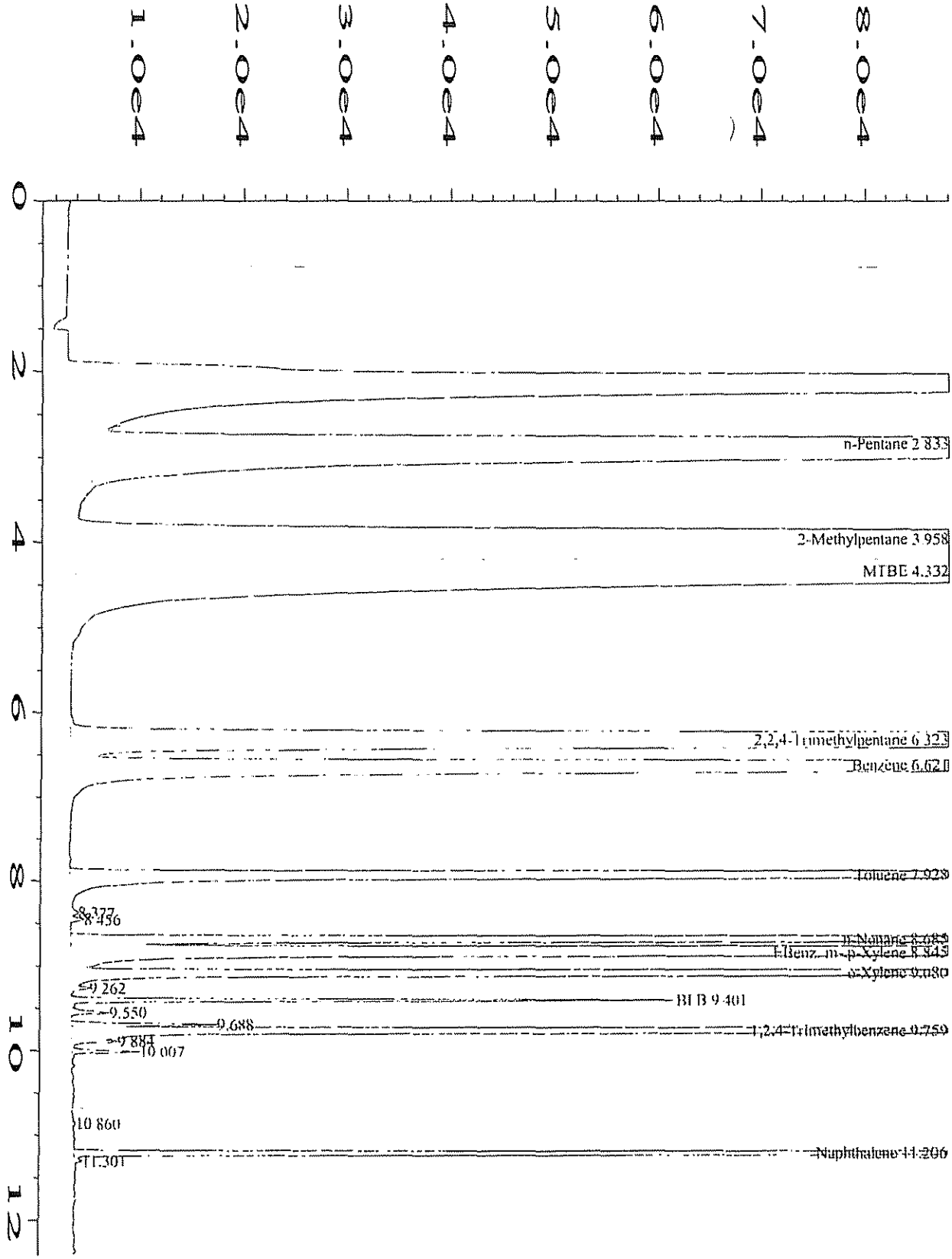
ata File Name : C:\HPCHEM\1\DATA\vp103105\034F0101.D
perator : MJC
nstrument : FID/PID
ample Name : ~~b1000~~
un Time Bar Code: V1000
cquired on : 01 Nov 05 00:06 AM
eport Created on: 01 Nov 05 08:39 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 34
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp103105\034F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.833	3513089	BV	0.161	1	9364.702	n-Pentane
3.958	5005921	PV	0.211	1	8134.037	2-Methylpentane
4.332	3109211	VB	0.223	1	97766.44	MTBE
6.323	5158809	BV	0.102	1	14125.09	2,2,4-Trimethylpentane
6.621	2849844	VB	0.078	1	2888.254	Benzene
7.928	8213589	VV	0.036	1	10414.81	Toluene
8.685	3613715	BV	0.036	1	5914.465	n-Nonane
8.845	1.33037E+007	VV	0.035	1	18796.35	EBenz, m-,p-Xylene
9.080	4862508	VV	0.032	1	6874.517	o-Xylene
9.401	104538	VV	0.029	1	402.679	BFB
9.759	4575214	VV	0.030	1	7296.154	1,2,4-Trimethylbenzene
11.206	1257541	PV	0.026	1	-12171.78	Naphthalene
8.377	2734	VV	0.054		27.341	* uncalibrated *
8.456	3320	VB	0.041		33.205	* uncalibrated *
9.262	5058	VV	0.043		50.584	* uncalibrated *
9.550	8699	VV	0.036		86.991	* uncalibrated *
9.688	27130	PV	0.032		271.296	* uncalibrated *
9.884	10065	VV	0.038		100.649	* uncalibrated *
10.007	13500	VV	0.033		134.998	* uncalibrated *
10.860	1393	BV	0.077		13.934	* uncalibrated *
11.301	1430	VV	0.031		14.300	* uncalibrated *

alibration table contains at least one peak with amt = 0



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perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 34
ample Name	: b1000	Injection Number	: 1
un Time Bar Code	:	Sequence Line	: 1
cquired on	: 01 Nov 05 00:06 AM	Instrument Method	: GAS1.MTH
eport Created on	: 01 Nov 05 08:39 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

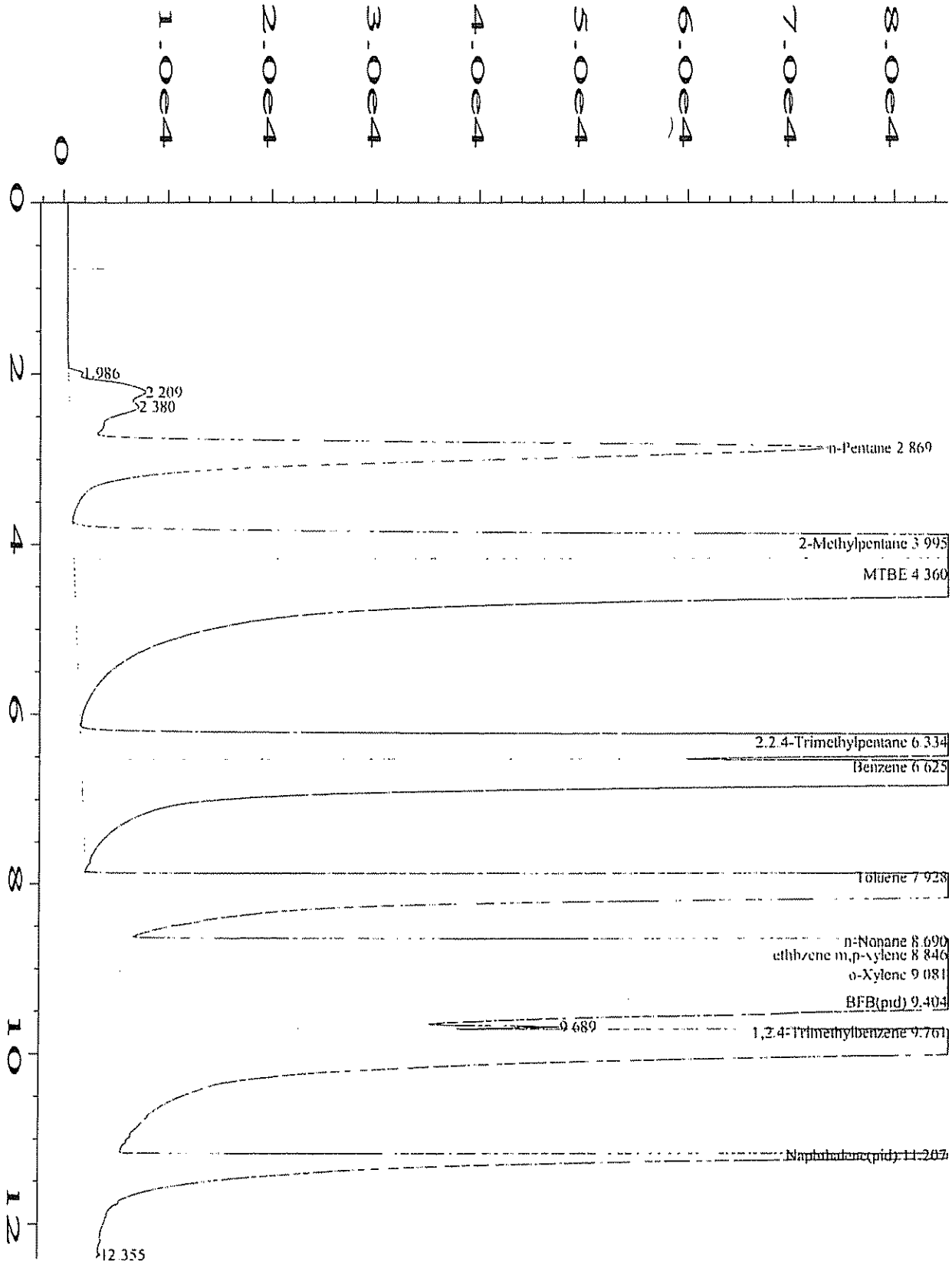
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp103105\034R0101.D
perator : MJC
nstrument : FID/PID
ample Name : b1000
un Time Bar Code:
cquired on : 01 Nov 05 00:06 AM
eport Created on: 01 Nov 05 08:39 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\vp103105\034R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.869	1092877	VV	0.203	1	174.273	n-Pentane
3.995	2551880	PV	0.201	1	270.233	2-Methylpentane
4.360	8220973	VV	0.270	1	272.734	MTBE
6.334	5421292	VV	0.132	1	356.298	2,2,4-Trimethylpentane
6.625	1.01105E+007	VV	0.112	1	127.075	Benzene
7.928	1.64483E+007	VV	0.057	1	403.106	Toluene
8.690	1959279	VV	0.048	1	288.670	n-Nonane
8.846	2.18901E+007	VV	0.054	1	647.156	ethbzene/m,p-xylene
9.081	1.19064E+007	VV	0.056	1	307.395	o-Xylene
9.404	1810964	VV	0.076	1	121.886	BFB(pid)
9.761	9858849	VV	0.077	1	321.111	1,2,4-Trimethylbenzene
11.207	3124640	VV	0.058	1	178.521	Naphthalene(pid)
1.986	6157	PV	0.068		61.567	* uncalibrated *
2.209	96683	VV	0.165		966.827	* uncalibrated *
2.380	102507	VV	0.192		1025.074	* uncalibrated *
9.689	123235	VV	0.045		1232.353	* uncalibrated *
12.355	891	PBA	0.078		8.905	* uncalibrated *



ata File Name	: C:\HPCHEM\1\DATA\vp103105\034R0101.D		
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nstrument	: FID/PID	Vial Number	: 34
ample Name	: b1000	Injection Number	: 1
in Time Bar Code:		Sequence Line	: 1
equired on	: 01 Nov 05 00:06 AM	Instrument Method:	GAS1.MTH
eport Created on:	01 Nov 05 08:39 AM	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: 10/31/05 PID Initial Calibration Date: 10/31/05

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	7.9	Calibration Factor
	1000		
	2000		
	3000		
	4000		
C_9-C_{12} Aliphatics	10	1.00	Linear Regression
	250		
	500		
	750		
	1000		
C_9-C_{10} Aromatics	10	16.20	Calibration Factor
	250		
	500		
	750		
	1000		

Calibration Check Date: 12/09/05

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	RPD
C_5-C_8 Aliphatics	2000	200	2.6
C_9-C_{12} Aliphatics	500	50	-10.9
C_9-C_{10} Aromatics	500	50	4.5

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

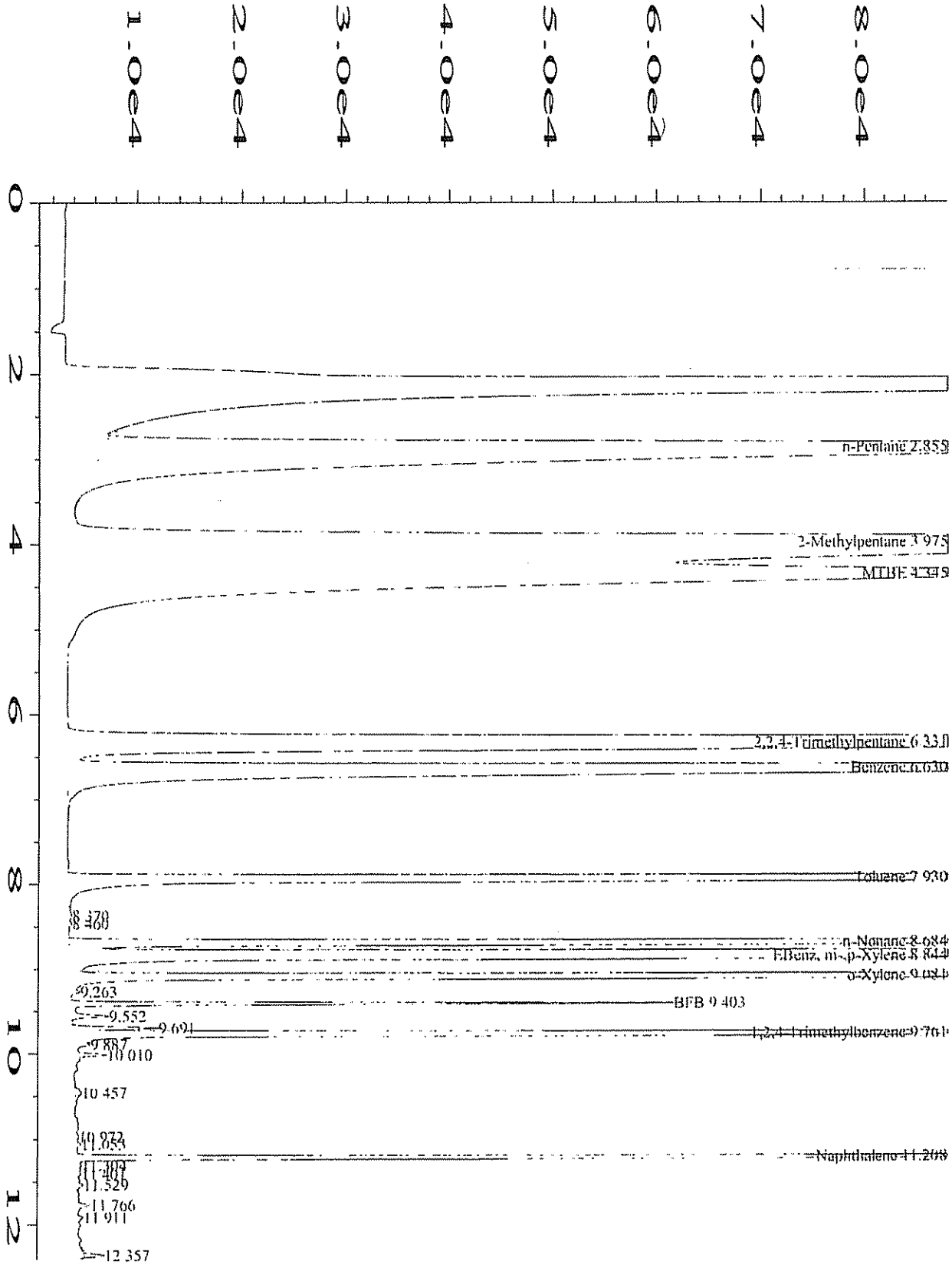
ata File Name : C:\HPCHEM\1\DATA\vp120905\002F0101.D
perator : MJC
nstrument : FID/PID
ample Name : V 500
un Time Bar Code:
cquired on : 09 Dec 05 11:18 AM
eport Created on: 09 Dec 05 01:27 PM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

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 :

ig. 1 in C:\HPCHEM\1\DATA\vp120905\002F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.855	1625325	BV	0.178	1	3926.754	n-Pentane
3.975	2296525	PV	0.208	1	3447.823	2-Methylpentane
4.345	1499369	VB	0.215	1	42943.89	MTBE
6.331	2403700	BV	0.102	1	6129.336	2,2,4-Trimethylpentane
6.630	1414375	VB	0.084	1	1358.823	Benzene
7.930	3941247	BV	0.038	1	4630.653	Toluene
8.684	1608847	BV	0.035	1	2504.940	n-Nonane
8.844	6091051	VV	0.037	1	7815.712	EBenz, m-,p-Xylene
9.081	2345485	VV	0.033	1	3017.100	o-Xylene
9.403	103929	PV	0.029	1	400.335	BFB
9.761	2185908	VV	0.030	1	3167.654	1,2,4-Trimethylbenzene
11.208	669635	VV	0.026	1	-5573.210	Naphthalene
8.370	1920	VV	0.090		19.198	* uncalibrated *
8.460	1043	VB	0.049		10.431	* uncalibrated *
9.263	2439	VV	0.041		24.390	* uncalibrated *
9.552	8653	VV	0.037		86.526	* uncalibrated *
9.691	16223	VV	0.030		162.231	* uncalibrated *
9.887	5042	VV	0.051		50.425	* uncalibrated *
10.010	9862	VV	0.044		98.621	* uncalibrated *
10.457	3464	PV	0.077		34.642	* uncalibrated *
10.972	1389	VV	0.060		13.890	* uncalibrated *
11.053	1685	VV	0.047		16.852	* uncalibrated *
11.304	1327	VV	0.037		13.266	* uncalibrated *
11.401	1242	VV	0.040		12.424	* uncalibrated *
11.529	1954	VV	0.044		19.535	* uncalibrated *
11.766	4027	VV	0.046		40.265	* uncalibrated *
11.911	1486	VV	0.039		14.859	* uncalibrated *
12.357	4218	PBA	0.034		42.178	* uncalibrated *

alibration table contains at least one peak with amt = 0



ata File Name	: C:\HPCHEM\1\DATA\vp120905\002F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 2
ample Name	: V 500	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 09 Dec 05 11:18 AM	Instrument Method	: GAS1.MTH
eport Created on	: 09 Dec 05 01:27 PM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

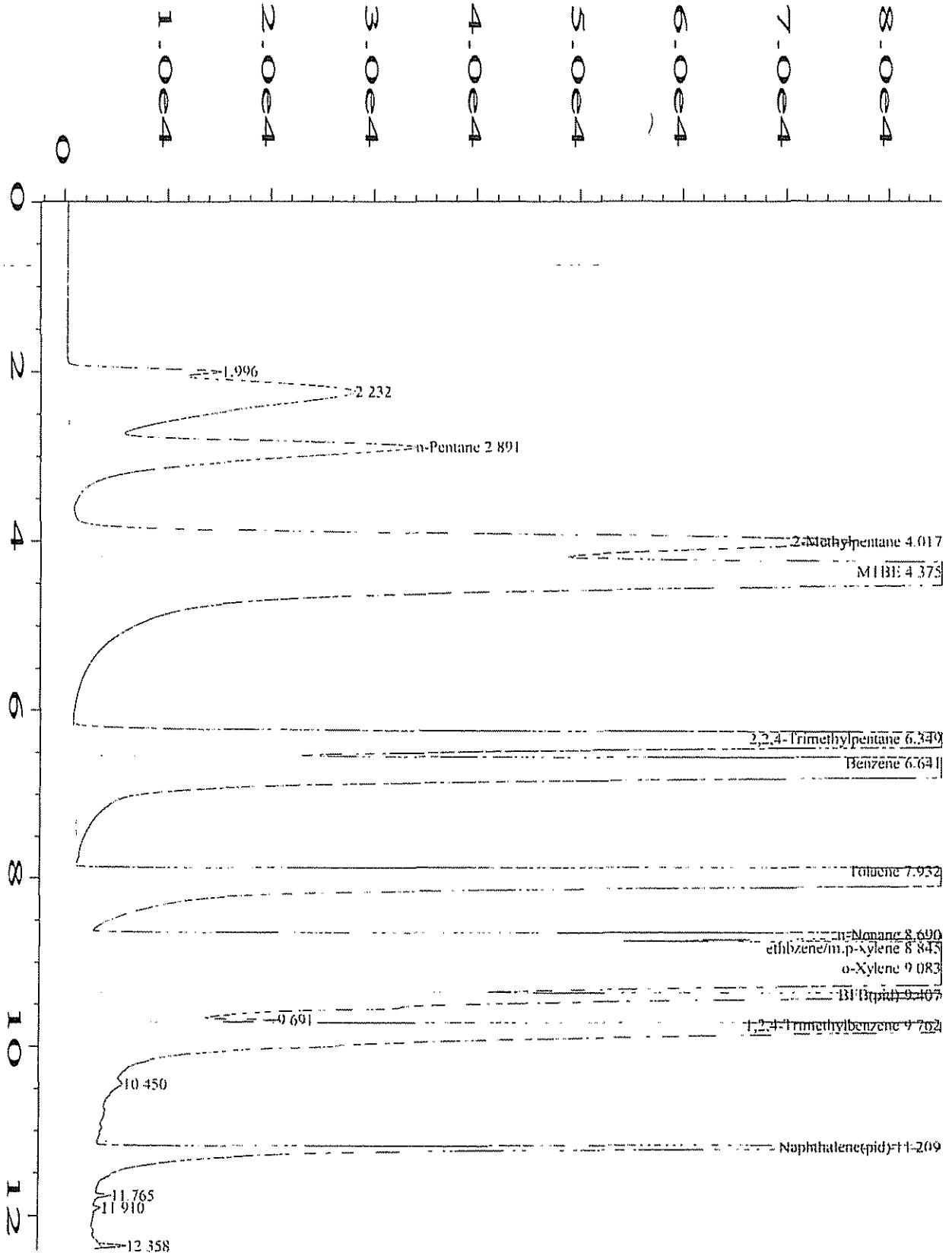
External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp120905\002R0101.D
perator : MJC
nstrument : FID/PID
ample Name : V 500
un Time Bar Code:
cquired on : 09 Dec 05 11:18 AM
eport Created on: 09 Dec 05 01:27 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\vp120905\002R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.891	570659	VV	0.217	1	90.999	n-Pentane
4.017	1131187	VV	0.178	1	119.788	2-Methylpentane
4.375	3608921	VV	0.228	1	119.727	MTBE
6.349	2649578	PV	0.130	1	174.136	2,2,4-Trimethylpentane
6.641	5786616	VV	0.119	1	72.730	Benzene
7.932	9065459	PV	0.055	1	222.171	Toluene
8.690	865472	VV	0.048	1	127.514	n-Nonane
8.845	1.20266E+007	VV	0.052	1	355.552	ethbzene/m,p-xylene
9.083	6081474	VV	0.055	1	157.009	o-Xylene
9.407	997633	VV	0.060	1	67.145	BFB(pid)
9.762	4103375	VV	0.040	1	133.650	1,2,4-Trimethylbenzene
11.209	1393078	VV	0.032	1	79.591	Naphthalene(pid)
1.996	79382	PV	0.083		793.822	* uncalibrated *
2.232	688816	VV	0.301		6888.159	* uncalibrated *
9.691	53111	VV	0.040		531.110	* uncalibrated *
10.450	47382	VV	0.174		473.823	* uncalibrated *
11.765	5007	VV	0.042		50.069	* uncalibrated *
11.910	1706	VV	0.035		17.057	* uncalibrated *
12.358	4605	PBA	0.031		46.046	* uncalibrated *



ata File Name	: C:\HPCHEM\1\DATA\vp120905\002R0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 2
ample Name	: V 500	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 09 Dec 05 11:18 AM	Instrument Method	: GAS1.MTH
eport Created on	: 09 Dec 05 01:27 PM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

VPH QC, Blanks Raw Data

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp120905\033F0101.D
perator : MJC
nstrument : FID/PID
ample Name : lcs4120905b
un Time Bar Code:
cquired on : 10 Dec 05 00:23 AM
eport Created on: 12 Dec 05 08:17 AM 469.90
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 33
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\vp120905\033F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.831	11529	BV	0.104	1	11.499	n-Pentane
3.954	56929	PV	0.200	1	10.111	2-Methylpentane
4.269	56909	VV	0.226	1	133.403	MTBE
6.319	58855	VV	0.109	1	11.305	2,2,4-Trimethylpentane
6.623	71302	VV	0.138	1	9.037	Benzene
7.924	196032	VV	0.041	1	20.809	Toluene
8.680	4932	VV	0.063	1	1.237	n-Nonane
8.838	192987	VV	0.042	1	18.865	EBenz, m-,p-Xylene
9.078	65233	VV	0.038	1	6.477	o-Xylene
9.401	97085	PV	0.044	1	373.969	BFB
9.758	109886	VV	0.041	1	11.695	1,2,4-Trimethylbenzene
11.210	5509	VV	0.051	1	1.300	Naphthalene
3.256	7670	PV	0.085		76.705	* uncalibrated *
4.598	36354	VV	0.181		363.538	* uncalibrated *
4.920	24150	VV	0.203		241.502	* uncalibrated *
5.253	23156	VV	0.219		231.563	* uncalibrated *
5.525	24022	VV	0.163		240.224	* uncalibrated *
5.976	20812	VV	0.090		208.115	* uncalibrated *
6.147	46600	VV	0.118		466.002	* uncalibrated *
6.846	6039	VV	0.069		60.387	* uncalibrated *
6.975	16915	VV	0.117		169.151	* uncalibrated *
7.142	10899	VV	0.087		108.986	* uncalibrated *
7.285	26089	VV	0.070		260.886	* uncalibrated *
7.388	36915	VV	0.073		369.151	* uncalibrated *
7.527	20793	VV	0.085		207.935	* uncalibrated *
7.794	12634	VV	0.080		126.342	* uncalibrated *
8.067	6736	VV	0.105		67.361	* uncalibrated *
8.372	10257	PV	0.069		102.571	* uncalibrated *
8.457	5199	VV	0.058		51.987	* uncalibrated *
9.261	5652	VV	0.041		56.525	* uncalibrated *
9.526	111103	VV	0.054		1111.028	* uncalibrated *
10.008	19811	VV	0.046		198.108	* uncalibrated *
10.106	53071	VV	0.073		530.712	* uncalibrated *
10.321	28487	VV	0.070		284.865	* uncalibrated *
10.559	37047	VV	0.098		370.468	* uncalibrated *
10.764	18790	VV	0.094		187.904	* uncalibrated *
10.967	7652	VV	0.062		76.525	* uncalibrated *
11.057	2760	VV	0.062		27.596	* uncalibrated *
11.362	4526	VV	0.074		45.260	* uncalibrated *
11.484	7195	VV	0.096		71.947	* uncalibrated *
11.635	1888	VV	0.046		18.885	* uncalibrated *

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ata File Name    : C:\HPCHEM\1\DATA\vp120905\033F0101.D
perator          : MJC                          Page Number       : 2
nstrument        : FID/PID                      Vial Number       : 33
ample Name       : lcs4120905b                  Injection Number  : 1
un Time Bar Code:                               Sequence Line     : 1
cquired on       : 10 Dec 05  00:23 AM          Instrument Method: GAS1.MTH
eport Created on: 12 Dec 05  08:17 AM           Analysis Method   : VPH_FID.MTH
ast Recalib on   : 24 AUG 04 09:09 AM           Sample Amount     : 0
ultiplier        : 1                            ISTD Amount       :

 11.768        11848 VV   0.076        118.477 * uncalibrated *
 11.924         8644 VV   0.100         86.444 * uncalibrated *
 12.184         3888 VV   0.058         38.878 * uncalibrated *

alibration table contains at least one peak with amt = 0

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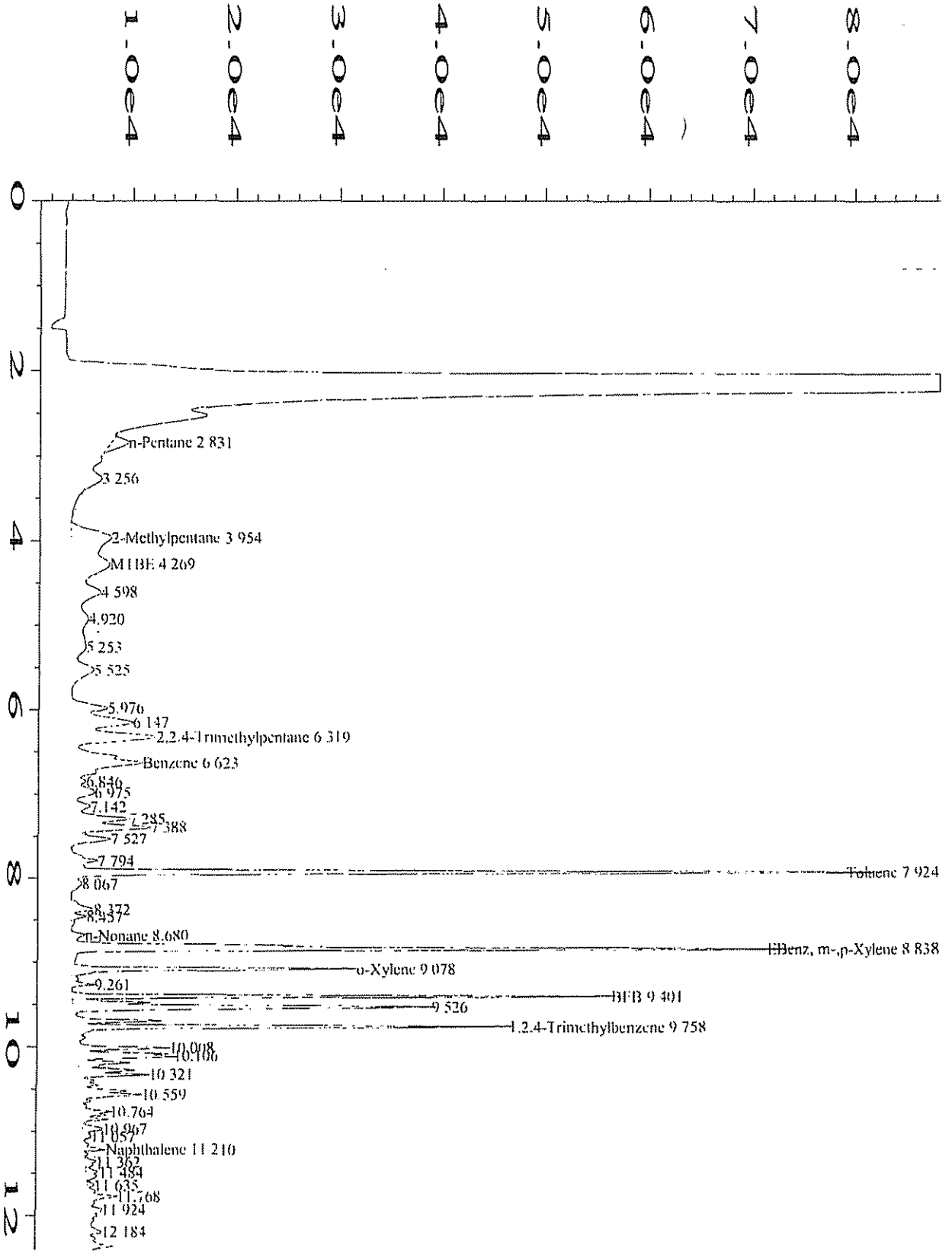

ata File Name	: C:\HPCHEM\1\DATA\vp120905\033F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 33
ample Name	: lcs4120905b	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 10 Dec 05 00:23 AM	Instrument Method:	GAS1.MTH
eport Created on:	12 Dec 05 08:17 AM	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\vp120905\033R0101.D
perator : MJC
nstrument : FID/PID
ample Name : lcs4120905b
un Time Bar Code:
cquired on : 10 Dec 05 00:23 AM
eport Created on: 12 Dec 05 08:17 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 1
Vial Number : 33
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\vp120905\033R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.885	31536	VV	0.143	1	5.029	n-Pentane
4.094	34908	VV	0.230	1	3.697	2-Methylpentane
4.330	39644	VV	0.206	1	1.315	MTBE
6.329	47550	VV	0.119	1	3.125	2,2,4-Trimethylpentane
6.635	136416	VV	0.108	1	1.715	Benzene
7.927	347128	VV	0.043	1	8.507	Toluene
8.682	2720	PV	0.071	1	0.401	n-Nonane
8.840	299386	VV	0.042	1	8.851	ethbzene/m,p-xylene
9.079	82230	VV	0.065	1	2.123	o-Xylene
9.403	356726	PV	0.034	1	24.009	BFB(pid)
9.759	119801	VV	0.056	1	3.902	1,2,4-Trimethylbenzene
11.210	6868	VV	0.034	1	0.392	Naphthalene(pid)
2.125	46756	BV	0.176		467.560	* uncalibrated *
2.573	40113	VV	0.163		401.126	* uncalibrated *
3.066	31248	VV	0.130		312.483	* uncalibrated *
3.258	61504	VV	0.212		615.045	* uncalibrated *
4.570	20696	VV	0.174		206.964	* uncalibrated *
4.927	31873	VV	0.240		318.734	* uncalibrated *
5.270	16751	VV	0.166		167.508	* uncalibrated *
5.535	8840	VV	0.147		88.404	* uncalibrated *
5.985	7482	PV	0.084		74.820	* uncalibrated *
6.142	31138	VV	0.133		311.380	* uncalibrated *
6.844	7371	VV	0.073		73.713	* uncalibrated *
6.994	10402	VV	0.113		104.020	* uncalibrated *
7.147	9271	VV	0.085		92.708	* uncalibrated *
7.291	20398	VV	0.070		203.984	* uncalibrated *
7.391	31223	VV	0.079		312.233	* uncalibrated *
7.534	14924	VV	0.084		149.244	* uncalibrated *
7.795	8170	VV	0.084		81.704	* uncalibrated *
8.057	8372	VV	0.087		83.721	* uncalibrated *
8.363	7103	VV	0.080		71.033	* uncalibrated *
8.460	3501	VV	0.058		35.012	* uncalibrated *
9.201	1093	VV	0.035		10.928	* uncalibrated *
9.263	6207	VV	0.039		62.071	* uncalibrated *
9.528	141130	VV	0.052		1411.302	* uncalibrated *
9.689	20707	VV	0.035		207.065	* uncalibrated *
9.891	3908	VV	0.048		39.076	* uncalibrated *
10.009	23484	VV	0.034		234.835	* uncalibrated *
10.112	48113	VV	0.053		481.131	* uncalibrated *
10.181	16349	VV	0.045		163.489	* uncalibrated *
10.272	15876	VV	0.044		158.763	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp120905\033R0101.D
perator : MJC
nstrument : FID/PID
ample Name : lcs4120905b
un Time Bar Code:
cquired on : 10 Dec 05 00:23 AM
eport Created on: 12 Dec 05 08:17 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

Page Number : 2
Vial Number : 33
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.322	15737	VV	0.033	157.369	* uncalibrated *
10.404	3305	VV	0.038	33.049	* uncalibrated *
10.448	5193	VV	0.040	51.932	* uncalibrated *
10.517	12608	VV	0.037	126.081	* uncalibrated *
10.560	21328	VV	0.058	213.285	* uncalibrated *
10.645	1998	VV	0.034	19.984	* uncalibrated *
10.762	8739	VV	0.043	87.386	* uncalibrated *
10.799	5603	VV	0.035	56.034	* uncalibrated *
10.853	5951	VV	0.036	59.510	* uncalibrated *
10.971	8472	VV	0.063	84.721	* uncalibrated *
11.067	2567	VV	0.055	25.671	* uncalibrated *
11.271	671	VV	0.031	6.709	* uncalibrated *
11.357	4085	PV	0.055	40.853	* uncalibrated *
11.485	4116	VV	0.043	41.164	* uncalibrated *
11.536	3417	VV	0.059	34.172	* uncalibrated *
11.637	1580	VV	0.043	15.800	* uncalibrated *
11.765	13175	VV	0.069	131.754	* uncalibrated *
11.913	7867	VV	0.070	78.670	* uncalibrated *
12.058	960	VV	0.043	9.601	* uncalibrated *
12.190	3358	VV	0.055	33.582	* uncalibrated *
12.275	386	PV	0.028	3.856	* uncalibrated *
12.356	736	PBA	0.011	7.357	* uncalibrated *

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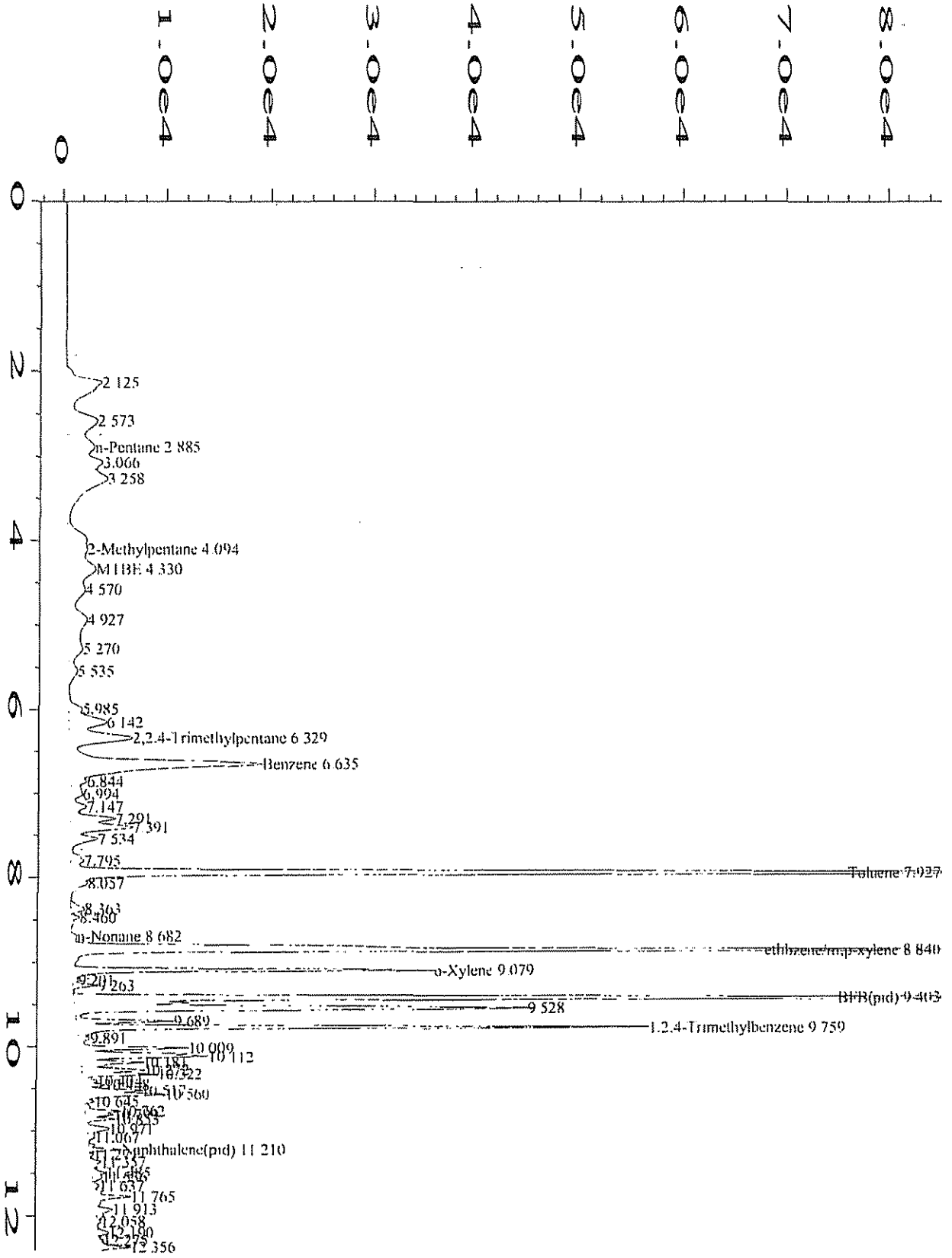


ata File Name	: C:\HPCHEM\1\DATA\vp120905\033R0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 33
ample Name	: lcs4120905b	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 10 Dec 05 00:23 AM	Instrument Method	: GAS1.MTH
eport Created on	: 12 Dec 05 08:17 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

ata File Name : C:\HPCHEM\1\DATA\vp120905\034F0101.D
perator : MJC
nstrument : FID/PID
ample Name : vblk4120905b
un Time Bar Code:
cquired on : 10 Dec 05 00:47 AM
eport Created on: 12 Dec 05 08:17 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

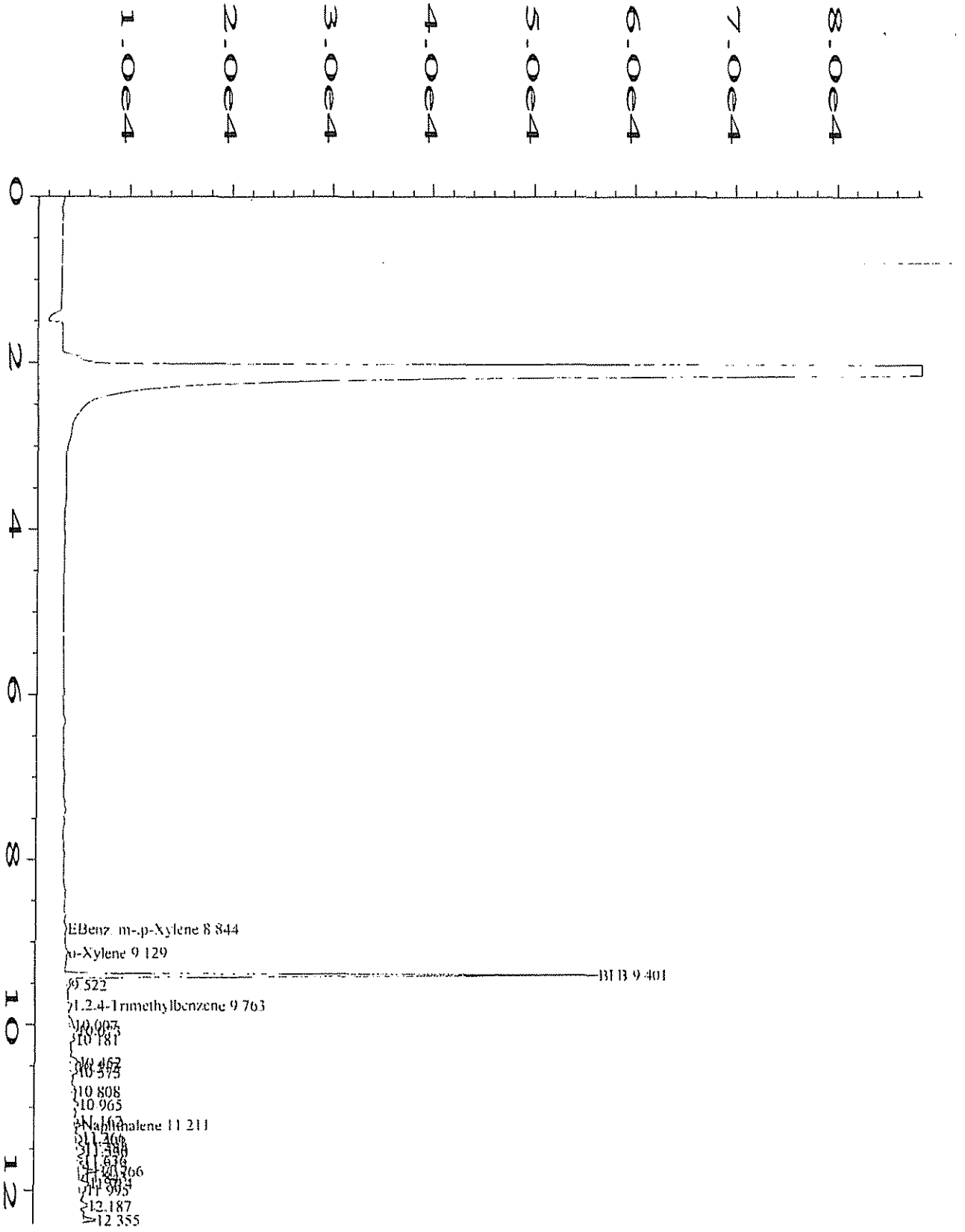
Page Number : 1
Vial Number : 34
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

ig. 1 in C:\HPCHEM\1\DATA\vp120905\034F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.849	* not found *			1		n-Pentane
3.960	* 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
8.844	1437	VV	0.068	1	0.140	EBenz, m-,p-Xylene
9.129	2184	VV	0.077	1	0.217	o-Xylene
9.401	95107	PV	0.028	1	366.350	BFB
9.763	1559	BB	0.051	1	0.166	1,2,4-Trimethylbenzene
11.211	1313	VV	0.031	1	0.310	Naphthalene
9.522	1750	VV	0.059		17.501	* uncalibrated *
10.007	2275	BV	0.065		22.754	* uncalibrated *
10.073	3777	VV	0.068		37.774	* uncalibrated *
10.181	1824	VV	0.049		18.235	* uncalibrated *
10.452	3118	VV	0.057		31.185	* uncalibrated *
10.512	1421	VV	0.039		14.207	* uncalibrated *
10.573	2294	VV	0.059		22.937	* uncalibrated *
10.808	1298	VV	0.040		12.977	* uncalibrated *
10.965	2202	VV	0.065		22.019	* uncalibrated *
11.162	1171	VV	0.041		11.712	* uncalibrated *
11.366	1615	VV	0.040		16.152	* uncalibrated *
11.401	1515	VV	0.036		15.148	* uncalibrated *
11.484	2127	VV	0.039		21.271	* uncalibrated *
11.530	2813	VV	0.051		28.129	* uncalibrated *
11.636	1609	VV	0.048		16.090	* uncalibrated *
11.713	1512	VV	0.039		15.125	* uncalibrated *
11.766	6148	VV	0.043		61.479	* uncalibrated *
11.843	1175	VV	0.044		11.750	* uncalibrated *
11.914	3751	VV	0.054		37.510	* uncalibrated *
11.995	1752	VV	0.043		17.518	* uncalibrated *
12.187	2722	VV	0.060		27.222	* uncalibrated *
12.355	2745	VBA	0.035		27.445	* uncalibrated *

alibration table contains at least one peak with amt = 0

ot all calibrated peaks were found



ata File Name	: C:\HPCHEM\1\DATA\vp120905\034F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 34
ample Name	: vblk4120905b	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 10 Dec 05 00:47 AM	Instrument Method	: GAS1.MTH
eport Created on	: 12 Dec 05 08:17 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

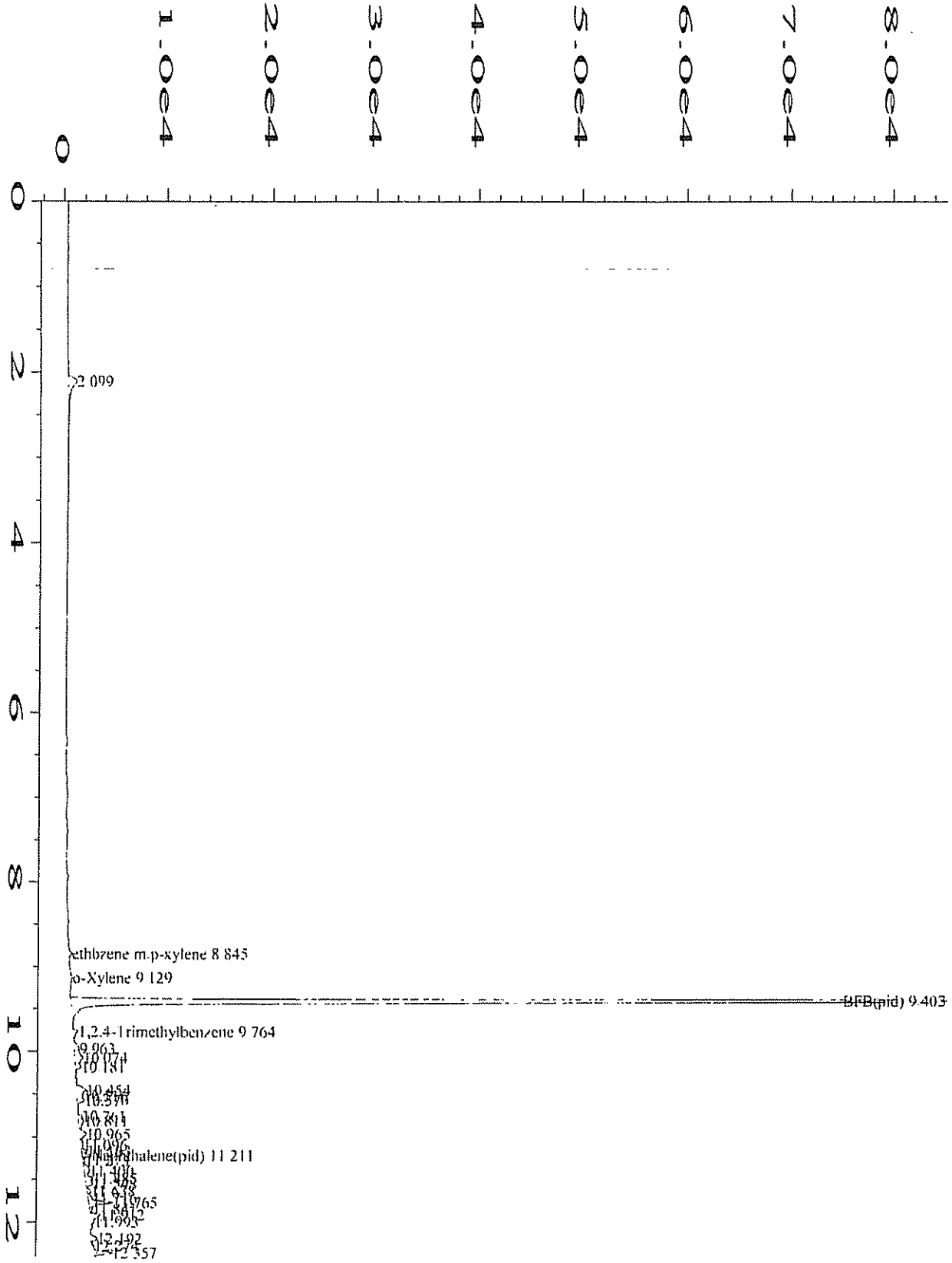
ata File Name : C:\HPCHEM\1\DATA\vp120905\034R0101.D
perator : MJC
nstrument : FID/PID
ample Name : vblk4120905b
un Time Bar Code:
cquired on : 10 Dec 05 00:47 AM
eport Created on: 12 Dec 05 08:17 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

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\vp120905\034R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.829	* not found *			1		n-Pentane
4.010	* not found *			1		2-Methylpentane
4.375	* not found *			1		MTBE
6.312	* not found *			1		2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.926	* not found *			1		Toluene
8.686	* not found *			1		n-Nonane
8.845	964	BV	0.051	1	0.0285	ethbzene/m,p-xylene
9.129	570	PV	0.046	1	0.0147	o-Xylene
9.403	326694	BV	0.032	1	21.988	BFB(pid)
9.764	1757	BV	0.049	1	0.0572	1,2,4-Trimethylbenzene
11.211	1786	VV	0.031	1	0.102	Naphthalene(pid)
2.099	6832	BB	0.110		68.316	* uncalibrated *
9.963	2166	VV	0.058		21.665	* uncalibrated *
10.074	5535	VV	0.089		55.353	* uncalibrated *
10.181	1805	VV	0.048		18.053	* uncalibrated *
10.454	3957	BV	0.058		39.569	* uncalibrated *
10.516	1432	VV	0.035		14.323	* uncalibrated *
10.570	2356	VV	0.051		23.556	* uncalibrated *
10.761	818	PV	0.033		8.178	* uncalibrated *
10.811	2425	VV	0.063		24.246	* uncalibrated *
10.965	2528	VV	0.068		25.285	* uncalibrated *
11.096	786	VV	0.063		7.856	* uncalibrated *
11.163	1261	VV	0.039		12.609	* uncalibrated *
11.273	416	VV	0.033		4.159	* uncalibrated *
11.400	2695	PV	0.070		26.946	* uncalibrated *
11.485	2156	VV	0.048		21.562	* uncalibrated *
11.548	2422	VV	0.056		24.219	* uncalibrated *
11.638	1071	VV	0.043		10.706	* uncalibrated *
11.716	1084	VV	0.041		10.840	* uncalibrated *
11.765	6418	VV	0.039		64.176	* uncalibrated *
11.841	685	VV	0.031		6.854	* uncalibrated *
11.912	3193	VV	0.045		31.927	* uncalibrated *
11.993	738	VV	0.035		7.377	* uncalibrated *
12.192	2106	BV	0.048		21.065	* uncalibrated *
12.274	273	PV	0.027		2.726	* uncalibrated *
12.357	3132	PBA	0.032		31.321	* uncalibrated *

ɔt all calibrated peaks were found



ata File Name	: C:\HPCHEM\1\DATA\vp120905\034R0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 34
ample Name	: vblk4120905b	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 10 Dec 05 00:47 AM	Instrument Method	: GAS1.MTH
eport Created on	: 12 Dec 05 08:17 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\vp120905\037F0101.D
Operator : MJC
Instrument : FID/PID
Sample Name : G128-1648-21E x1 ms
Run Time Bar Code: 187151
Acquired on : 10 Dec 05 02:00 AM 1184.65
Report Created on: 12 Dec 05 08:17 AM 987.79
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\vp120905\037F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.849	* not found *			1		n-Pentane
3.946	64871	PV	0.186	1	11.522	2-Methylpentane
4.259	56027	VV	0.187	1	131.335	MTBE
6.315	83264	VV	0.106	1	15.993	2,2,4-Trimethylpentane
6.618	41818	VV	0.079	1	5.300	Benzene
7.923	199352	VV	0.040	1	21.161	Toluene
8.686	18212	PV	0.058	1	4.570	n-Nonane
8.839	236945	VV	0.053	1	23.162	EBenz, m-,p-Xylene
9.125	246662	VV	0.064	1	24.490	o-Xylene
9.401	321859	VV	0.065	1	1239.808	BFB
9.761	523543	VV	0.060	1	295.240	1,2,4-Trimethylbenzene
11.216	308458	VV	0.039	1	-1519.409	Naphthalene
4.592	37106	VV	0.155		371.062	* uncalibrated *
4.912	21351	VV	0.180		213.505	* uncalibrated *
5.153	25717	VV	0.216		257.168	* uncalibrated *
5.520	23413	VV	0.145		234.125	* uncalibrated *
5.970	25703	PV	0.088		257.033	* uncalibrated *
6.135	57983	VV	0.130		579.827	* uncalibrated *
6.544	24488	VV	0.064		244.882	* uncalibrated *
6.732	10139	VV	0.066		101.386	* uncalibrated *
6.839	6435	VV	0.060		64.349	* uncalibrated *
6.976	25325	VV	0.110		253.245	* uncalibrated *
7.135	13768	VV	0.083		137.675	* uncalibrated *
7.283	40438	VV	0.070		404.377	* uncalibrated *
7.387	59214	VV	0.072		592.142	* uncalibrated *
7.525	31674	VV	0.090		316.737	* uncalibrated *
7.792	17510	PV	0.061		175.101	* uncalibrated *
8.049	7135	VV	0.062		71.346	* uncalibrated *
8.121	3842	VV	0.053		38.419	* uncalibrated *
8.372	29634	VV	0.078		296.335	* uncalibrated *
8.455	13938	VV	0.043		139.381	* uncalibrated *
8.539	2698	VV	0.046		26.976	* uncalibrated *
8.926	57016	VV	0.056		570.161	* uncalibrated *
9.019	61803	VV	0.054		618.032	* uncalibrated *
9.198	56478	VV	0.045		564.785	* uncalibrated *
9.457	246908	VV	0.051		2469.084	* uncalibrated *
9.518	499664	VV	0.066		4996.636	* uncalibrated *
9.645	257807	VV	0.070		2578.073	* uncalibrated *
9.808	487909	VV	0.068		4879.085	* uncalibrated *
9.963	263864	VV	0.059		2638.639	* uncalibrated *
10.070	779790	VV	0.072		7797.904	* uncalibrated *
10.170	986340	VV	0.080		9863.399	* uncalibrated *
10.325	541826	VV	0.067		5418.260	* uncalibrated *

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp120905\037F0101.D
perator : MJC
nstrument : FID/PID
ample Name : 187151 x1 ms
un Time Bar Code:
cquired on : 10 Dec 05 02:00 AM
eport Created on: 12 Dec 05 08:17 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\vp120905\037F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.849	* not found *			1		n-Pentane
3.946	64871	PV	0.186	1	11.522	2-Methylpentane
4.259	56027	VV	0.187	1	131.335	MTBE
6.315	83264	VV	0.106	1	15.993	2,2,4-Trimethylpentane
6.618	41818	VV	0.079	1	5.300	Benzene
7.923	199352	VV	0.040	1	21.161	Toluene
8.686	18212	PV	0.058	1	4.570	n-Nonane
8.839	236945	VV	0.053	1	23.162	EBenz, m-,p-Xylene
9.125	246662	VV	0.064	1	24.490	o-Xylene
9.401	321859	VV	0.065	1	1239.808	BFB
9.761	523543	VV	0.060	1	295.240	1,2,4-Trimethylbenzene
11.216	308458	VV	0.039	1	-1519.409	Naphthalene
4.592	37106	VV	0.155		371.062	* uncalibrated *
4.912	21351	VV	0.180		213.505	* uncalibrated *
5.153	25717	VV	0.216		257.168	* uncalibrated *
5.520	23413	VV	0.145		234.125	* uncalibrated *
5.970	25703	PV	0.088		257.033	* uncalibrated *
6.135	57983	VV	0.130		579.827	* uncalibrated *
6.544	24488	VV	0.064		244.882	* uncalibrated *
6.732	10139	VV	0.066		101.386	* uncalibrated *
6.839	6435	VV	0.060		64.349	* uncalibrated *
6.976	25325	VV	0.110		253.245	* uncalibrated *
7.135	13768	VV	0.083		137.675	* uncalibrated *
7.283	40438	VV	0.070		404.377	* uncalibrated *
7.387	59214	VV	0.072		592.142	* uncalibrated *
7.525	31674	VV	0.090		316.737	* uncalibrated *
7.792	17510	PV	0.061		175.101	* uncalibrated *
8.049	7135	VV	0.062		71.346	* uncalibrated *
8.121	3842	VV	0.053		38.419	* uncalibrated *
8.372	29634	VV	0.078		296.335	* uncalibrated *
8.455	13938	VV	0.043		139.381	* uncalibrated *
8.539	2698	VV	0.046		26.976	* uncalibrated *
8.926	57016	VV	0.056		570.161	* uncalibrated *
9.019	61803	VV	0.054		618.032	* uncalibrated *
9.198	56478	VV	0.045		564.785	* uncalibrated *
9.457	246908	VV	0.051		2469.084	* uncalibrated *
9.518	499664	VV	0.066		4996.636	* uncalibrated *
9.645	257807	VV	0.070		2578.073	* uncalibrated *
9.808	487909	VV	0.068		4879.085	* uncalibrated *
9.963	263864	VV	0.059		2638.639	* uncalibrated *
10.070	779790	VV	0.072		7797.904	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp120905\037F0101.D
perator : MJC
nstrument : FID/PID
ample Name : 187151 x1 ms
un Time Bar Code:
cquired on : 10 Dec 05 02:00 AM
eport Created on: 12 Dec 05 08:17 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_FID.MTH
Sample Amount : 0
ISTD Amount :

10.170	986340	VV	0.080	9863.399	* uncalibrated *
10.325	541826	VV	0.067	5418.260	* uncalibrated *
10.415	981230	VV	0.084	9812.297	* uncalibrated *
10.579	945174	VV	0.070	9451.735	* uncalibrated *
10.640	484242	VV	0.074	4842.421	* uncalibrated *
10.808	1074715	VV	0.101	10747.15	* uncalibrated *
10.973	962410	VV	0.077	9624.101	* uncalibrated *
11.056	508651	VV	0.093	5086.507	* uncalibrated *
11.165	349266	VV	0.048	3492.658	* uncalibrated *
11.279	266498	VV	0.056	2664.979	* uncalibrated *
11.335	404070	VV	0.104	4040.703	* uncalibrated *
11.487	631460	VV	0.095	6314.596	* uncalibrated *
11.632	139395	VV	0.056	1393.950	* uncalibrated *
11.706	217886	VV	0.058	2178.859	* uncalibrated *
11.768	270011	VV	0.084	2700.114	* uncalibrated *
11.911	240601	VV	0.122	2406.013	* uncalibrated *
12.192	53231	VV	0.071	532.314	* uncalibrated *
12.269	11969	VV	0.044	119.688	* uncalibrated *
12.343	9601	VBA	0.044	96.009	* uncalibrated *

alibration table contains at least one peak with amt = 0

ot all calibrated peaks were found

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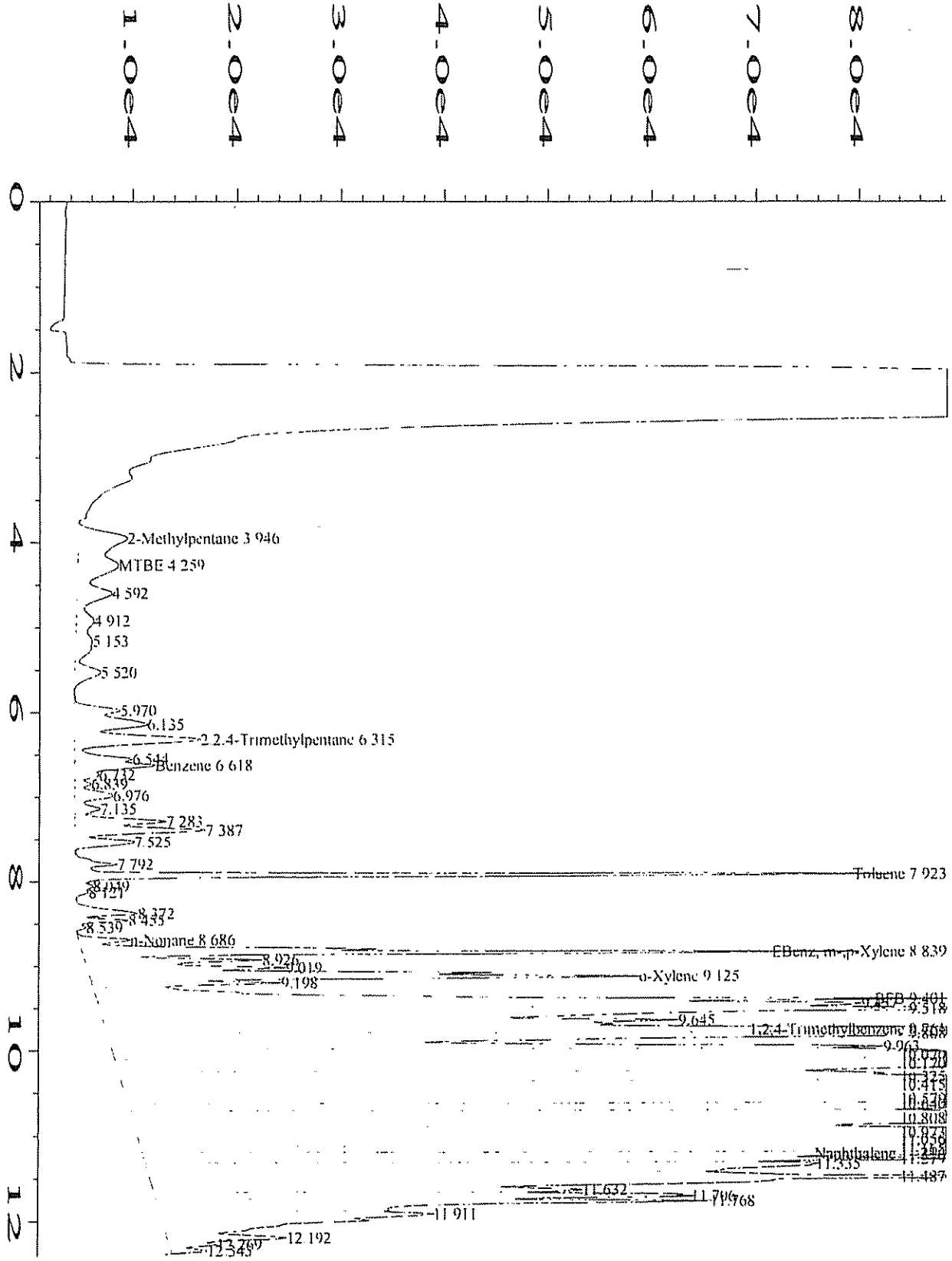

ata File Name	: C:\HPCHEM\1\DATA\vp120905\037F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 37
ample Name	: 187151 x1 ms	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 10 Dec 05 02:00 AM	Instrument Method:	GAS1.MTH
eport Created on:	12 Dec 05 08:17 AM	Analysis Method	: VPH_FID.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp120905\037R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 37
Sample Name	: G128-1648-21E x1 ms	Injection Number	: 1
Run Time Bar Code	: 187151	Sequence Line	: 1
Acquired on	: 10 Dec 05 02:00 AM	Instrument Method	: GAS1.MTH
Report Created on	: 12 Dec 05 08:17 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\vp120905\037R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.879	41193	VV	0.152	1	6.569	n-Pentane
3.982	48141	VV	0.215	1	5.098	2-Methylpentane
4.324	47964	VV	0.168	1	1.591	MTBE
6.327	74285	VV	0.119	1	4.882	2,2,4-Trimethylpentane
6.631	151553	VV	0.102	1	1.905	Benzene
7.926	355043	VV	0.043	1	8.701	Toluene
8.695	11547	PV	0.056	1	1.701	n-Nonane
8.840	341599	VV	0.045	1	10.099	ethbzene/m,p-xylene
9.081	117152	VV	0.038	1	3.025	o-Xylene
9.404	956763	VV	0.065	1	64.395	BFB(pid)
9.763	588166	VV	0.051	1	19.157	1,2,4-Trimethylbenzene
11.216	512076	VV	0.043	1	29.257	Naphthalene(pid)
2.164	150691	BV	0.152		1506.910	* uncalibrated *
2.553	53137	VV	0.161		531.372	* uncalibrated *
3.055	38807	VV	0.116		388.066	* uncalibrated *
3.245	74356	VV	0.188		743.564	* uncalibrated *
4.576	25702	VV	0.152		257.022	* uncalibrated *
4.910	29337	VV	0.168		293.366	* uncalibrated *
5.260	26345	VV	0.198		263.451	* uncalibrated *
5.533	10173	VV	0.127		101.728	* uncalibrated *
5.986	9897	PV	0.079		98.969	* uncalibrated *
6.122	41200	VV	0.124		412.005	* uncalibrated *
6.838	7639	VV	0.062		76.390	* uncalibrated *
6.992	15531	VV	0.104		155.308	* uncalibrated *
7.141	12984	VV	0.085		129.839	* uncalibrated *
7.290	34055	VV	0.069		340.551	* uncalibrated *
7.391	55519	VV	0.079		555.191	* uncalibrated *
7.534	23108	VV	0.093		231.076	* uncalibrated *
7.792	11841	VV	0.082		118.406	* uncalibrated *
8.053	12248	VV	0.093		122.479	* uncalibrated *
8.354	22892	VV	0.085		228.924	* uncalibrated *
8.457	9715	VV	0.046		97.152	* uncalibrated *
8.539	2127	VV	0.047		21.266	* uncalibrated *
8.931	46623	VV	0.057		466.233	* uncalibrated *
9.022	48918	VV	0.043		489.177	* uncalibrated *
9.127	135438	VV	0.047		1354.375	* uncalibrated *
9.196	44252	VV	0.053		442.523	* uncalibrated *
9.521	650789	VV	0.073		6507.894	* uncalibrated *
9.646	315781	VV	0.063		3157.813	* uncalibrated *
9.811	796583	VV	0.068		7965.832	* uncalibrated *
9.969	409565	VV	0.064		4095.647	* uncalibrated *
10.075	1062541	VV	0.074		10625.41	* uncalibrated *
10.177	1962730	VV	0.100		19627.30	* uncalibrated *

External Standard Report

)ata File Name	: C:\HPCHEM\1\DATA\vp120905\037R0101.D		
)perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 37
ample Name	: 187151 x1 ms	Injection Number	: 1
un Time Bar Code	:	Sequence Line	: 1
cquired on	: 10 Dec 05 02:00 AM	Instrument Method	: GAS1.MTH
eport Created on	: 12 Dec 05 08:17 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\vp120905\037R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.879	41193	VV	0.152	1	6.569	n-Pentane
3.982	48141	VV	0.215	1	5.098	2-Methylpentane
4.324	47964	VV	0.168	1	1.591	MTBE
6.327	74285	VV	0.119	1	4.882	2,2,4-Trimethylpentane
6.631	151553	VV	0.102	1	1.905	Benzene
7.926	355043	VV	0.043	1	8.701	Toluene
8.695	11547	PV	0.056	1	1.701	n-Nonane
8.840	341599	VV	0.045	1	10.099	ethbzene/m,p-xylene
9.081	117152	VV	0.038	1	3.025	o-Xylene
9.404	956763	VV	0.065	1	64.395	BFB(pid)
9.763	588166	VV	0.051	1	19.157	1,2,4-Trimethylbenzene
11.216	512076	VV	0.043	1	29.257	Naphthalene(pid)
2.164	150691	BV	0.152		1506.910	* uncalibrated *
2.553	53137	VV	0.161		531.372	* uncalibrated *
3.055	38807	VV	0.116		388.066	* uncalibrated *
3.245	74356	VV	0.188		743.564	* uncalibrated *
4.576	25702	VV	0.152		257.022	* uncalibrated *
4.910	29337	VV	0.168		293.366	* uncalibrated *
5.260	26345	VV	0.198		263.451	* uncalibrated *
5.533	10173	VV	0.127		101.728	* uncalibrated *
5.986	9897	PV	0.079		98.969	* uncalibrated *
6.122	41200	VV	0.124		412.005	* uncalibrated *
6.838	7639	VV	0.062		76.390	* uncalibrated *
6.992	15531	VV	0.104		155.308	* uncalibrated *
7.141	12984	VV	0.085		129.839	* uncalibrated *
7.290	34055	VV	0.069		340.551	* uncalibrated *
7.391	55519	VV	0.079		555.191	* uncalibrated *
7.534	23108	VV	0.093		231.076	* uncalibrated *
7.792	11841	VV	0.082		118.406	* uncalibrated *
8.053	12248	VV	0.093		122.479	* uncalibrated *
8.354	22892	VV	0.085		228.924	* uncalibrated *
8.457	9715	VV	0.046		97.152	* uncalibrated *
8.539	2127	VV	0.047		21.266	* uncalibrated *
8.931	46623	VV	0.057		466.233	* uncalibrated *
9.022	48918	VV	0.043		489.177	* uncalibrated *
9.127	135438	VV	0.047		1354.375	* uncalibrated *
9.196	44252	VV	0.053		442.523	* uncalibrated *
9.521	650789	VV	0.073		6507.894	* uncalibrated *
9.646	315781	VV	0.063		3157.813	* uncalibrated *
9.811	796583	VV	0.068		7965.832	* uncalibrated *
9.969	409565	VV	0.064		4095.647	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp120905\037R0101.D
perator : MJC
nstrument : FID/PID
ample Name : 187151 x1 ms
un Time Bar Code:
cquired on : 10 Dec 05 02:00 AM
eport Created on: 12 Dec 05 08:17 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 :

10.075	1062541	VV	0.074	10625.41	* uncalibrated *
10.177	1962730	VV	0.100	19627.30	* uncalibrated *
10.325	609291	VV	0.054	6092.908	* uncalibrated *
10.452	1587785	VV	0.078	15877.85	* uncalibrated *
10.519	443399	VV	0.041	4433.993	* uncalibrated *
10.582	1976661	VV	0.091	19766.61	* uncalibrated *
10.813	1837059	VV	0.125	18370.59	* uncalibrated *
10.974	2432123	VV	0.124	24321.23	* uncalibrated *
11.167	578581	VV	0.048	5785.815	* uncalibrated *
11.279	431751	VV	0.057	4317.513	* uncalibrated *
11.334	684416	VV	0.107	6844.164	* uncalibrated *
11.488	966807	VV	0.096	9668.073	* uncalibrated *
11.625	195972	VV	0.053	1959.717	* uncalibrated *
11.707	304638	VV	0.058	3046.381	* uncalibrated *
11.767	416558	VV	0.076	4165.575	* uncalibrated *
11.910	360084	VV	0.124	3600.835	* uncalibrated *
12.196	98691	VV	0.091	986.911	* uncalibrated *
12.347	17950	VBA	0.050	179.501	* uncalibrated *

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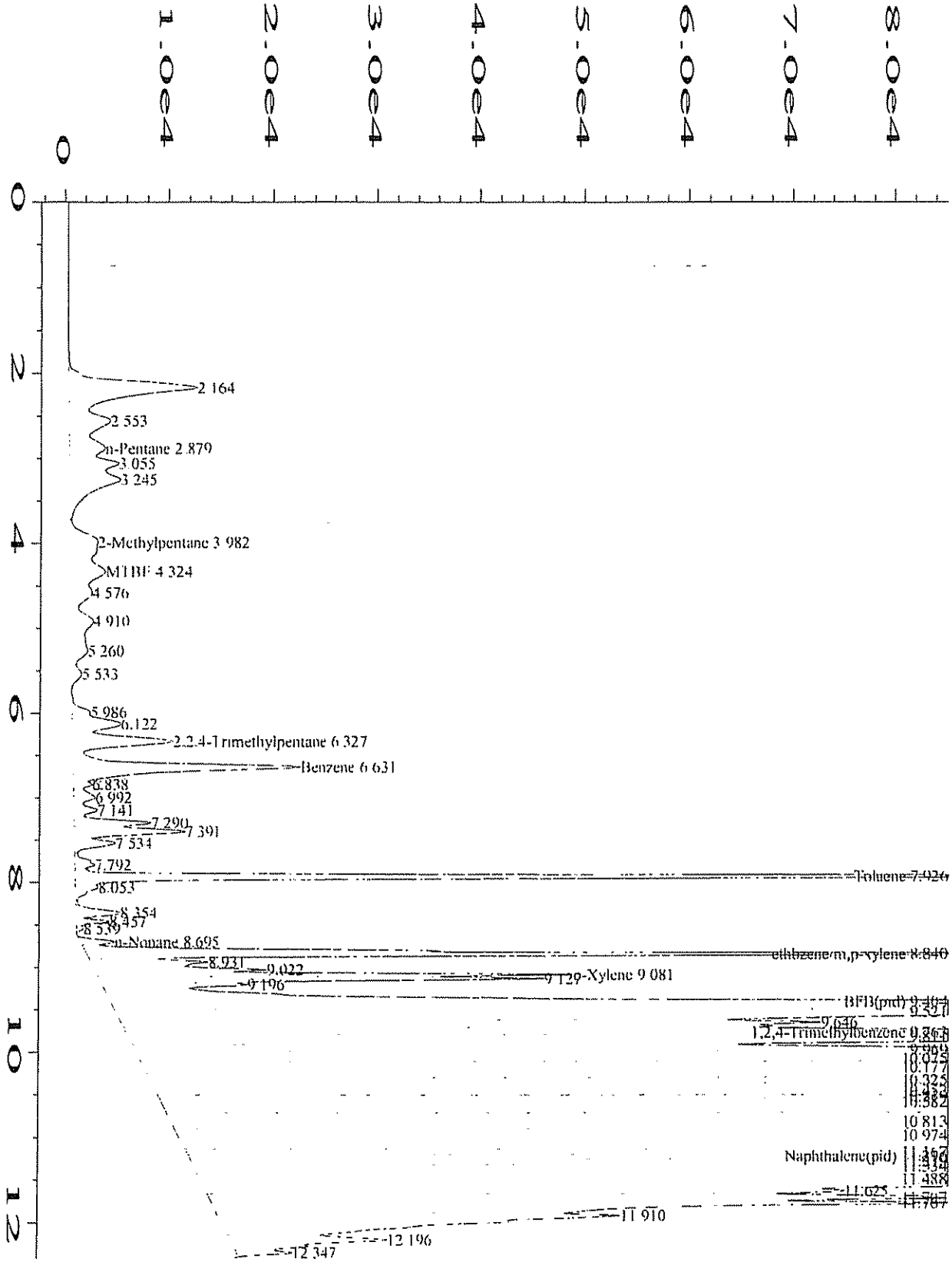


ata File Name	: C:\HPCHEM\1\DATA\vpl20905\037R0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 37
ample Name	: 187151 x1 ms	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 10 Dec 05 02:00 AM	Instrument Method	: GAS1.MTH
eport Created on	: 12 Dec 05 08:17 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\vp120905\038F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 38
Sample Name	: G128-1648-21E x1 msd	Injection Number	: 1
Run Time Bar Code	: 187151	Sequence Line	: 1
Acquired on	: 10 Dec 05 02:24 AM	Instrument Method	: GAS1.MTH
Report Created on	: 12 Dec 05 08:17 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\vp120905\038F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.849	* not found *			1		n-Pentane
3.954	58733	PV	0.192	1	10.432	2-Methylpentane
4.267	55957	VV	0.192	1	131.171	MTBE
6.321	87699	VV	0.106	1	16.845	2,2,4-Trimethylpentane
6.622	41035	VV	0.084	1	5.201	Benzene
7.925	206112	VV	0.040	1	21.879	Toluene
8.687	18480	PV	0.058	1	4.637	n-Nonane
8.839	240506	VV	0.053	1	23.511	EBenz, m-,p-Xylene
9.126	248175	VV	0.064	1	24.640	o-Xylene
9.402	324421	VV	0.064	1	1249.676	BFB
9.762	521558	VV	0.060	1	291.810	1,2,4-Trimethylbenzene
11.217	305741	VV	0.045	1	-1488.918	Naphthalene
3.248	6865	BV	0.081		68.650	* uncalibrated *
4.597	36398	VV	0.160		363.980	* uncalibrated *
4.919	21158	VV	0.170		211.580	* uncalibrated *
5.251	22681	VV	0.213		226.812	* uncalibrated *
5.524	23043	VV	0.152		230.434	* uncalibrated *
5.976	25195	PV	0.088		251.952	* uncalibrated *
6.150	54135	VV	0.116		541.353	* uncalibrated *
6.548	24617	VV	0.064		246.167	* uncalibrated *
6.732	10453	VV	0.069		104.531	* uncalibrated *
6.846	5710	VV	0.058		57.096	* uncalibrated *
6.975	26170	VV	0.112		261.698	* uncalibrated *
7.141	12158	VV	0.087		121.583	* uncalibrated *
7.287	42042	VV	0.069		420.419	* uncalibrated *
7.389	61322	VV	0.071		613.216	* uncalibrated *
7.527	32666	VV	0.091		326.658	* uncalibrated *
7.793	17699	PV	0.061		176.985	* uncalibrated *
8.051	7260	VV	0.063		72.602	* uncalibrated *
8.121	3898	VV	0.052		38.982	* uncalibrated *
8.372	30407	VV	0.069		304.073	* uncalibrated *
8.456	14285	VV	0.043		142.849	* uncalibrated *
8.540	2742	VV	0.046		27.422	* uncalibrated *
8.927	56967	VV	0.056		569.673	* uncalibrated *
9.020	61956	VV	0.054		619.556	* uncalibrated *
9.198	54927	VV	0.051		549.274	* uncalibrated *
9.457	265997	VV	0.054		2659.975	* uncalibrated *
9.518	481872	VV	0.064		4818.722	* uncalibrated *
9.646	256295	VV	0.069		2562.952	* uncalibrated *
9.809	489372	VV	0.068		4893.716	* uncalibrated *
9.964	262031	VV	0.059		2620.310	* uncalibrated *
10.070	775904	VV	0.072		7759.043	* uncalibrated *
10.170	982039	VV	0.080		9820.387	* uncalibrated *

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp120905\038F0101.D
perator : MJC
nstrument : FID/PID
ample Name : 187151 x1 msd
un Time Bar Code:
cquired on : 10 Dec 05 02:24 AM
eport Created on: 12 Dec 05 08:17 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\vp120905\038F0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.849	* not found *			1		n-Pentane
3.954	58733	PV	0.192	1	10.432	2-Methylpentane
4.267	55957	VV	0.192	1	131.171	MTBE
6.321	87699	VV	0.106	1	16.845	2,2,4-Trimethylpentane
6.622	41035	VV	0.084	1	5.201	Benzene
7.925	206112	VV	0.040	1	21.879	Toluene
8.687	18480	PV	0.058	1	4.637	n-Nonane
8.839	240506	VV	0.053	1	23.511	EBenz, m-,p-Xylene
9.126	248175	VV	0.064	1	24.640	o-Xylene
9.402	324421	VV	0.064	1	1249.676	BFB
9.762	521558	VV	0.060	1	291.810	1,2,4-Trimethylbenzene
11.217	305741	VV	0.045	1	-1488.918	Naphthalene
3.248	6865	BV	0.081		68.650	* uncalibrated *
4.597	36398	VV	0.160		363.980	* uncalibrated *
4.919	21158	VV	0.170		211.580	* uncalibrated *
5.251	22681	VV	0.213		226.812	* uncalibrated *
5.524	23043	VV	0.152		230.434	* uncalibrated *
5.976	25195	PV	0.088		251.952	* uncalibrated *
6.150	54135	VV	0.116		541.353	* uncalibrated *
6.548	24617	VV	0.064		246.167	* uncalibrated *
6.732	10453	VV	0.069		104.531	* uncalibrated *
6.846	5710	VV	0.058		57.096	* uncalibrated *
6.975	26170	VV	0.112		261.698	* uncalibrated *
7.141	12158	VV	0.087		121.583	* uncalibrated *
7.287	42042	VV	0.069		420.419	* uncalibrated *
7.389	61322	VV	0.071		613.216	* uncalibrated *
7.527	32666	VV	0.091		326.658	* uncalibrated *
7.793	17699	PV	0.061		176.985	* uncalibrated *
8.051	7260	VV	0.063		72.602	* uncalibrated *
8.121	3898	VV	0.052		38.982	* uncalibrated *
8.372	30407	VV	0.069		304.073	* uncalibrated *
8.456	14285	VV	0.043		142.849	* uncalibrated *
8.540	2742	VV	0.046		27.422	* uncalibrated *
8.927	56967	VV	0.056		569.673	* uncalibrated *
9.020	61956	VV	0.054		619.556	* uncalibrated *
9.198	54927	VV	0.051		549.274	* uncalibrated *
9.457	265997	VV	0.054		2659.975	* uncalibrated *
9.518	481872	VV	0.064		4818.722	* uncalibrated *
9.646	256295	VV	0.069		2562.952	* uncalibrated *
9.809	489372	VV	0.068		4893.716	* uncalibrated *
9.964	262031	VV	0.059		2620.310	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp120905\038F0101.D
perator : MJC
nstrument : FID/PID
ample Name : 187151 x1 msd
un Time Bar Code:
cquired on : 10 Dec 05 02:24 AM
eport Created on: 12 Dec 05 08:17 AM
ast Recalib on : 24 AUG 04 09:09 AM
ultiplier : 1

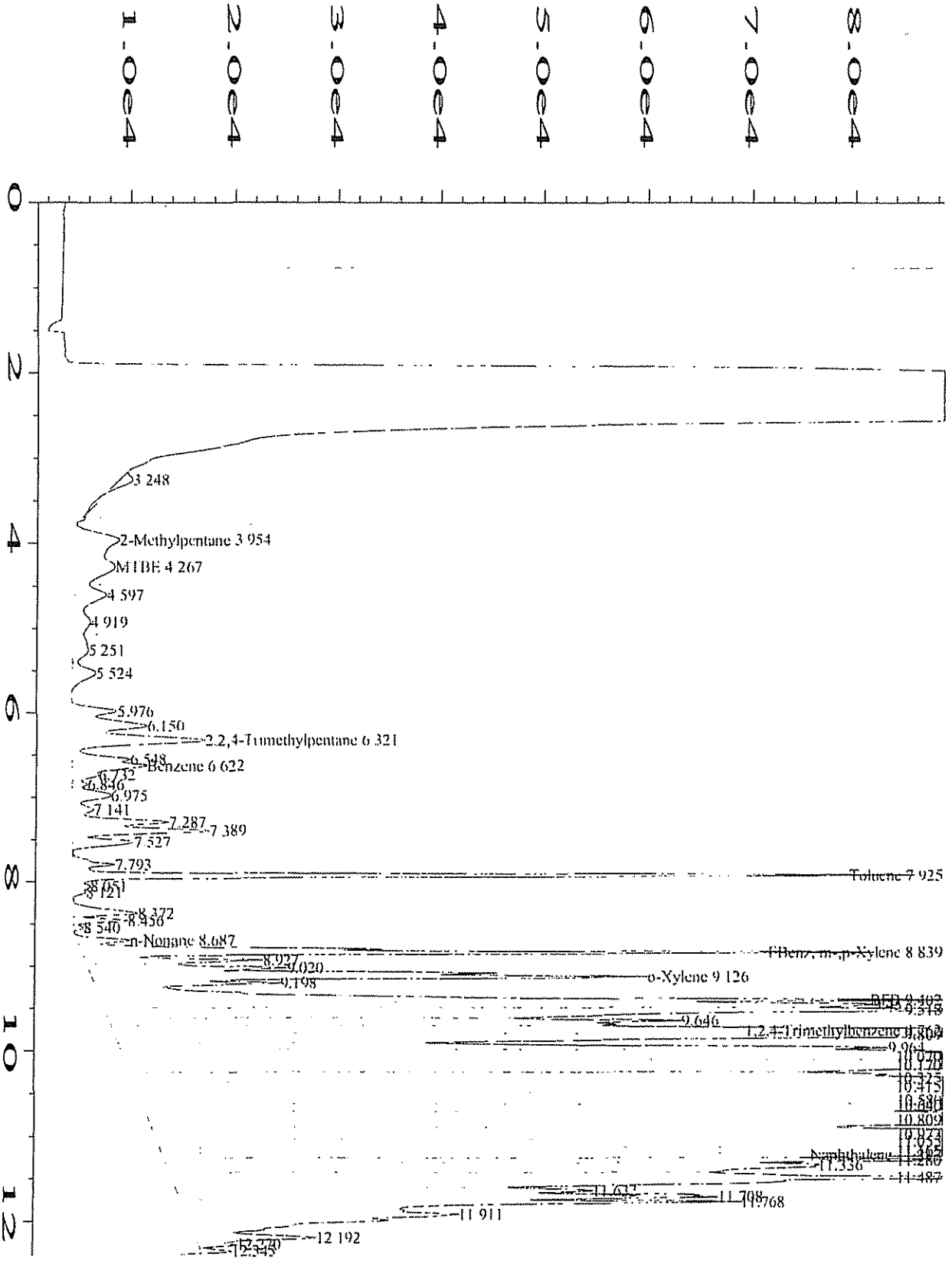
Page Number : 2
Vial Number : 38
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.070	775904	VV	0.072	7759.043	* uncalibrated *
10.170	982039	VV	0.080	9820.387	* uncalibrated *
10.325	534768	VV	0.067	5347.679	* uncalibrated *
10.415	972448	VV	0.084	9724.476	* uncalibrated *
10.580	938354	VV	0.069	9383.543	* uncalibrated *
10.640	474865	VV	0.074	4748.648	* uncalibrated *
10.809	1057872	VV	0.101	10578.72	* uncalibrated *
10.973	944831	VV	0.077	9448.307	* uncalibrated *
11.055	496884	VV	0.092	4968.835	* uncalibrated *
11.165	345346	VV	0.055	3453.457	* uncalibrated *
11.280	256989	VV	0.055	2569.891	* uncalibrated *
11.336	390493	VV	0.104	3904.931	* uncalibrated *
11.487	620041	VV	0.093	6200.410	* uncalibrated *
11.632	134329	VV	0.056	1343.292	* uncalibrated *
11.708	215939	VV	0.058	2159.393	* uncalibrated *
11.768	226255	VV	0.070	2262.549	* uncalibrated *
11.911	266069	VV	0.133	2660.688	* uncalibrated *
12.192	49480	VV	0.065	494.802	* uncalibrated *
12.270	8447	VV	0.038	84.467	* uncalibrated *
12.345	8184	VBA	0.043	81.844	* uncalibrated *

alibration table contains at least one peak with amt = 0

ot all calibrated peaks were found

==========



ta File Name	: C:\HPCHEM\1\DATA\vp120905\038F0101.D		
erator	: MJC	Page Number	: 1
strument	: FID/PID	Vial Number	: 38
mple Name	: 187151 x1 msd	Injection Number	: 1
n Time Bar Code:		Sequence Line	: 1
quired on	: 10 Dec 05 02:24 AM	Instrument Method:	GAS1.MTH
port Created on:	12 Dec 05 08:17 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

Data File Name	: C:\HPCHEM\1\DATA\vp120905\038R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 38
Sample Name	: G128-1648-21E x1 msd	Injection Number	: 1
Run Time Bar Code	: 187151	Sequence Line	: 1
Acquired on	: 10 Dec 05 02:24 AM	Instrument Method	: GAS1.MTH
Report Created on	: 12 Dec 05 08:17 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\vp120905\038R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.887	41815	VV	0.153	1	6.668	n-Pentane
3.992	24104	VV	0.127	1	2.552	2-Methylpentane
4.333	45715	VV	0.202	1	1.517	MTBE
6.333	79132	VV	0.120	1	5.201	2,2,4-Trimethylpentane
6.637	158033	VV	0.115	1	1.986	Benzene
7.928	381516	VV	0.046	1	9.350	Toluene
8.697	11626	PV	0.060	1	1.713	n-Nonane
8.841	346435	VV	0.063	1	10.242	ethbzene/m,p-xylene
9.085	341740	VV	0.115	1	8.823	o-Xylene
9.406	948846	VV	0.078	1	63.862	BFB(pid)
9.810	1383945	VV	0.131	1	45.076	1,2,4-Trimethylbenzene
11.213	2180364	VV	0.186	1	124.572	Naphthalene(pid)
2.175	158558	BV	0.185		1585.584	* uncalibrated *
2.560	55183	VV	0.171		551.827	* uncalibrated *
3.072	40343	VV	0.122		403.430	* uncalibrated *
3.262	78208	VV	0.217		782.081	* uncalibrated *
4.100	22457	VV	0.125		224.569	* uncalibrated *
4.570	25355	VV	0.185		253.545	* uncalibrated *
4.926	30158	VV	0.220		301.575	* uncalibrated *
5.266	24024	VV	0.212		240.239	* uncalibrated *
5.534	10269	VV	0.156		102.689	* uncalibrated *
5.990	9546	PV	0.094		95.463	* uncalibrated *
6.147	37729	VV	0.131		377.292	* uncalibrated *
6.992	15758	VV	0.119		157.577	* uncalibrated *
7.148	11539	VV	0.089		115.388	* uncalibrated *
7.294	35663	VV	0.077		356.626	* uncalibrated *
7.393	58249	VV	0.080		582.487	* uncalibrated *
7.537	23752	VV	0.092		237.516	* uncalibrated *
7.793	11712	VV	0.106		117.119	* uncalibrated *
8.356	23391	VV	0.085		233.906	* uncalibrated *
8.458	12141	VV	0.061		121.411	* uncalibrated *
8.935	44705	VV	0.069		447.050	* uncalibrated *
9.522	674787	VV	0.096		6747.866	* uncalibrated *
9.648	319301	VV	0.080		3193.011	* uncalibrated *
10.076	1514397	VV	0.129		15143.97	* uncalibrated *
10.178	1915810	VV	0.098		19158.10	* uncalibrated *
10.328	550581	VV	0.061		5505.809	* uncalibrated *
10.450	2073321	VV	0.104		20733.21	* uncalibrated *
10.583	1953229	VV	0.102		19532.29	* uncalibrated *
10.817	1778432	VV	0.123		17784.32	* uncalibrated *
10.971	2368300	VV	0.135		23683.00	* uncalibrated *
11.488	1110527	VV	0.123		11105.27	* uncalibrated *
11.702	302810	VV	0.067		3028.101	* uncalibrated *

External Standard Report

ata File Name : C:\HPCHEM\1\DATA\vp120905\038R0101.D
perator : MJC
nstrument : FID/PID
ample Name : 187151 x1 msd
un Time Bar Code:
cquired on : 10 Dec 05 02:24 AM
eport Created on: 12 Dec 05 08:17 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\vp120905\038R0101.D

et Time	Area	Type	Width	Ref#	ug/L	Name
2.887	41815	VV	0.153	1	6.668	n-Pentane
3.992	24104	VV	0.127	1	2.552	2-Methylpentane
4.333	45715	VV	0.202	1	1.517	MTBE
6.333	79132	VV	0.120	1	5.201	2,2,4-Trimethylpentane
6.637	158033	VV	0.115	1	1.986	Benzene
7.928	381516	VV	0.046	1	9.350	Toluene
8.697	11626	PV	0.060	1	1.713	n-Nonane
8.841	346435	VV	0.063	1	10.242	ethbzene/m,p-xylene
9.085	341740	VV	0.115	1	8.823	o-Xylene
9.406	948846	VV	0.078	1	63.862	BFB(pid)
9.810	1383945	VV	0.131	1	45.076	1,2,4-Trimethylbenzene
11.213	2180364	VV	0.186	1	124.572	Naphthalene(pid)
2.175	158558	BV	0.185		1585.584	* uncalibrated *
2.560	55183	VV	0.171		551.827	* uncalibrated *
3.072	40343	VV	0.122		403.430	* uncalibrated *
3.262	78208	VV	0.217		782.081	* uncalibrated *
4.100	22457	VV	0.125		224.569	* uncalibrated *
4.570	25355	VV	0.185		253.545	* uncalibrated *
4.926	30158	VV	0.220		301.575	* uncalibrated *
5.266	24024	VV	0.212		240.239	* uncalibrated *
5.534	10269	VV	0.156		102.689	* uncalibrated *
5.990	9546	PV	0.094		95.463	* uncalibrated *
6.147	37729	VV	0.131		377.292	* uncalibrated *
6.992	15758	VV	0.119		157.577	* uncalibrated *
7.148	11539	VV	0.089		115.388	* uncalibrated *
7.294	35663	VV	0.077		356.626	* uncalibrated *
7.393	58249	VV	0.080		582.487	* uncalibrated *
7.537	23752	VV	0.092		237.516	* uncalibrated *
7.793	11712	VV	0.106		117.119	* uncalibrated *
8.356	23391	VV	0.085		233.906	* uncalibrated *
8.458	12141	VV	0.061		121.411	* uncalibrated *
8.935	44705	VV	0.069		447.050	* uncalibrated *
9.522	674787	VV	0.096		6747.866	* uncalibrated *
9.648	319301	VV	0.080		3193.011	* uncalibrated *
10.076	1514397	VV	0.129		15143.97	* uncalibrated *
10.178	1915810	VV	0.098		19158.10	* uncalibrated *
10.328	550581	VV	0.061		5505.809	* uncalibrated *
10.450	2073321	VV	0.104		20733.21	* uncalibrated *
10.583	1953229	VV	0.102		19532.29	* uncalibrated *
10.817	1778432	VV	0.123		17784.32	* uncalibrated *
10.971	2368300	VV	0.135		23683.00	* uncalibrated *

ata File Name : C:\HPCHEM\1\DATA\vp120905\038R0101.D
perator : MJC
nstrument : FID/PID
ample Name : 187151 x1 msd
un Time Bar Code:
cquired on : 10 Dec 05 02:24 AM
eport Created on: 12 Dec 05 08:17 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 :

11.488	1110527	VV	0.123	11105.27	* uncalibrated *
11.702	302810	VV	0.067	3028.101	* uncalibrated *
11.767	402530	VV	0.092	4025.297	* uncalibrated *
11.911	313183	VV	0.142	3131.828	* uncalibrated *
12.195	68699	VV	0.077	686.994	* uncalibrated *
12.346	9877	VBA	0.058	98.768	* uncalibrated *

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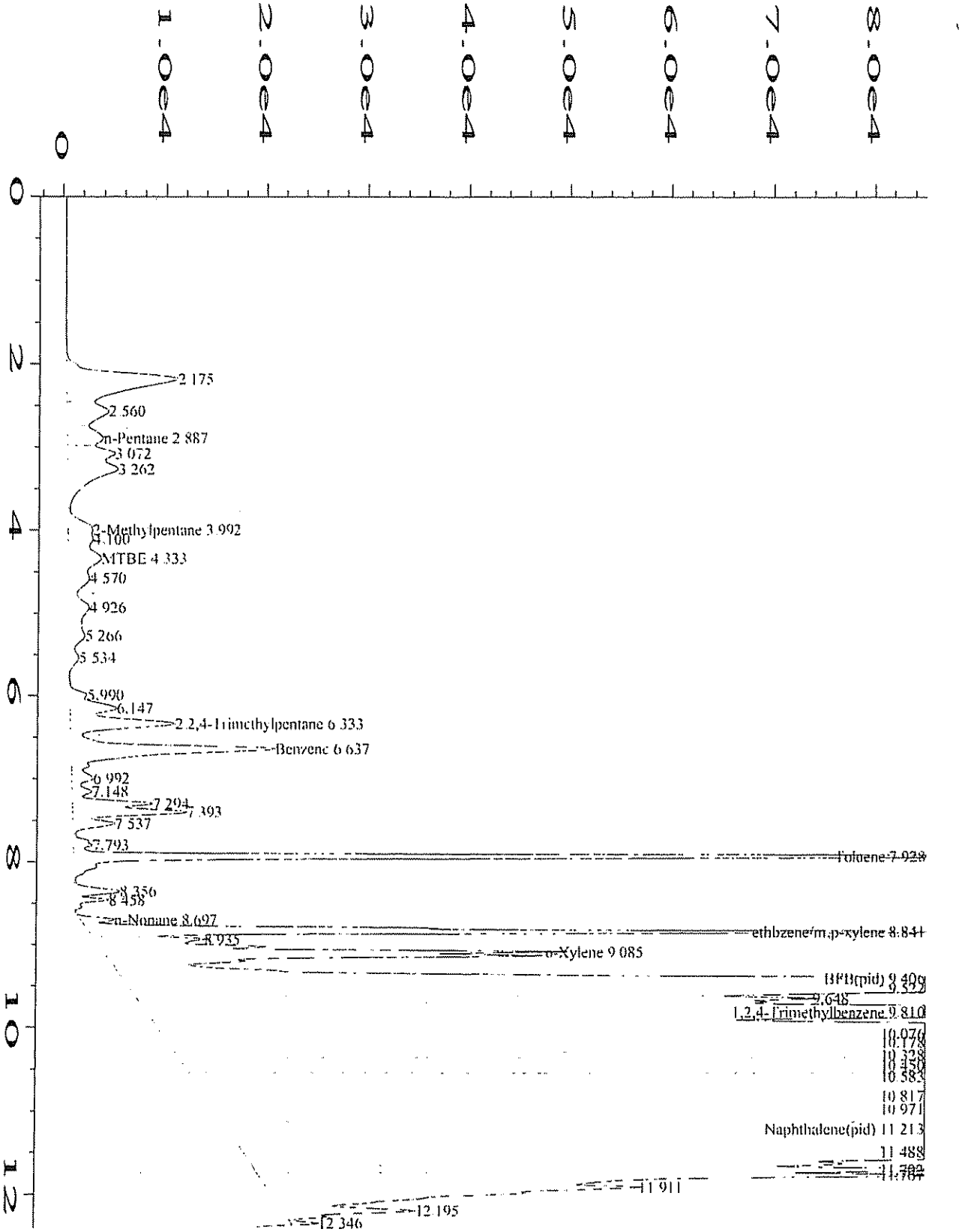

ata File Name	: C:\HPCHEM\1\DATA\vp120905\038R0101.D		
perator	: MJC	Page Number	: 1
nstrument	: FID/PID	Vial Number	: 38
ample Name	: 187151 x1 msd	Injection Number	: 1
an Time Bar Code:		Sequence Line	: 1
cquired on	: 10 Dec 05 02:24 AM	Instrument Method:	GAS1.MTH
eport Created on:	12 Dec 05 08:17 AM	Analysis Method	: vph_pid.MTH
ast Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	:

VPH Prep, Standard, Run Logs

Volatiles Standard Logbook # 7
Paradigm Analytical

Working Standard

ID: VPH-Curve-7-103105

referring page	Item	Lot Number	Components	Vendor	Initial conc. (ppm)	uL/3mL	final conc (ppm)
	1	A034781	MA VPH	Restek	500-1500	1200	400
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	10						

Calculations:

Prep: 10/31/05
Expires: 4/31/05

RESTEK
Catalog# 30434
Lot # A034781 Exp:1/12 Store: Freezer
MA VPH Stock
500-1500 ug/ml in Purge and Trap Methanol
Restek Corporation – 110 Benner Circle – Bellefonte, PA 16823
FOR LABORATORY USE ONLY

10/31/05 mgc

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: F26

Volatiles Standard Logbook #) 7
Paradigm Analytical

Working Standard

ID: VPH-QC-7-103105

referring page	Item	Lot Number	Components	Vendor	initial conc. (ppm)	uL/3mL	final conc (ppm)
	1	A029643	MA VPH	Restek	500-1500	1200	400
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	10						

Calculations:

Prep: 10/31/05
Expires: 4/31/05

10/31/05 mjc

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: F27

Volatiles Standard Logbook # 7
Paradigm Analytical

Working Standard

ID: GasComp-CURVE-7-112205

referring page	item	Lot Number	Components	Vendor	initial conc. (ppm)	uL/3mL	final conc (ppm)
	1	A031854	Gas Composite	Restek	2500	480	400
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	10						

Calculations:

Prep: 11/22/05
Expires: 11/22/06

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: f 28

Volatiles Standard Logbook # 7
Paradigm Analytical

Working Standard

ID: GasComp-QC-7-112205

referring page	Item	Lot Number	Components	Vendor	initial conc. (ppm)	uL/3mL	final conc (ppm)
	1	A034541	Gas Composite	Restek	2500	480	400
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	10						

Calculations:

Prep: 11/22/05
Expires: 11/22/06

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: F29

Paradigm Analytical

GC4 VPH Runlog Sheet

Method: MA VPH / 5030 GRO

Initial Cal. Curve: VPH-10/31/05 GRO-12/06/05

Matrix: Water/Soil

Batch: vp120905

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
001F0101.D	B	12/9/05 10:53				MJC		
002F0101.D	V 500	12/9/05 11:18				MJC		
003F0101.D	B	12/9/05 11:42				MJC		
004F0101.D	G 500	12/9/05 12:07				MJC		
005F0101.D	LCS4120905a x1	12/9/05 12:31				MJC		
006F0101.D	VBLK4120905a x1	12/9/05 12:56				MJC		
007F0101.D	g520-134-22a x1	12/9/05 13:48				MJC		
008F0101.D	g520-134-21a x1	12/9/05 14:12				MJC		
009F0101.D	b	12/9/05 14:37				MJC		
010F0101.D	g520-134-22a ms	12/9/05 15:01				MJC		
011F0101.D	g520-134-22a msd	12/9/05 15:26				MJC		
012F0101.D	g128-1648-2e x1	12/9/05 15:51				MJC		
013F0101.D	g128-1648-2e dup	12/9/05 16:15				MJC		
014F0101.D	g128-1648-3e x1	12/9/05 16:40				MJC		
015F0101.D	g128-1648-5e x1	12/9/05 17:04				MJC		
016F0101.D	g128-1648-6e x1	12/9/05 17:29				MJC		
017F0101.D	g128-1648-7e x1	12/9/05 17:53				MJC		
018F0101.D	g128-1648-9e x1	12/9/05 18:18				MJC		
019F0101.D	g128-1648-11e x1	12/9/05 18:42				MJC		
020F0101.D	g128-1648-12e x1	12/9/05 19:07				MJC		
021F0101.D	g128-1648-14e x1	12/9/05 19:31				MJC		
022F0101.D	g128-1648-15e x1	12/9/05 19:56				MJC		

Analyst: _____

Page Number: _____

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical

GC4 VPH Runlog Sheet

Method: MA VPH / 5030 GRO

Initial Cal. Curve: VPH-10/31/05 GRO-12/06/05

Matrix: Water/Soil

Batch: vp120905

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
023F0101.D	g128-1648-16e x1	12/9/05 20:20				MJC		
024F0101.D	g128-1648-17e x1	12/9/05 20:44				MJC		
025F0101.D	g128-1648-18e x1	12/9/05 21:09				MJC		
026F0101.D	g128-1648-1e x1	12/9/05 21:33				MJC		
027F0101.D	g128-1648-4e x1	12/9/05 21:57				MJC		
028F0101.D	g128-1648-8e x1	12/9/05 22:22				MJC		
029F0101.D	g128-1648-10e x1	12/9/05 22:46				MJC		
030F0101.D	g128-1648-13e x1	12/9/05 23:10				MJC		
031F0101.D	b	12/9/05 23:35				MJC		
032F0101.D	G 500	12/9/05 23:59				MJC		
033F0101.D	lcs4120905b	12/10/05 0:23				MJC		
034F0101.D	vblk4120905b	12/10/05 0:47				MJC		
035F0101.D	g128-1648-22a x1	12/10/05 1:12				MJC		
036F0101.D	g128-1648-21e x1	12/10/05 1:36				MJC		
037F0101.D	G128-1648-21E x1 ms	12/10/05 2:00	cid= 187151			MJC		
038F0101.D	G128-1648-21E x1 msd	12/10/05 2:24	cid= 187151			MJC		
039F0101.D	g128-1648-19e x1	12/10/05 2:49				MJC		
040F0101.D	g128-1648-20e x1	12/10/05 3:13				MJC		
041F0101.D	G128-1648-20E x1 dup	12/10/05 3:37	cid= 187145			MJC		
042F0101.D	g161-2262-1d x1	12/10/05 4:01				MJC		
043F0101.D	g161-2262-2d x1	12/10/05 4:25				MJC		
044F0101.D	g161-2262-3d x1	12/10/05 4:49				MJC		

Analyst: _____

Page Number: _____

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical

GC4 VPH Runlog Sheet

Method: MA VPH / 5030 GRO

Initial Cal. Curve: VPH-10/31/05 GRO-12/06/05

Matrix: Water/Soil

Batch: vp120905

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
045F0101.D	g349-129-1a x1	12/10/05 5:14				MJC		
046F0101.D	g349-129-2a x1	12/10/05 5:38				MJC		
047F0101.D	g349-129-3a x1	12/10/05 6:02				MJC		
048F0101.D	g349-129-4a x1	12/10/05 6:26				MJC		
049F0101.D	g349-130-1a x1	12/10/05 6:51				MJC		
050F0101.D	g128-1649-3e x1	12/10/05 7:15				MJC		
051F0101.D	g128-1649-4e x1	12/10/05 7:39				MJC		
052F0101.D	g128-1649-1e x1	12/10/05 8:03				MJC		
053F0101.D	g128-1649-9e x1	12/10/05 8:29				MJC		
054F0101.D	g128-1649-6e x1	12/10/05 8:54				MJC		
055F0101.D	g128-1649-7e x1	12/10/05 9:19				MJC		
056F0101.D	g128-1649-8e x1	12/10/05 9:45				MJC		
057F0101.D	g128-1649-2e x1	12/10/05 10:10				MJC		
058F0101.D	g128-1649-5e x1	12/10/05 10:36				MJC		
059F0101.D	b	12/10/05 11:01				MJC		

Analyst: _____

Page Number: _____

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

MARTIN PROPERTY
DATA VALIDATION PACKAGES

MARTIN SITE CHECKLIST– December 2005 Sampling

Paradigm Report # Date Collected	Sample Identification(s)	
G161-2262 Collected December 7, 2005	MMW-5	*Trip Blank (QC)*
	MDW-1	
	Equipment Blank (QC)	

Sample Team:	Jason Ricks (ECS Carolinas, LLP)
Sample Matrix:	Groundwater
Analyzing Laboratories:	Paradigm Analytical, Wilmington, North Carolina
Analyses:	Volatile Organics (VOC)/601 and 602; Semi-VOCs (SVOC)/8270-BN; Volatile Petroleum Hydrocarbons (VPH)/MDEP-VPH; Extractable Petroleum Hydrocarbons (EPH)/MDEP-EPH; Ethylene Dibromide (EDB)/504 1; and Lead (Pb)/6020B
QA Reporting Levels:	All samples received a Level II Data Validation

ARCADIS G&M, Inc
4915 Prospectus Drive Suite F
Durham, North Carolina 27713
Tel 919-544-4535
Fax 919-544-5690

Project: Martin Site

GROUNDWATER

Project Number:
NC105012 0001 RN001

FIELD DATA PACKAGE DOCUMENTATION

The review of the field documents for the samples included in this SDG was conducted by the field quality assurance officer and is not presented in this data validation checklist.

The following Field QC samples were collected in association with this December 2005 groundwater sample. It should be noted that field QC samples were collected at the appropriate frequency.

One blind field duplicate was collected during this sampling event:

- MSDUP-3 is the blind field duplicate for primary sample MMW4. However, the primary sample was not part of this validation, so the field duplicate was not evalutated.

One Trip Blank and one Equipment Blank sample were analyzed for VOCs/Method 601/602.

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list	X				X
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

1. Although additional data were provided by the laboratory, a Level II data validation was performed on these data packages. Any Tentatively Identified Compounds (TICs) reported were not evaluated as part of this validation. Twenty-five percent of the data for each parameter was validated, with the directive that if serious quality control deficiencies were encountered, that the remainder of the data would be validated. No such deficiencies were encountered.

   The Chain-of-Custody and data pages for each of the laboratory data packages included in this validation are attached. Any qualifiers assigned to this data are detailed in the following sections, and are clearly marked on these data pages.

VOLATILE ORGANIC COMPOUNDS

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times		X		X	
2. Reporting limits		X		X	
3. Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
C. Field (rinseate) blanks	X				X
D. Trip blanks		X		X	
4. Matrix spike (MS) %R		X		X	
5. Matrix spike duplicate (MSD) %R		X		X	
6. MS/MSD precision (RPD)		X		X	
7. Laboratory Control Sample (LCS)		X		X	
8. Laboratory Control Sample Duplicate(LCSD)		X		X	
9. LCS/LCSD precision (RPD)		X		X	
10. Surrogate spike recoveries		X		X	
11. Field duplicate comparison	X				X

VOCs - volatile organic compounds %R - percent recovery RPD - relative percent difference

Comments:
This section presents the review of USEPA Volatile Organics (VOC)/601 and 602; Volatile Petroleum Hydrocarbons (VPH)/MDEP-VPH; and Ethylene Dibromide (EDB)/504.1. Performance was acceptable, with the following exceptions and notes:

3A. The Method Blank (MB) associated with this sample did not detect any of the target compounds above the reporting limit.

3B. None of the target compounds were detected in the Equipment Blank.

3D. None of the target compounds were detected in the Trip Blank.

4-6. Batch samples were used for the MS/MSD analyses and were not evaluated for matrix interference with our samples.

7-9. The LCS recoveries and/or RPD were within control limits.

SEMIVOLATILE ORGANIC COMPOUNDS

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times					
A. Extraction holding time		X		X	
B. Analysis holding time		X		X	
2. Reporting limits		X		X	
3. Blanks					
A. Method Blanks		X		X	
C. Equipment Blanks	X				X
D. Field Blanks	X				X
4. Matrix spike (MS) %R		X		X	
5. Matrix spike duplicate (MSD) %R		X		X	
6. MS/MSD precision (RPD))		X		X	
7. Laboratory control sample (LCS)		X		X	
8. LCS duplicate (LCSD)	X				X
9. LCS/LCSD precision (RPD)	X				X
10. Surrogate spike recoveries		X		X	
11. Field duplicate comparison	X				X

SVOCs - semivolatile organic compounds %R - percent recovery RPD - relative percent difference

Comments:
This section includes review of Semi-VOCs (SVOC)/8270-BN and Extractable Petroleum Hydrocarbons (EPH)/MDEP-EPH. Performance was acceptable, with the following exceptions and notes. Note that the laboratory reported N-Nitrosodiphenylamine as the breakdown product diphenylamine.

3A. The Method Blanks (MB) associated with each batch of samples did not detect any of the target compounds above the reporting limit.

4-6. Sample MMW-5 was used for the SVOC MS/MSD analysis. The recoveries and RPD were within control limits, with the exception of diphenylamine. The recoveries were above the control limit; however, this compound was not detected in this sample and no action was required. A batch sample was used for the EPH MS/MSD analysis and was not evaluated for matrix interference with our samples.

7. The LCS recoveries were within the control limits.

METALS METHOD

Items Reviewed	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Reporting limits		X		X	
3. Blanks A. Method blanks		X		X	
B. Equipment blanks	X				X
C. Field (rinseate) blanks	X				X
4. Laboratory control sample (LCS) %R		X		X	
5. Laboratory control sample duplicate (LCSD) %R		X		X	
6. LCS/LCSD RPD		X		X	
7. Matrix spike (MS) %R		X		X	
8. MS duplicate (MSD) %R		X		X	
9. MS/MSD RPD		X		X	
10. Field duplicate comparison	X				X
11. Total and dissolved metals comparison	X				X

%R - percent recovery RPD - relative percent difference MSD - matrix spike duplicate

Comments:
This section includes review of Method 6020 for Lead (Pb). Performance was acceptable, with the following exceptions and notes.

2. Sample MMW-5 was diluted 1:25, even though the result was nondetect. According to the laboratory, 1:25 is the standard dilution for 6020 analyses. The samples are digested with hydrochloric acid, which causes interferences with the mass spectrometer. However, the detection limit is so low with 6020, that even with the 1:25 dilution, the reporting limit is on par with an undiluted 6010 analysis.

3A. None of the blanks detected Pb at concentrations above the reporting limit.

4-6. The LCS/LCSD recoveries and RPD were within control limits.

7-9. A batch sample was used for the MS/MSD analysis and was not evaluated for matrix interference with our sample.

DATA VALIDATION CHECKLIST
SUMMARY AND DATA QUALIFIER CODES

Paradigm Report # Date Collected	**Sample Identification(s)**	
G161-2262 Collected December 7, 2005	MMW-5	*Trip Blank (QC)*
	MDW-1	
	Equipment Blank (QC)	

Sample Team:	Jason Ricks (ECS Carolinas, LLP)
Sample Matrix:	Groundwater
Analyzing Laboratories:	Paradigm Analytical, Wilmington, North Carolina
Analyses:	Volatile Organics (VOC)/601 and 602; Semi-VOCs (SVOC)/8270-BN; Volatile Petroleum Hydrocarbons (VPH)/MDEP-VPH; Extractable Petroleum Hydrocarbons (EPH)/MDEP-EPH; Ethylene Dibromide (EDB)/504.1; and Lead (Pb)/6020B
QA Reporting Levels:	All samples received a Level II Data Validation

Explanation/Notes:
Analytical data submitted in the above referenced Paradigm Analytical reports were reviewed and evaluated using the USEPA National Functional Guidelines (NFG) for the Review of Organic Data, dated October 1999, NFG for the Review of Inorganic Data, dated October 2004, the method specific criteria, and professional judgment where applicable. Data validation qualifiers that were assigned are presented in the attached data sheets. A detailed description of quality control (QC) deficiencies is included in the corresponding data section. All other data are classified as quantitative.

VALIDATION PERFORMED BY
SIGNATURE:

DATE: May 8, 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# 51224

Page 1 of 1

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Client: EGS
Address: 6909 International Dr. Suite 3
Address: Greensboro, NC 27409
Quote #: 1842

Project ID: Martin Site
Contact: Jason Picks
Phone: 336-856-7150
Fax: 336-856-7160

Date: 12/7/05
Turnaround: 7-Day
Job Number: G-9506
P.O. Number:

Report To: Jpicks@ecslimited.com
Invoice To: ECS

Sample ID	Date	Time	Matrix	Preservatives: HCL	Preservatives: HNO3			Analyses: 601/602	625 BN + 10 Tics	Lead By 3030C	EDB 504.1	EPH/VPH						Comments: Please specify any special reporting requirements
																		City of
MMW5	12/7/05	1000	water	✓	✓			✓	✓	✓	✓	✓						
MDW1	12/7/05	1100	water	✓	✓			✓	✓	✓	✓	✓						Greensboro
MMW4	12/7/05	1122	water	✓	✓			✓	✓	✓	✓	✓						
																		Project
MSDUP-3			water	✓				✓										
Equipment Blank	12/7/05	1150	water	✓				✓										G161-2262
Trip Blank								✓										

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
Matt Branson	12/7/05	1700	Fedex				NC X SC ____ Other ____
			John Johnson	12/8/05	1000	0.2°C	SEE REVERSE FOR TERMS AND CONDITIONS

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

Results for Volatiles
by GC 601

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 10:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.8	102

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

Reviewed By: GC_UU3_v2.0.XLS

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

Results for Volatiles
by GC 601

Client Sample ID: MDW1
Client Project ID: Martin Site
Lab Sample ID: G161-2262-2A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 11:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	41.3	103

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

Reviewed By:

GC_LEAS_v2.0.XLS

N C CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

Results for Volatiles
by GC 601

Client Sample ID: Equipment Blank
Client Project ID: Martin Site
Lab Sample ID: G161-2262-5A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 11:50
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	39.0	97.6

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

Reviewed By:

N C CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

Results for Volatiles
by GC 601

Client Sample ID: Trip Blank
Client Project ID: Martin Site
Lab Sample ID: G161-2262-6A
Lab Project ID: G161-2262

Analyzed By: MJC
Date Collected: 12/7/05 0:00
Date Received: 12/8/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	12/13/05
Bromoform	BQL	2.00	1	12/13/05
Bromomethane	BQL	1.00	1	12/13/05
Carbon tetrachloride	BQL	1.00	1	12/13/05
Chlorobenzene	BQL	1.00	1	12/13/05
Chloroethane	BQL	1.00	1	12/13/05
Chloroform	BQL	1.00	1	12/13/05
Chloromethane	BQL	1.00	1	12/13/05
Dibromochloromethane	BQL	1.00	1	12/13/05
1,2-Dibromoethane (EDB)	BQL	1.00	1	12/13/05
1,2-Dichlorobenzene	BQL	1.00	1	12/13/05
1,3-Dichlorobenzene	BQL	1.00	1	12/13/05
1,4-Dichlorobenzene	BQL	1.00	1	12/13/05
1,1-Dichloroethane	BQL	1.00	1	12/13/05
1,2-Dichloroethane	BQL	1.00	1	12/13/05
1,1-Dichloroethene	BQL	1.00	1	12/13/05
cis-1,2-Dichloroethene	BQL	1.00	1	12/13/05
trans-1,2-Dichloroethene	BQL	1.00	1	12/13/05
1,2-Dichloropropane	BQL	1.00	1	12/13/05
cis-1,3-Dichloropropene	BQL	1.00	1	12/13/05
trans-1,3-Dichloropropene	BQL	1.00	1	12/13/05
Methylene Chloride	BQL	5.00	1	12/13/05
1,1,2,2-Tetrachloroethane	BQL	1.00	1	12/13/05
Tetrachloroethene	BQL	1.00	1	12/13/05
1,1,1-Trichloroethane	BQL	1.00	1	12/13/05
1,1,2-Trichloroethane	BQL	1.00	1	12/13/05
Trichloroethene	BQL	1.00	1	12/13/05
Trichlorofluoromethane	BQL	1.00	1	12/13/05
Vinyl Chloride	BQL	1.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.8	102

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

Reviewed By: _____
GC_LIN5_v2.0.XLS

N.C. CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

Results for Volatiles
by GC 602

Client Sample ID:	MMW5	Analyzed By:	MJC
Client Project ID:	Martin Site	Date Collected:	12/7/05 10:00
Lab Sample ID:	G161-2262-1A	Date Received:	12/8/05
Lab Project ID:	G161-2262	Matrix:	Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1 00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1 00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

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: _____
GC_LMS_V2.0 XLS

N C CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

Results for Volatiles
by GC 602

Client Sample ID:	MDW1	Analyzed By:	MJC
Client Project ID:	Martin Site	Date Collected:	12/7/05 11:00
Lab Sample ID:	G161-2262-2A	Date Received:	12/8/05
Lab Project ID:	G161-2262	Matrix:	Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.4

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

Reviewed By: _____
GC_LIV5_V2.0.XLS

N C CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC

Results for Volatiles
by GC 602

Client Sample ID:	Equipment Blank	Analyzed By:	MJC
Client Project ID:	Martin Site	Date Collected:	12/7/05 11:50
Lab Sample ID:	G161-2262-5A	Date Received:	12/8/05
Lab Project ID:	G161-2262	Matrix:	Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.9	99.8

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

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles
by GC 602

Client Sample ID:	Trip Blank	Analyzed By:	MJC
Client Project ID:	Martin Site	Date Collected:	12/7/05 0:00
Lab Sample ID:	G161-2262-6A	Date Received:	12/8/05
Lab Project ID:	G161-2262	Matrix:	Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	12/13/05
Diisopropyl ether (DIPE)	BQL	1.00	1	12/13/05
Ethylbenzene	BQL	1.00	1	12/13/05
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	12/13/05
Toluene	BQL	1.00	1	12/13/05
m/p-Xylene	BQL	2.00	1	12/13/05
o-Xylene	BQL	2.00	1	12/13/05

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	39.8	99.5

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

Reviewed By: _____
GC_LIMS_v2.0.XLS

PARADIGM ANALYTICAL LABORATORIES, INC

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1L
Lab Project ID: G161-2262

Analyzed By: MRC
Date Collected: 12/7/2005 10:00
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	10.0	1.22	1	12/13/2005	
Acenaphthylene	BQL	10.0	1.12	1	12/13/2005	
Anthracene	BQL	10.0	1.75	1	12/13/2005	
Benzo[a]anthracene	BQL	10.0	1.36	1	12/13/2005	
Benzo[a]pyrene	BQL	10.0	1.27	1	12/13/2005	
Benzo[b]fluoranthene	BQL	10.0	1.43	1	12/13/2005	
Benzo[g,h,i]perylene	BQL	10.0	4.57	1	12/13/2005	
Benzo[k]fluoranthene	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroethoxy)methane	BQL	10.0	1.11	1	12/13/2005	
Bis(2-chloroethyl)ether	BQL	10.0	1.09	1	12/13/2005	
Bis(2-chloroisopropyl)ether	BQL	10.0	1.57	1	12/13/2005	
Bis(2-ethylhexyl)phthalate	BQL	10.0	1.33	1	12/13/2005	
4-bromophenyl phenyl ether	BQL	10.0	1.99	1	12/13/2005	
Butylbenzylphthalate	BQL	10.0	1.53	1	12/13/2005	
2-Chloronaphthalene	BQL	10.0	1.25	1	12/13/2005	
4-Chlorophenyl phenyl ether	BQL	10.0	1.42	1	12/13/2005	
Chrysene	BQL	10.0	1.11	1	12/13/2005	
Dibenzo[a,h]anthracene	BQL	10.0	4.87	1	12/13/2005	
Di-n-Butylphthalate	BQL	10.0	1.65	1	12/13/2005	
1,2-Dichlorobenzene	BQL	10.0	1.25	1	12/13/2005	
1,3-Dichlorobenzene	BQL	10.0	1.24	1	12/13/2005	
1,4-Dichlorobenzene	BQL	10.0	1.20	1	12/13/2005	
3,3'-Dichlorobenzidine	BQL	20.0	4.10	1	12/13/2005	
Diethylphthalate	BQL	10.0	1.48	1	12/13/2005	
Dimethylphthalate	BQL	10.0	1.04	1	12/13/2005	
Di-n-octylphthalate	BQL	10.0	1.16	1	12/13/2005	
2,4-Dinitrotoluene	BQL	10.0	1.52	1	12/13/2005	
2,6-Dinitrotoluene	BQL	10.0	1.41	1	12/13/2005	
Diphenylamine *	BQL	10.0	1.53	1	12/13/2005	
Fluoranthene	BQL	10.0	1.41	1	12/13/2005	
Fluorene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobenzene	BQL	10.0	1.22	1	12/13/2005	
Hexachlorobutadiene	BQL	10.0	1.58	1	12/13/2005	
Hexachlorocyclopentadiene	BQL	20.0	20.0	1	12/13/2005	
Hexachloroethane	BQL	10.0	1.58	1	12/13/2005	
Indeno(1,2,3-c,d)pyrene	BQL	10.0	4.57	1	12/13/2005	
Isophorone	BQL	10.0	1.27	1	12/13/2005	
Naphthalene	BQL	10.0	1.08	1	12/13/2005	
Nitrobenzene	BQL	10.0	1.32	1	12/13/2005	
N-Nitrosodi-n-propylamine	BQL	10.0	1.87	1	12/13/2005	
Phenanthrene	BQL	10.0	1.38	1	12/13/2005	
Pyrene	BQL	10.0	2.08	1	12/13/2005	

PARADIGM ANALYTICAL LABORATORIES, INC

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1L
Lab Project ID: G161-2262

Analyzed By: MRC
Date Collected: 12/7/2005 10:00
Date Received: 12/8/2005
Date Extracted: 12/9/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
1,2,4-Trichlorobenzene	BQL	10.0	1.33	1	12/13/2005	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8	80
Nitrobenzene-d5	10	7 9	79
4-Terphenyl-d14	10	8.8	88

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine

Flags:

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

Reviewed By:

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MMW5
Sample Matrix	Water
Collection Option (for Soil)*	
Date Collected	12/07/05
Date Received	12/08/05
Date Extracted	12/10/05
Date Analyzed	12/10/05
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	99
Surrogate % Recovery - FID	99

* = 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: g161-2262-1d

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: ECS

Project Name: Martin Site

Sample Information and Analytical Results	
Sample Identification	MMW5
Sample Matrix	Water
Date Collected	12/07/05
Date Received	12/08/05
Date Extracted	12/09/05
Date Analyzed	12/12/05
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	73
Aromatic Surrogate % Recovery	76

Comments:

* = Excludes any surrogates or internal standards

Sample did not require fractionation.

Lab Info: G161-2262-1K

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC

Results for Organics
by EPA 504.1

Client Sample ID: MMW5
Client Project ID: Martin Site
Lab Sample ID: G161-2262-1P
Lab Project ID: G161-2262

Analyzed By: DCS
Date Collected: 12/7/2005 10:00
Date Received: 12/8/2005 10:00
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Ethylene Dibromide	BQL	0 0194	1	12/14/2005

Reviewed By

2011_UM5_1 34 XLS

PARADIGM ANALYTICAL LABORATORIES, INC

Results for Metals

Client Sample ID:	MMW5	Analyzed By:	RML
Client Project ID:	Martin Site	Date Collected:	12/7/2005 10:00
Lab Sample ID:	G161-2262-1	Date Received:	12/8/05
Lab Project ID:	G161-2262	Matrix:	WATER
Batch ID:	4155		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Lead	BQL	5.00	0.470	25	UG/L	6020	12/12/05	

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

Reviewed By: MET_MS_350

N C CERTIFICATION #481