HAMPTONCLARKE-VERITECH

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800-426-9992 · 973-244-9770
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WWW.HCVLAB.COM

Project: Port Ivory-Site 1 Remed.

Client PO: Not Available

Report To: Hatch Mott MacDonald
27 Bleeker Street
Millburn, NJ 07041

Attn: R.Trepp

Received Date: 12/21/2009

Report Date: 1/13/2010

Deliverables: NYDOH-CatB

Lab ID: AC49029

Lab Project No: 9122115

Jeri Rossi - Quality Assurance Director OR **Stanley Gilewicz - Laboratory Director**

NJ	(07071 and 07069)	NY	(ELAP11408 and 11939)	CT	(PH-0671)	USACE
PA	(68-00463 and 68-04409)	KY	(90124)	WV	(353)	

NELAP ACCREDITED TNI LABORATORY

HC·V
HAMPTONCLARKE·VERITECH

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SDG Narrative

HC·V
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SDG Narrative

Client: Port Authority of NY& NJ
Project: Port Ivory-Site 1 Remed.

Hampton-Clarke/Veritech (HC·V) received the following samples on December 21, 2009:

Client ID	HCV Sample ID	Matrix	Analysis
PI-01-TP-RAN2-121809SS01	AC49029-001	Soil	VO (8260B), BNA (8270C)

Volatile Organic Analysis:

The recovery of 1,4-Dichlorobenzene is biased low, outside QC limits in the Matrix Spike and Matrix Spike Duplicate in batch 14459. All QC criteria were met in the Laboratory Control Sample (MBS).

Base Neutral Acid Extractable Analysis:

Data conforms to method requirements.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Robyn Rossi — 1/14/10

Jeri Rossi
Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director

Date

Reporting Limit Definitions

HC·V
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REPORTING LIMIT DEFINITIONS

RL = Reporting Limit

MDL = Method Detection Limit

For Clean Water Act and SW846 Organic methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve.

For Clean Water Act Metals method, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve.

For Clean Water Act and SW846 Wet Chemistry methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve. For most gravimetric methods the Reporting Limit is defined as a value 3 to 5 times the MDL.

Data Package Summary Forms

Veritech Report Of Analysis

Lab#: AC49029-001 Collection Date: 12/18/2009
Sample ID: PI-01-TP-RAN2 121809SS01

TestGroup/Analyte	DF	Units	RL	Result
% Solids SM2540G				
% Solids	1	percent		56
Semivolatile Organics + 25 (8270)				
:TotalSemiVolatileTic	1	mg/kg	NA	250J
1,2,4-Trichlorobenzene	1	mg/kg	0.12	ND
1,2-Diphenylhydrazine	1	mg/kg	0.12	ND
2,4,5-Trichlorophenol	1	mg/kg	0.12	ND
2,4,6-Trichlorophenol	1	mg/kg	0.12	ND
2,4-Dichlorophenol	1	mg/kg	0.12	ND
2,4-Dimethylphenol	1	mg/kg	0.12	ND
2,4-Dinitrophenol	1	mg/kg	0.60	ND
2,4-Dinitrotoluene	1	mg/kg	0.12	ND
2,6-Dinitrotoluene	1	mg/kg	0.12	ND
2-Chloronaphthalene	1	mg/kg	0.12	ND
2-Chlorophenol	1	mg/kg	0.12	ND
2-Methylnaphthalene	1	mg/kg	0.12	1.7
2-Methylphenol	1	mg/kg	0.12	ND
2-Nitroaniline	1	mg/kg	0.12	ND
2-Nitrophenol	1	mg/kg	0.12	ND
3&4-Methylphenol	1	mg/kg	0.12	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.12	ND
3-Nitroaniline	1	mg/kg	0.12	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.60	ND
4-Bromophenyl-phenylether	1	mg/kg	0.12	ND
4-Chloro-3-methylphenol	1	mg/kg	0.12	ND
4-Chloroaniline	1	mg/kg	0.12	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.12	ND
4-Nitroaniline	1	mg/kg	0.12	ND
4-Nitrophenol	1	mg/kg	0.12	ND
Acenaphthene	1	mg/kg	0.12	0.16
Acenaphthylene	1	mg/kg	0.12	ND
Aniline	1	mg/kg	0.12	ND
Anthracene	1	mg/kg	0.12	0.19
Benzidine	1	mg/kg	0.60	ND
Benzo[a]anthracene	1	mg/kg	0.12	0.18
Benzo[a]pyrene	1	mg/kg	0.12	ND
Benzo[b]fluoranthene	1	mg/kg	0.12	ND
Benzo[g,h,i]perylene	1	mg/kg	0.12	ND
Benzo[k]fluoranthene	1	mg/kg	0.12	ND
Benzoic acid	1	mg/kg	0.12	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.12	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.12	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.12	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.12	ND
Butylbenzylphthalate	1	mg/kg	0.12	ND
Carbazole	1	mg/kg	0.12	ND
Chrysene	1	mg/kg	0.12	0.23
Dibenzo[a,h]anthracene	1	mg/kg	0.12	ND
Dibenzofuran	1	mg/kg	0.12	ND
Diethylphthalate	1	mg/kg	0.12	ND
Dimethylphthalate	1	mg/kg	0.12	ND
Di-n-butylphthalate	1	mg/kg	0.12	ND
Di-n-octylphthalate	1	mg/kg	0.12	ND
Fluoranthene	1	mg/kg	0.12	0.35
Fluorene	1	mg/kg	0.12	0.27
Hexachlorobenzene	1	mg/kg	0.12	ND
Hexachlorobutadiene	1	mg/kg	0.12	ND
Hexachlorocyclopentadiene	1	mg/kg	0.12	ND
Hexachloroethane	1	mg/kg	0.12	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.12	ND
Isophorone	1	mg/kg	0.12	ND
Naphthalene	1	mg/kg	0.12	0.14
Nitrobenzene	1	mg/kg	0.12	ND
N-Nitrosodimethylamine	1	mg/kg	0.12	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.12	ND
N-Nitrosodiphenylamine	1	mg/kg	0.12	ND
Pentachlorophenol	1	mg/kg	0.60	ND
Phenanthrene	1	mg/kg	0.12	1.2
Phenol	1	mg/kg	0.12	ND
Pyrene	1	mg/kg	0.12	0.91

Lab#: AC49029-001 Collection Date: 12/18/2009
Sample ID: PI-01-TP-RAN2 121809SS01

TestGroup/Analyte	DF	Units	RL	Result
Volatile Organics + 10 (8260)				
:TotalVolatileTic	1	mg/kg	NA	0.42J
1,1,1-Trichloroethane	1	mg/kg	0.0089	ND
1,1,2,2-Tetrachloroethane	1	mg/kg	0.0089	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	mg/kg	0.0089	ND
1,1,2-Trichloroethane	1	mg/kg	0.0089	ND
1,1-Dichloroethane	1	mg/kg	0.0089	ND
1,1-Dichloroethene	1	mg/kg	0.0089	ND
1,2,3-Trichloropropane	1	mg/kg	0.0089	ND
1,2,4-Trimethylbenzene	1	mg/kg	0.0018	0.0039
1,2-Dichlorobenzene	1	mg/kg	0.0089	ND
1,2-Dichloroethane	1	mg/kg	0.0089	ND
1,2-Dichloropropane	1	mg/kg	0.0089	ND
1,3,5-Trimethylbenzene	1	mg/kg	0.0018	ND
1,3-Dichlorobenzene	1	mg/kg	0.0089	ND
1,3-Dichloropropane	1	mg/kg	0.0089	ND
1,4-Dichlorobenzene	1	mg/kg	0.0089	ND
1,4-Dioxane	1	mg/kg	0.45	ND
2-Butanone	1	mg/kg	0.0089	ND
2-Chloroethylvinylether	1	mg/kg	0.0089	ND
2-Hexanone	1	mg/kg	0.0089	ND
4-Isopropyltoluene	1	mg/kg	0.0018	0.0021
4-Methyl-2-pentanone	1	mg/kg	0.0089	ND
Acetone	1	mg/kg	0.045	0.22
Acrolein	1	mg/kg	0.045	ND
Acrylonitrile	1	mg/kg	0.0089	ND
Benzene	1	mg/kg	0.0018	ND
Bromodichloromethane	1	mg/kg	0.0089	ND
Bromoform	1	mg/kg	0.0089	ND
Bromomethane	1	mg/kg	0.0089	ND
Carbon disulfide	1	mg/kg	0.0089	ND
Carbon tetrachloride	1	mg/kg	0.0089	ND
Chlorobenzene	1	mg/kg	0.0089	ND
Chloroethane	1	mg/kg	0.0089	ND
Chloroform	1	mg/kg	0.0089	ND
Chloromethane	1	mg/kg	0.0089	ND
cis-1,2-Dichloroethene	1	mg/kg	0.0089	ND
cis-1,3-Dichloropropene	1	mg/kg	0.0089	ND
Dibromochloromethane	1	mg/kg	0.0089	ND
Dichlorodifluoromethane	1	mg/kg	0.0089	ND
Ethylbenzene	1	mg/kg	0.0018	ND
Isopropylbenzene	1	mg/kg	0.0018	0.0062
m&p-Xylenes	1	mg/kg	0.0018	0.0038
Methylene chloride	1	mg/kg	0.0089	ND
Methyl-t-butyl ether	1	mg/kg	0.0018	ND
n-Butylbenzene	1	mg/kg	0.0018	0.0059
n-Propylbenzene	1	mg/kg	0.0018	0.0071
o-Xylene	1	mg/kg	0.0018	0.0070
sec-Butylbenzene	1	mg/kg	0.0018	0.0020
Styrene	1	mg/kg	0.0089	ND
t-Butyl Alcohol	1	mg/kg	0.045	ND
t-Butylbenzene	1	mg/kg	0.0018	ND
Tetrachloroethene	1	mg/kg	0.0089	ND
Toluene	1	mg/kg	0.0018	ND
trans-1,2-Dichloroethene	1	mg/kg	0.0089	ND
trans-1,3-Dichloropropene	1	mg/kg	0.0089	ND
Trichloroethene	1	mg/kg	0.0089	ND
Trichlorofluoromethane	1	mg/kg	0.0089	ND
Vinyl chloride	1	mg/kg	0.0089	ND
Xylenes (Total)	1	mg/kg	0.0018	0.0108

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC49029-001
Client Id: PI-01-TP-RAN2 121809SS0
Data File: 1M52599.D
Analysis Date: 12/28/09 13:42
Date Rec/Extracted: 12/21/09-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 4.99g
Final Vol: NA
Dilution: 1.00
Solids: 56

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0089	U	56-23-5	Carbon Tetrachloride	0.0089	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0089	U	108-90-7	Chlorobenzene	0.0089	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0089	U	75-00-3	Chloroethane	0.0089	U
79-00-5	1,1,2-Trichloroethane	0.0089	U	67-66-3	Chloroform	0.0089	U
75-34-3	1,1-Dichloroethane	0.0089	U	74-87-3	Chloromethane	0.0089	U
75-35-4	1,1-Dichloroethene	0.0089	U	156-59-2	cis-1,2-Dichloroethene	0.0089	U
96-18-4	1,2,3-Trichloropropane	0.0089	U	10061-01-5	cis-1,3-Dichloropropene	0.0089	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.0018**	**0.0039**	124-48-1	Dibromochloromethane	0.0089	U
95-50-1	1,2-Dichlorobenzene	0.0089	U	75-71-8	Dichlorodifluoromethane	0.0089	U
107-06-2	1,2-Dichloroethane	0.0089	U	100-41-4	Ethylbenzene	0.0018	U
78-87-5	1,2-Dichloropropane	0.0089	U	**98-82-8**	**Isopropylbenzene**	**0.0018**	**0.0062**
108-67-8	1,3,5-Trimethylbenzene	0.0018	U	**136777612**	**m&p-Xylenes**	**0.0018**	**0.0038**
541-73-1	1,3-Dichlorobenzene	0.0089	U	75-09-2	Methylene Chloride	0.0089	U
142-28-9	1,3-Dichloropropane	0.0089	U	1634-04-4	Methyl-t-butyl ether	0.0018	U
106-46-7	1,4-Dichlorobenzene	0.0089	U	**104-51-8**	**n-Butylbenzene**	**0.0018**	**0.0059**
123-91-1	1,4-Dioxane	0.45	U	**103-65-1**	**n-Propylbenzene**	**0.0018**	**0.0071**
78-93-3	2-Butanone	0.0089	U	**95-47-6**	**o-Xylene**	**0.0018**	**0.0070**
110-75-8	2-Chloroethylvinylether	0.0089	U	**135-98-8**	**sec-Butylbenzene**	**0.0018**	**0.0020**
591-78-6	2-Hexanone	0.0089	U	100-42-5	Styrene	0.0089	U
99-87-6	**4-Isopropyltoluene**	**0.0018**	**0.0021**	75-65-0	t-Butyl Alcohol	0.045	U
108-10-1	4-Methyl-2-Pentanone	0.0089	U	98-06-6	t-Butylbenzene	0.0018	U
67-64-1	**Acetone**	**0.045**	**0.22**	127-18-4	Tetrachloroethene	0.0089	U
107-02-8	Acrolein	0.045	U	108-88-3	Toluene	0.0018	U
107-13-1	Acrylonitrile	0.0089	U	156-60-5	trans-1,2-Dichloroethene	0.0089	U
71-43-2	Benzene	0.0018	U	10061-02-6	trans-1,3-Dichloropropene	0.0089	U
75-27-4	Bromodichloromethane	0.0089	U	79-01-6	Trichloroethene	0.0089	U
75-25-2	Bromoform	0.0089	U	75-69-4	Trichlorofluoromethane	0.0089	U
74-83-9	Bromomethane	0.0089	U	75-01-4	Vinyl Chloride	0.0089	U
75-15-0	Carbon Disulfide	0.0089	U	**1330-20-7**	**Xylenes (Total)**	**0.0018**	**0.0108**

Worksheet #: 140343

Total Target Concentration 0.26

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC49029-001
Client Id: PI-01-TP-RAN2 121809
Data File: 1M52599.D
Analysis Date: 12/28/09 13:42
Date Rec/Extracted: 12/21/09-NA

Matrix: Soil
Initial Vol: 4.99g
Final Vol: NA
Dilution: 1.00
Solids: 56
Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	6.96	0.027 J
2	611-15-4	Benzene, 1-ethenyl-2-methyl-	8.05	0.068 J
3	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.41	0.048 J
4	488-23-3	Benzene, 1,2,3,4-tetramethyl-	8.57	0.026 J
5	824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	8.80	0.039 J
6	824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	8.90	0.089 J
7	17059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethyl-	9.11	0.033 J
8	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.21	0.039 J
9	1685-82-1	1H-Indene, 2,3-dihydro-4,6-dimethyl-	9.69	0.024 J
10	1685-82-1	1H-Indene, 2,3-dihydro-4,6-dimethyl-	9.84	0.025 J

Worksheet #: 140343

Total Tentatively Identified Concentration 0.42

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC49029-001
Client Id: PI-01-TP-RAN2 121809SS0
Data File: 9M22405.D
Analysis Date: 12/27/09 15:52
Date Rec/Extracted: 12/21/09-12/23/09
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 56

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.12	U	191-24-2	Benzo[g,h,i]perylene	0.12	U
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.12	U
95-95-4	2,4,5-Trichlorophenol	0.12	U	65-85-0	Benzoic Acid	0.12	U
88-06-2	2,4,6-Trichlorophenol	0.12	U	111-91-1	bis(2-Chloroethoxy)methan	0.12	U
120-83-2	2,4-Dichlorophenol	0.12	U	111-44-4	bis(2-Chloroethyl)ether	0.12	U
105-67-9	2,4-Dimethylphenol	0.12	U	108-60-1	bis(2-chloroisopropyl)ether	0.12	U
51-28-5	2,4-Dinitrophenol	0.60	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.12	U
121-14-2	2,4-Dinitrotoluene	0.12	U	85-68-7	Butylbenzylphthalate	0.12	U
606-20-2	2,6-Dinitrotoluene	0.12	U	86-74-8	Carbazole	0.12	U
91-58-7	2-Chloronaphthalene	0.12	U	**218-01-9**	**Chrysene**	**0.12**	**0.23**
95-57-8	2-Chlorophenol	0.12	U	53-70-3	Dibenzo[a,h]anthracene	0.12	U
91-57-6	**2-Methylnaphthalene**	**0.12**	**1.7**	132-64-9	Dibenzofuran	0.12	U
95-48-7	2-Methylphenol	0.12	U	84-66-2	Diethylphthalate	0.12	U
88-74-4	2-Nitroaniline	0.12	U	131-11-3	Dimethylphthalate	0.12	U
88-75-5	2-Nitrophenol	0.12	U	84-74-2	Di-n-butylphthalate	0.12	U
106-44-5	3&4-Methylphenol	0.12	U	117-84-0	Di-n-octylphthalate	0.12	U
91-94-1	3,3'-Dichlorobenzidine	0.12	U	**206-44-0**	**Fluoranthene**	**0.12**	**0.35**
99-09-2	3-Nitroaniline	0.12	U	**86-73-7**	**Fluorene**	**0.12**	**0.27**
534-52-1	4,6-Dinitro-2-methylphenol	0.60	U	118-74-1	Hexachlorobenzene	0.12	U
101-55-3	4-Bromophenyl-phenylether	0.12	U	87-68-3	Hexachlorobutadiene	0.12	U
59-50-7	4-Chloro-3-methylphenol	0.12	U	77-47-4	Hexachlorocyclopentadiene	0.12	U
106-47-8	4-Chloroaniline	0.12	U	67-72-1	Hexachloroethane	0.12	U
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.12	U
100-01-6	4-Nitroaniline	0.12	U	78-59-1	Isophorone	0.12	U
100-02-7	4-Nitrophenol	0.12	U	**91-20-3**	**Naphthalene**	**0.12**	**0.14**
83-32-9	**Acenaphthene**	**0.12**	**0.16**	98-95-3	Nitrobenzene	0.12	U
208-96-8	Acenaphthylene	0.12	U	62-75-9	N-Nitrosodimethylamine	0.12	U
62-53-3	Aniline	0.12	U	621-64-7	N-Nitroso-di-n-propylamine	0.12	U
120-12-7	**Anthracene**	**0.12**	**0.19**	86-30-6	n-Nitrosodiphenylamine	0.12	U
92-87-5	Benzidine	0.60	U	87-86-5	Pentachlorophenol	0.60	U
56-55-3	**Benzo[a]anthracene**	**0.12**	**0.18**	**85-01-8**	**Phenanthrene**	**0.12**	**1.2**
50-32-8	Benzo[a]pyrene	0.12	U	108-95-2	Phenol	0.12	U
205-99-2	Benzo[b]fluoranthene	0.12	U	**129-00-0**	**Pyrene**	**0.12**	**0.91**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC49029-001
Client Id: PI-01-TP-RAN2 121809
Data File: 9M22405.D
Analysis Date: 12/27/09 15:52
Date Rec/Extracted: 12/21/09-12/23/09

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 56
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.17	200 JAB
2	264-09-5	BENZOCYCLOHEPTATRIENE	7.28	1.1 J
3	575-37-1	Naphthalene, 1,7-dimethyl-	7.71	1.1 J
4	575-41-7	Naphthalene, 1,3-dimethyl-	7.77	1.3 J
5	2131-42-2	Naphthalene, 1,4,6-trimethyl-	8.45	1.0 J
6	629-78-7	Heptadecane	8.92	1.6 J
7		unknown	10.59	3.3 J
8	1576-69-8	Phenanthrene, 2,7-dimethyl-	10.71	1.1 J
9	629-94-7	Heneicosane	10.78	1.1 J
10	76319-77-2	10-Methoxybenz[a]azulen-1,4-dione	10.94	1.2 J
11	629-78-7	Heptadecane	11.22	2.1 J
12	638-67-5	Tricosane	11.65	2.6 J
13	593-45-3	Octadecane	12.07	2.2 J
14	630-06-8	Hexatriacontane	12.47	1.7 J
15	35599-77-0	Tridecane, 1-iodo-	12.86	1.5 J
16		unknown	13.89	2.2 J
17		unknown	13.94	3.0 J
18	1989-52-2	Cholest-5-en-3-ol (3.beta.)-, tetradecan	14.11	3.1 J
19	19454-79-6	19-NORCHOLESTA-1,3,5(10)-TRIEN-6-	14.31	0.99 J
20		unknown	14.60	2.0 J
21		unknown	14.66	1.5 J
22		unknown	14.86	3.6 J
23	6384-28-7	Cholest-7-en-3-ol, 4,4-dimethyl-, (3.bet	15.96	4.1 J
24		unknown	16.03	1.4 J
25		unknown	16.18	0.98 J

Worksheet #: 140342

Total Tentatively Identified Concentration 250

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

VERITECH Wet Chem Form1 Analysis Summary
% Solids

TestGroupName: % Solids SM2540G **Project #: 9122115**

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC49029-001	PI-01-TP-RANZ 1	Soil	**1**	**56**	**Percent**			12/22/09	12/21/09	12/18/09

Chain of Custody Forms

Veritech/Division of Hampton-Clarke — **CHAIN OF CUSTODY RECORD**

175 US Hwy 46 West, Fairfield, New Jersey 07004 & 198 Route 46 East, 1st Floor, Fairfield, New Jersey 07004

Ph: 800-426-9992
Fax: 973-439-1458

Project#(Lab Use Only): 9122115

Page 1 of 1

NELAC/NJ# 07071/07069 CT# PH-0671 NY/ELAP# 11408/11939 PA# 68-463/68-04409 WV# 353 KY# 90124

3) Reporting Requirements(please circle)

Customer Information	Project Information	Turnaround Time	Report type	Electronic Deliv
1a) Customer: Hatch Mott MacDonald	2a) Project: Port Ivory Site 1 Remedial Action	24-Hour(100%)	Data Sum	Hazsite/Csv
Address: 27 Bleeker St. Millburn NJ 07041	2b) Project Manager: Rob Trepp	48-Hour(75%)	Waste	Equis
1b) (Email)/Cell/Fax/Ph: Robert.Trepp@hatchmott.com	2c) Location (City/State): Staten Island, NY	72-Hour (50%)	Red-NJ/NY/PA	Excel-NJCC
1c) Send Invoice To: Angelos Zafiropoulos		4 Day (TPH)	CLP	Excel-Nytagm
	2d) Quote#/PO# (If Applicable):	1-Week(25%)	Full/(Cat-B)	Excel-PAActII
1d) Send Report To: Rob Trepp, Angelos Zafiropoulos		10 Days(10%)	Cat-A	PDF
		(Standard)	Other:	Other:
		Other:		

Expedited TAT Not always available (Please check with lab)!

7) Analysis Request

FOR LAB USE ONLY

Batch# AC49029

Matrix Codes: DW-Drinking Water; GW-Ground Water; WW-Waste Water; S-Soil; SL-Sludge; O-Oil; A-Air; Ot-Other

Check if Contingent===> <===Check if Contingent

Lab Sample#	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite(C)	Sample Type: Grab(G)	TCL VOCs +10	TCL SVOCs +20	8) # Of Bottles: None	MeOH	Encore	NaOH	HCl	H_2SO_4	HNO_3	Other:	9) Methanol Bottle Numbers (If applicable) / Comments
-001	PI-01-TP-RANZ 121809SS01	S	12/18/09	9AM		✓	✓	✓	3								

10) Relinquished By:	Accepted By	Date	Time
RJTrepp	[signature]	12/21/09	15:47
[signature]	C Orena	12/21/09	16:46

Comments, Notes, Special Requirements, HAZARDS

* Port Authority pricing
* NY Cat B deliverables
* Standard T.A.T.

Cooler Temp: 3.5°C

11) Sampler: RJTrepp Date: 12/15/09

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis

CONDITION UPON RECEIPT

Batch Number AC49029 Entered By: children

Date Entered 12/21/2009 5:09:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	Yes	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 3.5
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	Yes	Are samples preserved correctly?
12	NA	Are all soils preserved in methanol accompanied by dry soil?
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken).

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC49029-001	12/21/09 16:46	CHILD	0	M	Received
AC49029-001	12/21/09 17:09	CHILD	0	M	Login
AC49029-001	12/21/09 17:24	R12	1	A	NONE
AC49029-001	12/22/09 12:03	SDL	1	A	MIXING
AC49029-001	12/22/09 12:30	PB	1	A	%solids
AC49029-001	12/22/09 12:31	R12	1	A	NONE
AC49029-001	12/23/09 16:50	KALPE	1	A	S-BNA
AC49029-001	12/23/09 22:50	R12	1	A	NONE
AC49029-001	12/21/09 17:24	R12	2	A	NONE
AC49029-001	12/22/09 08:01	R21	3	A	NONE
AC49029-001	12/22/09 11:05	SG	3	A	VOA
AC49029-001	12/22/09 11:09	R21	3	A	NONE
AC49029-001	12/23/09 10:11	SG	3	A	VOA
AC49029-001	12/23/09 11:55	R21	3	A	NONE
AC49029-001	12/28/09 08:35	WP	3	A	VOA
AC49029-001	12/28/09 08:38	R21	3	A	NONE
AC49029-001	12/22/09 11:38	R21	4	A	NONE

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

GC/MS Volatile Data

GC/MS Volatile Data
QC Summary

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
1M52589.D	DAILY BLANK	Soil	12/28/09 11:04	1		108	113	98	94		
1M52678.D	DAILY BLANK	Soil	12/30/09 08:02	1		107	93	97	90		
1M52702.D	DAILY BLANK	Soil	12/30/09 14:49	1		109	100	95	91		
1M52599.D	AC49029-001	Soil	12/28/09 13:42	1		102	96	96	95		
1M52600.D	MBS14437	Soil	12/28/09 13:58	1		97	99	101	99		
1M52685.D	AC49109-003	Soil	12/30/09 10:03	1		115	100	115	112		
1M52687.D	MBS14460	Soil	12/30/09 10:36	1		99	102	99	93		
1M52704.D	MBS14459	Soil	12/30/09 15:21	1		103	97	100	98		
1M52717.D	AC49109-003(	Soil	12/30/09 18:54	1		98	91	111	103		
1M52718.D	AC49109-003(	Soil	12/30/09 19:10	1		103	93	103	101		

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: 8260

Soil Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	58-133
S2=1,2-Dichloroethane-d4	30	68-124
S3=Toluene-d8	30	72-117
S4=Bromofluorobenzene	30	74-118

Form3

MBS Data

Method: 8260

Data File:==>					1M52600.D			1M52687.D											
Data/Batch/Sample ID:==>					MBS14437-So			MBS14460-So											
Date/Time:==>					12/28/09 13:58			12/30/09 10:36											
Compound	Limit(s) Soil	Aq	Col	Mr	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec
1,1-Dichloroethane	14-127		1	0	42	50	84	43.71	50	87									
1,1-Dichloroethene	8-114		1	0	39.49	50	79	39.8	50	80									
1,2-Dichlorobenzen	19-113		1	0	47.32	50	95	46.82	50	94									
1,2-Dichloroethane	18-130		1	0	60.73	50	121	62.3	50	125									
1,4-Dichlorobenzen	20-110		1	0	54.79	50	110	45.39	50	91									
2-Butanone	4-141		1	0	39.16	50	78	41.79	50	84									
Benzene	21-122		1	0	44.32	50	89	43.23	50	86									
Carbon Tetrachlorid	19-122		1	0	48.87	50	98	46.09	50	92									
Chlorobenzene	21-117		1	0	55.17	50	110	56.05	50	112									
Chloroform	26-119		1	0	44.48	50	89	45.47	50	91									
n-Propylbenzene	16-122		1	0	46.61	50	93	44.91	50	90									
sec-Butylbenzene	9-125		1	0	51.87	50	104	49.79	50	100									
Tetrachloroethene	18-116		1	0	41.51	50	83	42.89	50	86									
Toluene	19-128		1	0	42.56	50	85	40.49	50	81									
Trichloroethene	21-116		1	0	43.97	50	88	43.38	50	87									
Vinyl Chloride	6-117		1	0	46.68	50	93	43.22	50	86									

Flags/Notes: **** - Values outside of limits for this column/run***

FORM 3

Spike Recovery

Batch Number: MBS14459
Mbs Name: MBS14459
Ns Name: AC49109-003
Ms Name: AC49109-003(MS)
Msd Name: AC49109-003(MSD

Mbs File: 1M52704.D
Non Spk'd File: 1M52685.D
Spike File: 1M52717.D
Spike Dup File: 1M52718.D
Matrix: Soil
Method: EPA 8260B

Mbs Date: 12/30/09 15:21
Non Spk'd Date: 12/30/09 10:03
Spike Date : 12/30/09 18:54
Spike Dup Date: 12/30/09 19:10

Compound	C#	Co	Mr	Conc Exp	Lo Llm	Hi Lim	Rpd Llm	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Vinyl Chloride	6	1	0	50	6	117	53	26.43	0.00	20.92	27.80	53	42	56	28
1,1-Dichloroethene	19	1	0	50	8	114	53	26.00	0.00	15.67	20.22	52	31	40	25
1,1-Dichloroethane	22	1	0	50	14	127	44	27.54	0.00	20.22	24.11	55	40	48	18
Chloroform	29	1	0	50	26	119	39	28.43	0.00	20.79	24.47	57	42	49	16
1,2-Dichloroethane	33	1	0	50	18	130	37	40.02	0.00	28.52	32.62	80	57	65	13
2-Butanone	34	1	0	50	4	141	59	24.82	0.00	13.74	15.25	50	27	31	10
Carbon Tetrachloride	36	1	0	50	19	122	40	32.73	0.00	19.43	24.48	65	39	49	23
Trichloroethene	42	1	0	50	21	116	39	30.86	0.00	18.22	21.44	62	36	43	16
Benzene	43	1	0	50	21	122	38	29.01	0.00	19.26	22.67	58	39	45	16
Tetrachloroethene	55	1	0	50	18	116	37	30.12	0.00	19.65	21.55	60	39	43	9.2
Toluene	57	1	0	50	19	128	35	28.65	0.00	19.64	21.77	57	39	44	10
Chlorobenzene	59	1	0	50	21	117	37	38.69	0.00	23.58	25.18	77	47	50	6.6
1,4-Dichlorobenzene	70	1	0	50	20	110	41	41.91	0.00	5.42	6.23	84	11 Mo	12 Mo	14
1,2-Dichlorobenzene	71	1	0	50	19	113	42	35.34	0.00	13.51	15.05	71	27	30	11
n-Propylbenzene	78	1	0	50	16	122	42	33.31	0.00	16.50	17.57	67	33	35	6.3
sec-Butylbenzene	83	1	0	50	9	125	48	36.66	0.00	15.49	16.71	73	31	33	7.6

Note:

Rp = Failed Rpd Criteria **Mo = Failed Recovery Criteria**

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M52589.D
Matrix: Soil

Blank Analysis Date: 12/28/09 11:04
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC49029-001	1M52599.D	12/28/09 13:42
MBS14437	1M52600.D	12/28/09 13:58

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M52678.D
Matrix: Soil

Blank Analysis Date: 12/30/09 08:02
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
MBS14460	1M52687.D	12/30/09 10:36
AC49109-003	1M52685.D	12/30/09 10:03

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M52702.D
Matrix: Soil

Blank Analysis Date: 12/30/09 14:49
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC49109-003(MSD	1M52718.D	12/30/09 19:10
AC49109-003(MS)	1M52717.D	12/30/09 18:54
MBS14459	1M52704.D	12/30/09 15:21

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M52576.D
Analysis Date: 12/28/09 07:31
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.444 to 4.464 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	25.0	4323	PASS
75	95	30	60	51.9	8977	PASS
95	95	100	100	100.0	17309	PASS
96	95	5	9	7.5	1303	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	61.4	10620	PASS
175	174	5	9	5.4	573	PASS
176	174	95	101	95.2	10113	PASS
177	176	5	9	6.3	635	PASS

Data File	Sample Number	Analysis Date:
1M52577.D	CAL @ 500 PPB	12/28/09 07:40
1M52578.D	CAL @ 250 PPB	12/28/09 07:57
1M52579.D	CAL @ 100 PPB	12/28/09 08:13
1M52580.D	CAL @ 50 PPB	12/28/09 08:29
1M52581.D	CAL @ 20 PPB	12/28/09 08:45
1M52582.D	CAL @ 10 PPB	12/28/09 09:02
1M52583.D	CAL @ 5 PPB	12/28/09 09:18
1M52584.D	BLK	12/28/09 09:34
1M52585.D	CAL @ 1 PPB	12/28/09 09:50
1M52586.D	CAL @ 0.5 PPB	12/28/09 10:06
1M52587.D	ICV	12/28/09 10:22
1M52588.D	BLK	12/28/09 10:48
1M52589.D	DAILY BLANK	12/28/09 11:04
1M52591.D	MBS14434	12/28/09 11:26
1M52592.D	MBS14435	12/28/09 11:48
1M52593.D	BLK	12/28/09 12:05
1M52594.D	AC49045-001	12/28/09 12:21
1M52595.D	AC49045-002	12/28/09 12:37
1M52596.D	AC49045-003	12/28/09 12:53
1M52597.D	BLK	12/28/09 13:09
1M52598.D	AC48983-006	12/28/09 13:25
1M52599.D	AC49029-001	12/28/09 13:42
1M52600.D	MBS14437	12/28/09 13:58
1M52601.D	BLK	12/28/09 14:14
1M52602.D	AC49060-004	12/28/09 14:30
1M52603.D	AC49073-003	12/28/09 14:46
1M52604.D	AC49073-004	12/28/09 15:02
1M52605.D	AC49073-005	12/28/09 15:18
1M52606.D	AC49073-006	12/28/09 15:35
1M52607.D	AC49095-001	12/28/09 15:51
1M52608.D	AC49095-002	12/28/09 16:07
1M52609.D	AC49095-003	12/28/09 16:23
1M52610.D	AC49095-004	12/28/09 16:39
1M52611.D	AC49082-001	12/28/09 16:55
1M52612.D	AC49099-002	12/28/09 17:12
1M52613.D	AC49099-005	12/28/09 17:28
1M52614.D	AC49084-001(5X)	12/28/09 17:44
1M52615.D	AC49099-001(5X)	12/28/09 18:00
1M52616.D	AC49099-004(5X)	12/28/09 18:16
1M52617.D	AC49082-001(MS)	12/28/09 18:32
1M52618.D	AC49082-001(MSD	12/28/09 18:48
1M52619.D	BLK	12/28/09 19:04
1M52620.D	BLK	12/28/09 19:20
1M52621.D	BLK	12/28/09 19:36
1M52622.D	BLK	12/28/09 19:53
1M52623.D	BLK	12/28/09 20:09

Form 5

Tune Name: BFB TUNE **Data File:** 1M52674.D
Instrument: GCMS 1 **Analysis Date:** 12/30/09 06:48
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.457 to 4.477 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.9	2117	PASS
75	95	30	60	50.0	5065	PASS
95	95	100	100	100.0	10131	PASS
96	95	5	9	7.9	803	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	80.7	8180	PASS
175	174	5	9	7.8	641	PASS
176	174	95	101	100.2	8193	PASS
177	176	5	9	5.3	431	PASS

Data File	Sample Number	Analysis Date:
1M52675.D	50 PPB	12/30/09 07:03
1M52676.D	CAL @ 50 PPB	12/30/09 07:25
1M52677.D	BLK	12/30/09 07:46
1M52678.D	DAILY BLANK	12/30/09 08:02
1M52679.D	AC49098-001	12/30/09 08:22
1M52680.D	MBS14456	12/30/09 08:41
1M52681.D	BLK	12/30/09 08:57
1M52682.D	AC49098-008	12/30/09 09:15
1M52683.D	AC49095-011	12/30/09 09:31
1M52684.D	AC49095-012	12/30/09 09:47
1M52685.D	AC49109-003	12/30/09 10:03
1M52686.D	AC49073-001	12/30/09 10:19
1M52687.D	MBS14460	12/30/09 10:36
1M52688.D	BLK	12/30/09 10:52
1M52689.D	AC49122-002	12/30/09 11:11
1M52690.D	BLK	12/30/09 11:27
1M52691.D	AC49122-003	12/30/09 11:44
1M52692.D	AC49122-004	12/30/09 12:00
1M52693.D	AC49122-005	12/30/09 12:16
1M52694.D	AC49122-006	12/30/09 12:43
1M52695.D	AC49122-007	12/30/09 12:59
1M52696.D	AC49122-008	12/30/09 13:15
1M52697.D	AC49122-009	12/30/09 13:31
1M52698.D	AC49122-010	12/30/09 13:48

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M52699.D
Analysis Date: 12/30/09 14:00
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.408 to 4.427 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	25.3	4635	PASS
75	95	30	60	51.9	9509	PASS
95	95	100	100	100.0	18332	PASS
96	95	5	9	8.0	1464	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.3	12343	PASS
175	174	5	9	7.9	971	PASS
176	174	95	101	96.3	11882	PASS
177	176	5	9	8.0	947	PASS

Data File	Sample Number	Analysis Date:
1M52700.D	CAL @ 50 PPB	12/30/09 14:10
1M52701.D	BLK	12/30/09 14:33
1M52702.D	DAILY BLANK	12/30/09 14:49
1M52703.D	AC49073-002	12/30/09 15:05
1M52704.D	MBS14459	12/30/09 15:21
1M52705.D	BLK	12/30/09 15:37
1M52706.D	AC49122-011	12/30/09 15:56
1M52707.D	AC49122-012	12/30/09 16:12
1M52708.D	AC49122-002	12/30/09 16:29
1M52709.D	AC49122-003	12/30/09 16:45
1M52710.D	AC49122-004	12/30/09 17:01
1M52711.D	AC49122-005	12/30/09 17:17
1M52712.D	AC49122-006	12/30/09 17:33
1M52713.D	AC49122-008	12/30/09 17:49
1M52714.D	AC49122-009	12/30/09 18:06
1M52715.D	AC49122-010	12/30/09 18:22
1M52716.D	AC49122-011	12/30/09 18:38
1M52717.D	AC49109-003(MS)	12/30/09 18:54
1M52718.D	AC49109-003(MSD	12/30/09 19:10
1M52719.D	BLK	12/30/09 19:26
1M52720.D	AC49111-001	12/30/09 19:42
1M52721.D	AC49111-002	12/30/09 19:58
1M52722.D	AC49114-001	12/30/09 20:15
1M52723.D	AC49114-002	12/30/09 20:31
1M52724.D	AC49114-003	12/30/09 20:47
1M52725.D	AC49114-004	12/30/09 21:03
1M52726.D	AC49114-005	12/30/09 21:19
1M52727.D	AC49114-006	12/30/09 21:35
1M52728.D	AC49114-007	12/30/09 21:51
1M52729.D	AC49114-008	12/30/09 22:07
1M52730.D	AC49114-009	12/30/09 22:23
1M52731.D	AC49117-001	12/30/09 22:39
1M52732.D	BLK	12/30/09 22:56
1M52733.D	BLK	12/30/09 23:12
1M52734.D	BLK	12/30/09 23:28
1M52735.D	BLK	12/30/09 23:44
1M52736.D	BLK	12/31/09 00:00
1M52737.D	BLK	12/31/09 00:16

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M52581.D Method: EPA 8260B

Analysis Date/Time: 12/28/09 08:45

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	125368	4.62	88589	6.45	44592	7.87						
Eval File Area Limit:	62684-250736		44294-177178		22296-89184							
Eval File Rt Limit:	4.12-5.12		5.95-6.95		7.37-8.37							

Data File	Sample						
1M52577.D	CAL @ 500 P	139048	4.62	99663	6.45	43416	7.87
1M52578.D	CAL @ 250 P	117568	4.62	87880	6.45	40963	7.87
1M52579.D	CAL @ 100 P	118753	4.61	88702	6.45	44147	7.87
1M52580.D	CAL @ 50 PP	120502	4.62	89506	6.45	44827	7.87
1M52581.D	CAL @ 20 PP	125368	4.62	88589	6.45	44592	7.87
1M52582.D	CAL @ 10 PP	119452	4.61	84420	6.45	43656	7.88
1M52583.D	CAL @ 5 PPB	119440	4.62	82328	6.45	48903	7.87
1M52584.D	BLK	110869	4.61	84036	6.46	44148	7.88
1M52585.D	CAL @ 1 PPB	103620	4.62	76142	6.45	43246	7.87
1M52586.D	CAL @ 0.5 P	100517	4.62	74834	6.45	40320	7.88
1M52587.D	ICV	111002	4.61	79144	6.45	45206	7.88
1M52588.D	BLK	102292	4.62	76294	6.45	38800	7.87
1M52589.D	DAILY BLANK	102430	4.62	75976	6.45	40981	7.87
1M52591.D	MBS14434	108173	4.62	74663	6.45	42199	7.87
1M52592.D	MBS14435	109323	4.61	79792	6.45	44183	7.88
1M52593.D	BLK	107746	4.62	78677	6.45	42011	7.87
1M52594.D	AC49045-001	107408	4.61	83085	6.45	46779	7.88
1M52595.D	AC49045-002	96468	4.62	75245	6.45	39981	7.88
1M52596.D	AC49045-003	107743	4.62	78633	6.45	41617	7.88
1M52597.D	BLK	97987	4.61	72051	6.45	38540	7.88
1M52598.D	AC48983-006	88488	4.62	60395	6.45	25870	7.88
1M52599.D	AC49029-001	104041	4.61	80789	6.45	44044	7.88
1M52600.D	MBS14437	106774	4.62	76727	6.45	42096	7.88
1M52601.D	BLK	100343	4.61	75261	6.45	42747	7.88
1M52602.D	AC49060-004	84312	4.62	57926	6.46	22589	7.88
1M52603.D	AC49073-003	96418	4.61	70653	6.45	35866	7.88
1M52604.D	AC49073-004	89273	4.62	66063	6.45	36111	7.87
1M52605.D	AC49073-005	89031	4.62	65135	6.45	33778	7.87
1M52606.D	AC49073-006	88803	4.61	62606	6.45	35299	7.88
1M52607.D	AC49095-001	84221	4.62	63108	6.45	30826	7.88
1M52608.D	AC49095-002	89928	4.62	64370	6.45	31413	7.88
1M52609.D	AC49095-003	88073	4.62	58957	6.45	29374	7.88
1M52610.D	AC49095-004	87648	4.62	61284	6.45	28404	7.88
1M52611.D	AC49082-001	81941	4.61	61024	6.45	31701	7.88
1M52612.D	AC49099-002	94503	4.62	68847	6.46	32272	7.88
1M52613.D	AC49099-005	103799	4.61	69416	6.45	31135	7.87
1M52614.D	AC49084-001	87592	4.61	65623	6.45	35041	7.88
1M52615.D	AC49099-001	66890	4.61	61382	6.45	40613	7.88
1M52616.D	AC49099-004	72517	4.62	58251	6.45	36008	7.87
1M52617.D	AC49082-001	94241	4.62	66641	6.45	35584	7.87
1M52618.D	AC49082-001	95104	4.62	67580	6.45	34922	7.87
1M52619.D	BLK	82412	4.61	61963	6.45	33223	7.87
1M52620.D	BLK	91637	4.62	67371	6.45	37057	7.88
1M52621.D	BLK	93758	4.61	69085	6.45	37361	7.87
1M52622.D	BLK	92487	4.61	68369	6.45	36691	7.88
1M52623.D	BLK	88652	4.61	64732	6.45	33931	7.87

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M52676.D Method: EPA 8260B

Analysis Date/Time: 12/30/09 07:25

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	125103	4.59	89774	6.42	53881	7.84						
Eval File Area Limit:	62552-250206		44887-179548		26940-107762							
Eval File Rt Limit:	4.09-5.09		5.92-6.92		7.34-8.34							

Data File	Sample											
1M52675.D	50 PPB	131904	4.58	93586	6.42	54438	7.84					
1M52677.D	BLK	125339	4.58	92307	6.42	52495	7.84					
1M52678.D	DAILY BLANK	117966	4.59	87170	6.42	45319	7.84					
1M52679.D	AC49098-001	118926	4.59	80135	6.42	42471	7.84					
1M52680.D	MBS14456	127711	4.60	88148	6.43	51274	7.85					
1M52681.D	BLK	101935	4.58	76204	6.42	42031	7.84					
1M52682.D	AC49098-008	93855	4.59	65005	6.42	28921	7.84					
1M52683.D	AC49095-011	84245	4.59	60187	6.42	24974	7.84					
1M52684.D	AC49095-012	87743	4.59	63292	6.42	29802	7.84					
1M52685.D	AC49109-003	80014	4.60	46746	6.42	16761	7.85					
1M52686.D	AC49073-001	100002	4.59	75962	6.42	42718	7.84					
1M52687.D	MBS14460	110216	4.60	81424	6.42	46634	7.84					
1M52688.D	BLK	94981	4.59	72976	6.42	39630	7.84					
1M52689.D	AC49122-002	87258	4.59	49166	6.42	14894	7.84					
1M52690.D	BLK	95842	4.60	72210	6.42	36955	7.84					
1M52691.D	AC49122-003	74985	4.59	41060	6.42	13360	7.85					
1M52692.D	AC49122-004	87715	4.60	53208	6.42	18186	7.85					
1M52693.D	AC49122-005	66502	4.60	22885	6.42	4834	7.85					
1M52694.D	AC49122-006	85883	4.59	42305	6.42	11136	7.85					
1M52695.D	AC49122-007	102357	4.59	74285	6.42	38510	7.85					
1M52696.D	AC49122-008	70308	4.60	34122	6.42	10914	7.85					
1M52697.D	AC49122-009	75745	4.60	36257	6.42	10319	7.85					
1M52698.D	AC49122-010	88218	4.60	52626	6.42	22286	7.85					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M52700.D Method: EPA 8260B

Analysis Date/Time: 12/30/09 14:10

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	102194	4.59	74127	6.42	44409	7.85						
Eval File Area Limit:	51097-204388		37064-148254		22204-88818							
Eval File Rt Limit:	4.09-5.09		5.92-6.92		7.35-8.35							

Data File	Sample											
1M52701.D	BLK	124688	4.59	90422	6.42	49241	7.85					
1M52702.D	DAILY BLANK	96440	4.59	74347	6.43	39601	7.85					
1M52703.D	AC49073-002	97873	4.60	66385	6.42	31081	7.85					
1M52704.D	MBS14459	114832	4.60	84282	6.43	45759	7.85					
1M52705.D	BLK	93261	4.59	67099	6.43	36245	7.85					
1M52706.D	AC49122-011	80046	4.59	47370	6.43	15935	7.85					
1M52707.D	AC49122-012	76923	4.60	56627	6.42	23477	7.85					
1M52708.D	AC49122-002	95445	4.59	59672	6.43	22151	7.85					
1M52709.D	AC49122-003	82435	4.60	51546	6.43	22399	7.85					
1M52710.D	AC49122-004	87466	4.60	52295	6.43	19174	7.85					
1M52711.D	AC49122-005	57984	4.59	16146	6.43	2488	7.85					
1M52712.D	AC49122-006	94958	4.60	69459	6.43	33633	7.85					
1M52713.D	AC49122-008	73820	4.60	42769	6.43	14790	7.85					
1M52714.D	AC49122-009	94241	4.60	69072	6.43	35211	7.85					
1M52715.D	AC49122-010	76493	4.59	43789	6.43	15660	7.85					
1M52716.D	AC49122-011	77153	4.60	57648	6.43	30432	7.85					
1M52717.D	AC49109-003(	89674	4.59	56145	6.43	29209	7.85					
1M52718.D	AC49109-003(	107718	4.60	73442	6.43	39523	7.85					
1M52719.D	BLK	96502	4.60	73541	6.43	39891	7.85					
1M52720.D	AC49111-001	72126	4.59	38936	6.43	13771	7.85					
1M52721.D	AC49111-002	85005	4.60	64951	6.43	34918	7.85					
1M52722.D	AC49114-001	98867	4.59	80547	6.43	46400	7.85					
1M52723.D	AC49114-002	96836	4.60	72496	6.43	42368	7.85					
1M52724.D	AC49114-003	96507	4.60	73287	6.43	43442	7.85					
1M52725.D	AC49114-004	99157	4.59	76420	6.43	41639	7.85					
1M52726.D	AC49114-005	93063	4.60	70950	6.43	40002	7.85					
1M52727.D	AC49114-006	87689	4.60	67324	6.43	40233	7.85					
1M52728.D	AC49114-007	95195	4.60	70970	6.43	41396	7.85					
1M52729.D	AC49114-008	86479	4.60	62989	6.43	32000	7.85					
1M52730.D	AC49114-009	94330	4.60	69052	6.43	36556	7.85					
1M52731.D	AC49117-001	82981	4.59	44591	6.43	12659	7.85					
1M52732.D	BLK	86106	4.60	68262	6.43	35632	7.85					
1M52733.D	BLK	93325	4.60	73861	6.43	41014	7.85					
1M52734.D	BLK	95462	4.60	71119	6.43	38194	7.86					
1M52735.D	BLK	93042	4.60	70216	6.43	38343	7.85					
1M52736.D	BLK	97250	4.60	70587	6.43	37285	7.85					
1M52737.D	BLK	91742	4.60	69439	6.43	37980	7.85					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

GC/MS Volatile Data
Sample Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC49029-001
Client Id: PI-01-TP-RAN2 121809SS0
Data File: 1M52599.D
Analysis Date: 12/28/09 13:42
Date Rec/Extracted: 12/21/09-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 4.99g
Final Vol: NA
Dilution: 1.00
Solids: 56

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0089	U	56-23-5	Carbon Tetrachloride	0.0089	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0089	U	108-90-7	Chlorobenzene	0.0089	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0089	U	75-00-3	Chloroethane	0.0089	U
79-00-5	1,1,2-Trichloroethane	0.0089	U	67-66-3	Chloroform	0.0089	U
75-34-3	1,1-Dichloroethane	0.0089	U	74-87-3	Chloromethane	0.0089	U
75-35-4	1,1-Dichloroethene	0.0089	U	156-59-2	cis-1,2-Dichloroethene	0.0089	U
96-18-4	1,2,3-Trichloropropane	0.0089	U	10061-01-5	cis-1,3-Dichloropropene	0.0089	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.0018**	**0.0039**	124-48-1	Dibromochloromethane	0.0089	U
95-50-1	1,2-Dichlorobenzene	0.0089	U	75-71-8	Dichlorodifluoromethane	0.0089	U
107-06-2	1,2-Dichloroethane	0.0089	U	100-41-4	Ethylbenzene	0.0018	U
78-87-5	1,2-Dichloropropane	0.0089	U	**98-82-8**	**Isopropylbenzene**	**0.0018**	**0.0062**
108-67-8	1,3,5-Trimethylbenzene	0.0018	U	**136777612**	**m&p-Xylenes**	**0.0018**	**0.0038**
541-73-1	1,3-Dichlorobenzene	0.0089	U	75-09-2	Methylene Chloride	0.0089	U
142-28-9	1,3-Dichloropropane	0.0089	U	1634-04-4	Methyl-t-butyl ether	0.0018	U
106-46-7	1,4-Dichlorobenzene	0.0089	U	**104-51-8**	**n-Butylbenzene**	**0.0018**	**0.0059**
123-91-1	1,4-Dioxane	0.45	U	**103-65-1**	**n-Propylbenzene**	**0.0018**	**0.0071**
78-93-3	2-Butanone	0.0089	U	**95-47-6**	**o-Xylene**	**0.0018**	**0.0070**
110-75-8	2-Chloroethylvinylether	0.0089	U	**135-98-8**	**sec-Butylbenzene**	**0.0018**	**0.0020**
591-78-6	2-Hexanone	0.0089	U	100-42-5	Styrene	0.0089	U
99-87-6	**4-Isopropyltoluene**	**0.0018**	**0.0021**	75-65-0	t-Butyl Alcohol	0.045	U
108-10-1	4-Methyl-2-Pentanone	0.0089	U	98-06-6	t-Butylbenzene	0.0018	U
67-64-1	**Acetone**	**0.045**	**0.22**	127-18-4	Tetrachloroethene	0.0089	U
107-02-8	Acrolein	0.045	U	108-88-3	Toluene	0.0018	U
107-13-1	Acrylonitrile	0.0089	U	156-60-5	trans-1,2-Dichloroethene	0.0089	U
71-43-2	Benzene	0.0018	U	10061-02-6	trans-1,3-Dichloropropene	0.0089	U
75-27-4	Bromodichloromethane	0.0089	U	79-01-6	Trichloroethene	0.0089	U
75-25-2	Bromoform	0.0089	U	75-69-4	Trichlorofluoromethane	0.0089	U
74-83-9	Bromomethane	0.0089	U	75-01-4	Vinyl Chloride	0.0089	U
75-15-0	Carbon Disulfide	0.0089	U	**1330-20-7**	**Xylenes (Total)**	**0.0018**	**0.0108**

Worksheet #: 140343

Total Target Concentration 0.26

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC49029-001
Client Id: PI-01-TP-RAN2 121809
Data File: 1M52599.D
Analysis Date: 12/28/09 13:42
Date Rec/Extracted: 12/21/09-NA

Matrix: Soil
Initial Vol: 4.99g
Final Vol: NA
Dilution: 1.00
Solids: 56
Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	6.96	0.027 J
2	611-15-4	Benzene, 1-ethenyl-2-methyl-	8.05	0.068 J
3	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.41	0.048 J
4	488-23-3	Benzene, 1,2,3,4-tetramethyl-	8.57	0.026 J
5	824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	8.80	0.039 J
6	824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	8.90	0.089 J
7	17059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethyl-	9.11	0.033 J
8	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.21	0.039 J
9	1685-82-1	1H-Indene, 2,3-dihydro-4,6-dimethyl-	9.69	0.024 J
10	1685-82-1	1H-Indene, 2,3-dihydro-4,6-dimethyl-	9.84	0.025 J

Worksheet #: 140343

Total Tentatively Identified Concentration 0.42

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

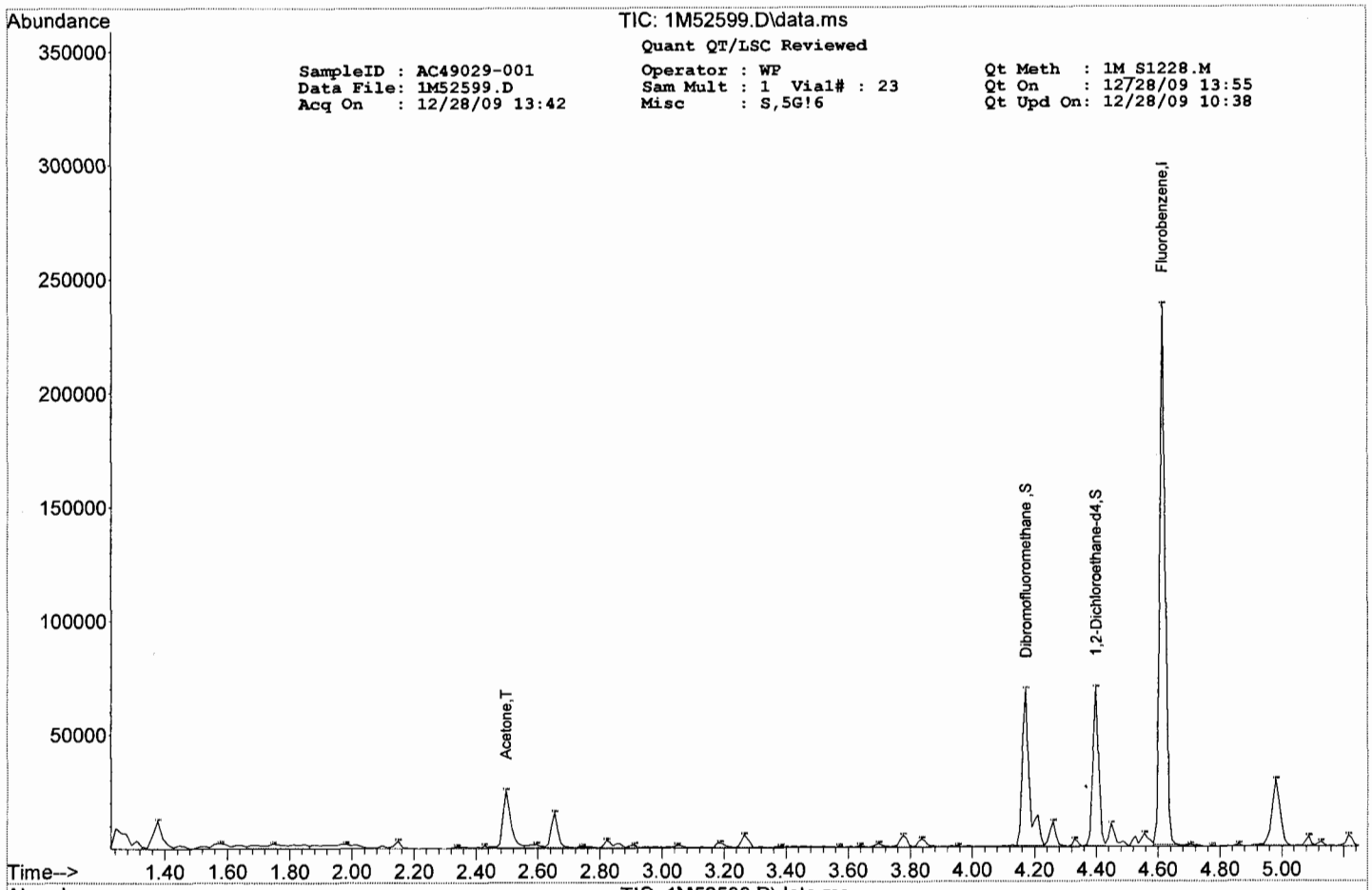
Quantitation Report (QT/LSC Reviewed)

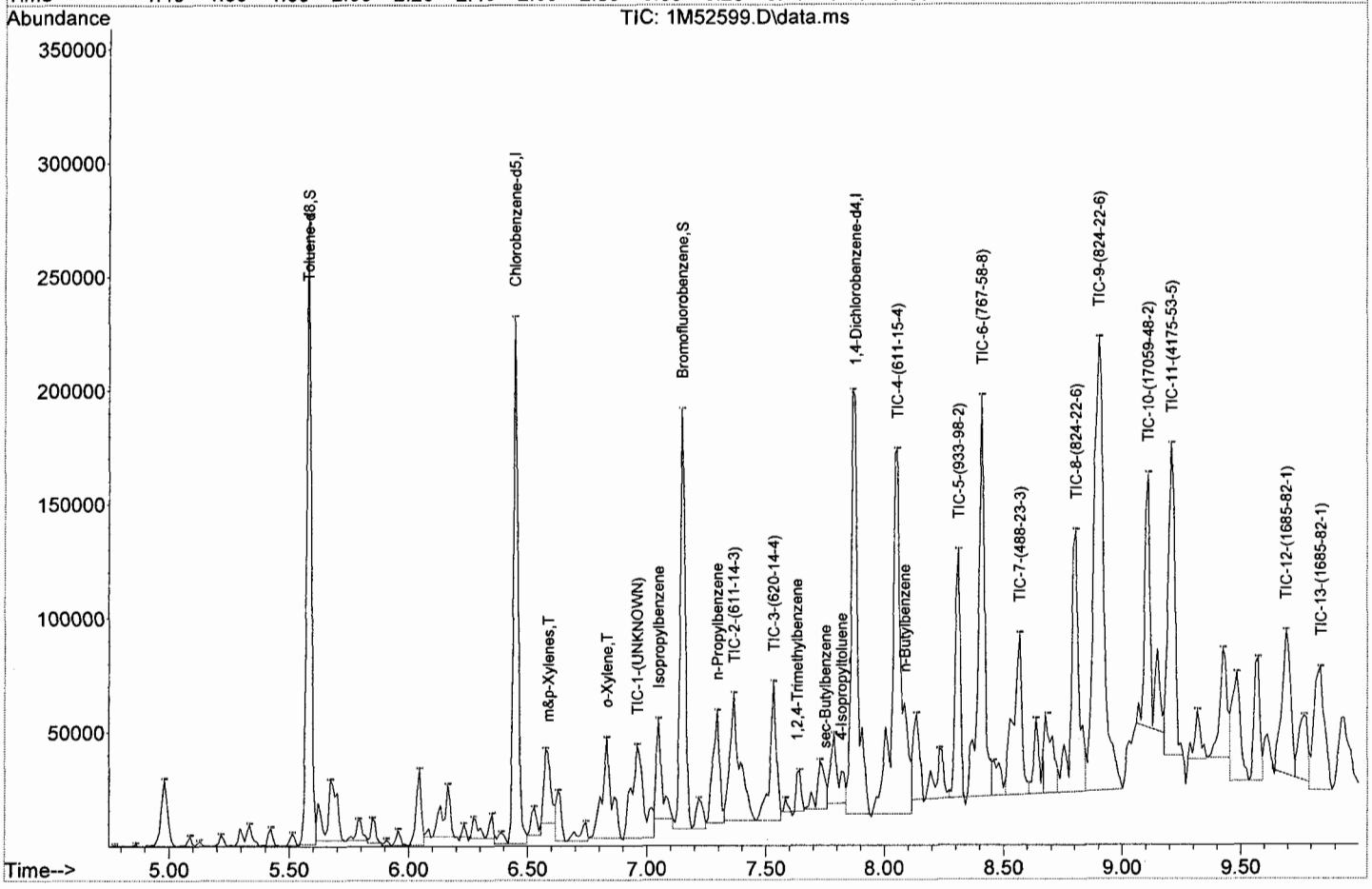
SampleID : AC49029-001 Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52599.D Sam Mult : 1 Vial# : 23 Qt On : 12/28/09 13:55
Acq On : 12/28/09 13:42 Misc : S,5G!6 Qt Upd On: 12/28/09 10:38

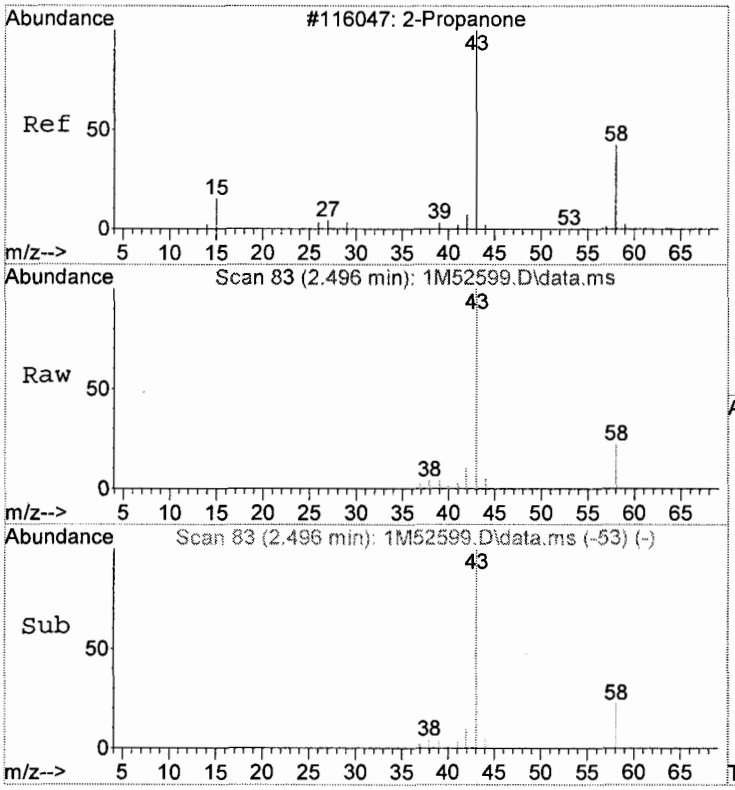
Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.615	96	104041	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.448	117	80789	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.877	152	44044	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.171	111	28767	30.60	ug/l	0.00
Spiked Amount 30.000			Recovery =	102.00%		
32) 1,2-Dichloroethane-d4	4.398	102	5268	28.79	ug/l	0.00
Spiked Amount 30.000			Recovery =	95.97%		
56) Toluene-d8	5.581	100	69732	28.95	ug/l	0.00
Spiked Amount 30.000			Recovery =	96.50%		
64) Bromofluorobenzene	7.148	174	37257	28.53	ug/l	0.00
Spiked Amount 30.000			Recovery =	95.10%		
Target Compounds						Qvalue
14) Acetone	2.496	43	30176	124.66	ug/l	95
66) m&p-Xylenes	6.586	106	4913	2.11	ug/l	92
67) o-Xylene	6.832	106	6963	3.90	ug/l	69
72) Isopropylbenzene	7.049	105	20191	3.45	ug/l	91
78) n-Propylbenzene	7.296	91	28405	3.99	ug/l	94
82) 1,2,4-Trimethylbenzene	7.631	105	10605	2.18	ug/l	77
83) sec-Butylbenzene	7.749	105	6467	1.14	ug/l	81
84) 4-Isopropyltoluene	7.818	119	5018	1.15	ug/l	76
85) n-Butylbenzene	8.084	91	18640m	3.27	ug/l	
Library Search Compounds						
1) UNKNOWN	6.960		149126	15.09	ug/l	--
2) 611-14-3	7.360		159458	13.27	ug/l	90
3) 620-14-4	7.530		115476	9.61	ug/l	91
4) 611-15-4	8.050		454405	37.81	ug/l	70
5) 933-98-2	8.310		157122	13.07	ug/l	90
6) 767-58-8	8.410		322649	26.85	ug/l	74
7) 488-23-3	8.570		177454	14.76	ug/l	87
8) 824-22-6	8.800		265030	22.05	ug/l	81
9) 824-22-6	8.900		595384	49.54	ug/l	81
10) 17059-48-2	9.110		219823	18.29	ug/l	49
11) 4175-53-5	9.210		263043	21.89	ug/l	91
12) 1685-82-1	9.690		164214	13.66	ug/l	93
13) 1685-82-1	9.840		166530	13.86	ug/l	80

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M52599.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC49029-001
Data File: 1M52599.D
Acq On : 12/28/09 13:42
Operator : WP
Sam Mult : 1 Vial# : 23
Misc : S,5G!6
Qt Meth : 1M_S1228.M
Qt On : 12728/09 13:55
Qt Upd On: 12/28/09 10:38
Acetone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->

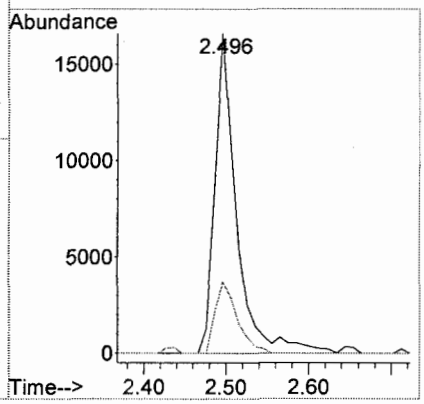

Abundance
TIC: 1M52599.D\data.ms
Toluene-d8,S
Chlorobenzene-d5,I
m&p-Xylenes,T
o-Xylene,T
TIC-1-(UNKNOWN)
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
TIC-2-(611-14-3)
TIC-3-(620-14-4)
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
TIC-4-(611-15-4)
n-Butylbenzene
TIC-5-(933-98-2)
TIC-6-(767-58-8)
TIC-7-(488-23-3)
TIC-8-(824-22-6)
TIC-9-(824-22-6)
TIC-10-(17059-48-2)
TIC-11-(4175-53-5)
TIC-12-(1685-82-1)
TIC-13-(1685-82-1)
Time-->

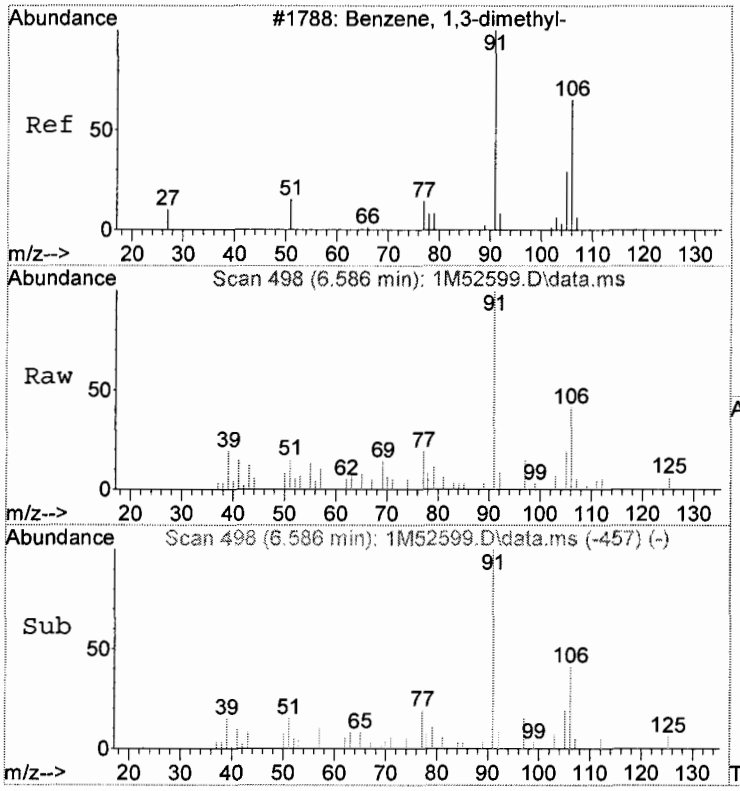


#14
Acetone
Concen: 124.66 ug/l
RT: 2.496 min Scan# 83
Delta R.T. -0.001 min
Lab File: 1M52599.D
Acq: 28 Dec 2009 13:42

Tgt Ion: 43 Resp: 30176

Ion	Ratio	Lower	Upper
43	100		
58	22.4	0.0	64.8

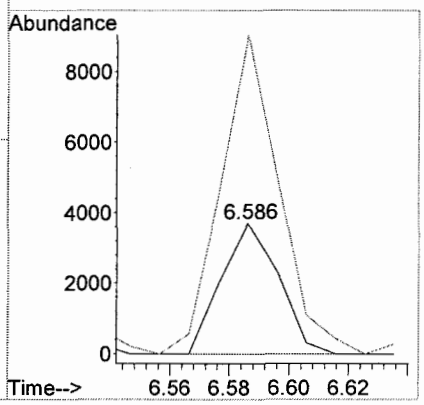


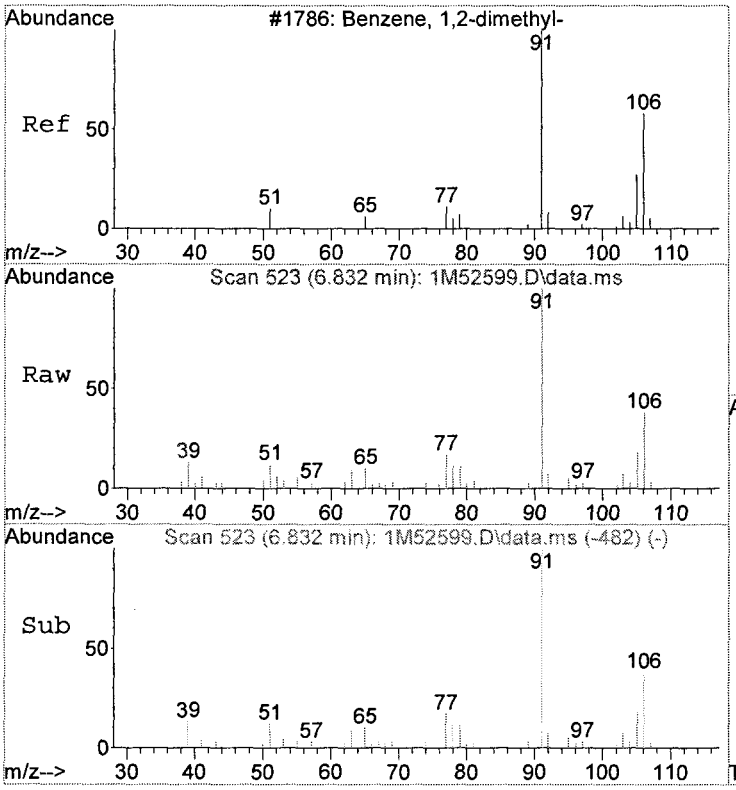


#66
m&p-Xylenes
Concen: 2.11 ug/l
RT: 6.586 min Scan# 498
Delta R.T. 0.000 min
Lab File: 1M52599.D
Acq: 28 Dec 2009 13:42

Tgt Ion:106 Resp: 4913

Ion	Ratio	Lower	Upper
106	100		
91	232.3	132.0	308.0

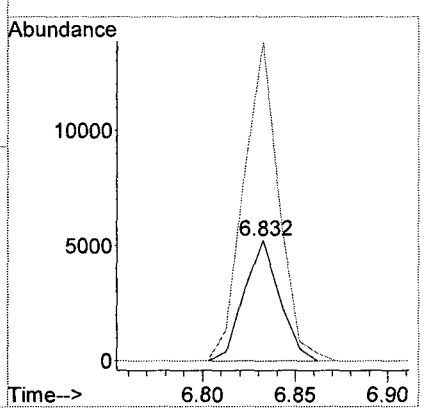


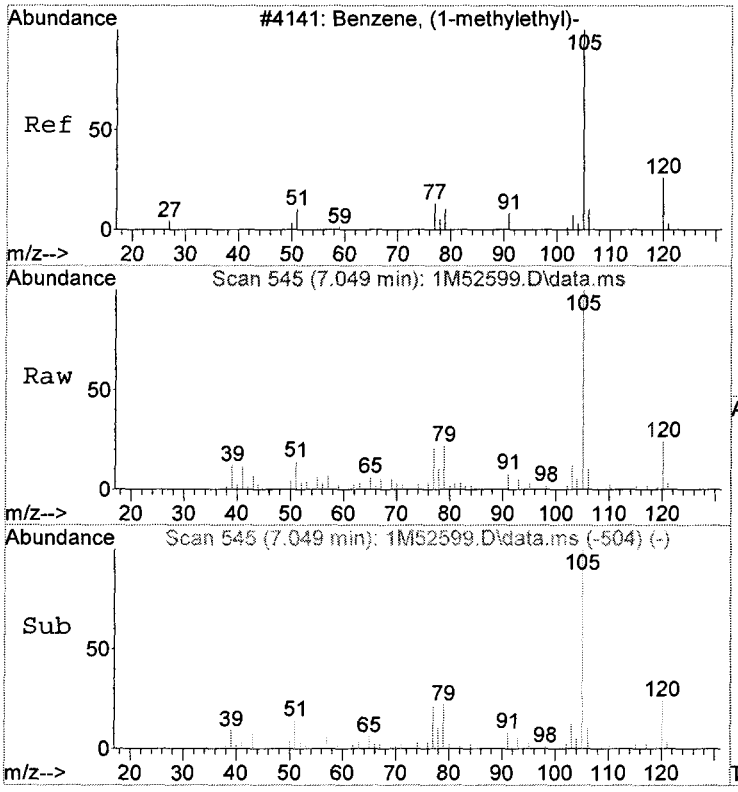


#67
o-Xylene
Concen: 3.90 ug/l
RT: 6.832 min Scan# 523
Delta R.T. -0.001 min
Lab File: 1M52599.D
Acq: 28 Dec 2009 13:42

Tgt Ion:106 Resp: 6963

Ion	Ratio	Lower	Upper
106	100		
91	264.2	129.1	301.1

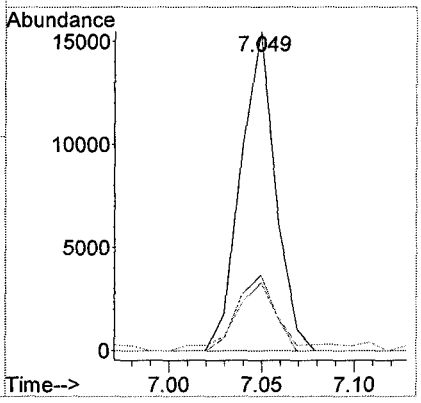


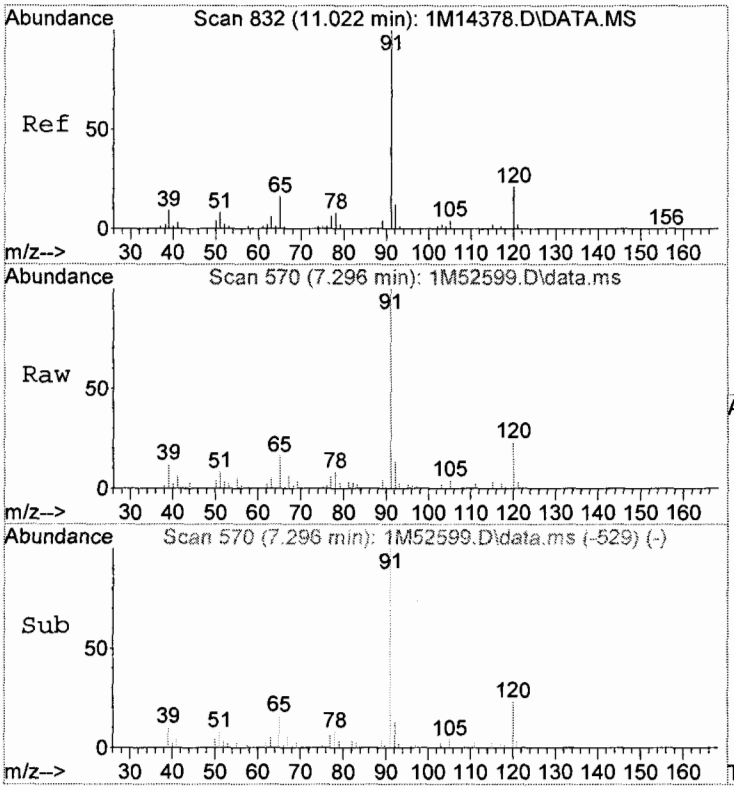


#72
Isopropylbenzene
Concen: 3.45 ug/l
RT: 7.049 min Scan# 545
Delta R.T. -0.001 min
Lab File: 1M52599.D
Acq: 28 Dec 2009 13:42

Tgt Ion:105 Resp: 20191

Ion	Ratio	Lower	Upper
105	100		
120	24.8	0.0	66.9
77	26.1	0.0	58.3

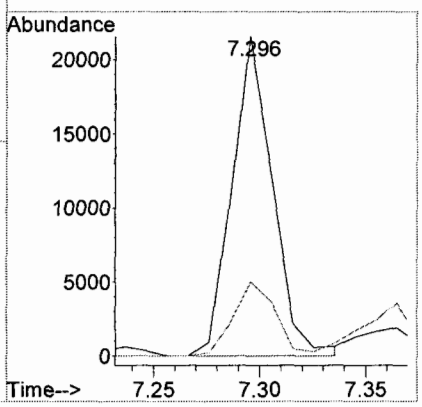


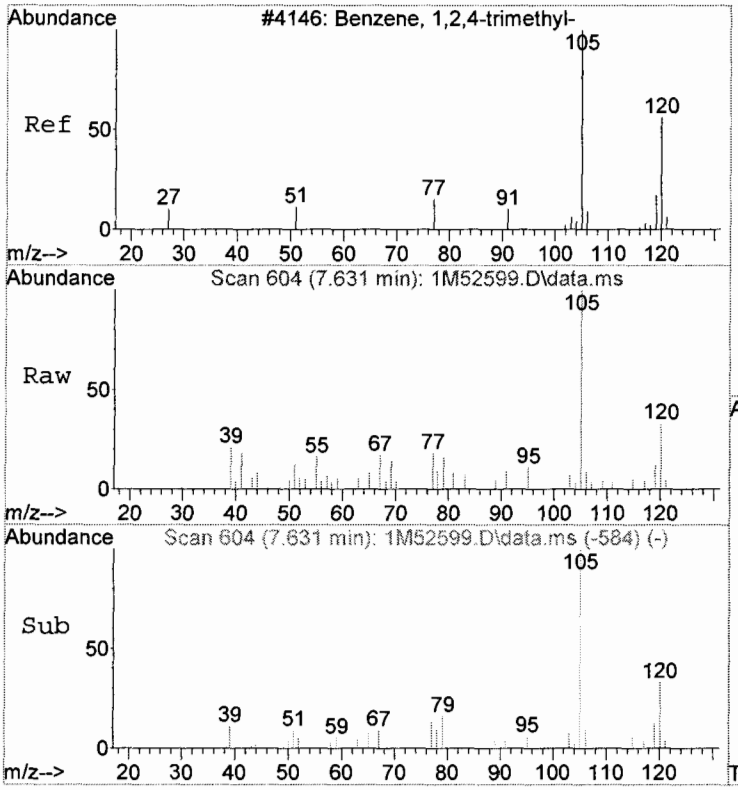


#78
n-Propylbenzene
Concen: 3.99 ug/l
RT: 7.296 min Scan# 570
Delta R.T. -0.001 min
Lab File: 1M52599.D
Acq: 28 Dec 2009 13:42

Tgt Ion: 91 Resp: 28405

Ion	Ratio	Lower	Upper
91	100		
120	24.2	0.0	61.6

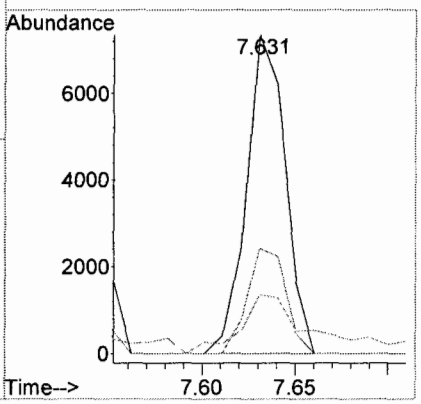


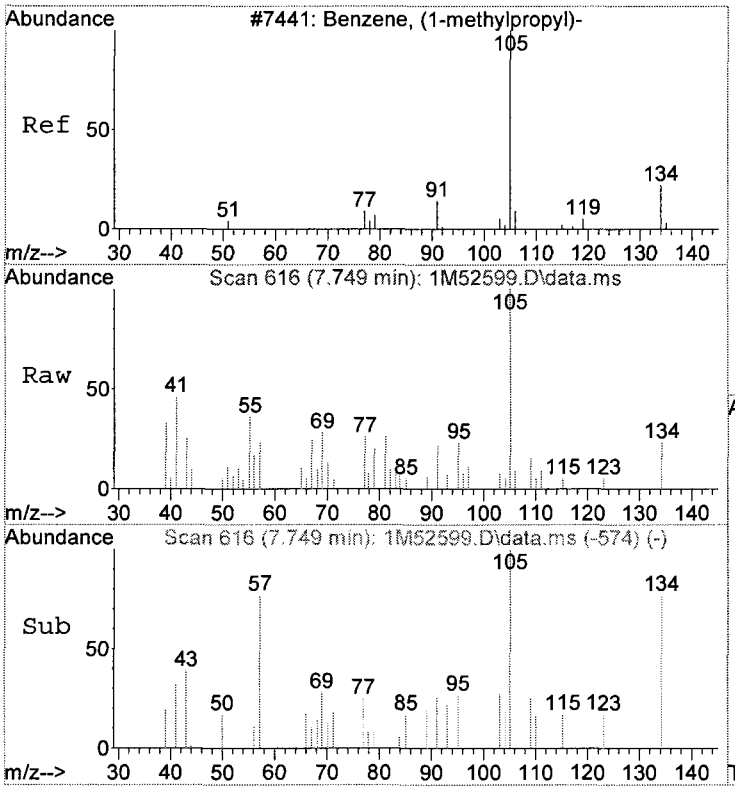


#82
1,2,4-Trimethylbenzene
Concen: 2.18 ug/l
RT: 7.631 min Scan# 604
Delta R.T. -0.001 min
Lab File: 1M52599.D
Acq: 28 Dec 2009 13:42

Tgt Ion:105 Resp: 10605

Ion	Ratio	Lower	Upper
105	100		
120	32.7	12.2	92.2
77	33.2	0.0	66.0

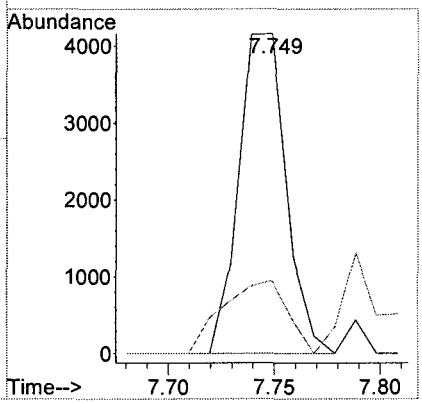


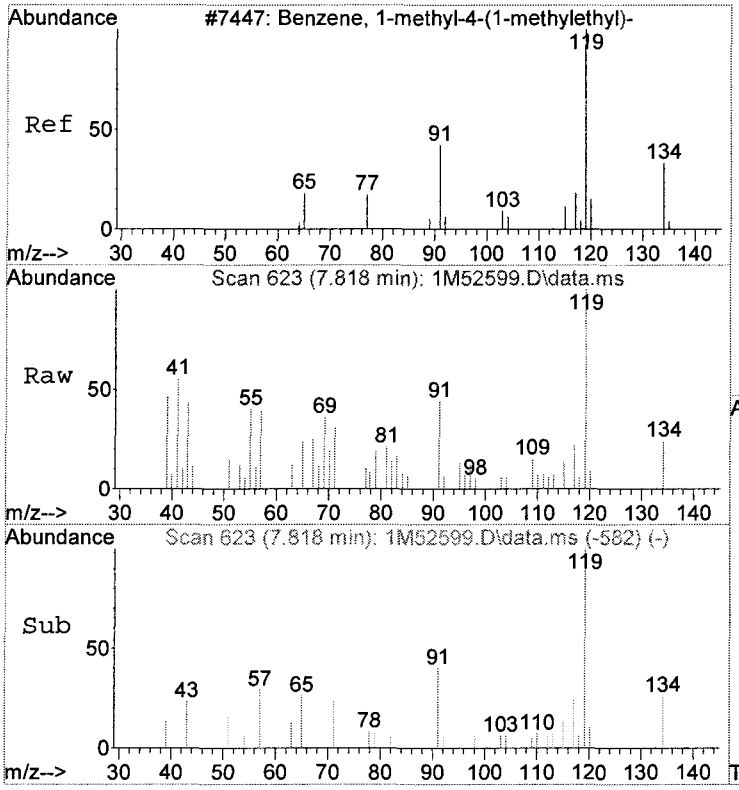


#83
sec-Butylbenzene
Concen: 1.14 ug/l
RT: 7.749 min Scan# 616
Delta R.T. 0.009 min
Lab File: 1M52599.D
Acq: 28 Dec 2009 13:42

Tgt Ion:105 Resp: 6467

Ion	Ratio	Lower	Upper
105	100		
134	31.0	0.0	61.8

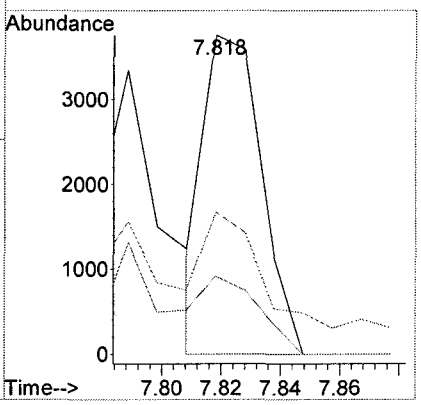


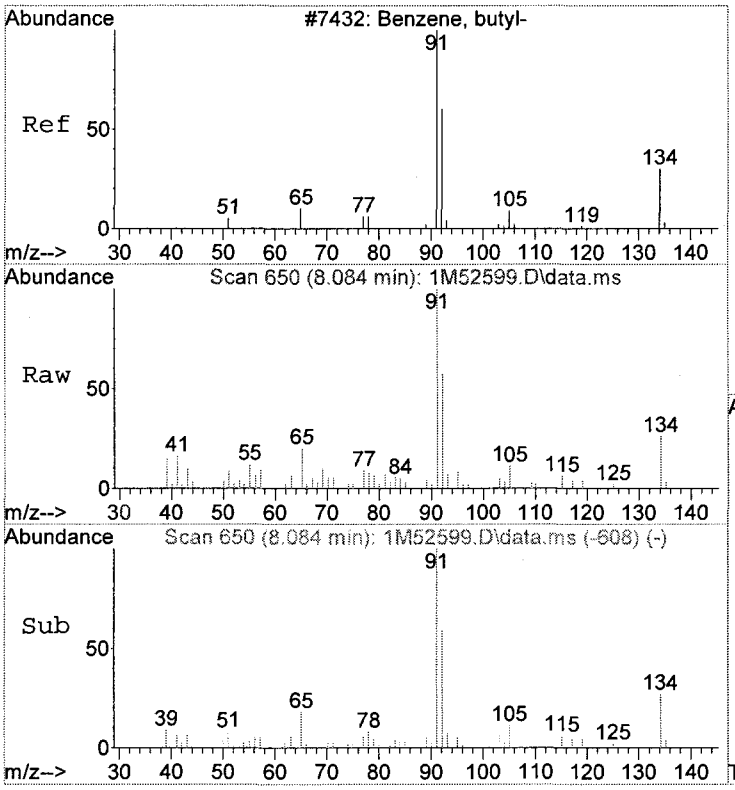


#84
4-Isopropyltoluene
Concen: 1.15 ug/l
RT: 7.818 min Scan# 623
Delta R.T. -0.001 min
Lab File: 1M52599.D
Acq: 28 Dec 2009 13:42

Tgt Ion:119 Resp: 5018

Ion	Ratio	Lower	Upper
119	100		
134	23.7	0.0	66.7
91	48.0	0.0	66.3

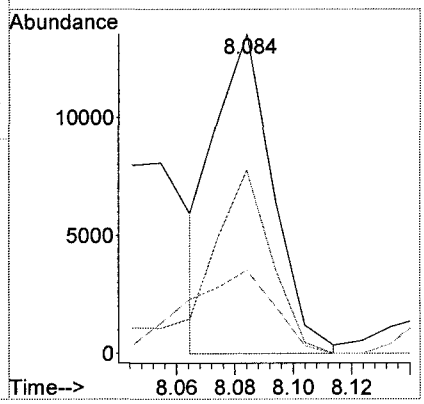




#85
n-Butylbenzene
Concen: 3.27 ug/l m
RT: 8.084 min Scan# 650
Delta R.T. 0.009 min
Lab File: 1M52599.D
Acq: 28 Dec 2009 13:42

Tgt Ion: 91 Resp: 18640

Ion	Ratio	Lower	Upper
91	100		
92	69.0	8.4	88.4
134	38.7	3.6	83.6



Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Data File : 1M52599.D
Acq On : 28 Dec 2009 13:42
Operator : WP
Sample : AC49029-001
Misc : S,5G!6
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M52599.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.377	7	10	17	rVB	11953	26877	4.51%	0.387%
2	1.578	17	22	27	rBV3	2251	13108	2.20%	0.189%
3	1.746	27	32	39	rVV4	1935	17170	2.88%	0.247%
4	1.980	39	46	51	rVV4	1746	14477	2.43%	0.209%
5	2.148	51	56	65	rVB2	3241	7047	1.18%	0.102%
6	2.338	65	67	75	rBV	690	3543	0.60%	0.051%
7	2.427	75	76	79	rVV	1005	1226	0.21%	0.018%
8	2.496	79	83	89	rVV	24956	43530	7.31%	0.627%
9	2.595	89	93	95	rVV2	1362	3527	0.59%	0.051%
10	2.654	95	99	103	rVV	15297	22344	3.75%	0.322%
11	2.742	105	108	113	rVV2	577	1402	0.24%	0.020%
12	2.821	113	116	123	rVV2	3089	7330	1.23%	0.106%
13	2.910	123	125	127	rVB	1023	1196	0.20%	0.017%
14	3.048	135	139	145	rVB	994	2172	0.36%	0.031%
15	3.186	149	153	157	rVV2	1952	3940	0.66%	0.057%
16	3.265	157	161	165	rVV	5465	8444	1.42%	0.122%
17	3.383	165	173	179	rVV	264	775	0.13%	0.011%
18	3.570	191	192	197	rBV	286	551	0.09%	0.008%
19	3.639	197	199	201	rVV	638	732	0.12%	0.011%
20	3.698	201	205	209	rVV2	1514	2549	0.43%	0.037%
21	3.777	209	213	217	rVV	4894	8254	1.39%	0.119%
22	3.836	217	219	225	rVB	3509	6063	1.02%	0.087%
23	3.955	225	231	237	rBV	356	1393	0.23%	0.020%
24	4.171	249	253	259	rVB2	68556	110892	18.63%	1.598%
25	4.260	259	262	267	rVB	10752	14533	2.44%	0.209%
26	4.329	267	269	271	rBV	2944	3156	0.53%	0.045%
27	4.398	271	276	279	rBV	69261	88133	14.80%	1.270%
28	4.447	279	281	287	rVB2	9859	14740	2.48%	0.212%
29	4.556	287	292	295	rBV3	5530	14233	2.39%	0.205%
30	4.615	295	298	303	rVB	237309	288359	48.43%	4.156%
31	4.704	303	307	311	rVB	842	2102	0.35%	0.030%
32	4.773	311	314	321	rVB	306	562	0.09%	0.008%
33	4.861	321	323	327	rBV	795	684	0.11%	0.010%
34	4.980	329	335	341	rVB3	28960	53437	8.98%	0.770%
35	5.088	341	346	347	rBV	4134	4560	0.77%	0.066%

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Data File : 1M52599.D
Acq On : 28 Dec 2009 13:42
Operator : WP
Sample : AC49029-001
Misc : S,5G!6
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Title : @GCMS_1,ug,624,8260

36	5.127	347	350	355	rVB2	1785	2337	0.39%	0.034%
37	5.216	355	359	365	rBV2	4620	6582	1.11%	0.095%
38	5.334	365	371	375	rVB3	8995	23277	3.91%	0.335%
39	5.423	375	380	385	rBV	7603	10072	1.69%	0.145%
40	5.512	385	389	391	rBV2	5145	7094	1.19%	0.102%
41	5.581	391	396	399	rBV	275118	351367	59.02%	5.064%
42	5.670	399	405	411	rVB4	26154	83496	14.02%	1.203%
43	5.788	411	417	421	rBV3	8943	16720	2.81%	0.241%
44	5.847	421	423	427	rVB	10604	15376	2.58%	0.222%
45	5.906	427	429	431	rVB2	2356	2728	0.46%	0.039%
46	5.955	431	434	439	rBV	6711	8948	1.50%	0.129%
47	6.044	439	443	445	rBV	33048	49535	8.32%	0.714%
48	6.162	445	455	459	rVB4	22422	52325	8.79%	0.754%
49	6.231	459	462	465	rBV2	5136	3496	0.59%	0.050%
50	6.271	465	466	471	rVB2	8895	16383	2.75%	0.236%
51	6.350	471	474	475	rBV2	10313	12272	2.06%	0.177%
52	6.389	475	478	481	rVB3	4704	9577	1.61%	0.138%
53	6.448	481	484	489	rBV	230698	306559	51.49%	4.418%
54	6.527	489	492	495	rBV3	12131	22923	3.85%	0.330%
55	6.576	495	497	501	rBV3	32147	65698	11.03%	0.947%
56	6.626	501	502	505	rVB2	21775	28710	4.82%	0.414%
57	6.744	505	514	515	rBV6	8043	18104	3.04%	0.261%
58	6.833	515	523	529	rVB3	43714	122236	20.53%	1.762%
59	6.961	529	536	543	rBV5	40754	149126	25.05%	2.149%
60	7.049	543	545	551	rVB2	43557	72557	12.19%	1.046%
61	7.148	551	555	559	rVB	183747	264705	44.46%	3.815%
62	7.217	559	562	565	rBV4	13036	26889	4.52%	0.388%
63	7.296	565	570	573	rBV2	48961	98801	16.59%	1.424%
64	7.365	573	577	587	rVB3	55579	159458	26.78%	2.298%
65	7.532	587	594	597	rBV	60659	115476	19.40%	1.664%
66	7.582	597	599	603	rVB4	5614	4754	0.80%	0.069%
67	7.641	603	605	607	rBV2	17672	25489	4.28%	0.367%
68	7.729	607	614	617	rBV3	21113	53298	8.95%	0.768%
69	7.789	617	620	625	rVV4	30301	71447	12.00%	1.030%
70	7.867	625	628	635	rVB2	185619	360562	60.56%	5.197%
71	8.055	635	647	653	rBV3	159711	454405	76.32%	6.549%
72	8.133	653	655	659	rVV2	37351	64658	10.86%	0.932%
73	8.232	659	665	669	rVV4	21514	55518	9.32%	0.800%
74	8.311	669	673	675	rVV	108280	157122	26.39%	2.265%
75	8.409	675	683	687	rVV2	175389	322649	54.19%	4.650%

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Data File : 1M52599.D
Acq On : 28 Dec 2009 13:42
Operator : WP
Sample : AC49029-001
Misc : S,5G!6
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Title : @GCMS_1,ug,624,8260

76	8.459	687	688	693	rVV5	14752	36818	6.18%	0.531%
77	8.567	693	699	703	rVV4	70221	177454	29.80%	2.558%
78	8.636	703	706	709	rVV2	32483	57459	9.65%	0.828%
79	8.685	709	711	715	rVV4	25628	78882	13.25%	1.137%
80	8.804	715	723	727	rVV2	114247	265030	44.51%	3.820%
81	8.902	727	733	743	rVB2	198110	595384	100.00%	8.581%
82	9.109	749	754	761	rBV	109783	219823	36.92%	3.168%
83	9.208	761	764	769	rVB2	136326	263043	44.18%	3.791%
84	9.316	771	775	779	rBV4	21300	38766	6.51%	0.559%
85	9.425	779	786	789	rBV5	47648	107774	18.10%	1.553%
86	9.484	789	792	797	rVB3	47304	109800	18.44%	1.582%
87	9.572	797	801	803	rBV	53749	94800	15.92%	1.366%
88	9.691	807	813	817	rVV3	63373	164214	27.58%	2.367%
89	9.770	817	821	823	rVV3	28827	76844	12.91%	1.108%
90	9.838	823	828	833	rVB2	53488	166530	27.97%	2.400%

Sum of corrected areas: 6938391

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Data File : 1M52599.D
Acq On : 28 Dec 2009 13:42
Operator : WP
Sample : AC49029-001
Misc : S,5G!6
ALS Vial : 23 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Quant Title : @GCMS_1,ug,624,8260

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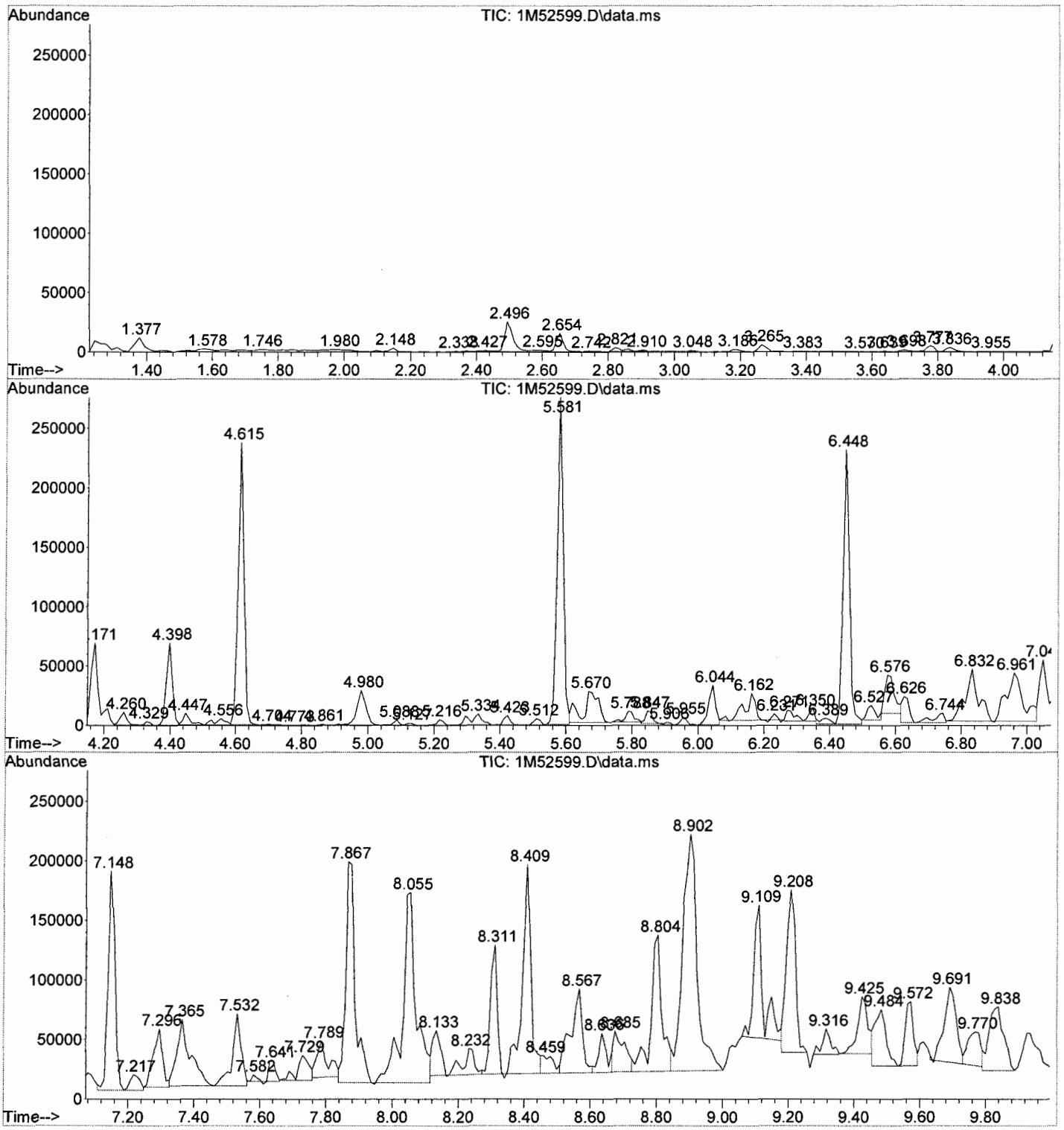

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Sample : AC49029-001
Misc : S,5G!6
ALS Vial : 23 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Quant Title : @GCMS_1,ug,624,8260

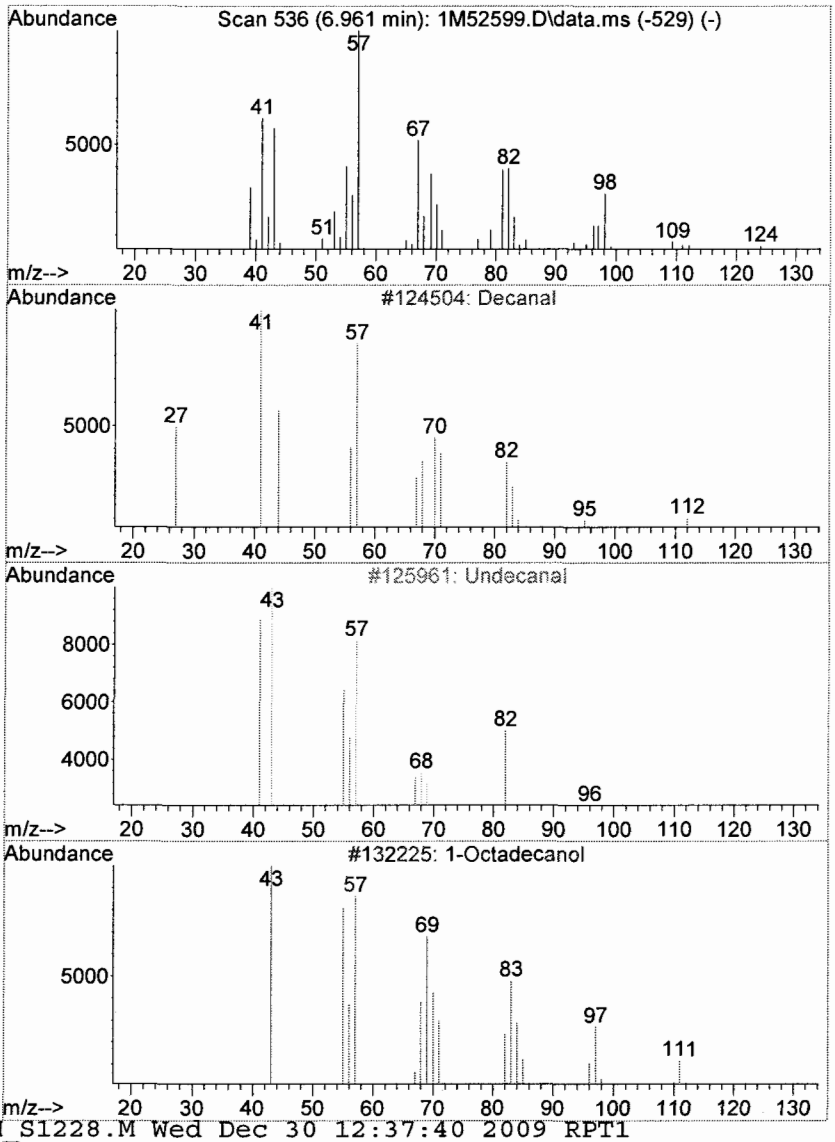
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

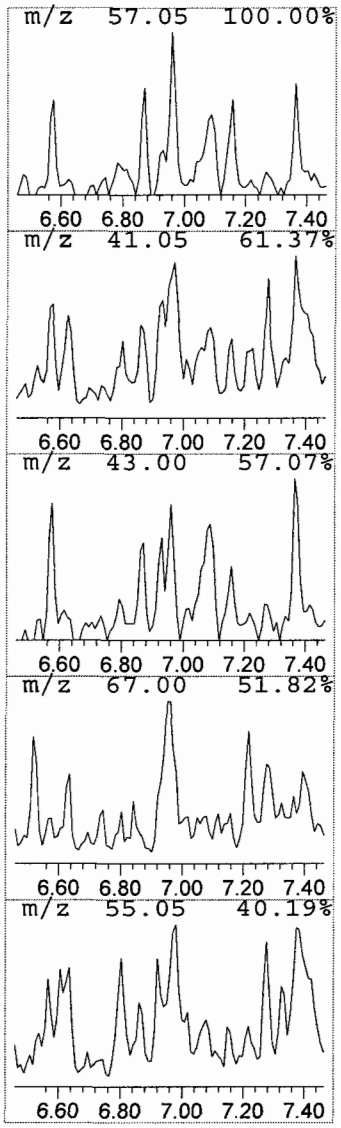
****

Peak Number 1 unknown Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	15.09 ug/l	149126	Chlorobenzene-d5	6.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanal	156	C10H20O	000112-31-2	22
2	Undecanal	170	C11H22O	000112-44-7	22
3	1-Octadecanol	270	C18H38O	000112-92-5	14
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	14
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	10





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Sample : AC49029-001
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ALS Vial : 23 Sample Multiplier: 1

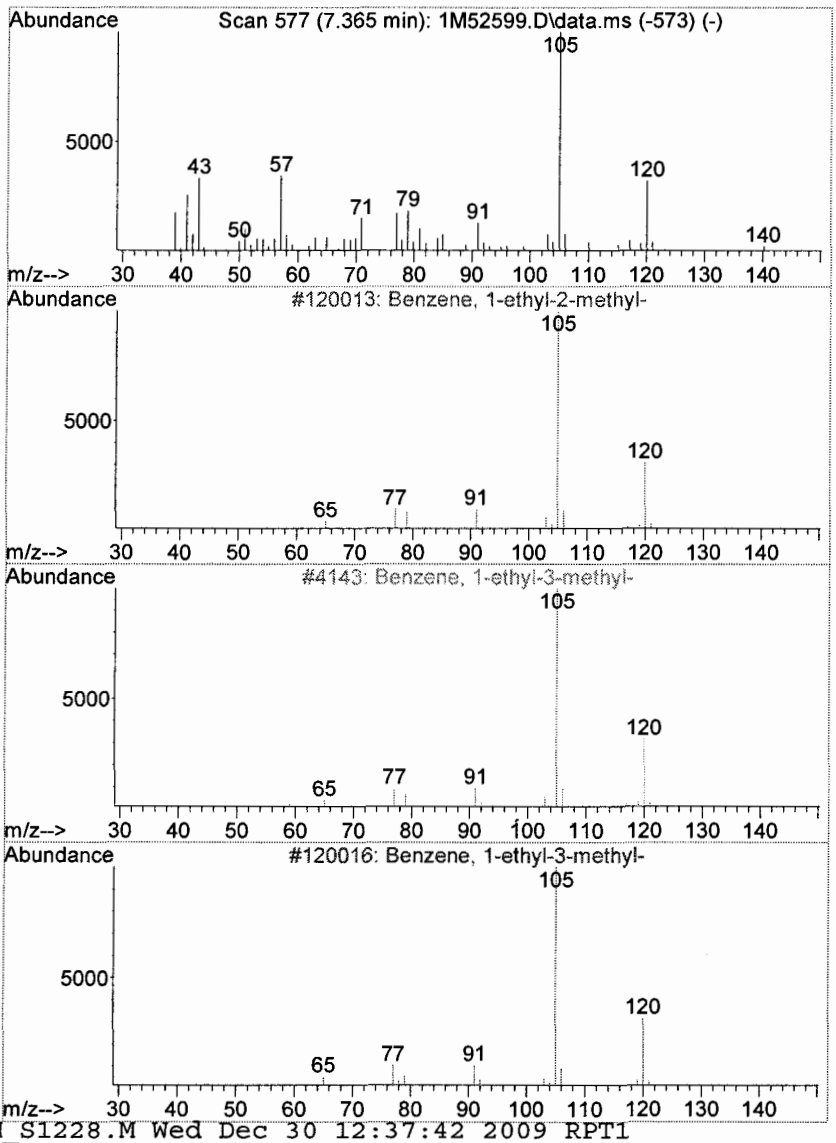
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Quant Title : @GCMS_1,ug,624,8260

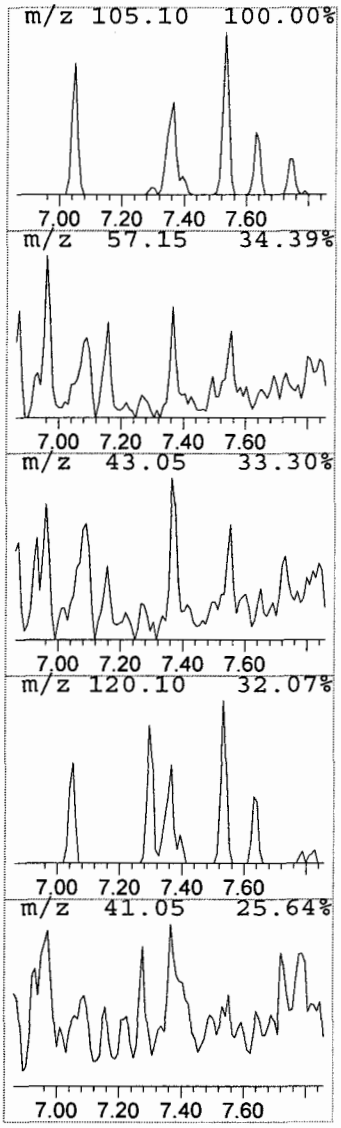
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	13.27 ug/l	159458	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	80





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Sample : AC49029-001
Misc : S,5G!6
ALS Vial : 23 Sample Multiplier: 1

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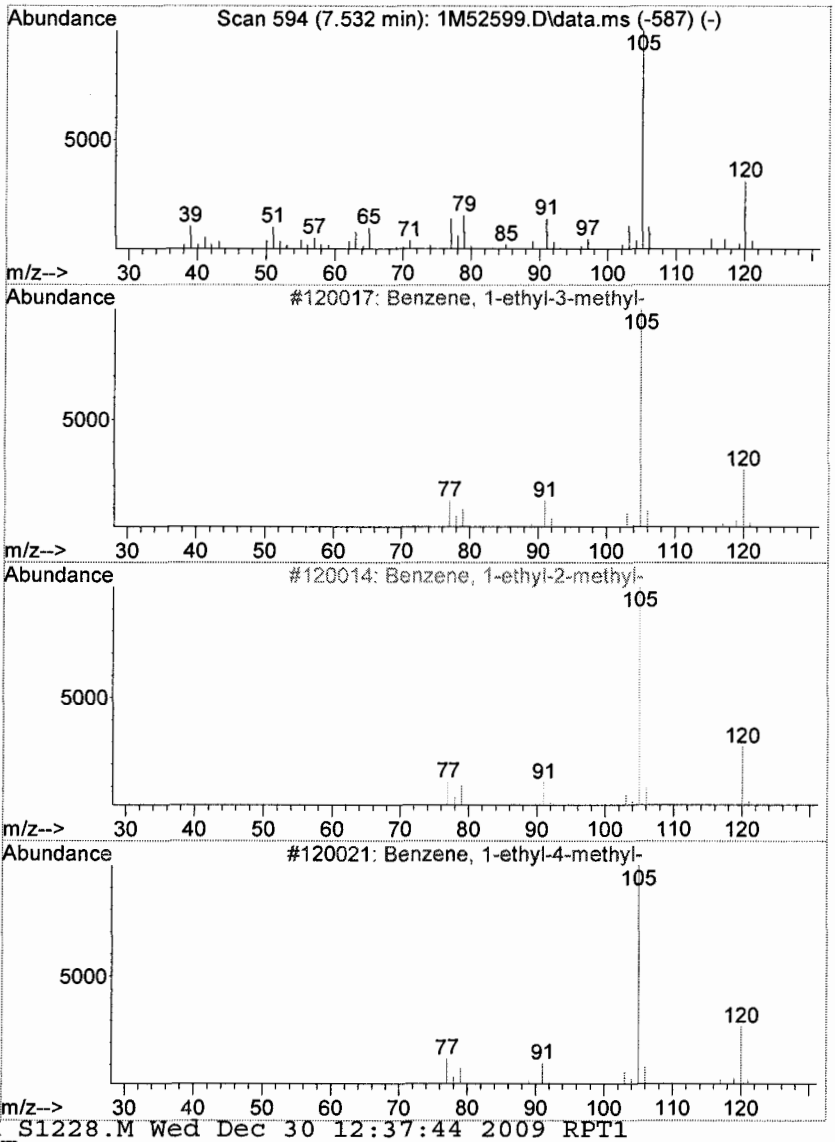
Quant Title : @GCMS_1,ug,624,8260

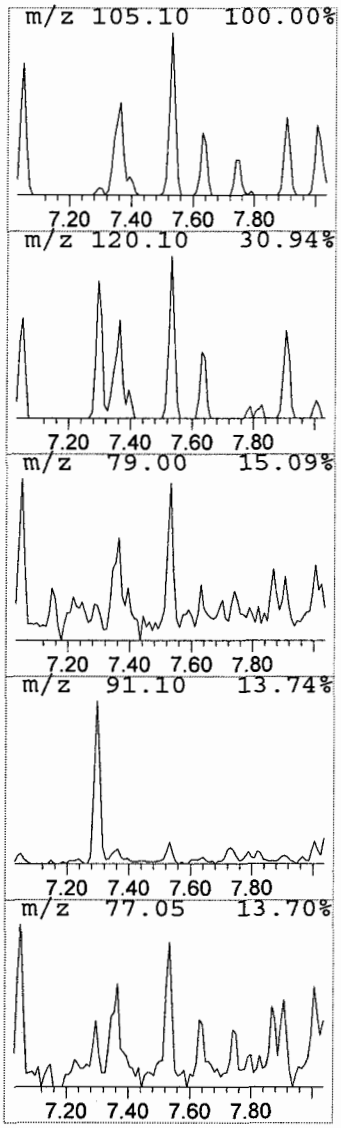
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	9.61 ug/l	115476	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





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Operator : WP
Sample : AC49029-001
Misc : S,5G!6
ALS Vial : 23 Sample Multiplier: 1

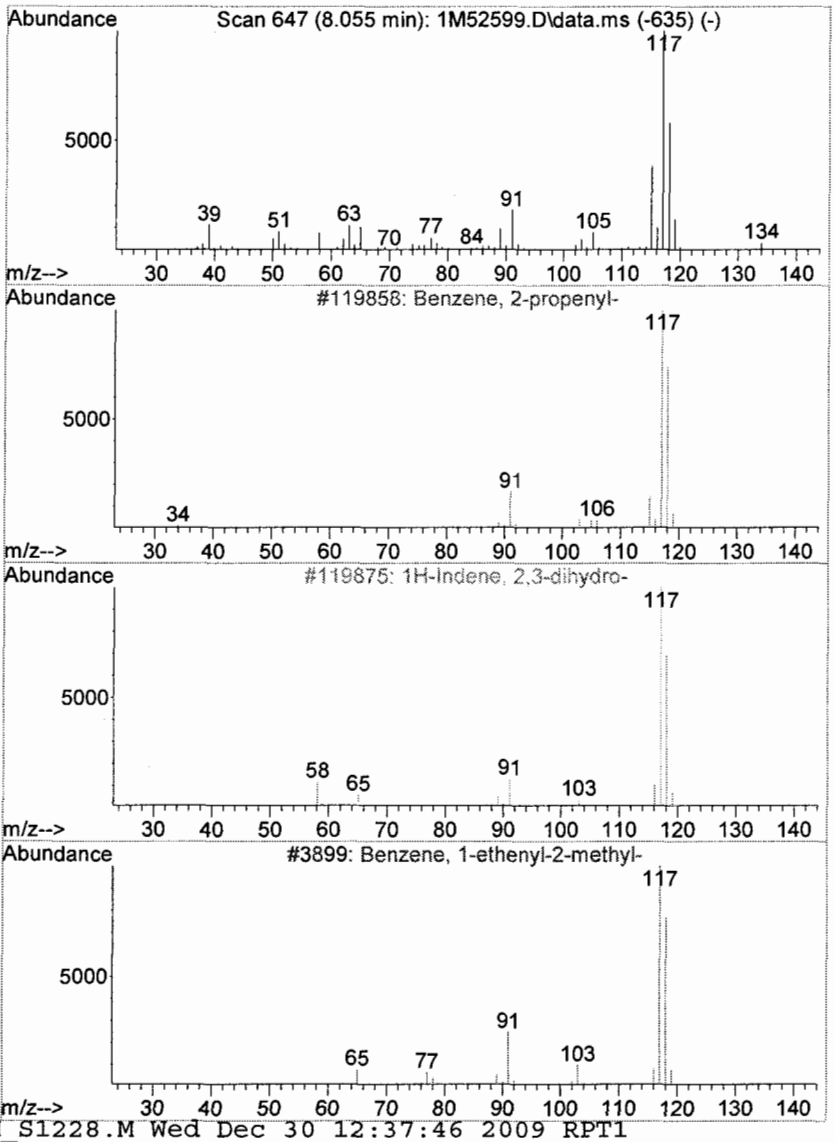
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Quant Title : @GCMS_1,ug,624,8260

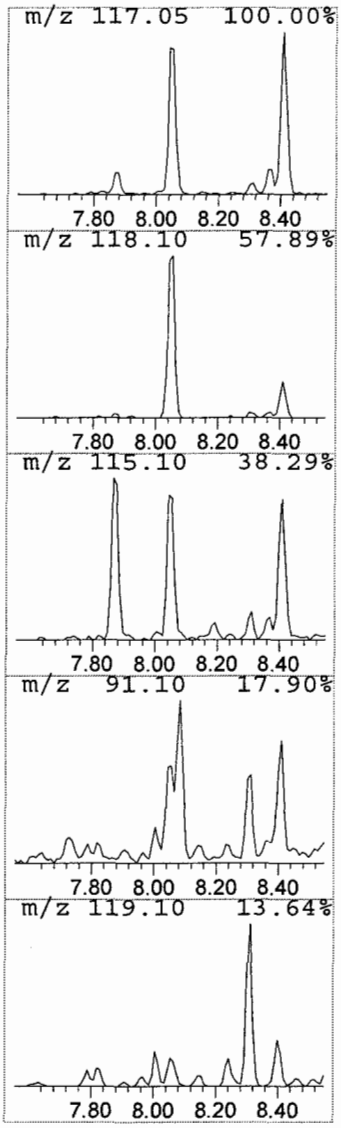
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-ethenyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	37.81 ug/l	454405	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	42
2	1H-Indene, 2,3-dihydro-	118	C9H10	000496-11-7	46
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	70
4	1H-Indene, 2,3-dihydro-	118	C9H10	000496-11-7	43
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	25





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Acq On : 28 Dec 2009 13:42
Operator : WP
Sample : AC49029-001
Misc : S,5G!6
ALS Vial : 23 Sample Multiplier: 1

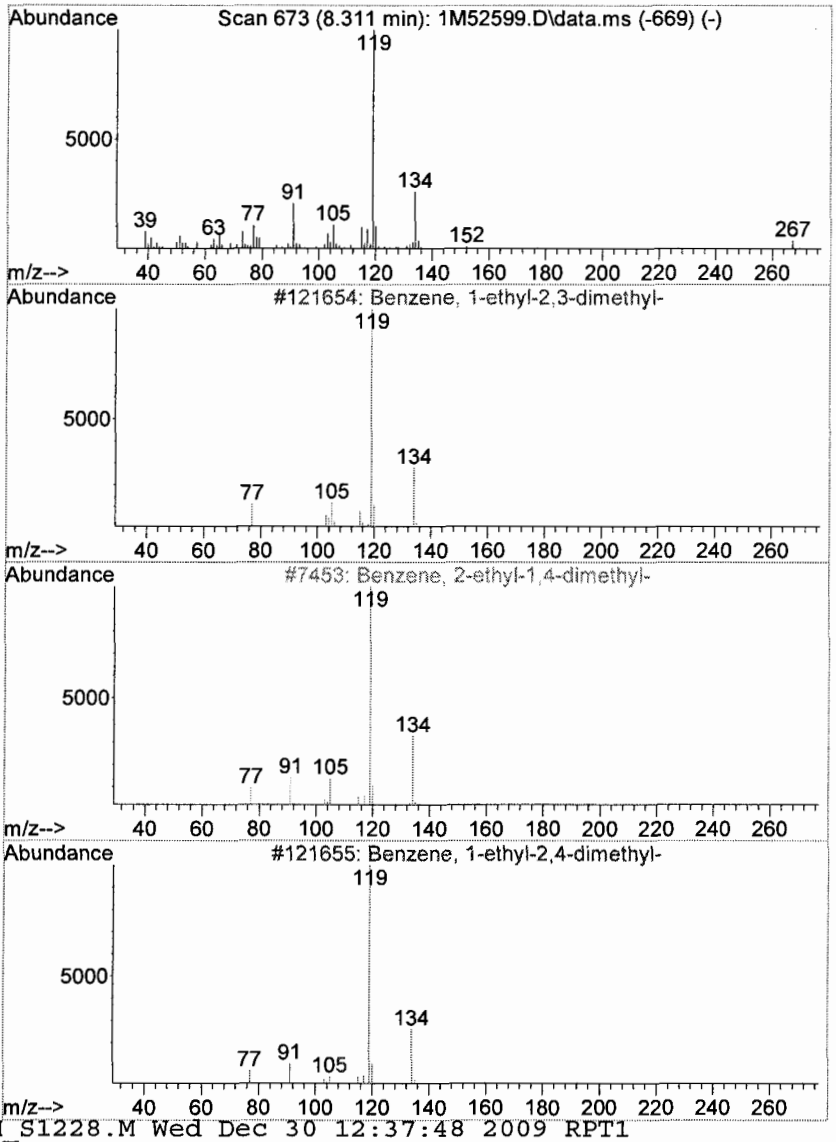
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Quant Title : @GCMS_1,ug,624,8260

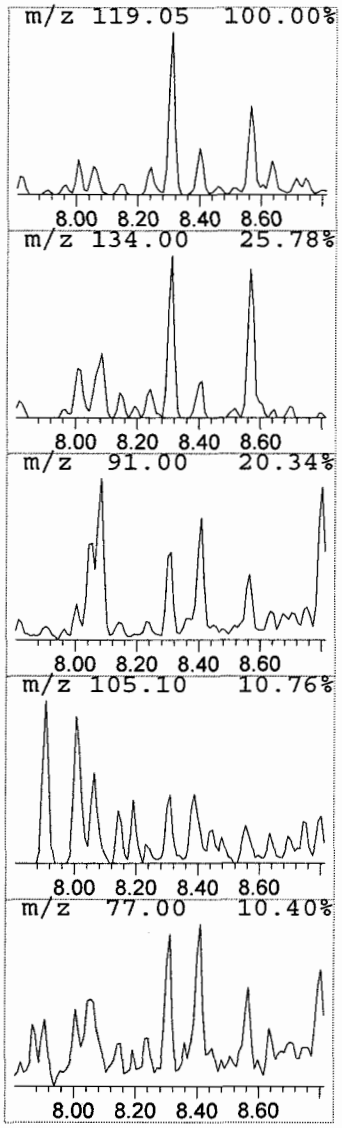
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.31	13.07 ug/l	157122	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90





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Sample : AC49029-001
Misc : S,5G!6
ALS Vial : 23 Sample Multiplier: 1

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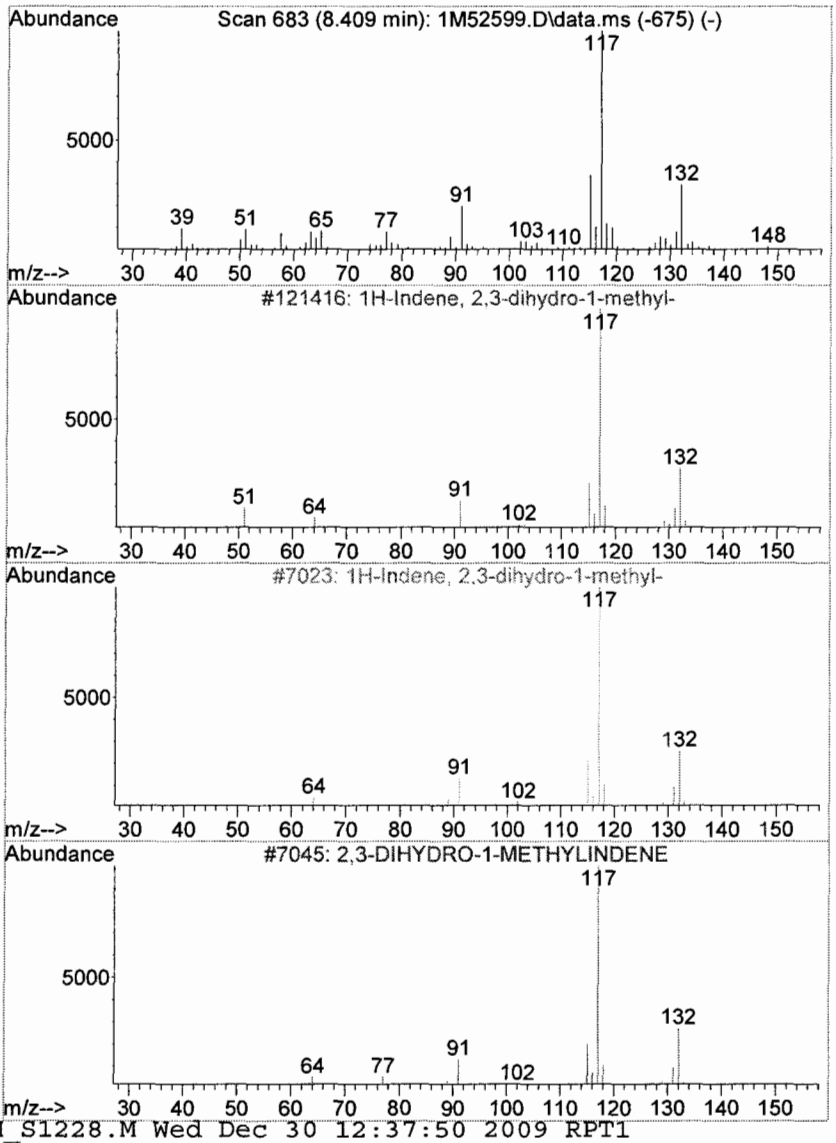
Quant Title : @GCMS_1,ug,624,8260

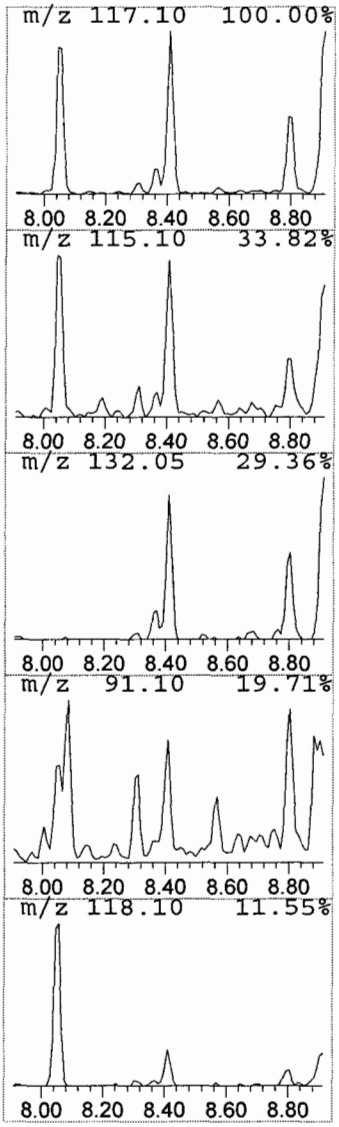
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, 2,3-dihydro-1-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	26.85 ug/l	322649	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	74
2	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	83
3	2,3-DIHYDRO-1-METHYLINDENE	132	C10H12	027133-93-3	87
4	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	72
5	1R-METHYL-2T-PHENYLCYCLOPROPANE	132	C10H12	005070-01-9	47





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Sample    : AC49029-001
Misc      : S,5G!6
ALS Vial  : 23   Sample Multiplier: 1

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Quant Title  : @GCMS_1,ug,624,8260

TIC Library   : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P
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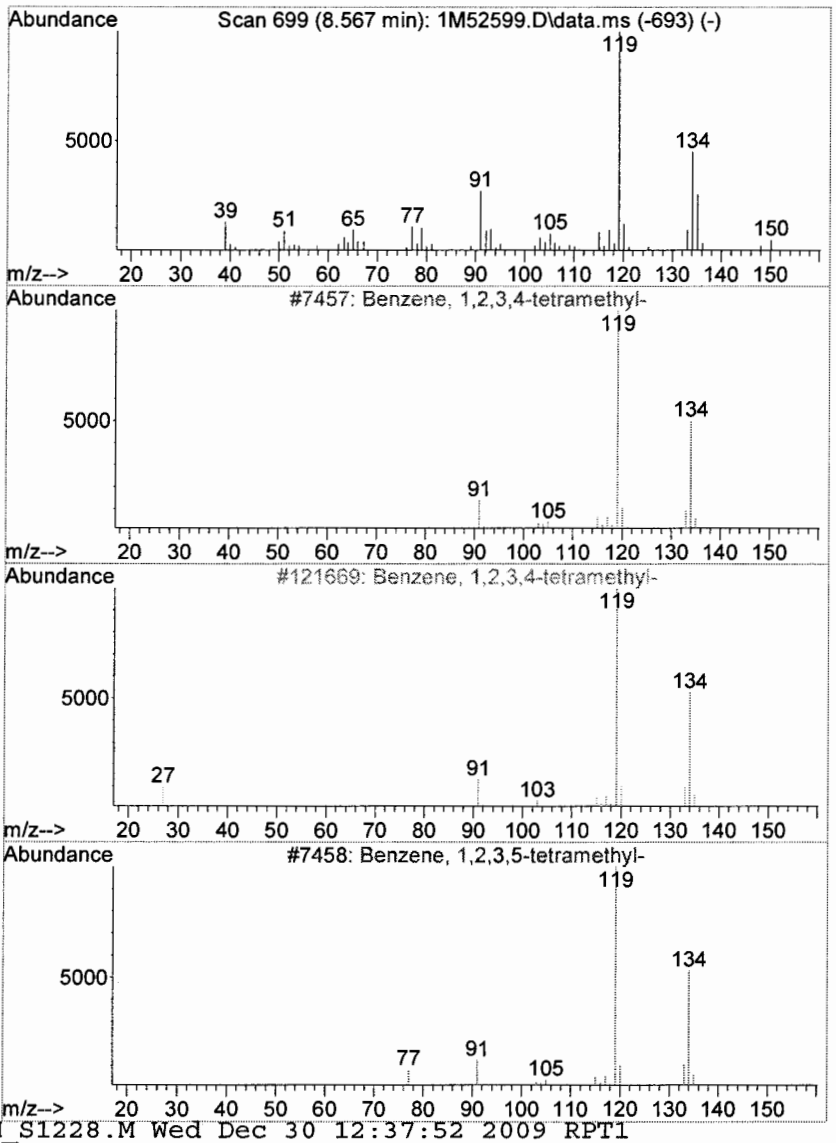
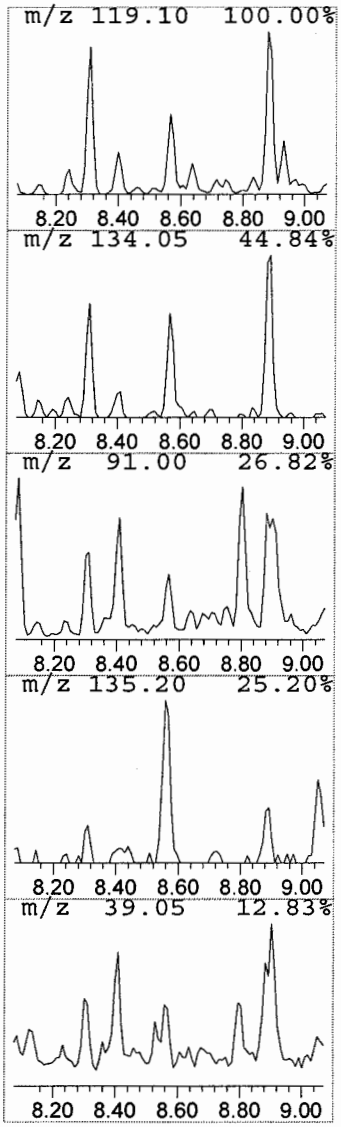
****

Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	14.76 ug/l	177454	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81





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Sample : AC49029-001
Misc : S,5G!6
ALS Vial : 23 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Quant Title : @GCMS_1,ug,624,8260

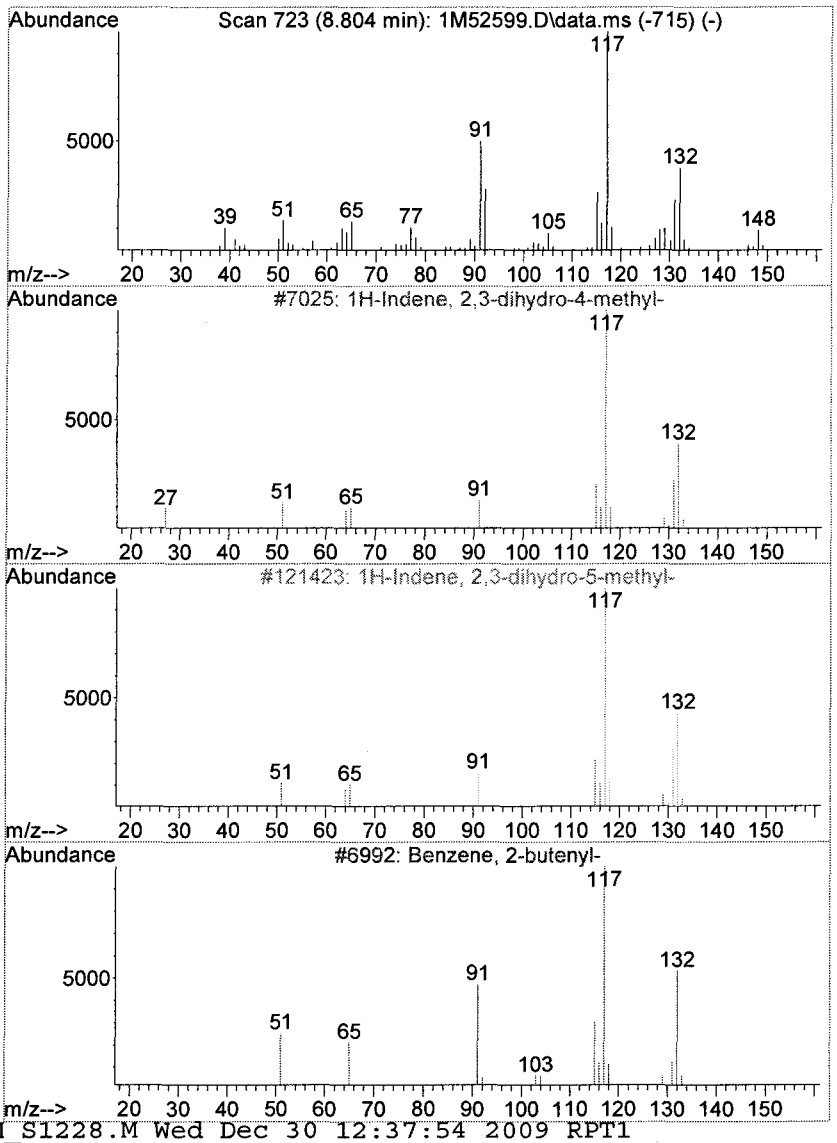
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

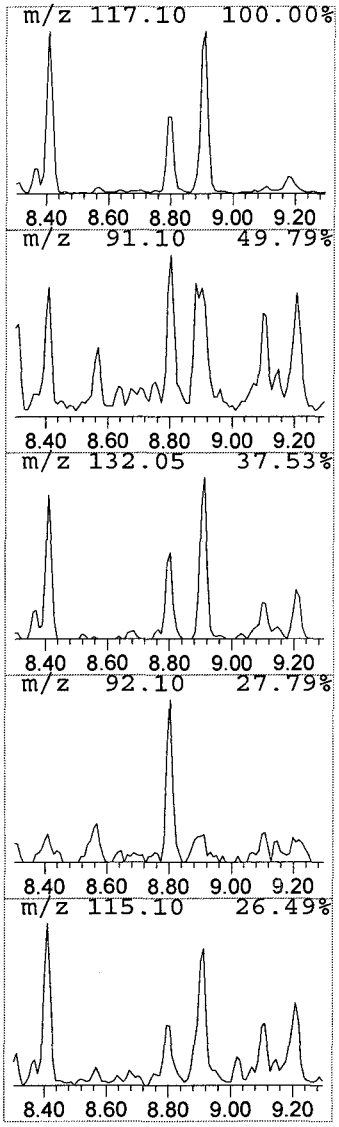
****

Peak Number 8 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	22.05 ug/l	265030	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	38
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76





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ALS Vial : 23 Sample Multiplier: 1

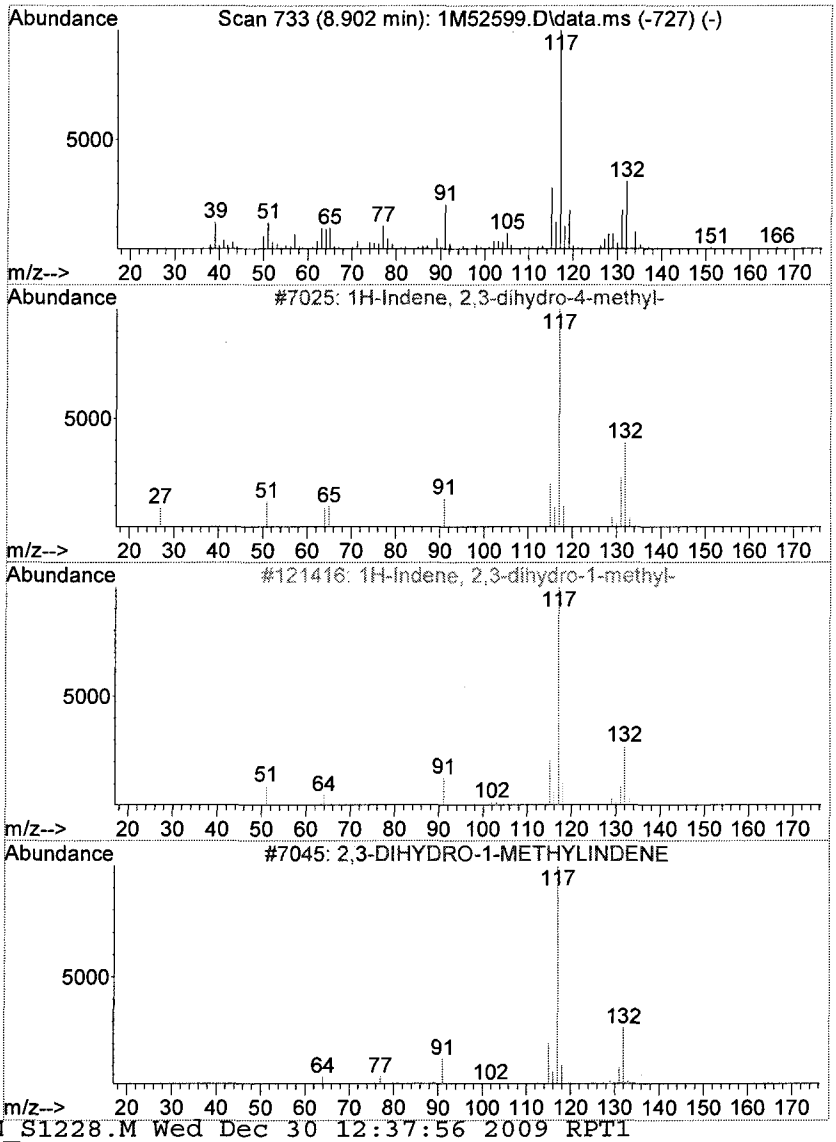
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Quant Title : @GCMS_1,ug,624,8260

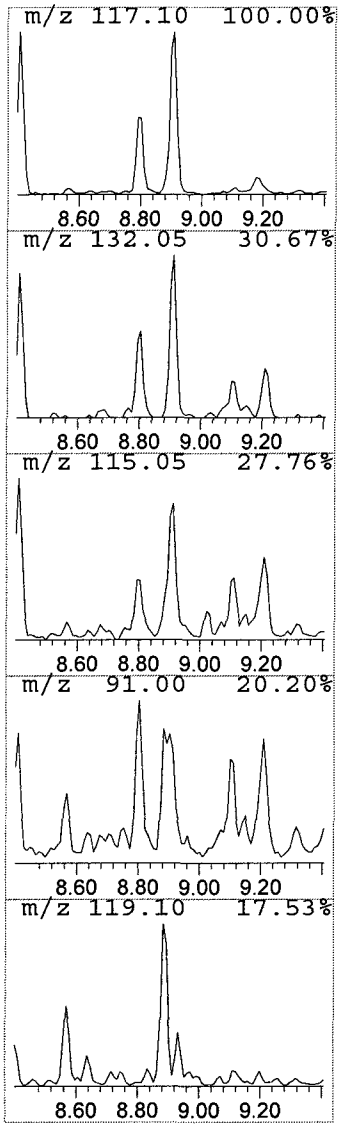
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	49.54 ug/l	595384	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
2	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	83
3	2,3-DIHYDRO-1-METHYLINDENE	132	C10H12	027133-93-3	87
4	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	83
5	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	87





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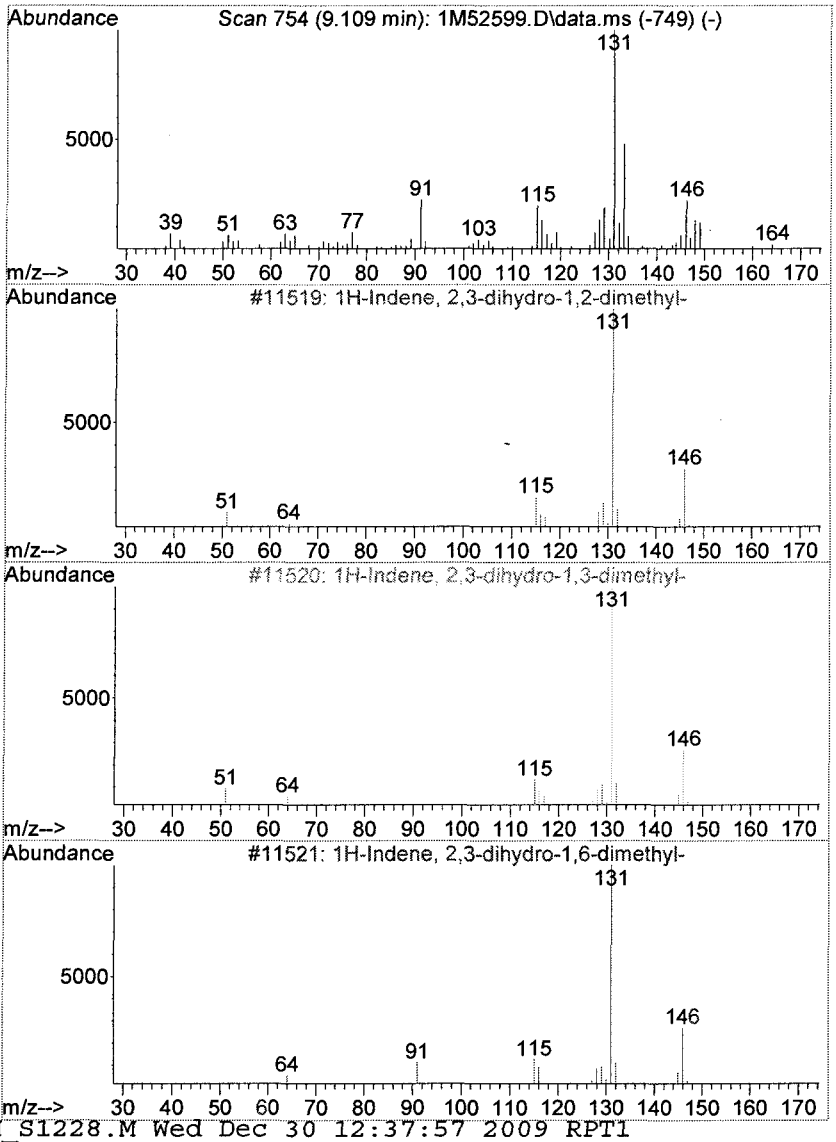
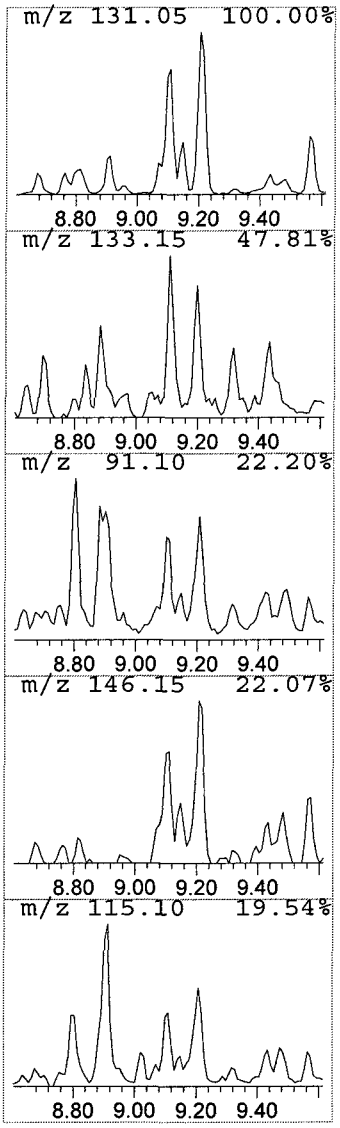
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	18.29 ug/l	219823	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	46
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	30
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	49
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	52
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	52





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Data File : 1M52599.D
Acq On : 28 Dec 2009 13:42
Operator : WP
Sample : AC49029-001
Misc : S,5G!6
ALS Vial : 23 Sample Multiplier: 1

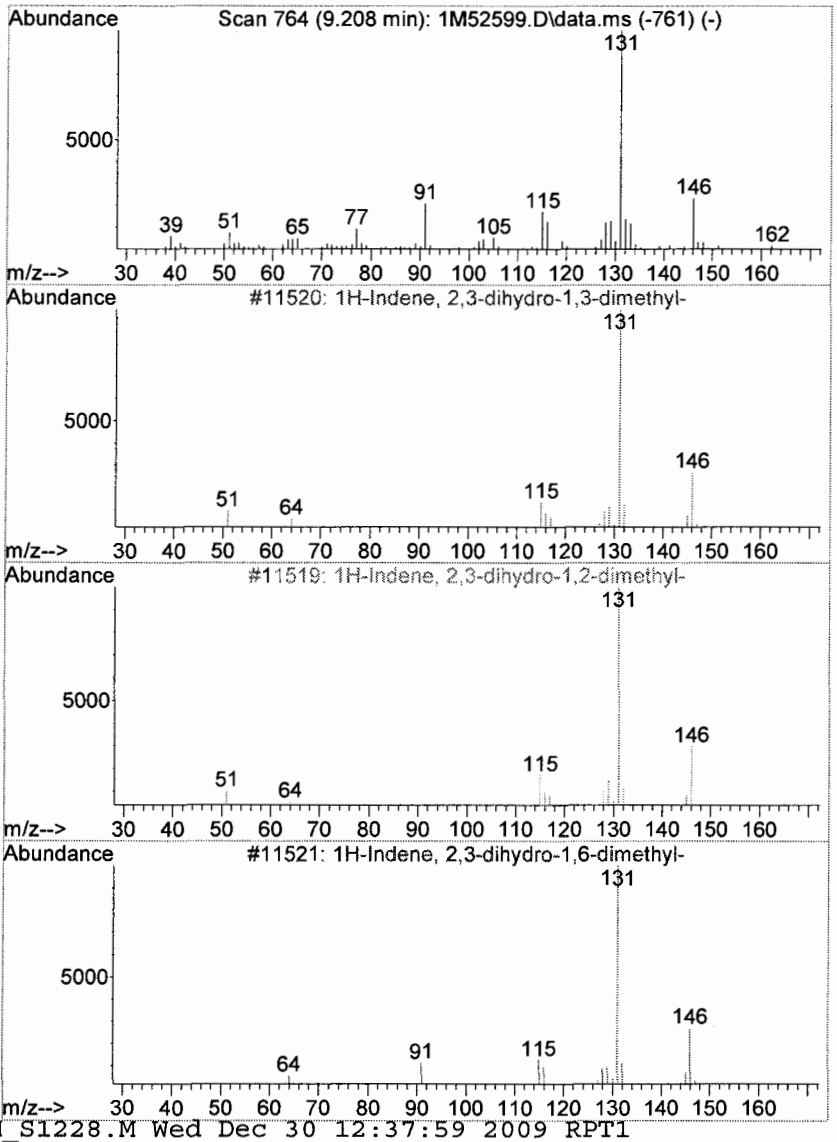
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Quant Title : @GCMS_1,ug,624,8260

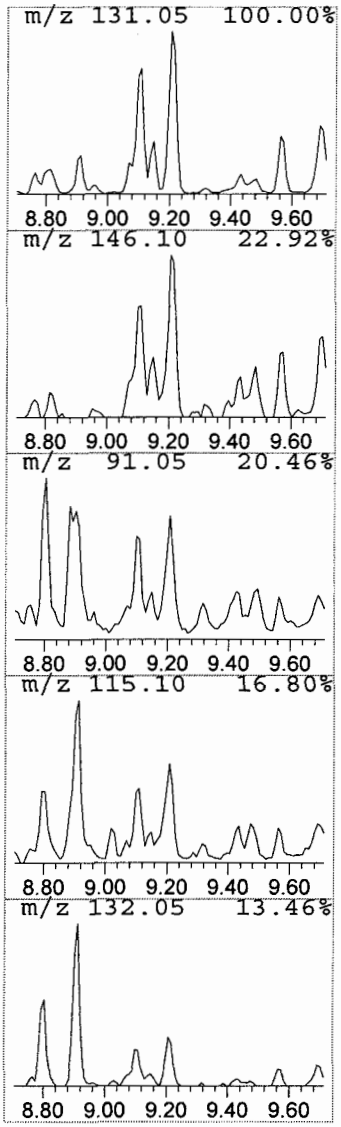
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	21.89 ug/l	263043	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	83





Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Data File : 1M52599.D
Acq On : 28 Dec 2009 13:42
Operator : WP
Sample : AC49029-001
Misc : S,5G!6
ALS Vial : 23 Sample Multiplier: 1

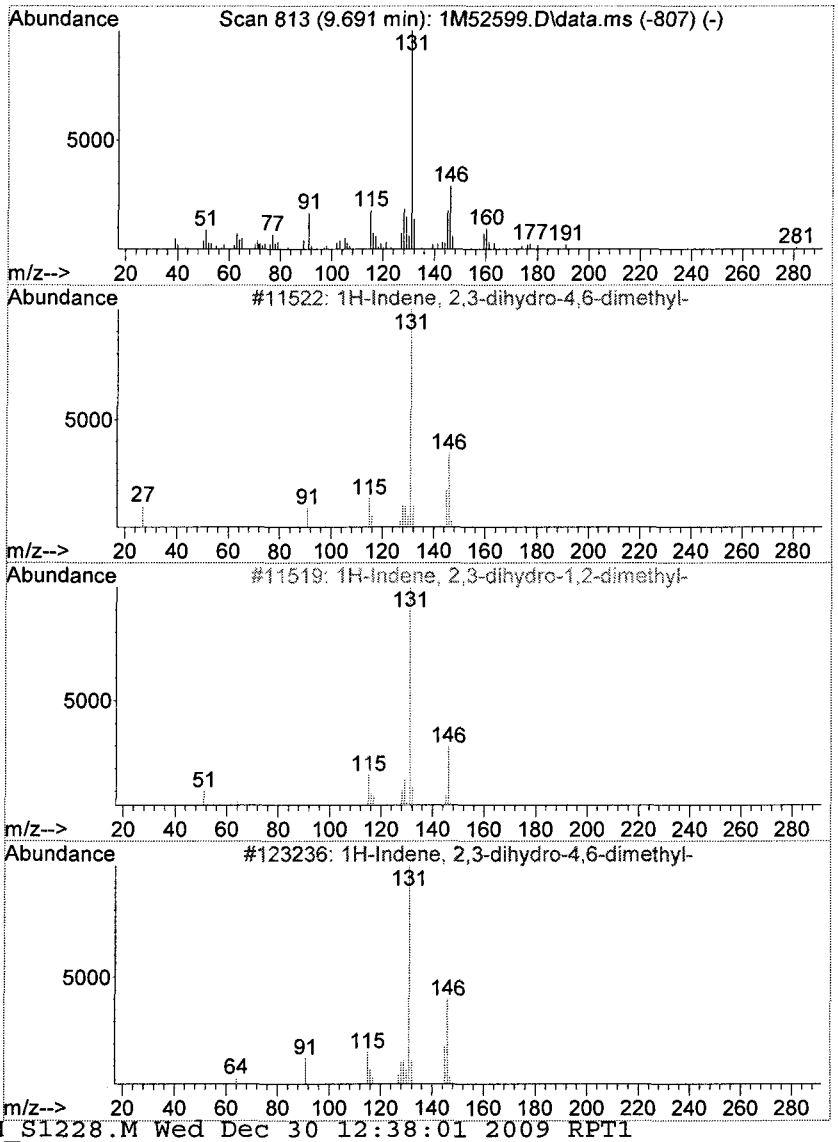
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Quant Title : @GCMS_1,ug,624,8260

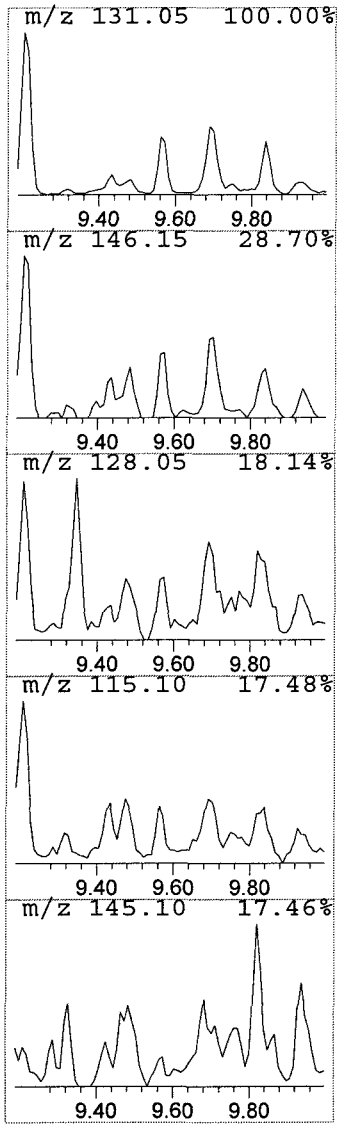
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1H-Indene, 2,3-dihydro-4,6-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	13.66 ug/l	164214	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	87
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	83
5	Indan, 5,6-dimethyl-	146	C11H14	001075-22-5	87





Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Data File : 1M52599.D
Acq On : 28 Dec 2009 13:42
Operator : WP
Sample : AC49029-001
Misc : S,5G!6
ALS Vial : 23 Sample Multiplier: 1

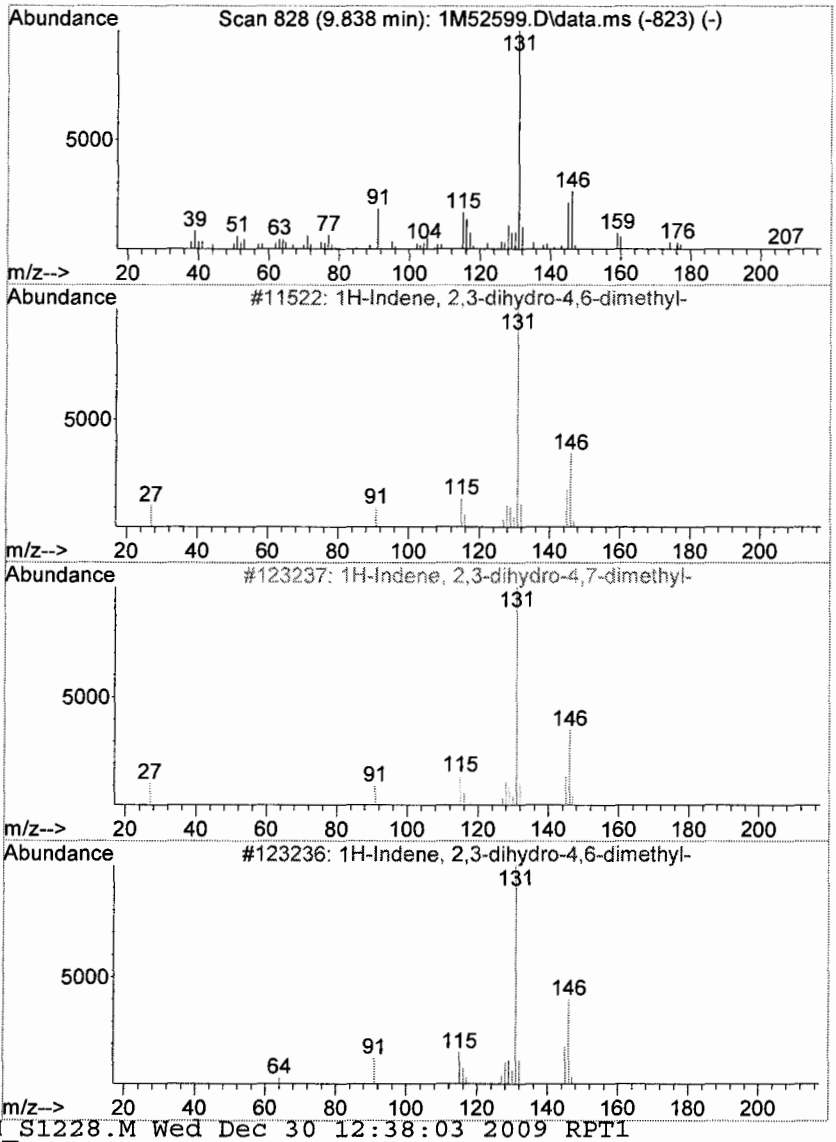
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Quant Title : @GCMS_1,ug,624,8260

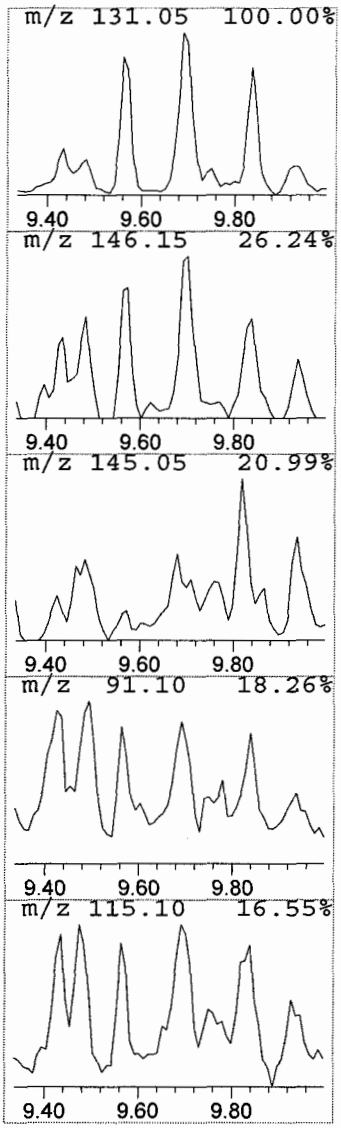
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Indene, 2,3-dihydro-4,6-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	13.86 ug/l	166530	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	80
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	80
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	49
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	74
5	Indan, 5,6-dimethyl-	146	C11H14	001075-22-5	47





Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Data File : 1M52599.D
Acq On : 28 Dec 2009 13:42
Operator : WP
Sample : AC49029-001
Misc : S,5G!6
ALS Vial : 23 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	# ExpRT	ActRt	Resp	Conc
unknown	6.96	15.1	ug/l	149126	2 6.45	6.45	296475	30.0
Benzene, 1-ethyl-...	7.36	13.3	ug/l	159458	3 7.88	7.87	360562	30.0
Benzene, 1-ethyl-...	7.53	9.6	ug/l	115476	3 7.88	7.87	360562	30.0
Benzene, 1-etheny...	8.05	37.8	ug/l	454405	3 7.88	7.87	360562	30.0
Benzene, 1-ethyl-...	8.31	13.1	ug/l	157122	3 7.88	7.87	360562	30.0
1H-Indene, 2,3-di...	8.41	26.8	ug/l	322649	3 7.88	7.87	360562	30.0
Benzene, 1,2,3,4-...	8.57	14.8	ug/l	177454	3 7.88	7.87	360562	30.0
1H-Indene, 2,3-di...	8.80	22.1	ug/l	265030	3 7.88	7.87	360562	30.0
1H-Indene, 2,3-di...	8.90	49.5	ug/l	595384	3 7.88	7.87	360562	30.0
1H-Indene, 2,3-di...	9.11	18.3	ug/l	219823	3 7.88	7.87	360562	30.0
1H-Indene, 2,3-di...	9.21	21.9	ug/l	263043	3 7.88	7.87	360562	30.0
1H-Indene, 2,3-di...	9.69	13.7	ug/l	164214	3 7.88	7.87	360562	30.0
1H-Indene, 2,3-di...	9.84	13.9	ug/l	166530	3 7.88	7.87	360562	30.0

GC/MS Volatile Data
Standards Data

0059

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #	Data File	Cal Identifier	Analysis Date/Time	Level #	Data File	Cal Identifier	Analysis Date/Time
1	1M52581.	CAL @ 20 PPB	12/28/09 08:45	2	1M52583.	CAL @ 5 PPB	12/28/09 09:18
3	1M52582.	CAL @ 10 PPB	12/28/09 09:02	4	1M52580.	CAL @ 50 PPB	12/28/09 08:29
5	1M52579.	CAL @ 100 PPB	12/28/09 08:13	6	1M52578.	CAL @ 250 PPB	12/28/09 07:57
7	1M52577.	CAL @ 500 PPB	12/28/09 07:40	8	1M52585.	CAL @ 1 PPB	12/28/09 09:50
9	1M52586.	CAL @ 0.5 PPB	12/28/09 10:06				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.7063	0.8331	0.7706	0.7907	0.7810	0.7078	0.6133	-----	-----	0.743	1.38	0.993	1.00	9.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Dichlorodifluoromethan	1	0	Avg	0.3442	0.2737	0.3622	0.3279	0.3210	0.3432	0.2650	-----	-----	0.320	1.38	0.982	0.998	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Chloromethane	1	0	Avg	0.3425	0.4262	0.3693	0.3745	0.3903	0.3268	0.4156	-----	-----	0.378	1.50	0.989	0.997	9.6	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Bromomethane	1	0	Avg	0.1552	0.1849	0.1825	0.1520	0.1534	0.1393	0.1312	-----	-----	0.157	1.83	0.999	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Vinyl Chloride	1	0	Avg	0.2806	0.3630	0.3230	0.3303	0.3280	0.2636	0.3030	-----	-----	0.313	1.58	0.995	0.997	11	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Chloroethane	1	0	Avg	0.1650	0.1936	0.1948	0.1704	0.1655	0.1557	0.1463	-----	-----	0.170	1.90	0.999	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Trichlorofluoromethane	1	0	Avg	0.6550	0.6321	0.6253	0.6560	0.6298	0.5176	0.5325	-----	-----	0.607	2.09	0.998	0.998	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.1.2-Trichloro-1.2.2-tri	1	0	Avg	0.3468	0.3781	0.3755	0.3457	0.3433	0.2946	0.2758	-----	-----	0.337	2.48	0.998	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Methylene Chloride	1	0	Avg	0.3635	0.4070	0.3833	0.3523	0.3423	0.3039	0.2973	-----	-----	0.350	2.82	0.999	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Acrolein	1	0	Avg	0.0457	0.0449	0.0440	0.0452	0.0445	0.0413	0.0393	-----	-----	0.0436	2.39	0.999	1.00	5.4		100.0	25.00	50.00	250.0	500.0	1250.	2500.		
Acrylonitrile	1	0	Avg	0.0734	0.0957	0.0852	0.0939	0.0921	0.0836	0.0796	-----	-----	0.0863	3.00	0.999	1.00	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Iodomethane	1	0	Avg	0.4978	0.5652	0.5590	0.5429	0.5203	0.4782	0.4192	-----	-----	0.512	2.60	0.995	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Acetone	1	0	Avg	0.0718	0.0844	0.0761	0.0706	0.0694	0.0601	0.0559	-----	-----	0.0698	2.50	0.998	1.00	14		100.0	25.00	50.00	250.0	500.0	1250.	2500.		
Carbon Disulfide	1	0	Avg	1.1525	1.1881	1.2579	1.1702	1.1753	1.0395	0.9991	-----	-----	1.14	2.65	0.999	1.00	7.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
t-Butyl Alcohol	1	0	Avg	0.0104	0.0096	0.0121	0.0110	0.0111	0.0109	0.0104	-----	-----	0.0108	2.89	0.999	1.00	7.0		100.0	25.00	50.00	250.0	500.0	1250.	2500.		
n-Hexane	1	0	Avg	0.5671	0.4511	0.5419	0.5960	0.5946	0.5422	0.5210	-----	-----	0.545	3.27	0.999	1.00	9.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Di-isopropyl-ether	1	0	Avg	1.4168	1.3446	1.4551	1.4626	1.4095	1.2537	1.1089	-----	-----	1.35	3.42	0.995	1.00	9.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.1-Dichloroethene	1	0	Avg	0.6824	0.6717	0.7314	0.7099	0.7004	0.6212	0.5735	-----	-----	0.670	2.48	0.997	1.00	8.2	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Methyl Acetate	1	0	Avg	0.2222	0.2301	0.2427	0.2242	0.2129	0.1968	0.1830	-----	-----	0.216	2.74	0.998	1.00	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Methyl-t-butyl ether	1	0	Avg	0.5692	0.5356	0.6015	0.5827	0.5609	0.5049	0.4438	0.4823	-----	0.535	3.04	0.995	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethane	1	0	Avg	0.7726	0.8050	0.8541	0.7827	0.7835	0.7034	0.6739	-----	-----	0.768	3.37	0.999	1.00	7.9	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
trans-1.2-Dichloroether	1	0	Avg	0.3510	0.3650	0.3834	0.3568	0.3432	0.2973	0.2762	-----	-----	0.339	3.04	0.997	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
cis-1.2-Dichloroethene	1	0	Avg	0.7534	0.7956	0.7807	0.7841	0.7517	0.6530	0.5881	-----	-----	0.730	3.84	0.996	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Bromochloromethane	1	0	Avg	0.3465	0.4030	0.3904	0.3469	0.3372	0.3074	0.2818	-----	-----	0.345	4.00	0.998	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2.2-Dichloropropane	1	0	Avg	0.5060	0.4961	0.5349	0.5402	0.5292	0.4762	0.4476	-----	-----	0.504	3.85	0.998	1.00	6.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.4-Dioxane	1	0	Avg	0.0021	0.0018	0.0019	0.0021	0.0021	0.0018	0.0017	-----	-----	0.00198	5.06	0.998	0.999	8.8		1000.	250.0	500.0	2500.	5000.	1250	2500		
1.1-Dichloropropene	1	0	Avg	0.6121	0.6083	0.6270	0.6088	0.5937	0.4955	0.4387	-----	-----	0.569	4.31	0.994	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Chloroform	1	0	Avg	0.7068	0.7642	0.7703	0.7073	0.6913	0.6154	0.5754	-----	-----	0.690	4.06	0.998	1.00	10	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Dibromofluoromethane	1	0	Avg	0.2543	0.2642	0.2724	0.2720	0.2677	0.2624	0.2675	0.2904	0.2885	0.271	4.17	-1	-1	4.3		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.8140	0.6785	0.7606	0.8556	0.8395	0.7420	0.6853	-----	-----	0.768	4.25	0.997	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2-Dichloroethane-d4	1	0	Avg	0.0475	0.0553	0.0505	0.0519	0.0515	0.0509	0.0527	0.0558	0.0585	0.0528	4.40	-1	-1	6.3		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	LinF	0.5773	0.6747	0.6522	0.5607	0.5214	0.4327	0.3736	-----	-----	0.542	4.45	0.992	0.999	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2-Butanone	1	0	Avg	0.1156	0.1323	0.1308	0.1250	0.1190	0.1024	0.0915	-----	-----	0.117	3.84	0.995	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.1.1-Trichloroethane	1	0	Avg	0.5864	0.5977	0.6156	0.5880	0.5854	0.5122	0.4855	-----	-----	0.567	4.21	0.998	1.00	8.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Carbon Tetrachloride	1	0	Avg	0.5294	0.5365	0.5607	0.5257	0.5116	0.4308	0.3862	-----	-----	0.497	4.32	0.995	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Vinyl Acetate	1	0	Avg	1.1700	1.2170	1.2539	1.1970	1.1814	1.0764	0.9622	-----	-----	1.15	3.42	0.996	1.00	8.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Bromodichloromethane	1	0	Avg	0.5771	0.6029	0.6354	0.5810	0.5672	0.4912	0.4674	-----	-----	0.560	5.14	0.998	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Methylcyclohexane	1	0	Avg	0.6975	0.5832	0.6702	0.7079	0.6801	0.5687	0.5053	-----	-----	0.630	4.98	0.994	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Dibromomethane	1	0	Avg	0.2356	0.2652	0.2662	0.2381	0.2256	0.1914	0.1826	-----	-----	0.229	5.05	0.998	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2-Dichloropropane	1	0	Avg	0.4299	0.4319	0.4662	0.4211	0.4021	0.3305	-----	-----	-----	0.414	4.98	0.992	1.00	11	*(30)	20.00	5.00	10.00	50.00	100.0	250.0			
Trichloroethene	1	0	Avg	0.4021	0.4225	0.4240	0.4043	0.4080	0.3399	0.3151	-----	-----	0.388	4.84	0.996	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0		

Avg Rsd: 10.8

Flags

a - failed the spcc criteria * *- ccc compound*

b - failed the ccc criteria ** *- spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0060

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M52581.	CAL @ 20 PPB	12/28/09 08:45	2	1M52583.	CAL @ 5 PPB	12/28/09 09:18
3	1M52582.	CAL @ 10 PPB	12/28/09 09:02	4	1M52580.	CAL @ 50 PPB	12/28/09 08:29
5	1M52579.	CAL @ 100 PPB	12/28/09 08:13	6	1M52578.	CAL @ 250 PPB	12/28/09 07:57
7	1M52577.	CAL @ 500 PPB	12/28/09 07:40	8	1M52585.	CAL @ 1 PPB	12/28/09 09:50
9	1M52586.	CAL @ 0.5 PPB	12/28/09 10:06				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Benzene	1	0	Avg	1.4270	1.6004	1.5885	1.4436	1.3741	1.1229	-----	1.6601	-----	1.46	4.45	0.992	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
tert-Amyl methyl ether	1	0	Avg	0.5654	0.5457	0.5880	0.5749	0.5635	0.4924	0.4413	-----	-----	0.539	4.51	0.995	1.00	9.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Dibromochloromethane	1	0	Avg	0.4970	0.5697	0.5159	0.4815	0.4580	0.4127	0.4103	-----	-----	0.478	6.09	1.00	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2-Chloroethylvinylether	1	0	Avg	0.2261	0.1889	0.1979	0.2344	0.2388	0.2188	0.2206	-----	-----	0.218	5.31	1.00	1.00	8.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
cis-1.3-Dichloropropene	1	0	Avg	0.8216	0.8349	0.7933	0.8365	0.8315	0.7376	0.7333	-----	-----	0.798	5.40	0.999	0.999	5.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
trans-1.3-Dichloropropene	1	0	Avg	0.6928	0.6671	0.6888	0.6897	0.6783	0.6153	0.6184	-----	-----	0.664	5.73	1.00	1.00	5.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.1.2-Trichloroethane	1	0	Avg	0.3628	0.3924	0.4161	0.3486	0.3354	0.2877	0.2820	-----	-----	0.346	5.85	0.999	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2-Dibromoethane	1	0	Avg	0.3628	0.3918	0.3967	0.3495	0.3469	0.3160	0.3077	-----	-----	0.353	6.17	0.999	1.00	9.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.3-Dichloropropane	1	0	LinF	0.7186	0.8083	0.7473	0.6660	0.6326	0.5346	0.4744	-----	-----	0.655	5.95	0.994	0.999	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
4-Methyl-2-Pentanone	1	0	Avg	0.3348	0.2864	0.3358	0.3440	0.3447	0.3106	0.3006	-----	-----	0.322	5.48	0.999	1.00	7.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2-Hexanone	1	0	Avg	0.2260	0.2109	0.2254	0.2368	0.2323	0.2117	0.1957	-----	-----	0.220	5.98	0.998	1.00	6.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Tetrachloroethene	1	0	Avg	0.5465	0.5570	0.5352	0.5223	0.4807	0.4017	-----	-----	-----	0.507	5.96	0.993	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0			
Toluene-d8	1	0	Avg	0.9001	0.8966	0.9142	0.9151	0.9034	0.8799	0.9184	0.8531	0.8676	0.894	5.58	-1	-1	2.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	1.3093	1.4397	1.4024	1.2455	1.1741	0.9818	-----	1.4680	-----	1.29	5.62	0.993	1.00	13	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.1.2-Tetrachloroethane	1	0	Avg	0.4789	0.5615	0.5107	0.4567	0.4337	0.3631	-----	-----	-----	0.467	6.51	0.994	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0			
Chlorobenzene	1	0	LinF	1.3994	1.5513	1.4975	1.3174	1.2597	1.0787	0.9760	-----	-----	1.30	6.47	0.996	1.00	16	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Bromoform	1	0	Avg	0.6114	0.6143	0.6039	0.5186	0.5068	0.5685	0.6069	-----	-----	0.576	6.96	0.998	1.00	8.0	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Ethylbenzene	1	0	Avg	1.2136	1.1238	0.9742	1.1784	1.0385	0.8967	0.7811	1.1411	-----	1.04	6.52	0.992	0.999	14	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2.2-Tetrachloroethane	1	0	Avg	0.6727	0.6360	0.6777	0.6008	0.5961	0.5635	0.6522	-----	-----	0.628	7.21	0.995	0.999	6.8	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Bromofluorobenzene	1	0	Avg	0.9485	0.8361	0.8267	0.8353	0.8740	0.9034	1.1698	0.7951	0.8165	0.890	7.15	-1	-1	13		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	2.7924	2.3924	2.7147	2.6809	2.3293	2.2132	1.9087	-----	-----	2.43	6.83	0.994	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
m&p-Xylenes	1	0	Avg	1.7948	1.5719	1.7985	1.7045	1.5552	1.3032	-----	1.6073	1.3333	1.58	6.59	0.992	1.00	12		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	LinF	1.7435	1.4875	1.7388	1.6440	1.4236	1.3360	1.1725	1.1730	-----	1.46	6.83	0.995	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.4-Dichloro-2-bu	1	0	Avg	0.3177	0.2880	0.2972	0.2915	0.2878	0.2727	0.3171	-----	-----	0.296	7.24	0.995	0.999	5.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.3-Dichlorobenzene	1	0	Avg	1.8832	2.0706	1.8388	1.7361	1.6336	1.4192	1.4266	-----	-----	1.72	7.84	0.999	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.4-Dichlorobenzene	1	0	LinF	1.8717	2.2272	1.8519	1.7087	1.6722	1.5265	1.3216	-----	-----	1.74	7.89	0.994	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2-Dichlorobenzene	1	0	Avg	1.5592	1.5402	1.6108	1.4734	1.4239	1.3266	1.2129	-----	-----	1.45	8.13	0.998	1.00	9.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Isopropylbenzene	1	0	Avg	4.7421	3.7198	4.3969	4.2026	4.0569	3.7160	3.7114	3.3242	-----	3.98	7.05	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	LinF	0.0199	0.0142	0.0152	0.0187	0.0202	0.0200	0.0232	-----	-----	0.0188	7.11	0.995	1.00	17		100.0	25.00	50.00	250.0	500.0	1250.	2500.		
1.2.3-Trichloropropane	1	0	Avg	1.0634	1.0199	0.9234	0.9211	0.9043	0.8329	0.9036	-----	-----	0.938	7.25	0.998	0.999	8.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2-Chlorotoluene	1	0	Qua	3.1625	2.9524	2.5613	2.6674	2.3992	1.9085	1.5515	-----	-----	2.46	7.37	0.983	0.999	23		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
p-Ethyltoluene	1	0	LinF	5.4310	4.6523	5.2553	4.6984	4.2352	3.5783	3.2435	-----	-----	4.44	7.37	0.996	0.999	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
4-Chlorotoluene	1	0	Avg	2.7096	2.6010	2.6179	2.3689	2.1381	2.0584	2.0717	-----	-----	2.37	7.42	1.00	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
n-Propylbenzene	1	0	Avg	5.8073	4.7286	5.1475	5.0727	4.8656	4.4166	4.4327	4.2773	-----	4.84	7.30	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	2.8594	2.6926	2.7072	2.5037	2.3627	2.2411	2.4170	-----	-----	2.54	7.26	0.999	1.00	8.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.3.5-Trimethylbenzene	1	0	Avg	3.9943	3.5205	2.9179	3.3215	3.2139	2.8877	2.9108	3.2389	-----	3.25	7.40	0.999	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	3.6614	3.0567	3.0275	3.2609	3.1008	2.8138	2.7853	2.5500	-----	3.03	7.61	0.999	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trimethylbenzene	1	0	Avg	3.9655	3.5173	3.4165	3.4552	3.2908	2.9534	2.8909	3.0543	-----	3.32	7.63	0.999	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	4.3312	3.8159	3.9556	4.2188	4.1458	3.7848	3.7381	2.9947	-----	3.87	7.74	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	3.3721	2.9803	3.2071	3.3278	3.2384	2.8080	2.6569	2.2163	-----	2.98	7.82	0.998	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	4.5020	3.7722	4.1621	4.2867	4.2189	3.7566	3.1273	3.2583	-----	3.89	8.08	0.989	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Avg Rsd: 10.8

Flags

a - failed the spcc criteria * *- ccc compound*

b - failed the ccc criteria ** *- spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

006

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M52581.	CAL @ 20 PPB	12/28/09 08:45	2	1M52583.	CAL @ 5 PPB	12/28/09 09:18
3	1M52582.	CAL @ 10 PPB	12/28/09 09:02	4	1M52580.	CAL @ 50 PPB	12/28/09 08:29
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7	1M52577.	CAL @ 500 PPB	12/28/09 07:40	8	1M52585.	CAL @ 1 PPB	12/28/09 09:50
9	1M52586.	CAL @ 0.5 PPB	12/28/09 10:06				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
p-Diethylbenzene	1	0	Avg	2.4716	1.9190	2.2434	2.4700	2.3952	2.0956	1.7094	-----	-----	2.19	8.07	0.986	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2.4.5-Tetramethylber	1	0	Avg	3.7099	2.8259	3.2976	3.7857	3.7702	3.3408	2.8735	-----	-----	3.37	8.57	0.992	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2-Dibromo-3-Chloropr	1	0	Avg	0.1063	0.0963	0.0993	0.1038	0.1092	0.1051	0.1062	-----	-----	0.104	8.62	1.00	1.00	4.3	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Hexachlorobutadiene	1	0	Avg	1.0177	0.9284	0.9311	0.9969	0.9953	0.9225	0.8478	-----	-----	0.949	9.27	0.998	1.00	6.2	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2.4-Trichlorobenzene	1	0	Avg	1.0468	0.9713	0.9331	1.0734	1.0550	1.0168	0.9637	-----	-----	1.01	9.17	0.999	1.00	5.3	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2.3-Trichlorobenzene	1	0	Avg	0.9956	0.9821	0.9455	0.9442	0.9552	0.8936	0.7629	-----	-----	0.926	9.50	0.993	1.00	8.5	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Naphthalene	1	0	Avg	1.4434	1.1839	1.2872	1.4781	1.4916	1.3821	1.1710	1.7217	-----	1.39	9.35	0.992	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.8

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52581.D Sam Mult : 1 Vial# : 6 Qt On : 12/28/09 09:09
Acq On : 12/28/09 08:45 Misc : S,5G Qt Upd On: 12/28/09 09:05

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.616	96	125368	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.449	117	88589	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.868	152	44592	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.172	111	31887	25.20	ug/l	0.00
Spiked Amount 30.000			Recovery = 84.00%			
32) 1,2-Dichloroethane-d4	4.399	102	5961	27.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.37%			
56) Toluene-d8	5.581	100	79739	35.10	ug/l	0.00
Spiked Amount 30.000			Recovery = 117.00%			
64) Bromofluorobenzene	7.149	174	42296	32.85	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.50%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.376	51	59032	14.28	ug/l	1
3) Dichlorodifluoromethane	1.376	85	28768	14.82	ug/l	99
4) Chloromethane	1.510	50	28631	14.30	ug/l	97
5) Bromomethane	1.829	94	12977	14.72	ug/l	93
6) Vinyl Chloride	1.577	62	23452	14.57	ug/l	96
7) Chloroethane	1.896	64	13794	14.91	ug/l	97
8) Trichlorofluoromethane	2.097	101	54747	15.73	ug/l	98
9) 1,1,2-Trichloro-1,2,2-...	2.477	101	28985	15.43	ug/l	94
10) Methylene Chloride	2.822	84	30381	16.54	ug/l	99
11) Acrolein	2.388	56	19101	85.68	ug/l	99
12) Acrylonitrile	2.999	53	6141	14.58	ug/l	91
13) Iodomethane	2.595	142	41607	15.13	ug/l	71
14) Acetone	2.497	43	30025	87.46	ug/l	95
15) Carbon Disulfide	2.654	76	96328	15.47	ug/l	100
16) t-Butyl Alcohol	2.891	59	4350	79.46	ug/l	84
17) n-Hexane	3.265	57	47400	14.90	ug/l	90
18) Di-isopropyl-ether	3.423	45	118415	17.13	ug/l	88
19) 1,1-Dichloroethene	2.477	61	57035	15.73	ug/l	96
20) Methyl Acetate	2.743	43	18577	17.28	ug/l	100
21) Methyl-t-butyl ether	3.049	73	47577	17.28	ug/l	71
22) 1,1-Dichloroethane	3.374	63	64577	16.03	ug/l	98
23) trans-1,2-Dichloroethene	3.049	96	29336	16.67	ug/l	79
24) cis-1,2-Dichloroethene	3.837	61	62972	17.04	ug/l	89
25) Bromochloromethane	4.005	49	28961	16.63	ug/l	68
26) 2,2-Dichloropropane	3.847	77	42297	15.92	ug/l	90
27) 1,4-Dioxane	5.049	88	8925	867.01	ug/l	68
28) 1,1-Dichloropropene	4.310	75	51159	15.95	ug/l	96
29) Chloroform	4.064	83	59076	16.56	ug/l	95
31) Cyclohexane	4.251	56	68033	15.86	ug/l	87
33) 1,2-Dichloroethane	4.448	62	48252	17.39	ug/l	94
34) 2-Butanone	3.837	43	9665	16.88	ug/l	99
35) 1,1,1-Trichloroethane	4.202	97	49016	16.42	ug/l	93
36) Carbon Tetrachloride	4.320	117	44248	16.76	ug/l	95
37) Vinyl Acetate	3.423	43	97789	16.92	ug/l	100
38) Bromodichloromethane	5.138	83	48236	16.78	ug/l	97
39) Methylcyclohexane	4.980	83	58298	15.71	ug/l	82
40) Dibromomethane	5.049	174	19696	16.93	ug/l	93
41) 1,2-Dichloropropane	4.980	63	35938	16.86	ug/l	89
42) Trichloroethene	4.842	130	33609	16.12	ug/l	89
43) Benzene	4.448	78	119268	15.61	ug/l	100
44) tert-Amyl methyl ether	4.507	73	47261	17.83	ug/l	97
46) Dibromochloromethane	6.094	129	29356	23.75	ug/l	97
47) 2-Chloroethylvinylether	5.305	63	13358	23.61	ug/l	89
48) cis-1,3-Dichloropropene	5.404	75	48527	23.03	ug/l	97
49) trans-1,3-Dichloropropene	5.729	75	40917	23.47	ug/l	98
50) 1,1,2-Trichloroethane	5.848	97	21427	24.50	ug/l	94
51) 1,2-Dibromoethane	6.173	107	21431	23.05	ug/l	96
52) 1,3-Dichloropropane	5.946	76	42445	24.36	ug/l	94
53) 4-Methyl-2-Pentanone	5.483	43	19774	23.45	ug/l	99
54) 2-Hexanone	5.976	43	13349	23.33	ug/l	99
55) Tetrachloroethene	5.956	164	32277	21.75	ug/l	98
57) Toluene	5.621	92	77331	22.11	ug/l	99
58) 1,1,1,2-Tetrachloroethane	6.508	133	28288	24.82	ug/l	98
59) Chlorobenzene	6.468	112	82653	22.27	ug/l	98
61) Bromoform	6.961	173	18177	27.50	ug/l	91
62) Ethylbenzene	6.518	106	36080	26.86	ug/l	95
63) 1,1,2,2-Tetrachloroethane	7.208	83	19998	26.23	ug/l	94
65) Styrene	6.833	104	83013	27.32	ug/l	82
66) m&p-Xylenes	6.587	106	106714	49.87	ug/l	93

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB
Data File: 1M52581.D
Acq On : 12/28/09 08:45

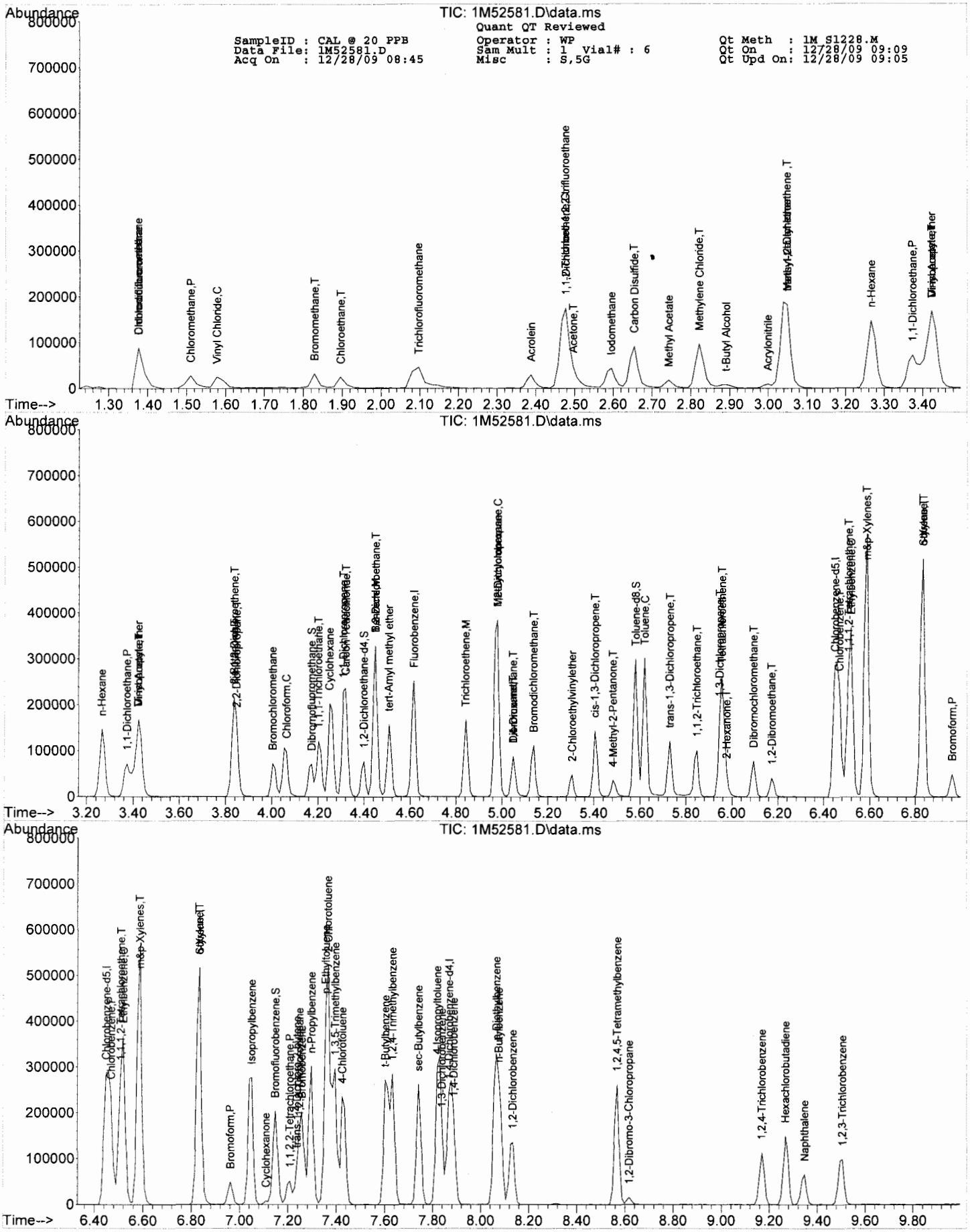
Operator : WP
Sam Mult : 1 Vial# : 6
Misc : S,5G

Qt Meth : 1M_S1228.M
Qt On : 12/28/09 09:09
Qt Upd On: 12/28/09 09:05

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) o-Xylene	6.833	106	51833	27.91 ug/l	82
68) trans-1,4-Dichloro-2-b...	7.237	53	9445	26.60 ug/l	73
69) 1,3-Dichlorobenzene	7.838	146	55984	24.56 ug/l	92
70) 1,4-Dichlorobenzene	7.888	146	55643	25.41 ug/l	91
71) 1,2-Dichlorobenzene	8.134	146	46352	24.81 ug/l	91
72) Isopropylbenzene	7.050	105	140974	28.06 ug/l	97
73) Cyclohexanone	7.109	55	2967m	122.50 ug/l	
74) 1,2,3-Trichloropropane	7.247	75	31615	28.26 ug/l	90
75) 2-Chlorotoluene	7.365	91	94016	26.15 ug/l	94
76) p-Ethyltoluene	7.355	105	161455	25.46 ug/l	91
77) 4-Chlorotoluene	7.424	91	80552	25.61 ug/l	95
78) n-Propylbenzene	7.296	91	172641	27.50 ug/l	98
79) Bromobenzene	7.257	77	85007	27.59 ug/l	84
80) 1,3,5-Trimethylbenzene	7.395	105	118743m	28.11 ug/l	
81) t-Butylbenzene	7.602	119	108846	28.02 ug/l	87
82) 1,2,4-Trimethylbenzene	7.631	105	117888	27.81 ug/l	95
83) sec-Butylbenzene	7.740	105	128760	25.23 ug/l	97
84) 4-Isopropyltoluene	7.819	119	100247	24.31 ug/l	93
85) n-Butylbenzene	8.075	91	133836	25.30 ug/l	98
86) p-Diethylbenzene	8.065	119	73477	22.90 ug/l	94
87) 1,2,4,5-Tetramethylben...	8.568	119	110290	23.66 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	8.617	157	3161	23.59 ug/l	60
89) Hexachlorobutadiene	9.268	225	30257	22.49 ug/l	99
90) 1,2,4-Trichlorobenzene	9.169	180	31120	21.90 ug/l	98
91) 1,2,3-Trichlorobenzene	9.504	180	29598	22.55 ug/l	92
92) Naphthalene	9.346	128	42910	23.52 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 1M52581.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 1M52581.D
Acq On : 12/28/09 08:45
Operator : WP
Sam Mult : 1 Vial# : 6
Misc : S,5G
Qt Meth : 1M_S1228.M
Qt On : 12/28/09 09:09
Qt Upd On: 12/28/09 09:05
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52583.D Sam Mult : 1 Vial# : 8 Qt On : 12/28/09 09:29
Acq On : 12/28/09 09:18 Misc : S,5G Qt Upd On: 12/28/09 09:05

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.616	96	119440	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.449	117	82328	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.868	152	48903	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.172	111	31560	26.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 87.27%			
32) 1,2-Dichloroethane-d4	4.399	102	6605	32.23	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.43%			
56) Toluene-d8	5.582	100	73815	34.97	ug/l	0.00
Spiked Amount 30.000			Recovery = 116.57%			
64) Bromofluorobenzene	7.149	174	40888	28.96	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.53%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.382	51	16586	4.21	ug/l	1
3) Dichlorodifluoromethane	1.382	85	5449	2.95	ug/l	97
4) Chloromethane	1.499	50	8486	4.45	ug/l	91
5) Bromomethane	1.834	94	3682	4.38	ug/l	79
6) Vinyl Chloride	1.583	62	7228	4.72	ug/l	96
7) Chloroethane	1.901	64	3855	4.37	ug/l	100
8) Trichlorofluoromethane	2.086	101	12584	3.80	ug/l	92
9) 1,1,2-Trichloro-1,2,2-...	2.477	101	7528	4.21	ug/l	87
10) Methylene Chloride	2.822	84	8103	4.63	ug/l	94
11) Acrolein	2.388	56	4469	21.04	ug/l	96
12) Acrylonitrile	2.999	53	1905	4.75	ug/l	69
13) Iodomethane	2.595	142	11252	4.29	ug/l	66
14) Acetone	2.497	43	8401	25.69	ug/l	95
15) Carbon Disulfide	2.654	76	23652	3.99	ug/l	100
16) t-Butyl Alcohol	2.891	59	964m	18.48	ug/l	
17) n-Hexane	3.265	57	8981	2.96	ug/l	92
18) Di-isopropyl-ether	3.423	45	26767	4.06	ug/l	87
19) 1,1-Dichloroethene	2.477	61	13372	3.87	ug/l	93
20) Methyl Acetate	2.743	43	4581	4.47	ug/l	100
21) Methyl-t-butyl ether	3.039	73	10662	4.07	ug/l	64
22) 1,1-Dichloroethane	3.374	63	16026	4.18	ug/l	93
23) trans-1,2-Dichloroethene	3.039	96	7267	4.33	ug/l	75
24) cis-1,2-Dichloroethene	3.837	61	15839	4.50	ug/l	87
25) Bromochloromethane	4.005	49	8024	4.84	ug/l	73
26) 2,2-Dichloropropane	3.847	77	9876	3.90	ug/l	88
27) 1,4-Dioxane	5.059	88	1791	182.62	ug/l	88
28) 1,1-Dichloropropene	4.310	75	12110	3.96	ug/l	92
29) Chloroform	4.064	83	15213	4.48	ug/l	100
31) Cyclohexane	4.251	56	13507	3.31	ug/l	89
33) 1,2-Dichloroethane	4.448	62	13431	5.08	ug/l	98
34) 2-Butanone	3.837	43	2634	4.83	ug/l	86
35) 1,1,1-Trichloroethane	4.212	97	11899	4.18	ug/l	91
36) Carbon Tetrachloride	4.320	117	10681	4.25	ug/l	83
37) Vinyl Acetate	3.423	43	24228	4.40	ug/l	100
38) Bromodichloromethane	5.138	83	12002	4.38	ug/l	90
39) Methylcyclohexane	4.980	83	11610	3.28	ug/l	79
40) Dibromomethane	5.049	174	5281	4.76	ug/l	97
41) 1,2-Dichloropropane	4.980	63	8599	4.23	ug/l	81
42) Trichloroethene	4.842	130	8411	4.23	ug/l	81
43) Benzene	4.448	78	31860	4.38	ug/l	100
44) tert-Amyl methyl ether	4.507	73	10864	4.30	ug/l	94
46) Dibromochloromethane	6.094	129	7817	6.81	ug/l	94
47) 2-Chloroethylvinylether	5.306	63	2593	4.93	ug/l	85
48) cis-1,3-Dichloropropene	5.404	75	11456	5.85	ug/l	94
49) trans-1,3-Dichloropropene	5.729	75	9154	5.65	ug/l	82
50) 1,1,2-Trichloroethane	5.848	97	5385	6.63	ug/l	99
51) 1,2-Dibromoethane	6.173	107	5377	6.22	ug/l	89
52) 1,3-Dichloropropane	5.946	76	11091	6.85	ug/l	86
53) 4-Methyl-2-Pentanone	5.483	43	3930	5.01	ug/l	98
54) 2-Hexanone	5.976	43	2894	5.44	ug/l	99
55) Tetrachloroethene	5.956	164	7644	5.54	ug/l	91
57) Toluene	5.621	92	19755	6.08	ug/l	98
58) 1,1,1,2-Tetrachloroethane	6.508	133	7705	7.27	ug/l	87
59) Chlorobenzene	6.469	112	21286	6.17	ug/l	96
61) Bromoform	6.961	173	5007	6.91	ug/l	79
62) Ethylbenzene	6.518	106	9160	6.22	ug/l	99
63) 1,1,2,2-Tetrachloroethane	7.208	83	5184	6.20	ug/l	98
65) Styrene	6.833	104	19500	5.85	ug/l	87
66) m&p-Xylenes	6.587	106	25625	10.92	ug/l	90

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB
Data File: 1M52583.D
Acq On : 12/28/09 09:18

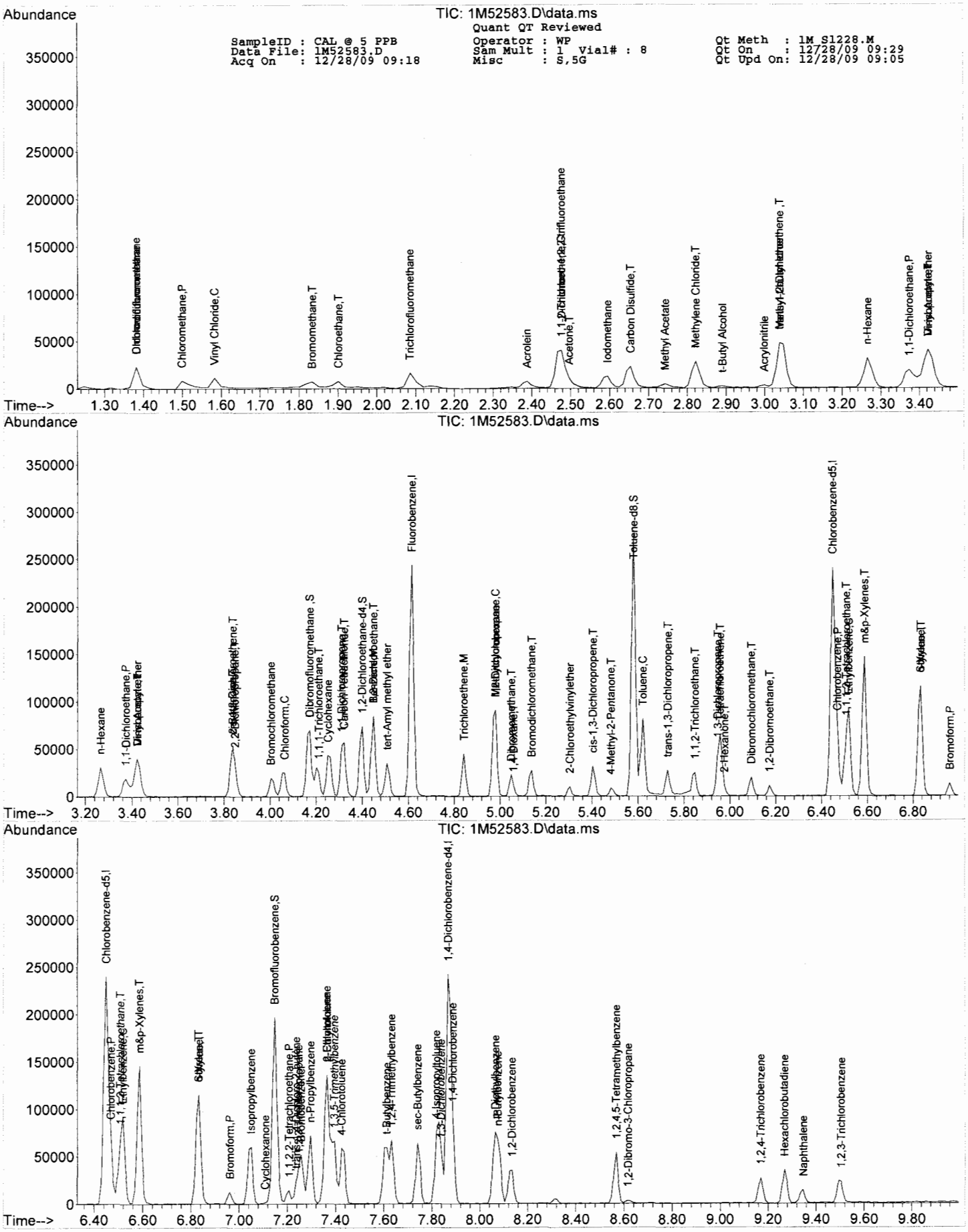
Operator : WP
Sam Mult : 1 Vial# : 8
Misc : S,5G

Qt Meth : 1M_S1228.M
Qt On : 12/28/09 09:29
Qt Upd On: 12/28/09 09:05

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) o-Xylene	6.833	106	12124	5.95 ug/l	59
68) trans-1,4-Dichloro-2-b...	7.237	53	2348m	6.03 ug/l	
69) 1,3-Dichlorobenzene	7.839	146	16877	6.75 ug/l	93
70) 1,4-Dichlorobenzene	7.888	146	18153	7.56 ug/l	79
71) 1,2-Dichlorobenzene	8.134	146	12554	6.13 ug/l	91
72) Isopropylbenzene	7.050	105	30319	5.50 ug/l	96
73) Cyclohexanone	7.109	55	582m	21.91 ug/l	
74) 1,2,3-Trichloropropane	7.247	75	8313	6.78 ug/l	91
75) 2-Chlorotoluene	7.365	91	24064	6.10 ug/l	91
76) p-Ethyltoluene	7.365	105	37919	5.45 ug/l	98
77) 4-Chlorotoluene	7.425	91	21200	6.15 ug/l	94
78) n-Propylbenzene	7.297	91	38541	5.60 ug/l	98
79) Bromobenzene	7.257	77	21946	6.49 ug/l	83
80) 1,3,5-Trimethylbenzene	7.395	105	28694m	6.19 ug/l	
81) t-Butylbenzene	7.612	119	24914	5.85 ug/l	87
82) 1,2,4-Trimethylbenzene	7.632	105	28668	6.17 ug/l	94
83) sec-Butylbenzene	7.740	105	31102	5.56 ug/l	100
84) 4-Isopropyltoluene	7.819	119	24291	5.37 ug/l	90
85) n-Butylbenzene	8.075	91	30746	5.30 ug/l	95
86) p-Diethylbenzene	8.065	119	15641	4.44 ug/l	93
87) 1,2,4,5-Tetramethylben...	8.568	119	23033	4.51 ug/l	95
88) 1,2-Dibromo-3-Chloropr...	8.617	157	785m	5.34 ug/l	
89) Hexachlorobutadiene	9.268	225	7567	5.13 ug/l	93
90) 1,2,4-Trichlorobenzene	9.169	180	7917	5.08 ug/l	99
91) 1,2,3-Trichlorobenzene	9.504	180	8005	5.56 ug/l	94
92) Naphthalene	9.347	128	9650	4.82 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M52583.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 1M52583.D
Acq On : 12/28/09 09:18
Operator : WP
Sam Mult : 1 Vial# : 8
Misc : S,5G
Qt Meth : 1M_S1228.M
Qt On : 12/28/09 09:29
Qt Upd On: 12/28/09 09:05
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Time-->
Abundance
TIC: 1M52583.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Time-->
Abundance
TIC: 1M52583.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Bromoform,P
Isopropylbenzene
Cyclohexanone
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

0068

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52582.D Sam Mult : 1 Vial# : 7 Qt On : 12/28/09 09:13
Acq On : 12/28/09 09:02 Misc : S,5G Qt Upd On: 12/28/09 09:05

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.615	96	119452	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.448	117	84420	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.877	152	43656	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.171	111	32545	26.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 89.97%			
32) 1,2-Dichloroethane-d4	4.398	102	6033	29.44	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.13%			
56) Toluene-d8	5.581	100	77180	35.65	ug/l	0.00
Spiked Amount 30.000			Recovery = 118.83%			
64) Bromofluorobenzene	7.157	174	36093	28.63	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.43%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.378	51	30687	7.79	ug/l	1
3) Dichlorodifluoromethane	1.378	85	14425	7.80	ug/l	96
4) Chloromethane	1.512	50	14706	7.71	ug/l	98
5) Bromomethane	1.830	94	7267	8.65	ug/l	100
6) Vinyl Chloride	1.579	62	12864	8.39	ug/l	97
7) Chloroethane	1.897	64	7759	8.80	ug/l	92
8) Trichlorofluoromethane	2.098	101	24898	7.51	ug/l	93
9) 1,1,2-Trichloro-1,2,2-...	2.476	101	14955	8.35	ug/l	90
10) Methylene Chloride	2.821	84	15265	8.72	ug/l	87
11) Acrolein	2.387	56	8760	41.24	ug/l	95
12) Acrylonitrile	2.998	53	3394	8.46	ug/l	85
13) Iodomethane	2.594	142	22258	8.49	ug/l	74
14) Acetone	2.496	43	15164	46.36	ug/l	98
15) Carbon Disulfide	2.653	76	50090	8.44	ug/l	100
16) t-Butyl Alcohol	2.890	59	2410	46.20	ug/l	82
17) n-Hexane	3.264	57	21579	7.12	ug/l	93
18) Di-isopropyl-ether	3.422	45	57939	8.79	ug/l	86
19) 1,1-Dichloroethene	2.476	61	29126	8.43	ug/l	92
20) Methyl Acetate	2.742	43	9665	9.44	ug/l	100
21) Methyl-t-butyl ether	3.048	73	23953	9.13	ug/l	74
22) 1,1-Dichloroethane	3.373	63	34010	8.86	ug/l	96
23) trans-1,2-Dichloroethene	3.048	96	15269	9.10	ug/l	72
24) cis-1,2-Dichloroethene	3.836	61	31088	8.83	ug/l	93
25) Bromochloromethane	4.013	49	15548	9.37	ug/l	79
26) 2,2-Dichloropropane	3.846	77	21301	8.42	ug/l	94
27) 1,4-Dioxane	5.058	88	3802	387.63	ug/l	80
28) 1,1-Dichloropropene	4.319	75	24968	8.17	ug/l	95
29) Chloroform	4.063	83	30674	9.02	ug/l	99
31) Cyclohexane	4.260	56	30288	7.41	ug/l	88
33) 1,2-Dichloroethane	4.447	62	25969	9.83	ug/l	100
34) 2-Butanone	3.836	43	5208	9.55	ug/l	93
35) 1,1,1-Trichloroethane	4.211	97	24513	8.62	ug/l	96
36) Carbon Tetrachloride	4.329	117	22328	8.88	ug/l	96
37) Vinyl Acetate	3.422	43	49927	9.07	ug/l	100
38) Bromodichloromethane	5.137	83	25303	9.24	ug/l	98
39) Methylcyclohexane	4.979	83	26689	7.55	ug/l	82
40) Dibromomethane	5.058	174	10600	9.56	ug/l	93
41) 1,2-Dichloropropane	4.979	63	18566	9.14	ug/l	95
42) Trichloroethene	4.851	130	16885	8.50	ug/l	94
43) Benzene	4.447	78	63252	8.69	ug/l	100
44) tert-Amyl methyl ether	4.506	73	23415	9.27	ug/l	94
46) Dibromochloromethane	6.093	129	14518	12.33	ug/l	98
47) 2-Chloroethylvinylether	5.305	63	5571	10.33	ug/l	89
48) cis-1,3-Dichloropropene	5.413	75	22326	11.12	ug/l	99
49) trans-1,3-Dichloropropene	5.728	75	19384	11.67	ug/l	97
50) 1,1,2-Trichloroethane	5.847	97	11709	14.05	ug/l	97
51) 1,2-Dibromoethane	6.182	107	11165	12.60	ug/l	95
52) 1,3-Dichloropropane	5.955	76	21029	12.67	ug/l	99
53) 4-Methyl-2-Pentanone	5.492	43	9451	11.76	ug/l	97
54) 2-Hexanone	5.985	43	6343	11.63	ug/l	96
55) Tetrachloroethene	5.965	164	15061	10.65	ug/l	93
57) Toluene	5.620	92	39464	11.84	ug/l	97
58) 1,1,1,2-Tetrachloroethane	6.507	133	14372	13.23	ug/l	91
59) Chlorobenzene	6.468	112	42141	11.91	ug/l	100
61) Bromoform	6.970	173	8789	13.58	ug/l	89
62) Ethylbenzene	6.527	106	14177	10.78	ug/l	87
63) 1,1,2,2-Tetrachloroethane	7.207	83	9862	13.21	ug/l	87
65) Styrene	6.832	104	39505	13.28	ug/l	82
66) m&p-Xylenes	6.586	106	52344	24.99	ug/l	86

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB
Data File: 1M52582.D
Acq On : 12/28/09 09:02

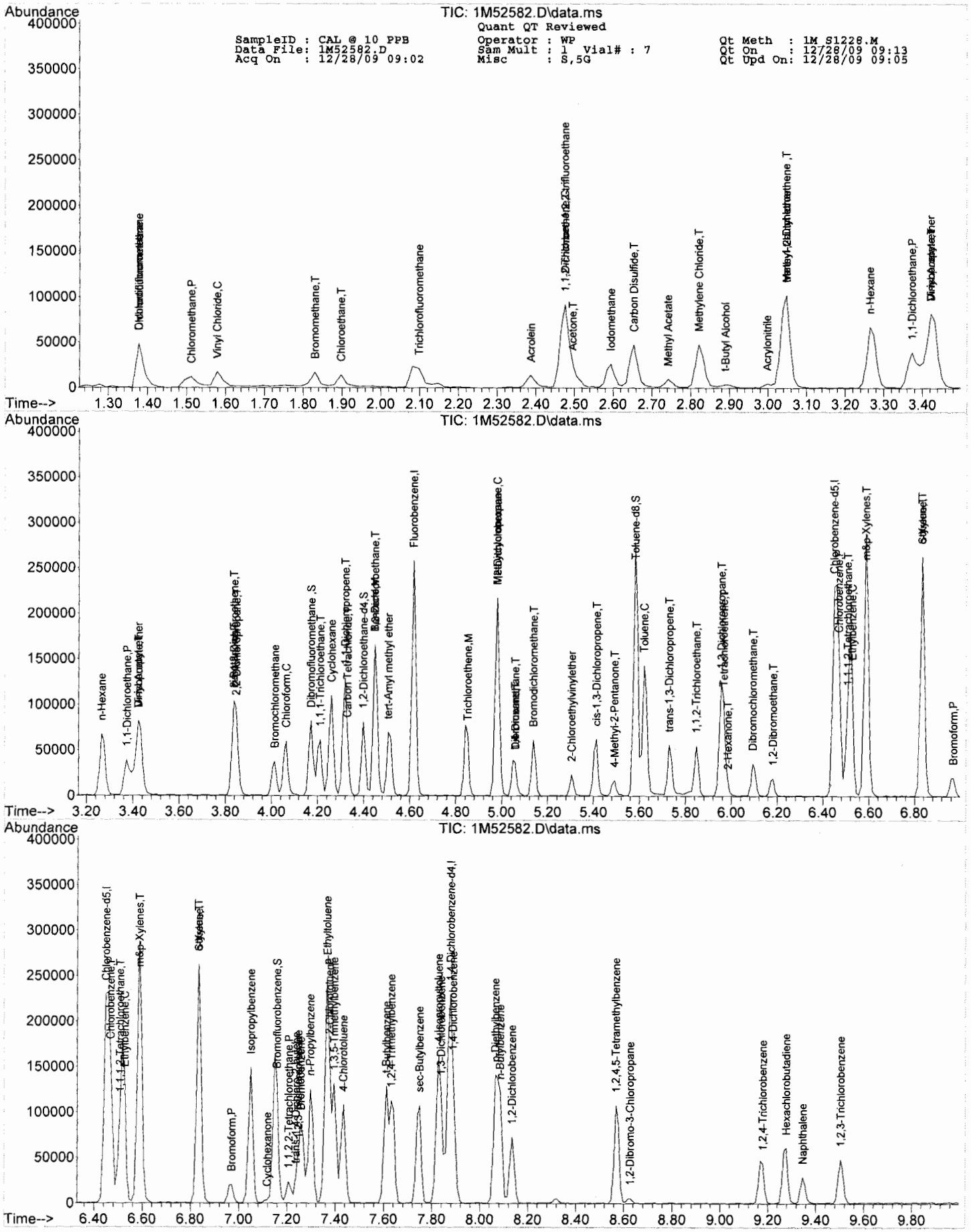
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : S,5G

Qt Meth : 1M_S1228.M
Qt On : 12/28/09 09:13
Qt Upd On: 12/28/09 09:05

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67)	o-Xylene	6.832	106	25303	13.92 ug/l	86
68)	trans-1,4-Dichloro-2-b...	7.236	53	4326	12.44 ug/l	64
69)	1,3-Dichlorobenzene	7.838	146	26759	11.99 ug/l	90
70)	1,4-Dichlorobenzene	7.887	146	26949	12.57 ug/l	84
71)	1,2-Dichlorobenzene	8.133	146	23441	12.82 ug/l	94
72)	Isopropylbenzene	7.049	105	63984	13.01 ug/l	97
73)	Cyclohexanone	7.118	55	1107m	46.69 ug/l	
74)	1,2,3-Trichloropropane	7.246	75	13438	12.27 ug/l	95
75)	2-Chlorotoluene	7.374	91	37272	10.59 ug/l	92
76)	p-Ethyltoluene	7.364	105	76476	12.32 ug/l	98
77)	4-Chlorotoluene	7.433	91	38096	12.37 ug/l	96
78)	n-Propylbenzene	7.295	91	74907	12.19 ug/l	98
79)	Bromobenzene	7.256	77	39396	13.06 ug/l	81
80)	1,3,5-Trimethylbenzene	7.394	105	42462m	10.27 ug/l	
81)	t-Butylbenzene	7.611	119	44057	11.59 ug/l	83
82)	1,2,4-Trimethylbenzene	7.631	105	49718	11.98 ug/l	96
83)	sec-Butylbenzene	7.749	105	57563	11.52 ug/l	99
84)	4-Isopropyltoluene	7.828	119	46670	11.56 ug/l	92
85)	n-Butylbenzene	8.084	91	60568	11.69 ug/l	98
86)	p-Diethylbenzene	8.064	119	32647	10.39 ug/l	96
87)	1,2,4,5-Tetramethylben...	8.567	119	47987	10.52 ug/l	97
88)	1,2-Dibromo-3-Chloropr...	8.626	157	1445	11.01 ug/l	61
89)	Hexachlorobutadiene	9.276	225	13550	10.29 ug/l	97
90)	1,2,4-Trichlorobenzene	9.178	180	13579	9.76 ug/l	94
91)	1,2,3-Trichlorobenzene	9.503	180	13759	10.71 ug/l	93
92)	Naphthalene	9.345	128	18732	10.49 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 10 PPB
Data File: 1M52582.D
Acq On : 12/28/09 09:02
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : S,5G
Qt Meth : 1M_S1228.M
Qt On : 12/28/09 09:13
Qt Upd On: 12/28/09 09:05
Abundance
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
TIC: 1M52582.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Bromoform,P
TIC: 1M52582.D\data.ms
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
Chlorobenzene-d5,I
m&p-Xylenes,T
4-Chlorotoluene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB
Data File: 1M52580.D
Acq On : 12/28/09 08:29

Operator : WP
Sam Mult : 1 Vial# : 5
Misc : S,5G

Qt Meth : 1M_S1228.M
Qt On : 12/28/09 09:07
Qt Upd On: 12/28/09 09:05

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.616	96	120502	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.449	117	89506	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.868	152	44827	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.163	111	32786	26.96	ug/l	0.00
Spiked Amount 30.000			Recovery = 89.87%			
32) 1,2-Dichloroethane-d4	4.399	102	6257	30.26	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.87%			
56) Toluene-d8	5.582	100	81912	35.69	ug/l	0.00
Spiked Amount 30.000			Recovery = 118.97%			
64) Bromofluorobenzene	7.149	174	37445	28.93	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.43%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.379	51	158803	39.96	ug/l	1
3) Dichlorodifluoromethane	1.379	85	65859	35.30	ug/l	94
4) Chloromethane	1.497	50	75215	39.08	ug/l	99
5) Bromomethane	1.832	94	30541	36.05	ug/l	98
6) Vinyl Chloride	1.580	62	66338	42.89	ug/l	95
7) Chloroethane	1.899	64	34232	38.49	ug/l	98
8) Trichlorofluoromethane	2.083	101	131754	39.39	ug/l	98
9) 1,1,2-Trichloro-1,2,2-...	2.467	101	69433	38.44	ug/l	95
10) Methylene Chloride	2.822	84	70755	40.08	ug/l	90
11) Acrolein	2.389	56	45410	211.91	ug/l	91
12) Acrylonitrile	3.000	53	18876	46.63	ug/l	91
13) Iodomethane	2.596	142	109042	41.25	ug/l	72
14) Acetone	2.497	43	70934	214.97	ug/l	93
15) Carbon Disulfide	2.655	76	235036	39.27	ug/l	100
16) t-Butyl Alcohol	2.891	59	11095	210.86	ug/l	80
17) n-Hexane	3.266	57	119698	39.14	ug/l	90
18) Di-isopropyl-ether	3.424	45	293758	44.20	ug/l	89
19) 1,1-Dichloroethene	2.477	61	142592	40.91	ug/l	96
20) Methyl Acetate	2.743	43	45032	43.59	ug/l	100
21) Methyl-t-butyl ether	3.039	73	117027	44.23	ug/l	73
22) 1,1-Dichloroethane	3.374	63	157207	40.61	ug/l	99
23) trans-1,2-Dichloroethene	3.039	96	71662	42.35	ug/l	95
24) cis-1,2-Dichloroethene	3.837	61	157477	44.34	ug/l	90
25) Bromochloromethane	4.005	49	69670	41.63	ug/l	71
26) 2,2-Dichloropropane	3.847	77	108509	42.50	ug/l	91
27) 1,4-Dioxane	5.050	88	21837	2207.00	ug/l	62
28) 1,1-Dichloropropene	4.311	75	122276	39.66	ug/l	97
29) Chloroform	4.054	83	142066	41.43	ug/l	100
31) Cyclohexane	4.251	56	171845	41.69	ug/l	86
33) 1,2-Dichloroethane	4.449	62	112610	42.23	ug/l	97
34) 2-Butanone	3.828	43	25108	45.62	ug/l	91
35) 1,1,1-Trichloroethane	4.202	97	118098	41.16	ug/l	98
36) Carbon Tetrachloride	4.320	117	105598	41.61	ug/l	89
37) Vinyl Acetate	3.424	43	240404	43.27	ug/l	100
38) Bromodichloromethane	5.138	83	116698	42.23	ug/l	94
39) Methylcyclohexane	4.981	83	142175	39.86	ug/l	82
40) Dibromomethane	5.050	174	47838	42.77	ug/l	95
41) 1,2-Dichloropropane	4.971	63	84574	41.27	ug/l	89
42) Trichloroethene	4.843	130	81204	40.53	ug/l	90
43) Benzene	4.449	78	289946	39.48	ug/l	100
44) tert-Amyl methyl ether	4.508	73	115460	45.32	ug/l	98
46) Dibromochloromethane	6.094	129	71833	57.53	ug/l	98
47) 2-Chloroethylvinylether	5.306	63	34975	61.19	ug/l	91
48) cis-1,3-Dichloropropene	5.405	75	124793	58.62	ug/l	96
49) trans-1,3-Dichloropropene	5.730	75	102895	58.40	ug/l	99
50) 1,1,2-Trichloroethane	5.848	97	52012	58.87	ug/l	97
51) 1,2-Dibromoethane	6.173	107	52139	55.51	ug/l	90
52) 1,3-Dichloropropane	5.947	76	99364	56.44	ug/l	96
53) 4-Methyl-2-Pentanone	5.483	43	51328	60.24	ug/l	99
54) 2-Hexanone	5.976	43	35337	61.12	ug/l	97
55) Tetrachloroethene	5.956	164	77920	51.96	ug/l	99
57) Toluene	5.621	92	185810	52.59	ug/l	96
58) 1,1,1,2-Tetrachloroethane	6.508	133	68141	59.16	ug/l	98
59) Chlorobenzene	6.469	112	196529	52.40	ug/l	99
61) Bromoform	6.962	173	38750	58.31	ug/l	97
62) Ethylbenzene	6.518	106	88040	65.19	ug/l	95
63) 1,1,2,2-Tetrachloroethane	7.208	83	44892	58.57	ug/l	91
65) Styrene	6.834	104	200300	65.58	ug/l	90
66) m&p-Xylenes	6.587	106	254695	118.41	ug/l	95

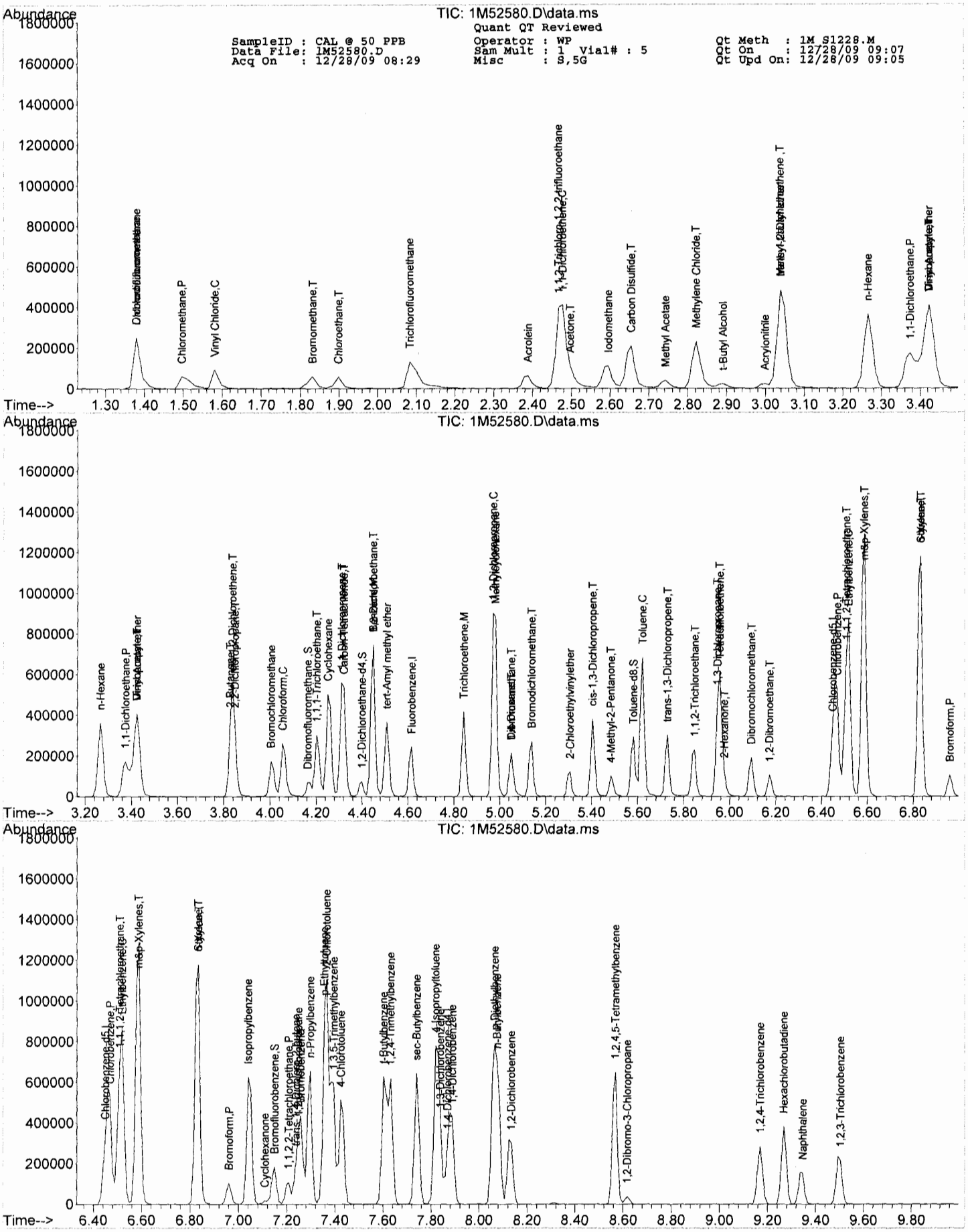
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52580.D Sam Mult : 1 Vial# : 5 Qt On : 12/28/09 09:07
Acq On : 12/28/09 08:29 Misc : S,5G Qt Upd On: 12/28/09 09:05

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67)	o-Xylene	6.834	106	122832	65.80	ug/l	83
68)	trans-1,4-Dichloro-2-b...	7.238	53	21780	61.02	ug/l	67
69)	1,3-Dichlorobenzene	7.839	146	129709	56.61	ug/l	90
70)	1,4-Dichlorobenzene	7.888	146	127662	58.00	ug/l	91
71)	1,2-Dichlorobenzene	8.135	146	110086	58.62	ug/l	91
72)	Isopropylbenzene	7.041	105	313989	62.18	ug/l	97
73)	Cyclohexanone	7.110	55	7021	288.36	ug/l	98
74)	1,2,3-Trichloropropane	7.248	75	68819	61.20	ug/l	88
75)	2-Chlorotoluene	7.366	91	199286	55.14	ug/l	94
76)	p-Ethyltoluene	7.356	105	351026	55.07	ug/l	93
77)	4-Chlorotoluene	7.425	91	176985	55.98	ug/l	94
78)	n-Propylbenzene	7.297	91	378992	60.05	ug/l	98
79)	Bromobenzene	7.257	77	187060	60.39	ug/l	82
80)	1,3,5-Trimethylbenzene	7.395	105	248156m	58.44	ug/l	
81)	t-Butylbenzene	7.602	119	243632	62.39	ug/l	88
82)	1,2,4-Trimethylbenzene	7.632	105	258149	60.57	ug/l	94
83)	sec-Butylbenzene	7.740	105	315200	61.43	ug/l	98
84)	4-Isopropyltoluene	7.819	119	248628	59.98	ug/l	93
85)	n-Butylbenzene	8.075	91	320267	60.22	ug/l	99
86)	p-Diethylbenzene	8.066	119	184544	57.20	ug/l	95
87)	1,2,4,5-Tetramethylben...	8.568	119	282837	60.37	ug/l	97
88)	1,2-Dibromo-3-Chloropr...	8.617	157	7762	57.62	ug/l	59
89)	Hexachlorobutadiene	9.268	225	74487	55.08	ug/l	97
90)	1,2,4-Trichlorobenzene	9.169	180	80202	56.15	ug/l	98
91)	1,2,3-Trichlorobenzene	9.505	180	70546	53.48	ug/l	95
92)	Naphthalene	9.347	128	110434	60.22	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 1M52580.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 1M52580.D
Acq On : 12/28/09 08:29
Operator : WP
Sam Mult : 1 Vial# : 5
Misc : S,5G
Qt Meth : 1M_S1228.M
Qt On : 12/28/09 09:07
Qt Upd On: 12/28/09 09:05
Abundance
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
TIC: 1M52580.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Bromoform,P
TIC: 1M52580.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,T
1,1,1,2-Tetrachloroethane,T
Ethylbenzene,T
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
1,3,5-Trimethylbenzene
4-Chlorotoluene
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene
4-Isopropyltoluene
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52579.D Sam Mult : 1 Vial# : 4 Qt On : 12/28/09 09:07
Acq On : 12/28/09 08:13 Misc : S,5G Qt Upd On: 12/28/09 09:05

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.614	96	118753	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.448	117	88702	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.867	152	44147	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.171	111	31798	26.53	ug/l	0.00
Spiked Amount 30.000			Recovery = 88.43%			
32) 1,2-Dichloroethane-d4	4.398	102	6117	30.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.07%			
56) Toluene-d8	5.580	100	80141	35.23	ug/l	0.00
Spiked Amount 30.000			Recovery = 117.43%			
64) Bromofluorobenzene	7.147	174	38585	30.27	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.90%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.380	51	309158	78.94	ug/l	1
3) Dichlorodifluoromethane	1.380	85	127092	69.13	ug/l	97
4) Chloromethane	1.497	50	154498	81.45	ug/l	96
5) Bromomethane	1.832	94	60726	72.73	ug/l	95
6) Vinyl Chloride	1.581	62	129837	85.19	ug/l	97
7) Chloroethane	1.899	64	65528	74.77	ug/l	94
8) Trichlorofluoromethane	2.083	101	249322	75.64	ug/l	99
9) 1,1,2-Trichloro-1,2,2-...	2.476	101	135905	76.35	ug/l	92
10) Methylene Chloride	2.821	84	135499	77.88	ug/l	89
11) Acrolein	2.387	56	88118	417.26	ug/l	95
12) Acrylonitrile	2.998	53	36476	91.43	ug/l	98
13) Iodomethane	2.594	142	205962	79.06	ug/l	73
14) Acetone	2.495	43	137496	422.84	ug/l	99
15) Carbon Disulfide	2.653	76	465239	78.88	ug/l	100
16) t-Butyl Alcohol	2.890	59	22068	425.57	ug/l	94
17) n-Hexane	3.264	57	235377	78.09	ug/l	89
18) Di-isopropyl-ether	3.422	45	557962	85.19	ug/l	87
19) 1,1-Dichloroethene	2.476	61	277267	80.72	ug/l	91
20) Methyl Acetate	2.742	43	84292	82.79	ug/l	100
21) Methyl-t-butyl ether	3.037	73	222041	85.15	ug/l	72
22) 1,1-Dichloroethane	3.373	63	310164	81.29	ug/l	98
23) trans-1,2-Dichloroethene	3.047	96	135860	81.48	ug/l	82
24) cis-1,2-Dichloroethene	3.836	61	297571	85.02	ug/l	90
25) Bromochloromethane	4.003	49	133513	80.96	ug/l	66
26) 2,2-Dichloropropane	3.846	77	209496	83.26	ug/l	91
27) 1,4-Dioxane	5.048	88	43134	4423.63	ug/l	72
28) 1,1-Dichloropropene	4.309	75	235017	77.34	ug/l	97
29) Chloroform	4.062	83	273645	80.98	ug/l	98
31) Cyclohexane	4.260	56	332309	81.80	ug/l	86
33) 1,2-Dichloroethane	4.447	62	206400	78.55	ug/l	97
34) 2-Butanone	3.836	43	47110	86.86	ug/l	93
35) 1,1,1-Trichloroethane	4.200	97	231755	81.97	ug/l	100
36) Carbon Tetrachloride	4.319	117	202516	80.98	ug/l	93
37) Vinyl Acetate	3.422	43	467656	85.42	ug/l	100
38) Bromodichloromethane	5.137	83	224524	82.45	ug/l	96
39) Methylcyclohexane	4.979	83	269218	76.59	ug/l	83
40) Dibromomethane	5.048	174	89331	81.04	ug/l	93
41) 1,2-Dichloropropane	4.979	63	159170	78.82	ug/l	92
42) Trichloroethene	4.841	130	161505	81.79	ug/l	90
43) Benzene	4.447	78	543934	75.15	ug/l	100
44) tert-Amyl methyl ether	4.506	73	223078	88.85	ug/l	97
46) Dibromochloromethane	6.093	129	135446	109.46	ug/l	99
47) 2-Chloroethylvinylether	5.304	63	70618	124.68	ug/l	90
48) cis-1,3-Dichloropropene	5.403	75	245877	116.54	ug/l	97
49) trans-1,3-Dichloropropene	5.728	75	200577	114.88	ug/l	96
50) 1,1,2-Trichloroethane	5.846	97	99192	113.29	ug/l	97
51) 1,2-Dibromoethane	6.172	107	102570	110.19	ug/l	94
52) 1,3-Dichloropropane	5.945	76	187055	107.22	ug/l	96
53) 4-Methyl-2-Pentanone	5.482	43	101942	120.73	ug/l	97
54) 2-Hexanone	5.974	43	68708	119.91	ug/l	96
55) Tetrachloroethene	5.965	164	142138	95.64	ug/l	99
57) Toluene	5.620	92	347150	99.14	ug/l	93
58) 1,1,1,2-Tetrachloroethane	6.507	133	128243	112.36	ug/l	99
59) Chlorobenzene	6.467	112	372487	100.21	ug/l	99
61) Bromoform	6.960	173	74592	113.97	ug/l	96
62) Ethylbenzene	6.517	106	152832	114.91	ug/l	88
63) 1,1,2,2-Tetrachloroethane	7.206	83	87729	116.23	ug/l	90
65) Styrene	6.832	104	342782	113.96	ug/l	87
66) m&p-Xylenes	6.586	106	457719	216.08	ug/l	95

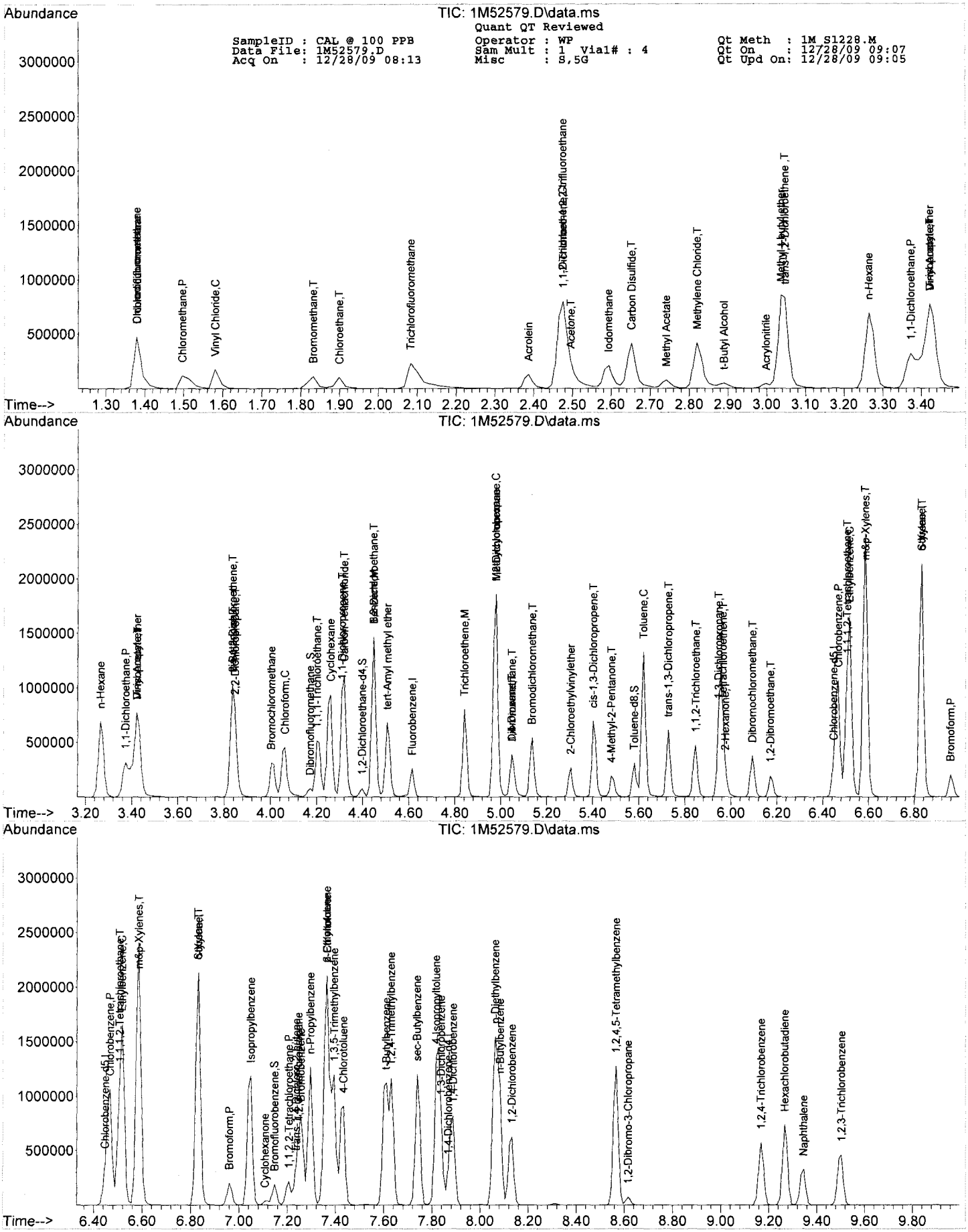
Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52579.D Sam Mult : 1 Vial# : 4 Qt On : 12/28/09 09:07
Acq On : 12/28/09 08:13 Misc : S,5G Qt Upd On: 12/28/09 09:05

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67)	o-Xylene	6.832	106	209504	113.96	ug/l	87
68)	trans-1,4-Dichloro-2-b...	7.236	53	42357	120.50	ug/l	66
69)	1,3-Dichlorobenzene	7.837	146	240406	106.54	ug/l	90
70)	1,4-Dichlorobenzene	7.887	146	246077	113.52	ug/l	93
71)	1,2-Dichlorobenzene	8.133	146	209549	113.31	ug/l	90
72)	Isopropylbenzene	7.049	105	597006	120.04	ug/l	96
73)	Cyclohexanone	7.108	55	14904	621.56	ug/l	98
74)	1,2,3-Trichloropropane	7.246	75	133078	120.18	ug/l	87
75)	2-Chlorotoluene	7.364	91	353072	99.20	ug/l	92
76)	p-Ethyltoluene	7.364	105	623238	99.28	ug/l	98
77)	4-Chlorotoluene	7.433	91	314648	101.06	ug/l	96
78)	n-Propylbenzene	7.295	91	716019	115.20	ug/l	99
79)	Bromobenzene	7.256	77	347700	113.97	ug/l	82
80)	1,3,5-Trimethylbenzene	7.394	105	472955m	113.10	ug/l	
81)	t-Butylbenzene	7.611	119	456307	118.66	ug/l	87
82)	1,2,4-Trimethylbenzene	7.630	105	484272	115.38	ug/l	94
83)	sec-Butylbenzene	7.739	105	610087	120.73	ug/l	97
84)	4-Isopropyltoluene	7.818	119	476558	116.74	ug/l	92
85)	n-Butylbenzene	8.084	91	620853	118.54	ug/l	99
86)	p-Diethylbenzene	8.064	119	352470	110.94	ug/l	94
87)	1,2,4,5-Tetramethylben...	8.567	119	554818	120.24	ug/l	97
88)	1,2-Dibromo-3-Chloropr...	8.616	157	16072	121.15	ug/l	77
89)	Hexachlorobutadiene	9.266	225	146470	109.97	ug/l	98
90)	1,2,4-Trichlorobenzene	9.168	180	155256	110.37	ug/l	96
91)	1,2,3-Trichlorobenzene	9.503	180	140570	108.20	ug/l	96
92)	Naphthalene	9.345	128	219504	121.54	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M52579.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 1M52579.D
Acq On : 12/28/09 08:13
Operator : WP
Sam Mult : 1 Vial# : 4
Misc : S,5G
Qt Meth : 1M_S1228.M
Qt On : 12/28/09 09:07
Qt Upd On: 12/28/09 09:05
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromoform,P
Chlorobenzene,P
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
4-Chlorotoluene
sec-Butylbenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52578.D Sam Mult : 1 Vial# : 3 Qt On : 12/28/09 09:06
Acq On : 12/28/09 07:57 Misc : S,5G Qt Upd On: 12/28/09 09:05

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.615	96	117568	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.448	117	87880	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.867	152	40963	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.172	111	30852	26.00	ug/l	0.00
Spiked Amount 30.000			Recovery = 86.67%			
32) 1,2-Dichloroethane-d4	4.398	102	5988	29.69	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.97%			
56) Toluene-d8	5.581	100	77327	34.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 114.37%			
64) Bromofluorobenzene	7.148	174	37009	31.29	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.30%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.376	51	693499	178.85	ug/l	1
3) Dichlorodifluoromethane	1.376	85	336249	184.75	ug/l	95
4) Chloromethane	1.510	50	320217	170.53	ug/l	100
5) Bromomethane	1.828	94	136547	165.19	ug/l	96
6) Vinyl Chloride	1.577	62	258286	171.17	ug/l	99
7) Chloroethane	1.895	64	152617	175.90	ug/l	97
8) Trichlorofluoromethane	2.096	101	507115	155.40	ug/l	98
9) 1,1,2-Trichloro-1,2,2-...	2.466	101	288690	163.83	ug/l	92
10) Methylene Chloride	2.821	84	297797	172.90	ug/l	93
11) Acrolein	2.388	56	202550	968.79	ug/l	98
12) Acrylonitrile	2.999	53	81960	207.50	ug/l	99
13) Iodomethane	2.595	142	468550	181.68	ug/l	75
14) Acetone	2.496	43	294581	915.05	ug/l	100
15) Carbon Disulfide	2.654	76	1018448	174.41	ug/l	100
16) t-Butyl Alcohol	2.890	59	53482	1041.76	ug/l	89
17) n-Hexane	3.265	57	531228	178.02	ug/l	91
18) Di-isopropyl-ether	3.422	45	1228340	189.43	ug/l	85
19) 1,1-Dichloroethene	2.476	61	608695	178.99	ug/l	92
20) Methyl Acetate	2.742	43	192811	191.28	ug/l	100
21) Methyl-t-butyl ether	3.038	73	494688	191.63	ug/l	74
22) 1,1-Dichloroethane	3.373	63	689215	182.47	ug/l	100
23) trans-1,2-Dichloroethene	3.048	96	291299	176.46	ug/l	86
24) cis-1,2-Dichloroethene	3.836	61	639813	184.66	ug/l	88
25) Bromochloromethane	4.004	49	301196	184.47	ug/l	65
26) 2,2-Dichloropropane	3.846	77	466593	187.31	ug/l	92
27) 1,4-Dioxane	5.049	88	92725	9605.30	ug/l	60
28) 1,1-Dichloropropene	4.310	75	485463	161.37	ug/l	96
29) Chloroform	4.063	83	603016	180.25	ug/l	99
31) Cyclohexane	4.260	56	726980	180.75	ug/l	87
33) 1,2-Dichloroethane	4.447	62	423974	162.98	ug/l	97
34) 2-Butanone	3.836	43	100389	186.96	ug/l	91
35) 1,1,1-Trichloroethane	4.201	97	501900	179.30	ug/l	97
36) Carbon Tetrachloride	4.319	117	422076	170.47	ug/l	90
37) Vinyl Acetate	3.422	43	1054632	194.56	ug/l	100
38) Bromodichloromethane	5.137	83	481297	178.52	ug/l	94
39) Methylcyclohexane	4.980	83	557206	160.11	ug/l	85
40) Dibromomethane	5.049	174	187592	171.90	ug/l	95
41) 1,2-Dichloropropane	4.980	63	323824	161.97	ug/l	90
42) Trichloroethene	4.842	130	333056	170.36	ug/l	87
43) Benzene	4.447	78	1100229	153.54	ug/l	100
44) tert-Amyl methyl ether	4.507	73	482461	194.09	ug/l	95
46) Dibromochloromethane	6.093	129	302291	246.59	ug/l	99
47) 2-Chloroethylvinylether	5.305	63	160249	285.57	ug/l	93
48) cis-1,3-Dichloropropene	5.404	75	540190	258.44	ug/l	98
49) trans-1,3-Dichloropropene	5.729	75	450661	260.53	ug/l	97
50) 1,1,2-Trichloroethane	5.847	97	210694	242.90	ug/l	94
51) 1,2-Dibromoethane	6.172	107	231468	250.99	ug/l	98
52) 1,3-Dichloropropane	5.946	76	391570	226.54	ug/l	98
53) 4-Methyl-2-Pentanone	5.482	43	227464	271.91	ug/l	98
54) 2-Hexanone	5.975	43	155040	273.11	ug/l	99
55) Tetrachloroethene	5.955	164	294227	199.83	ug/l	99
57) Toluene	5.620	92	719045	207.27	ug/l	93
58) 1,1,1,2-Tetrachloroethane	6.507	133	265923	235.16	ug/l	99
59) Chlorobenzene	6.468	112	790020	214.53	ug/l	99
61) Bromoform	6.961	173	194092	319.62	ug/l	98
62) Ethylbenzene	6.517	106	306112	248.05	ug/l	91
63) 1,1,2,2-Tetrachloroethane	7.207	83	192381	274.69	ug/l	90
65) Styrene	6.833	104	755518	270.70	ug/l	81
66) m&p-Xylenes	6.586	106	889747	452.68	ug/l	95

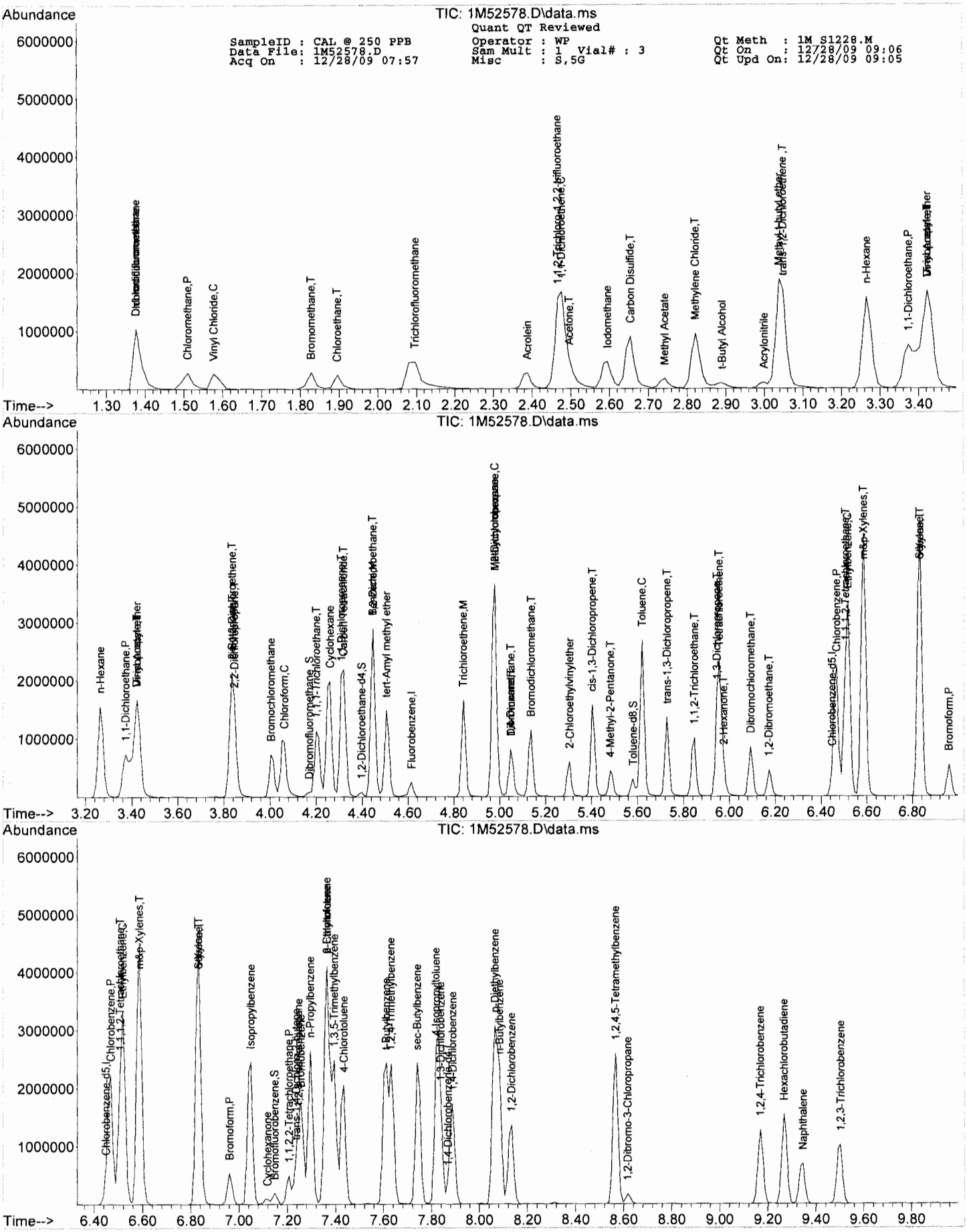
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52578.D Sam Mult : 1 Vial# : 3 Qt On : 12/28/09 09:06
Acq On : 12/28/09 07:57 Misc : S,5G Qt Upd On: 12/28/09 09:05

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67)	o-Xylene	6.833	106	456058	267.36	ug/l	83
68)	trans-1,4-Dichloro-2-b...	7.237	53	93088	285.40	ug/l	64
69)	1,3-Dichlorobenzene	7.838	146	484476	231.39	ug/l	89
70)	1,4-Dichlorobenzene	7.887	146	521102	259.07	ug/l	92
71)	1,2-Dichlorobenzene	8.134	146	452864	263.91	ug/l	91
72)	Isopropylbenzene	7.049	105	1268501	274.89	ug/l	96
73)	Cyclohexanone	7.118	55	34128	1533.91	ug/l	98
74)	1,2,3-Trichloropropane	7.247	75	284338	276.73	ug/l	88
75)	2-Chlorotoluene	7.365	91	651500	197.27	ug/l	91
76)	p-Ethyltoluene	7.365	105	1221492	209.71	ug/l	99
77)	4-Chlorotoluene	7.434	91	702659	243.22	ug/l	96
78)	n-Propylbenzene	7.296	91	1507657	261.43	ug/l	98
79)	Bromobenzene	7.256	77	765049	270.26	ug/l	81
80)	1,3,5-Trimethylbenzene	7.394	105	985749m	254.05	ug/l	
81)	t-Butylbenzene	7.611	119	960522	269.19	ug/l	85
82)	1,2,4-Trimethylbenzene	7.631	105	1008190	258.88	ug/l	95
83)	sec-Butylbenzene	7.739	105	1291987	275.54	ug/l	97
84)	4-Isopropyltoluene	7.818	119	958555	253.07	ug/l	91
85)	n-Butylbenzene	8.084	91	1282372	263.88	ug/l	99
86)	p-Diethylbenzene	8.065	119	715381	242.66	ug/l	93
87)	1,2,4,5-Tetramethylben...	8.567	119	1140438	266.37	ug/l	98
88)	1,2-Dibromo-3-Chloropr...	8.616	157	35887	291.53	ug/l	76
89)	Hexachlorobutadiene	9.267	225	314919	254.82	ug/l	97
90)	1,2,4-Trichlorobenzene	9.168	180	347093	265.92	ug/l	97
91)	1,2,3-Trichlorobenzene	9.504	180	305069	253.07	ug/l	95
92)	Naphthalene	9.346	128	471821	281.55	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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TIC: 1M52578.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 250 PPB
Data File: 1M52578.D
Acq On : 12/28/09 07:57
Operator : WP
Sam Mult : 1 Vial# : 3
Misc : S,5G
Qt Meth : 1M_S1228.M
Qt On : 12/28/09 09:06
Qt Upd On: 12/28/09 09:05
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 1M52578.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Time-->

Abundance
TIC: 1M52578.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
4-Chlorotoluene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52577.D Sam Mult : 1 Vial# : 2 Qt On : 12/28/09 09:05
Acq On : 12/28/09 07:40 Misc : S,5G Qt Upd On: 12/28/09 09:05

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.615	96	139048	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.449	117	99663	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.868	152	43416	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.162	111	37195	26.50	ug/l	0.00
Spiked Amount 30.000			Recovery = 88.33%			
32) 1,2-Dichloroethane-d4	4.399	102	7329	30.72	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.40%			
56) Toluene-d8	5.581	100	91536	35.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 119.40%			
64) Bromofluorobenzene	7.148	174	50790	40.52	ug/l	0.00
Spiked Amount 30.000			Recovery = 135.07%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.376	51	1421405	309.95	ug/l	1
3) Dichlorodifluoromethane	1.376	85	614320	285.39	ug/l	95
4) Chloromethane	1.494	50	963278	433.73	ug/l	98
5) Bromomethane	1.812	94	304154	311.12	ug/l	98
6) Vinyl Chloride	1.577	62	702236	393.49	ug/l	99
7) Chloroethane	1.896	64	339135	330.49	ug/l	93
8) Trichlorofluoromethane	2.080	101	1234157	319.76	ug/l	99
9) 1,1,2-Trichloro-1,2,2-...	2.467	101	639294	306.75	ug/l	90
10) Methylene Chloride	2.812	84	689045	338.25	ug/l	87
11) Acrolein	2.378	56	455410	1841.72	ug/l	97
12) Acrylonitrile	2.989	53	184664	395.30	ug/l	93
13) Iodomethane	2.585	142	971623	318.54	ug/l	78
14) Acetone	2.487	43	648024	1701.98	ug/l	100
15) Carbon Disulfide	2.644	76	2315471	335.27	ug/l	100
16) t-Butyl Alcohol	2.891	59	121238	1996.76	ug/l	87
17) n-Hexane	3.265	57	1207407	342.12	ug/l	90
18) Di-isopropyl-ether	3.423	45	2569994	335.11	ug/l	88
19) 1,1-Dichloroethene	2.467	61	1329086	330.45	ug/l	90
20) Methyl Acetate	2.733	43	424169	355.80	ug/l	100
21) Methyl-t-butyl ether	3.039	73	1028534	336.88	ug/l	73
22) 1,1-Dichloroethane	3.364	63	1561834	349.61	ug/l	99
23) trans-1,2-Dichloroethene	3.039	96	640141	327.88	ug/l	87
24) cis-1,2-Dichloroethene	3.827	61	1362983	332.60	ug/l	86
25) Bromochloromethane	4.004	49	653167	338.24	ug/l	71
26) 2,2-Dichloropropane	3.847	77	1037424	352.13	ug/l	91
27) 1,4-Dioxane	5.049	88	207774	18198.25	ug/l	64
28) 1,1-Dichloropropene	4.310	75	1016785	285.78	ug/l	97
29) Chloroform	4.054	83	1333685	337.07	ug/l	99
31) Cyclohexane	4.251	56	1588369	333.92	ug/l	88
33) 1,2-Dichloroethane	4.438	62	865964	281.45	ug/l	97
34) 2-Butanone	3.827	43	212169	334.09	ug/l	91
35) 1,1,1-Trichloroethane	4.202	97	1125279	339.89	ug/l	96
36) Carbon Tetrachloride	4.320	117	895027	305.65	ug/l	91
37) Vinyl Acetate	3.393	43	2229906	347.84	ug/l	100
38) Bromodichloromethane	5.138	83	1083238	339.73	ug/l	95
39) Methylcyclohexane	4.980	83	1171205	284.55	ug/l	86
40) Dibromomethane	5.049	174	423274	327.95	ug/l	93
41) 1,2-Dichloropropane	4.980	63	659044	278.71	ug/l	91
42) Trichloroethene	4.842	130	730257	315.84	ug/l	90
43) Benzene	4.448	78	2230667	263.21	ug/l	100
44) tert-Amyl methyl ether	4.507	73	1022829	347.91	ug/l	95
46) Dibromochloromethane	6.094	129	681675	490.32	ug/l	99
47) 2-Chloroethylvinylether	5.305	63	366432	575.79	ug/l	95
48) cis-1,3-Dichloropropene	5.404	75	1218195	513.90	ug/l	98
49) trans-1,3-Dichloropropene	5.729	75	1027260	523.66	ug/l	97
50) 1,1,2-Trichloroethane	5.847	97	468552	476.30	ug/l	96
51) 1,2-Dibromoethane	6.173	107	511236	488.81	ug/l	92
52) 1,3-Dichloropropane	5.946	76	788057	402.03	ug/l	97
53) 4-Methyl-2-Pentanone	5.483	43	499459	526.46	ug/l	96
54) 2-Hexanone	5.976	43	325106	504.98	ug/l	99
55) Tetrachloroethene	5.956	164	594122	355.80	ug/l	100
57) Toluene	5.621	92	1522737	387.05	ug/l	89
58) 1,1,1,2-Tetrachloroethane	6.508	133	539612	420.77	ug/l	99
59) Chlorobenzene	6.468	112	1621261	388.21	ug/l	98
61) Bromoform	6.961	173	439171	682.34	ug/l	97
62) Ethylbenzene	6.518	106	565202	432.11	ug/l	100
63) 1,1,2,2-Tetrachloroethane	7.208	83	471964	635.82	ug/l	88
65) Styrene	6.833	104	1381137	466.89	ug/l	77
66) m&p-Xylenes	6.587	106	1582078	759.44	ug/l	100

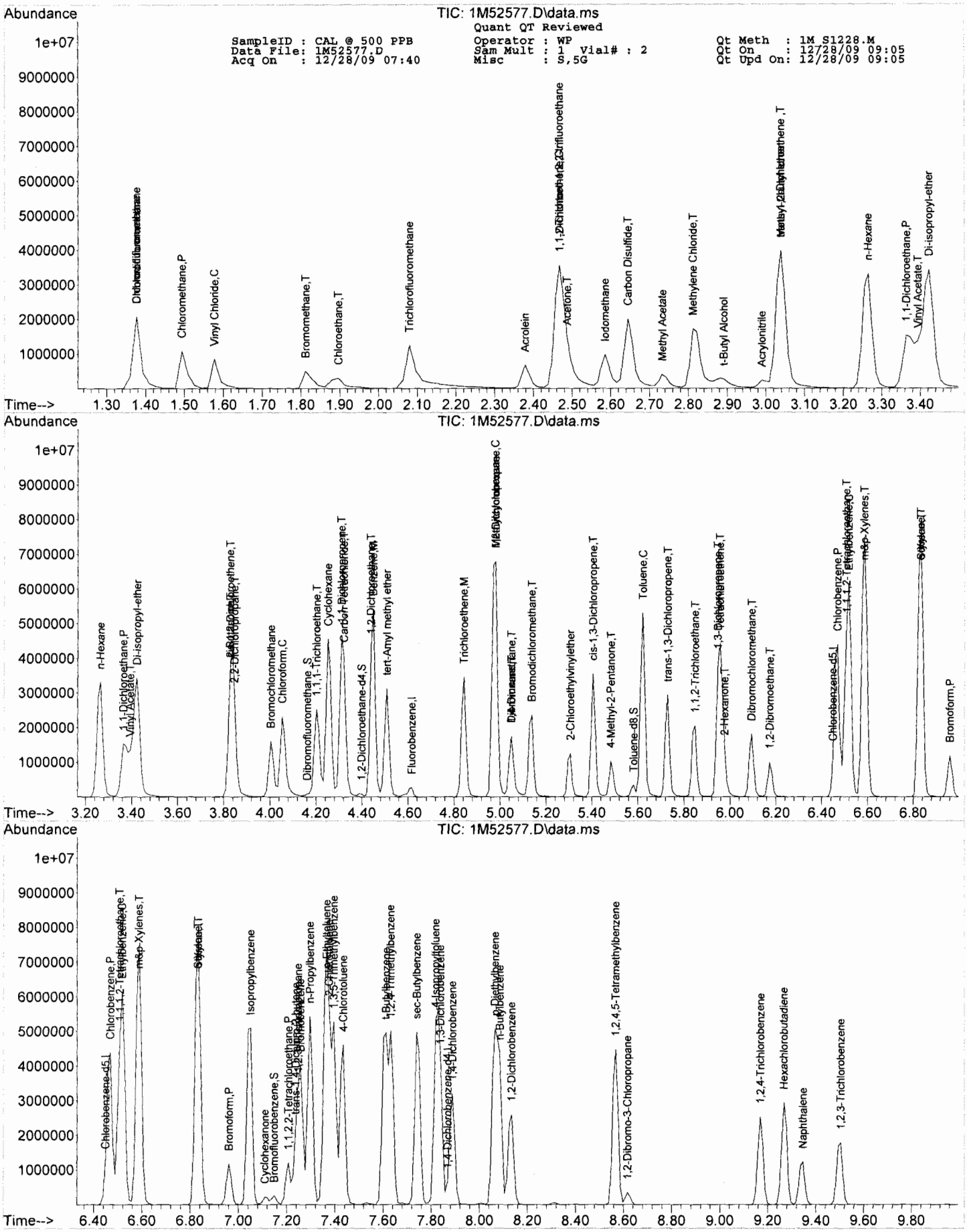
Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52577.D Sam Mult : 1 Vial# : 2 Qt On : 12/28/09 09:05
Acq On : 12/28/09 07:40 Misc : S,5G Qt Upd On: 12/28/09 09:05

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67)	o-Xylene	6.833	106	848488	469.31	ug/l	85
68)	trans-1,4-Dichloro-2-b...	7.237	53	229453	663.73	ug/l	56
69)	1,3-Dichlorobenzene	7.838	146	1032301	465.18	ug/l	90
70)	1,4-Dichlorobenzene	7.888	146	956373	448.61	ug/l	89
71)	1,2-Dichlorobenzene	8.134	146	877654	482.57	ug/l	90
72)	Isopropylbenzene	7.050	105	2685622	549.09	ug/l	95
73)	Cyclohexanone	7.109	55	84270	3573.59	ug/l	97
74)	1,2,3-Trichloropropane	7.247	75	653858	600.40	ug/l	88
75)	2-Chlorotoluene	7.375	91	1122724	320.75	ug/l	91
76)	p-Ethyltoluene	7.365	105	2347028	380.18	ug/l	98
77)	4-Chlorotoluene	7.434	91	1499136	489.60	ug/l	95
78)	n-Propylbenzene	7.296	91	3207541	524.77	ug/l	96
79)	Bromobenzene	7.257	77	1748994	582.95	ug/l	82
80)	1,3,5-Trimethylbenzene	7.395	105	2106274m	512.17	ug/l	
81)	t-Butylbenzene	7.612	119	2015508	532.93	ug/l	84
82)	1,2,4-Trimethylbenzene	7.631	105	2091895	506.81	ug/l	94
83)	sec-Butylbenzene	7.740	105	2704923	544.28	ug/l	99
84)	4-Isopropyltoluene	7.819	119	1922532	478.89	ug/l	90
85)	n-Butylbenzene	8.085	91	2262919	439.34	ug/l	99
86)	p-Diethylbenzene	8.065	119	1236932	395.86	ug/l	93
87)	1,2,4,5-Tetramethylben...	8.568	119	2079271	458.20	ug/l	99
88)	1,2-Dibromo-3-Chloropr...	8.617	157	76904	589.44	ug/l	80
89)	Hexachlorobutadiene	9.267	225	613492	468.37	ug/l	98
90)	1,2,4-Trichlorobenzene	9.169	180	697364	504.08	ug/l	97
91)	1,2,3-Trichlorobenzene	9.504	180	552042	432.07	ug/l	96
92)	Naphthalene	9.346	128	847333	477.07	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M52577.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 1M52577.D
Acq On : 12/28/09 07:40
Operator : WP
Sam Mult : 1 Vial# : 2
Misc : S,5G
Qt Meth : 1M_S1228.M
Qt On : 12728/09 09:05
Qt Upd On: 12/28/09 09:05
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Vinyl Acetate,T
Di-isopropyl-ether
Time-->

Abundance
TIC: 1M52577.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Vinyl Acetate,T
Di-isopropyl-ether
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
Carbon Tetrachloride,T
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Time-->

Abundance
TIC: 1M52577.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
4-Chlorotoluene
n-Propylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
1,2-Dichlorobenzene
n-Butylbenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52585.D Sam Mult : 1 Vial# : 10 Qt On : 12/28/09 10:30
Acq On : 12/28/09 09:50 Misc : S,5G Qt Upd On: 12/28/09 09:32

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.616	96	103620	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.449	117	76142	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.868	152	43246	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.172	111	30091	32.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.23%			
32) 1,2-Dichloroethane-d4	4.399	102	5785	32.53	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.43%			
56) Toluene-d8	5.581	100	64959	28.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.37%			
64) Bromofluorobenzene	7.149	174	34385	26.11	ug/l	0.00
Spiked Amount 30.000			Recovery = 87.03%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	0.000		0	N.D.	d	
3) Dichlorodifluoromethane	0.000		0	N.D.	d	
4) Chloromethane	0.000		0	N.D.	d	
5) Bromomethane	0.000		0	N.D.		
6) Vinyl Chloride	0.000		0	N.D.	d	
7) Chloroethane	0.000		0	N.D.		
8) Trichlorofluoromethane	0.000		0	N.D.	d	
9) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.	d	
10) Methylene Chloride	0.000		0	N.D.	d	
11) Acrolein	0.000		0	N.D.		
12) Acrylonitrile	0.000		0	N.D.		
13) Iodomethane	0.000		0	N.D.	d	
14) Acetone	0.000		0	N.D.	d	
15) Carbon Disulfide	0.000		0	N.D.	d	
16) t-Butyl Alcohol	0.000		0	N.D.		
17) n-Hexane	0.000		0	N.D.		
18) Di-isopropyl-ether	0.000		0	N.D.	d	
19) 1,1-Dichloroethene	0.000		0	N.D.	d	
20) Methyl Acetate	0.000		0	N.D.		
21) Methyl-t-butyl ether	3.039	73	1666	0.89	ug/l #	41
22) 1,1-Dichloroethane	0.000		0	N.D.	d	
23) trans-1,2-Dichloroethene	0.000		0	N.D.	d	
24) cis-1,2-Dichloroethene	0.000		0	N.D.	d	
25) Bromochloromethane	0.000		0	N.D.	d	
26) 2,2-Dichloropropane	0.000		0	N.D.	d	
27) 1,4-Dioxane	0.000		0	N.D.		
28) 1,1-Dichloropropene	0.000		0	N.D.	d	
29) Chloroform	0.000		0	N.D.	d	
31) Cyclohexane	0.000		0	N.D.	d	
33) 1,2-Dichloroethane	0.000		0	N.D.	d	
34) 2-Butanone	0.000		0	N.D.		
35) 1,1,1-Trichloroethane	0.000		0	N.D.	d	
36) Carbon Tetrachloride	0.000		0	N.D.	d	
37) Vinyl Acetate	0.000		0	N.D.	d	
38) Bromodichloromethane	0.000		0	N.D.	d	
39) Methylcyclohexane	0.000		0	N.D.	d	
40) Dibromomethane	0.000		0	N.D.		
41) 1,2-Dichloropropane	0.000		0	N.D.	d	
42) Trichloroethene	0.000		0	N.D.	d	
43) Benzene	4.448	78	5734	1.22	ug/l	100
44) tert-Amyl methyl ether	0.000		0	N.D.	d	
46) Dibromochloromethane	0.000		0	N.D.	d	
47) 2-Chloroethylvinylether	0.000		0	N.D.		
48) cis-1,3-Dichloropropene	0.000		0	N.D.	d	
49) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
50) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
51) 1,2-Dibromoethane	0.000		0	N.D.	d	
52) 1,3-Dichloropropane	0.000		0	N.D.	d	
53) 4-Methyl-2-Pentanone	0.000		0	N.D.		
54) 2-Hexanone	0.000		0	N.D.		
55) Tetrachloroethene	0.000		0	N.D.	d	
57) Toluene	5.621	92	3726	1.21	ug/l	93
58) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	d	
59) Chlorobenzene	0.000		0	N.D.	d	
61) Bromoform	0.000		0	N.D.	d	
62) Ethylbenzene	6.518	106	1645	1.11	ug/l	90
63) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	d	
65) Styrene	0.000		0	N.D.	d	
66) m&p-Xylenes	6.587	106	4634	2.08	ug/l	84

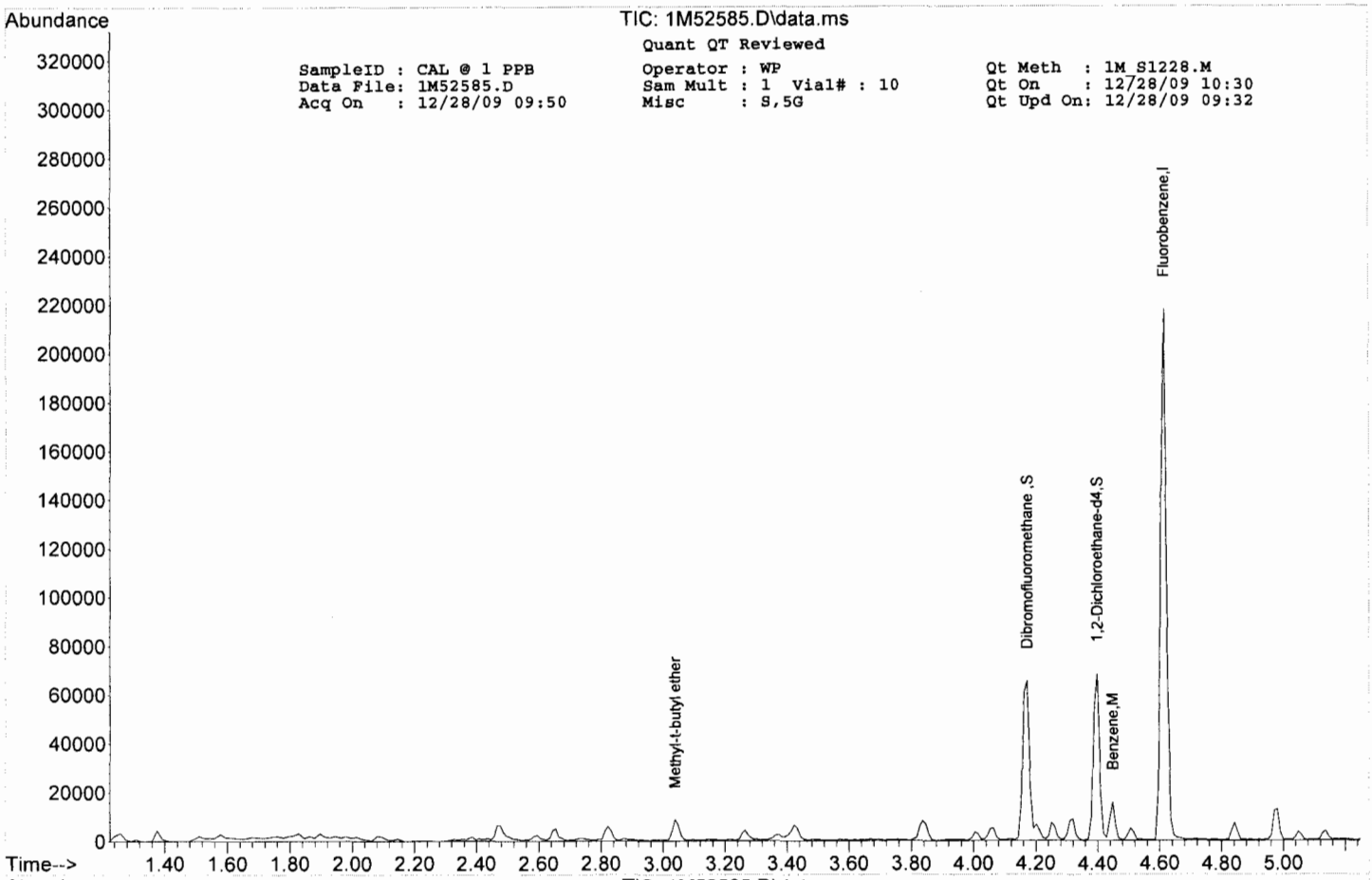
Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52585.D Sam Mult : 1 Vial# : 10 Qt On : 12/28/09 10:30
Acq On : 12/28/09 09:50 Misc : S,5G Qt Upd On: 12/28/09 09:32

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67)	o-Xylene	6.833	106	1691	0.78 ug/l	96
68)	trans-1,4-Dichloro-2-b...	0.000		0	N.D.	
69)	1,3-Dichlorobenzene	0.000		0	N.D. d	
70)	1,4-Dichlorobenzene	0.000		0	N.D. d	
71)	1,2-Dichlorobenzene	0.000		0	N.D. d	
72)	Isopropylbenzene	7.050	105	4792	0.82 ug/l #	80
73)	Cyclohexanone	0.000		0	N.D.	
74)	1,2,3-Trichloropropane	0.000		0	N.D. d	
75)	2-Chlorotoluene	0.000		0	N.D. d	
76)	p-Ethyltoluene	0.000		0	N.D. d	
77)	4-Chlorotoluene	0.000		0	N.D. d	
78)	n-Propylbenzene	7.296	91	6166	0.87 ug/l	96
79)	Bromobenzene	0.000		0	N.D. d	
80)	1,3,5-Trimethylbenzene	7.395	105	4669m	1.00 ug/l	
81)	t-Butylbenzene	7.602	119	3676	0.82 ug/l #	72
82)	1,2,4-Trimethylbenzene	7.631	105	4403	0.91 ug/l	78
83)	sec-Butylbenzene	7.740	105	4317	0.75 ug/l #	54
84)	4-Isopropyltoluene	7.819	119	3195	0.72 ug/l #	55
85)	n-Butylbenzene	8.075	91	4697	0.82 ug/l	86
86)	p-Diethylbenzene	0.000		0	N.D. d	
87)	1,2,4,5-Tetramethylben...	0.000		0	N.D. d	
88)	1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	
89)	Hexachlorobutadiene	0.000		0	N.D. d	
90)	1,2,4-Trichlorobenzene	0.000		0	N.D. d	
91)	1,2,3-Trichlorobenzene	0.000		0	N.D. d	
92)	Naphthalene	9.346	128	2482	1.28 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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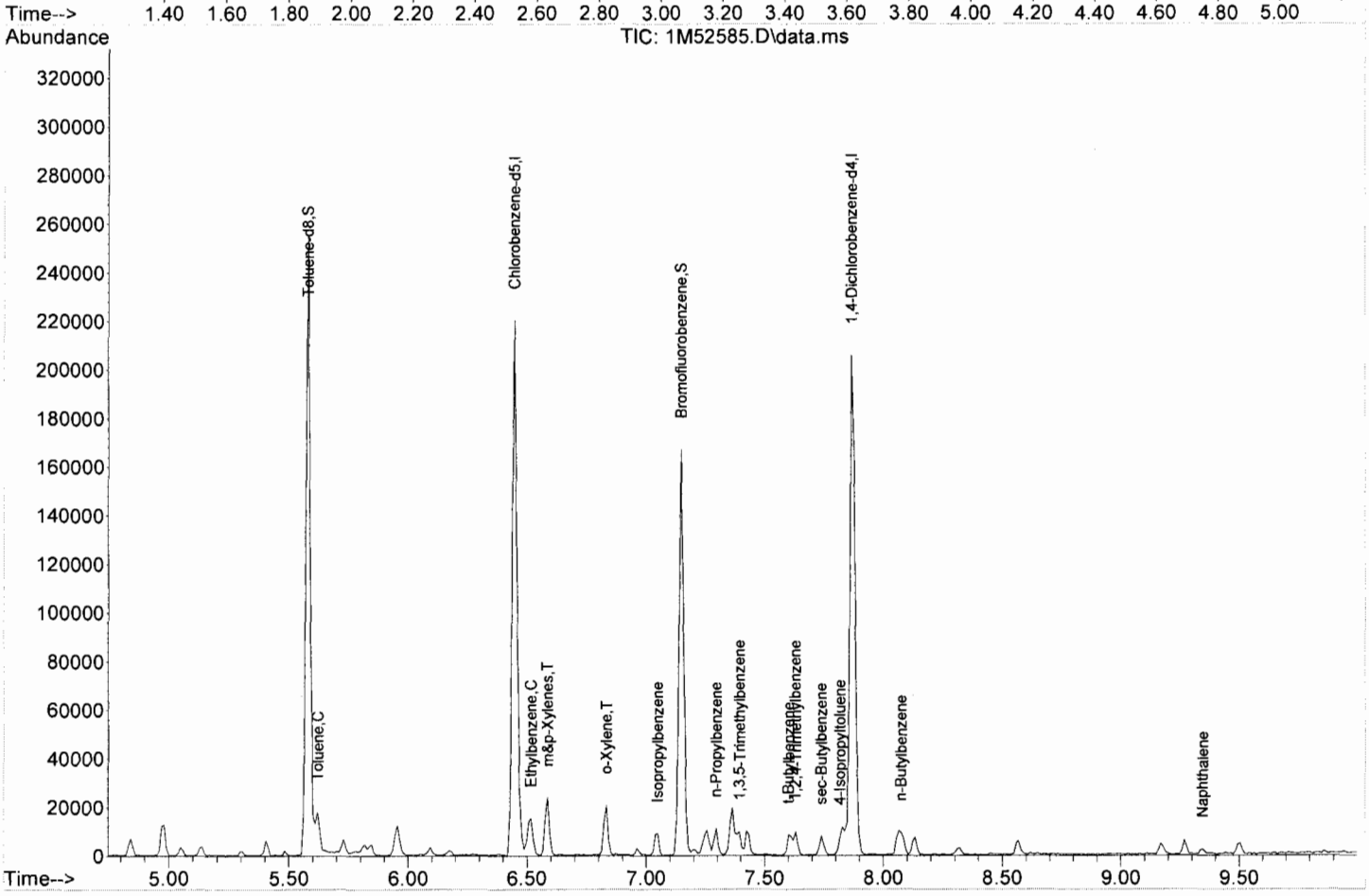
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 1M52585.D
Acq On : 12/28/09 09:50
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : S,5G
Qt Meth : 1M_S1228.M
Qt On : 12/28/09 10:30
Qt Upd On: 12/28/09 09:32
Methyl-t-butyl ether
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Time-->


Abundance
TIC: 1M52585.D\data.ms
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
Naphthalene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52586.D Sam Mult : 1 Vial# : 11 Qt On : 12/28/09 10:32
Acq On : 12/28/09 10:06 Misc : S,5G Qt Upd On: 12/28/09 09:32

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.615	96	100517	30.00 ug/l	0.00
45) Chlorobenzene-d5	6.448	117	74834	30.00 ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.878	152	40320	30.00 ug/l	0.00
System Monitoring Compounds					
30) Dibromofluoromethane	4.172	111	29004	32.56 ug/l	0.00
Spiked Amount 30.000			Recovery = 108.53%		
32) 1,2-Dichloroethane-d4	4.398	102	5885	34.11 ug/l	0.00
Spiked Amount 30.000			Recovery = 113.70%		
56) Toluene-d8	5.581	100	64926	28.79 ug/l	0.00
Spiked Amount 30.000			Recovery = 95.97%		
64) Bromofluorobenzene	7.148	174	32922	26.82 ug/l	0.00
Spiked Amount 30.000			Recovery = 89.40%		
Target Compounds					Qvalue
2) Chlorodifluoromethane	0.000		0	N.D. d	
3) Dichlorodifluoromethane	0.000		0	N.D.	
4) Chloromethane	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Vinyl Chloride	0.000		0	N.D.	
7) Chloroethane	0.000		0	N.D.	
8) Trichlorofluoromethane	0.000		0	N.D. d	
9) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.	
10) Methylene Chloride	0.000		0	N.D.	
11) Acrolein	0.000		0	N.D.	
12) Acrylonitrile	0.000		0	N.D.	
13) Iodomethane	0.000		0	N.D. d	
14) Acetone	0.000		0	N.D. d	
15) Carbon Disulfide	0.000		0	N.D. d	
16) t-Butyl Alcohol	0.000		0	N.D.	
17) n-Hexane	0.000		0	N.D.	
18) Di-isopropyl-ether	0.000		0	N.D. d	
19) 1,1-Dichloroethene	0.000		0	N.D. d	
20) Methyl Acetate	0.000		0	N.D.	
21) Methyl-t-butyl ether	0.000		0	N.D.	
22) 1,1-Dichloroethane	0.000		0	N.D. d	
23) trans-1,2-Dichloroethene	0.000		0	N.D.	
24) cis-1,2-Dichloroethene	0.000		0	N.D. d	
25) Bromochloromethane	0.000		0	N.D.	
26) 2,2-Dichloropropane	0.000		0	N.D.	
27) 1,4-Dioxane	0.000		0	N.D.	
28) 1,1-Dichloropropene	0.000		0	N.D.	
29) Chloroform	0.000		0	N.D. d	
31) Cyclohexane	0.000		0	N.D.	
33) 1,2-Dichloroethane	0.000		0	N.D. d	
34) 2-Butanone	0.000		0	N.D.	
35) 1,1,1-Trichloroethane	0.000		0	N.D. d	
36) Carbon Tetrachloride	0.000		0	N.D.	
37) Vinyl Acetate	0.000		0	N.D. d	
38) Bromodichloromethane	0.000		0	N.D. d	
39) Methylcyclohexane	0.000		0	N.D. d	
40) Dibromomethane	0.000		0	N.D.	
41) 1,2-Dichloropropane	0.000		0	N.D.	
42) Trichloroethene	0.000		0	N.D.	
43) Benzene	0.000		0	N.D. d	
44) tert-Amyl methyl ether	0.000		0	N.D. d	
46) Dibromochloromethane	0.000		0	N.D.	
47) 2-Chloroethylvinylether	0.000		0	N.D.	
48) cis-1,3-Dichloropropene	0.000		0	N.D.	
49) trans-1,3-Dichloropropene	0.000		0	N.D.	
50) 1,1,2-Trichloroethane	0.000		0	N.D. d	
51) 1,2-Dibromoethane	0.000		0	N.D.	
52) 1,3-Dichloropropane	0.000		0	N.D.	
53) 4-Methyl-2-Pentanone	0.000		0	N.D. d	
54) 2-Hexanone	0.000		0	N.D.	
55) Tetrachloroethene	0.000		0	N.D.	
57) Toluene	0.000		0	N.D. d	
58) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	
59) Chlorobenzene	0.000		0	N.D. d	
61) Bromoform	0.000		0	N.D.	
62) Ethylbenzene	0.000		0	N.D. d	
63) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	
65) Styrene	0.000		0	N.D. d	
66) m&p-Xylenes	6.586	106	1792	0.86 ug/l	92

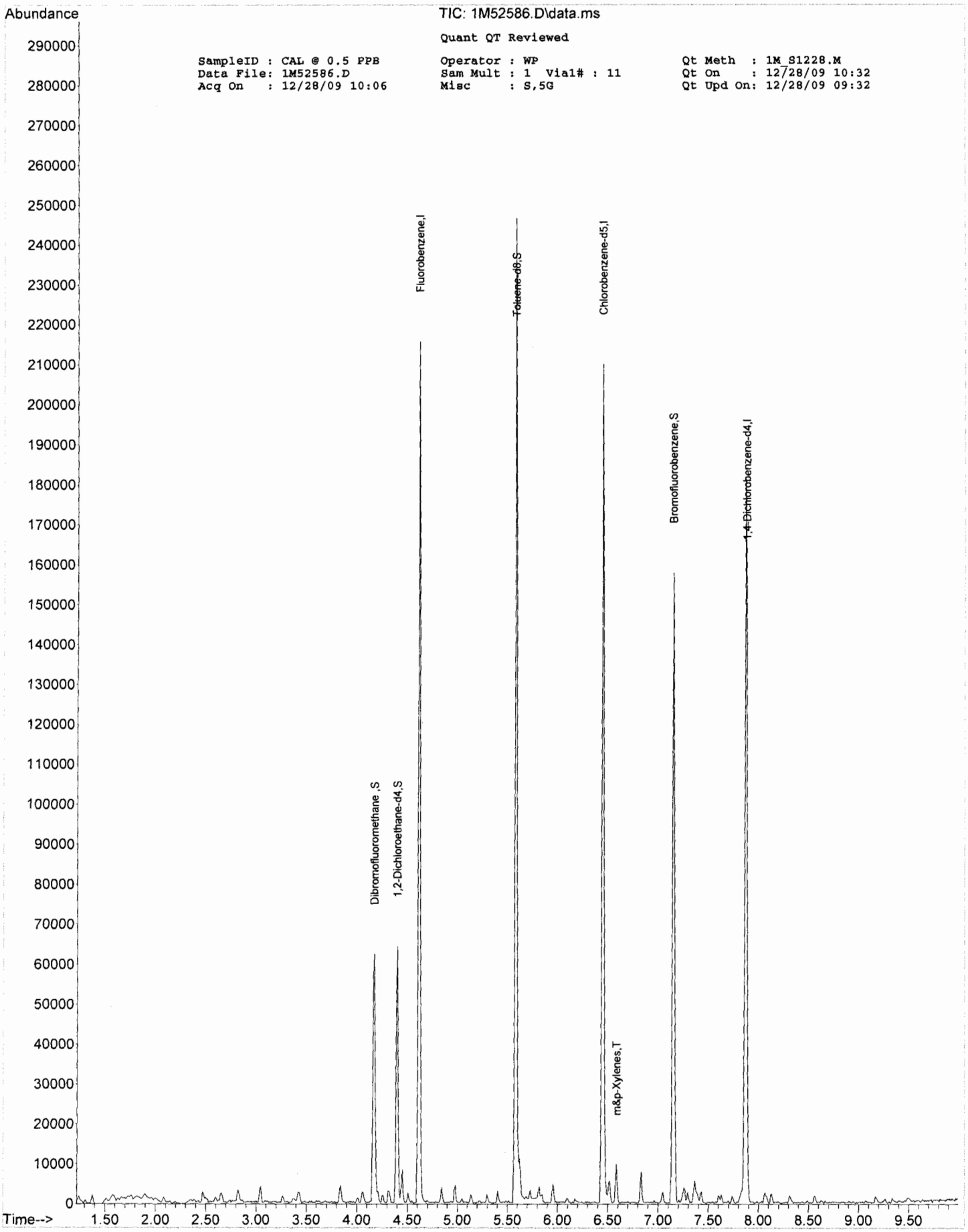
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52586.D Sam Mult : 1 Vial# : 11 Qt On : 12/28/09 10:32
Acq On : 12/28/09 10:06 Misc : S,5G Qt Upd On: 12/28/09 09:32

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67)	o-Xylene	0.000		0	N.D.		d
68)	trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
69)	1,3-Dichlorobenzene	0.000		0	N.D.		d
70)	1,4-Dichlorobenzene	0.000		0	N.D.		d
71)	1,2-Dichlorobenzene	0.000		0	N.D.		d
72)	Isopropylbenzene	0.000		0	N.D.		d
73)	Cyclohexanone	0.000		0	N.D.		
74)	1,2,3-Trichloropropane	0.000		0	N.D.		d
75)	2-Chlorotoluene	0.000		0	N.D.		d
76)	p-Ethyltoluene	0.000		0	N.D.		d
77)	4-Chlorotoluene	0.000		0	N.D.		d
78)	n-Propylbenzene	0.000		0	N.D.		d
79)	Bromobenzene	0.000		0	N.D.		d
80)	1,3,5-Trimethylbenzene	0.000		0	N.D.		d
81)	t-Butylbenzene	0.000		0	N.D.		
82)	1,2,4-Trimethylbenzene	0.000		0	N.D.		d
83)	sec-Butylbenzene	0.000		0	N.D.		d
84)	4-Isopropyltoluene	0.000		0	N.D.		
85)	n-Butylbenzene	0.000		0	N.D.		d
86)	p-Diethylbenzene	0.000		0	N.D.		
87)	1,2,4,5-Tetramethylben...	0.000		0	N.D.		d
88)	1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
89)	Hexachlorobutadiene	0.000		0	N.D.		
90)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
91)	1,2,3-Trichlorobenzene	0.000		0	N.D.		
92)	Naphthalene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M52586.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 1M52586.D
Acq On : 12/28/09 10:06
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : S,5G
Qt Meth : 1M_S1228.M
Qt On : 12/28/09 10:32
Qt Upd On: 12/28/09 09:32
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M52676.D **Instrument:** GCMS 1

Cont Calibration Date/Time 12/30/2009 7:25:00 **Method:** EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.59	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.36	35.14				0.743			
Dichlorodifluoromethane	1	0		1.36	48.38	50			0.320	0.309	3.24	
Chloromethane	1	0	CP	1.49	45.34	50	0.1		0.378	0.343	9.32	
Bromomethane	1	0		1.81	57.43	50			0.157	0.180	14.86	
Vinyl Chloride	1	0	CC	1.56	50.20	50	20		0.313	0.314	0.40	
Chloroethane	1	0		1.88	58.28	50			0.170	0.198	16.56	
Trichlorofluoromethane	1	0		2.06	60.61	50			0.607	0.736	21.22	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.45	55.07	50			0.337	0.371	10.14	
Methylene Chloride	1	0		2.79	52.93	50			0.350	0.370	5.86	
Acrolein	1	0		2.36	275.29	250			0.044	0.048	10.12	
Acrylonitrile	1	0		2.97	51.77	50			0.086	0.089	3.54	
Iodomethane	1	0		2.57	60.92	50			0.512	0.624	21.84	
Acetone	1	0		2.47	239.78	250			0.070	0.067	4.09	
Carbon Disulfide	1	0		2.63	61.19	50			1.140	1.396	22.38	
t-Butyl Alcohol	1	0		2.86	252.73	250			0.011	0.011	1.09	
n-Hexane	1	0		3.24	61.54	50			0.545	0.671	23.08	
Di-isopropyl-ether	1	0		3.39	53.91	50			1.350	1.456	7.82	
1.1-Dichloroethene	1	0	CC	2.45	56.99	50	20		0.670	0.764	13.98	
Methyl Acetate	1	0		2.71	41.73	50			0.216	0.180	16.54	
Methyl-t-butyl ether	1	0		3.01	52.18	50			0.535	0.559	4.36	
1.1-Dichloroethane	1	0	CP	3.34	55.53	50	0.1		0.768	0.853	11.06	
trans-1.2-Dichloroethene	1	0		3.01	57.83	50			0.339	0.392	15.66	
cis-1.2-Dichloroethene	1	0		3.81	55.47	50			0.730	0.809	10.94	
Bromochloromethane	1	0		3.98	52.32	50			0.345	0.361	4.64	
2.2-Dichloropropane	1	0		3.81	58.81	50			0.504	0.593	17.62	
1.4-Dioxane	1	0		5.03	3043.45	2500			0.002	0.002	21.74	
1.1-Dichloropropene	1	0		4.28	58.43	50			0.569	0.665	16.86	
Chloroform	1	0	CC	4.02	56.54	50	20		0.690	0.780	13.08	
Dibromofluoromethane	1	0	S	4.14	30.14	75			0.271	0.272	0.47	
Cyclohexane	1	0		4.23	60.48	50			0.768	0.929	20.96	
1.2-Dichloroethane-d4	1	0	S	4.37	27.77	75			0.053	0.049	7.43	
1.2-Dichloroethane	1	0		4.42	72.35	50			0.542	0.566	44.70	
2-Butanone	1	0		3.81	51.85	50			0.117	0.121	3.70	
1.1.1-Trichloroethane	1	0		4.18	56.09	50			0.567	0.636	12.18	
Carbon Tetrachloride	1	0		4.29	58.83	50			0.497	0.585	17.66	
Vinyl Acetate	1	0		3.39	54.07	50			1.151	1.245	8.14	
Bromodichloromethane	1	0		5.11	56.25	50			0.560	0.630	12.50	
Methylcyclohexane	1	0		4.95	62.82	50			0.630	0.792	25.64	
Dibromomethane	1	0		5.02	56.28	50			0.229	0.258	12.56	
1.2-Dichloropropane	1	0	CC	4.95	53.88	50	20		0.414	0.446	7.76	
Trichloroethene	1	0		4.81	59.17	50			0.388	0.459	18.34	
Benzene	1	0		4.42	53.62	50			1.460	1.565	7.24	
tert-Amyl methyl ether	1	0		4.48	49.44	50			0.539	0.533	1.12	
Chlorobenzene-d5	1	0	I	6.42	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		6.06	54.34	50			0.478	0.519	8.68	
2-Chloroethylvinylether	1	0		5.28	52.39	50			0.218	0.228	4.78	
cis-1.3-Dichloropropene	1	0		5.37	57.77	50			0.798	0.923	15.54	
trans-1.3-Dichloropropene	1	0		5.70	56.21	50			0.664	0.747	12.42	
1.1.2-Trichloroethane	1	0		5.82	52.11	50			0.346	0.361	4.22	
1.2-Dibromoethane	1	0		6.14	54.08	50			0.353	0.382	8.16	
1.3-Dichloropropane	1	0		5.92	70.80	50			0.655	0.698	41.60	
4-Methyl-2-Pentanone	1	0		5.46	52.14	50			0.322	0.336	4.28	
2-Hexanone	1	0		5.95	52.37	50			0.220	0.230	4.74	
Tetrachloroethene	1	0		5.93	60.73	50			0.507	0.616	21.46	
Toluene-d8	1	0	S	5.55	31.85	75			0.894	0.949	6.17	
Toluene	1	0	CC	5.59	54.08	50	20		1.289	1.394	8.16	
1.1.1.2-Tetrachloroethane	1	0		6.48	53.90	50			0.467	0.504	7.80	
Chlorobenzene	1	0	CP	6.44	74.26	50	0.3		1.297	1.497	48.52	
1.4-Dichlorobenzene-d4	1	0	I	7.84	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.93	45.85	50	0.1		0.576	0.528	8.30	
Ethylbenzene	1	0	CC	6.49	50.93	50	20		1.043	1.063	1.86	
1.1.2.2-Tetrachloroethane	1	0	CP	7.18	44.32	50	0.3		0.628	0.557	11.36	
Bromofluorobenzene	1	0	S	7.12	28.67	75			0.890	0.850	4.43	
Styrene	1	0		6.80	52.44	50			2.433	2.552	4.88	
m&p-Xylenes	1	0		6.56	99.64	100			1.584	1.578	0.36	
o-Xylene	1	0		6.80	65.04	50			1.465	1.582	30.08	
trans-1.4-Dichloro-2-butene	1	0		7.21	46.88	50			0.296	0.278	6.24	
1.3-Dichlorobenzene	1	0		7.81	54.11	50			1.715	1.856	8.22	
1.4-Dichlorobenzene	1	0		7.86	66.79	50			1.740	1.838	33.58	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M52676.D **Instrument:** GCMS 1

Cont Calibration Date/Time 12/30/2009 7:25:00 **Method:** EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Dichlorobenzene	1	0		8.10	52.92	50			1.450	1.534	5.84	
Isopropylbenzene	1	0		7.02	56.44	50			3.984	4.497	12.88	
Cyclohexanone	1	0		7.08	223.37				0.019			
1,2,3-Trichloropropane	1	0		7.22	47.23	50			0.938	0.886	5.54	
2-Chlorotoluene	1	0		7.34	60.08	50			2.458	2.782	20.16	
p-Ethyltoluene	1	0		7.33	70.36				4.442			
4-Chlorotoluene	1	0		7.40	50.89	50			2.367	2.409	1.78	
n-Propylbenzene	1	0		7.27	55.79	50			4.844	5.405	11.58	
Bromobenzene	1	0		7.23	49.15	50			2.541	2.497	1.70	
1,3,5-Trimethylbenzene	1	0		7.37	55.57	50			3.251	3.613	11.14	
t-Butylbenzene	1	0		7.57	57.35	50			3.032	3.478	14.70	
1,2,4-Trimethylbenzene	1	0		7.60	54.91	50			3.318	3.644	9.82	
sec-Butylbenzene	1	0		7.71	59.80	50			3.873	4.632	19.60	
4-Isopropyltoluene	1	0		7.79	61.86	50			2.976	3.682	23.72	
n-Butylbenzene	1	0		8.05	60.31	50			3.886	4.687	20.62	
p-Diethylbenzene	1	0		8.04	60.41				2.186			
1,2,4,5-Tetramethylbenzene	1	0		8.54	56.41				3.372			
1,2-Dibromo-3-Chloropropane	1	0		8.59	43.89	50			0.104	0.091	12.22	
Hexachlorobutadiene	1	0		9.24	57.48	50			0.949	1.090	14.96	
1,2,4-Trichlorobenzene	1	0		9.14	51.84	50			1.009	1.046	3.68	
1,2,3-Trichlorobenzene	1	0		9.46	49.02	50			0.926	0.908	1.96	
Naphthalene	1	0		9.31	43.31	50			1.395	1.208	13.38	
1,2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52676.D Sam Mult : 1 Vial# : 7 Qt On : 12/30/09 07:37
Acq On : 12/30/09 07:25 Misc : S,5G:.4 Qt Upd On: 12/28/09 10:38

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.586	96	125103	30.00	ug/l	-0.03
45) Chlorobenzene-d5	6.420	117	89774	30.00	ug/l	-0.03
60) 1,4-Dichlorobenzene-d4	7.839	152	53881	30.00	ug/l	-0.03
System Monitoring Compounds						
30) Dibromofluoromethane	4.143	111	34074	30.14	ug/l	-0.03
Spiked Amount 30.000			Recovery = 100.47%			
32) 1,2-Dichloroethane-d4	4.370	102	6109	27.77	ug/l	-0.03
Spiked Amount 30.000			Recovery = 92.57%			
56) Toluene-d8	5.552	100	85225	31.85	ug/l	-0.03
Spiked Amount 30.000			Recovery = 106.17%			
64) Bromofluorobenzene	7.119	174	45804	28.67	ug/l	-0.03
Spiked Amount 30.000			Recovery = 95.57%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.360	51	108919	35.14	ug/l	1
3) Dichlorodifluoromethane	1.360	85	64491	48.38	ug/l	94
4) Chloromethane	1.494	50	71454	45.34	ug/l	99
5) Bromomethane	1.812	94	37591	57.43	ug/l	99
6) Vinyl Chloride	1.561	62	65544	50.20	ug/l	96
7) Chloroethane	1.879	64	41372	58.28	ug/l	95
8) Trichlorofluoromethane	2.064	101	153390	60.61	ug/l	99
9) 1,1,2-Trichloro-1,2,2-...	2.448	101	77427	55.07	ug/l	92
10) Methylene Chloride	2.793	84	77250	52.93	ug/l	91
11) Acrolein	2.359	56	50019	275.29	ug/l	96
12) Acrylonitrile	2.970	53	18623	51.77	ug/l	91
13) Iodomethane	2.566	142	130034	60.92	ug/l	75
14) Acetone	2.467	43	69791	239.78	ug/l	95
15) Carbon Disulfide	2.625	76	290983	61.19	ug/l	100
16) t-Butyl Alcohol	2.862	59	11409	252.73	ug/l	80
17) n-Hexane	3.236	57	139835	61.54	ug/l	88
18) Di-isopropyl-ether	3.394	45	303562	53.91	ug/l	88
19) 1,1-Dichloroethene	2.448	61	159271	56.99	ug/l	93
20) Methyl Acetate	2.714	43	37590	41.73	ug/l	100
21) Methyl-t-butyl ether	3.009	73	116455	52.18	ug/l	71
22) 1,1-Dichloroethane	3.345	63	177833	55.53	ug/l	97
23) trans-1,2-Dichloroethene	3.009	96	81755	57.83	ug/l	90
24) cis-1,2-Dichloroethene	3.808	61	168768	55.47	ug/l	94
25) Bromochloromethane	3.975	49	75224	52.32	ug/l	68
26) 2,2-Dichloropropane	3.808	77	123685	58.81	ug/l	91
27) 1,4-Dioxane	5.030	88	25174	3043.45	ug/l	71
28) 1,1-Dichloropropene	4.281	75	138686	58.43	ug/l	95
29) Chloroform	4.025	83	162717	56.54	ug/l	97
31) Cyclohexane	4.232	56	193678	60.48	ug/l	88
33) 1,2-Dichloroethane	4.419	62	118071	72.35	ug/l	99
34) 2-Butanone	3.808	43	25232	51.85	ug/l	88
35) 1,1,1-Trichloroethane	4.182	97	132698	56.09	ug/l	97
36) Carbon Tetrachloride	4.291	117	121997	58.83	ug/l	94
37) Vinyl Acetate	3.394	43	259562	54.07	ug/l	100
38) Bromodichloromethane	5.109	83	131436	56.25	ug/l	97
39) Methylcyclohexane	4.951	83	165165	62.82	ug/l	84
40) Dibromomethane	5.020	174	53814	56.28	ug/l	93
41) 1,2-Dichloropropane	4.951	63	92951	53.88	ug/l	89
42) Trichloroethene	4.813	130	95744	59.17	ug/l	88
43) Benzene	4.419	78	326353	53.62	ug/l	100
44) tert-Amyl methyl ether	4.478	73	111080	49.44	ug/l	95
46) Dibromochloromethane	6.065	129	77717	54.34	ug/l	96
47) 2-Chloroethylvinylether	5.276	63	34172	52.39	ug/l	89
48) cis-1,3-Dichloropropene	5.375	75	138028	57.77	ug/l	95
49) trans-1,3-Dichloropropene	5.700	75	111753	56.21	ug/l	98
50) 1,1,2-Trichloroethane	5.818	97	54031	52.11	ug/l	94
51) 1,2-Dibromoethane	6.144	107	57146	54.08	ug/l	99
52) 1,3-Dichloropropane	5.917	76	104396	70.80	ug/l	95
53) 4-Methyl-2-Pentanone	5.464	43	50313	52.14	ug/l	99
54) 2-Hexanone	5.946	43	34454	52.37	ug/l	93
55) Tetrachloroethene	5.927	164	92187	60.73	ug/l	97
57) Toluene	5.592	92	208540	54.08	ug/l	94
58) 1,1,1,2-Tetrachloroethane	6.479	133	75406	53.90	ug/l	100
59) Chlorobenzene	6.439	112	223969	74.26	ug/l	100
61) Bromoform	6.932	173	47416	45.85	ug/l	99
62) Ethylbenzene	6.489	106	95448	50.93	ug/l	87
63) 1,1,2,2-Tetrachloroethane	7.178	83	50026	44.32	ug/l	93
65) Styrene	6.804	104	229172	52.44	ug/l	90
66) m&p-Xylenes	6.558	106	283386	99.64	ug/l	89

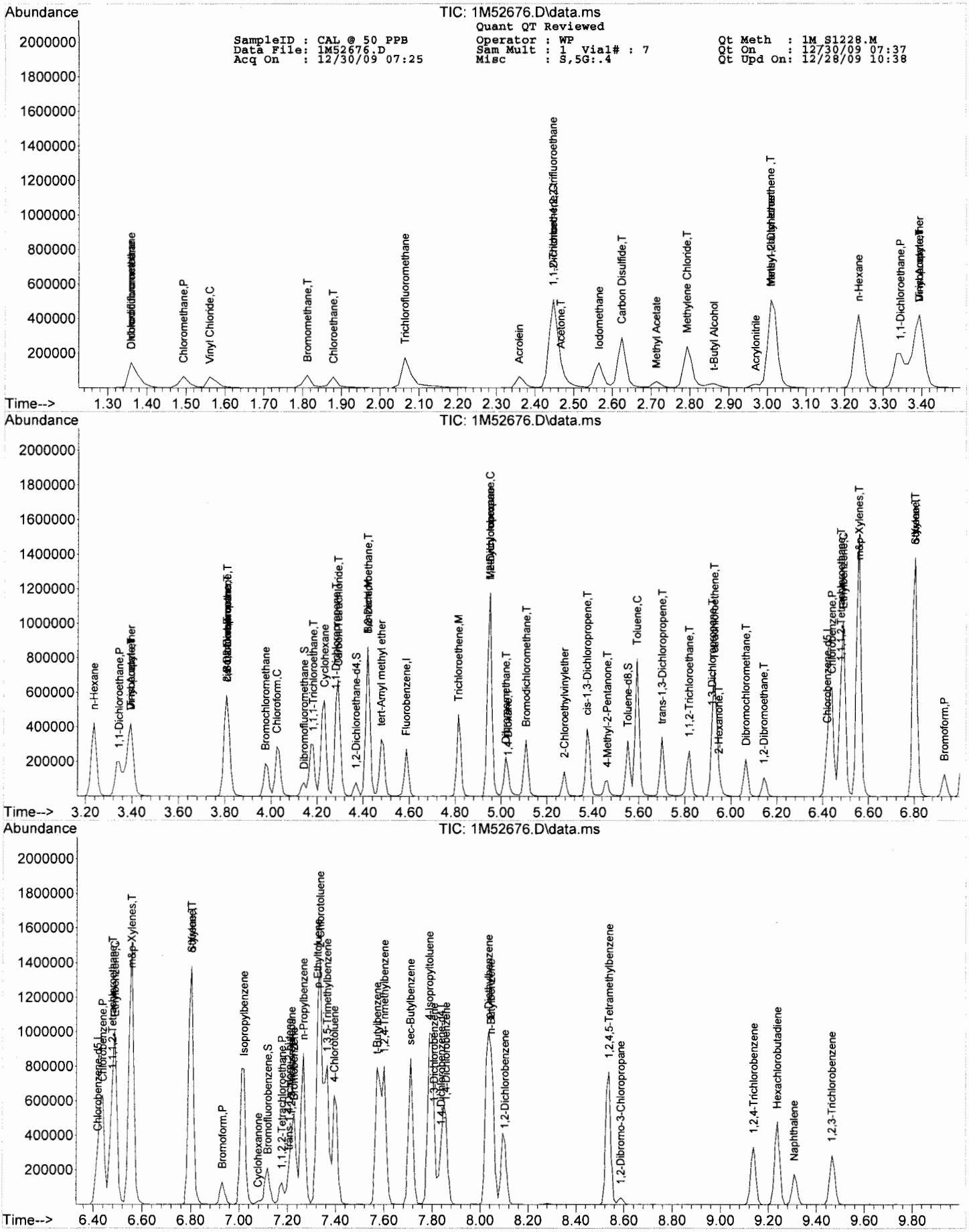
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52676.D Sam Mult : 1 Vial# : 7 Qt On : 12/30/09 07:37
Acq On : 12/30/09 07:25 Misc : S,5G:.4 Qt Upd On: 12/28/09 10:38

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) o-Xylene	6.804	106	142062	65.04 ug/l	87
68) trans-1,4-Dichloro-2-b...	7.208	53	24923	46.88 ug/l	68
69) 1,3-Dichlorobenzene	7.809	146	166711	54.11 ug/l	92
70) 1,4-Dichlorobenzene	7.859	146	165025	66.79 ug/l	93
71) 1,2-Dichlorobenzene	8.105	146	137781	52.92 ug/l	93
72) Isopropylbenzene	7.021	105	403811	56.44 ug/l	97
73) Cyclohexanone	7.080	55	9036	223.37 ug/l	91
74) 1,2,3-Trichloropropane	7.218	75	79604	47.23 ug/l	88
75) 2-Chlorotoluene	7.336	91	249856	60.08 ug/l	96
76) p-Ethyltoluene	7.326	105	423704	70.36 ug/l	93
77) 4-Chlorotoluene	7.395	91	216320	50.89 ug/l	96
78) n-Propylbenzene	7.267	91	485351	55.79 ug/l	97
79) Bromobenzene	7.228	77	224253	49.15 ug/l	83
80) 1,3,5-Trimethylbenzene	7.366	105	324414m	55.57 ug/l	
81) t-Butylbenzene	7.573	119	312321	57.35 ug/l	88
82) 1,2,4-Trimethylbenzene	7.602	105	327230	54.91 ug/l	95
83) sec-Butylbenzene	7.711	105	415983	59.80 ug/l	97
84) 4-Isopropyltoluene	7.790	119	330656	61.86 ug/l	94
85) n-Butylbenzene	8.046	91	420906	60.31 ug/l	99
86) p-Diethylbenzene	8.036	119	237222	60.41 ug/l	95
87) 1,2,4,5-Tetramethylben...	8.539	119	341657	56.41 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	8.588	157	8181	43.89 ug/l	57
89) Hexachlorobutadiene	9.238	225	97926	57.48 ug/l	99
90) 1,2,4-Trichlorobenzene	9.140	180	93905	51.84 ug/l	98
91) 1,2,3-Trichlorobenzene	9.465	180	81501	49.02 ug/l	97
92) Naphthalene	9.307	128	108506	43.31 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M52676.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 1M52676.D
Acq On : 12/30/09 07:25
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : S,5G:.4
Qt Meth : 1M_S1228.M
Qt On : 12/30/09 07:37
Qt Upd On: 12/28/09 10:38
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 1M52676.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
Bromoform,P
Time-->

Abundance
TIC: 1M52676.D\data.ms
m&p-Xylenes,T
Isopropylbenzene
Bromoform,P
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
1,3,5-Trimethylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,2-Dichlorobenzene
1,2-Dibromo-3-Chloropropane
1,2,4,5-Tetramethylbenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M52700.D **Instrument:** GCMS 1

Cont Calibration Date/Time 12/30/2009 2:10:00 **Method:** EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.59	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.36	41.02				0.743			
Dichlorodifluoromethane	1	0		1.36	32.12	50			0.320	0.205	35.76	
Chloromethane	1	0	CP	1.48	43.51	50	0.1		0.378	0.329	12.98	
Bromomethane	1	0		1.81	50.63	50			0.157	0.159	1.26	
Vinyl Chloride	1	0	CC	1.56	51.45	50	20		0.313	0.322	2.90	
Chloroethane	1	0		1.88	51.05	50			0.170	0.174	2.10	
Trichlorofluoromethane	1	0		2.06	54.82	50			0.607	0.665	9.64	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.45	45.63	50			0.337	0.308	8.74	
Methylene Chloride	1	0		2.79	54.50	50			0.350	0.381	9.00	
Acrolein	1	0		2.36	282.21	250			0.044	0.049	12.88	
Acrylonitrile	1	0		2.97	41.19	50			0.086	0.071	17.62	
Iodomethane	1	0		2.56	59.45	50			0.512	0.609	18.90	
Acetone	1	0		2.47	261.24	250			0.070	0.073	4.50	
Carbon Disulfide	1	0		2.62	54.93	50			1.140	1.253	9.86	
t-Butyl Alcohol	1	0		2.87	249.29	250			0.011	0.011	0.28	
n-Hexane	1	0		3.23	49.34	50			0.545	0.538	1.32	
Di-isopropyl-ether	1	0		3.39	51.83	50			1.350	1.400	3.66	
1.1-Dichloroethene	1	0	CC	2.45	53.06	50	20		0.670	0.711	6.12	
Methyl Acetate	1	0		2.71	45.16	50			0.216	0.195	9.68	
Methyl-t-butyl ether	1	0		3.02	52.21	50			0.535	0.559	4.42	
1.1-Dichloroethane	1	0	CP	3.34	55.42	50	0.1		0.768	0.851	10.84	
trans-1.2-Dichloroethene	1	0		3.02	55.08	50			0.339	0.373	10.16	
cis-1.2-Dichloroethene	1	0		3.81	54.53	50			0.730	0.796	9.06	
Bromochloromethane	1	0		3.98	52.86	50			0.345	0.364	5.72	
2.2-Dichloropropane	1	0		3.82	54.27	50			0.504	0.547	8.54	
1.4-Dioxane	1	0		5.03	2875.75	2500			0.002	0.002	15.03	
1.1-Dichloropropene	1	0		4.29	52.46	50			0.569	0.597	4.92	
Chloroform	1	0	CC	4.03	56.90	50	20		0.690	0.785	13.80	
Dibromofluoromethane	1	0	S	4.14	30.41	75			0.271	0.275	1.37	
Cyclohexane	1	0		4.23	46.76	50			0.768	0.718	6.48	
1.2-Dichloroethane-d4	1	0	S	4.38	27.96	75			0.053	0.049	6.80	
1.2-Dichloroethane	1	0		4.42	74.29	50			0.542	0.581	48.58	
2-Butanone	1	0		3.81	52.83	50			0.117	0.123	5.66	
1.1.1-Trichloroethane	1	0		4.18	53.30	50			0.567	0.605	6.60	
Carbon Tetrachloride	1	0		4.30	53.02	50			0.497	0.527	6.04	
Vinyl Acetate	1	0		3.39	53.10	50			1.151	1.223	6.20	
Bromodichloromethane	1	0		5.11	54.95	50			0.560	0.616	9.90	
Methylcyclohexane	1	0		4.95	54.11	50			0.630	0.682	8.22	
Dibromomethane	1	0		5.03	54.33	50			0.229	0.249	8.66	
1.2-Dichloropropane	1	0	CC	4.95	52.75	50	20		0.414	0.436	5.50	
Trichloroethene	1	0		4.82	54.00	50			0.388	0.419	8.00	
Benzene	1	0		4.43	50.69	50			1.460	1.480	1.38	
tert-Amyl methyl ether	1	0		4.49	46.66	50			0.539	0.503	6.68	
Chlorobenzene-d5	1	0	I	6.42	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		6.06	53.93	50			0.478	0.516	7.86	
2-Chloroethylvinylether	1	0		5.27	50.91	50			0.218	0.222	1.82	
cis-1.3-Dichloropropene	1	0		5.38	53.86	50			0.798	0.860	7.72	
trans-1.3-Dichloropropene	1	0		5.71	54.67	50			0.664	0.726	9.34	
1.1.2-Trichloroethane	1	0		5.82	54.17	50			0.346	0.375	8.34	
1.2-Dibromoethane	1	0		6.15	52.99	50			0.353	0.374	5.98	
1.3-Dichloropropane	1	0		5.93	71.27	50			0.655	0.702	42.54	
4-Methyl-2-Pentanone	1	0		5.46	51.37	50			0.322	0.331	2.74	
2-Hexanone	1	0		5.95	53.81	50			0.220	0.237	7.62	
Tetrachloroethene	1	0		5.93	50.89	50			0.507	0.516	1.78	
Toluene-d8	1	0	S	5.56	30.39	75			0.894	0.906	1.30	
Toluene	1	0	CC	5.60	47.81	50	20		1.289	1.232	4.38	
1.1.1.2-Tetrachloroethane	1	0		6.48	49.40	50			0.467	0.462	1.20	
Chlorobenzene	1	0	CP	6.44	65.63	50	0.3		1.297	1.323	31.26	
1.4-Dichlorobenzene-d4	1	0	I	7.85	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.93	46.24	50	0.1		0.576	0.533	7.52	
Ethylbenzene	1	0	CC	6.50	42.09	50	20		1.043	0.878	15.82	
1.1.2.2-Tetrachloroethane	1	0	CP	7.18	46.66	50	0.3		0.628	0.587	6.68	
Bromofluorobenzene	1	0	S	7.13	28.43	75			0.890	0.843	5.23	
Styrene	1	0		6.80	45.81	50			2.433	2.229	8.38	
m&p-Xylenes	1	0		6.56	88.62	100			1.584	1.403	11.38	
o-Xylene	1	0		6.80	56.81	50			1.465	1.382	13.62	
trans-1.4-Dichloro-2-butene	1	0		7.21	46.13	50			0.296	0.273	7.74	
1.3-Dichlorobenzene	1	0		7.81	48.99	50			1.715	1.681	2.02	
1.4-Dichlorobenzene	1	0		7.86	57.03	50			1.740	1.569	14.06	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M52700.D **Instrument:** GCMS 1

Cont Calibration Date/Time 12/30/2009 2:10:00 **Method:** EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Dichlorobenzene	1	0		8.10	46.40	50			1.450	1.345	7.20	
Isopropylbenzene	1	0		7.02	49.04	50			3.984	3.907	1.92	
Cyclohexanone	1	0		7.09	217.68				0.019			
1,2,3-Trichloropropane	1	0		7.22	47.13	50			0.938	0.885	5.74	
2-Chlorotoluene	1	0		7.33	47.82	50			2.458	2.235	4.36	
p-Ethyltoluene	1	0		7.33	70.40				4.442			
4-Chlorotoluene	1	0		7.40	48.21	50			2.367	2.282	3.58	
n-Propylbenzene	1	0		7.27	49.56	50			4.844	4.801	0.88	
Bromobenzene	1	0		7.23	43.64	50			2.541	2.218	12.72	
1,3,5-Trimethylbenzene	1	0		7.36	41.63	50			3.251	2.706	16.74	
t-Butylbenzene	1	0		7.58	50.70	50			3.032	3.074	1.40	
1,2,4-Trimethylbenzene	1	0		7.60	49.12	50			3.318	3.260	1.76	
sec-Butylbenzene	1	0		7.72	54.86	50			3.873	4.250	9.72	
4-Isopropyltoluene	1	0		7.80	56.08	50			2.976	3.338	12.16	
n-Butylbenzene	1	0		8.05	55.60	50			3.886	4.321	11.20	
p-Diethylbenzene	1	0		8.03	54.40				2.186			
1,2,4,5-Tetramethylbenzene	1	0		8.54	51.64				3.372			
1,2-Dibromo-3-Chloropropane	1	0		8.59	49.20	50			0.104	0.102	1.60	
Hexachlorobutadiene	1	0		9.24	58.50	50			0.949	1.110	17.00	
1,2,4-Trichlorobenzene	1	0		9.14	49.71	50			1.009	1.003	0.58	
1,2,3-Trichlorobenzene	1	0		9.47	46.89	50			0.926	0.868	6.22	
Naphthalene	1	0		9.32	41.54	50			1.395	1.159	16.92	
1,2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB
Data File: 1M52700.D
Acq On : 12/30/09 14:10

Operator : WP
Sam Mult : 1 Vial# : 28
Misc : S,5G:.4

Qt Meth : 1M_S1228.M
Qt On : 12/30/09 14:56
Qt Upd On: 12/28/09 10:38

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-3009\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.595	96	102194	30.00	ug/l	-0.02
45) Chlorobenzene-d5	6.418	117	74127	30.00	ug/l	-0.03
60) 1,4-Dichlorobenzene-d4	7.847	152	44409	30.00	ug/l	-0.02
System Monitoring Compounds						
30) Dibromofluoromethane	4.141	111	28086	30.41	ug/l	-0.03
Spiked Amount 30.000			Recovery =	101.37%		
32) 1,2-Dichloroethane-d4	4.378	102	5025	27.96	ug/l	-0.02
Spiked Amount 30.000			Recovery =	93.20%		
56) Toluene-d8	5.560	100	67163	30.39	ug/l	-0.02
Spiked Amount 30.000			Recovery =	101.30%		
64) Bromofluorobenzene	7.128	174	37429	28.43	ug/l	-0.02
Spiked Amount 30.000			Recovery =	94.77%		
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.361	51	103865	41.02	ug/l	1
3) Dichlorodifluoromethane	1.361	85	34974	32.12	ug/l	94
4) Chloromethane	1.478	50	56021	43.51	ug/l	98
5) Bromomethane	1.813	94	27071	50.63	ug/l	96
6) Vinyl Chloride	1.562	62	54875	51.45	ug/l	98
7) Chloroethane	1.880	64	29607	51.05	ug/l	94
8) Trichlorofluoromethane	2.065	101	113344	54.82	ug/l	99
9) 1,1,2-Trichloro-1,2,2-...	2.446	101	52405	45.63	ug/l	94
10) Methylene Chloride	2.791	84	64972	54.50	ug/l	94
11) Acrolein	2.357	56	41887	282.21	ug/l	99
12) Acrylonitrile	2.968	53	12105	41.19	ug/l	91
13) Iodomethane	2.564	142	103654	59.45	ug/l	77
14) Acetone	2.466	43	62114	261.24	ug/l	99
15) Carbon Disulfide	2.623	76	213391	54.93	ug/l	100
16) t-Butyl Alcohol	2.870	59	9193	249.29	ug/l	93
17) n-Hexane	3.234	57	91570	49.34	ug/l	88
18) Di-isopropyl-ether	3.392	45	238393	51.83	ug/l	89
19) 1,1-Dichloroethene	2.446	61	121122	53.06	ug/l	91
20) Methyl Acetate	2.712	43	33228	45.16	ug/l	100
21) Methyl-t-butyl ether	3.018	73	95182	52.21	ug/l	73
22) 1,1-Dichloroethane	3.343	63	144977	55.42	ug/l	100
23) trans-1,2-Dichloroethene	3.018	96	63609	55.08	ug/l	86
24) cis-1,2-Dichloroethene	3.806	61	135513	54.53	ug/l	91
25) Bromochloromethane	3.984	49	62081	52.86	ug/l	83
26) 2,2-Dichloropropane	3.816	77	93244	54.27	ug/l	91
27) 1,4-Dioxane	5.028	88	19431	2875.75	ug/l	75
28) 1,1-Dichloropropene	4.289	75	101723	52.46	ug/l	98
29) Chloroform	4.033	83	133760	56.90	ug/l	97
31) Cyclohexane	4.230	56	122336	46.76	ug/l	91
33) 1,2-Dichloroethane	4.417	62	99030	74.29	ug/l	99
34) 2-Butanone	3.806	43	21001	52.83	ug/l	98
35) 1,1,1-Trichloroethane	4.181	97	102998	53.30	ug/l	99
36) Carbon Tetrachloride	4.299	117	89823	53.02	ug/l	92
37) Vinyl Acetate	3.392	43	208240	53.10	ug/l	100
38) Bromodichloromethane	5.107	83	104886	54.95	ug/l	95
39) Methylcyclohexane	4.949	83	116218	54.11	ug/l	80
40) Dibromomethane	5.028	174	42435	54.33	ug/l	93
41) 1,2-Dichloropropane	4.949	63	74332	52.75	ug/l	94
42) Trichloroethene	4.821	130	71381	54.00	ug/l	94
43) Benzene	4.427	78	252032	50.69	ug/l	100
44) tert-Amyl methyl ether	4.486	73	85647	46.66	ug/l	91
46) Dibromochloromethane	6.063	129	63690	53.93	ug/l	99
47) 2-Chloroethylvinylether	5.275	63	27420	50.91	ug/l	89
48) cis-1,3-Dichloropropene	5.383	75	106251	53.86	ug/l	98
49) trans-1,3-Dichloropropene	5.708	75	89747	54.67	ug/l	96
50) 1,1,2-Trichloroethane	5.817	97	46375	54.17	ug/l	94
51) 1,2-Dibromoethane	6.152	107	46234	52.99	ug/l	88
52) 1,3-Dichloropropane	5.925	76	86773	71.27	ug/l	94
53) 4-Methyl-2-Pentanone	5.462	43	40934	51.37	ug/l	90
54) 2-Hexanone	5.955	43	29231	53.81	ug/l	98
55) Tetrachloroethene	5.935	164	63792	50.89	ug/l	99
57) Toluene	5.600	92	152235	47.81	ug/l	96
58) 1,1,1,2-Tetrachloroethane	6.477	133	57062	49.40	ug/l	94
59) Chlorobenzene	6.438	112	163440	65.63	ug/l	98
61) Bromoform	6.930	173	39417	46.24	ug/l	98
62) Ethylbenzene	6.497	106	65008	42.09	ug/l	100
63) 1,1,2,2-Tetrachloroethane	7.177	83	43413	46.66	ug/l	86
65) Styrene	6.802	104	164990	45.81	ug/l	82
66) m&p-Xylenes	6.556	106	207737	88.62	ug/l	90

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB
Data File: 1M52700.D
Acq On : 12/30/09 14:10

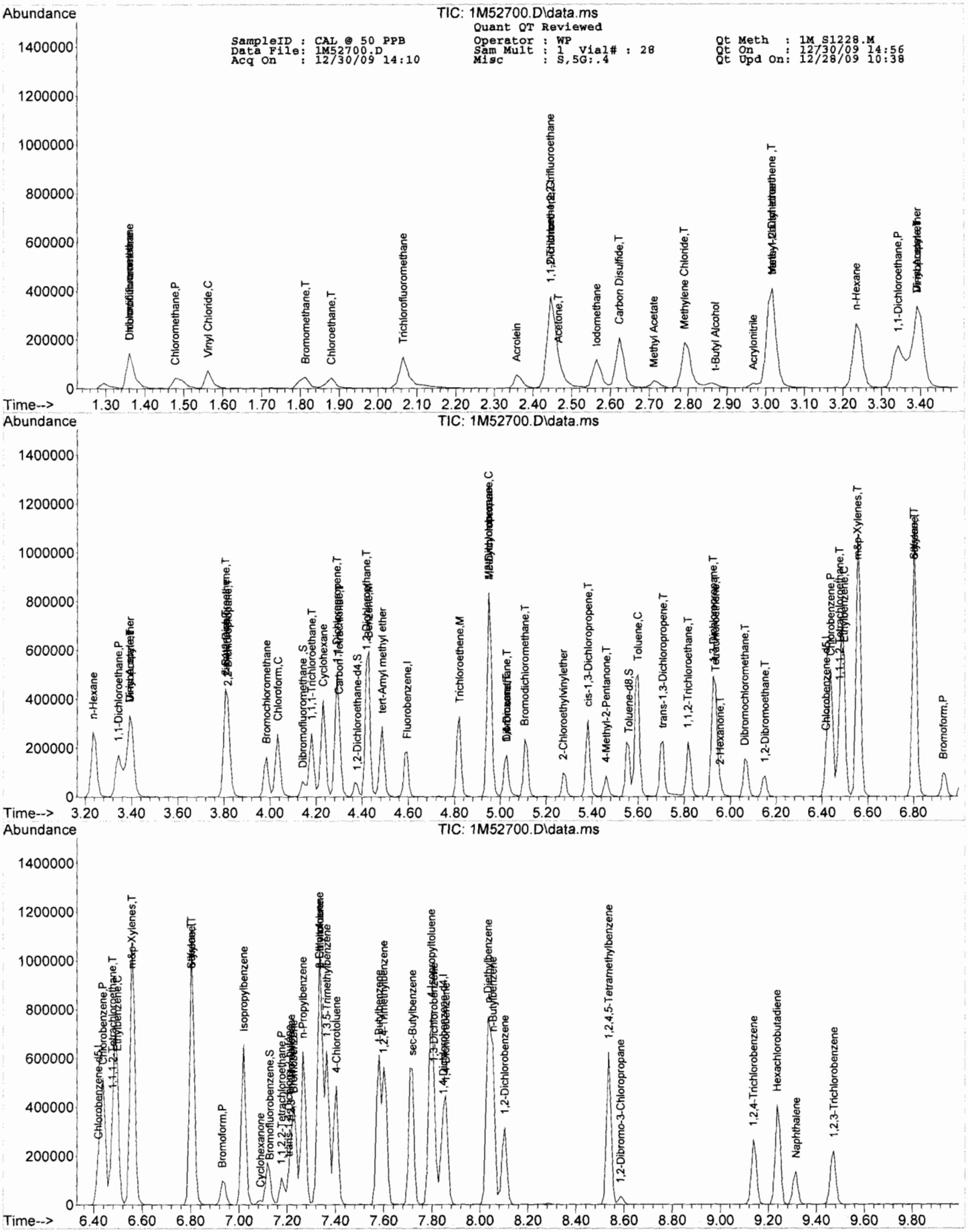
Operator : WP
Sam Mult : 1 Vial# : 28
Misc : S,5G:.4

Qt Meth : 1M_S1228.M
Qt On : 12/30/09 14:56
Qt Upd On: 12/28/09 10:38

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-3009\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) o-Xylene	6.802	106	102284	56.81 ug/l	83
68) trans-1,4-Dichloro-2-b...	7.206	53	20217	46.13 ug/l	70
69) 1,3-Dichlorobenzene	7.808	146	124417	48.99 ug/l	93
70) 1,4-Dichlorobenzene	7.857	146	116133	57.03 ug/l	91
71) 1,2-Dichlorobenzene	8.103	146	99573	46.40 ug/l	92
72) Isopropylbenzene	7.019	105	289173	49.04 ug/l	97
73) Cyclohexanone	7.088	55	7258	217.68 ug/l	88
74) 1,2,3-Trichloropropane	7.216	75	65476	47.13 ug/l	92
75) 2-Chlorotoluene	7.334	91	165440	47.82 ug/l	95
76) p-Ethyltoluene	7.334	105	349409	70.40 ug/l	97
77) 4-Chlorotoluene	7.403	91	168896	48.21 ug/l	95
78) n-Propylbenzene	7.265	91	355360	49.56 ug/l	98
79) Bromobenzene	7.226	77	164139	43.64 ug/l	86
80) 1,3,5-Trimethylbenzene	7.364	105	200314m	41.63 ug/l	
81) t-Butylbenzene	7.581	119	227541	50.70 ug/l	87
82) 1,2,4-Trimethylbenzene	7.601	105	241285	49.12 ug/l	95
83) sec-Butylbenzene	7.719	105	314551	54.86 ug/l	97
84) 4-Isopropyltoluene	7.798	119	247037	56.08 ug/l	93
85) n-Butylbenzene	8.054	91	319789	55.60 ug/l	99
86) p-Diethylbenzene	8.034	119	176064	54.40 ug/l	95
87) 1,2,4,5-Tetramethylben...	8.537	119	257773	51.64 ug/l	97
88) 1,2-Dibromo-3-Chloropr...	8.586	157	7559	49.20 ug/l	77
89) Hexachlorobutadiene	9.237	225	82144	58.50 ug/l	98
90) 1,2,4-Trichlorobenzene	9.138	180	74221	49.71 ug/l	99
91) 1,2,3-Trichlorobenzene	9.473	180	64253	46.89 ug/l	95
92) Naphthalene	9.315	128	85784	41.54 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M52700.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 1M52700.D
Acq On : 12/30/09 14:10
Operator : WP
Sam Mult : 1 Vial# : 28
Misc : S,5G:.4
Qt Meth : 1M_S1228.M
Qt On : 12730/09 14:56
Qt Upd On: 12/28/09 10:38
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromoform,P
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
sec-Butylbenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-Chloropropane
1,2,4,5-Tetramethylbenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

GC/MS Volatile Data
Raw QC Data

Form 5

Tune Name: BFB TUNE **Data File:** 1M52576.D
Instrument: GCMS 1 **Analysis Date:** 12/28/09 07:31
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.444 to 4.464 min

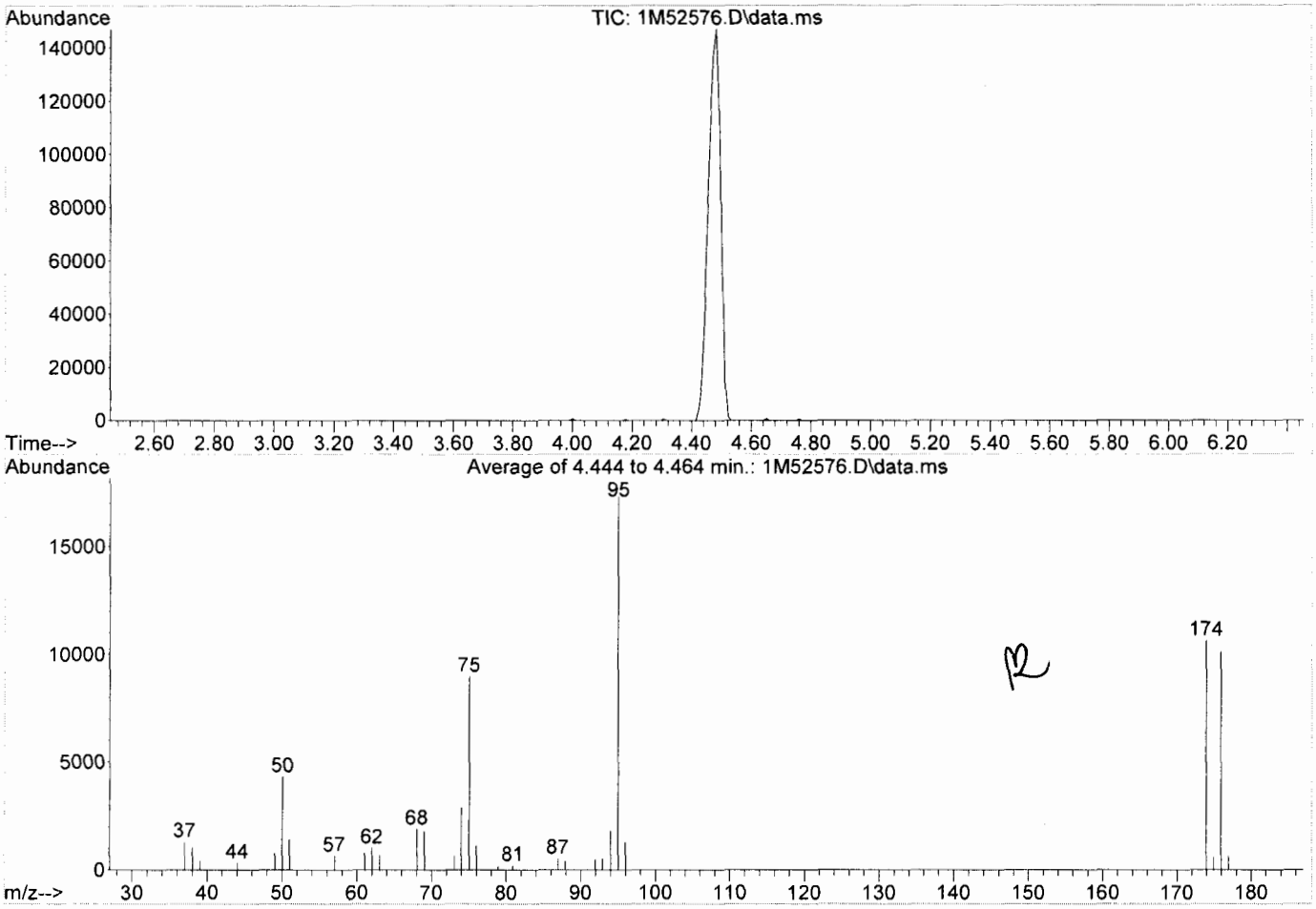
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	25.0	4323	PASS
75	95	30	60	51.9	8977	PASS
95	95	100	100	100.0	17309	PASS
96	95	5	9	7.5	1303	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	61.4	10620	PASS
175	174	5	9	5.4	573	PASS
176	174	95	101	95.2	10113	PASS
177	176	5	9	6.3	635	PASS

Data File	Sample Number	Analysis Date:
1M52577.D	CAL @ 500 PPB	12/28/09 07:40
1M52578.D	CAL @ 250 PPB	12/28/09 07:57
1M52579.D	CAL @ 100 PPB	12/28/09 08:13
1M52580.D	CAL @ 50 PPB	12/28/09 08:29
1M52581.D	CAL @ 20 PPB	12/28/09 08:45
1M52582.D	CAL @ 10 PPB	12/28/09 09:02
1M52583.D	CAL @ 5 PPB	12/28/09 09:18
1M52584.D	BLK	12/28/09 09:34
1M52585.D	CAL @ 1 PPB	12/28/09 09:50
1M52586.D	CAL @ 0.5 PPB	12/28/09 10:06
1M52587.D	ICV	12/28/09 10:22
1M52588.D	BLK	12/28/09 10:48
1M52589.D	DAILY BLANK	12/28/09 11:04
1M52591.D	MBS14434	12/28/09 11:26
1M52592.D	MBS14435	12/28/09 11:48
1M52593.D	BLK	12/28/09 12:05
1M52594.D	AC49045-001	12/28/09 12:21
1M52595.D	AC49045-002	12/28/09 12:37
1M52596.D	AC49045-003	12/28/09 12:53
1M52597.D	BLK	12/28/09 13:09
1M52598.D	AC48983-006	12/28/09 13:25
1M52599.D	AC49029-001	12/28/09 13:42
1M52600.D	MBS14437	12/28/09 13:58
1M52601.D	BLK	12/28/09 14:14
1M52602.D	AC49060-004	12/28/09 14:30
1M52603.D	AC49073-003	12/28/09 14:46
1M52604.D	AC49073-004	12/28/09 15:02
1M52605.D	AC49073-005	12/28/09 15:18
1M52606.D	AC49073-006	12/28/09 15:35
1M52607.D	AC49095-001	12/28/09 15:51
1M52608.D	AC49095-002	12/28/09 16:07
1M52609.D	AC49095-003	12/28/09 16:23
1M52610.D	AC49095-004	12/28/09 16:39
1M52611.D	AC49082-001	12/28/09 16:55
1M52612.D	AC49099-002	12/28/09 17:12
1M52613.D	AC49099-005	12/28/09 17:28
1M52614.D	AC49084-001(5X)	12/28/09 17:44
1M52615.D	AC49099-001(5X)	12/28/09 18:00
1M52616.D	AC49099-004(5X)	12/28/09 18:16
1M52617.D	AC49082-001(MS)	12/28/09 18:32
1M52618.D	AC49082-001(MSD	12/28/09 18:48
1M52619.D	BLK	12/28/09 19:04
1M52620.D	BLK	12/28/09 19:20
1M52621.D	BLK	12/28/09 19:36
1M52622.D	BLK	12/28/09 19:53
1M52623.D	BLK	12/28/09 20:09

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Data File : 1M52576.D
Acq On : 28 Dec 2009 7:31
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1223.M
Title : @GCMS_1,ug,624,8260
Last Update : Wed Dec 23 15:28:17 2009



Spectrum Information: Average of 4.444 to 4.464 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.0	4323	PASS
75	95	30	60	51.9	8977	PASS
95	95	100	100	100.0	17309	PASS
96	95	5	9	7.5	1303	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	61.4	10620	PASS
175	174	5	9	5.4	573	PASS
176	174	95	101	95.2	10113	PASS
177	176	5	9	6.3	635	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 1M52674.D
Instrument: GCMS 1 **Analysis Date:** 12/30/09 06:48
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.457 to 4.477 min

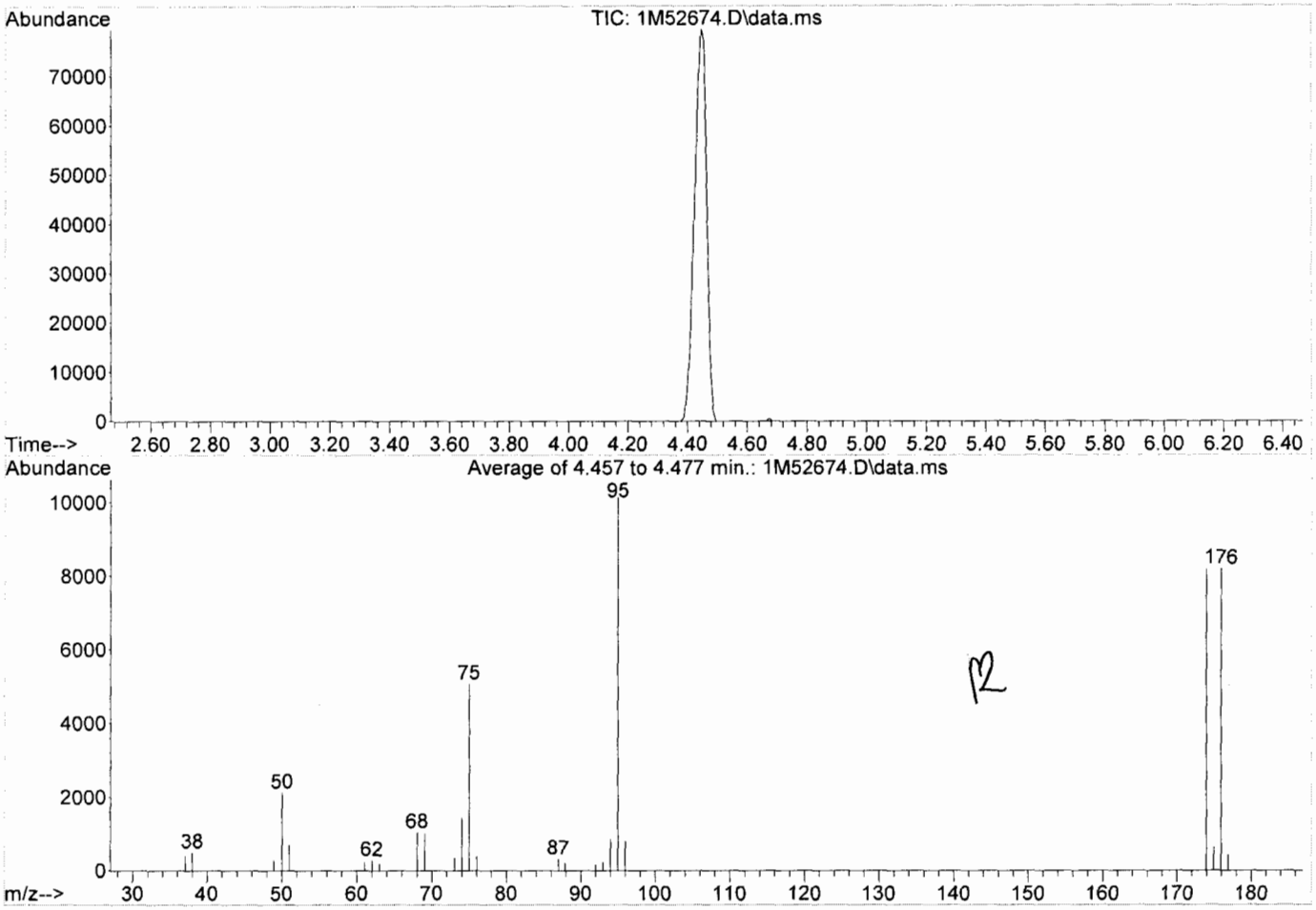
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.9	2117	PASS
75	95	30	60	50.0	5065	PASS
95	95	100	100	100.0	10131	PASS
96	95	5	9	7.9	803	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	80.7	8180	PASS
175	174	5	9	7.8	641	PASS
176	174	95	101	100.2	8193	PASS
177	176	5	9	5.3	431	PASS

Data File	Sample Number	Analysis Date:
1M52675.D	50 PPB	12/30/09 07:03
1M52676.D	CAL @ 50 PPB	12/30/09 07:25
1M52677.D	BLK	12/30/09 07:46
1M52678.D	DAILY BLANK	12/30/09 08:02
1M52679.D	AC49098-001	12/30/09 08:22
1M52680.D	MBS14456	12/30/09 08:41
1M52681.D	BLK	12/30/09 08:57
1M52682.D	AC49098-008	12/30/09 09:15
1M52683.D	AC49095-011	12/30/09 09:31
1M52684.D	AC49095-012	12/30/09 09:47
1M52685.D	AC49109-003	12/30/09 10:03
1M52686.D	AC49073-001	12/30/09 10:19
1M52687.D	MBS14460	12/30/09 10:36
1M52688.D	BLK	12/30/09 10:52
1M52689.D	AC49122-002	12/30/09 11:11
1M52690.D	BLK	12/30/09 11:27
1M52691.D	AC49122-003	12/30/09 11:44
1M52692.D	AC49122-004	12/30/09 12:00
1M52693.D	AC49122-005	12/30/09 12:16
1M52694.D	AC49122-006	12/30/09 12:43
1M52695.D	AC49122-007	12/30/09 12:59
1M52696.D	AC49122-008	12/30/09 13:15
1M52697.D	AC49122-009	12/30/09 13:31
1M52698.D	AC49122-010	12/30/09 13:48

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-30-09\
Data File : 1M52674.D
Acq On : 30 Dec 2009 6:48
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Title : @GCMS_1,ug,624,8260
Last Update : Wed Dec 30 16:14:08 2009



Spectrum Information: Average of 4.457 to 4.477 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.9	2117	PASS
75	95	30	60	50.0	5065	PASS
95	95	100	100	100.0	10131	PASS
96	95	5	9	7.9	803	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	80.7	8180	PASS
175	174	5	9	7.8	641	PASS
176	174	95	101	100.2	8193	PASS
177	176	5	9	5.3	431	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 1M52699.D
Instrument: GCMS 1 **Analysis Date:** 12/30/09 14:00
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.408 to 4.427 min

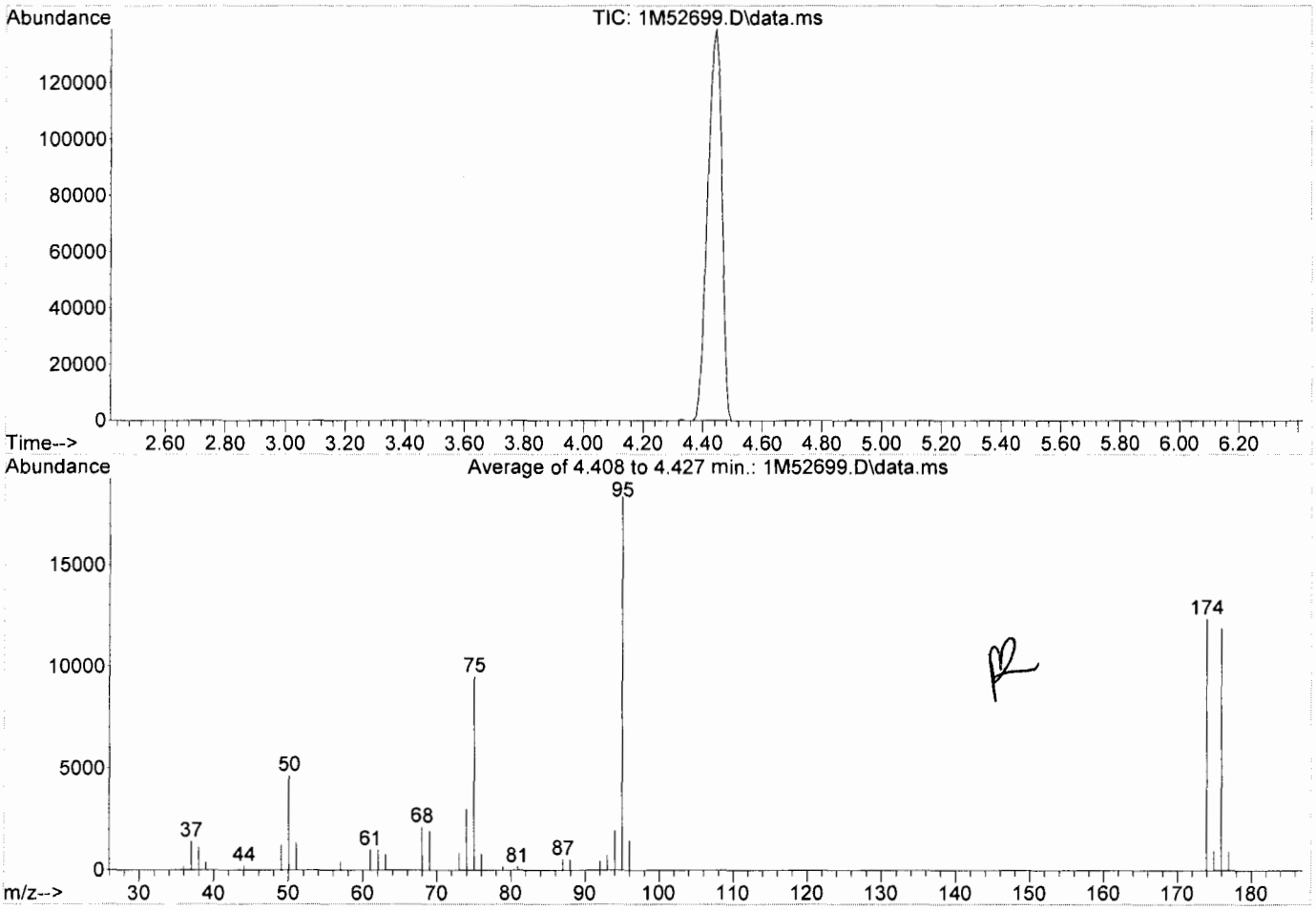
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	25.3	4635	PASS
75	95	30	60	51.9	9509	PASS
95	95	100	100	100.0	18332	PASS
96	95	5	9	8.0	1464	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.3	12343	PASS
175	174	5	9	7.9	971	PASS
176	174	95	101	96.3	11882	PASS
177	176	5	9	8.0	947	PASS

Data File	Sample Number	Analysis Date:
1M52700.D	CAL @ 50 PPB	12/30/09 14:10
1M52701.D	BLK	12/30/09 14:33
1M52702.D	DAILY BLANK	12/30/09 14:49
1M52703.D	AC49073-002	12/30/09 15:05
1M52704.D	MBS14459	12/30/09 15:21
1M52705.D	BLK	12/30/09 15:37
1M52706.D	AC49122-011	12/30/09 15:56
1M52707.D	AC49122-012	12/30/09 16:12
1M52708.D	AC49122-002	12/30/09 16:29
1M52709.D	AC49122-003	12/30/09 16:45
1M52710.D	AC49122-004	12/30/09 17:01
1M52711.D	AC49122-005	12/30/09 17:17
1M52712.D	AC49122-006	12/30/09 17:33
1M52713.D	AC49122-008	12/30/09 17:49
1M52714.D	AC49122-009	12/30/09 18:06
1M52715.D	AC49122-010	12/30/09 18:22
1M52716.D	AC49122-011	12/30/09 18:38
1M52717.D	AC49109-003(MS)	12/30/09 18:54
1M52718.D	AC49109-003(MSD	12/30/09 19:10
1M52719.D	BLK	12/30/09 19:26
1M52720.D	AC49111-001	12/30/09 19:42
1M52721.D	AC49111-002	12/30/09 19:58
1M52722.D	AC49114-001	12/30/09 20:15
1M52723.D	AC49114-002	12/30/09 20:31
1M52724.D	AC49114-003	12/30/09 20:47
1M52725.D	AC49114-004	12/30/09 21:03
1M52726.D	AC49114-005	12/30/09 21:19
1M52727.D	AC49114-006	12/30/09 21:35
1M52728.D	AC49114-007	12/30/09 21:51
1M52729.D	AC49114-008	12/30/09 22:07
1M52730.D	AC49114-009	12/30/09 22:23
1M52731.D	AC49117-001	12/30/09 22:39
1M52732.D	BLK	12/30/09 22:56
1M52733.D	BLK	12/30/09 23:12
1M52734.D	BLK	12/30/09 23:28
1M52735.D	BLK	12/30/09 23:44
1M52736.D	BLK	12/31/09 00:00
1M52737.D	BLK	12/31/09 00:16

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-3009\
Data File : 1M52699.D
Acq On : 30 Dec 2009 14:00
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Title : @GCMS_1,ug,624,8260
Last Update : Wed Dec 30 16:14:08 2009



Spectrum Information: Average of 4.408 to 4.427 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.3	4635	PASS
75	95	30	60	51.9	9509	PASS
95	95	100	100	100.0	18332	PASS
96	95	5	9	8.0	1464	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.3	12343	PASS
175	174	5	9	7.9	971	PASS
176	174	95	101	96.3	11882	PASS
177	176	5	9	8.0	947	PASS

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M52589.D
Analysis Date: 12/28/09 11:04
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0050	U	56-23-5	Carbon Tetrachloride	0.0050	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0050	U	108-90-7	Chlorobenzene	0.0050	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0050	U	75-00-3	Chloroethane	0.0050	U
79-00-5	1,1,2-Trichloroethane	0.0050	U	67-66-3	Chloroform	0.0050	U
75-34-3	1,1-Dichloroethane	0.0050	U	74-87-3	Chloromethane	0.0050	U
75-35-4	1,1-Dichloroethene	0.0050	U	156-59-2	cis-1,2-Dichloroethene	0.0050	U
96-18-4	1,2,3-Trichloropropane	0.0050	U	10061-01-5	cis-1,3-Dichloropropene	0.0050	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U	124-48-1	Dibromochloromethane	0.0050	U
95-50-1	1,2-Dichlorobenzene	0.0050	U	75-71-8	Dichlorodifluoromethane	0.0050	U
107-06-2	1,2-Dichloroethane	0.0050	U	100-41-4	Ethylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0050	U	98-82-8	Isopropylbenzene	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U	136777612	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0050	U	75-09-2	Methylene Chloride	0.0050	U
142-28-9	1,3-Dichloropropane	0.0050	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0050	U	104-51-8	n-Butylbenzene	0.0010	U
123-91-1	1,4-Dioxane	0.25	U	103-65-1	n-Propylbenzene	0.0010	U
78-93-3	2-Butanone	0.0050	U	95-47-6	o-Xylene	0.0010	U
110-75-8	2-Chloroethylvinylether	0.0050	U	135-98-8	sec-Butylbenzene	0.0010	U
591-78-6	2-Hexanone	0.0050	U	100-42-5	Styrene	0.0050	U
99-87-6	4-Isopropyltoluene	0.0010	U	75-65-0	t-Butyl Alcohol	0.025	U
108-10-1	4-Methyl-2-Pentanone	0.0050	U	98-06-6	t-Butylbenzene	0.0010	U
67-64-1	Acetone	0.025	U	127-18-4	Tetrachloroethene	0.0050	U
107-02-8	Acrolein	0.025	U	108-88-3	Toluene	0.0010	U
107-13-1	Acrylonitrile	0.0050	U	156-60-5	trans-1,2-Dichloroethene	0.0050	U
71-43-2	Benzene	0.0010	U	10061-02-6	trans-1,3-Dichloropropene	0.0050	U
75-27-4	Bromodichloromethane	0.0050	U	79-01-6	Trichloroethene	0.0050	U
75-25-2	Bromoform	0.0050	U	75-69-4	Trichlorofluoromethane	0.0050	U
74-83-9	Bromomethane	0.0050	U	75-01-4	Vinyl Chloride	0.0050	U
75-15-0	Carbon Disulfide	0.0050	U				

Worksheet #: 139316

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK	Matrix: Soil
Client Id:	Initial Vol: 5g
Data File: 1M52589.D	Final Vol: NA
Analysis Date: 12/28/09 11:04	Dilution: 1.00
Date Rec/Extracted:	Solids: 100
	Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 139316

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK
Data File: 1M52589.D
Acq On : 12/28/09 11:04

Operator : WP
Sam Mult : 1 Vial# : 14
Misc : S,5G

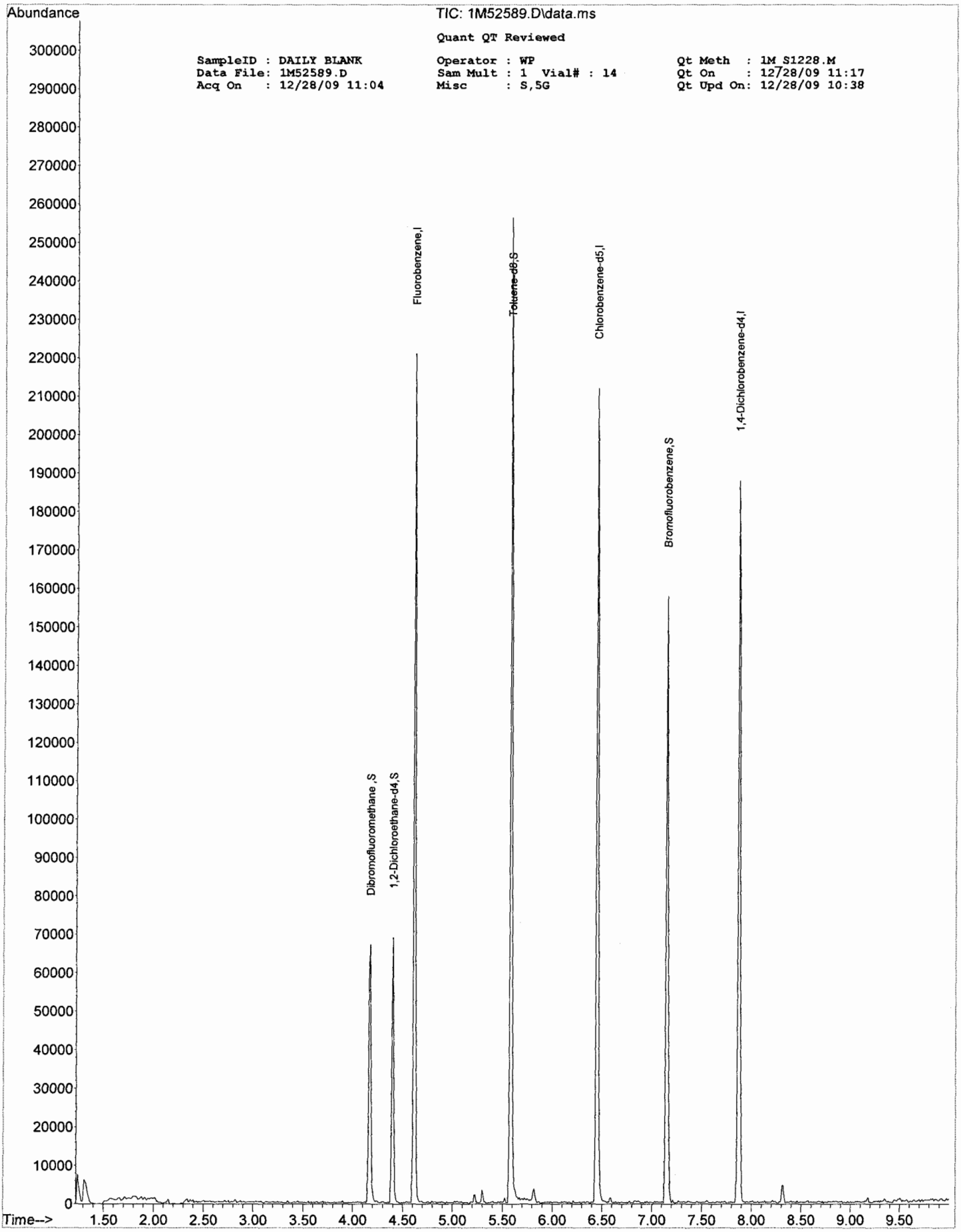
Qt Meth : 1M_S1228.M
Qt On : 12/28/09 11:17
Qt Upd On: 12/28/09 10:38

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.615	96	102430	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.448	117	75976	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.868	152	40981	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.172	111	30105	32.53	ug/l	0.00
Spiked Amount 30.000			Recovery =	108.43%		
32) 1,2-Dichloroethane-d4	4.398	102	6117	33.96	ug/l	0.00
Spiked Amount 30.000			Recovery =	113.20%		
56) Toluene-d8	5.581	100	66323	29.28	ug/l	0.00
Spiked Amount 30.000			Recovery =	97.60%		
64) Bromofluorobenzene	7.148	174	34181	28.13	ug/l	0.00
Spiked Amount 30.000			Recovery =	93.77%		
Target Compounds						Qvalue
Library Search Compounds						

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Ce


Abundance
TIC: 1M52589.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 1M52589.D
Acq On : 12/28/09 11:04
Operator : WP
Sam Mult : 1 Vial# : 14
Misc : S,5G
Qt Meth : 1M_S1228.M
Qt On : 12/28/09 11:17
Qt Upd On: 12/28/09 10:38
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Data File : 1M52589.D
Acq On : 28 Dec 2009 11:04
Operator : WP
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M52589.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.326	5	7	13	rVB	5453	15777	4.93%	0.924%
2	1.560	15	21	25	rBV3	1446	8898	2.78%	0.521%
3	1.661	25	27	29	rVV2	1610	5148	1.61%	0.301%
4	1.812	29	36	43	rVV6	2051	22228	6.95%	1.302%
5	2.013	43	48	53	rVV2	1727	9911	3.10%	0.580%
6	2.147	53	56	57	rVB2	1243	1919	0.60%	0.112%
7	2.339	63	67	69	rBV	1325	3701	1.16%	0.217%
8	2.398	69	73	75	rVV	701	1478	0.46%	0.087%
9	2.506	81	84	85	rBV	444	637	0.20%	0.037%
10	2.713	101	105	107	rVB	480	723	0.23%	0.042%
11	2.822	111	116	119	rBV	625	1073	0.34%	0.063%
12	2.960	127	130	135	rBV	193	522	0.16%	0.031%
13	3.127	145	147	151	rBV	504	1089	0.34%	0.064%
14	3.442	177	179	183	rVB	428	525	0.16%	0.031%
15	3.511	185	186	191	rVV	172	566	0.18%	0.033%
16	3.580	191	193	197	rVB	304	520	0.16%	0.030%
17	3.630	197	198	201	rVB	415	565	0.18%	0.033%
18	3.699	201	205	209	rBV	412	830	0.26%	0.049%
19	3.896	221	225	229	rVB	483	636	0.20%	0.037%
20	4.053	229	241	245	rVB	312	1485	0.46%	0.087%
21	4.172	249	253	257	rBV	67049	102459	32.03%	6.001%
22	4.290	263	265	269	rVB	342	547	0.17%	0.032%
23	4.398	273	276	281	rBV	68701	90161	28.19%	5.280%
24	4.615	295	298	303	rBV	220695	272789	85.28%	15.976%
25	4.684	303	305	309	rVB2	451	805	0.25%	0.047%
26	4.753	309	312	315	rVB	328	532	0.17%	0.031%
27	4.832	315	320	321	rVB	265	814	0.25%	0.048%
28	4.891	321	326	329	rBV	432	1018	0.32%	0.060%
29	5.019	337	339	343	rBV	386	790	0.25%	0.046%
30	5.088	343	346	353	rVB	411	849	0.27%	0.050%
31	5.226	355	360	363	rVB	2049	2858	0.89%	0.167%
32	5.295	363	367	371	rVB2	3315	4147	1.30%	0.243%
33	5.404	371	378	381	rBV	456	1045	0.33%	0.061%
34	5.522	385	390	391	rBV	1186	1194	0.37%	0.070%
35	5.581	391	396	401	rBV	256086	319890	100.00%	18.734%

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Data File : 1M52589.D
Acq On : 28 Dec 2009 11:04
Operator : WP
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Title : @GCMS_1,ug,624,8260

36	5.749	409	413	415	rVV2	327	994	0.31%	0.058%
37	5.818	415	420	427	rVB3	3994	9334	2.92%	0.547%
38	5.926	427	431	433	rBV	495	1415	0.44%	0.083%
39	6.025	439	441	445	rVB	258	521	0.16%	0.031%
40	6.094	445	448	457	rBV	328	923	0.29%	0.054%
41	6.448	479	484	489	rBV	211648	280970	87.83%	16.455%
42	6.586	495	498	501	rVB	1198	1289	0.40%	0.075%
43	6.705	507	510	515	rVB	247	749	0.23%	0.044%
44	6.774	515	517	521	rBV	573	601	0.19%	0.035%
45	6.833	521	523	529	rVB	585	1567	0.49%	0.092%
46	6.951	529	535	541	rBV	399	1134	0.35%	0.066%
47	7.030	541	543	551	rBV	405	1035	0.32%	0.061%
48	7.148	551	555	559	rVV	157574	218801	68.40%	12.814%
49	7.266	563	567	571	rBV	518	902	0.28%	0.053%
50	7.365	571	577	581	rVV	395	912	0.29%	0.053%
51	7.552	593	596	605	rVV	426	575	0.18%	0.034%
52	7.730	605	614	617	rVB	337	705	0.22%	0.041%
53	7.868	623	628	633	rBV	187491	272952	85.33%	15.986%
54	7.927	633	634	639	rVB	284	508	0.16%	0.030%
55	8.006	639	642	649	rVB	473	1485	0.46%	0.087%
56	8.134	649	655	661	rBV	587	1599	0.50%	0.094%
57	8.213	661	663	669	rVB	607	1025	0.32%	0.060%
58	8.321	669	674	677	rBV2	4607	7600	2.38%	0.445%
59	8.400	677	682	687	rVB	529	1267	0.40%	0.074%
60	8.508	687	693	695	rBV	329	1153	0.36%	0.068%
61	8.567	695	699	703	rVB	427	537	0.17%	0.031%
62	8.676	707	710	715	rVB	375	1224	0.38%	0.072%
63	8.824	715	725	735	rBV	488	3660	1.14%	0.214%
64	9.001	739	743	747	rBV	326	614	0.19%	0.036%
65	9.070	747	750	755	rVB	306	820	0.26%	0.048%
66	9.178	755	761	765	rVB	1344	2103	0.66%	0.123%
67	9.267	765	770	773	rBV	417	1312	0.41%	0.077%
68	9.346	773	778	781	rBV2	910	1653	0.52%	0.097%
69	9.445	781	788	791	rBV2	637	1478	0.46%	0.087%
70	9.504	791	794	799	rBV3	762	1160	0.36%	0.068%
71	9.573	799	801	803	rVB	625	773	0.24%	0.045%
72	9.652	803	809	815	rBV	722	2626	0.82%	0.154%
73	9.730	815	817	819	rBV	557	817	0.26%	0.048%
74	9.868	829	831	833	rVB2	374	570	0.18%	0.033%

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Data File : 1M52589.D
Acq On : 28 Dec 2009 11:04
Operator : WP
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

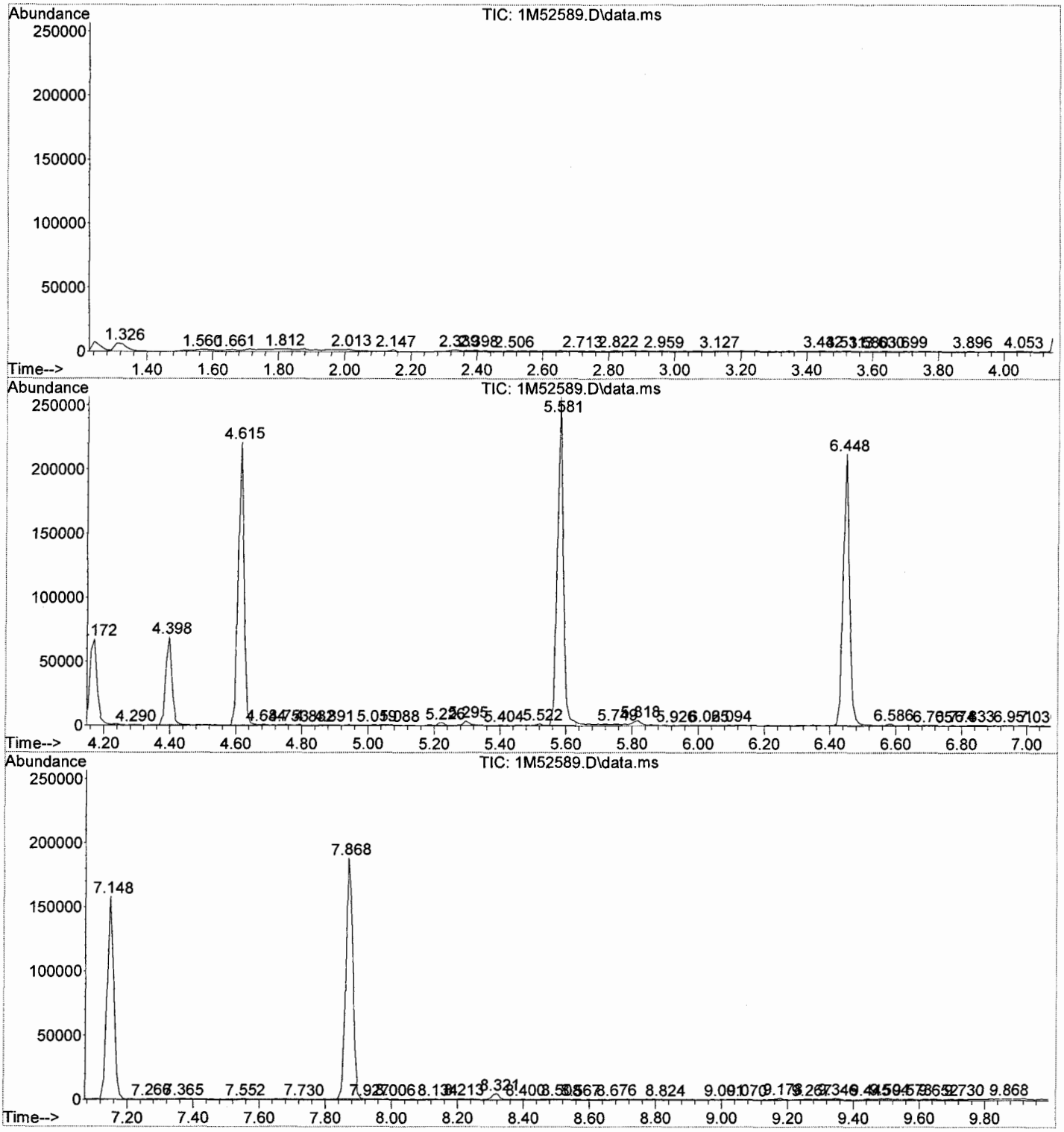
Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Title : @GCMS_1,ug,624,8260

Sum of corrected areas: 1707492

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Data File : 1M52589.D
Acq On : 28 Dec 2009 11:04
Operator : WP
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 14 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Data File : 1M52589.D
Acq On : 28 Dec 2009 11:04
Operator : WP
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 14 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1228.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard ExpRT	Internal Standard ActRt	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

Form3

MBS Data

Method: 8260

Data File:==>					1M52600.D			1M52687.D											
Data/Batch/Sample ID:==>					MBS14437-So			MBS14460-So											
Date/Time:==>					12/28/09 13:58			12/30/09 10:36											
Compound	Limit(s) Soil	Aq	Col	Mr	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec
1,1-Dichloroethane	14-127		1	0	42	50	84	43.71	50	87									
1,1-Dichloroethene	8-114		1	0	39.49	50	79	39.8	50	80									
1,2-Dichlorobenzen	19-113		1	0	47.32	50	95	46.82	50	94									
1,2-Dichloroethane	18-130		1	0	60.73	50	121	62.3	50	125									
1,4-Dichlorobenzen	20-110		1	0	54.79	50	110	45.39	50	91									
2-Butanone	4-141		1	0	39.16	50	78	41.79	50	84									
Benzene	21-122		1	0	44.32	50	89	43.23	50	86									
Carbon Tetrachlorid	19-122		1	0	48.87	50	98	46.09	50	92									
Chlorobenzene	21-117		1	0	55.17	50	110	56.05	50	112									
Chloroform	26-119		1	0	44.48	50	89	45.47	50	91									
n-Propylbenzene	16-122		1	0	46.61	50	93	44.91	50	90									
sec-Butylbenzene	9-125		1	0	51.87	50	104	49.79	50	100									
Tetrachloroethene	18-116		1	0	41.51	50	83	42.89	50	86									
Toluene	19-128		1	0	42.56	50	85	40.49	50	81									
Trichloroethene	21-116		1	0	43.97	50	88	43.38	50	87									
Vinyl Chloride	6-117		1	0	46.68	50	93	43.22	50	86									

Flags/Notes: **** - Values outside of limits for this column/run***

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 1M52600.D
Acq On : 12/28/09 13:58

Operator : WP
Sam Mult : 1 Vial# : 23
Misc : S,5G

Qt Meth : 1M_S1228.M
Qt On : 12/28/09 14:08
Qt Upd On: 12/28/09 10:38

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.616	96	106774	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.449	117	76727	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.878	152	42096	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.172	111	27953	28.97	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.57%			
32) 1,2-Dichloroethane-d4	4.399	102	5568	29.65	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.83%			
56) Toluene-d8	5.582	100	69614	30.44	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.47%			
64) Bromofluorobenzene	7.149	174	37052	29.69	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.97%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.376	51	131942	49.87	ug/l	1
3) Dichlorodifluoromethane	1.376	85	68696	60.38	ug/l	95
4) Chloromethane	1.510	50	61137	45.45	ug/l	98
5) Bromomethane	1.829	94	28328	50.70	ug/l	97
6) Vinyl Chloride	1.577	62	52017	46.68	ug/l	97
7) Chloroethane	1.896	64	31356	51.75	ug/l	99
8) Trichlorofluoromethane	2.097	101	111632	51.68	ug/l	98
9) 1,1,2-Trichloro-1,2,2-...	2.467	101	57664	48.05	ug/l	93
10) Methylene Chloride	2.822	84	52598	42.23	ug/l	95
11) Acrolein	2.388	56	28565	184.20	ug/l	99
12) Acrylonitrile	2.999	53	11866	38.65	ug/l	99
13) Iodomethane	2.595	142	75411	41.40	ug/l	72
14) Acetone	2.497	43	48205	194.04	ug/l	96
15) Carbon Disulfide	2.655	76	169335	41.72	ug/l	100
16) t-Butyl Alcohol	2.891	59	7486	194.29	ug/l	51
17) n-Hexane	3.266	57	92860	47.88	ug/l	88
18) Di-isopropyl-ether	3.423	45	205063	42.67	ug/l	89
19) 1,1-Dichloroethene	2.477	61	94183	39.49	ug/l	94
20) Methyl Acetate	2.743	43	28792	37.45	ug/l	100
21) Methyl-t-butyl ether	3.049	73	82655	43.40	ug/l	75
22) 1,1-Dichloroethane	3.374	63	114782	42.00	ug/l	97
23) trans-1,2-Dichloroethene	3.049	96	55334	45.86	ug/l	78
24) cis-1,2-Dichloroethene	3.837	61	113289	43.63	ug/l	90
25) Bromochloromethane	4.005	49	48611	39.61	ug/l	66
26) 2,2-Dichloropropane	3.847	77	84192	46.90	ug/l	92
27) 1,4-Dioxane	5.049	88	16838	2385.10	ug/l	65
28) 1,1-Dichloropropene	4.310	75	93904	46.35	ug/l	97
29) Chloroform	4.064	83	109263	44.48	ug/l	97
31) Cyclohexane	4.261	56	128179	46.90	ug/l	90
33) 1,2-Dichloroethane	4.448	62	84584	60.73	ug/l	96
34) 2-Butanone	3.837	43	16265	39.16	ug/l	97
35) 1,1,1-Trichloroethane	4.202	97	91505	45.32	ug/l	99
36) Carbon Tetrachloride	4.320	117	86497	48.87	ug/l	96
37) Vinyl Acetate	3.423	43	167223	40.81	ug/l	100
38) Bromodichloromethane	5.138	83	81744	40.99	ug/l	94
39) Methylcyclohexane	4.980	83	112924	50.33	ug/l	80
40) Dibromomethane	5.049	174	33566	41.13	ug/l	92
41) 1,2-Dichloropropane	4.980	63	62223	42.26	ug/l	88
42) Trichloroethene	4.842	130	60727	43.97	ug/l	89
43) Benzene	4.448	78	230241	44.32	ug/l	100
44) tert-Amyl methyl ether	4.507	73	75675	39.46	ug/l	96
46) Dibromochloromethane	6.094	129	48739	39.87	ug/l	100
47) 2-Chloroethylvinylether	5.306	63	23575	42.29	ug/l	90
48) cis-1,3-Dichloropropene	5.404	75	81342	39.83	ug/l	99
49) trans-1,3-Dichloropropene	5.729	75	65850	38.75	ug/l	93
50) 1,1,2-Trichloroethane	5.848	97	36410	41.09	ug/l	96
51) 1,2-Dibromoethane	6.173	107	35707	39.54	ug/l	100
52) 1,3-Dichloropropane	5.946	76	69118	54.85	ug/l	96
53) 4-Methyl-2-Pentanone	5.483	43	34922	42.34	ug/l	99
54) 2-Hexanone	5.976	43	22332	39.71	ug/l	96
55) Tetrachloroethene	5.956	164	53850	41.51	ug/l	99
57) Toluene	5.621	92	140269	42.56	ug/l	97
58) 1,1,1,2-Tetrachloroethane	6.508	133	51330	42.93	ug/l	99
59) Chlorobenzene	6.469	112	142207	55.17	ug/l	100
61) Bromoform	6.961	173	30650	37.93	ug/l	100
62) Ethylbenzene	6.518	106	62416	42.63	ug/l	89
63) 1,1,2,2-Tetrachloroethane	7.208	83	39720	45.04	ug/l	85
65) Styrene	6.833	104	148696	43.55	ug/l	83
66) m&p-Xylenes	6.587	106	186870	84.09	ug/l	94

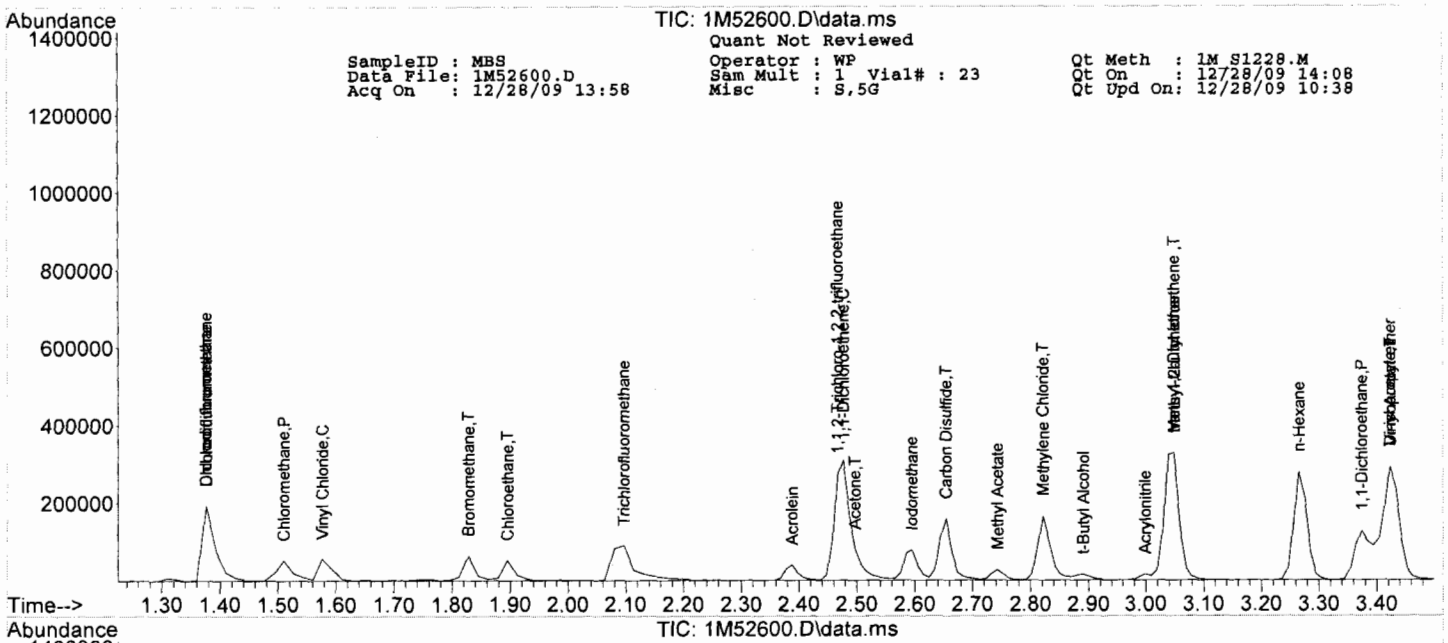
Quantitation Report (Not Reviewed)

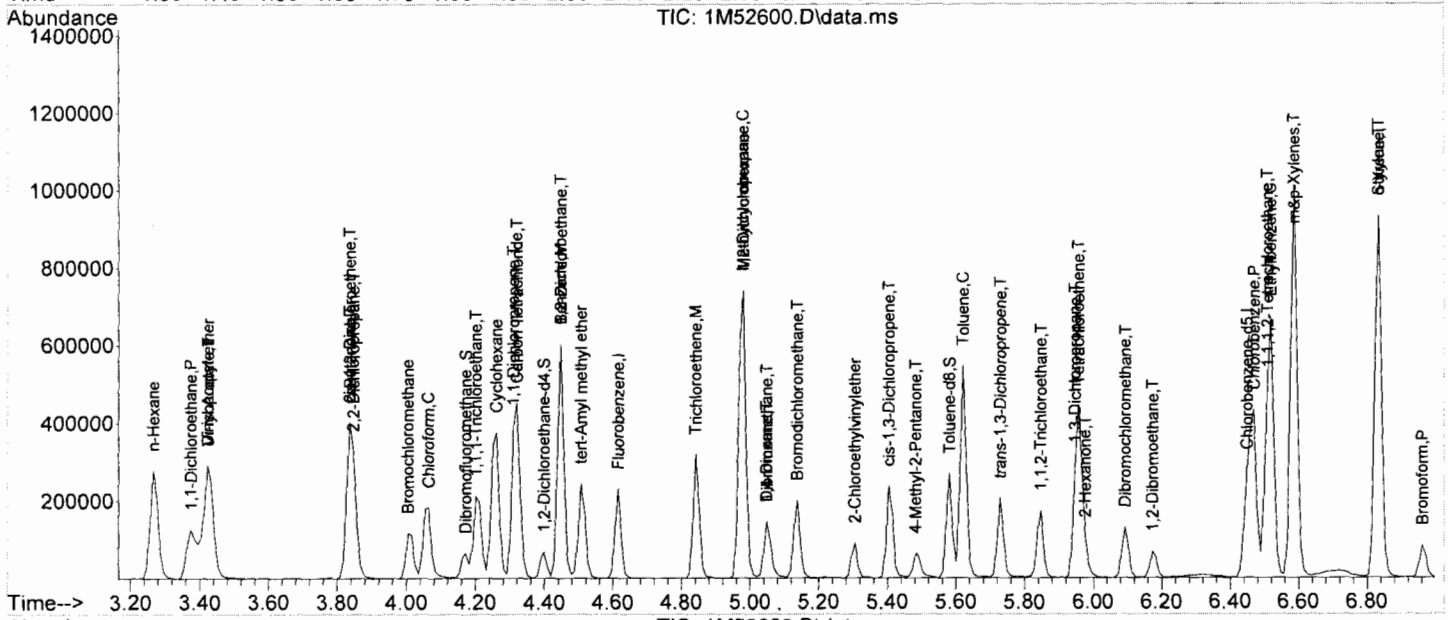
SampleID : MBS
Data File: 1M52600.D
Acq On : 12/28/09 13:58
Operator : WP
Sam Mult : 1 Vial# : 23
Misc : S,5G
Qt Meth : 1M_S1228.M
Qt On : 12/28/09 14:08
Qt Upd On: 12/28/09 10:38

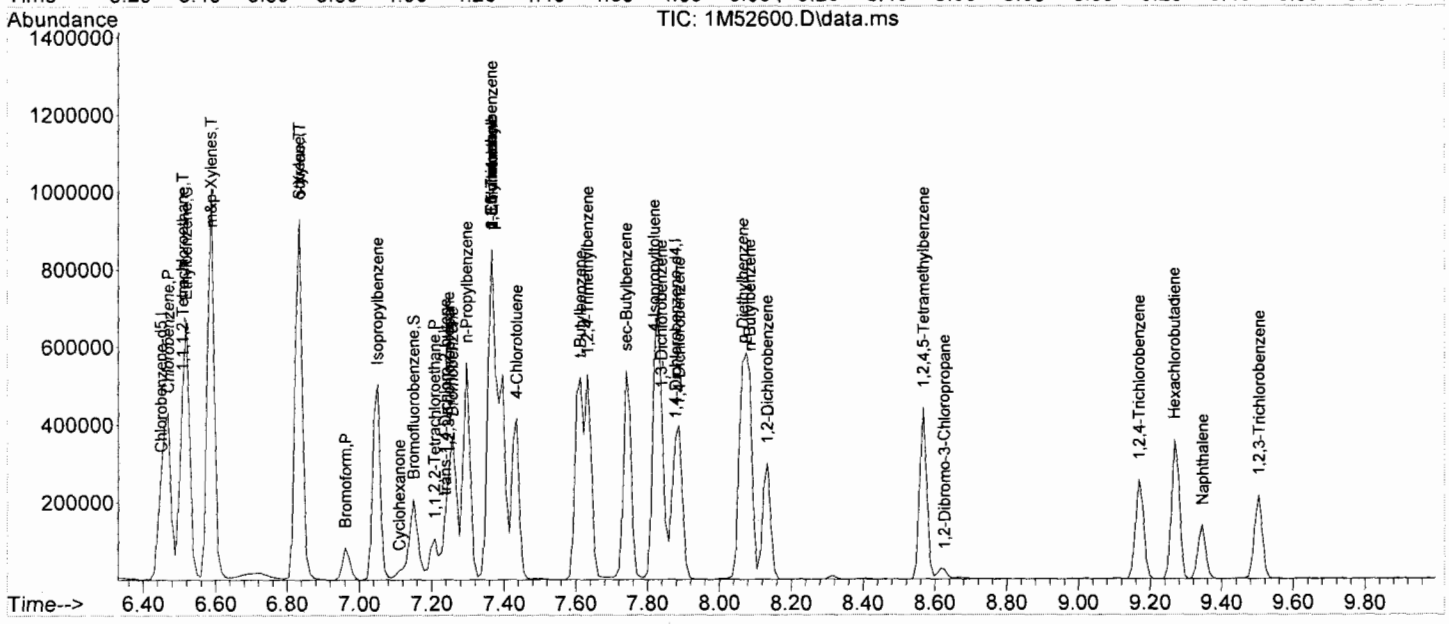
Data Path : G:\GcMsData\2009\GCMS_1\Data\12-28-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) o-Xylene	6.833	106	94623	55.45 ug/l	90
68) trans-1,4-Dichloro-2-b...	7.237	53	17012	40.95 ug/l	70
69) 1,3-Dichlorobenzene	7.839	146	107918	44.83 ug/l	89
70) 1,4-Dichlorobenzene	7.888	146	105763	54.79 ug/l	89
71) 1,2-Dichlorobenzene	8.134	146	96264	47.32 ug/l	93
72) Isopropylbenzene	7.050	105	243835	43.62 ug/l	97
73) Cyclohexanone	7.109	55	5967	188.80 ug/l	86
74) 1,2,3-Trichloropropane	7.247	75	55369	42.05 ug/l	89
75) 2-Chlorotoluene	7.366	91	154880	47.21 ug/l	93
76) p-Ethyltoluene	7.366	105	227553	48.37 ug/l	99
77) 4-Chlorotoluene	7.435	91	141760	42.69 ug/l	97
78) n-Propylbenzene	7.297	91	316778	46.61 ug/l	99
79) Bromobenzene	7.257	77	150899	42.33 ug/l	86
80) 1,3,5-Trimethylbenzene	7.366	105	227553	49.89 ug/l	57
81) t-Butylbenzene	7.612	119	208562	49.02 ug/l	88
82) 1,2,4-Trimethylbenzene	7.632	105	217386	46.69 ug/l	95
83) sec-Butylbenzene	7.740	105	281904	51.87 ug/l	96
84) 4-Isopropyltoluene	7.819	119	220823	52.88 ug/l	92
85) n-Butylbenzene	8.085	91	278795	51.13 ug/l	96
86) p-Diethylbenzene	8.065	119	120319	39.22 ug/l	92
87) 1,2,4,5-Tetramethylben...	8.568	119	183364	38.75 ug/l	96
88) 1,2-Dibromo-3-Chloropr...	8.627	157	7043	48.36 ug/l	80
89) Hexachlorobutadiene	9.268	225	73371	55.12 ug/l	99
90) 1,2,4-Trichlorobenzene	9.169	180	70412	49.75 ug/l	97
91) 1,2,3-Trichlorobenzene	9.504	180	60528	46.60 ug/l	98
92) Naphthalene	9.347	128	86648	44.27 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 1M52600.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 1M52600.D
Acq On : 12/28/09 13:58
Operator : WP
Sam Mult : 1 Vial# : 23
Misc : S,5G
Qt Meth : 1M_S1228.M
Qt On : 12/28/09 14:08
Qt Upd On: 12/28/09 10:38
Abundance
Time-->


TIC: 1M52600.D\data.ms
Abundance
Time-->


TIC: 1M52600.D\data.ms
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 1M52687.D
Acq On : 12/30/09 10:36

Operator : WP
Sam Mult : 1 Vial# : 18
Misc : S,5G!5

Qt Meth : 1M_S1228.M
Qt On : 12/30/09 16:14
Qt Upd On: 12/30/09 16:14

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.596	96	110216	30.00	ug/l	-0.02
45) Chlorobenzene-d5	6.419	117	81424	30.00	ug/l	-0.03
60) 1,4-Dichlorobenzene-d4	7.838	152	46634	30.00	ug/l	-0.03
System Monitoring Compounds						
30) Dibromofluoromethane	4.142	111	29590	29.71	ug/l	-0.03
Spiked Amount 30.000			Recovery =	99.03%		
32) 1,2-Dichloroethane-d4	4.369	102	5948	30.69	ug/l	-0.03
Spiked Amount 30.000			Recovery =	102.30%		
56) Toluene-d8	5.552	100	72171	29.73	ug/l	-0.03
Spiked Amount 30.000			Recovery =	99.10%		
64) Bromofluorobenzene	7.119	174	38430	27.79	ug/l	-0.03
Spiked Amount 30.000			Recovery =	92.63%		
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.376	51	134078	49.10	ug/l	1
3) Dichlorodifluoromethane	1.359	85	59093	50.32	ug/l	91
4) Chloromethane	1.493	50	64538	46.48	ug/l	98
5) Bromomethane	1.812	94	28112	48.75	ug/l	100
6) Vinyl Chloride	1.577	62	49720	43.22	ug/l	98
7) Chloroethane	1.879	64	31280	50.01	ug/l	98
8) Trichlorofluoromethane	2.063	101	116855	52.41	ug/l	98
9) 1,1,2-Trichloro-1,2,2-...	2.447	101	55890	45.12	ug/l	95
10) Methylene Chloride	2.802	84	56874	44.23	ug/l	98
11) Acrolein	2.368	56	37138	232.00	ug/l	95
12) Acrylonitrile	2.970	53	13007	41.04	ug/l	100
13) Iodomethane	2.566	142	80055	42.57	ug/l	74
14) Acetone	2.477	43	53413	208.29	ug/l	98
15) Carbon Disulfide	2.625	76	173516	41.41	ug/l	100
16) t-Butyl Alcohol	2.861	59	8453	212.54	ug/l	94
17) n-Hexane	3.236	57	93419	46.67	ug/l	89
18) Di-isopropyl-ether	3.393	45	220008	44.35	ug/l	88
19) 1,1-Dichloroethene	2.447	61	97989	39.80	ug/l	91
20) Methyl Acetate	2.713	43	30383	38.28	ug/l	100
21) Methyl-t-butyl ether	3.019	73	84250	42.85	ug/l	74
22) 1,1-Dichloroethane	3.344	63	123312	43.71	ug/l	100
23) trans-1,2-Dichloroethene	3.019	96	55695	44.72	ug/l	85
24) cis-1,2-Dichloroethene	3.807	61	119791	44.69	ug/l	90
25) Bromochloromethane	3.985	49	53937	42.58	ug/l	82
26) 2,2-Dichloropropane	3.817	77	86413	46.63	ug/l	94
27) 1,4-Dioxane	5.029	88	15906	2182.72	ug/l	72
28) 1,1-Dichloropropene	4.290	75	93138	44.54	ug/l	96
29) Chloroform	4.034	83	115285	45.47	ug/l	100
31) Cyclohexane	4.231	56	127667	45.25	ug/l	89
33) 1,2-Dichloroethane	4.418	62	89567	62.30	ug/l	99
34) 2-Butanone	3.807	43	17914	41.79	ug/l	96
35) 1,1,1-Trichloroethane	4.182	97	92790	44.52	ug/l	97
36) Carbon Tetrachloride	4.300	117	84205	46.09	ug/l	92
37) Vinyl Acetate	3.393	43	179735	42.50	ug/l	100
38) Bromodichloromethane	5.108	83	87716	42.61	ug/l	98
39) Methylcyclohexane	4.951	83	112526	48.58	ug/l	81
40) Dibromomethane	5.029	174	35147	41.72	ug/l	93
41) 1,2-Dichloropropane	4.951	63	65642	43.19	ug/l	92
42) Trichloroethene	4.822	130	61836	43.38	ug/l	94
43) Benzene	4.428	78	231796	43.23	ug/l	100
44) tert-Amyl methyl ether	4.487	73	77000	38.90	ug/l	94
46) Dibromochloromethane	6.064	129	54223	41.80	ug/l	96
47) 2-Chloroethylvinylether	5.276	63	25582	43.24	ug/l	88
48) cis-1,3-Dichloropropene	5.384	75	86521	39.93	ug/l	96
49) trans-1,3-Dichloropropene	5.700	75	71363	39.57	ug/l	98
50) 1,1,2-Trichloroethane	5.818	97	39805	42.33	ug/l	94
51) 1,2-Dibromoethane	6.143	107	40314	42.06	ug/l	100
52) 1,3-Dichloropropane	5.926	76	76341	57.08	ug/l	95
53) 4-Methyl-2-Pentanone	5.463	43	38745	44.27	ug/l	87
54) 2-Hexanone	5.956	43	26558	44.51	ug/l	95
55) Tetrachloroethene	5.936	164	59045	42.89	ug/l	100
57) Toluene	5.591	92	141624	40.49	ug/l	98
58) 1,1,1,2-Tetrachloroethane	6.478	133	56008	44.14	ug/l	96
59) Chlorobenzene	6.439	112	153311	56.05	ug/l	100
61) Bromoform	6.932	173	33135	37.02	ug/l	99
62) Ethylbenzene	6.488	106	57616	35.52	ug/l	89
63) 1,1,2,2-Tetrachloroethane	7.178	83	45480	46.55	ug/l	91
65) Styrene	6.803	104	156096	41.27	ug/l	84
66) m&p-Xylenes	6.557	106	197806	80.35	ug/l	94

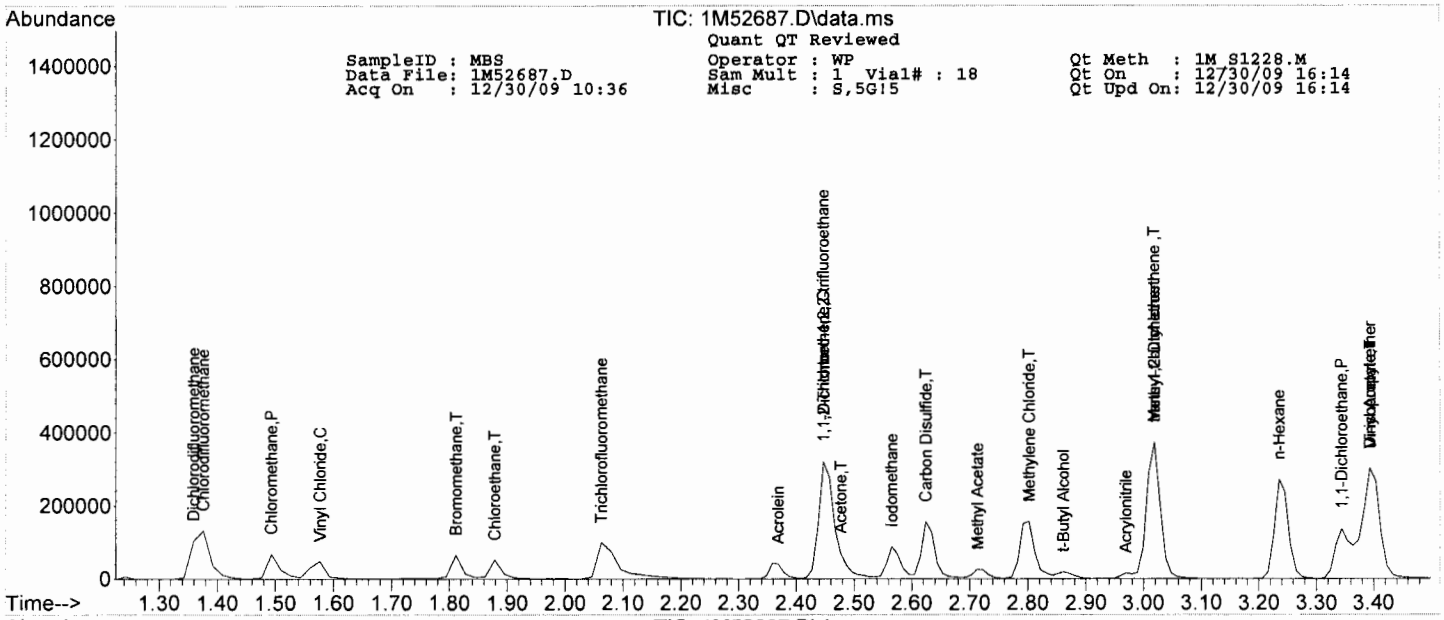
Quantitation Report (QT Reviewed)

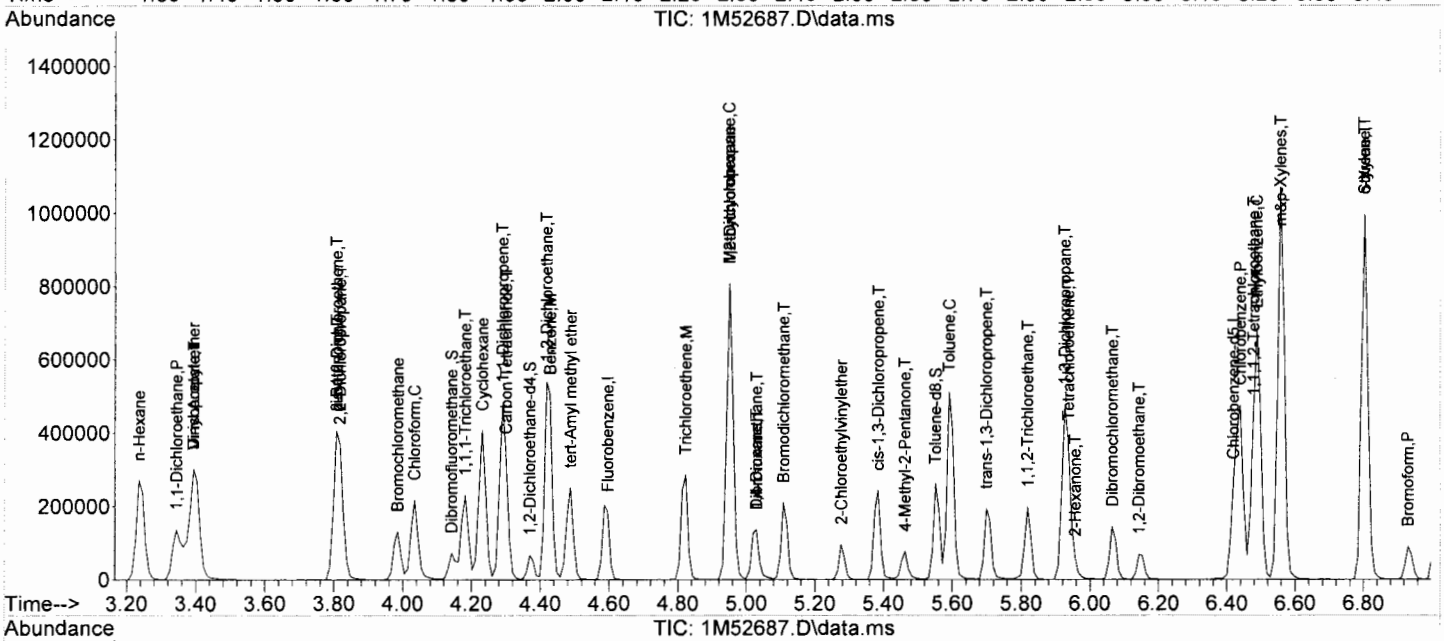
SampleID : MBS
Data File: 1M52687.D
Acq On : 12/30/09 10:36
Operator : WP
Sam Mult : 1 Vial# : 18
Misc : S,5G!5
Qt Meth : 1M_S1228.M
Qt On : 12/30/09 16:14
Qt Upd On: 12/30/09 16:14

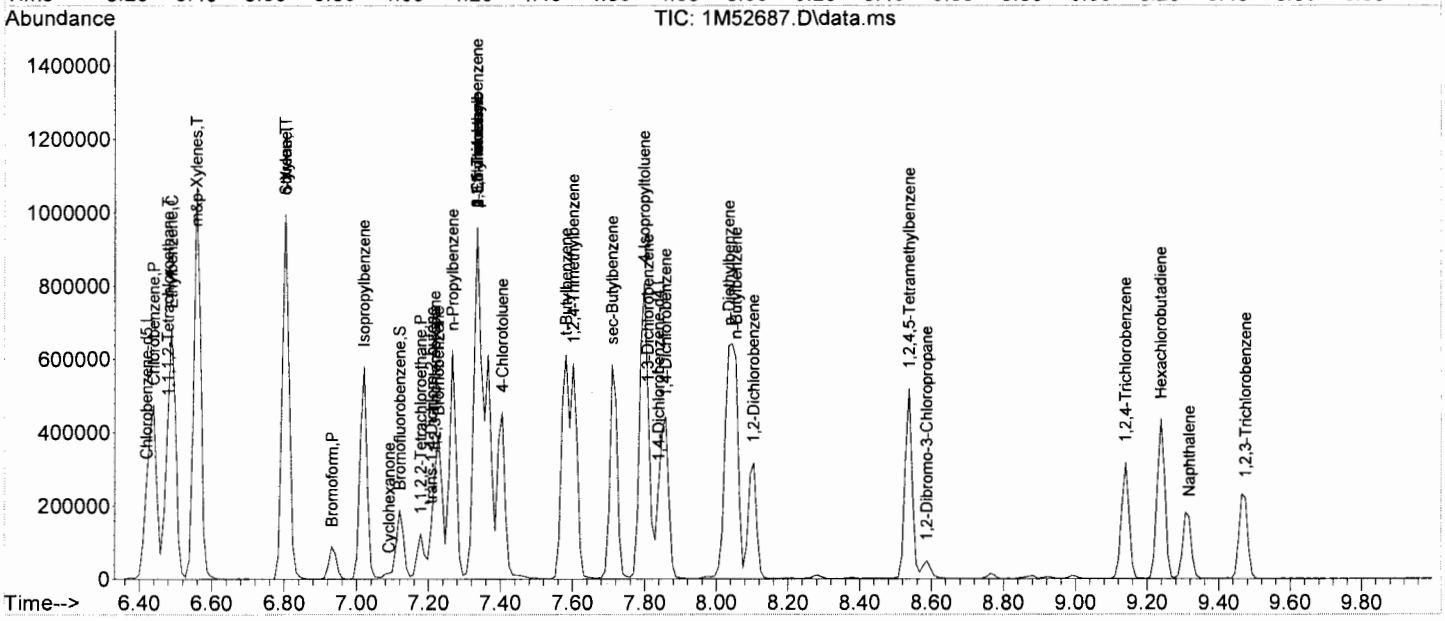
Data Path : G:\GcMsData\2009\GCMS_1\Data\12-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) o-Xylene	6.803	106	100452	53.13	ug/l	92
68) trans-1,4-Dichloro-2-b...	7.208	53	18355	39.89	ug/l	73
69) 1,3-Dichlorobenzene	7.809	146	119534	44.83	ug/l	91
70) 1,4-Dichlorobenzene	7.858	146	120876	45.39	ug/l	92
71) 1,2-Dichlorobenzene	8.104	146	105511	46.82	ug/l	91
72) Isopropylbenzene	7.020	105	263260	42.51	ug/l	96
73) Cyclohexanone	7.089	55	6581	187.96	ug/l	85
74) 1,2,3-Trichloropropane	7.217	75	61290	42.02	ug/l	90
75) 2-Chlorotoluene	7.336	91	166336	45.71	ug/l	94
76) p-Ethyltoluene	7.336	105	240105	46.07	ug/l	99
77) 4-Chlorotoluene	7.405	91	155264	42.21	ug/l	96
78) n-Propylbenzene	7.267	91	338136	44.91	ug/l	98
79) Bromobenzene	7.227	77	159136	40.30	ug/l	83
80) 1,3,5-Trimethylbenzene	7.336	105	240105	47.52	ug/l	77
81) t-Butylbenzene	7.582	119	231430	49.10	ug/l	87
82) 1,2,4-Trimethylbenzene	7.602	105	239510	46.44	ug/l	95
83) sec-Butylbenzene	7.710	105	299796	49.79	ug/l	98
84) 4-Isopropyltoluene	7.799	119	244956	52.95	ug/l	94
85) n-Butylbenzene	8.055	91	310581	51.42	ug/l	96
86) p-Diethylbenzene	8.035	119	139683	41.10	ug/l	96
87) 1,2,4,5-Tetramethylben...	8.538	119	214440	40.91	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	8.587	157	7739	47.97	ug/l	65
89) Hexachlorobutadiene	9.238	225	87090	59.06	ug/l	99
90) 1,2,4-Trichlorobenzene	9.139	180	82808	52.82	ug/l	97
91) 1,2,3-Trichlorobenzene	9.474	180	70896	49.27	ug/l	95
92) Naphthalene	9.317	128	121726	56.14	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M52687.D\data.ms
Quant QT Reviewed
SampleID : MBS
Data File: 1M52687.D
Acq On : 12/30/09 10:36
Operator : WP
Sam Mult : 1 Vial# : 18
Misc : S,5G15
Qt Meth : 1M_S1228.M
Qt On : 12/30/09 16:14
Qt Upd On: 12/30/09 16:14
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
TIC: 1M52687.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Time-->


Abundance
TIC: 1M52687.D\data.ms
Chlorobenzene-d5
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

FORM 3

Spike Recovery

Batch Number: MBS14459
Mbs Name: MBS14459
Ns Name: AC49109-003
Ms Name: AC49109-003(MS)
Msd Name: AC49109-003(MSD

Mbs File: 1M52704.D
Non Spk'd File: 1M52685.D
Spike File: 1M52717.D
Spike Dup File: 1M52718.D
Matrix: Soil
Method: EPA 8260B

Mbs Date: 12/30/09 15:21
Non Spk'd Date: 12/30/09 10:03
Spike Date : 12/30/09 18:54
Spike Dup Date: 12/30/09 19:10

Compound	C#	Co	Mr	Conc Exp	Lo Llm	Hi Lim	Rpd Llm	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Vinyl Chloride	6	1	0	50	6	117	53	26.43	0.00	20.92	27.80	53	42	56	28
1,1-Dichloroethene	19	1	0	50	8	114	53	26.00	0.00	15.67	20.22	52	31	40	25
1,1-Dichloroethane	22	1	0	50	14	127	44	27.54	0.00	20.22	24.11	55	40	48	18
Chloroform	29	1	0	50	26	119	39	28.43	0.00	20.79	24.47	57	42	49	16
1,2-Dichloroethane	33	1	0	50	18	130	37	40.02	0.00	28.52	32.62	80	57	65	13
2-Butanone	34	1	0	50	4	141	59	24.82	0.00	13.74	15.25	50	27	31	10
Carbon Tetrachloride	36	1	0	50	19	122	40	32.73	0.00	19.43	24.48	65	39	49	23
Trichloroethene	42	1	0	50	21	116	39	30.86	0.00	18.22	21.44	62	36	43	16
Benzene	43	1	0	50	21	122	38	29.01	0.00	19.26	22.67	58	39	45	16
Tetrachloroethene	55	1	0	50	18	116	37	30.12	0.00	19.65	21.55	60	39	43	9.2
Toluene	57	1	0	50	19	128	35	28.65	0.00	19.64	21.77	57	39	44	10
Chlorobenzene	59	1	0	50	21	117	37	38.69	0.00	23.58	25.18	77	47	50	6.6
1,4-Dichlorobenzene	70	1	0	50	20	110	41	41.91	0.00	5.42	6.23	84	11 Mo	12 Mo	14
1,2-Dichlorobenzene	71	1	0	50	19	113	42	35.34	0.00	13.51	15.05	71	27	30	11
n-Propylbenzene	78	1	0	50	16	122	42	33.31	0.00	16.50	17.57	67	33	35	6.3
sec-Butylbenzene	83	1	0	50	9	125	48	36.66	0.00	15.49	16.71	73	31	33	7.6

Note:

Rp = Failed Rpd Criteria **Mo = Failed Recovery Criteria**

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

Quantitation Report (Not Reviewed)

0123

SampleID : MBS
Data File: 1M52704.D
Acq On : 12/30/09 15:21

Operator : WP
Sam Mult : 1 Vial# : 32
Misc : S,5G

Qt Meth : 1M_S1228.M
Qt On : 12/30/09 15:46
Qt Upd On: 12/28/09 10:38

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-3009\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.595	96	114832	30.00	ug/l	-0.02
45) Chlorobenzene-d5	6.429	117	84282	30.00	ug/l	-0.02
60) 1,4-Dichlorobenzene-d4	7.848	152	45759	30.00	ug/l	-0.02
System Monitoring Compounds						
30) Dibromofluoromethane	4.142	111	31918	30.76	ug/l	-0.03
Spiked Amount 30.000			Recovery = 102.53%			
32) 1,2-Dichloroethane-d4	4.369	102	5863	29.03	ug/l	-0.03
Spiked Amount 30.000			Recovery = 96.77%			
56) Toluene-d8	5.561	100	75386	30.01	ug/l	-0.02
Spiked Amount 30.000			Recovery = 100.03%			
64) Bromofluorobenzene	7.128	174	39791	29.33	ug/l	-0.02
Spiked Amount 30.000			Recovery = 97.77%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.342	51	5085	1.79	ug/l	52
3) Dichlorodifluoromethane	1.359	85	35049	28.65	ug/l	92
4) Chloromethane	1.493	50	40668	28.11	ug/l	98
5) Bromomethane	1.811	94	18853	31.38	ug/l	95
6) Vinyl Chloride	1.577	62	31680	26.43	ug/l	94
7) Chloroethane	1.878	64	20642	31.68	ug/l	95
8) Trichlorofluoromethane	2.062	101	75447	32.48	ug/l	98
9) 1,1,2-Trichloro-1,2,2-...	2.447	101	40951	31.73	ug/l	92
10) Methylene Chloride	2.802	84	36824	27.49	ug/l	98
11) Acrolein	2.368	56	12330	73.93	ug/l	96
12) Acrylonitrile	2.979	53	7316	22.16	ug/l	83
13) Iodomethane	2.565	142	54053	27.59	ug/l	76
14) Acetone	2.476	43	33625	125.86	ug/l	100
15) Carbon Disulfide	2.624	76	125425	28.73	ug/l	100
16) t-Butyl Alcohol	2.871	59	4875	117.65	ug/l	79
17) n-Hexane	3.245	57	64637	30.99	ug/l	88
18) Di-isopropyl-ether	3.393	45	131400	25.42	ug/l	89
19) 1,1-Dichloroethene	2.447	61	66697	26.00	ug/l	90
20) Methyl Acetate	2.713	43	19467	23.54	ug/l	100
21) Methyl-t-butyl ether	3.019	73	49067	23.95	ug/l	70
22) 1,1-Dichloroethane	3.344	63	80950	27.54	ug/l	98
23) trans-1,2-Dichloroethene	3.019	96	39638	30.55	ug/l	86
24) cis-1,2-Dichloroethene	3.807	61	77875	27.89	ug/l	89
25) Bromochloromethane	3.984	49	35419	26.84	ug/l	82
26) 2,2-Dichloropropane	3.817	77	58809	30.46	ug/l	93
27) 1,4-Dioxane	5.029	88	9137	1203.43	ug/l	75
28) 1,1-Dichloropropene	4.290	75	66568	30.55	ug/l	97
29) Chloroform	4.034	83	75101	28.43	ug/l	100
31) Cyclohexane	4.231	56	88845	30.22	ug/l	91
33) 1,2-Dichloroethane	4.418	62	59949	40.02	ug/l	94
34) 2-Butanone	3.807	43	11086	24.82	ug/l	89
35) 1,1,1-Trichloroethane	4.182	97	66670	30.70	ug/l	98
36) Carbon Tetrachloride	4.300	117	62297	32.73	ug/l	91
37) Vinyl Acetate	3.393	43	106830	24.24	ug/l	100
38) Bromodichloromethane	5.108	83	58178	27.12	ug/l	93
39) Methylcyclohexane	4.950	83	79470	32.93	ug/l	82
40) Dibromomethane	5.029	174	23454	26.72	ug/l	95
41) 1,2-Dichloropropane	4.950	63	43139	27.24	ug/l	85
42) Trichloroethene	4.822	130	45833	30.86	ug/l	94
43) Benzene	4.428	78	162098	29.01	ug/l	100
44) tert-Amyl methyl ether	4.487	73	46523	22.56	ug/l	93
46) Dibromochloromethane	6.074	129	35997	26.81	ug/l	98
47) 2-Chloroethylvinylether	5.285	63	15559	25.41	ug/l	88
48) cis-1,3-Dichloropropene	5.384	75	56480	25.18	ug/l	99
49) trans-1,3-Dichloropropene	5.709	75	46573	24.95	ug/l	96
50) 1,1,2-Trichloroethane	5.818	97	25089	25.78	ug/l	90
51) 1,2-Dibromoethane	6.153	107	24518	24.72	ug/l	87
52) 1,3-Dichloropropane	5.926	76	49727	35.92	ug/l	96
53) 4-Methyl-2-Pentanone	5.463	43	21360	23.58	ug/l	92
54) 2-Hexanone	5.956	43	15182	24.58	ug/l	97
55) Tetrachloroethene	5.936	164	42926	30.12	ug/l	93
57) Toluene	5.601	92	103728	28.65	ug/l	95
58) 1,1,1,2-Tetrachloroethane	6.478	133	38936	29.65	ug/l	95
59) Chlorobenzene	6.439	112	109534	38.69	ug/l	98
61) Bromoform	6.941	173	21478	24.45	ug/l	99
62) Ethylbenzene	6.498	106	47624	29.92	ug/l	100
63) 1,1,2,2-Tetrachloroethane	7.178	83	28775	30.02	ug/l	84
65) Styrene	6.803	104	111953	30.17	ug/l	85
66) m&p-Xylenes	6.557	106	143991	59.61	ug/l	89

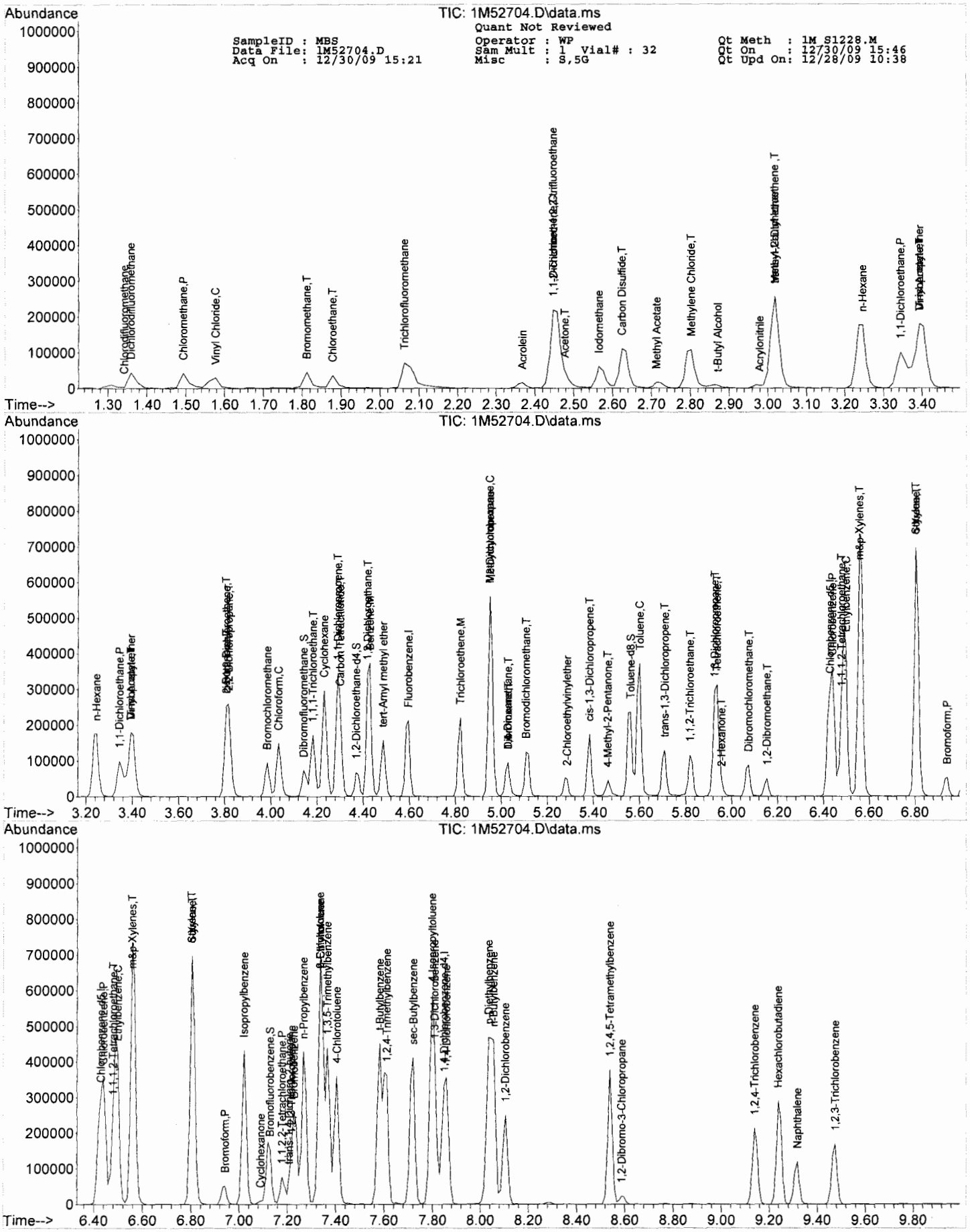
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52704.D Sam Mult : 1 Vial# : 32 Qt On : 12/30/09 15:46
Acq On : 12/30/09 15:21 Misc : S,5G Qt Upd On: 12/28/09 10:38

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-3009\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) o-Xylene	6.803	106	70347	37.92	ug/l	83
68) trans-1,4-Dichloro-2-b...	7.207	53	12174	26.96	ug/l	68
69) 1,3-Dichlorobenzene	7.808	146	92511	35.35	ug/l	91
70) 1,4-Dichlorobenzene	7.858	146	87944	41.91	ug/l	93
71) 1,2-Dichlorobenzene	8.104	146	78144	35.34	ug/l	92
72) Isopropylbenzene	7.020	105	186600	30.71	ug/l	97
73) Cyclohexanone	7.089	55	4189	121.93	ug/l	77
74) 1,2,3-Trichloropropane	7.217	75	39129	27.34	ug/l	92
75) 2-Chlorotoluene	7.335	91	112920	31.29	ug/l	97
76) p-Ethyltoluene	7.335	105	213896	41.82	ug/l	97
77) 4-Chlorotoluene	7.404	91	122352	33.90	ug/l	96
78) n-Propylbenzene	7.266	91	246121	33.31	ug/l	97
79) Bromobenzene	7.227	77	109183	28.18	ug/l	87
80) 1,3,5-Trimethylbenzene	7.365	105	145416	29.33	ug/l	98
81) t-Butylbenzene	7.582	119	164256	35.52	ug/l	88
82) 1,2,4-Trimethylbenzene	7.611	105	172901	34.16	ug/l	94
83) sec-Butylbenzene	7.720	105	216565	36.66	ug/l	98
84) 4-Isopropyltoluene	7.799	119	175309	38.62	ug/l	93
85) n-Butylbenzene	8.055	91	223950	37.79	ug/l	96
86) p-Diethylbenzene	8.035	119	101670	30.49	ug/l	95
87) 1,2,4,5-Tetramethylben...	8.538	119	152809	29.71	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	8.587	157	4691	29.63	ug/l	68
89) Hexachlorobutadiene	9.238	225	59075	40.83	ug/l	98
90) 1,2,4-Trichlorobenzene	9.139	180	58418	37.97	ug/l	99
91) 1,2,3-Trichlorobenzene	9.474	180	48685	34.48	ug/l	96
92) Naphthalene	9.316	128	75626	35.54	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M52704.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 1M52704.D
Acq On : 12/30/09 15:21
Operator : WP
Sam Mult : 1 Vial# : 32
Misc : S,5G
Qt Meth : 1M_S1228.M
Qt On : 12730/09 15:46
Qt Upd On: 12/28/09 10:38
Chlorodifluoromethane
Dichlorofluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 1M52704.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
Carbon Tetrachloride,T
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,IP
Ethylbenzene,C
m&p-Xylenes,T
Bromoform,P
Time-->

Abundance
TIC: 1M52704.D\data.ms
Chlorobenzene-d5,IP
Ethylbenzene,C
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
1,3,5-Trimethylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene,I
p-Isopropyltoluene
1,4-Dichlorobenzene,I
n-Butylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-Chloropropane
1,2,4,5-Tetramethylbenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

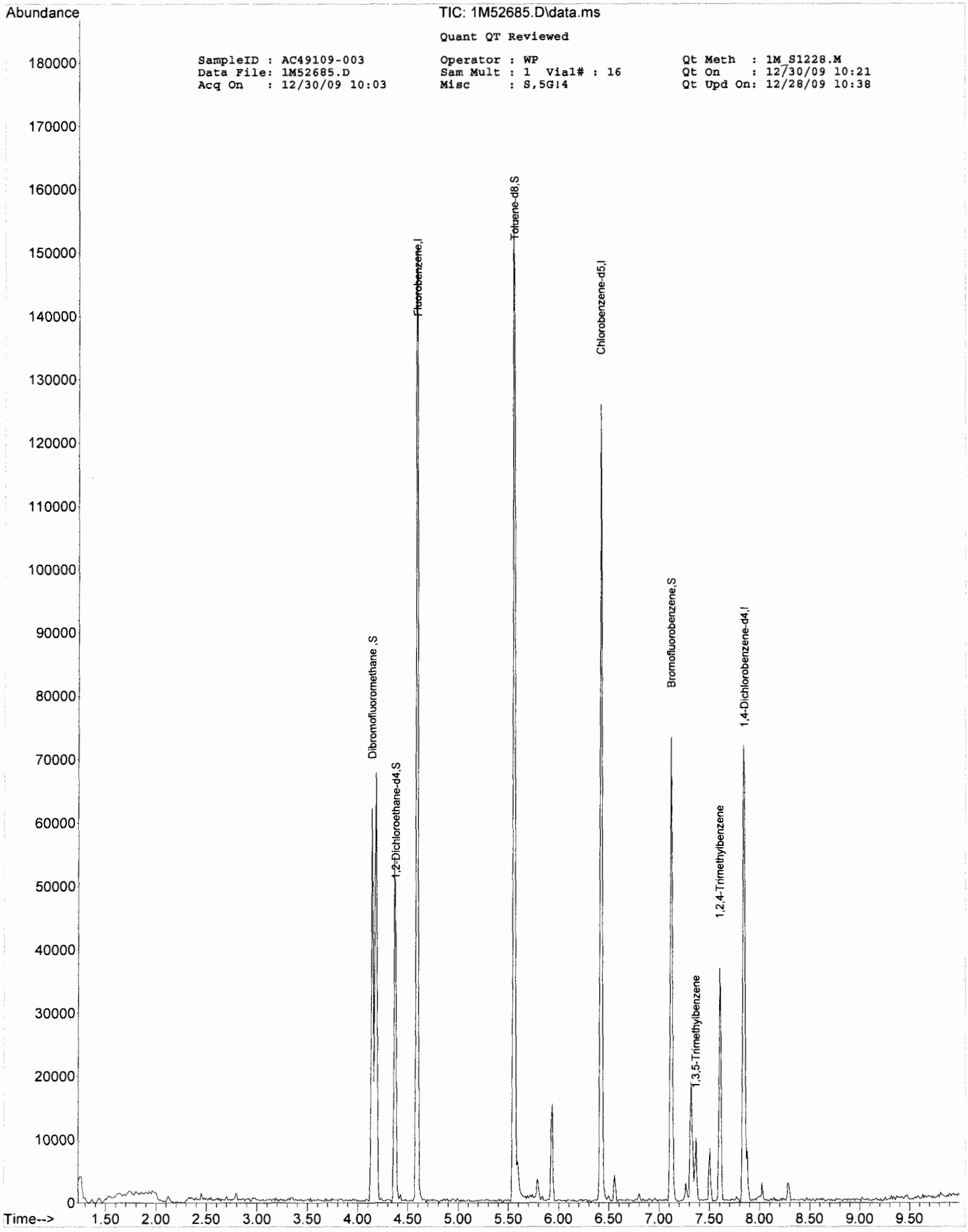
Quantitation Report (QT Reviewed)

SampleID : AC49109-003 Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52685.D Sam Mult : 1 Vial# : 16 Qt On : 12/30/09 10:21
Acq On : 12/30/09 10:03 Misc : S,5G!4 Qt Upd On: 12/28/09 10:38

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.595	96	80014	30.00	ug/l	-0.02
45) Chlorobenzene-d5	6.419	117	46746	30.00	ug/l	-0.03
60) 1,4-Dichlorobenzene-d4	7.848	152	16761	30.00	ug/l	-0.02
System Monitoring Compounds						
30) Dibromofluoromethane	4.142	111	24895	34.43	ug/l	-0.03
Spiked Amount 30.000			Recovery = 114.77%			
32) 1,2-Dichloroethane-d4	4.378	102	4215	29.96	ug/l	-0.02
Spiked Amount 30.000			Recovery = 99.87%			
56) Toluene-d8	5.561	100	47980	34.43	ug/l	-0.02
Spiked Amount 30.000			Recovery = 114.77%			
64) Bromofluorobenzene	7.118	174	16739	33.68	ug/l	-0.03
Spiked Amount 30.000			Recovery = 112.27%			
Target Compounds						Qvalue
80) 1,3,5-Trimethylbenzene	7.365	105	4400	2.42	ug/l	84
82) 1,2,4-Trimethylbenzene	7.601	105	17460	9.42	ug/l	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M52685.D\data.ms
Quant QT Reviewed
SampleID : AC49109-003
Data File: 1M52685.D
Acq On : 12/30/09 10:03
Operator : WP
Sam Mult : 1 Vial# : 16
Misc : S,5G!4
Qt Meth : 1M_S1228.M
Qt On : 12/30/09 10:21
Qt Upd On: 12/28/09 10:38
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4,I
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC49109-003(MS) Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52717.D Sam Mult : 1 Vial# : 45 Qt On : 12/31/09 06:47
Acq On : 12/30/09 18:54 Misc : S,5G!5 Qt Upd On: 12/30/09 16:14

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-3009\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.594	96	89674	30.00	ug/l	-0.02
45) Chlorobenzene-d5	6.428	117	56145	30.00	ug/l	-0.02
60) 1,4-Dichlorobenzene-d4	7.847	152	29209	30.00	ug/l	-0.02
System Monitoring Compounds						
30) Dibromofluoromethane	4.141	111	23755	29.32	ug/l	-0.03
Spiked Amount 30.000			Recovery = 97.73%			
32) 1,2-Dichloroethane-d4	4.378	102	4301	27.27	ug/l	-0.02
Spiked Amount 30.000			Recovery = 90.90%			
56) Toluene-d8	5.560	100	55548	33.19	ug/l	-0.02
Spiked Amount 30.000			Recovery = 110.63%			
64) Bromofluorobenzene	7.127	174	26753	30.89	ug/l	-0.02
Spiked Amount 30.000			Recovery = 102.97%			
Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.365	85	15040	15.74	ug/l	94
4) Chloromethane	1.483	50	22639	20.04	ug/l	96
5) Bromomethane	1.801	94	6106	13.01	ug/l	95
6) Vinyl Chloride	1.567	62	19579	20.92	ug/l	97
7) Chloroethane	1.885	64	9712	19.09	ug/l	93
8) Trichlorofluoromethane	2.069	101	41388	22.81	ug/l	99
9) 1,1,2-Trichloro-1,2,2-...	2.446	101	19301	19.15	ug/l	96
10) Methylene Chloride	2.801	84	20925	20.00	ug/l	93
12) Acrylonitrile	2.968	53	1308	5.07	ug/l	89
13) Iodomethane	2.564	142	15633	10.22	ug/l	77
14) Acetone	2.475	43	17645	84.57	ug/l	95
15) Carbon Disulfide	2.623	76	50431	14.79	ug/l	100
16) t-Butyl Alcohol	2.870	59	3193	98.67	ug/l	73
17) n-Hexane	3.244	57	18723	11.50	ug/l	94
18) Di-isopropyl-ether	3.402	45	76980	19.07	ug/l	90
19) 1,1-Dichloroethene	2.456	61	31390	15.67	ug/l	91
21) Methyl-t-butyl ether	3.017	73	31138	19.47	ug/l	71
22) 1,1-Dichloroethane	3.343	63	46409	20.22	ug/l	99
23) trans-1,2-Dichloroethene	3.017	96	17923	17.69	ug/l	85
24) cis-1,2-Dichloroethene	3.806	61	38114	17.48	ug/l	95
25) Bromochloromethane	3.983	49	19054	18.49	ug/l	81
26) 2,2-Dichloropropane	3.816	77	30767	20.41	ug/l	92
27) 1,4-Dioxane	5.028	88	7437	1254.33	ug/l	69
28) 1,1-Dichloropropene	4.289	75	30394	17.86	ug/l	98
29) Chloroform	4.033	83	42892	20.79	ug/l	90
31) Cyclohexane	4.230	56	34520	15.04	ug/l	88
33) 1,2-Dichloroethane	4.427	62	33362	28.52	ug/l	95
34) 2-Butanone	3.806	43	4793	13.74	ug/l	85
35) 1,1,1-Trichloroethane	4.180	97	37135	21.90	ug/l	97
36) Carbon Tetrachloride	4.299	117	28882	19.43	ug/l	87
37) Vinyl Acetate	3.402	43	40958	11.90	ug/l	100
38) Bromodichloromethane	5.117	83	30004	17.91	ug/l	96
39) Methylcyclohexane	4.959	83	24635	13.07	ug/l	86
40) Dibromomethane	5.028	174	13695	19.98	ug/l	91
41) 1,2-Dichloropropane	4.949	63	23908	19.34	ug/l	89
42) Trichloroethene	4.821	130	21134	18.22	ug/l	91
43) Benzene	4.427	78	84023	19.26	ug/l	100
44) tert-Amyl methyl ether	4.486	73	28238	17.53	ug/l	90
46) Dibromochloromethane	6.073	129	16985	18.99	ug/l	98
47) 2-Chloroethylvinylether	5.284	63	6556	16.07	ug/l	84
48) cis-1,3-Dichloropropene	5.383	75	17903	11.98	ug/l	94
49) trans-1,3-Dichloropropene	5.708	75	15780	12.69	ug/l	99
50) 1,1,2-Trichloroethane	5.826	97	13778	21.25	ug/l	92
51) 1,2-Dibromoethane	6.152	107	11381	17.22	ug/l	94
52) 1,3-Dichloropropane	5.925	76	26727	28.98	ug/l	94
53) 4-Methyl-2-Pentanone	5.462	43	6435	10.66	ug/l	91
54) 2-Hexanone	5.955	43	1926	4.68	ug/l	87
55) Tetrachloroethene	5.935	164	18656	19.65	ug/l	99
57) Toluene	5.600	92	47359	19.64	ug/l	95
58) 1,1,1,2-Tetrachloroethane	6.487	133	16432	18.78	ug/l	91
59) Chlorobenzene	6.437	112	44484	23.58	ug/l	98
61) Bromoform	6.940	173	8356	14.90	ug/l	88
62) Ethylbenzene	6.497	106	20192	19.87	ug/l	99
63) 1,1,2,2-Tetrachloroethane	7.177	83	12787	20.90	ug/l	82
65) Styrene	6.812	104	36035	15.21	ug/l	86
66) m&p-Xylenes	6.566	106	60905	39.50	ug/l	99
67) o-Xylene	6.802	106	26755	22.59	ug/l	78
69) 1,3-Dichlorobenzene	7.807	146	25468	15.25	ug/l	92
70) 1,4-Dichlorobenzene	7.857	146	24140	5.42	ug/l	88

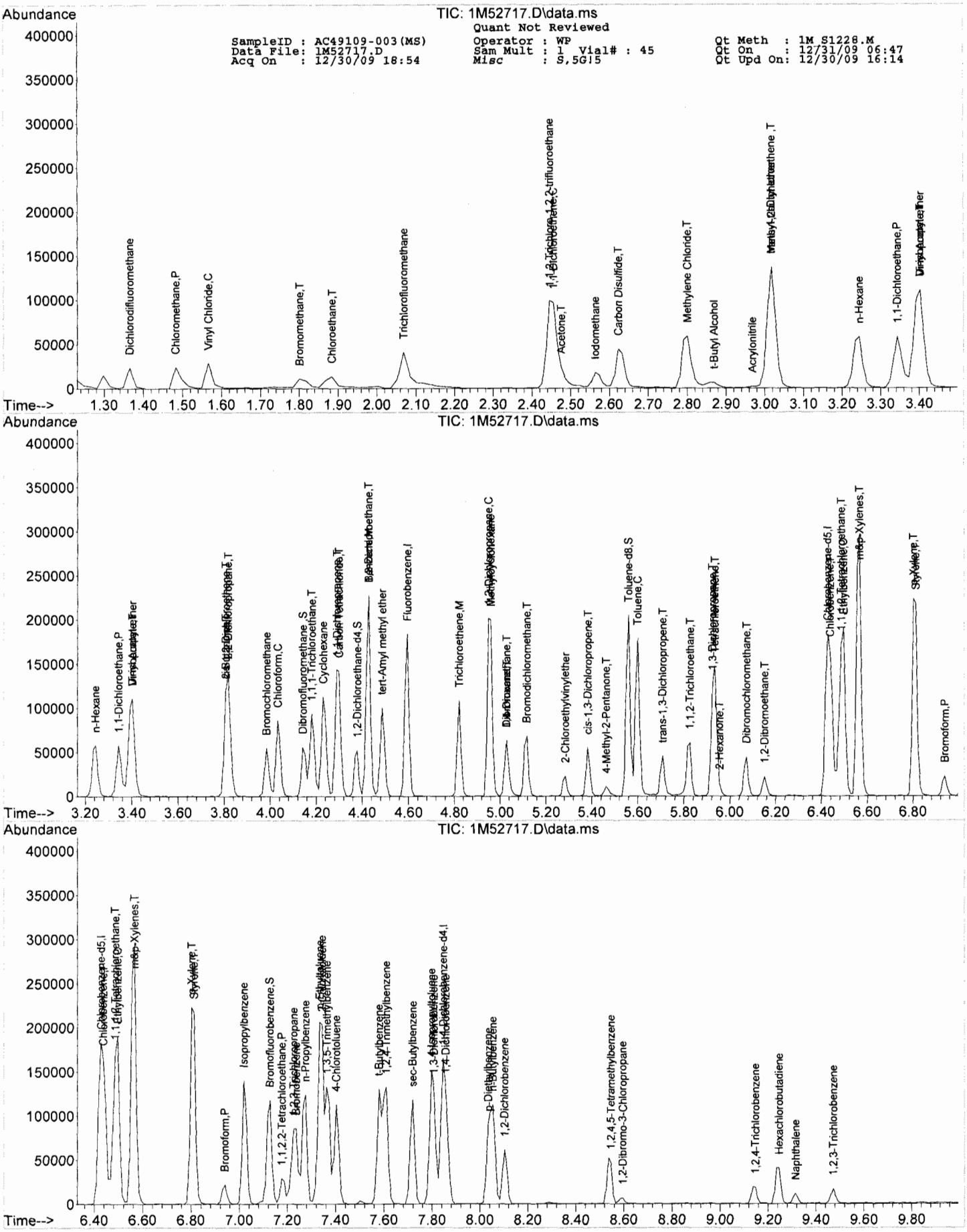
Quantitation Report (Not Reviewed)

SampleID : AC49109-003(MS) Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52717.D Sam Mult : 1 Vial# : 45 Qt On : 12/31/09 06:47
Acq On : 12/30/09 18:54 Misc : S,5G!5 Qt Upd On: 12/30/09 16:14

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-3009\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
71) 1,2-Dichlorobenzene	8.103	146	19074	13.51 ug/l	87
72) Isopropylbenzene	7.019	105	64113	16.53 ug/l	97
74) 1,2,3-Trichloropropane	7.226	75	15321	16.77 ug/l	99
75) 2-Chlorotoluene	7.344	91	42816	18.41 ug/l	98
76) p-Ethyltoluene	7.334	105	67671	20.73 ug/l	95
77) 4-Chlorotoluene	7.403	91	38328	16.63 ug/l	94
78) n-Propylbenzene	7.275	91	77831	16.50 ug/l	98
79) Bromobenzene	7.236	77	37947	15.34 ug/l	82
80) 1,3,5-Trimethylbenzene	7.364	105	52402	16.56 ug/l	42
81) t-Butylbenzene	7.581	119	49566	16.79 ug/l	87
82) 1,2,4-Trimethylbenzene	7.610	105	60695	18.79 ug/l	94
83) sec-Butylbenzene	7.719	105	58424	15.49 ug/l	95
84) 4-Isopropyltoluene	7.798	119	45372	15.66 ug/l	92
85) n-Butylbenzene	8.054	91	50684	13.40 ug/l	97
86) p-Diethylbenzene	8.034	119	22849	10.73 ug/l	96
87) 1,2,4,5-Tetramethylben...	8.547	119	24583	7.49 ug/l	95
88) 1,2-Dibromo-3-Chloropr...	8.596	157	1874	18.55 ug/l	87
89) Hexachlorobutadiene	9.246	225	9659	10.46 ug/l	99
90) 1,2,4-Trichlorobenzene	9.148	180	6596	6.72 ug/l	95
91) 1,2,3-Trichlorobenzene	9.473	180	5395	5.99 ug/l	96
92) Naphthalene	9.315	128	7583	5.58 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M52717.D\data.ms
Quant Not Reviewed
SampleID : AC49109-003(MS)
Data File: 1M52717.D
Acq On : 12/30/09 18:54
Operator : WP
Sam Mult : 1 Vial# : 45
Misc : S,5G15
Qt Meth : 1M_S1228.M
Qt On : 12/31/09 06:47
Qt Upd On: 12/30/09 16:14
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acetone,T
Iodomethane
Carbon Disulfide,T
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC49109-003(MSD) Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52718.D Sam Mult : 1 Vial# : 46 Qt On : 12/31/09 06:47
Acq On : 12/30/09 19:10 Misc : S,5G!6 Qt Upd On: 12/30/09 16:14

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-3009\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.596	96	107718	30.00	ug/l	-0.02
45) Chlorobenzene-d5	6.429	117	73442	30.00	ug/l	-0.02
60) 1,4-Dichlorobenzene-d4	7.848	152	39523	30.00	ug/l	-0.02
System Monitoring Compounds						
30) Dibromofluoromethane	4.143	111	30201	31.03	ug/l	-0.03
Spiked Amount 30.000			Recovery =	103.43%		
32) 1,2-Dichloroethane-d4	4.379	102	5260	27.77	ug/l	-0.02
Spiked Amount 30.000			Recovery =	92.57%		
56) Toluene-d8	5.562	100	67793	30.97	ug/l	-0.02
Spiked Amount 30.000			Recovery =	103.23%		
64) Bromofluorobenzene	7.129	174	35459	30.26	ug/l	-0.02
Spiked Amount 30.000			Recovery =	100.87%		
Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.364	85	27125	23.63	ug/l	98
4) Chloromethane	1.482	50	33176	24.45	ug/l	98
5) Bromomethane	1.817	94	10472	18.58	ug/l	99
6) Vinyl Chloride	1.565	62	31251	27.80	ug/l	95
7) Chloroethane	1.884	64	15451	25.28	ug/l	90
8) Trichlorofluoromethane	2.068	101	61811	28.36	ug/l	99
9) 1,1,2-Trichloro-1,2,2-...	2.447	101	29134	24.07	ug/l	91
10) Methylene Chloride	2.802	84	29995	23.87	ug/l	98
12) Acrylonitrile	2.970	53	2054	6.63	ug/l	88
13) Iodomethane	2.566	142	26087	14.19	ug/l	80
14) Acetone	2.477	43	20455	81.62	ug/l	99
15) Carbon Disulfide	2.625	76	82748	20.21	ug/l	100
16) t-Butyl Alcohol	2.861	59	4001	102.93	ug/l	87
17) n-Hexane	3.246	57	30095	15.38	ug/l	89
18) Di-isopropyl-ether	3.394	45	110182	22.73	ug/l	85
19) 1,1-Dichloroethene	2.447	61	48649	20.22	ug/l	89
20) Methyl Acetate	2.861	43	1244	1.60	ug/l	100
21) Methyl-t-butyl ether	3.019	73	41204	21.44	ug/l	68
22) 1,1-Dichloroethane	3.344	63	66472	24.11	ug/l	99
23) trans-1,2-Dichloroethene	3.019	96	28017	23.02	ug/l	79
24) cis-1,2-Dichloroethene	3.808	61	55961	21.36	ug/l	90
25) Bromochloromethane	3.985	49	25614	20.69	ug/l	79
26) 2,2-Dichloropropane	3.817	77	45371	25.05	ug/l	90
27) 1,4-Dioxane	5.030	88	8658	1215.66	ug/l	74
28) 1,1-Dichloropropene	4.290	75	46496	22.75	ug/l	97
29) Chloroform	4.034	83	60644	24.47	ug/l	96
31) Cyclohexane	4.231	56	51874	18.81	ug/l	88
33) 1,2-Dichloroethane	4.428	62	45833	32.62	ug/l	98
34) 2-Butanone	3.808	43	6388	15.25	ug/l	88
35) 1,1,1-Trichloroethane	4.182	97	54567	26.79	ug/l	97
36) Carbon Tetrachloride	4.300	117	43719	24.48	ug/l	97
37) Vinyl Acetate	3.394	43	55565	13.44	ug/l	100
38) Bromodichloromethane	5.118	83	41723	20.74	ug/l	92
39) Methylcyclohexane	4.961	83	38350	16.94	ug/l	79
40) Dibromomethane	5.030	174	17353	21.08	ug/l	97
41) 1,2-Dichloropropane	4.951	63	32393	21.81	ug/l	98
42) Trichloroethene	4.823	130	29866	21.44	ug/l	93
43) Benzene	4.428	78	118800	22.67	ug/l	100
44) tert-Amyl methyl ether	4.488	73	37650	19.46	ug/l	85
46) Dibromochloromethane	6.074	129	22995	19.65	ug/l	99
47) 2-Chloroethylvinylether	5.286	63	8849	16.58	ug/l	91
48) cis-1,3-Dichloropropene	5.384	75	28267	14.46	ug/l	94
49) trans-1,3-Dichloropropene	5.710	75	22369	13.75	ug/l	97
50) 1,1,2-Trichloroethane	5.828	97	17825	21.02	ug/l	97
51) 1,2-Dibromoethane	6.153	107	14782	17.10	ug/l	85
52) 1,3-Dichloropropane	5.927	76	33790	28.01	ug/l	94
53) 4-Methyl-2-Pentanone	5.463	43	8411	10.65	ug/l	93
54) 2-Hexanone	5.956	43	2949	5.48	ug/l	84
55) Tetrachloroethene	5.936	164	26757	21.55	ug/l	98
57) Toluene	5.601	92	68679	21.77	ug/l	95
58) 1,1,1,2-Tetrachloroethane	6.488	133	22712	19.85	ug/l	96
59) Chlorobenzene	6.449	112	62128	25.18	ug/l	96
61) Bromoform	6.942	173	11329	14.93	ug/l	96
62) Ethylbenzene	6.498	106	29240	21.27	ug/l	99
63) 1,1,2,2-Tetrachloroethane	7.178	83	15597	18.84	ug/l	83
65) Styrene	6.814	104	53755	16.77	ug/l	91
66) m&p-Xylenes	6.567	106	82124	39.36	ug/l	98
67) o-Xylene	6.804	106	38924	24.29	ug/l	77
69) 1,3-Dichlorobenzene	7.809	146	35113	15.54	ug/l	91

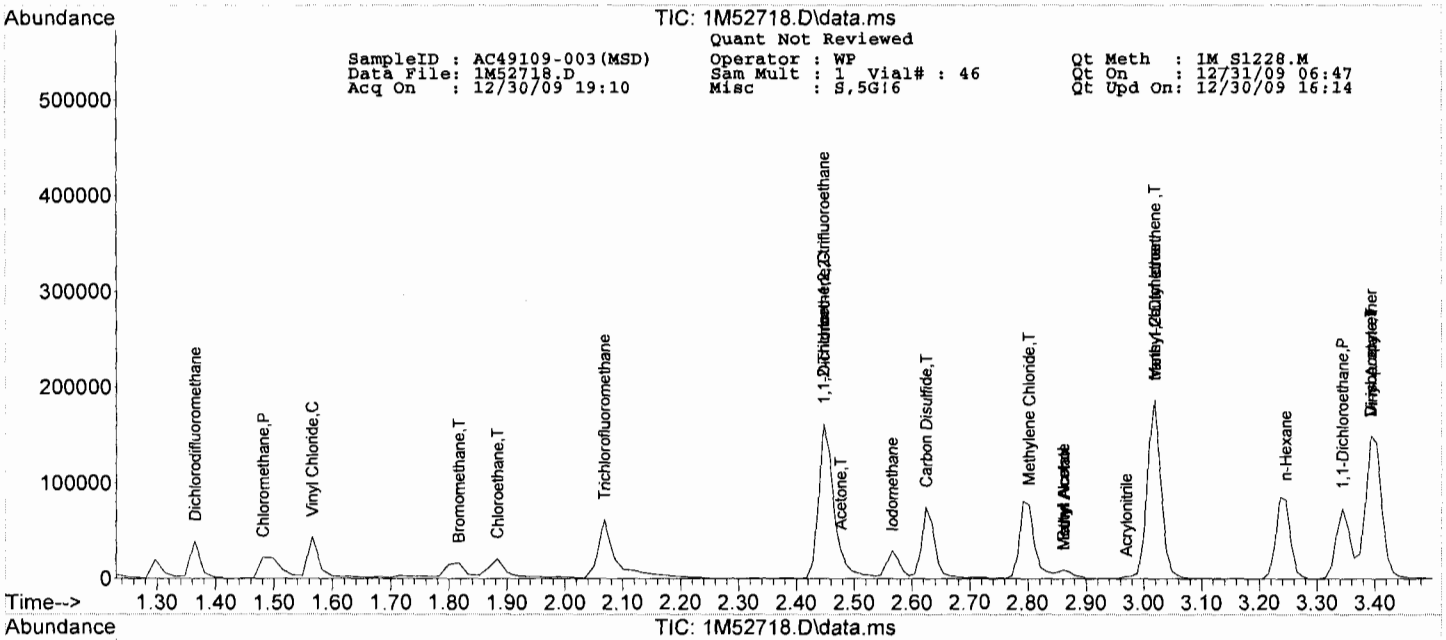
Quantitation Report (Not Reviewed)

SampleID : AC49109-003(MSD) Operator : WP Qt Meth : 1M_S1228.M
Data File: 1M52718.D Sam Mult : 1 Vial# : 46 Qt On : 12/31/09 06:47
Acq On : 12/30/09 19:10 Misc : S,5G!6 Qt Upd On: 12/30/09 16:14

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-3009\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70)	1,4-Dichlorobenzene	7.868	146	34073	6.23	ug/l	88
71)	1,2-Dichlorobenzene	8.105	146	28751	15.05	ug/l	91
72)	Isopropylbenzene	7.021	105	94592	18.02	ug/l	97
74)	1,2,3-Trichloropropane	7.228	75	19933	16.12	ug/l	97
75)	2-Chlorotoluene	7.346	91	59760	19.00	ug/l	97
76)	p-Ethyltoluene	7.336	105	97135	21.99	ug/l	97
77)	4-Chlorotoluene	7.405	91	53896	17.29	ug/l	96
78)	n-Propylbenzene	7.277	91	112120	17.57	ug/l	96
79)	Bromobenzene	7.237	77	51710	15.45	ug/l	86
80)	1,3,5-Trimethylbenzene	7.365	105	74641	17.43	ug/l	39
81)	t-Butylbenzene	7.582	119	71356	17.86	ug/l	88
82)	1,2,4-Trimethylbenzene	7.612	105	85720	19.61	ug/l	95
83)	sec-Butylbenzene	7.720	105	85288	16.71	ug/l	97
84)	4-Isopropyltoluene	7.799	119	69158	17.64	ug/l	93
85)	n-Butylbenzene	8.055	91	76296	14.90	ug/l	97
86)	p-Diethylbenzene	8.036	119	33707	11.70	ug/l	93
87)	1,2,4,5-Tetramethylben...	8.548	119	39201	8.82	ug/l	99
88)	1,2-Dibromo-3-Chloropr...	8.597	157	2042	14.94	ug/l	55
89)	Hexachlorobutadiene	9.248	225	13956	11.17	ug/l	97
90)	1,2,4-Trichlorobenzene	9.149	180	9772	7.35	ug/l	95
91)	1,2,3-Trichlorobenzene	9.475	180	8047	6.60	ug/l	98
92)	Naphthalene	9.317	128	12154	6.61	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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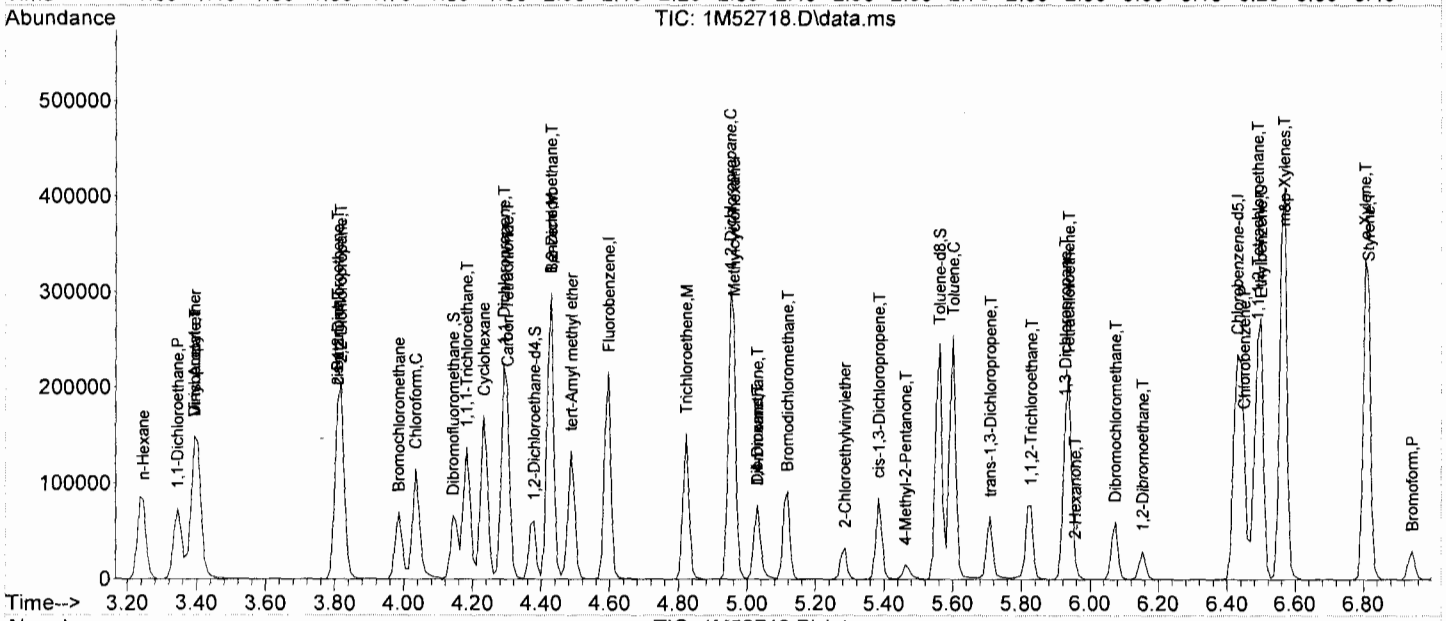
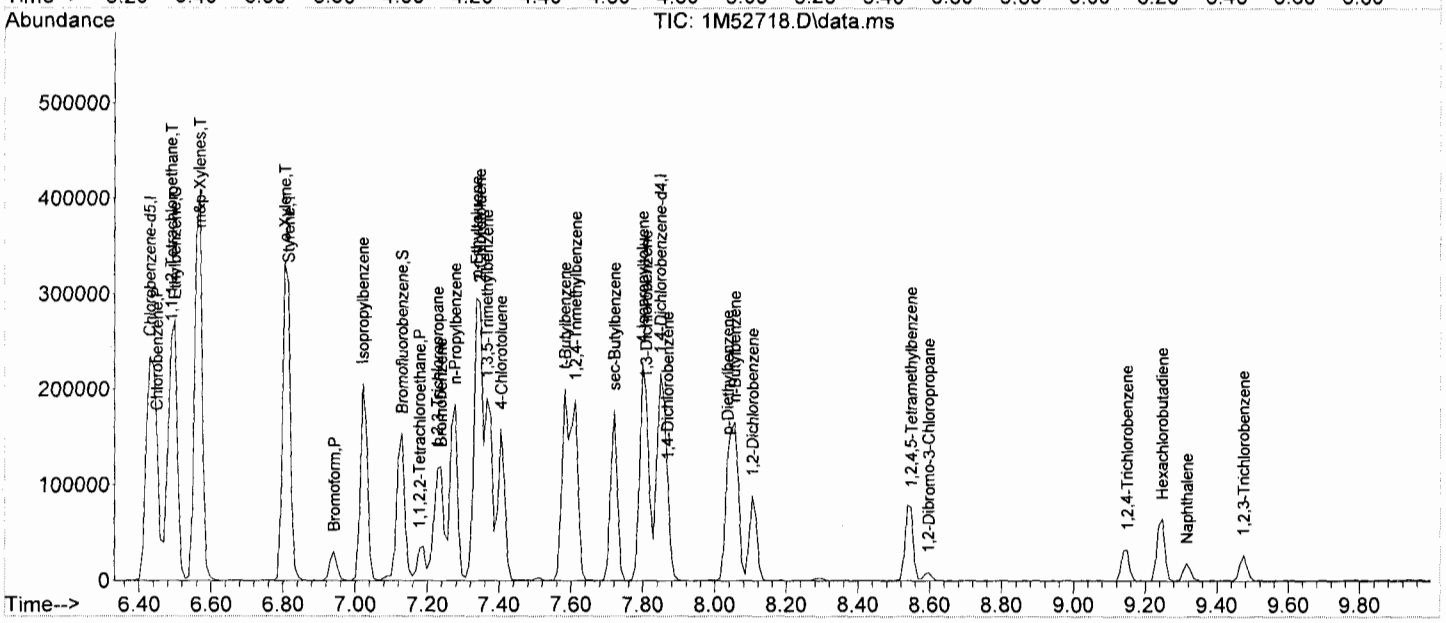
Quant Not Reviewed
SampleID : AC49109-003(MSD)
Data File: 1M52718.D
Acq On : 12/30/09 19:10
Operator : WP
Sam Mult : 1 Vial# : 46
Misc : S,5G16
Qt Meth : 1M_S1228.M
Qt On : 12/31/09 06:47
Qt Upd On: 12/30/09 16:14
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acetone,T
Iodomethane
Carbon Disulfide,T
Methylene Chloride,T
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
TIC: 1M52718.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane ,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromoform,P
Time-->


Abundance
TIC: 1M52718.D\data.ms
Chlorobenzene-d5,I
Styrene,T
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
4-Chlorotoluene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

GC/MS Volatile Data
Logbook Data

RUN LOG

1-1-1M52576

Instrument: GCMS_1 Year: 2009
Analyst: WP 0135

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M52576.	BFB TUNE		V-77129,V-77957, V-78733	DB						12/28 07:31
1M52577.	CAL @ 500 PPB	Oc	B-6973	DB		Soil	1	1	624 8260	12/28 07:40
1M52578.	CAL @ 250 PPB	Oc	B-6973	DB		Soil	1	1	624 8260	12/28 07:57
1M52579.	CAL @ 100 PPB	Oc	B-6973	DB		Soil	1	1	624 8260	12/28 08:13
1M52580.	CAL @ 50 PPB		B-6973	DB		Soil	1	1	624 8260	12/28 08:29
1M52581.	CAL @ 20 PPB		B-6973	DB		Soil	1	1	624 8260	12/28 08:45
1M52582.	CAL @ 10 PPB		B-6973	DB		Soil	1	1	624 8260	12/28 09:02
1M52583.	CAL @ 5 PPB		B-6973	DB		Soil	1	1	624 8260	12/28 09:18
1M52584.	BLK	Is	-	DB		Soil	1	1	8260	12/28 09:34
1M52585.	CAL @ 1 PPB		B-6973	DB		Soil	1	1	624 8260	12/28 09:50
1M52586.	CAL @ 0.5 PPB		B-6973	DB		Soil	1	1	624 8260	12/28 10:06
1M52587.	ICV	Sd	V-78838	DB		Soil	2.5	1	8260	12/28 10:22
1M52588.	BLK		-	DB		Soil	1	1	8260	12/28 10:48
1M52589.	DAILY BLANK		OK	DB		Soil	1	1	8260	12/28 11:04
1M52591.	MBS14434		- MBS14434	DB		Soil	1	1	8260	12/28 11:26
1M52592.	MBS14435		- MBS14435	DB		Soil	1	1	8260	12/28 11:48
1M52593.	BLK		-	DB		Soil	1	1	8260	12/28 12:05
1M52594.	AC49045-001		OK	DB	VO10-8260	Soil	1	1	8260	12/28 12:21
1M52595.	AC49045-002		OK	DB	VO10-8260	Soil	1	1	8260	12/28 12:37
1M52596.	AC49045-003		OK	DB	VO10-8260	Soil	1	1	8260	12/28 12:53
1M52597.	BLK		-	DB		Soil	1	1	8260	12/28 13:09
1M52598.	AC48983-006		OK	DB	VO15-8260	Soil	1	1	8260	12/28 13:25
1M52599.	AC49029-001		OK	DB	VO10-8260	Soil	1	1	8260	12/28 13:42
1M52600.	MBS14437		OK MBS14437	DB		Soil	1	1	8260	12/28 13:58
1M52601.	BLK		-	DB		Soil	1	1	8260	12/28 14:14
1M52602.	AC49060-004		OK	DB	VO-8260	Soil	1	1	8260	12/28 14:30
1M52603.	AC49073-003		OK	DB	VO10-8260	Soil	1	1	8260	12/28 14:46
1M52604.	AC49073-004		OK	DB	VO10-8260	Soil	1	1	8260	12/28 15:02
1M52605.	AC49073-005		OK	DB	VO10-8260	Soil	1	1	8260	12/28 15:18
1M52606.	AC49073-006		OK	DB	VO10-8260	Soil	1	1	8260	12/28 15:35
1M52607.	AC49095-001		OK	DB	VO-8260	Soil	1	1	8260	12/28 15:51
1M52608.	AC49095-002		OK	DB	VO-8260	Soil	1	1	8260	12/28 16:07
1M52609.	AC49095-003		OK	DB	VO-8260	Soil	1	1	8260	12/28 16:23
1M52610.	AC49095-004		OK	DB	VO-8260	Soil	1	1	8260	12/28 16:39
1M52611.	AC49082-001		OK MBS14437	DB	VO-8260	Soil	1	1	8260	12/28 16:55
1M52612.	AC49099-002		OK	DB	VOSTARS-82	Soil	1	1	8260	12/28 17:12
1M52613.	AC49099-005		OK	DB	VOSTARS-82	Soil	1	1	8260	12/28 17:28
1M52614.	AC49084-001(5X)		RR-5q	DB	VO10-8260	Soil	1	5	8260	12/28 17:44
1M52615.	AC49099-001(5X)	S8	RR-1q	DB	VOSTARS-82	Soil	1	5	8260	12/28 18:00
1M52616.	AC49099-004(5X)		OK	DB	VOSTARS-82	Soil	1	5	8260	12/28 18:16
1M52617.	AC49082-001(MS)		OK MBS14437	DB	VO-8260	Soil	1	1	8260	12/28 18:32
1M52618.	AC49082-001(MSD)		OK MBS14437	DB	VO-8260	Soil	1	1	8260	12/28 18:48
1M52619.	BLK		-	DB		Soil	1	1	8260	12/28 19:04
1M52620.	BLK		-	DB		Soil	1	1	8260	12/28 19:20
1M52621.	BLK	Ti8	-	DB		Soil	1	1	8260	12/28 19:36
1M52622.	BLK	Ti8	-	DB		Soil	1	1	8260	12/28 19:53
1M52623.	BLK	Ti8	-	DB		Soil	1	1	8260	12/28 20:09

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not chack'd	EvF	Eval Mix Failed
B6m	Blank 600 series missing	Etn	Tclo/Solvent Extraction Date Missing/Not check'd	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series missing	Eto	Tclo Extraction Performed Outside of Hold	Evrc	*Eval Mix missing ddt or andrin*
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16.R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C16	*Calibration Column 1 Out (600 Series)*	Hb	Analysis Before Collection Date	R18.R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	Ro	Ratention Time Out Or %Diff Out
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	Rtn	*Can't Calculate Drift*
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	S6	*600 series surrogate out*
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	*8000 series sample/blank did not have passing cal*	Iv	Prob with calrpt.csv for init calibration chek rfs	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
Cme	Endtop Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> methnd.	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samnl	Sd	Surrogate Diluted Out
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Snc	*Surrogate Not Checked*
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Ti5	Outside of 500 series Tune time
Do	*Drift Out*	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Ti6	Outside of 600 series Tune time/Cal Time
Ehe	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti8	Outside of 8000 series Tune time/Cal Time
Emp	Problem Checking Prep/rundates modcheckprepruncla	Mnc	Spike Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	*If for 600 ser Too many samples begin Calibration*

RUN LOG

1-1-1M52674

Instrument: GCMS_1 Year: 2009
Analyst: WP 0136

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M52674.	BFB TUNE		V-77129,V-78990,V-77957, V-78733	DB						12/30 06:48
1M52675.	50 PPB	CnSdAnc	-	DB		Soil	0.4	1	8260	12/30 07:03
1M52676.	CAL @ 50 PPB	C16	OK	DB		Soil	0.4	1	624 8260	12/30 07:25
1M52677.	BLK		-	DB		Soil	1	1	8260	12/30 07:46
1M52678.	DAILY BLANK		OK	DB		Soil	1	1	8260	12/30 08:02
1M52679.	AC49098-001		OK	DB	VO10-8260	Soil	1	1	8260	12/30 08:22
1M52680.	MBS14456		- MBS14456	DB		Soil	1	1	8260	12/30 08:41
1M52681.	BLK		-	DB		Soil	1	1	8260	12/30 08:57
1M52682.	AC49098-008		OK	DB	VO10-8260	Soil	1	1	8260	12/30 09:15
1M52683.	AC49095-011	Ao	2ND RUN	DB	VO-8260	Soil	1	1	8260	12/30 09:31
1M52684.	AC49095-012		OK	DB	VO-8260	Soil	1	1	8260	12/30 09:47
1M52685.	AC49109-003	Ao	OK	DB	VO-PA-FO82	Soil	1	1	8260	12/30 10:03
1M52686.	AC49073-001		OK	DB	VO10-8260	Soil	1	1	8260	12/30 10:19
1M52687.	MBS14460		OK MBS14460	DB		Soil	1	1	8260	12/30 10:36
1M52688.	BLK		-	DB		Soil	1	1	8260	12/30 10:52
1M52689.	AC49122-002	S8Ao	RR-5g	DB	VO10-8260	Soil	1	1	8260	12/30 11:11
1M52690.	BLK		-	DB		Soil	1	1	8260	12/30 11:27
1M52691.	AC49122-003	S8Ao	RR-5g	DB	VO10-8260	Soil	1	1	8260	12/30 11:44
1M52692.	AC49122-004	S8Ao	RR-5g	DB	VO10-8260	Soil	1	1	8260	12/30 12:00
1M52693.	AC49122-005	S8Ao	RR-5g	DB	VO10-8260	Soil	1	1	8260	12/30 12:16
1M52694.	AC49122-006	S8Ao	RR-5g	DB	VO10-8260	Soil	1	1	8260	12/30 12:43
1M52695.	AC49122-007		OK	DB	VO10-8260	Soil	1	1	8260	12/30 12:59
1M52696.	AC49122-008	S8Ao	RR-5g	DB	VO10-8260	Soil	1	1	8260	12/30 13:15
1M52697.	AC49122-009	S8Ao	RR-5g	DB	VO10-8260	Soil	1	1	8260	12/30 13:31
1M52698.	AC49122-010	Ao	RR-5g	DB	VO10-8260	Soil	1	1	8260	12/30 13:48

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	EvF	Eval Mix Failed
B6m	Blank 600 series missing	Etn	Tdln/Solvent Extraction Date Missing/Not check'd	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series missing	Eto	Tdln Extraction Performed Outside of Hold	Evrc	Eval Mix missing ddt or endrin
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C16	Calibration Column 1 Out (600 Series)	Hh	Analysis Before Collection Date	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	Ro	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	S6	600 series surrogate out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt csv for init calibration chek rfs	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method.	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samnl	Sd	Surrogate Diluted Out
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Ti5	Outside of 500 series Tune time
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Ti6	Outside of 600 series Tune time/Cal Time
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti8	Outside of 8000 series Tune time/Cal Time
Emp	Problem Checking Prep/rundates modcheckpreprunda	Mnc	Spike Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 600 ser Too many samples begin Calibration

1-1-1M52699

RUN LOG

Instrument: GCMS_1 Year: 2009
Analyst: WP 0137

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M52699.	BFB TUNE		V-77129,V-79062,V-77957, V-78733	DB						12/30 14:00
1M52700.	CAL @ 50 PPB	C16	OK	DB		Soil	0.4	1	624 8260	12/30 14:10
1M52701.	BLK		-	DB		Soil	1	1	8260	12/30 14:33
1M52702.	DAILY BLANK		OK	DB		Soil	1	1	8260	12/30 14:49
1M52703.	AC49073-002				VO10-8260	Soil	1	1	8260	12/30 15:05
1M52704.	MBS14459		OK MBS14459	DB		Soil	1	1	8260	12/30 15:21
1M52705.	BLK		-	DB		Soil	1	1	8260	12/30 15:37
1M52706.	AC49122-011	S8Ao	RR-5g	DB	VO10-8260	Soil	1	1	8260	12/30 15:56
1M52707.	AC49122-012		OK	DB	VO10-8260	Soil	1	1	8260	12/30 16:12
1M52708.	AC49122-002	S8Ao	2ND RUN	DB	VO10-8260	Soil	1	1	8260	12/30 16:29
1M52709.	AC49122-003		OK	DB	VO10-8260	Soil	1	1	8260	12/30 16:45
1M52710.	AC49122-004	Ao	OK	DB	VO10-8260	Soil	1	1	8260	12/30 17:01
1M52711.	AC49122-005	S8Ao	2ND RUN	DB	VO10-8260	Soil	1	1	8260	12/30 17:17
1M52712.	AC49122-006		OK	DB	VO10-8260	Soil	1	1	8260	12/30 17:33
1M52713.	AC49122-008	Ao	OK	DB	VO10-8260	Soil	1	1	8260	12/30 17:49
1M52714.	AC49122-009		OK	DB	VO10-8260	Soil	1	1	8260	12/30 18:06
1M52715.	AC49122-010	Ao	2ND RUN	DB	VO10-8260	Soil	1	1	8260	12/30 18:22
1M52716.	AC49122-011		OK	DB	VO10-8260	Soil	1	1	8260	12/30 18:38
1M52717.	AC49109-003(MS)	M18	OK MBS14459	DB	VO-PA-FO82	Soil	1	1	8260	12/30 18:54
1M52718.	AC49109-003(MSD)	M18	OK MBS14459	DB	VO-PA-FO82	Soil	1	1	8260	12/30 19:10
1M52719.	BLK		-	DB		Soil	1	1	8260	12/30 19:26
1M52720.	AC49111-001	S8Ao	RR-5g	DB	VO15-8260	Soil	1	1	8260	12/30 19:42
1M52721.	AC49111-002		OK	DB	VO15-8260	Soil	1	1	8260	12/30 19:58
1M52722.	AC49114-001		OK	DB	VO10-8260	Soil	1	1	8260	12/30 20:15
1M52723.	AC49114-002		OK	DB	VO10-8260	Soil	1	1	8260	12/30 20:31
1M52724.	AC49114-003		OK	DB	VO10-8260	Soil	1	1	8260	12/30 20:47
1M52725.	AC49114-004		OK	DB	VO10-8260	Soil	1	1	8260	12/30 21:03
1M52726.	AC49114-005		OK	DB	VO10-8260	Soil	1	1	8260	12/30 21:19
1M52727.	AC49114-006		OK	DB	VO10-8260	Soil	1	1	8260	12/30 21:35
1M52728.	AC49114-007		OK	DB	VO10-8260	Soil	1	1	8260	12/30 21:51
1M52729.	AC49114-008		OK	DB	VO10-8260	Soil	1	1	8260	12/30 22:07
1M52730.	AC49114-009		OK	DB	VO10-8260	Soil	1	1	8260	12/30 22:23
1M52731.	AC49117-001	S8AoOc	RR-5g - DIRTY!!!	DB	VO-8260	Soil	1	1	8260	12/30 22:39
1M52732.	BLK		-	DB		Soil	1	1	8260	12/30 22:56
1M52733.	BLK		-	DB		Soil	1	1	8260	12/30 23:12
1M52734.	BLK		-	DB		Soil	1	1	8260	12/30 23:28
1M52735.	BLK		-	DB		Soil	1	1	8260	12/30 23:44
1M52736.	BLK		-	DB		Soil	1	1	8260	12/31 00:00
1M52737.	BLK		-	DB		Soil	1	1	8260	12/31 00:16

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	*Warning Possible Carry Over*		
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	EvF	Eval Mix Failed		
B6m	Blank 600 series missing	Etm	*Tcln/Solvent Extraction Date Missing/Not check'd*	Evnc	Eval Mix Not Checked		
B8m	Blank 8000 series missing	Eto	Tcln Extraction Performed Outside of Hold	Evrc	Eval Mix missing ddt or endrin		
Bnf	*Blank Not Found/Assigned*	Ev	Eval Time Exceeded	R16,R26	Rpd Out on MsMsd (col1 and or col2) 600 series		
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Data	R18,R28	Rpd Out on MsMsd (col1 and or col2) 8000 series		
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	Ro	Retention Time Out Or %Diff Out		
C26	Calibration Column 2 Out (600 Series)	I16,I26	Initial cal 600 series failed Column 1 and or 2	Rtn	*Can't Calculate Drift*		
C28	Calibration Column 2 Out (8000 Series)	I18,I28	Initial cal 8000 series failed Column 1 and or 2	S6	600 series surrogate out		
C6f	600 series sample/blank did not have passing cal	Is	*Initial Cal Not Checked*	S8	8000 series surrogate out		
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	Sa6,Sb6	Acid and or BN Surrogate Out (600 series)		
Cme	*Ending Cal missing for sample (*8000 series)	Iw	Initial cal warning. Ini cal file <> method.	Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)		
Cn	Calibration Not Checked for sample/blank/aval	Ix	Initial Cal Files Not Undated Properly for a samol	Sd	Surrogate Diluted Out		
D1o,D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16,M26	Spike Out Col 1 and or Col 2 600 series	Snc	Surrogate Not Checked		
Dnc	Drift Not Checked	M16a,M16b	Spike Out Col 1 600 series Acid and or BN	*Ti5*	*Outside of 500 series Tune time*		
Do	Drift Out	M18,M28	Spike Out Col 1 and or Col 2 8000 series	Ti6	Outside of 600 series Tune time/Cal Time		
Eba	An Extraction Before Collection Date	M18a,M18b	*Spike Out Col 1 8000 series Acid and or BN*	Ti8	Outside of 8000 series Tune time/Cal Time		
Emp	Problem Checking Prep/rundates modcheckpreprunda	Mnc	Spike Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration		
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 600 ser Too many samples begin Calibration		

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-59551

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: VOA ADD MIX | BatchNumber: | ApproveDate: 07/30/09
Prep Date: 1/23/2009 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 1/23/2010 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	25 mg	NEAT	5000 ppm
2881	p-DIETHYLBENZENE	25 mg	NEAT	5000 ppm
3741	Methanol	5 ml	neat neat	
2880	p-ETHYLTOLUENE	25 mg	NEAT	5000 ppm

Veritech Lot Number: V-59552

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: VOA ADD MIX(2nd Source) | BatchNumber: | ApproveDate: 07/30/09
Prep Date: 1/23/2009 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 1/23/2010 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	25 mg	NEAT	5000 ppm
2881	p-DIETHYLBENZENE	25 mg	NEAT	5000 ppm
3741	Methanol	5 ml	neat neat	
2880	p-ETHYLTOLUENE	25 mg	NEAT	5000 ppm

Veritech Lot Number: V-63397

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: VOA STOCK INT/SURR MIX | BatchNumber: | ApproveDate: 09/03/09
Prep Date: 4/2/2009 | Concentration: 1500 ppm | Checked: Yes
Expiration Date: 4/2/2010 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3178	1,2-Dichloroethane-d4	150 mg	NEAT	1500 ppm
1297	TOLUENE-D8	150 mg	NEAT	1500 ppm
1295	CHLOROBENZENE-D5	150 mg	NEAT	1500 ppm
2615	1,4-Dichlorobenzene-d4	150 mg	neat neat	1500 ppm
777	1-bromo-4-fluorobenzene	150 mg	neat	1500 ppm
3741	Methanol	100 ml	neat neat	
3693	Dibromofluoromethane	150 mg	NEAT	1500 ppm
3661	Fluorobenzene	150 mg	NEAT	1500 ppm

Veritech Lot Number: V-65724

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: CYCLOHEXANONE | BatchNumber: | ApproveDate: 07/30/09
Prep Date: 5/13/2009 | Concentration: 10000 ppm | Checked: Yes
Expiration Date: 5/13/2010 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2726	CYCLOHEXANONE	100 mg	NEAT	10000 ppm
4030	METHANOL	10 ml	NEAT neat	

Veritech Lot Number: V-65725

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: CYCLOHEXANONE(2nd Source) | BatchNumber: | ApproveDate: 07/30/09
Prep Date: 5/13/2009 | Concentration: 10000 ppm | Checked: Yes
Expiration Date: 5/13/2010 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2726	CYCLOHEXANONE	100 mg	NEAT	10000 ppm
4030	METHANOL	10 ml	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-71991

Prepared By: Previlon, Wilner
Description: VOA WORKING INT/SURR MIX
Prep Date: 8/25/2009
Expiration Date: 1/25/2010
Department: Organics
BatchNumber:
Concentration: 150 ppm
Final Volume: 250 ml
ApprovedBy: jean
ApproveDate: 08/28/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1912	METHANOL	225 ml	NEAT	
V-63397	VOA STOCK INT/SURR MIX	25 ml	1500 ppm	150 ppm

Veritech Lot Number: V-77129

Prepared By: Previlon, Wilner
Description: BFB Tune Mix
Prep Date: 11/20/2009
Expiration Date: 1/25/2010
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 1.5 ml
ApprovedBy: DAN
ApproveDate: 11/24/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-71991	VOA WORKING INT/SURR MIX	500 ul	150 ppm	50 ppm
1230	METHANOL	1000 ul	NEAT	

Veritech Lot Number: V-77957

Prepared By: Previlon, Wilner
Description: VOA WORKING INT/SURR MIX
Prep Date: 12/8/2009
Expiration Date: 4/2/2010
Department: Organics
BatchNumber:
Concentration: 150 ppm
Final Volume: 200 ml
ApprovedBy: DAN
ApproveDate: 12/09/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1912	METHANOL	180 ml	NEAT	
V-63397	VOA STOCK INT/SURR MIX	20 ml	1500 ppm	150 ppm

Veritech Lot Number: V-78729

Prepared By: Goring, Shawn
Description: 200ppm VOA Working Std
Prep Date: 12/23/2009
Expiration Date: 1/23/2010
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 12/23/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4293	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
1588	P&T METHANOL	360 ul	NEAT neat	neat
4574	CUSTOM VOA MIX	100 ul	2000 ppm	various ppm
4512	METHOD 8260 ADDITIONS	100 ul	2000 ppm	200 ppm
4278	502 CAL MIX#1(GASES)	100 ul	2000 ppm	200 ppm
4281	tert-Amyl methyl ether	100 ul	2000 ppm	200 ppm
V-59551	VOA ADD MIX	40 ul	5000 ppm	200 ppm
V-65724	CYCLOHEXANONE	100 ul	10000 ppm	1000 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-78733

Prepared By: Goring, Shawn
Description: MBS
Prep Date: 12/23/2009
Expiration Date: 1/23/2010
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 12/23/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4284	8260 ADDITIONS MIX#2	50 ul	2000 ppm	100 ppm
4285	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
4283	VOA COMP MIX #6(GASES)	50 ul	2000 ppm	100 ppm
1308	METHANOL	680 ul	NEAT	neat neat
4575	CUSTOM VOA MIX	50 ul	2000 ppm	various ppm
V-59552	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	100 ppm
V-65725	CYCLOHEXANONE(2nd Source)	50 ul	10000 ppm	500 ppm
4269	tert-Amyl, Methyl Ether	50 ul	2000 ppm	100 ppm

Veritech Lot Number: V-78828

Prepared By: Previlon, Wilner
Description: Soil8260 CAL @ 500 PPB
Prep Date: 12/28/2009
Expiration Date: 12/29/2009
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 40 ml
ApprovedBy: DAN
ApproveDate: 12/28/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78729	200ppm VOA Working Std	100 ul	VARIOUS pp	500 ppb
1398	p&t water	40 ml	neat neat	neat
4457	CHLORODIFLUOROMETHANE	100 ul	200 ppm	500 ppb

Veritech Lot Number: V-78829

Prepared By: Previlon, Wilner
Description: Soil8260 CAL @ 250 PPB
Prep Date: 12/28/2009
Expiration Date: 12/29/2009
Department: Organics
BatchNumber: B-6973
Concentration: VARIOUS ppb
Final Volume: 5 ml
ApprovedBy: DAN
ApproveDate: 12/28/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78828	Soil8260 CAL @ 500 PPB	2.5 ml	VARIOUS pp	250 ppb
1398	p&t water	2.5 ml	neat neat	

Veritech Lot Number: V-78830

Prepared By: Previlon, Wilner
Description: Soil8260 CAL @ 100 PPB
Prep Date: 12/28/2009
Expiration Date: 12/29/2009
Department: Organics
BatchNumber: B-6973
Concentration: VARIOUS ppb
Final Volume: 5 ml
ApprovedBy: DAN
ApproveDate: 12/28/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4 ml	neat neat	
V-78828	Soil8260 CAL @ 500 PPB	1 ml	VARIOUS pp	100 ppb

Veritech Lot Number: V-78831

Prepared By: Previlon, Wilner
Description: Soil8260 CAL @ 50 PPB
Prep Date: 12/28/2009
Expiration Date: 12/29/2009
Department: Organics
BatchNumber: B-6973
Concentration: VARIOUS ppb
Final Volume: 5 ml
ApprovedBy: DAN
ApproveDate: 12/28/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.5 ml	neat neat	
V-78828	Soil8260 CAL @ 500 PPB	.5 ml	VARIOUS pp	50 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-78832

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: Soil8260 CAL @ 20 PPB | BatchNumber: B-6973 | ApproveDate: 12/28/09
Prep Date: 12/28/2009 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 12/29/2009 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.8 ml	neat neat	
V-78828	Soil8260 CAL @ 500 PPB	.2 ml	VARIOUS pp	20 ppb

Veritech Lot Number: V-78833

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: Soil8260 CAL @ 10 PPB | BatchNumber: B-6973 | ApproveDate: 12/28/09
Prep Date: 12/28/2009 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 12/29/2009 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.9 ml	neat neat	
V-78828	Soil8260 CAL @ 500 PPB	.1 ml	VARIOUS pp	10 ppb

Veritech Lot Number: V-78834

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: Soil8260 CAL @ 5 PPB | BatchNumber: B-6973 | ApproveDate: 12/28/09
Prep Date: 12/28/2009 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 12/29/2009 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.95 ml	neat neat	
V-78828	Soil8260 CAL @ 500 PPB	.05 ml	VARIOUS pp	5 ppb

Veritech Lot Number: V-78835

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: Soil8260 CAL @ 1 PPB | BatchNumber: B-6973 | ApproveDate: 12/28/09
Prep Date: 12/28/2009 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 12/29/2009 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78828	Soil8260 CAL @ 500 PPB	.01 ml	VARIOUS pp	1 ppb
1398	p&t water	4.99 ml	neat neat	

Veritech Lot Number: V-78836

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: Soil8260 CAL @ 500 PPB | BatchNumber: B-6973 | ApproveDate: 12/28/09
Prep Date: 12/28/2009 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 12/29/2009 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78828	Soil8260 CAL @ 500 PPB	5 ml	VARIOUS pp	500 ppb

Veritech Lot Number: V-78837

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: Soil8260 CAL @ 0.5 PPB | BatchNumber: B-6973 | ApproveDate: 12/28/09
Prep Date: 12/28/2009 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 12/29/2009 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.995 ml	neat neat	
V-78828	Soil8260 CAL @ 500 PPB	.005 ml	VARIOUS pp	0.5 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-78838

Prepared By: Previlon, Wilner
Description: ICV CAL @ 50 PPB
Prep Date: 12/28/2009
Expiration Date: 12/29/2009
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 5 ml
ApprovedBy: DAN
ApproveDate: 12/28/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	5 ml	neat neat	
V-78733	MBS	2.5 ul	100 ppm	50 ppb
4457	CHLORODIFLUOROMETHANE	1.25 ul	200 ppm	50 ppb

Veritech Lot Number: V-78990

Prepared By: Previlon, Wilner
Description: CAL @ 50 PPB
Prep Date: 12/30/2009
Expiration Date: 12/31/2009
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 5 ml
ApprovedBy: DAN
ApproveDate: 12/31/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78729	200ppm VOA Working Std	1.25 ul	VARIOUS pp	50 ppb
1398	p&t water	5 ml	neat neat	
4457	CHLORODIFLUOROMETHANE	1.25 ul	200 ppm	50 ppb

Veritech Lot Number: V-79062

Prepared By: Previlon, Wilner
Description: CAL @ 50 PPB
Prep Date: 12/30/2009
Expiration Date: 12/31/2009
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 5 ml
ApprovedBy: DAN
ApproveDate: 12/31/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78729	200ppm VOA Working Std	1.25 ul	VARIOUS pp	50 ppb
1398	p&t water	5 ml	neat neat	
4457	CHLORODIFLUOROMETHANE	1.25 ul	200 ppm	50 ppb

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 777

Description
1-bromo-4-fluorobenzene

ApprovedBy: jean
ApproveDate: 09/03/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	b6,720-1	08115kn	06/05/01	06/11/11	jean	1	25ml	neat	

Veritech Control/Receipt Number: 1230

Description
METHANOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A453-1	045850	06/22/05	06/22/15	Revolus, Jean	36	1L	NEAT	

Veritech Control/Receipt Number: 1295

Description
CHLOROBENZENE-D5

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	176605-1G	02702EA	09/06/05	09/30/15	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 1297

Description
TOLUENE-D8

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	434388-5G	02504HB	09/06/05	09/30/15	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 1308

Description
METHANOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A453-1	052204	09/14/05	09/14/10	Revolus, Jean	36	1L	NEAT	

Veritech Control/Receipt Number: 1398

Description
p&t water

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
veritech	na	na	01/01/08	11/01/10	Batelli, Daniel	1	na	neat	neat

Veritech Control/Receipt Number: 1588

Description
P&T METHANOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A453-1	055310	03/03/06	03/03/10	Wickliffe, David	6	1L	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1912

Description
METHANOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A453-1	063720	09/07/06	08/28/10	Revolus, Jean	42	1L	NEAT	

Veritech Control/Receipt Number: 2615

Description
1,4-Dichlorobenzene-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-268	PR-12866/06201DB1	07/10/07	04/16/12	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2726

Description
CYCLOHEXANONE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F2326	352-153B	09/04/07	01/31/11	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2880

Description
p-ETHYLTOLUENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-2413	376-30A	11/19/07	01/31/12	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 2881

Description
p-DIETHYLBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-2296	371-140A	11/19/07	12/31/10	Revolus, Jean	3	100m	NEAT	

Veritech Control/Receipt Number: 2889

Description
1,2,4,5-TETRAMETHYLBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACROS ORGANI	409390050	A0214190	11/20/07	11/30/20	Revolus, Jean	1	1ML	NEAT	

Veritech Control/Receipt Number: 3178

Description
1,2-Dichloroethane-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	396540-1G	EW0372	03/26/08	03/26/18	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3661

Description
Fluorobenzene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F839	388-117B	10/06/08	09/30/13	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 3693

Description
Dibromofluoromethane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30634	A063048	10/22/08	09/30/13	Revolus, Jean	5	100m	NEAT	

Veritech Control/Receipt Number: 3741

Description
Methanol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	907702	G32E79	11/13/08	11/12/10	Okomeng, Maxwel	48	1LT	neat	neat

Veritech Control/Receipt Number: 4030

Description
METHANOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	907702	G49E42	04/07/09	04/06/11	Okomeng, Maxwel	48	1LT	NEAT	NEAT

Veritech Control/Receipt Number: 4269

Description
tert-Amyl, Methyl Ether

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30629	A056353	07/24/09	11/30/12	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 4278

Description
502 CAL MIX#1(GASES)

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30042	A067879	07/29/09	02/28/16	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 4281

Description
tert-Amyl methyl ether

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	5-06737	LB64951	07/30/09	02/28/12	Revolus, Jean	2	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4283

Description
VOA COMP MIX #6(GASES)

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	48799-U	LB68277	07/30/09	09/30/10	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 4284

Description
8260 ADDITIONS MIX#2

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	46831-U	LB64417	07/30/09	11/30/11	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 4285

Description
502/524 VOA CAL MIX

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	502111	LB66091	07/30/09	05/31/11	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 4293

Description
502/524 VOA CAL MIX

ApprovedBy: jean
ApproveDate: 08/04/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	LVOC-1JM	419-54A	08/04/09	02/28/10	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 4457

Description
CHLORODIFLUOROMETHANE

ApprovedBy: jean
ApproveDate: 10/14/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	ALR-CFC-003S-2X	209071278	10/14/09	07/29/19	Revolus, Jean	15	1ml	200	PPM

Veritech Control/Receipt Number: 4512

Description
METHOD 8260 ADDITIONS

ApprovedBy: jean
ApproveDate: 11/11/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	209091009-01	11/11/09	03/02/10	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 4574

Description
CUSTOM VOA MIX

ApprovedBy: jean
ApproveDate: 12/17/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	209121195	12/17/09	06/15/10	Revolus, Jean	5	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4575

Description
CUSTOM VOA MIX

ApprovedBy: jean
ApproveDate: 12/17/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	209121205	12/17/09	06/15/10	Revolus, Jean	5	1ml	2000	PPM

GC/MS Semi-Volatile Data

GC/MS Semi-Volatile Data
QC Summary

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
5M54617.D	SMB4370	Soil	12/27/09 11:08	1		56	68	71	71	76	83
9M22393.D	SMB4370	Soil	12/27/09 11:17	1		75	78	70	71	83	78
9M22405.D	AC49029-001	Soil	12/27/09 15:52	1		72	78	60	60	85	76
5M54618.D	SMB4370(MS)	Soil	12/27/09 11:30	1		55	66	67	69	78	73
5M54619.D	AC49014-004	Soil	12/27/09 11:52	1		50	60	65	66	74	70
5M54620.D	AC49014-004(	Soil	12/27/09 12:15	1		53	66	69	64	75	72
5M54621.D	AC49014-004(	Soil	12/27/09 12:37	1		47	58	64	61	73	66

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: 8270

Soil Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	35-118
S2=Phenol-d5	100	36-121
S3=Nitrobenzene-d5	50	34-128
S4=2-Fluorobiphenyl	50	42-125
S5=2,4,6-Tribromophenol	100	27-155
S6=Terphenyl-d14	50	40-158

FORM 3

Spike Recovery

Batch Number: SMB4370
Mbs Name: SMB4370(MS)
Ns Name: AC49014-004
Ms Name: AC49014-004(MS)
Msd Name: AC49014-004(MSD

Mbs File: 5M54618.D
Non Spk'd File: 5M54619.D
Spike File: 5M54620.D
Spike Dup File: 5M54621.D
Matrix: Soil
Method: EPA 8270C

Mbs Date: 12/27/09 11:30
Non Spk'd Date: 12/27/09 11:52
Spike Date : 12/27/09 12:15
Spike Dup Date: 12/27/09 12:37

Compound	C#	Co	Mr	Conc Exp	Lo Llm	Hi Lim	Rpd Llm	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Phenol	10	1	0	100	35	130	31	66.53	0.00	64.33	56.49	67	64	56	13
2-Chlorophenol	11	1	0	100	43	131	32	75.52	0.00	73.36	65.89	76	73	66	11
1,4-Dichlorobenzene	14	1	0	50	26	128	41	36.10	0.00	32.02	31.59	72	64	63	1.4
2-Methylphenol	18	1	0	100	40	137	32	73.39	0.00	73.38	64.76	73	73	65	12
N-Nitroso-di-n-propyla	21	1	0	50	23	147	39	38.35	0.00	37.84	35.11	77	76	70	7.5
2,4-Dimethylphenol	28	1	0	100	47	135	32	81.53	0.00	78.59	74.84	82	79	75	4.9
1,2,4-Trichlorobenzen	32	1	0	50	40	129	39	38.01	0.00	35.53	33.94	76	71	68	4.6
Naphthalene	33	1	0	50	44	132	41	36.54	0.00	35.07	32.44	73	70	65	7.8
4-Chloro-3-methylphe	37	1	0	100	45	142	32	83.49	0.00	84.26	73.54	83	84	74	14
Acenaphthene	55	1	0	50	47	137	58	37.13	0.00	34.72	33.65	74	69	67	3.1
2,4-Dinitrotoluene	59	1	0	50	30	139	47	38.73	0.00	35.45	33.71	77	71	67	5
4-Nitrophenol	60	1	0	100	35	146	36	71.81	0.00	72.31	78.91	72	72	79	8.7
Fluorene	62	1	0	50	42	135	43	37.24	0.00	35.35	32.79	74	71	66	7.5
Pentachlorophenol	75	1	0	100	38	132	37	82.16	0.00	84.09	79.87	82	84	80	5.1
Pyrene	82	1	0	50	45	167	53	37.28	0.00	36.61	33.83	75	73	68	7.9
Butylbenzylphthalate	88	1	0	50	45	157	40	38.70	0.00	38.74	36.74	77	77	73	5.3

Note:

Rp = Failed Rpd Criteria **Mo = Failed Recovery Criteria**

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

FORM 4
Blank Summary

Blank Number: SMB4370
Blank Data File: 5M54617.D
Matrix: Soil

Blank Analysis Date: 12/27/09 11:08
Blank Extraction Date: 12/23/09
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC49014-004(MSD	5M54621.D	12/27/09 12:37
AC49014-004(MS)	5M54620.D	12/27/09 12:15
AC49014-004	5M54619.D	12/27/09 11:52
SMB4370(MS)	5M54618.D	12/27/09 11:30

FORM 4
Blank Summary

Blank Number: SMB4370
Blank Data File: 9M22393.D
Matrix: Soil

Blank Analysis Date: 12/27/09 11:17
Blank Extraction Date: 12/23/09
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC49029-001	9M22405.D	12/27/09 15:52

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M54326.D
Analysis Date: 12/15/09 09:05
Method: EPA 8270C

Tune Scan/Time Range: Scan 1366

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	52.1	28952	PASS
68	69	0.00	2	1.8	610	PASS
69	198	0.00	100	60.3	33512	PASS
70	69	0.00	2	0.6	213	PASS
127	198	40	60	55.9	31048	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	55560	PASS
199	198	5	9	6.9	3824	PASS
275	198	10	30	20.9	11619	PASS
365	198	1	100	2.2	1235	PASS
441	443	0.01	100	85.1	4499	PASS
442	198	40	100	48.7	27048	PASS
443	442	17	23	19.6	5288	PASS

Data File	Sample Number	Analysis Date:
5M54327.D	CAL BNA@50PPM	12/15/09 09:37
5M54328.D	CAL BNA@196PP	12/15/09 10:02
5M54329.D	CAL BNA@160PP	12/15/09 10:24
5M54330.D	CAL BNA@120PP	12/15/09 10:46
5M54331.D	CAL BNA@80PPM	12/15/09 11:09
5M54332.D	CAL BNA@20PPM	12/15/09 11:31
5M54333.D	CAL BNA@10PPM	12/15/09 11:53
5M54334.D	CAL BNA@2PPM	12/15/09 12:15
5M54335.D	CAL BNA@10PPM	12/15/09 13:07
5M54336.D	CAL BNA@2PPM	12/15/09 13:41
5M54337.D	CAL BNA@50PPM	12/15/09 14:06
5M54338.D	ICV BNA@50PPM	12/15/09 14:28
5M54339.D	AC48776-001	12/15/09 15:40

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M22188.D
Analysis Date: 12/17/09 09:03
Method: EPA 8270C

Tune Scan/Time Range: Scan 1387

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.2	4103	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.3	4418	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	48.1	4904	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	10205	PASS
199	198	5	9	6.8	689	PASS
275	198	10	30	22.4	2289	PASS
365	198	1	100	3.9	394	PASS
441	443	0.01	100	71.4	1317	PASS
442	198	40	100	81.2	8282	PASS
443	442	17	23	22.3	1844	PASS

Data File	Sample Number	Analysis Date:
9M22189.D	CAL BNA@50PPM	12/17/09 10:22
9M22190.D	CAL BNA@196PP	12/17/09 10:45
9M22191.D	CAL BNA@160PP	12/17/09 11:08
9M22192.D	CAL BNA@120PP	12/17/09 11:31
9M22193.D	CAL BNA@80PPM	12/17/09 11:53
9M22194.D	CAL BNA@20PPM	12/17/09 12:16
9M22195.D	CAL BNA@10PPM	12/17/09 12:39
9M22196.D	CAL BNA@2PPM	12/17/09 13:02
9M22197.D	CAL BNA@10PPM	12/17/09 13:27
9M22198.D	ICV BNA@50PPM	12/17/09 13:50
9M22199.D	SMB4360	12/17/09 14:25
9M22200.D	WMB4352(MS)	12/17/09 14:47
9M22201.D	WMB4352	12/17/09 15:10
9M22202.D	AC48852-001(T)	12/17/09 15:33
9M22203.D	SMB4360(MS)	12/17/09 15:56
9M22204.D	AC48721-002	12/17/09 16:19
9M22205.D	AC48721-002(MS)	12/17/09 16:42
9M22206.D	AC48721-002(MSD	12/17/09 17:05
9M22207.D	AC48736-001	12/17/09 17:28
9M22208.D	AC48729-004	12/17/09 17:50
9M22209.D	AC48729-010	12/17/09 18:13
9M22210.D	AC48729-011	12/17/09 18:36
9M22211.D	AC48729-012	12/17/09 18:59
9M22212.D	AC48729-013	12/17/09 19:22
9M22213.D	AC48729-014	12/17/09 19:45
9M22214.D	AC48729-015	12/17/09 20:08
9M22215.D	AC48729-016	12/17/09 20:31
9M22216.D	AC48729-008	12/17/09 20:54

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M54615.D
Analysis Date: 12/27/09 10:24
Method: EPA 8270C

Tune Scan/Time Range: Scan 1378

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	55.7	19280	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	62.6	21672	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	58.8	20344	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	34616	PASS
199	198	5	9	7.0	2416	PASS
275	198	10	30	19.7	6811	PASS
365	198	1	100	1.8	609	PASS
441	443	0.01	100	71.7	2308	PASS
442	198	40	100	43.2	14953	PASS
443	442	17	23	21.5	3221	PASS

Data File	Sample Number	Analysis Date:
5M54616.D	CAL BNA@50PPM	12/27/09 10:46
5M54617.D	SMB4370	12/27/09 11:08
5M54618.D	SMB4370(MS)	12/27/09 11:30
5M54619.D	AC49014-004	12/27/09 11:52
5M54620.D	AC49014-004(MS)	12/27/09 12:15
5M54621.D	AC49014-004(MSD	12/27/09 12:37
5M54622.D	AC49043-001	12/27/09 12:58
5M54623.D	AC49043-002	12/27/09 13:20
5M54624.D	AC49007-004	12/27/09 13:43
5M54625.D	AC48693-010(T)	12/27/09 14:05
5M54626.D	AC48693-011(T)	12/27/09 14:27
5M54627.D	AC48693-012(T)	12/27/09 14:49
5M54628.D	AC48693-013(T)	12/27/09 15:11
5M54629.D	AC48693-014(T)	12/27/09 15:33
5M54630.D	AC48693-015(T)	12/27/09 15:55
5M54631.D	AC48693-016(T)	12/27/09 16:17
5M54632.D	AC48693-019(T)	12/27/09 16:39
5M54633.D	AC48693-021(T)	12/27/09 17:01
5M54634.D	AC48991-039	12/27/09 17:23
5M54635.D	AC48914-006	12/27/09 17:46
5M54636.D	AC48997-001	12/27/09 18:08
5M54637.D	AC48997-002	12/27/09 18:30
5M54638.D	AC48997-003	12/27/09 18:52
5M54639.D	AC49014-003	12/27/09 19:14
5M54640.D	AC49014-005	12/27/09 19:36
5M54641.D	AC49045-001	12/27/09 19:58
5M54642.D	AC49045-002	12/27/09 20:20
5M54643.D	AC49045-003	12/27/09 20:42
5M54644.D	AC49045-004	12/27/09 21:04
5M54645.D	AC49045-005	12/27/09 21:26
5M54646.D	AC48999-001	12/27/09 21:48
5M54647.D	AC48999-002	12/27/09 22:10
5M54648.D	AC49001-001	12/27/09 22:32
5M54649.D	AC49001-002	12/27/09 22:54
5M54650.D	AC49027-001	12/27/09 23:16
5M54651.D	AC49027-002	12/27/09 23:38
5M54652.D	AC49028-001	12/28/09 00:00
5M54653.D	AC49028-002	12/28/09 00:22
5M54654.D	SMB (Na2SO4)	12/28/09 00:44
5M54655.D	SMB (NO Na2SO4)	12/28/09 01:06

Form 5

Tune Name: CAL DFTPP **Data File:** 9M22391.D
Instrument: GCMS 9 **Analysis Date:** 12/27/09 10:27
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.818 to 9.829 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	51.9	14047	PASS
68	69	0.00	2	1.1	141	PASS
69	198	0.00	100	48.8	13192	PASS
70	69	0.00	2	0.6	78	PASS
127	198	40	60	52.3	14143	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	27053	PASS
199	198	5	9	6.3	1694	PASS
275	198	10	30	22.5	6098	PASS
365	198	1	100	2.9	783	PASS
441	443	0.01	100	80.7	2836	PASS
442	198	40	100	72.7	19669	PASS
443	442	17	23	17.9	3514	PASS

Data File	Sample Number	Analysis Date:
9M22392.D	CAL BNA@50PPM	12/27/09 10:53
9M22393.D	SMB4370	12/27/09 11:17
9M22394.D	AC48938-012	12/27/09 11:40
9M22395.D	AC49014-002	12/27/09 12:02
9M22396.D	AC48997-005	12/27/09 12:25
9M22397.D	AC48997-007	12/27/09 12:48
9M22398.D	AC48957-001	12/27/09 13:11
9M22399.D	AC48974-002	12/27/09 13:34
9M22400.D	AC48878-002	12/27/09 13:57
9M22401.D	AC48869-001	12/27/09 14:20
9M22402.D	AC48981-001	12/27/09 14:43
9M22403.D	AC48981-002	12/27/09 15:06
9M22404.D	AC48951-001	12/27/09 15:29
9M22405.D	AC49029-001	12/27/09 15:52
9M22406.D	AC49014-007	12/27/09 16:15
9M22407.D	AC49056-002	12/27/09 16:38
9M22408.D	AC48923-015	12/27/09 17:01
9M22409.D	AC48891-001	12/27/09 17:24
9M22410.D	AC48938-012(10X)	12/27/09 17:47
9M22411.D	AC48938-013(10X)	12/27/09 18:10
9M22412.D	AC48855-001(3X)	12/27/09 18:33
9M22413.D	AC48974-001(3X)	12/27/09 18:56
9M22414.D	AC48983-004(2X)	12/27/09 19:19
9M22415.D	AC49008-002(5X)	12/27/09 19:42
9M22416.D	AC49014-001(5X)	12/27/09 20:05
9M22417.D	AC49014-006(5X)	12/27/09 20:28
9M22418.D	AC48974-003(5X)	12/27/09 20:51
9M22419.D	AC48997-006(20X)	12/27/09 21:13
9M22420.D	AC48878-002(3X)	12/27/09 21:36
9M22421.D	TEST	12/27/09 21:59
9M22422.D	TEST	12/27/09 22:22
9M22423.D	TEST	12/27/09 22:45
9M22424.D	TEST	12/27/09 23:08
9M22425.D	TEST	12/27/09 23:31
9M22426.D	TEST	12/27/09 23:54
9M22427.D	TEST	12/28/09 00:17
9M22428.D	TEST	12/28/09 00:40

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M54327.D Method: EPA 8270C

Analysis Date/Time: 12/15/09 09:37

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	28218	5.31	101711	6.34	59094	7.70	97500	9.11	88589	12.14	90391	13.74
Eval File Area Limit:	14109-56436		50856-203422		29547-118188		48750-195000		44294-177178		45196-180782	
Eval File Rt Limit:	4.81-5.81		5.84-6.84		7.2-8.2		8.61-9.61		11.64-12.64		13.24-14.24	

Data File	Sample											
5M54327.D	CAL BNA@50	28218	5.31	101711	6.34	59094	7.70	97500	9.11	88589	12.14	90391	13.74
5M54328.D	CAL BNA@10	24547	5.31	94457	6.34	58466	7.70	96645	9.12	86004	12.15	84079	13.75
5M54329.D	CAL BNA@16	24401	5.31	94467	6.33	57794	7.70	100628	9.11	86298	12.15	87558	13.74
5M54330.D	CAL BNA@12	25508	5.31	97856	6.33	58128	7.70	102400	9.11	88776	12.14	88911	13.74
5M54331.D	CAL BNA@80	26117	5.31	99434	6.33	56925	7.70	99466	9.11	88343	12.14	91839	13.74
5M54332.D	CAL BNA@20	30091	5.31	112568	6.33	64425	7.69	108763	9.11	100725	12.14	101449	13.74
5M54335.D	CAL BNA@10	30777	5.31	123044	6.33	69168	7.70	112154	9.11	99472	12.14	100500	13.74
5M54336.D	CAL BNA@2F	33464	5.31	133219	6.33	74587	7.70	122185	9.11	107900	12.14	108970	13.74
5M54338.D	ICV BNA@50	29121	5.31	116810	6.33	66210	7.69	110251	9.11	102879	12.14	98588	13.74

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M22189.D Method: EPA 8270C

Analysis Date/Time: 12/17/09 10:22

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	34786	5.68	141169	6.69	79115	8.11	129086	9.56	104227	12.61	106340	14.22
Eval File Area Limit:	17393-69572		70584-282338		39558-158230		64543-258172		52114-208454		53170-212680	
Eval File Rt Limit:	5.18-6.18		6.19-7.19		7.61-8.61		9.06-10.06		12.11-13.11		13.72-14.72	

Data File	Sample											
9M22189.D	CAL BNA@5C	34786	5.68	141169	6.69	79115	8.11	129086	9.56	104227	12.61	106340	14.22
9M22190.D	CAL BNA@1S	34035	5.68	132938	6.69	77058	8.11	125385	9.56	95062	12.62	93935	14.22
9M22191.D	CAL BNA@1E	33661	5.68	135402	6.69	74631	8.11	125202	9.56	97876	12.62	98607	14.22
9M22192.D	CAL BNA@12	32144	5.68	127007	6.69	69763	8.11	115817	9.56	94248	12.62	97952	14.22
9M22193.D	CAL BNA@8C	36223	5.68	140932	6.69	76377	8.11	125915	9.56	102927	12.61	105894	14.22
9M22194.D	CAL BNA@2C	35734	5.68	148047	6.69	82508	8.10	133456	9.56	110918	12.60	112776	14.21
9M22196.D	CAL BNA@2F	33445	5.68	136210	6.69	77590	8.10	131873	9.56	110296	12.60	115041	14.21
9M22197.D	CAL BNA@1C	36721	5.68	150571	6.69	84174	8.10	138312	9.56	113375	12.60	113595	14.21
9M22198.D	ICV BNA@50	36800	5.68	146027	6.69	80022	8.10	133899	9.56	110587	12.61	112193	14.21
9M22199.D	SMB4360	37683	5.68	146103	6.69	80843	8.10	130196	9.56	100188	12.60	102859	14.22
9M22200.D	WMB4352(MS	39925	5.68	156384	6.69	84670	8.10	140418	9.56	113564	12.62	112429	14.22
9M22201.D	WMB4352	36276	5.68	140266	6.69	78509	8.10	127506	9.56	105634	12.60	112967	14.21
9M22202.D	AC48852-001(	40925	5.68	163392	6.69	90599	8.10	142198	9.56	100718	12.61	101132	14.22
9M22203.D	SMB4360(MS.	39601	5.68	157960	6.69	85257	8.10	132925	9.56	92978	12.60	90702	14.21
9M22204.D	AC48721-002	37835	5.68	141938	6.69	80900	8.11	124867	9.56	98639	12.60	94439	14.21
9M22205.D	AC48721-002(	38305	5.68	159940	6.69	95801	8.11	154155	9.56	131425	12.61	122315	14.21
9M22206.D	AC48721-002(	38393	5.68	154327	6.69	88821	8.11	147335	9.57	118114	12.60	114344	14.21
9M22207.D	AC48736-001	37478	5.68	155095	6.69	86864	8.10	140904	9.56	105084	12.60	98713	14.21
9M22208.D	AC48729-004	44008	5.68	176730	6.69	98462	8.10	153504	9.56	116197	12.60	113290	14.21
9M22209.D	AC48729-010	44043	5.68	174781	6.69	98244	8.10	154669	9.56	109642	12.60	106091	14.21
9M22210.D	AC48729-011	44733	5.68	184002	6.69	97811	8.10	154982	9.56	110703	12.60	109369	14.21
9M22211.D	AC48729-012	45371	5.68	184219	6.69	101356	8.10	152116	9.56	107472	12.60	106179	14.21
9M22212.D	AC48729-013	40523	5.68	159631	6.69	85754	8.10	133759	9.56	97107	12.60	95591	14.21
9M22213.D	AC48729-014	40747	5.68	157750	6.69	85796	8.10	137822	9.56	101083	12.60	98938	14.21
9M22214.D	AC48729-015	38198	5.68	150529	6.69	82396	8.10	137225	9.56	99370	12.60	94759	14.21
9M22215.D	AC48729-016	40197	5.68	153579	6.69	84017	8.10	139527	9.56	100184	12.60	97699	14.21
9M22216.D	AC48729-008	40025	5.68	165584	6.69	91122	8.10	147739	9.56	108749	12.60	106880	14.21

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 5M54616.D Method: EPA 8270C

Analysis Date/Time: 12/27/09 10:46

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	22803	5.29	92240	6.31	52515	7.67	96562	9.08	87604	12.10	88983	13.69
Eval File Area Limit:	11402-45606		46120-184480		26258-105030		48281-193124		43802-175208		44492-177966	
Eval File Rt Limit:	4.79-5.79		5.81-6.81		7.17-8.17		8.58-9.58		11.6-12.6		13.19-14.19	

Data File	Sample											
5M54617.D	SMB4370	25278	5.29	103994	6.31	63803	7.67	104169	9.08	90651	12.10	96118	13.69
5M54618.D	SMB4370(MS,	27114	5.29	109046	6.31	66608	7.67	111386	9.08	99249	12.10	98903	13.69
5M54619.D	AC49014-004	23968	5.29	97324	6.31	55273	7.67	97379	9.08	87698	12.10	92900	13.69
5M54620.D	AC49014-004(	26380	5.29	104610	6.31	67815	7.67	110966	9.08	96522	12.10	95278	13.69
5M54621.D	AC49014-004(	24604	5.29	94936	6.31	58851	7.67	95526	9.08	88831	12.10	88233	13.69
5M54622.D	AC49043-001	28150	5.29	103977	6.31	60135	7.67	105470	9.07	97338	12.09	101189	13.69
5M54623.D	AC49043-002	26609	5.29	109228	6.31	67476	7.67	111229	9.08	99472	12.10	102566	13.69
5M54624.D	AC49007-004	25391	5.29	101477	6.31	60339	7.67	100401	9.08	92314	12.10	92453	13.69
5M54625.D	AC48693-010(	27840	5.29	110165	6.31	65841	7.67	106419	9.08	98673	12.10	101669	13.69
5M54626.D	AC48693-011(	26700	5.29	104577	6.31	59902	7.67	99070	9.08	92872	12.10	95306	13.69
5M54627.D	AC48693-012(	31137	5.29	121144	6.31	73019	7.67	119139	9.08	107227	12.10	111498	13.69
5M54628.D	AC48693-013(	27860	5.29	109424	6.31	61586	7.67	105223	9.08	94115	12.10	98034	13.69
5M54629.D	AC48693-014(	27326	5.29	108769	6.31	63053	7.67	105134	9.08	96618	12.10	98581	13.69
5M54630.D	AC48693-015(	24459	5.29	101914	6.31	57521	7.67	98111	9.08	89451	12.10	92835	13.69
5M54631.D	AC48693-016(	29692	5.29	118275	6.31	67871	7.67	111536	9.08	101916	12.10	104423	13.69
5M54632.D	AC48693-019(	32698	5.29	127024	6.31	73728	7.67	121244	9.08	111436	12.10	116428	13.69
5M54633.D	AC48693-021(	29312	5.29	116666	6.31	64995	7.67	107768	9.08	100948	12.10	107593	13.69
5M54634.D	AC48991-039	26979	5.29	105875	6.31	62403	7.67	106178	9.08	97538	12.10	95182	13.69
5M54635.D	AC48914-006	28370	5.29	98231	6.31	62761	7.68	95940	9.09	82683	12.10	90865	13.69
5M54636.D	AC48997-001	28739	5.29	119581	6.31	73526	7.67	119255	9.08	106590	12.10	106721	13.69
5M54637.D	AC48997-002	28411	5.29	117805	6.31	69517	7.67	112329	9.08	100661	12.10	98426	13.69
5M54638.D	AC48997-003	29157	5.29	122208	6.31	73285	7.67	116472	9.07	103105	12.10	98105	13.69
5M54639.D	AC49014-003	26902	5.29	110692	6.31	65869	7.67	108171	9.08	93619	12.10	91205	13.69
5M54640.D	AC49014-005	23909	5.29	100852	6.31	59731	7.67	96368	9.08	85689	12.10	84850	13.69
5M54641.D	AC49045-001	26161	5.29	107790	6.31	62923	7.67	101508	9.08	85255	12.10	83167	13.69
5M54642.D	AC49045-002	26575	5.29	105704	6.31	63738	7.67	105596	9.08	87487	12.10	86784	13.69
5M54643.D	AC49045-003	25697	5.29	106335	6.31	61897	7.67	101851	9.08	90111	12.10	86931	13.69
5M54644.D	AC49045-004	28186	5.29	111544	6.31	68255	7.67	110633	9.08	93442	12.10	87189	13.69
5M54645.D	AC49045-005	26724	5.29	108550	6.31	62291	7.67	103482	9.08	85151	12.09	83961	13.69
5M54654.D	SMB (Na2SO	24915	5.29	101307	6.31	58863	7.67	97471	9.08	82987	12.10	83094	13.69
5M54655.D	SMB (NO Na2	27158	5.29	109989	6.31	63357	7.67	104525	9.08	92535	12.10	89306	13.69

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M22392.D Method: EPA 8270C

Analysis Date/Time: 12/27/09 10:53

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	35296	5.65	143689	6.67	82026	8.07	139786	9.53	117904	12.58	123983	14.19
Eval File Area Limit:	17648-70592		71844-287378		41013-164052		69893-279572		58952-235808		61992-247966	
Eval File Rt Limit:	5.15-6.15		6.17-7.17		7.57-8.57		9.03-10.03		12.08-13.08		13.69-14.69	

Data File	Sample											
9M22393.D	SMB4370	40921	5.65	167669	6.66	95233	8.07	159493	9.52	131368	12.57	137682	14.19
9M22394.D	AC48938-012	36338	5.66	122181	6.67	85257	8.10	134544	9.56	141617	12.58	145387	14.19
9M22395.D	AC49014-002	47145	5.65	188594	6.66	110430	8.07	173835	9.52	124277	12.57	121288	14.19
9M22396.D	AC48997-005	47759	5.65	191869	6.66	107860	8.07	162424	9.52	115827	12.58	125840	14.19
9M22397.D	AC48997-007	42569	5.65	179489	6.66	111980	8.07	195703	9.52	128149	12.58	126201	14.19
9M22398.D	AC48957-001	34446	5.65	160848	6.66	109079	8.07	196982	9.52	143345	12.58	127692	14.19
9M22399.D	AC48974-002	30838	5.65	147229	6.66	97287	8.07	177559	9.52	137625	12.58	127323	14.19
9M22400.D	AC48878-002	43580	5.65	166021	6.67	105414	8.09	179144	9.54	151129	12.58	143592	14.19
9M22401.D	AC48869-001	31495	5.65	142107	6.66	95772	8.07	170510	9.52	140884	12.58	128043	14.19
9M22402.D	AC48981-001	42153	5.65	178215	6.66	112544	8.07	188772	9.52	118467	12.57	115818	14.19
9M22403.D	AC48981-002	39313	5.65	171983	6.66	107507	8.07	186530	9.52	118995	12.58	118661	14.19
9M22404.D	AC48951-001	34989	5.65	138572	6.67	95952	8.09	164892	9.54	156402	12.58	149313	14.19
9M22405.D	AC49029-001	28717	5.65	137765	6.66	92568	8.07	161922	9.52	133971	12.58	123079	14.19
9M22406.D	AC49014-007	44160	5.65	184411	6.66	115911	8.07	194814	9.52	124038	12.57	123122	14.19
9M22407.D	AC49056-002	34641	5.66	127407	6.67	87865	8.09	143407	9.55	141278	12.58	129833	14.19
9M22408.D	AC48923-015	40183	5.65	170357	6.66	111542	8.07	204664	9.52	136825	12.58	134060	14.19
9M22409.D	AC48891-001	31294	5.65	136876	6.66	93020	8.07	161174	9.53	154280	12.58	140886	14.19
9M22410.D	AC48938-012	41298	5.65	166867	6.66	104903	8.07	177886	9.53	132945	12.58	134450	14.19
9M22411.D	AC48938-013	40859	5.65	160553	6.66	104883	8.07	184627	9.53	131061	12.58	129296	14.19
9M22412.D	AC48855-001	42623	5.66	161496	6.67	102455	8.08	184976	9.53	125559	12.58	129389	14.19
9M22413.D	AC48974-001	43863	5.65	188888	6.66	120529	8.07	202965	9.52	131265	12.58	132428	14.19
9M22414.D	AC48983-004	43077	5.65	185186	6.66	112902	8.07	191070	9.52	121627	12.58	125207	14.19
9M22415.D	AC49008-002	42299	5.66	184117	6.66	119397	8.07	200403	9.52	126551	12.58	126096	14.19
9M22416.D	AC49014-001	46783	5.65	198371	6.66	122945	8.07	193705	9.52	121543	12.58	125358	14.19
9M22417.D	AC49014-006	50155	5.65	203297	6.66	123279	8.07	190593	9.52	123688	12.58	126664	14.19
9M22418.D	AC48974-003	43623	5.65	189511	6.66	116826	8.07	197193	9.52	121600	12.58	120447	14.20
9M22419.D	AC48997-006	46486	5.65	193667	6.66	121582	8.07	202715	9.52	128070	12.58	127888	14.19
9M22420.D	AC48878-002	45546	5.65	182358	6.66	116516	8.07	190008	9.53	135027	12.58	135531	14.19
9M22421.D	TEST	40337	5.65	163509	6.67	96319	8.07	155216	9.52	105981	12.58	109913	14.19
9M22422.D	TEST	40108	5.65	164624	6.67	101825	8.07	172967	9.53	110736	12.58	108567	14.19
9M22423.D	TEST	39289	5.65	162803	6.67	97405	8.07	154537	9.52	105448	12.58	109034	14.19
9M22424.D	TEST	39168	5.65	161047	6.67	96120	8.07	153286	9.52	102672	12.58	111148	14.19
9M22425.D	TEST	40303	5.65	167390	6.67	100010	8.07	162008	9.52	105414	12.58	114473	14.19
9M22426.D	TEST	40880	5.65	166599	6.67	98163	8.07	162555	9.52	106225	12.58	110059	14.19
9M22427.D	TEST	40224	5.65	166082	6.67	98933	8.07	158959	9.52	105914	12.58	109383	14.19
9M22428.D	TEST	39443	5.65	165788	6.67	98978	8.07	154847	9.52	104420	12.58	109835	14.19

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

GC/MS Semi-Volatile Data
Sample Data

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC49029-001
Client Id: PI-01-TP-RAN2 121809SS0
Data File: 9M22405.D
Analysis Date: 12/27/09 15:52
Date Rec/Extracted: 12/21/09-12/23/09
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 56

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.12	U	191-24-2	Benzo[g,h,i]perylene	0.12	U
122-66-7	1,2-Diphenylhydrazine	0.12	U	207-08-9	Benzo[k]fluoranthene	0.12	U
95-95-4	2,4,5-Trichlorophenol	0.12	U	65-85-0	Benzoic Acid	0.12	U
88-06-2	2,4,6-Trichlorophenol	0.12	U	111-91-1	bis(2-Chloroethoxy)methan	0.12	U
120-83-2	2,4-Dichlorophenol	0.12	U	111-44-4	bis(2-Chloroethyl)ether	0.12	U
105-67-9	2,4-Dimethylphenol	0.12	U	108-60-1	bis(2-chloroisopropyl)ether	0.12	U
51-28-5	2,4-Dinitrophenol	0.60	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.12	U
121-14-2	2,4-Dinitrotoluene	0.12	U	85-68-7	Butylbenzylphthalate	0.12	U
606-20-2	2,6-Dinitrotoluene	0.12	U	86-74-8	Carbazole	0.12	U
91-58-7	2-Chloronaphthalene	0.12	U	**218-01-9**	**Chrysene**	**0.12**	**0.23**
95-57-8	2-Chlorophenol	0.12	U	53-70-3	Dibenzo[a,h]anthracene	0.12	U
91-57-6	**2-Methylnaphthalene**	**0.12**	**1.7**	132-64-9	Dibenzofuran	0.12	U
95-48-7	2-Methylphenol	0.12	U	84-66-2	Diethylphthalate	0.12	U
88-74-4	2-Nitroaniline	0.12	U	131-11-3	Dimethylphthalate	0.12	U
88-75-5	2-Nitrophenol	0.12	U	84-74-2	Di-n-butylphthalate	0.12	U
106-44-5	3&4-Methylphenol	0.12	U	117-84-0	Di-n-octylphthalate	0.12	U
91-94-1	3,3'-Dichlorobenzidine	0.12	U	**206-44-0**	**Fluoranthene**	**0.12**	**0.35**
99-09-2	3-Nitroaniline	0.12	U	**86-73-7**	**Fluorene**	**0.12**	**0.27**
534-52-1	4,6-Dinitro-2-methylphenol	0.60	U	118-74-1	Hexachlorobenzene	0.12	U
101-55-3	4-Bromophenyl-phenylether	0.12	U	87-68-3	Hexachlorobutadiene	0.12	U
59-50-7	4-Chloro-3-methylphenol	0.12	U	77-47-4	Hexachlorocyclopentadiene	0.12	U
106-47-8	4-Chloroaniline	0.12	U	67-72-1	Hexachloroethane	0.12	U
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.12	U
100-01-6	4-Nitroaniline	0.12	U	78-59-1	Isophorone	0.12	U
100-02-7	4-Nitrophenol	0.12	U	**91-20-3**	**Naphthalene**	**0.12**	**0.14**
83-32-9	**Acenaphthene**	**0.12**	**0.16**	98-95-3	Nitrobenzene	0.12	U
208-96-8	Acenaphthylene	0.12	U	62-75-9	N-Nitrosodimethylamine	0.12	U
62-53-3	Aniline	0.12	U	621-64-7	N-Nitroso-di-n-propylamine	0.12	U
120-12-7	**Anthracene**	**0.12**	**0.19**	86-30-6	n-Nitrosodiphenylamine	0.12	U
92-87-5	Benzidine	0.60	U	87-86-5	Pentachlorophenol	0.60	U
56-55-3	**Benzo[a]anthracene**	**0.12**	**0.18**	**85-01-8**	**Phenanthrene**	**0.12**	**1.2**
50-32-8	Benzo[a]pyrene	0.12	U	108-95-2	Phenol	0.12	U
205-99-2	Benzo[b]fluoranthene	0.12	U	**129-00-0**	**Pyrene**	**0.12**	**0.91**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC49029-001
Client Id: PI-01-TP-RAN2 121809
Data File: 9M22405.D
Analysis Date: 12/27/09 15:52
Date Rec/Extracted: 12/21/09-12/23/09

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 56
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.17	200 JAB
2	264-09-5	BENZOCYCLOHEPTATRIENE	7.28	1.1 J
3	575-37-1	Naphthalene, 1,7-dimethyl-	7.71	1.1 J
4	575-41-7	Naphthalene, 1,3-dimethyl-	7.77	1.3 J
5	2131-42-2	Naphthalene, 1,4,6-trimethyl-	8.45	1.0 J
6	629-78-7	Heptadecane	8.92	1.6 J
7		unknown	10.59	3.3 J
8	1576-69-8	Phenanthrene, 2,7-dimethyl-	10.71	1.1 J
9	629-94-7	Heneicosane	10.78	1.1 J
10	76319-77-2	10-Methoxybenz[a]azulen-1,4-dione	10.94	1.2 J
11	629-78-7	Heptadecane	11.22	2.1 J
12	638-67-5	Tricosane	11.65	2.6 J
13	593-45-3	Octadecane	12.07	2.2 J
14	630-06-8	Hexatriacontane	12.47	1.7 J
15	35599-77-0	Tridecane, 1-iodo-	12.86	1.5 J
16		unknown	13.89	2.2 J
17		unknown	13.94	3.0 J
18	1989-52-2	Cholest-5-en-3-ol (3.beta.)-, tetradecan	14.11	3.1 J
19	19454-79-6	19-NORCHOLESTA-1,3,5(10)-TRIEN-6-	14.31	0.99 J
20		unknown	14.60	2.0 J
21		unknown	14.66	1.5 J
22		unknown	14.86	3.6 J
23	6384-28-7	Cholest-7-en-3-ol, 4,4-dimethyl-, (3.bet	15.96	4.1 J
24		unknown	16.03	1.4 J
25		unknown	16.18	0.98 J

Worksheet #: 140342

Total Tentatively Identified Concentration 250

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

Quantitation Report (QT/LSC Reviewed)

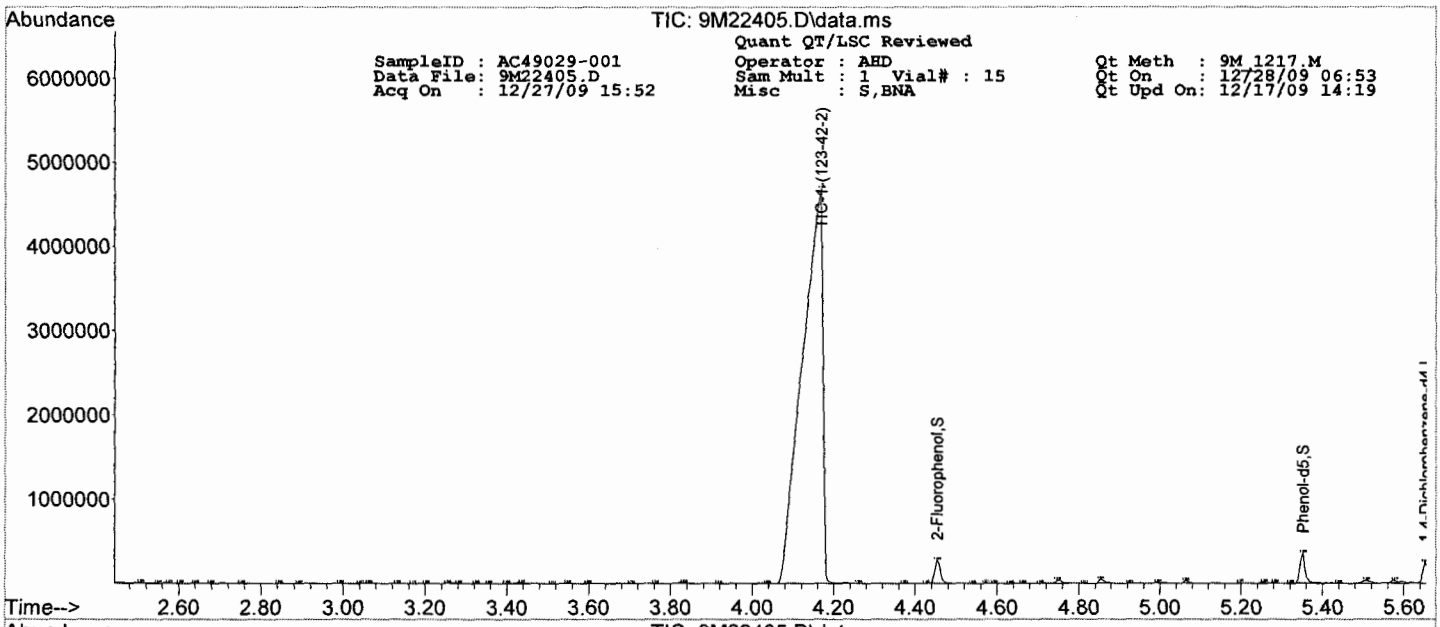
SampleID : AC49029-001 Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22405.D Sam Mult : 1 Vial# : 15 Qt On : 12/28/09 06:53
Acq On : 12/27/09 15:52 Misc : S,BNA Qt Upd On: 12/17/09 14:19

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.651	152	28717	40.00	ng	-0.03
23) Naphthalene-d8	6.662	136	137765	40.00	ng	-0.03
41) Acenaphthene-d10	8.069	164	92568	40.00	ng	-0.04
67) Phenanthrene-d10	9.524	188	161922	40.00	ng	-0.03
81) Chrysene-d12	12.578	240	133971	40.00	ng	-0.03
96) Perylene-d12	14.193	264	123079	40.00	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	4.453	112	63920	72.09	ng	-0.02
Spiked Amount 100.000			Recovery = 72.09%			
9) Phenol-d5	5.352	99	97871	78.10	ng	-0.02
Spiked Amount 100.000			Recovery = 78.10%			
24) Nitrobenzene-d5	6.106	128	17901	29.78	ng	-0.03
Spiked Amount 50.000			Recovery = 59.56%			
46) 2-Fluorobiphenyl	7.491	172	95495	29.80	ng	-0.03
Spiked Amount 50.000			Recovery = 59.60%			
70) 2,4,6-Tribromophenol	8.807	330	26474	84.95	ng	-0.03
Spiked Amount 100.000			Recovery = 84.95%			
84) Terphenyl-d14	11.332	244	135348	37.80	ng	-0.03
Spiked Amount 50.000			Recovery = 75.60%			
Target Compounds						Qvalue
33) Naphthalene	6.678	128	8465	2.28	ng	94
38) 2-Methylnaphthalene	7.208	142	71404	28.05	ng	100
55) Acenaphthene	8.101	153	8186	2.77	ng	83
62) Fluorene	8.572	166	14690	4.49	ng	94
76) Phenanthrene	9.551	178	97082	19.64	ng	99
77) Anthracene	9.604	178	16476	3.20	ng	89
80) Fluoranthene	10.888	202	30005	5.82	ng	97
82) Pyrene	11.145	202	86897	15.29	ng	90
93) Benzo[a]anthracene	12.567	228	14729	3.04	ng	94
94) Chrysene	12.610	228	17258	3.79	ng	82
Library Search Compounds						
1) 123-42-2	4.170		16258600	3364.67	ng	59
2) 264-09-5	7.280		176656	18.86	ng	94
3) 575-37-1	7.710		217568	18.33	ng	97
4) 575-41-7	7.770		261895	22.07	ng	97
5) 629-62-9	7.990		185027	15.59	ng	94
6) 2131-42-2	8.450		204439	17.23	ng	98
7) 629-78-7	8.920		322754	26.08	ng	96
8) 832-64-4	10.070		202042	16.32	ng	93
9) UNKNOWN	10.590		694610	56.12	ng	--
10) 1576-69-8	10.710		229313	18.53	ng	96
11) 629-94-7	10.780		221424	17.89	ng	98
12) 76319-77-2	10.940		255889	20.67	ng	78
13) 629-78-7	11.220		451935	35.16	ng	97
14) 638-67-5	11.650		559272	43.52	ng	95
15) 593-45-3	12.070		473378	36.83	ng	95
16) 630-06-8	12.470		365849	28.47	ng	93
17) 35599-77-0	12.860		322941	25.13	ng	93
18) 593-45-3	13.230		208759	16.24	ng	96
19) UNKNOWN	13.890		390501	36.88	ng	--
20) UNKNOWN	13.940		526655	49.73	ng	--
21) 1989-52-2	14.110		545225	51.49	ng	52
22) 19454-79-6	14.310		176950	16.71	ng	58
23) UNKNOWN	14.600		351919	33.23	ng	--
24) UNKNOWN	14.660		259364	24.49	ng	--
25) UNKNOWN	14.860		648539	61.24	ng	--
26) 6384-28-7	15.960		724129	68.38	ng	80
27) UNKNOWN	16.030		250875	23.69	ng	--
28) UNKNOWN	16.180		174116	16.44	ng	--

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Ke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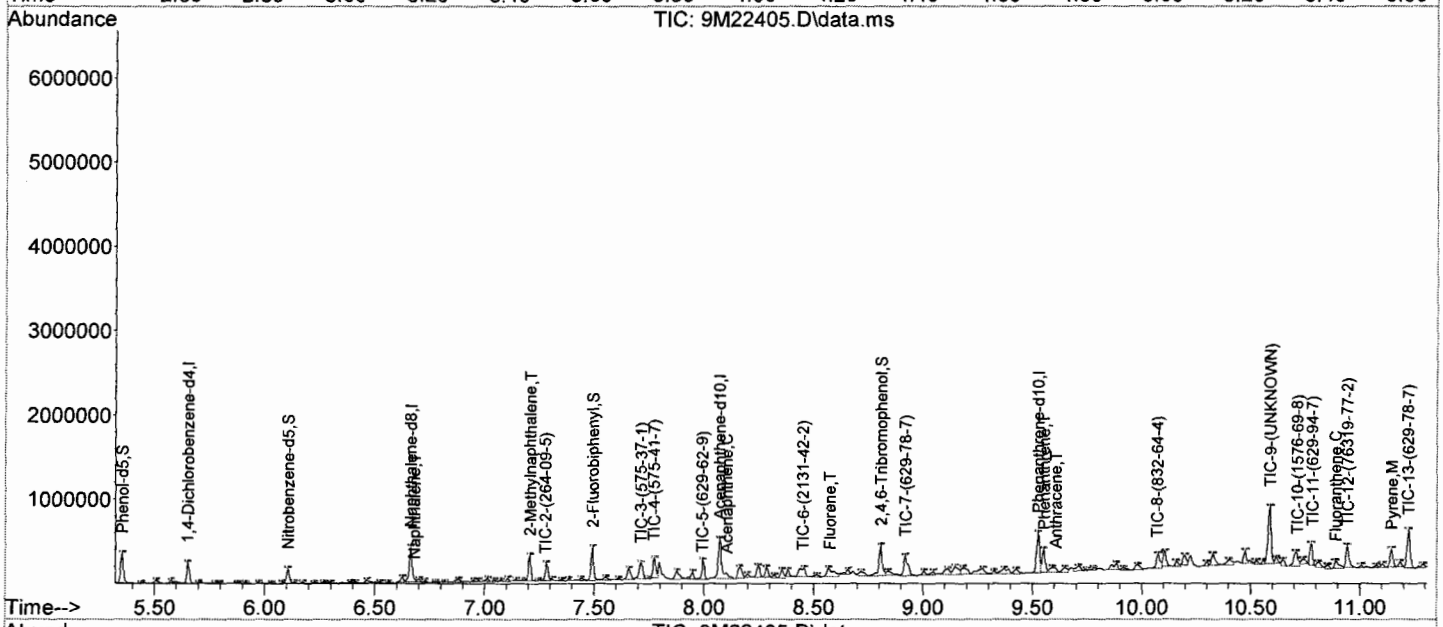
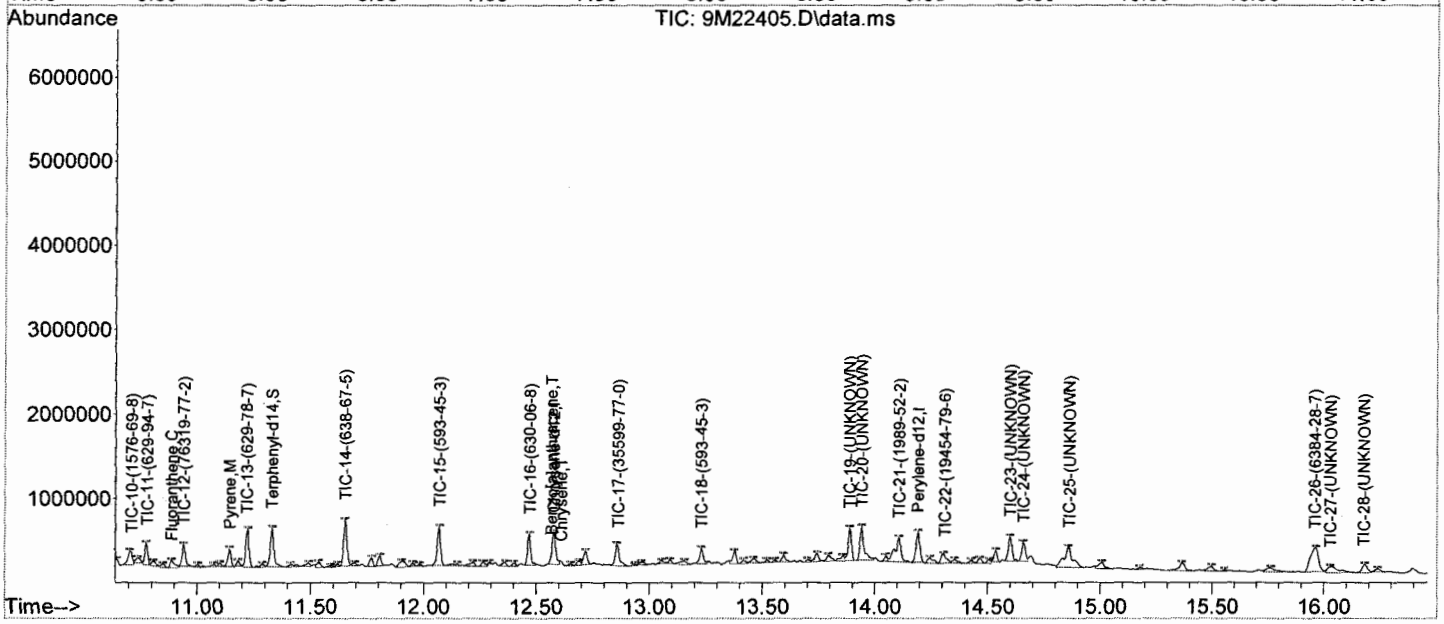
Quant QT/LSC Reviewed
SampleID : AC49029-001
Data File: 9M22405.D
Acq On : 12/27/09 15:52
Operator : AHD
Sam Mult : 1 Vial# : 15
Misc : S,BNA
Qt Meth : 9M_1217.M
Qt On : 12/28/09 06:53
Qt Upd On: 12/17/09 14:19
TIC-1-(123-42-2)
2-Fluorophenol,S
Phenol-d5,S
Time-->


Abundance
TIC: 9M22405.D\data.ms
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Fluorene,T
2,4,6-Tribromophenol,S
TIC-7-(629-78-7)
Anthracene,T
TIC-8-(832-64-4)
TIC-9-(UNKNOWN)
TIC-10-(1576-69-8)
TIC-11-(629-94-7)
TIC-12-(78319-77-2)
Pyrene,M
TIC-13-(629-78-7)
Time-->


Abundance
TIC: 9M22405.D\data.ms
TIC-10-(1576-69-8)
TIC-11-(629-94-7)
TIC-12-(78319-77-2)
Pyrene,M
TIC-13-(629-78-7)
Terphenyl-d14,S
TIC-14-(638-67-5)
TIC-15-(593-45-3)
TIC-16-(630-06-8)
TIC-17-(35599-77-0)
TIC-18-(593-45-3)
TIC-19-(UNKNOWN)
TIC-20-(UNKNOWN)
TIC-21-(1989-52-2)
Perylene-d12,I
TIC-22-(19454-79-6)
TIC-23-(UNKNOWN)
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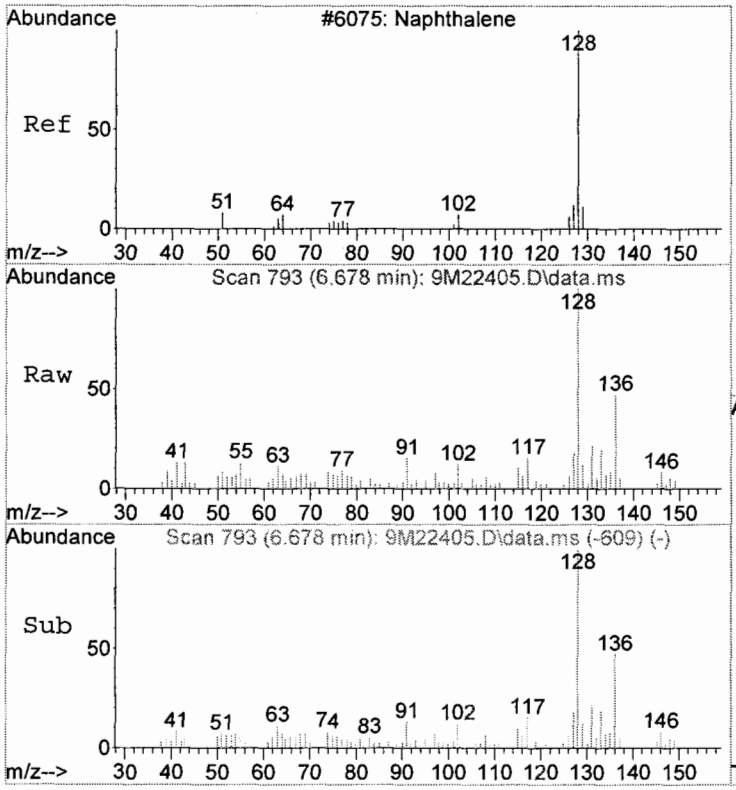
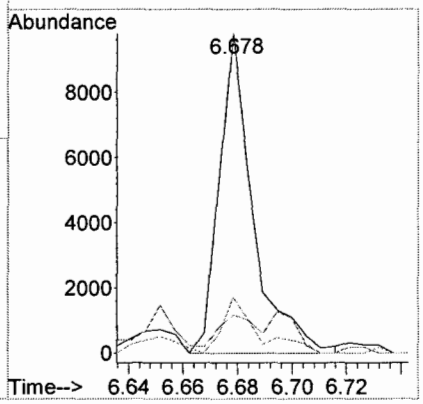
TIC-25-(UNKNOWN)
TIC-26-(6384-28-7)
TIC-27-(UNKNOWN)
TIC-28-(UNKNOWN)
Time-->

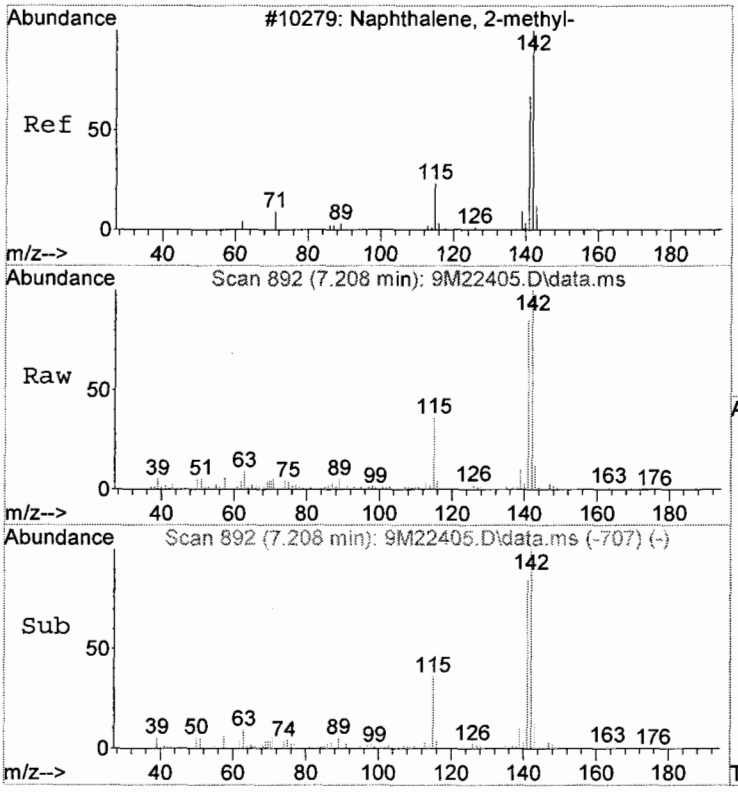


#33
Naphthalene
Concen: 2.28 ng
RT: 6.678 min Scan# 793
Delta R.T. -0.032 min
Lab File: 9M22405.D
Acq: 27 Dec 2009 15:52

Tgt Ion:128 Resp: 8465

Ion	Ratio	Lower	Upper
128	100		
129	11.9	0.0	50.9
127	16.0	0.0	52.4

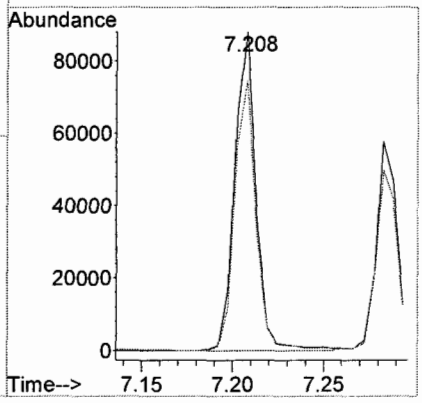


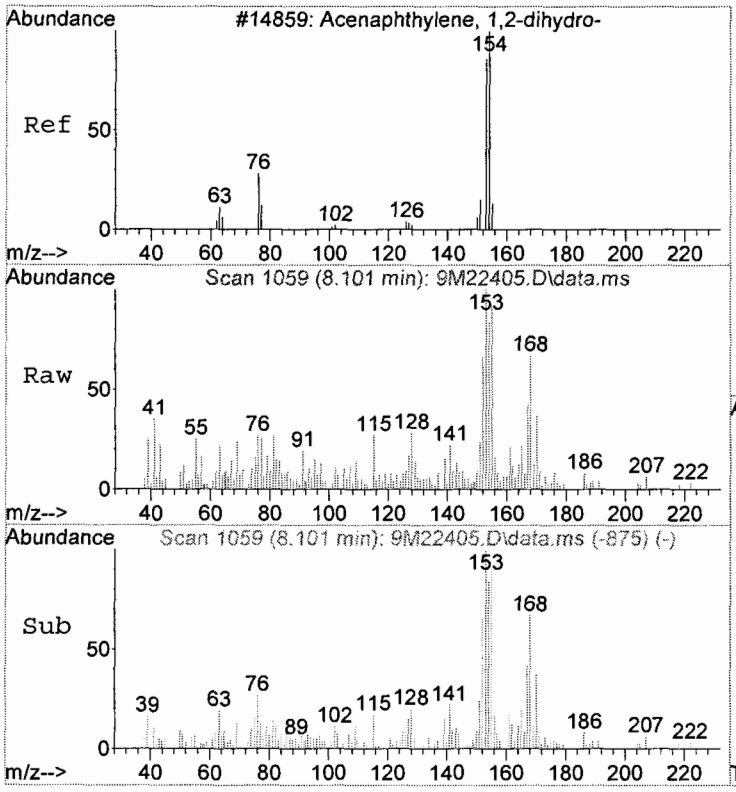


#38
2-Methylnaphthalene
Concen: 28.05 ng
RT: 7.208 min Scan# 892
Delta R.T. -0.027 min
Lab File: 9M22405.D
Acq: 27 Dec 2009 15:52

Tgt Ion:142 Resp: 71404

Ion	Ratio	Lower	Upper
142	100		
141	84.6	44.6	124.6

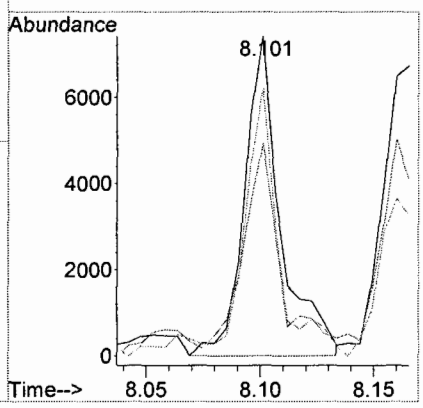


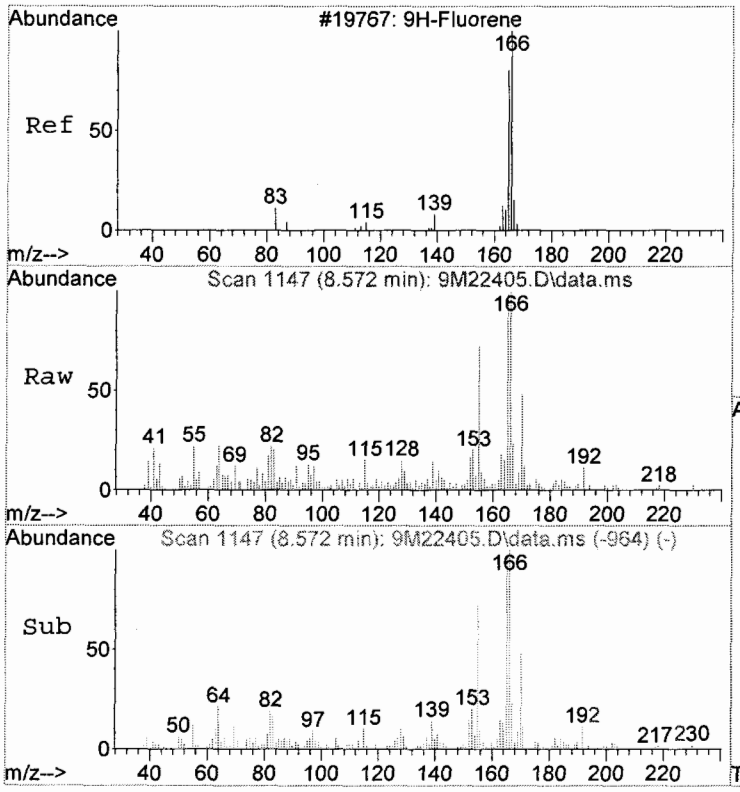


#55
Acenaphthene
Concen: 2.77 ng
RT: 8.101 min Scan# 1059
Delta R.T. -0.032 min
Lab File: 9M22405.D
Acq: 27 Dec 2009 15:52

Tgt Ion:153 Resp: 8186

Ion	Ratio	Lower	Upper
153	100		
152	62.0	10.0	90.0
154	80.5	57.5	137.5

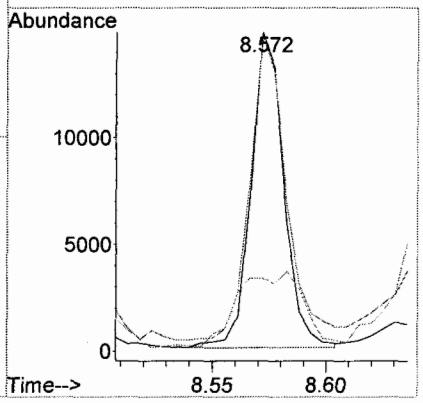


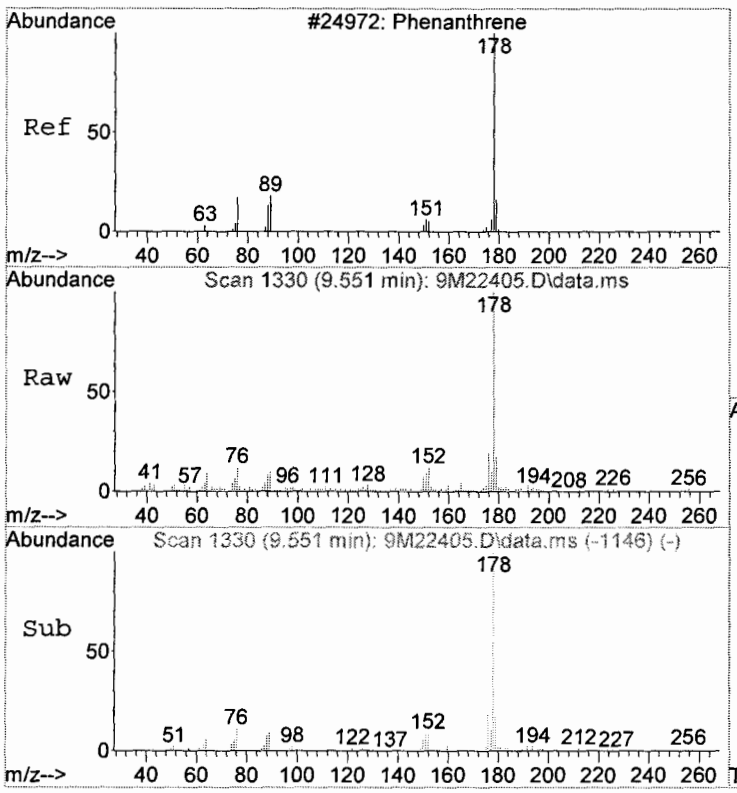


#62
Fluorene
Concen: 4.49 ng
RT: 8.572 min Scan# 1147
Delta R.T. -0.037 min
Lab File: 9M22405.D
Acq: 27 Dec 2009 15:52

Tgt Ion:166 Resp: 14690

Ion	Ratio	Lower	Upper
166	100		
165	95.9	0.0	292.6
167	21.3	0.0	213.2

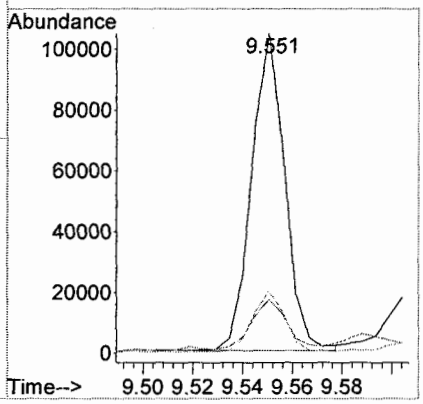


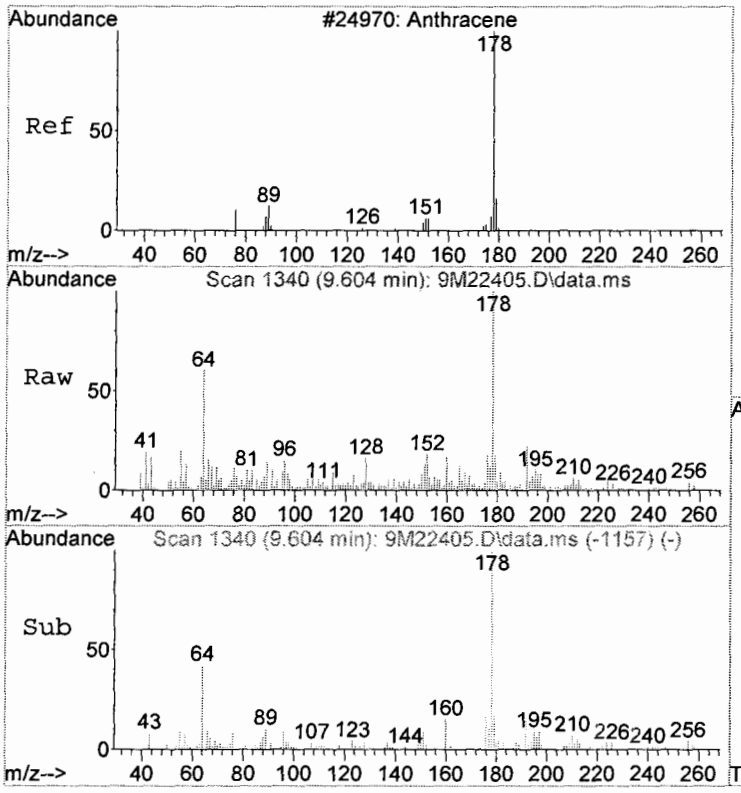


#76
Phenanthrene
Concen: 19.64 ng
RT: 9.551 min Scan# 1330
Delta R.T. -0.032 min
Lab File: 9M22405.D
Acq: 27 Dec 2009 15:52

Tgt Ion:178 Resp: 97082

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	55.5
176	19.4	0.0	59.3

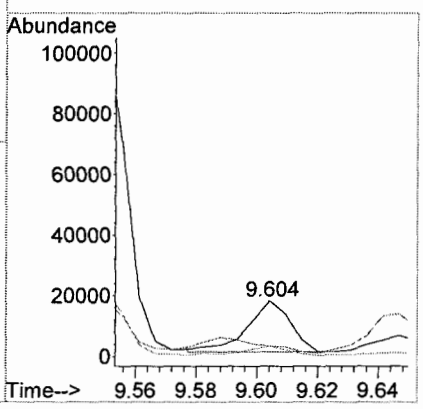


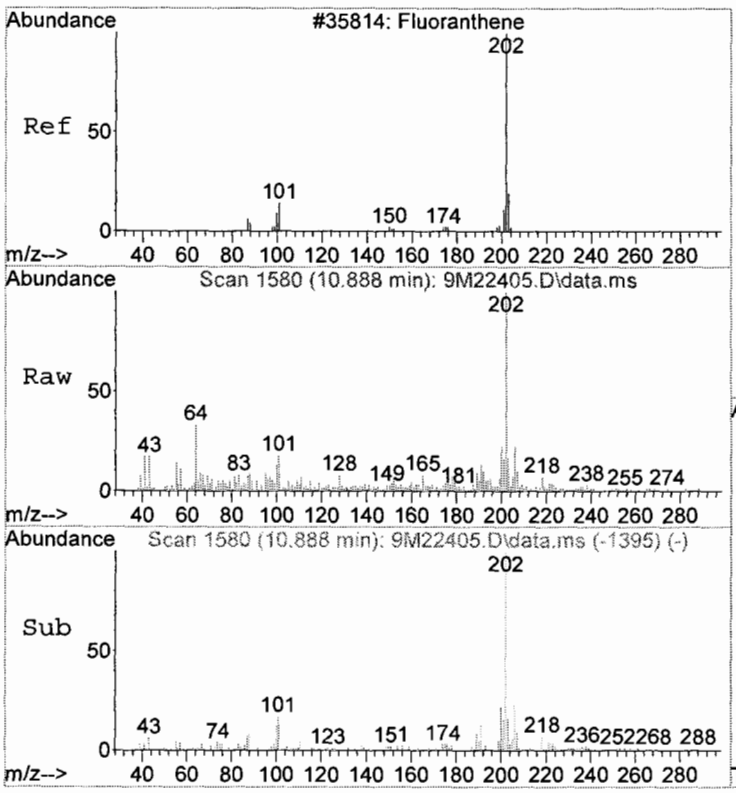


#77
Anthracene
Concen: 3.20 ng
RT: 9.604 min Scan# 1340
Delta R.T. -0.037 min
Lab File: 9M22405.D
Acq: 27 Dec 2009 15:52

Tgt Ion:178 Resp: 16476

Ion	Ratio	Lower	Upper
178	100		
179	6.4	0.0	55.2
176	17.2	0.0	58.1

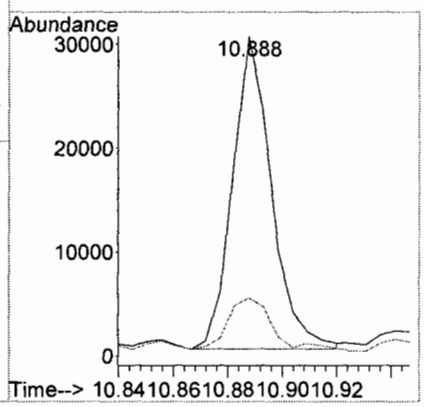


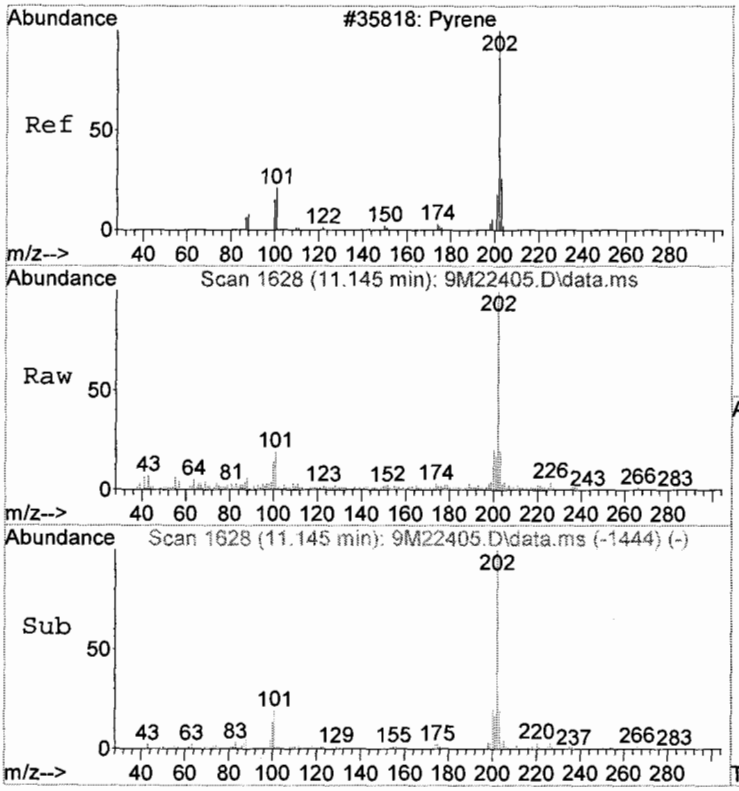


#80
Fluoranthene
Concen: 5.82 ng
RT: 10.888 min Scan# 1580
Delta R.T. -0.027 min
Lab File: 9M22405.D
Acq: 27 Dec 2009 15:52

Tgt Ion:202 Resp: 30005

Ion	Ratio	Lower	Upper
202	100		
101	16.3	0.0	57.6

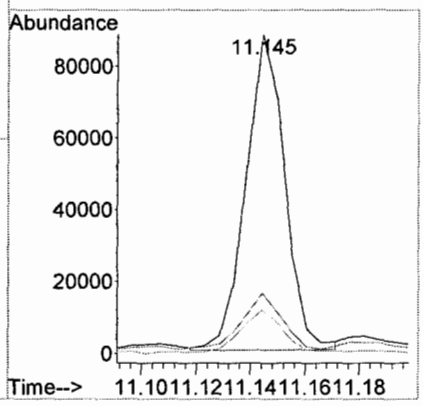


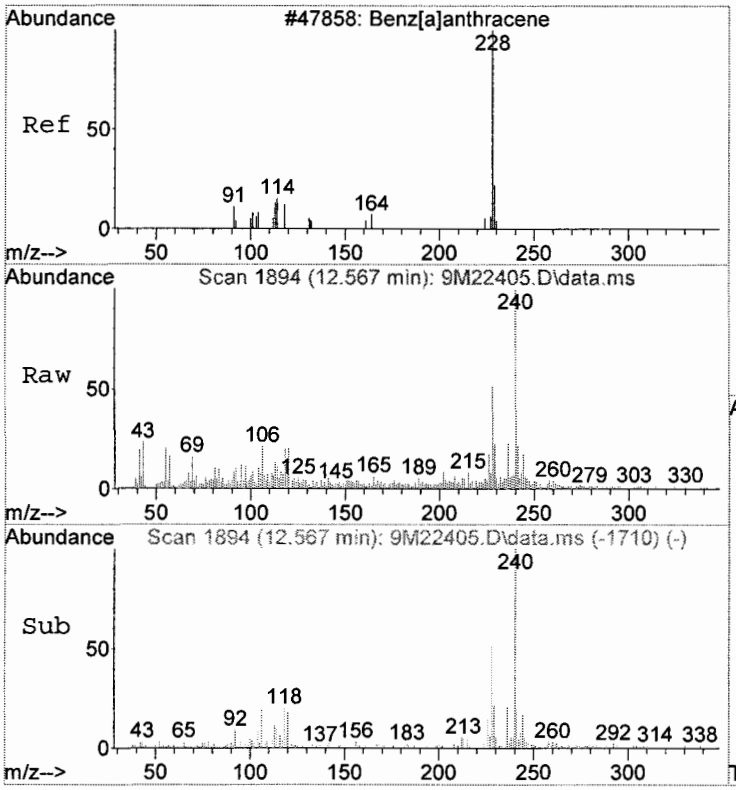


#82
Pyrene
Concen: 15.29 ng
RT: 11.145 min Scan# 1628
Delta R.T. -0.032 min
Lab File: 9M22405.D
Acq: 27 Dec 2009 15:52

Tgt Ion:202 Resp: 86897

Ion	Ratio	Lower	Upper
202	100		
101	17.3	0.0	62.2
100	13.4	0.0	57.8

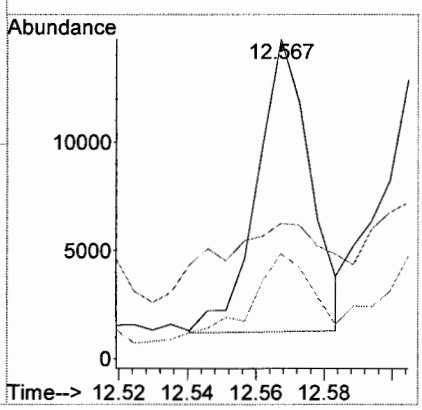


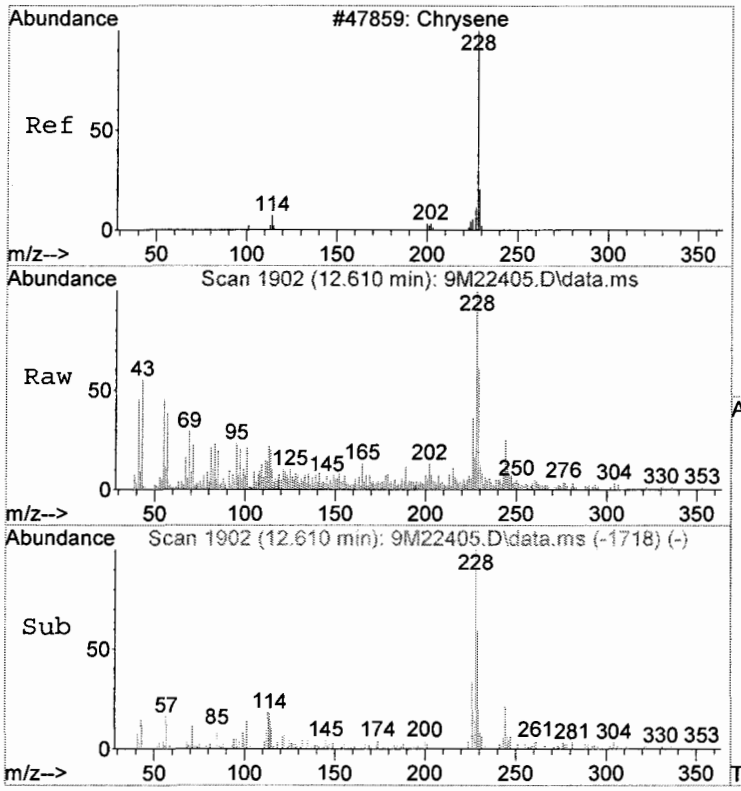


#93
Benzo[a]anthracene
Concen: 3.04 ng
RT: 12.567 min Scan# 1894
Delta R.T. -0.032 min
Lab File: 9M22405.D
Acq: 27 Dec 2009 15:52

Tgt Ion:228 Resp: 14729

Ion	Ratio	Lower	Upper
228	100		
229	14.5	0.0	59.5
226	27.2	0.0	66.0

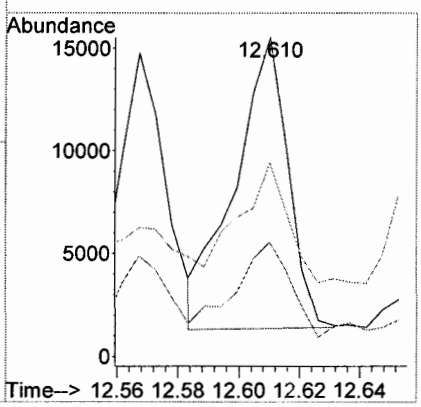




#94
Chrysene
Concen: 3.79 ng
RT: 12.610 min Scan# 1902
Delta R.T. -0.032 min
Lab File: 9M22405.D
Acq: 27 Dec 2009 15:52

Tgt Ion:228 Resp: 17258

Ion	Ratio	Lower	Upper
228	100		
226	29.3	9.5	49.5
229	40.2	0.0	60.2



LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22405.D
Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270

Signal : TIC: 9M22405.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.506	11	13	19	rVB4	3031	2438	0.01%	0.006%
2	2.549	19	21	23	rVB3	1857	1165	0.01%	0.003%
3	2.576	23	26	27	rBV3	1611	1497	0.01%	0.004%
4	2.603	27	31	37	rVB5	1970	2554	0.02%	0.006%
5	2.640	37	38	41	rVB2	1224	789	0.00%	0.002%
6	2.678	41	45	49	rBV4	1068	847	0.01%	0.002%
7	2.753	53	59	67	rBV2	4046	9886	0.06%	0.025%
8	2.843	73	76	79	rVB4	1188	1022	0.01%	0.003%
9	2.892	79	85	97	rVB5	1574	4233	0.03%	0.011%
10	2.993	101	104	107	rVB4	1236	1409	0.01%	0.004%
11	3.041	107	113	115	rBV5	1140	2091	0.01%	0.005%
12	3.063	115	117	121	rVB3	646	1125	0.01%	0.003%
13	3.132	121	130	131	rBV5	1465	2006	0.01%	0.005%
14	3.170	131	137	141	rVB5	1286	2807	0.02%	0.007%
15	3.202	141	143	147	rBV3	1007	1171	0.01%	0.003%
16	3.255	147	153	157	rVB3	1264	2382	0.01%	0.006%
17	3.282	157	158	163	rBV3	1368	1838	0.01%	0.005%
18	3.325	163	166	167	rVB3	900	583	0.00%	0.001%
19	3.357	167	172	175	rVB2	1157	1774	0.01%	0.004%
20	3.400	175	180	183	rBV2	762	1151	0.01%	0.003%
21	3.437	183	187	199	rBV2	13422	28642	0.18%	0.071%
22	3.512	199	201	205	rBV3	1627	1036	0.01%	0.003%
23	3.549	205	208	213	rBV2	4896	6928	0.04%	0.017%
24	3.598	213	217	227	rVB4	2269	3695	0.02%	0.009%
25	3.705	231	237	245	rVB3	891	2068	0.01%	0.005%
26	3.763	245	248	251	rBV2	794	1078	0.01%	0.003%
27	3.833	255	261	273	rBV3	8946	19317	0.12%	0.048%
28	3.919	273	277	283	rBV4	1665	2167	0.01%	0.005%
29	4.036	295	299	303	rBV3	819	605	0.00%	0.002%
30	4.170	303	324	329	rBV	4685456	16258574	100.00%	40.500%
31	4.261	339	341	355	rVB4	2468	5792	0.04%	0.014%
32	4.373	355	362	367	rVB3	2569	3888	0.02%	0.010%
33	4.427	367	372	373	rBV3	1566	1695	0.01%	0.004%
34	4.453	373	377	383	rBV	274816	249346	1.53%	0.621%
35	4.539	387	393	395	rVB4	697	690	0.00%	0.002%

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22405.D
Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270

36	4.571	395	399	401	rVB2	3068	2440	0.02%	0.006%
37	4.592	401	403	405	rVB2	831	636	0.00%	0.002%
38	4.630	405	410	415	rBV5	1129	1690	0.01%	0.004%
39	4.662	415	416	423	rVB3	1217	716	0.00%	0.002%
40	4.705	423	424	427	rBV	1308	799	0.00%	0.002%
41	4.748	427	432	439	rBV	40050	40067	0.25%	0.100%
42	4.812	439	444	447	rBV3	1378	921	0.01%	0.002%
43	4.855	447	452	459	rVB	43304	39322	0.24%	0.098%
44	4.924	459	465	467	rBV4	1089	1824	0.01%	0.005%
45	4.994	467	478	487	rBV4	6563	15984	0.10%	0.040%
46	5.063	487	491	503	rVB	28146	26722	0.16%	0.067%
47	5.197	503	516	521	rBV3	7018	9859	0.06%	0.025%
48	5.256	521	527	529	rBV	16552	14949	0.09%	0.037%
49	5.282	529	532	535	rVB	8484	6378	0.04%	0.016%
50	5.320	535	539	541	rBV	7295	6430	0.04%	0.016%
51	5.352	541	545	549	rBV	355100	297102	1.83%	0.740%
52	5.438	557	561	569	rVB6	2868	6595	0.04%	0.016%
53	5.507	569	574	579	rBV3	33612	44093	0.27%	0.110%
54	5.577	583	587	589	rBV	30055	25474	0.16%	0.063%
55	5.651	597	601	607	rBV	247865	197538	1.21%	0.492%
56	5.700	607	610	617	rVB4	7253	8066	0.05%	0.020%
57	5.775	617	624	627	rBV7	4028	6519	0.04%	0.016%
58	5.796	627	628	635	rVB	8399	7241	0.04%	0.018%
59	5.876	635	643	647	rBV7	4935	9640	0.06%	0.024%
60	5.914	647	650	659	rBV6	7596	10520	0.06%	0.026%
61	5.972	659	661	663	rBV2	6407	4514	0.03%	0.011%
62	6.031	669	672	677	rVB5	2738	3295	0.02%	0.008%
63	6.079	677	681	683	rBV	12442	14740	0.09%	0.037%
64	6.106	683	686	689	rVV	172693	143154	0.88%	0.357%
65	6.133	689	691	695	rVB	13542	9896	0.06%	0.025%
66	6.170	695	698	703	rVB3	11088	9374	0.06%	0.023%
67	6.224	703	708	713	rBV8	3120	5464	0.03%	0.014%
68	6.267	713	716	719	rBV3	8532	10370	0.06%	0.026%
69	6.299	719	722	729	rVB7	4350	2713	0.02%	0.007%
70	6.390	729	739	741	rBV10	9052	16511	0.10%	0.041%
71	6.411	741	743	747	rVB3	13569	13373	0.08%	0.033%
72	6.464	747	753	761	rBV7	35328	51868	0.32%	0.129%
73	6.523	761	764	769	rVB4	8808	8457	0.05%	0.021%
74	6.561	769	771	775	rBV2	9299	9704	0.06%	0.024%
75	6.625	775	783	785	rBV	63296	59268	0.36%	0.148%

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22405.D
Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270

76	6.662	785	790	795	rVV	419343	374750	2.30%	0.933%
77	6.700	795	797	799	rVV2	34075	29373	0.18%	0.073%
78	6.727	799	802	809	rVB4	18912	20507	0.13%	0.051%
79	6.775	809	811	815	rBV5	10946	15943	0.10%	0.040%
80	6.817	815	819	821	rVB3	6105	4389	0.03%	0.011%
81	6.882	821	831	835	rBV7	32332	57769	0.36%	0.144%
82	6.951	841	844	845	rBV2	21402	18211	0.11%	0.045%
83	6.973	845	848	851	rVB2	19171	10855	0.07%	0.027%
84	7.015	851	856	859	rVB4	34265	33907	0.21%	0.084%
85	7.042	859	861	865	rBV5	16734	20037	0.12%	0.050%
86	7.074	865	867	871	rVB3	12863	14154	0.09%	0.035%
87	7.106	871	873	875	rBV2	39349	30825	0.19%	0.077%
88	7.144	875	880	883	rBV3	12546	12314	0.08%	0.031%
89	7.170	883	885	887	rBV3	9314	8017	0.05%	0.020%
90	7.208	887	892	895	rVB	300244	242291	1.49%	0.604%
91	7.245	895	899	901	rBV5	5173	5853	0.04%	0.015%
92	7.283	901	906	909	rBV	207168	176656	1.09%	0.440%
93	7.310	909	911	917	rVB4	17296	14251	0.09%	0.035%
94	7.352	917	919	923	rVB5	13220	10946	0.07%	0.027%
95	7.384	923	925	929	rBV4	19995	15758	0.10%	0.039%
96	7.438	929	935	941	rBV7	25074	42108	0.26%	0.105%
97	7.491	941	945	949	rVB	394667	306613	1.89%	0.764%
98	7.550	949	956	961	rBV7	34932	59175	0.36%	0.147%
99	7.609	963	967	971	rBV3	13767	8306	0.05%	0.021%
100	7.657	971	976	981	rBV	123900	141392	0.87%	0.352%
101	7.711	981	986	991	rVB2	186976	217568	1.34%	0.542%
102	7.743	991	992	993	rBV	6324	2581	0.02%	0.006%
103	7.775	993	998	1001	rBV	232738	261895	1.61%	0.652%
104	7.877	1013	1017	1025	rBV	98985	147766	0.91%	0.368%
105	7.946	1025	1030	1035	rVV2	85639	87856	0.54%	0.219%
106	7.994	1035	1039	1043	rVB	227683	185027	1.14%	0.461%
107	8.069	1049	1053	1067	rVB	469106	548913	3.38%	1.367%
108	8.160	1067	1070	1075	rBV	131921	179744	1.11%	0.448%
109	8.197	1075	1077	1081	rVV3	38392	35836	0.22%	0.089%
110	8.246	1081	1086	1091	rVV2	134421	144196	0.89%	0.359%
111	8.283	1091	1093	1097	rVB	112148	99138	0.61%	0.247%
112	8.320	1097	1100	1103	rVB5	34349	31752	0.20%	0.079%
113	8.353	1103	1106	1109	rBV	97803	98962	0.61%	0.247%
114	8.379	1109	1111	1117	rVB	81537	68345	0.42%	0.170%

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22405.D
Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270

115	8.454	1117	1125	1129	rVB3	107613	204439	1.26%	0.509%
116	8.513	1129	1136	1141	rBV9	26676	54626	0.34%	0.136%
117	8.566	1141	1146	1155	rBV6	103919	223116	1.37%	0.556%
118	8.657	1155	1163	1165	rVB5	52065	75445	0.46%	0.188%
119	8.716	1171	1174	1181	rVB7	50491	87661	0.54%	0.218%
120	8.807	1181	1191	1195	rBV2	359812	408205	2.51%	1.017%
121	8.839	1195	1197	1207	rVV6	49470	91626	0.56%	0.228%
122	8.920	1207	1212	1221	rVB3	240504	322754	1.99%	0.804%
123	9.005	1225	1228	1231	rBV4	49198	50588	0.31%	0.126%
124	9.048	1231	1236	1239	rVV6	41726	45995	0.28%	0.115%
125	9.112	1241	1248	1251	rVV5	67537	124603	0.77%	0.310%
126	9.144	1251	1254	1259	rVV3	96572	172042	1.06%	0.429%
127	9.182	1259	1261	1267	rVV5	81161	137788	0.85%	0.343%
128	9.273	1267	1278	1285	rVV5	63796	175512	1.08%	0.437%
129	9.321	1285	1287	1291	rVV3	34602	40403	0.25%	0.101%
130	9.369	1291	1296	1303	rVV8	62870	144304	0.89%	0.359%
131	9.422	1303	1306	1313	rVB5	51097	76048	0.47%	0.189%
132	9.524	1319	1325	1327	rBV2	478998	474719	2.92%	1.183%
133	9.551	1327	1330	1333	rVV	275490	270379	1.66%	0.674%
134	9.588	1333	1337	1343	rVB4	57044	117270	0.72%	0.292%
135	9.647	1343	1348	1351	rBV2	58256	101240	0.62%	0.252%
136	9.706	1355	1359	1363	rVB5	54207	86817	0.53%	0.216%
137	9.743	1363	1366	1367	rBV3	21242	20317	0.12%	0.051%
138	9.775	1369	1372	1375	rBV5	27811	33573	0.21%	0.084%
139	9.882	1383	1392	1395	rBV3	75224	121558	0.75%	0.303%
140	9.914	1395	1398	1405	rVB9	25768	46920	0.29%	0.117%
141	9.979	1405	1410	1415	rBV4	57469	102486	0.63%	0.255%
142	10.075	1423	1428	1431	rBV	166425	202042	1.24%	0.503%
143	10.107	1431	1434	1441	rVB	172190	169728	1.04%	0.423%
144	10.155	1441	1443	1447	rBV3	57779	63212	0.39%	0.157%
145	10.198	1447	1451	1453	rBV	113668	139707	0.86%	0.348%
146	10.299	1465	1470	1471	rBV5	48009	47206	0.29%	0.118%
147	10.326	1471	1475	1483	rVB2	134314	164670	1.01%	0.410%
148	10.401	1483	1489	1493	rBV5	62631	114155	0.70%	0.284%
149	10.476	1499	1503	1509	rVB2	145272	144696	0.89%	0.360%
150	10.524	1509	1512	1515	rVB4	39667	43201	0.27%	0.108%
151	10.556	1515	1518	1519	rBV3	41289	36823	0.23%	0.092%
152	10.588	1519	1524	1527	rVV	675991	694610	4.27%	1.730%
153	10.615	1527	1529	1533	rVV2	63777	64646	0.40%	0.161%

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22405.D
Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270

154	10.647	1533	1535	1539	rVB2	73464	67395	0.41%	0.168%
155	10.706	1539	1546	1549	rBV	167393	229313	1.41%	0.571%
156	10.738	1549	1552	1557	rVV4	57533	87614	0.54%	0.218%
157	10.775	1557	1559	1563	rVB2	252637	221424	1.36%	0.552%
158	10.808	1563	1565	1571	rVB5	56622	72077	0.44%	0.180%
159	10.850	1571	1573	1577	rVB4	39703	45409	0.28%	0.113%
160	10.888	1577	1580	1587	rBV2	87745	130666	0.80%	0.325%
161	10.941	1587	1590	1595	rBV	258089	255889	1.57%	0.637%
162	11.005	1599	1602	1611	rVB4	33063	34659	0.21%	0.086%
163	11.075	1611	1615	1617	rBV4	27587	31303	0.19%	0.078%
164	11.102	1617	1620	1623	rVB4	43424	39808	0.24%	0.099%
165	11.145	1623	1628	1631	rBV	215813	211027	1.30%	0.526%
166	11.182	1631	1635	1639	rBV2	60417	52926	0.33%	0.132%
167	11.225	1639	1643	1649	rVB2	454012	451935	2.78%	1.126%
168	11.289	1649	1655	1657	rBV5	36199	52999	0.33%	0.132%
169	11.332	1657	1663	1675	rVB	459669	516100	3.17%	1.286%
170	11.412	1675	1678	1685	rBV7	32004	60647	0.37%	0.151%
171	11.492	1685	1693	1695	rBV9	44683	58845	0.36%	0.147%
172	11.535	1699	1701	1707	rVB4	63898	67735	0.42%	0.169%
173	11.588	1707	1711	1715	rBV4	20347	37459	0.23%	0.093%
174	11.621	1715	1717	1719	rBV2	27911	23155	0.14%	0.058%
175	11.653	1719	1723	1727	rBV2	546552	559272	3.44%	1.393%
176	11.695	1727	1731	1735	rVB7	29150	36313	0.22%	0.090%
177	11.770	1741	1745	1749	rBV	108049	106197	0.65%	0.265%
178	11.808	1749	1752	1755	rVB	116062	111842	0.69%	0.279%
179	11.904	1765	1770	1777	rBV6	71600	143449	0.88%	0.357%
180	11.952	1777	1779	1781	rVV3	36912	29203	0.18%	0.073%
181	11.984	1781	1785	1789	rVB6	25222	21007	0.13%	0.052%
182	12.070	1795	1801	1805	rVB	459550	473378	2.91%	1.179%
183	12.150	1807	1816	1821	rVB6	26132	56613	0.35%	0.141%
184	12.220	1821	1829	1833	rVB8	50435	85217	0.52%	0.212%
185	12.262	1833	1837	1841	rBV3	51110	72832	0.45%	0.181%
186	12.294	1841	1843	1845	rVB2	24403	17710	0.11%	0.044%
187	12.364	1851	1856	1859	rVB7	46090	57296	0.35%	0.143%
188	12.401	1859	1863	1867	rBV5	40949	45386	0.28%	0.113%
189	12.471	1871	1876	1881	rBV	372135	365849	2.25%	0.911%
190	12.578	1891	1896	1901	rBV	379144	447429	2.75%	1.115%
191	12.653	1907	1910	1913	rVB4	26240	27008	0.17%	0.067%
192	12.690	1913	1917	1919	rBV4	51666	66972	0.41%	0.167%

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22405.D
Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270

193	12.717	1919	1922	1927	rVB3	154616	176329	1.08%	0.439%
194	12.856	1943	1948	1957	rVB	258522	322941	1.99%	0.804%
195	12.936	1959	1963	1965	rBV5	18591	23886	0.15%	0.059%
196	12.963	1965	1968	1973	rVV6	31617	48837	0.30%	0.122%
197	13.054	1981	1985	1987	rBV4	37125	41518	0.26%	0.103%
198	13.091	1987	1992	1995	rVB6	42174	47942	0.29%	0.119%
199	13.156	1999	2004	2009	rVB9	48282	84965	0.52%	0.212%
200	13.231	2013	2018	2023	rBV	185457	208759	1.28%	0.520%
201	13.375	2041	2045	2049	rVB3	145990	162815	1.00%	0.406%
202	13.418	2049	2053	2057	rBV5	45167	51626	0.32%	0.129%
203	13.460	2057	2061	2067	rVB6	50213	73786	0.45%	0.184%
204	13.519	2069	2072	2075	rVB2	33716	30485	0.19%	0.076%
205	13.557	2075	2079	2083	rBV5	26999	29371	0.18%	0.073%
206	13.594	2083	2086	2091	rVV	86322	90156	0.55%	0.225%
207	13.701	2103	2106	2109	rBV5	32637	36150	0.22%	0.090%
208	13.744	2109	2114	2117	rVV2	100834	124578	0.77%	0.310%
209	13.792	2119	2123	2129	rVB6	70413	103869	0.64%	0.259%
210	13.856	2129	2135	2137	rBV5	60329	94858	0.58%	0.236%
211	13.888	2137	2141	2145	rVB2	388164	390501	2.40%	0.973%
212	13.942	2145	2151	2161	rBV2	402161	526655	3.24%	1.312%
213	14.049	2167	2171	2173	rBV3	64801	55804	0.34%	0.139%
214	14.108	2173	2182	2193	rVB7	290708	545225	3.35%	1.358%
215	14.193	2193	2198	2203	rVB2	364210	423573	2.61%	1.055%
216	14.247	2203	2208	2215	rVB8	64281	107120	0.66%	0.267%
217	14.306	2215	2219	2225	rBV3	110404	176950	1.09%	0.441%
218	14.354	2225	2228	2237	rVB5	44398	72326	0.44%	0.180%
219	14.429	2237	2242	2245	rBV7	37845	46029	0.28%	0.115%
220	14.466	2245	2249	2253	rVB4	55486	67617	0.42%	0.168%
221	14.509	2253	2257	2259	rBV5	41686	54137	0.33%	0.135%
222	14.536	2259	2262	2265	rVB	139298	134418	0.83%	0.335%
223	14.600	2269	2274	2281	rBV2	294202	351919	2.16%	0.877%
224	14.659	2281	2285	2289	rBV	224874	259364	1.60%	0.646%
225	14.856	2313	2322	2339	rVB3	245915	648539	3.99%	1.616%
226	15.006	2345	2350	2363	rVB5	76501	133155	0.82%	0.332%
227	15.177	2379	2382	2387	rBV7	23538	27723	0.17%	0.069%
228	15.365	2409	2417	2427	rVB2	88561	162105	1.00%	0.404%
229	15.498	2435	2442	2449	rVB2	60502	110681	0.68%	0.276%
230	15.557	2449	2453	2457	rBV7	19468	23295	0.14%	0.058%
231	15.766	2485	2492	2507	rVB7	49179	139462	0.86%	0.347%

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22405.D
Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270

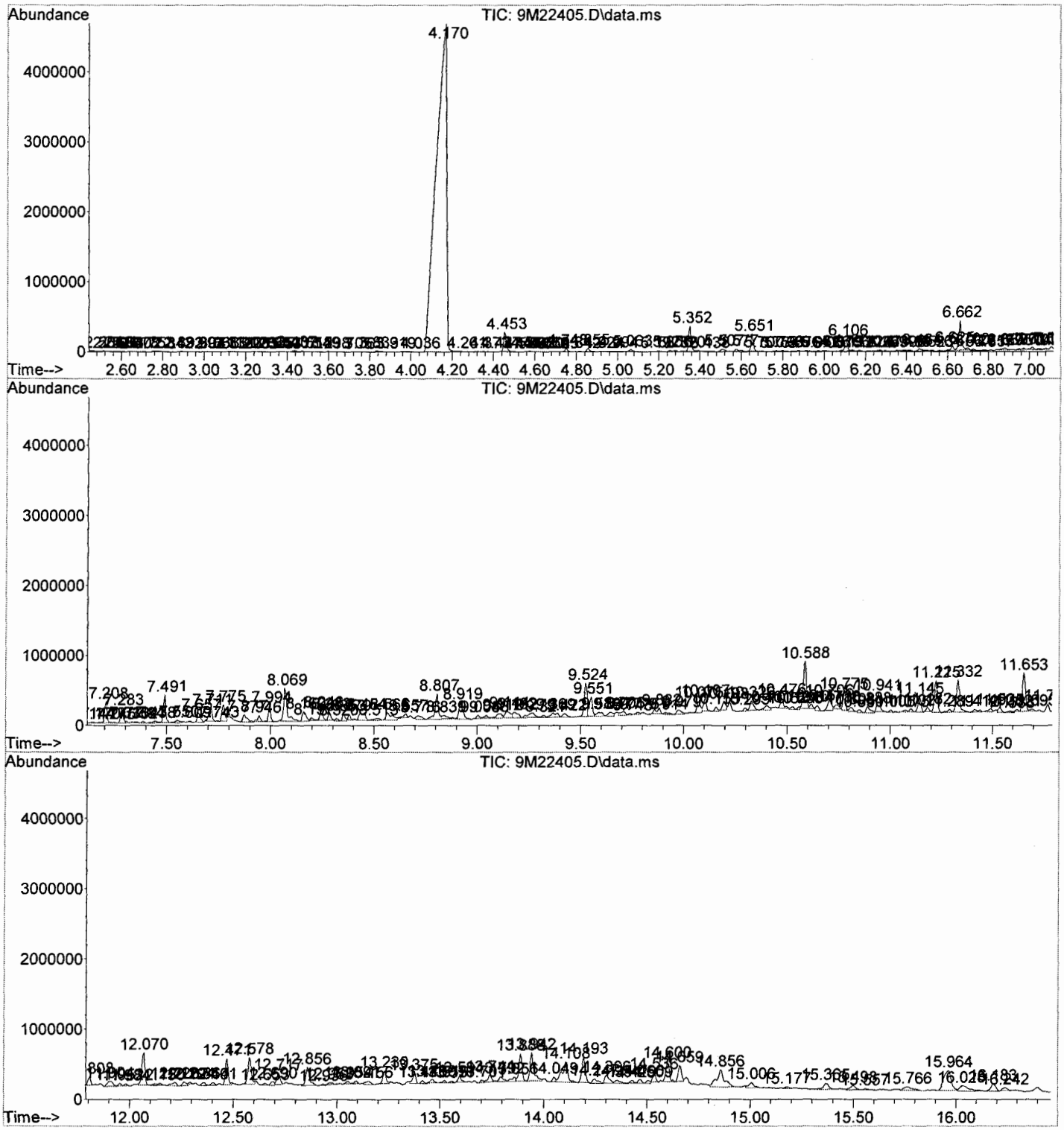
232	15.964	2519	2529	2537	rBV4	285112	724129	4.45%	1.804%
233	16.028	2537	2541	2563	rVB4	74448	250875	1.54%	0.625%
234	16.183	2563	2570	2575	rBV4	100721	174116	1.07%	0.434%
235	16.242	2575	2581	2587	rBV4	39166	63092	0.39%	0.157%

Sum of corrected areas: 40144663

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22405.D
Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22405.D
Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

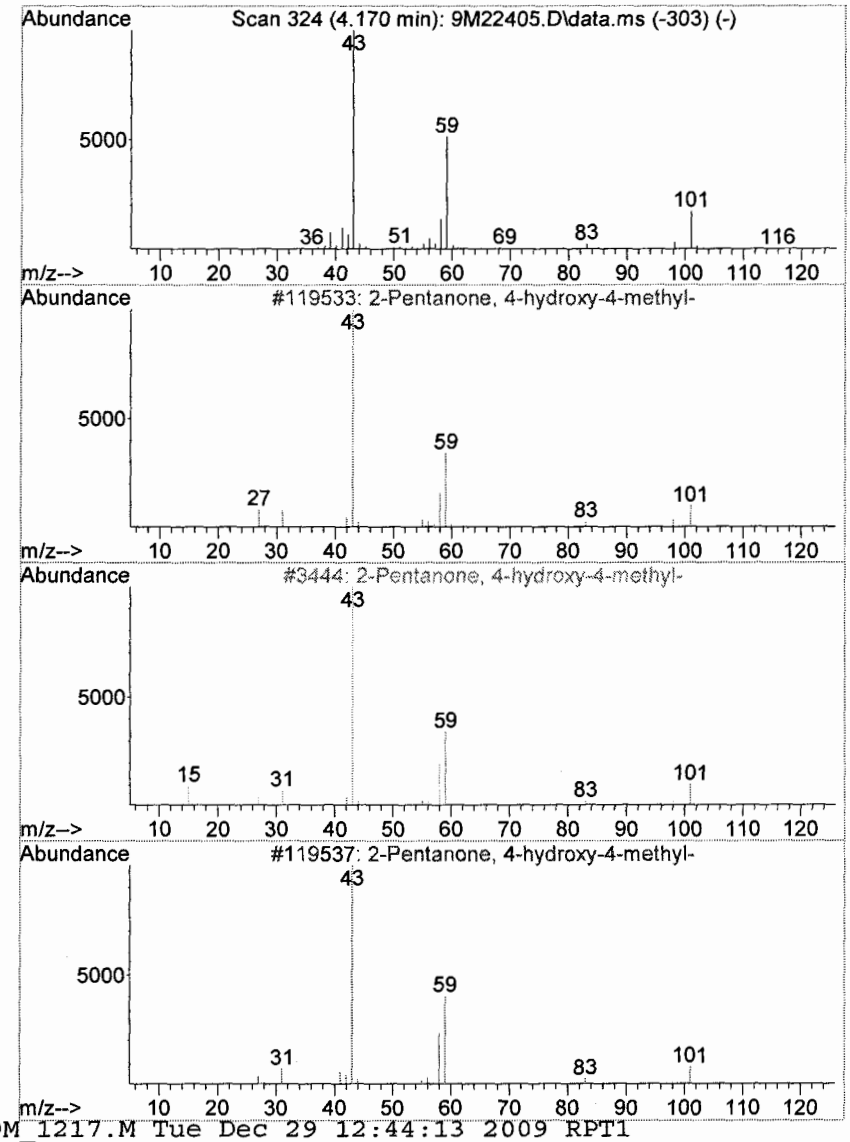
Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

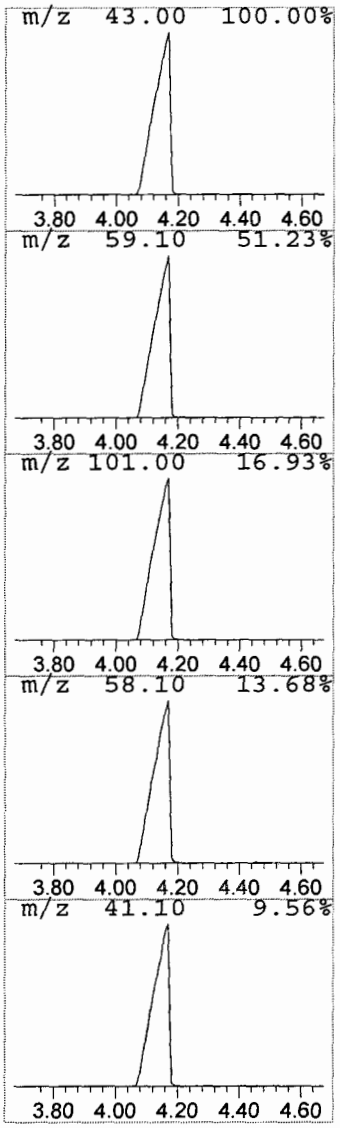
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	3364.67 ng	16258600	1,4-Dichlorobenzene-d4	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50





Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22405.D
Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

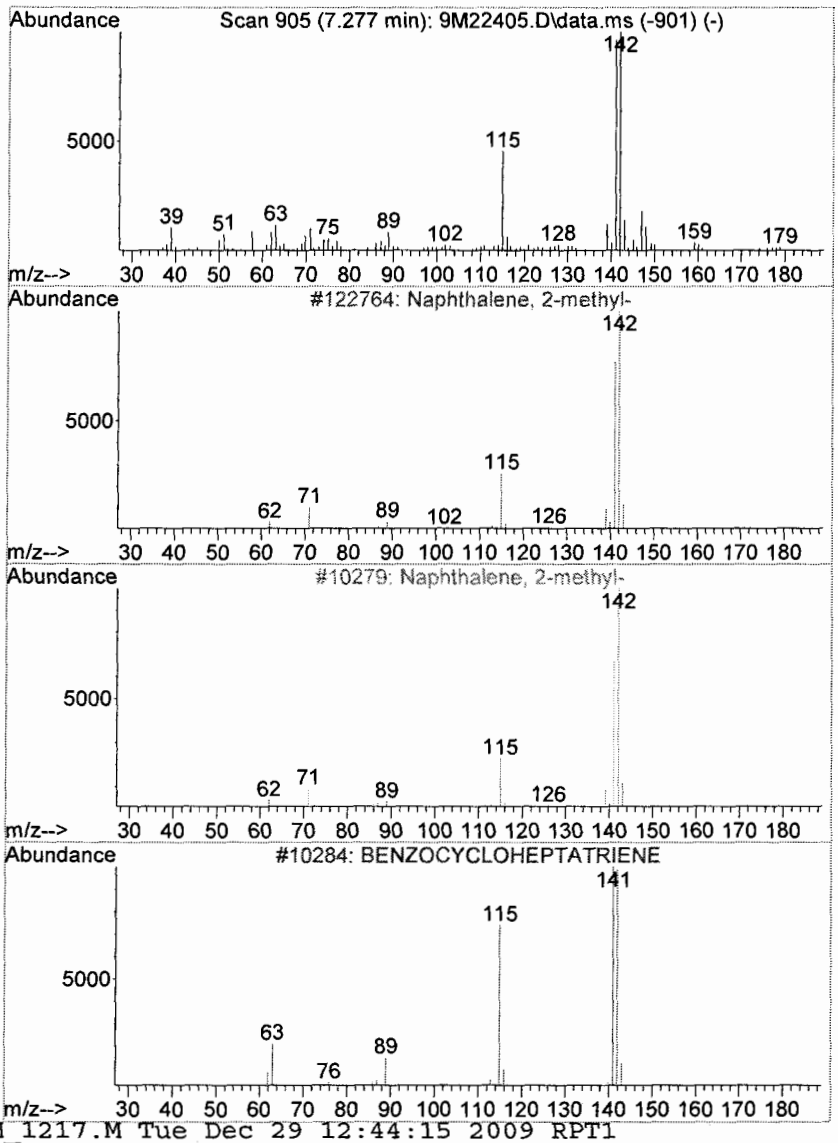
Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

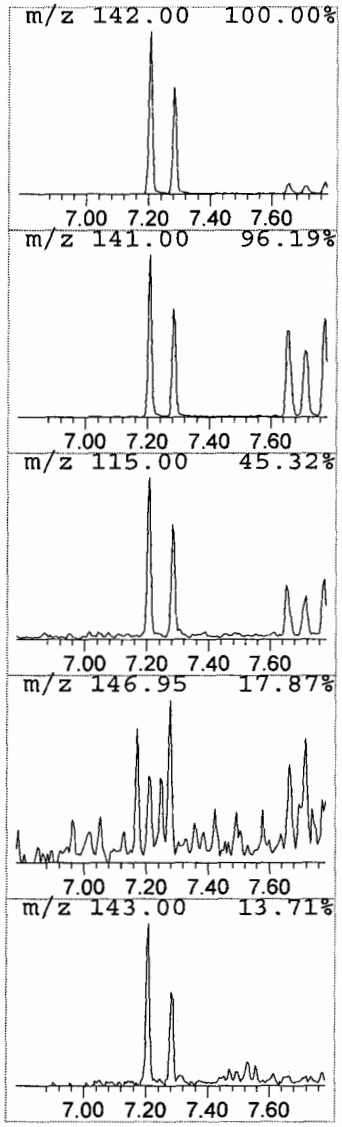
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 BENZOCYCLOHEPTATRIENE Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.28	18.86 ng	176656	Naphthalene-d8	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	BENZOCYCLOHEPTATRIENE	142	C11H10	000264-09-5	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22405.D
Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

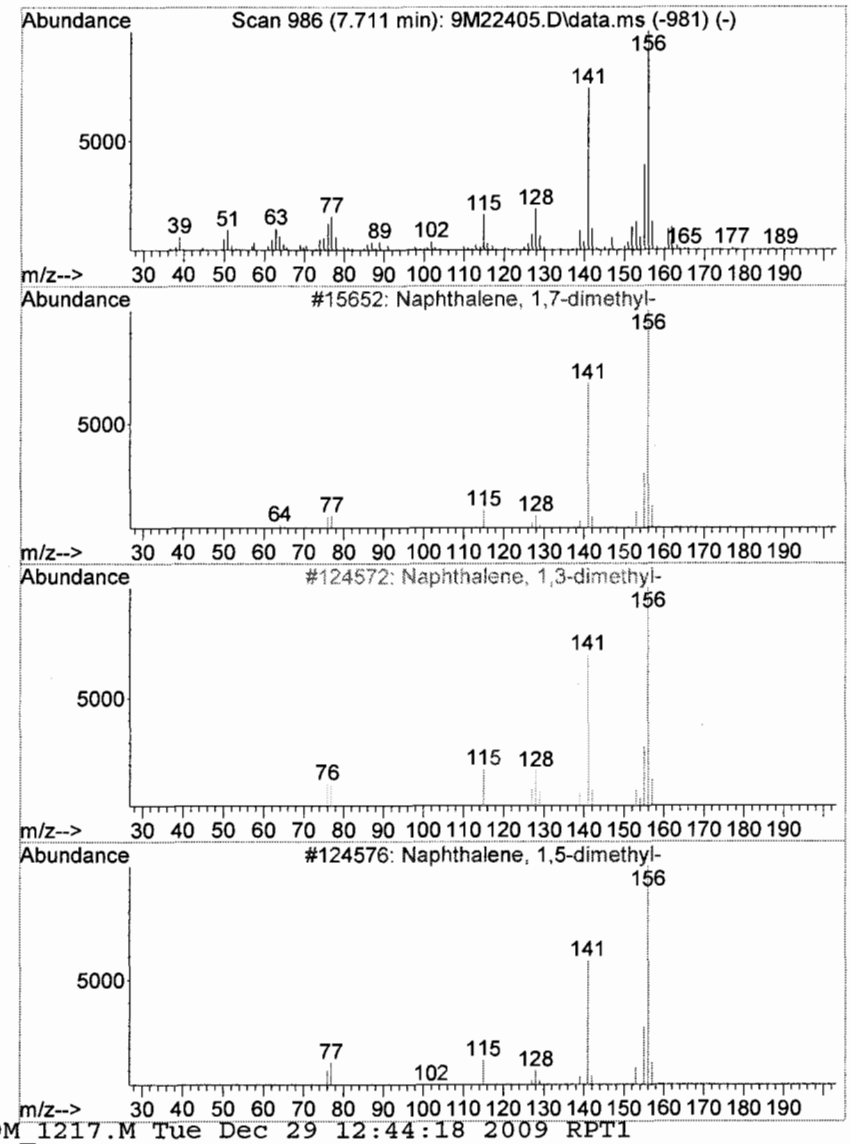
Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

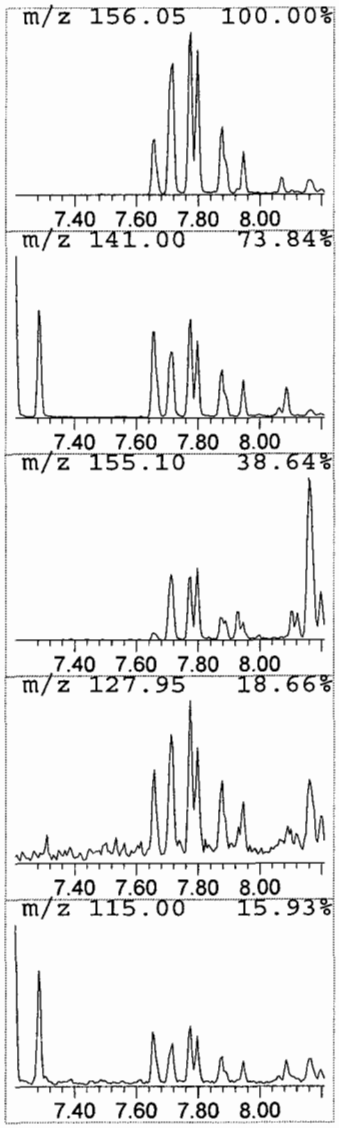
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 1,7-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	18.33 ng	217568	Acenaphthene-d10	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22405.D
Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

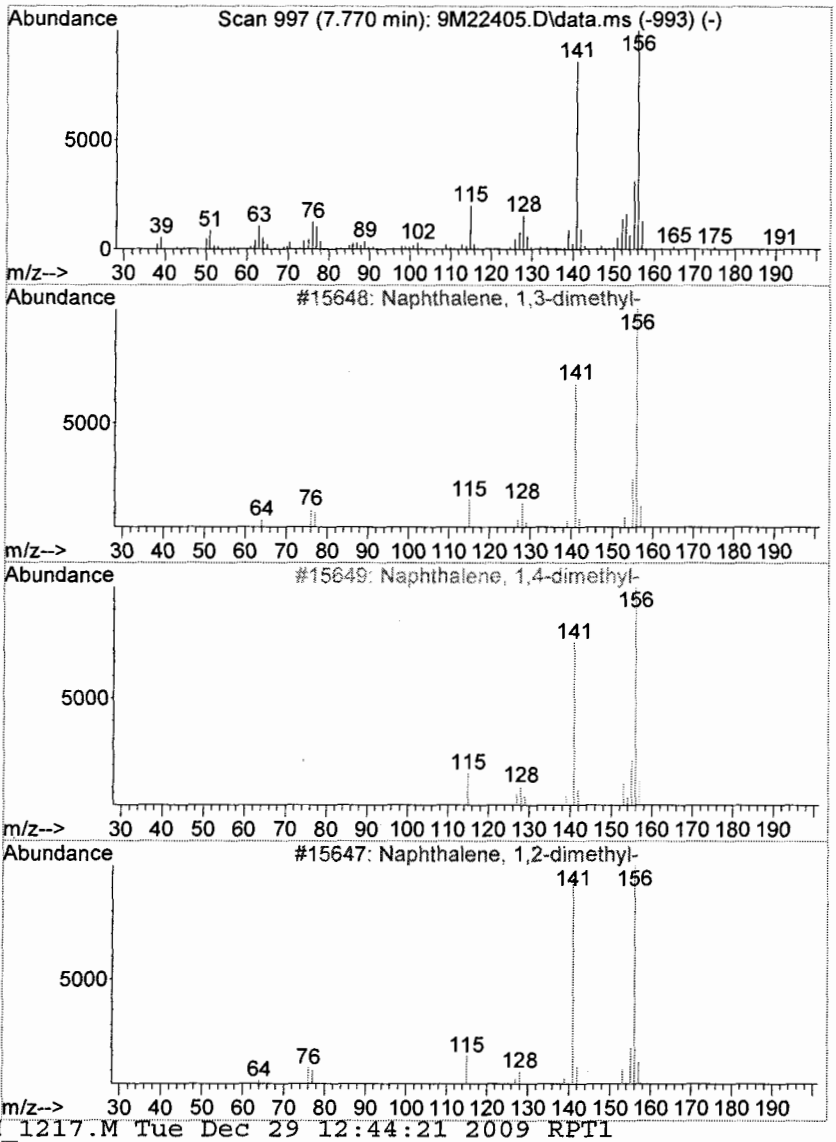
Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

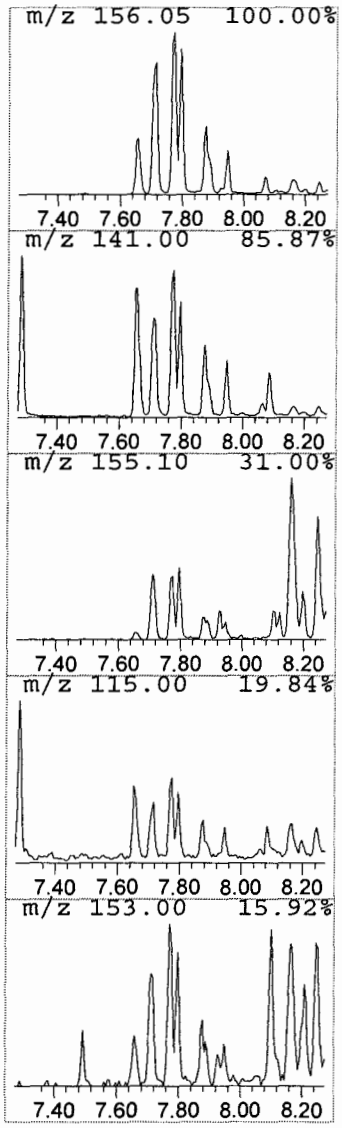
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	22.07 ng	261895	Acenaphthene-d10	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22405.D
Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

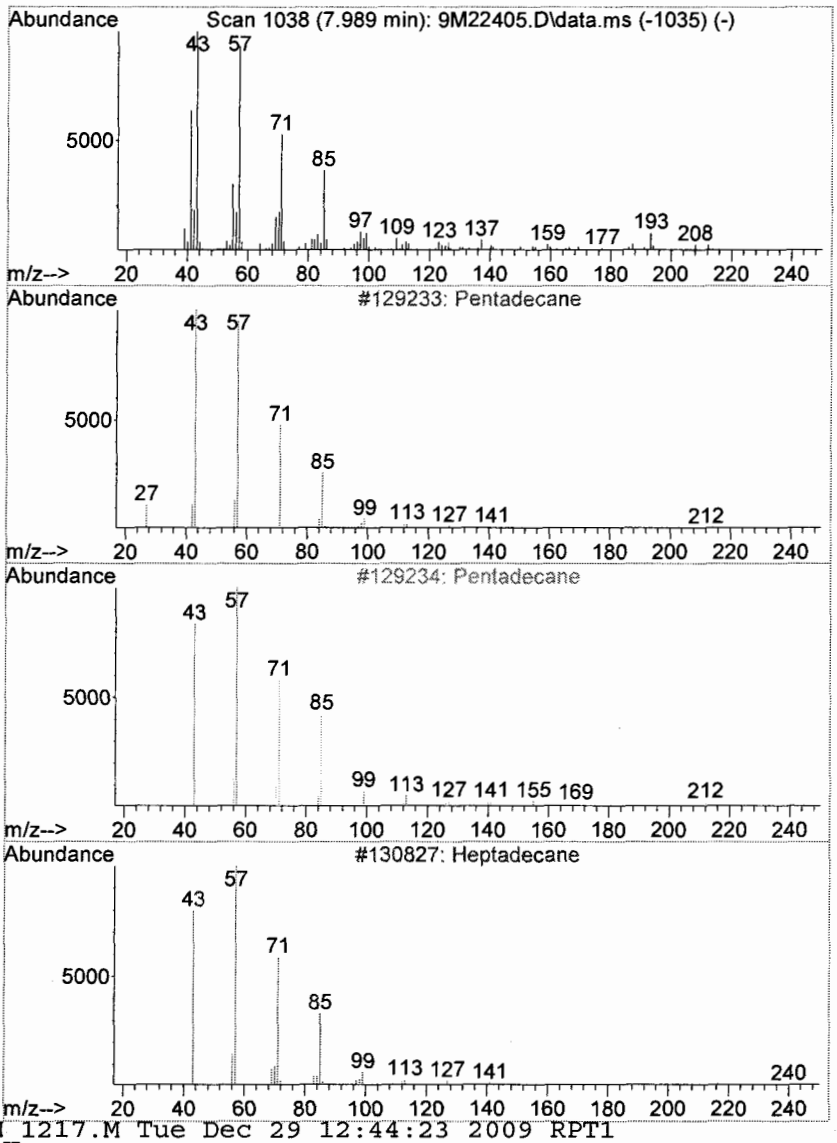
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

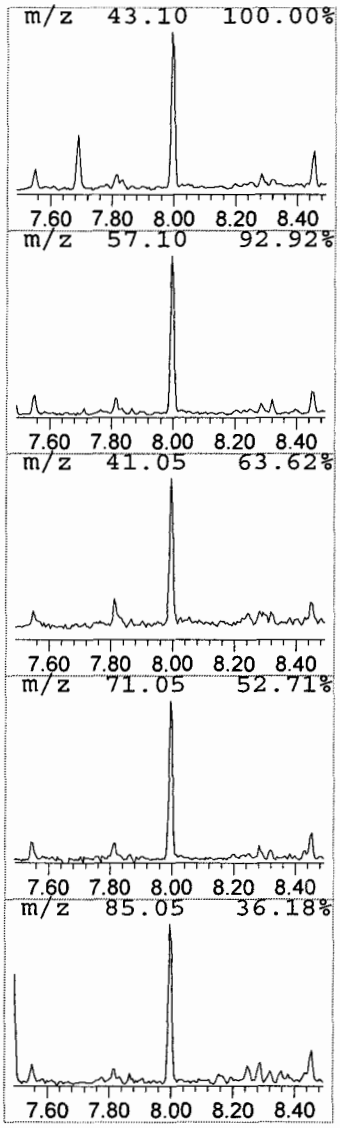
****

Peak Number 5 Pentadecane Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	15.59 ng	185027	Acenaphthene-d10	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	94
2	Pentadecane	212	C15H32	000629-62-9	93
3	Heptadecane	240	C17H36	000629-78-7	91
4	Tetradecane	198	C14H30	000629-59-4	91
5	Hexadecane	226	C16H34	000544-76-3	91





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Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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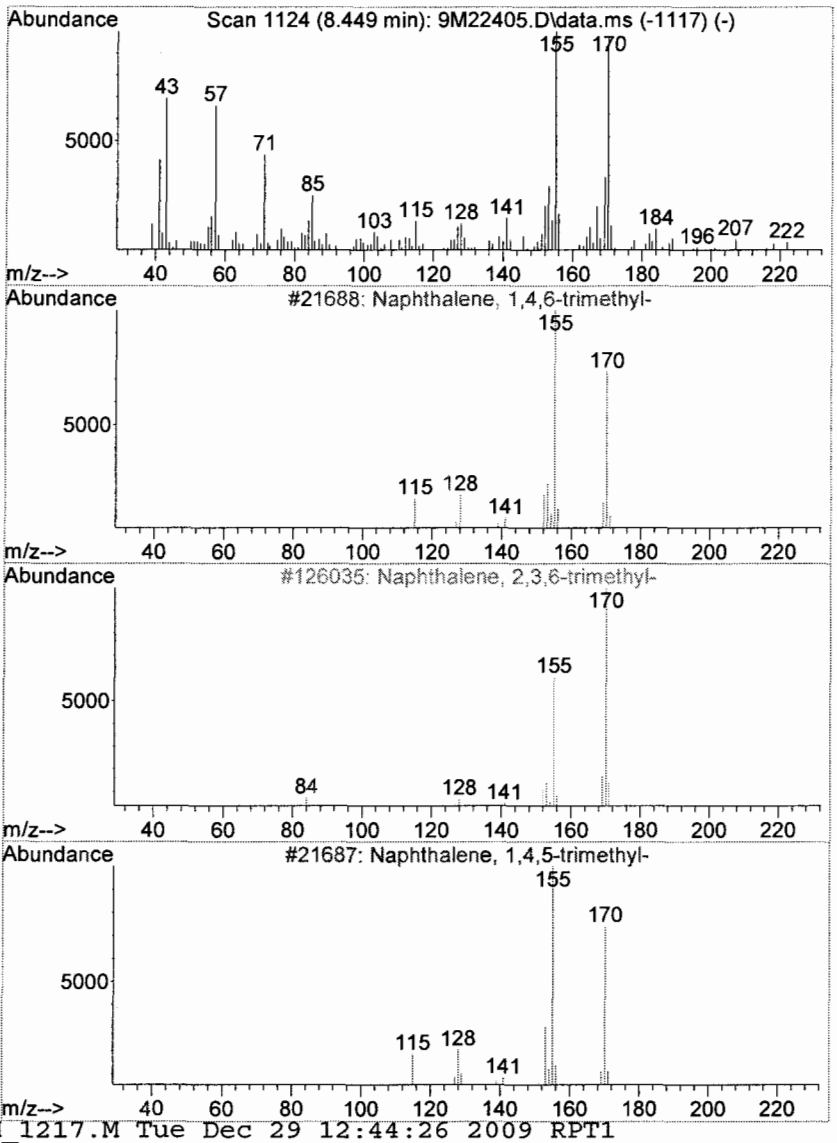
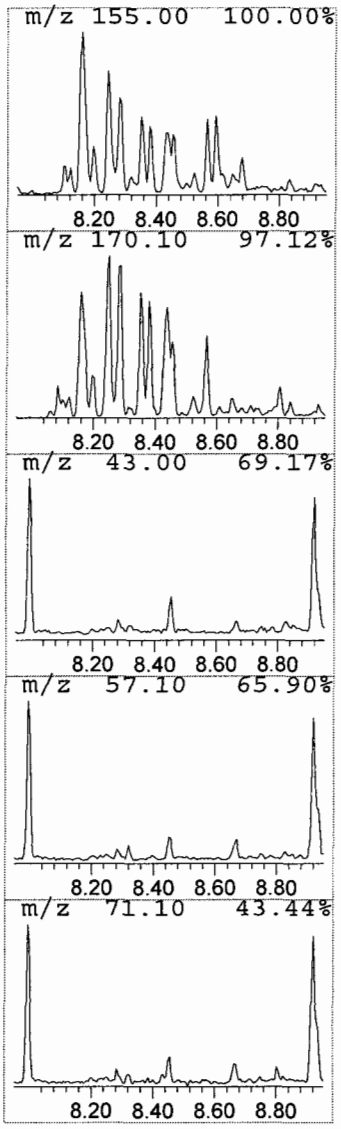
Peak Number 6 Naphthalene, 1,4,6-trimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	17.23 ng	204439	Acenaphthene-d10	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
4	AZULENE, 2,4,6-TRIMETHYL-	170	C13H14	000000-00-0	89
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	89





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Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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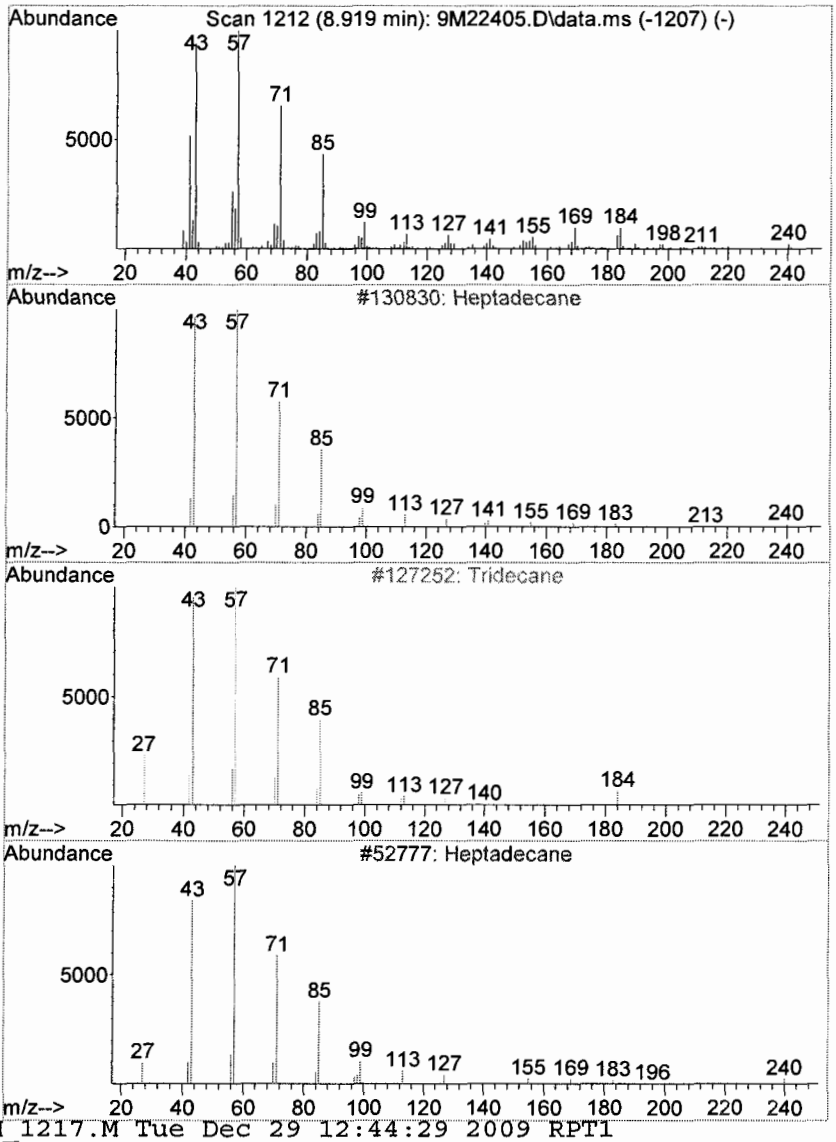
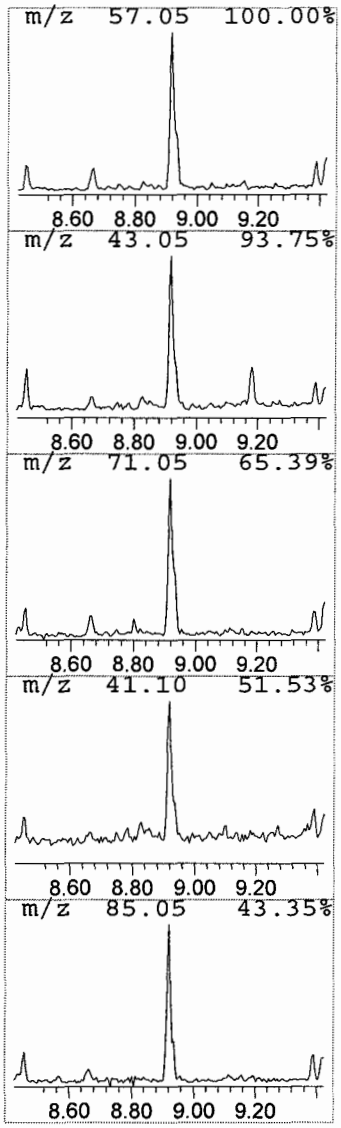
Peak Number 7 Heptadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	26.08 ng	322754	Phenanthrene-d10	9.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	96
2	Tridecane	184	C13H28	000629-50-5	96
3	Heptadecane	240	C17H36	000629-78-7	94
4	Heptadecane	240	C17H36	000629-78-7	92
5	Tridecane	184	C13H28	000629-50-5	91





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ALS Vial : 15 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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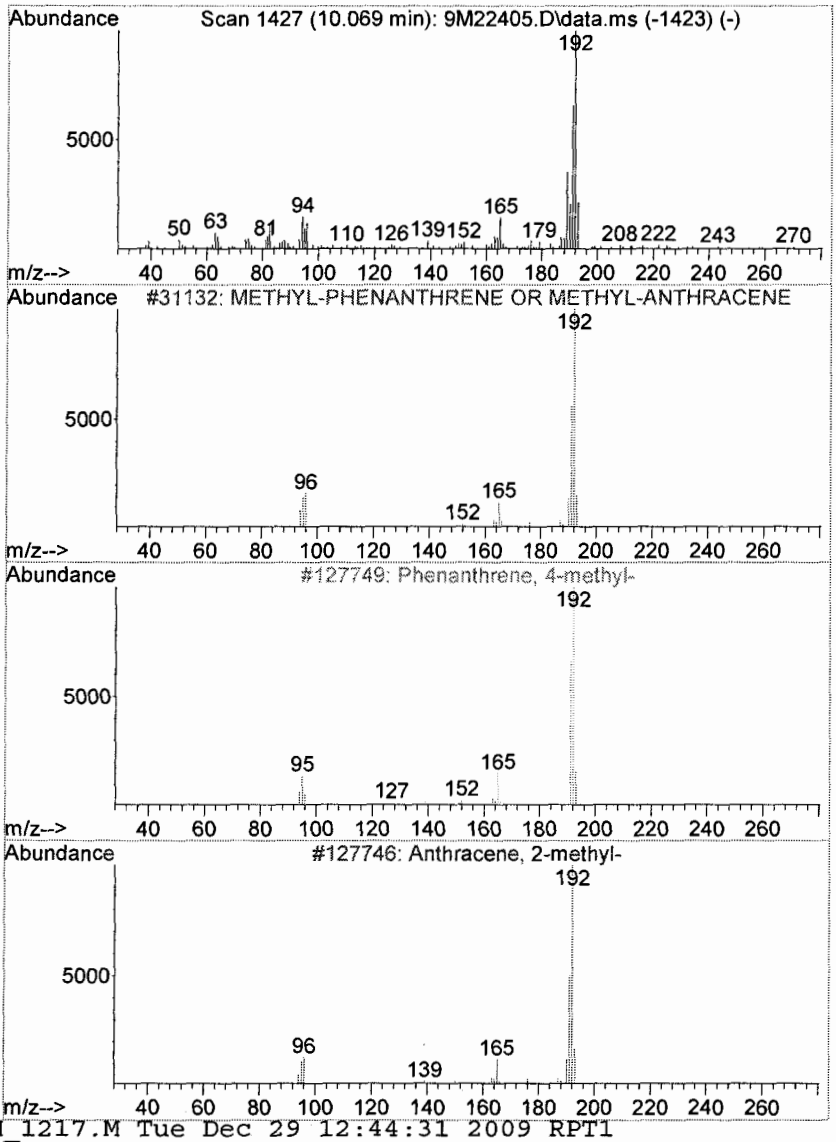
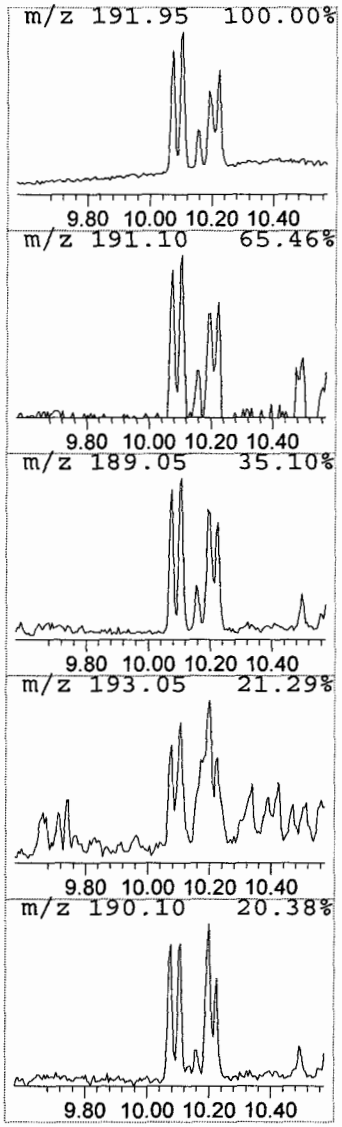
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	16.32 ng	202042	Phenanthrene-d10	9.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83





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Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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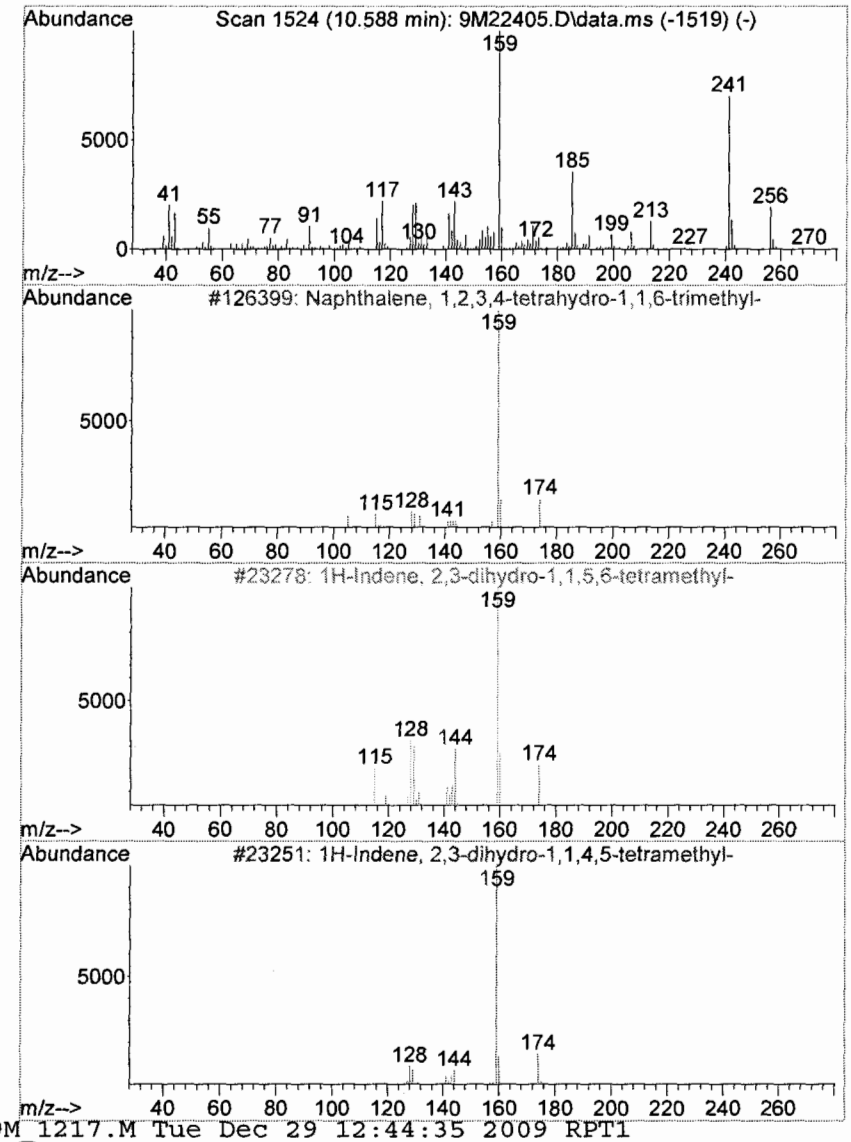
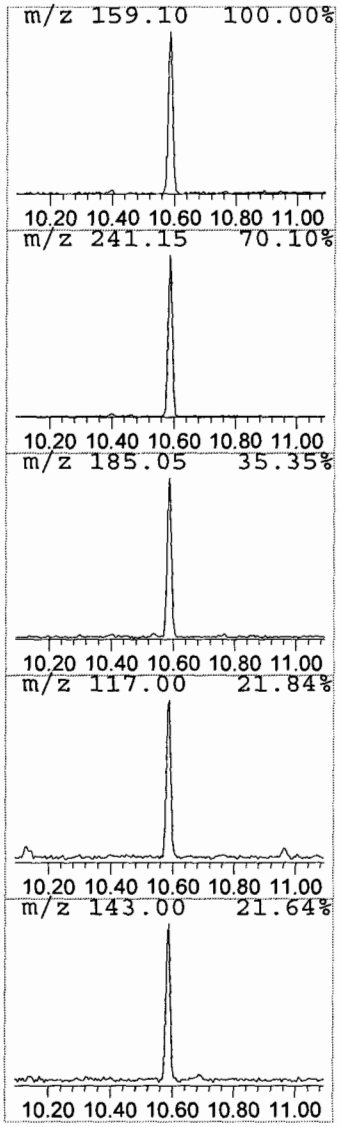
Peak Number 9 unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	56.12 ng	694610	Phenanthrene-d10	9.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	38
2	1H-Indene, 2,3-dihydro-1,1,5,6-t...	174	C13H18	000942-43-8	32
3	1H-Indene, 2,3-dihydro-1,1,4,5-t...	174	C13H18	016204-57-2	25
4	Naphthalene, 1,2,3,4-tetrahydro-...	202	C15H22	000483-77-2	25
5	ANILINE, N-(1,3-BUTADIENYL)-N-ME...	159	C11H13N	000000-00-0	25





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ALS Vial : 15 Sample Multiplier: 1

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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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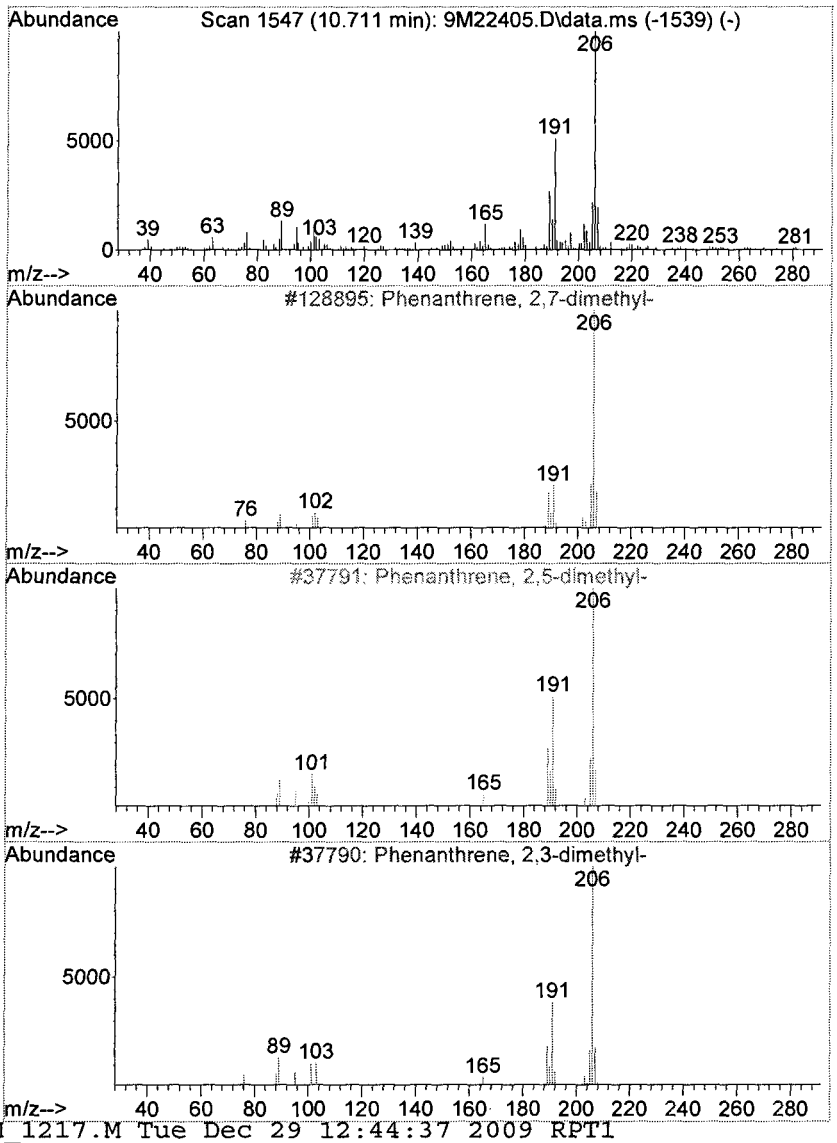
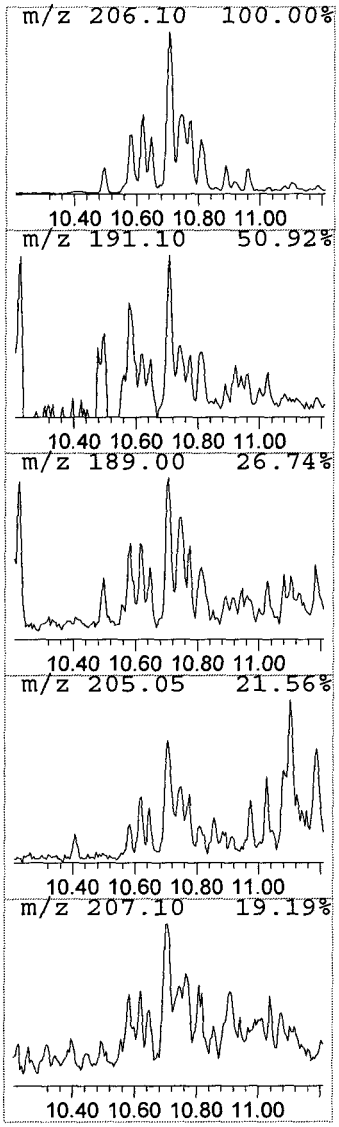
Peak Number 10 Phenanthrene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	18.53 ng	229313	Phenanthrene-d10	9.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	89





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ALS Vial : 15 Sample Multiplier: 1

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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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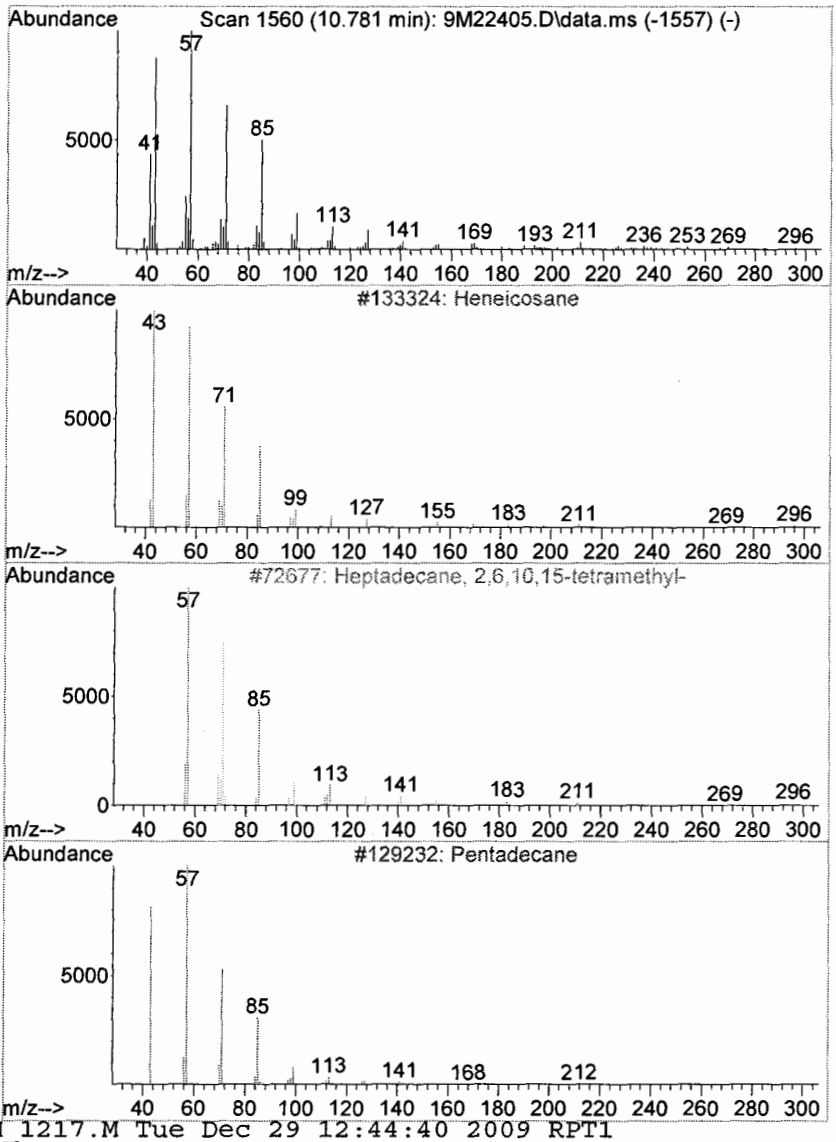
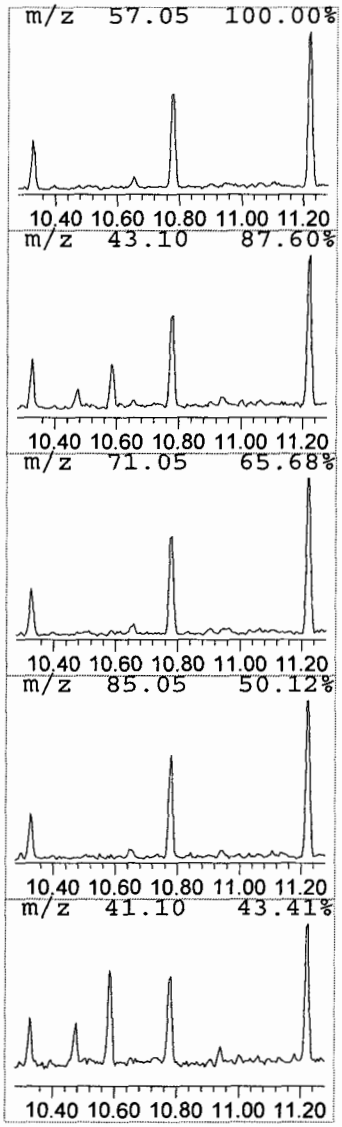
Peak Number 11 Heneicosane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	17.89 ng	221424	Phenanthrene-d10	9.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
3	Pentadecane	212	C15H32	000629-62-9	93
4	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	93
5	Tricosane	324	C23H48	000638-67-5	87





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Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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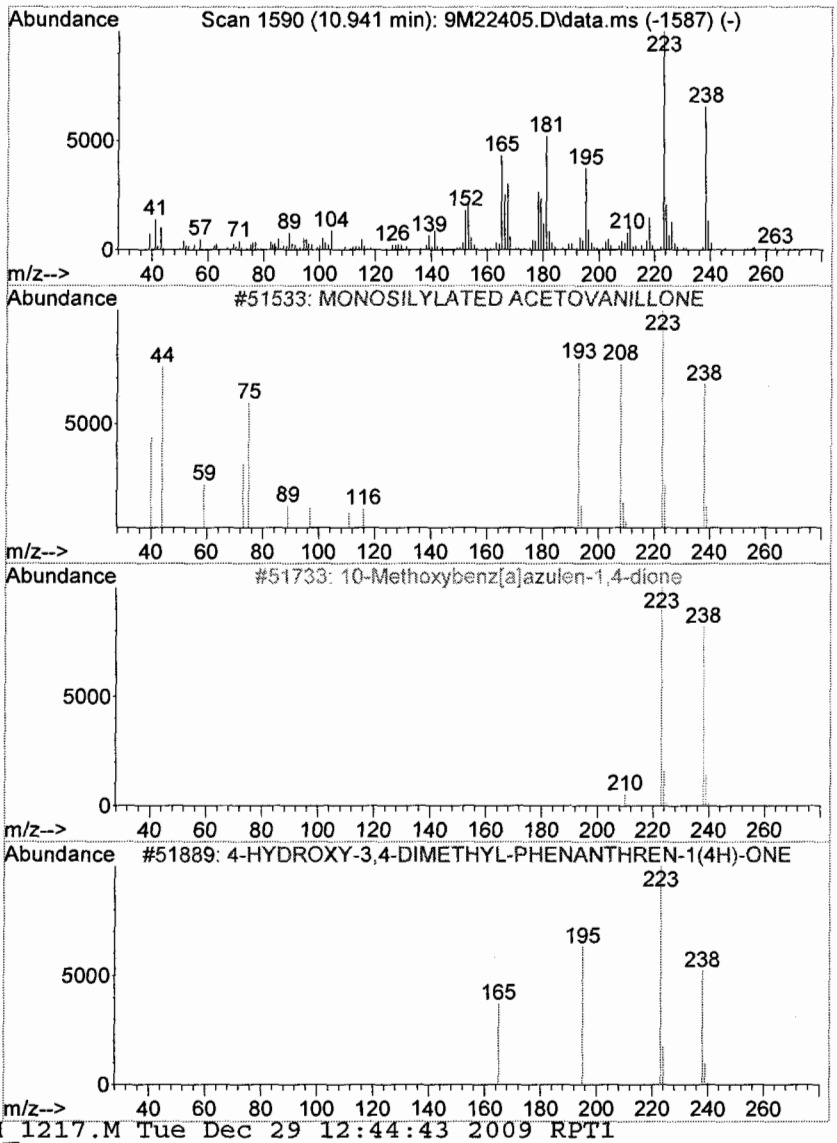
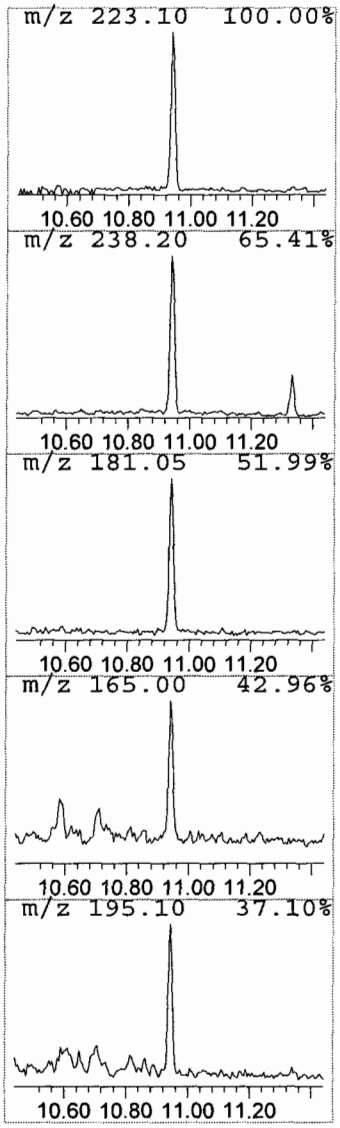
Peak Number 12 10-Methoxybenz[a]azulen-1,4... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	20.67 ng	255889	Phenanthrene-d10	9.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	MONOSILYLATED ACETOVANILLONE	238	C12H18O3Si	000000-00-0	94
2	10-Methoxybenz[a]azulen-1,4-dione	238	C15H10O3	076319-77-2	78
3	4-HYDROXY-3,4-DIMETHYL-PHENANTHR...	238	C16H14O2	060505-33-1	52
4	Benzene, 1,1'-(2,2-dichloroethyl...	306	C18H20Cl2	000072-56-0	40
5	Benzene, 1,1'-(1,2-ethynediyl)bi...	238	C16H14O2	002132-62-9	38





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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Heptadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	35.16 ng	451935	Chrysene-d12	12.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Heptadecane	240	C17H36	000629-78-7	93
3	Heptadecane	240	C17H36	000629-78-7	92
4	Docosane	310	C22H46	000629-97-0	89
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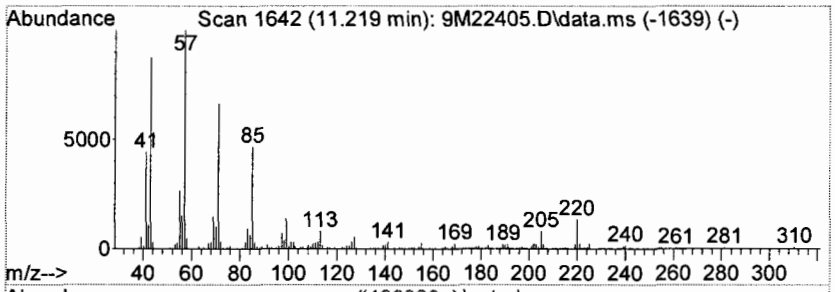

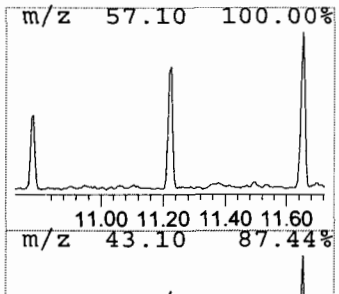

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Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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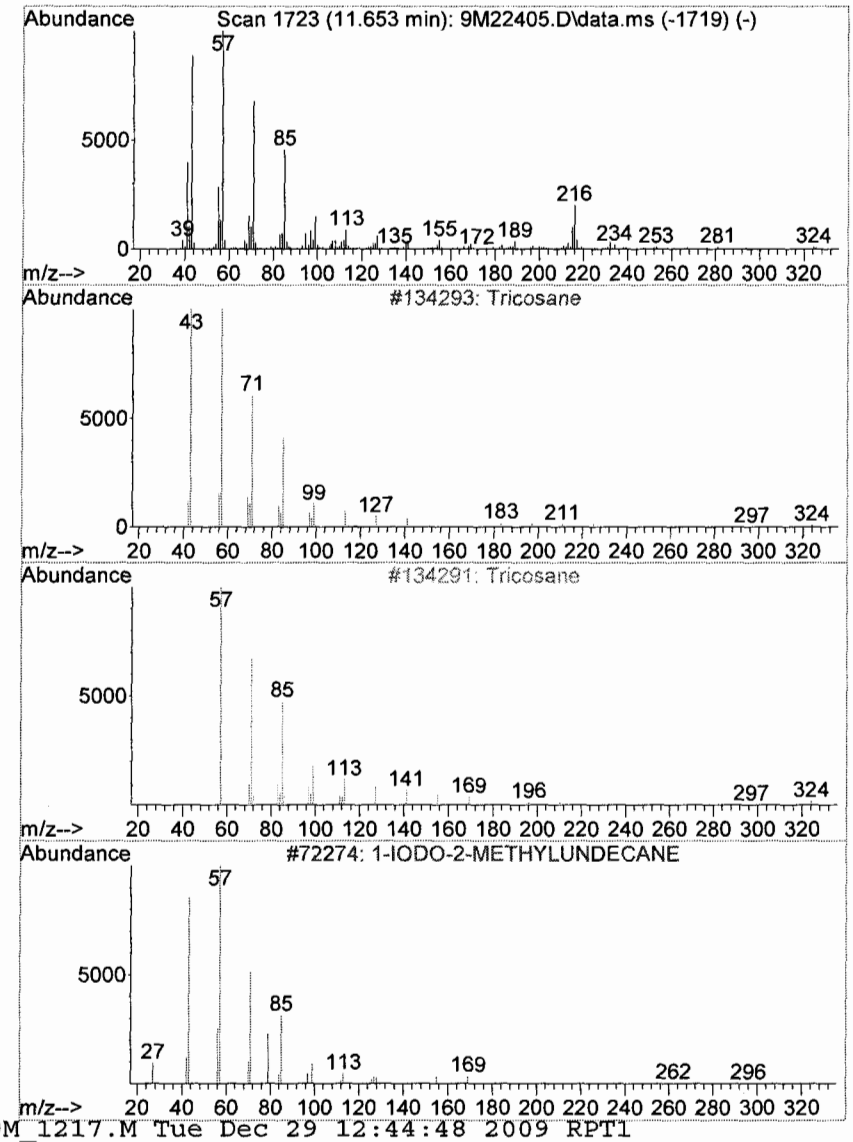
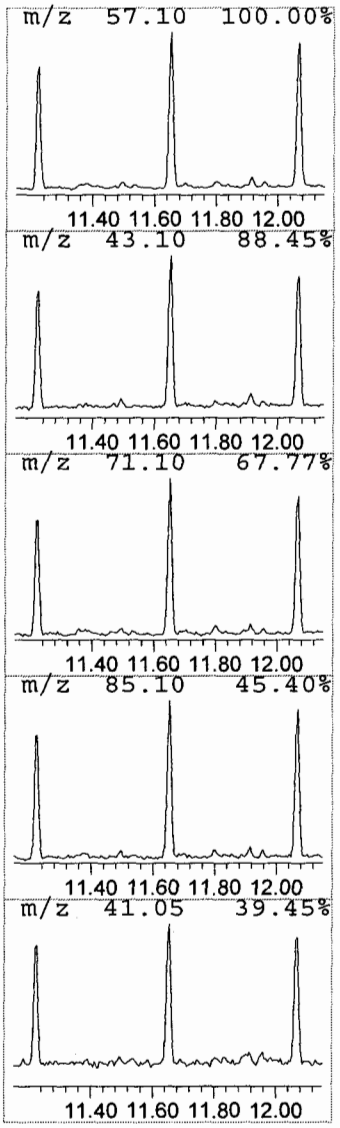
Peak Number 14 Tricosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	43.52 ng	559272	Chrysene-d12	12.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	95
2	Tricosane	324	C23H48	000638-67-5	93
3	1-IODO-2-METHYLUNDECANE	296	C12H25I	073105-67-6	70
4	Tridecane, 6-propyl-	226	C16H34	055045-10-8	70
5	Octacosane	394	C28H58	000630-02-4	70





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Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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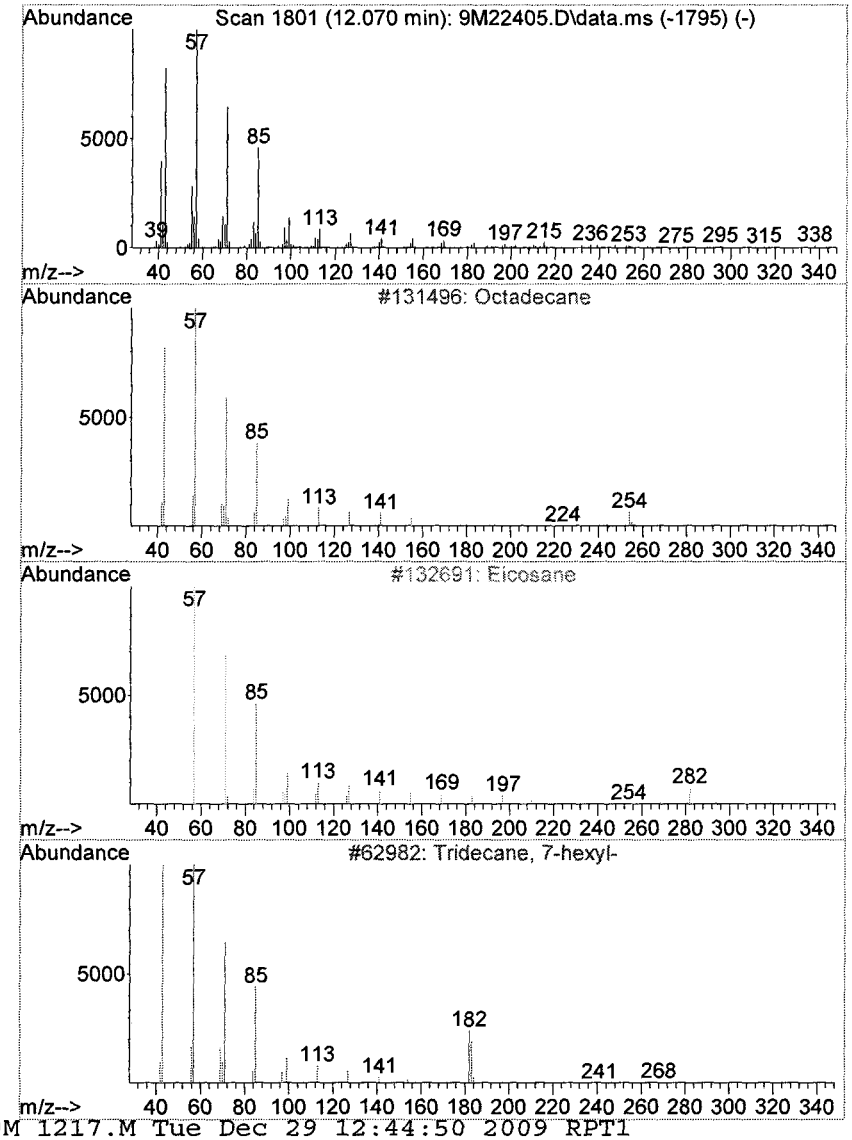
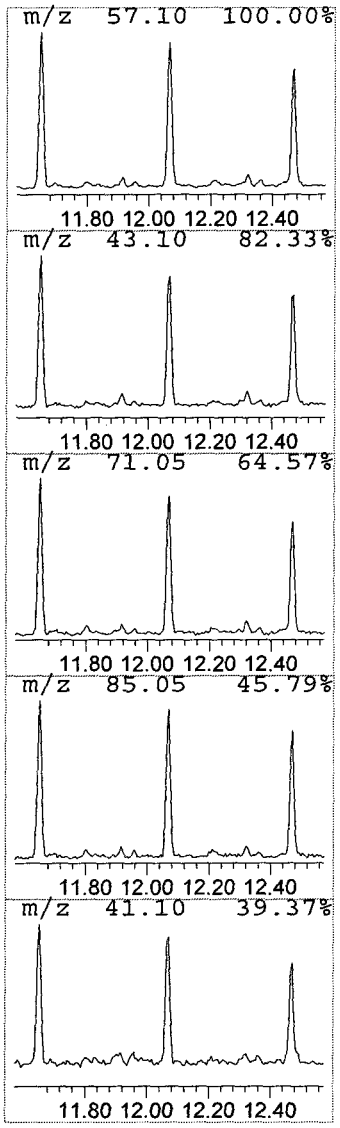
Peak Number 15 Octadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	36.83 ng	473378	Chrysene-d12	12.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	95
2	Eicosane	282	C20H42	000112-95-8	94
3	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	93
4	Docosane, 7-hexyl-	394	C28H58	055373-86-9	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





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Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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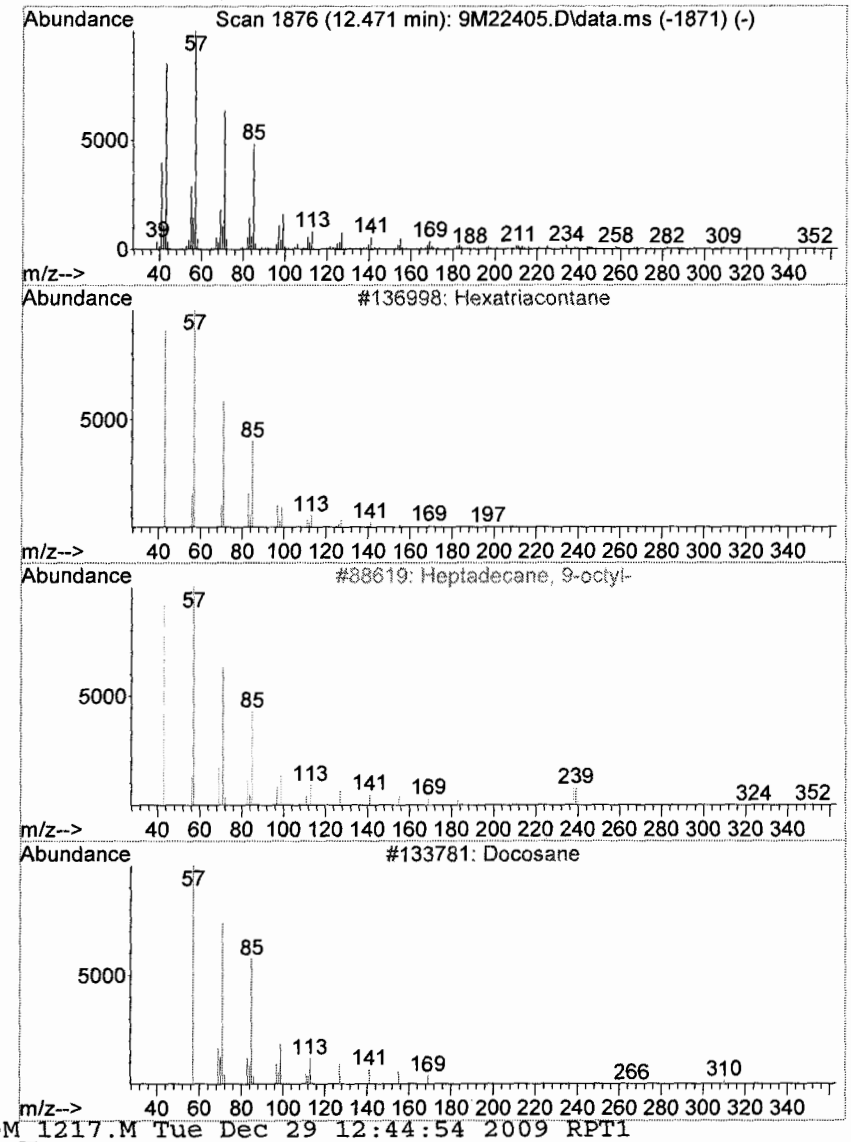
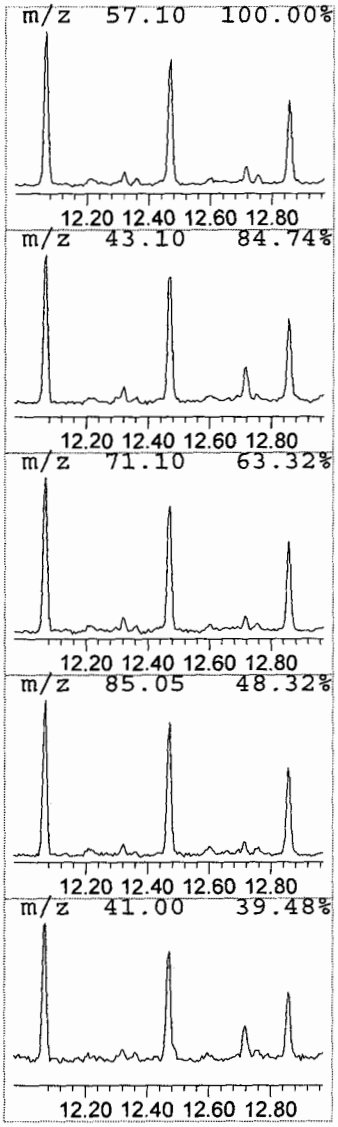
Peak Number 16 Hexatriacontane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	28.47 ng	365849	Chrysene-d12	12.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontane	507	C36H74	000630-06-8	93
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3	Docosane	310	C22H46	000629-97-0	91
4	Tetratetracontane	619	C44H90	007098-22-8	91
5	Heptacosane	380	C27H56	000593-49-7	91





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Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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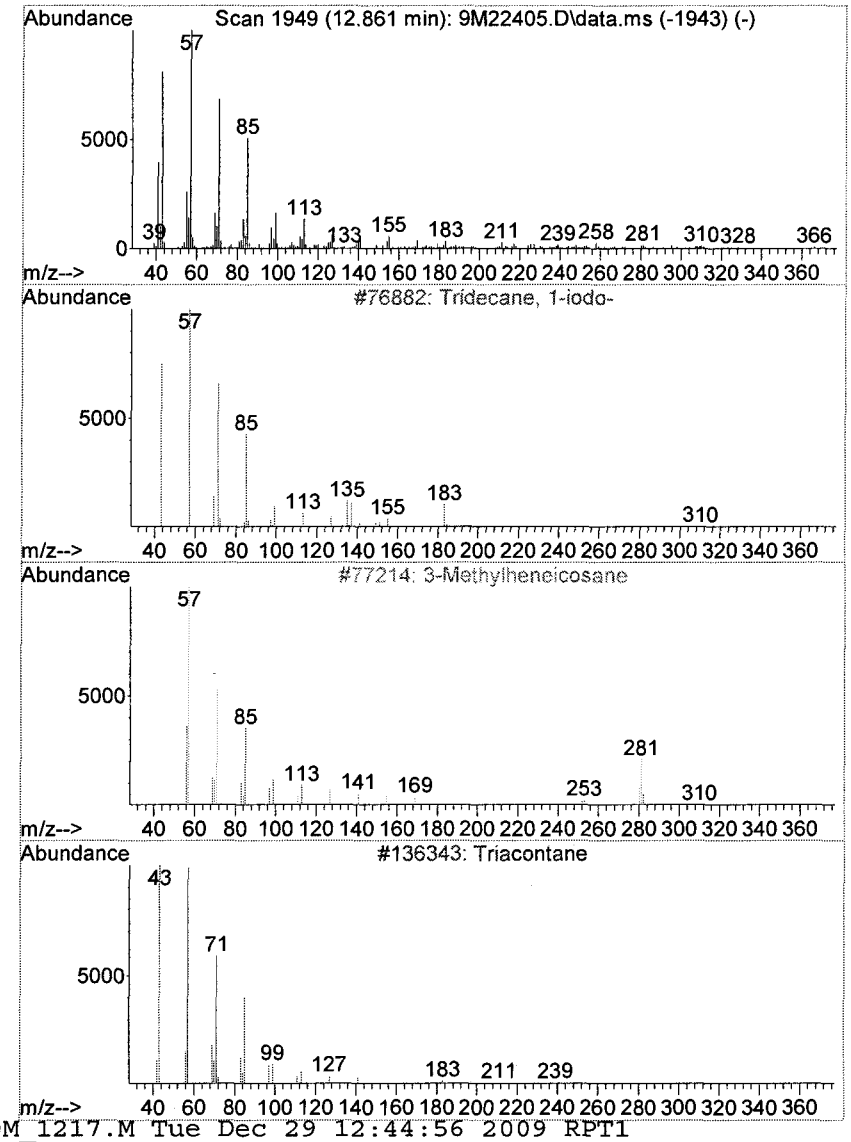
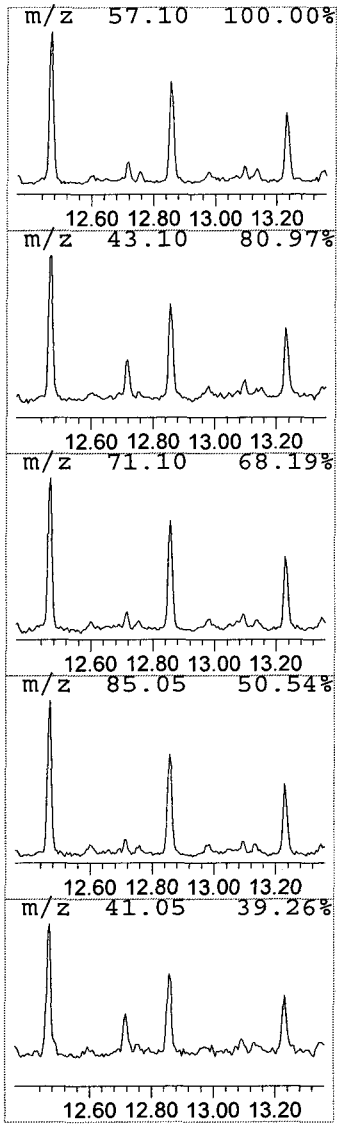
Peak Number 17 Tridecane, 1-iodo- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	25.13 ng	322941	Chrysene-d12	12.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	93
2	3-Methylheneicosane	310	C22H46	006418-47-9	93
3	Triacontane	422	C30H62	000638-68-6	90
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	90
5	Pentacosane	352	C25H52	000629-99-2	90





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ALS Vial : 15 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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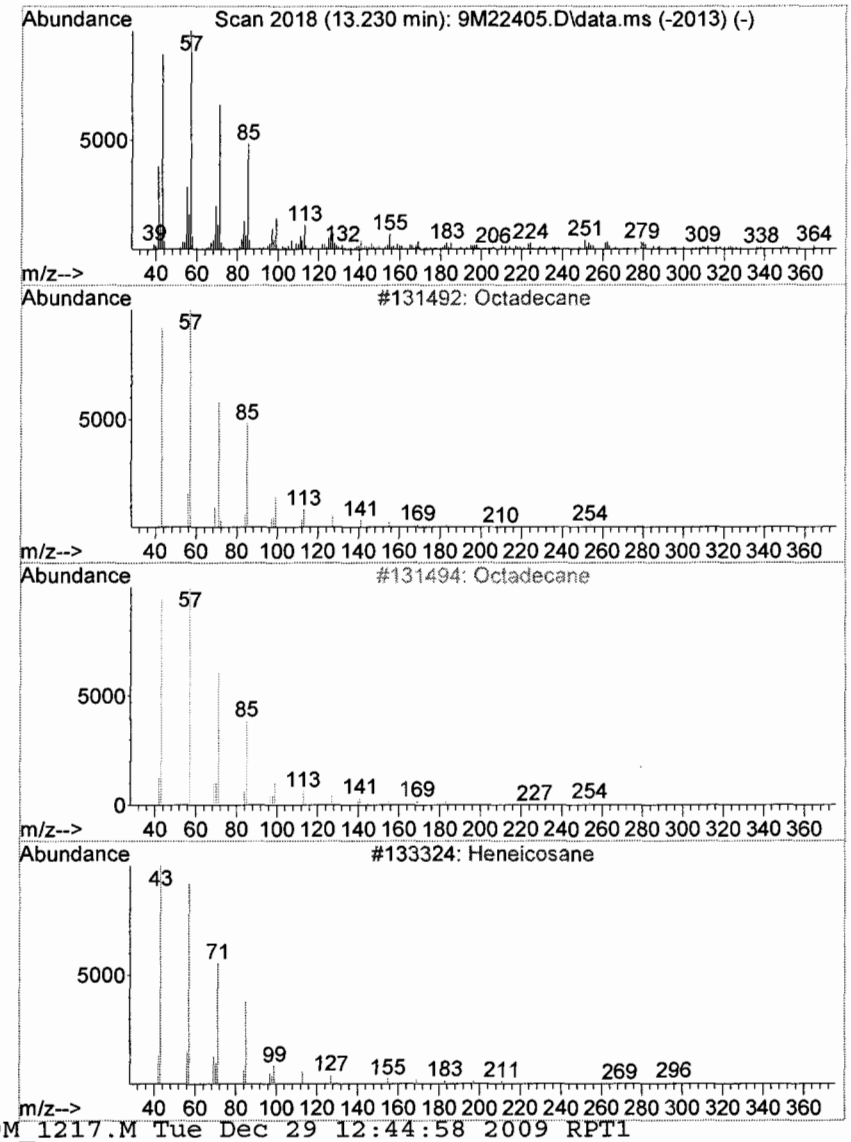
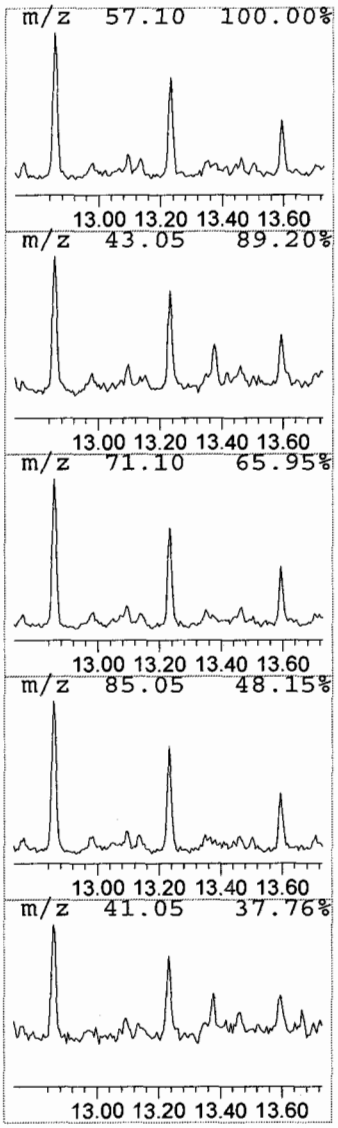
Peak Number 18 Octadecane Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	16.24 ng	208759	Chrysene-d12	12.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	96
2	Octadecane	254	C18H38	000593-45-3	96
3	Heneicosane	296	C21H44	000629-94-7	95
4	Docosane	310	C22H46	000629-97-0	95
5	Heneicosane	296	C21H44	000629-94-7	93





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ALS Vial : 15 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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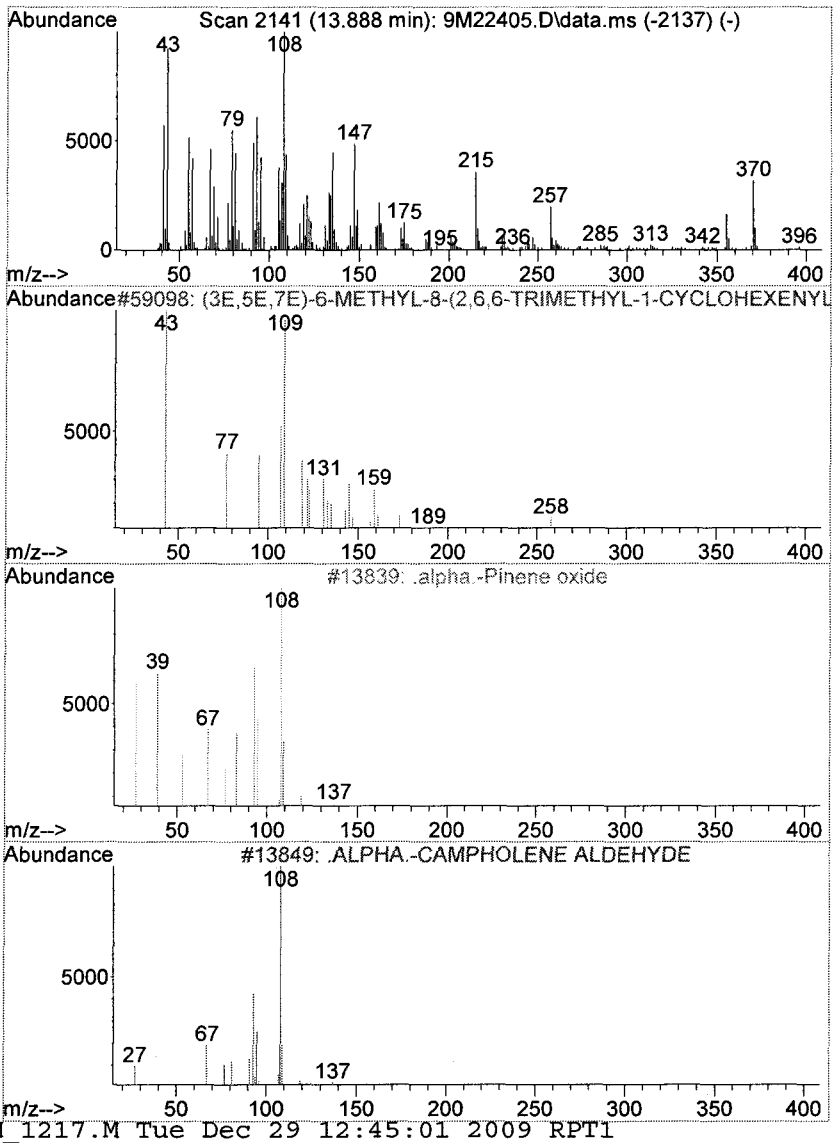
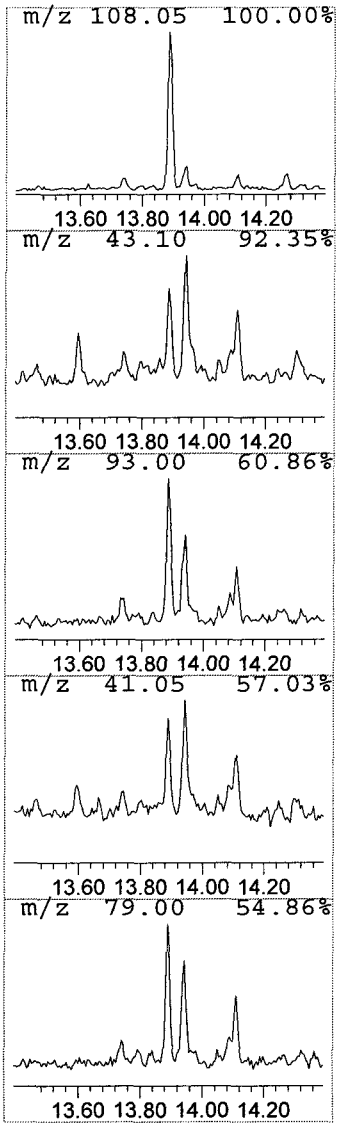
Peak Number 19 unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	36.88 ng	390501	Perylene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(3E,5E,7E)-6-METHYL-8-(2,6,6-TRI...	258	C18H26O	017974-57-1	53
2	.alpha.-Pinene oxide	152	C10H16O	001686-14-2	38
3	.ALPHA.-CAMPHOLENE ALDEHYDE	152	C10H16O	026882-03-1	27
4	1,4-Naphthalenediol, decahydro-,...	170	C10H18O2	001127-52-2	25
5	12-NOR-CARYOPHYLL-5-EN-2-ON	206	C14H22O	060362-44-9	18





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Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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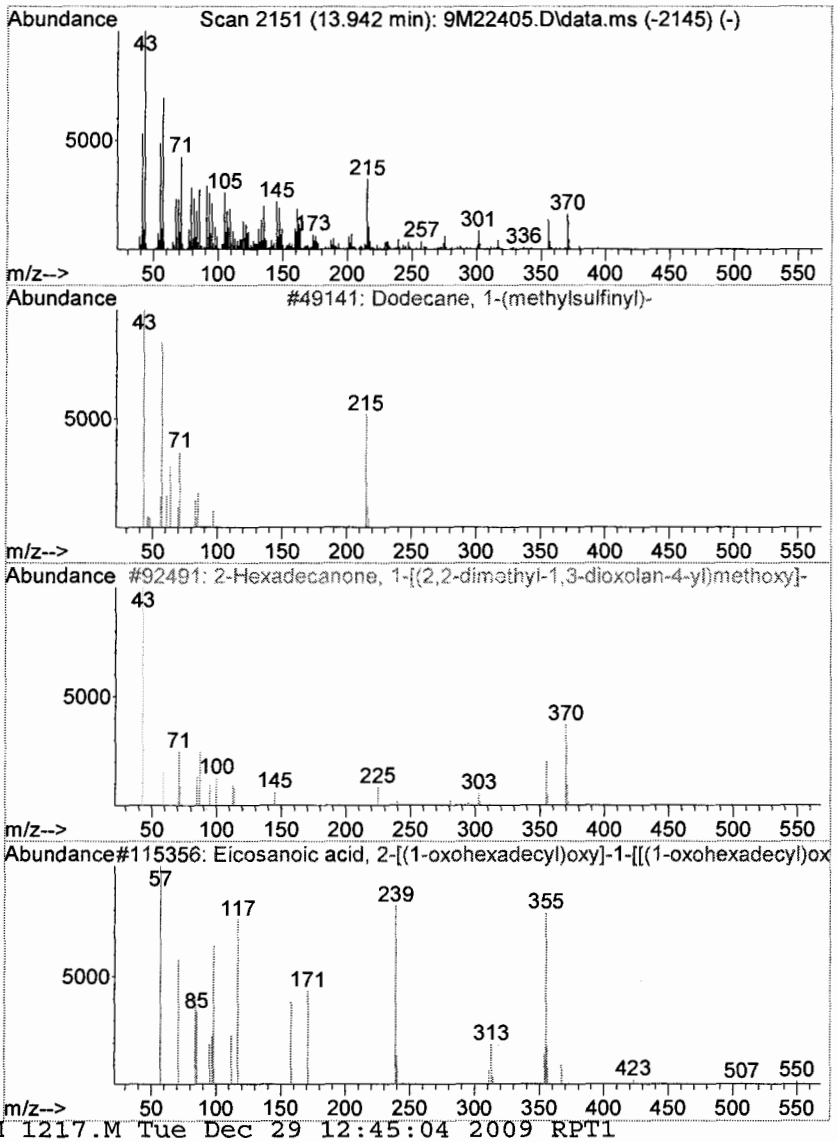
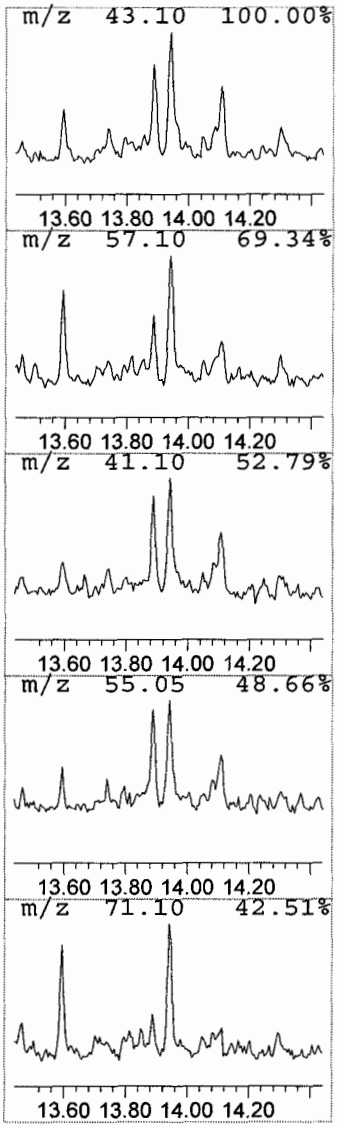
Peak Number 20 unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	49.73 ng	526655	Perylene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-(methylsulfinyl)-	232	C13H28OS	003079-30-9	22
2	2-Hexadecanone, 1-[(2,2-dimethyl...	370	C22H42O4	039033-39-1	11
3	Eicosanoic acid, 2-[(1-oxohexade...	863	C55H106O6	056630-28-5	10
4	1,2,11-Undecanetriyl triacetate	330	C17H30O6	084120-75-2	9
5	1-Heptadecanamine	255	C17H37N	004200-95-7	9





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Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

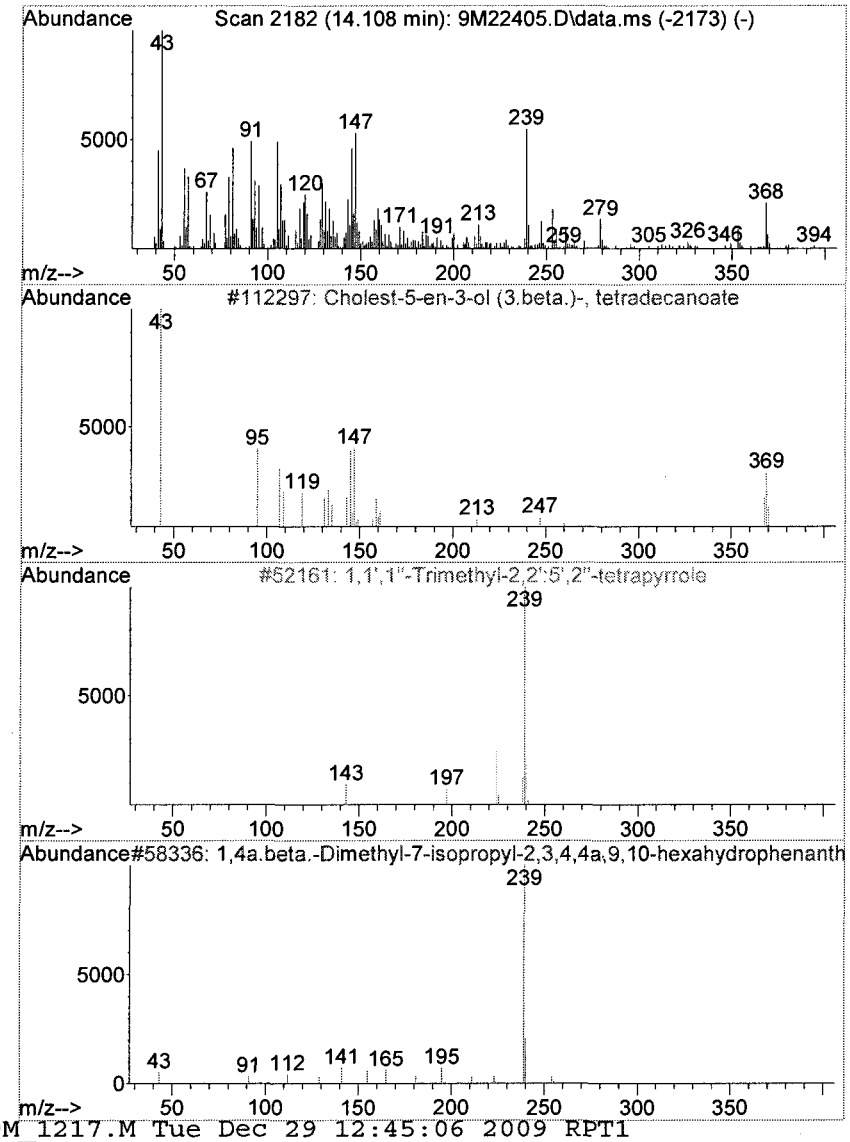
Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

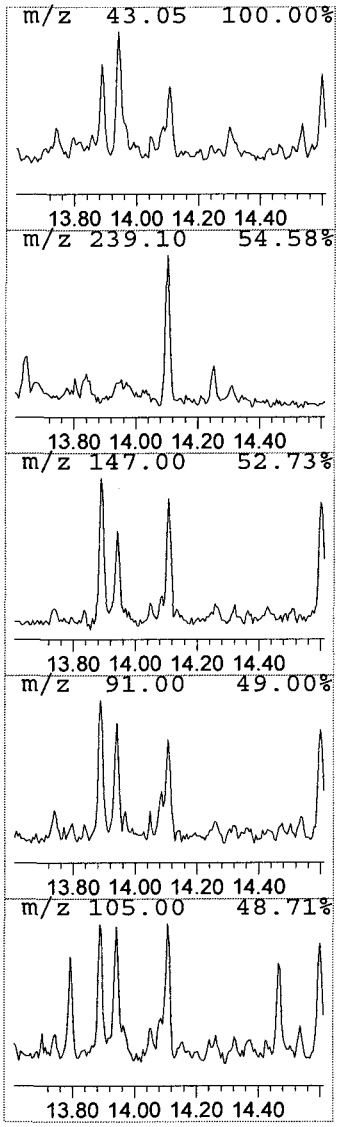
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Cholest-5-en-3-ol (3.beta.)... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	51.49 ng	545225	Perylene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholest-5-en-3-ol (3.beta.)-, te...	597	C41H72O2	001989-52-2	52
2	1,1',1''-Trimethyl-2,2':5',2''-t...	239	C15H17N3	080421-33-6	25
3	1,4a.beta.-Dimethyl-7-isopropyl-...	254	C19H26	023963-77-1	11
4	Cholest-5-en-3-ol (3.beta.)-	386	C27H46O	000057-88-5	11
5	CYCLOPENTADIENYL-HAPTO-5-INDENYL...	239	C14H12Co	000000-00-0	11





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Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

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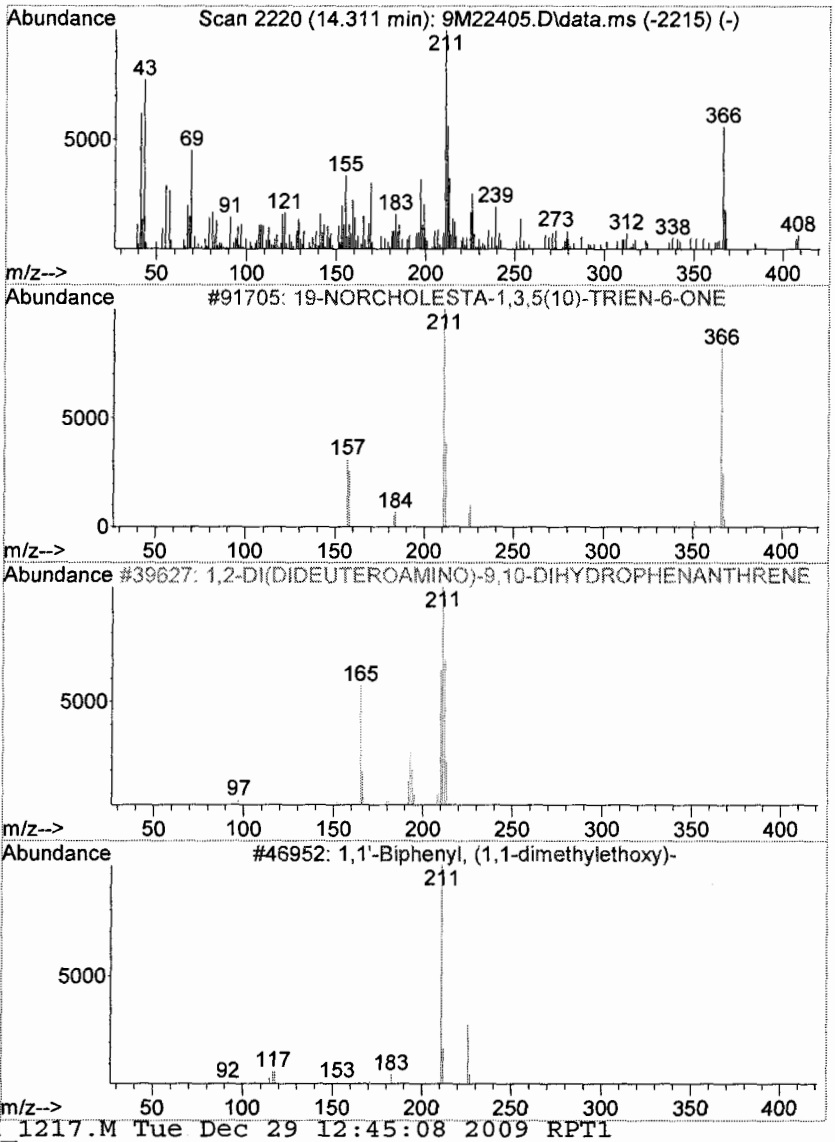
Quant Title : @GCMS_9,mg,625,8270

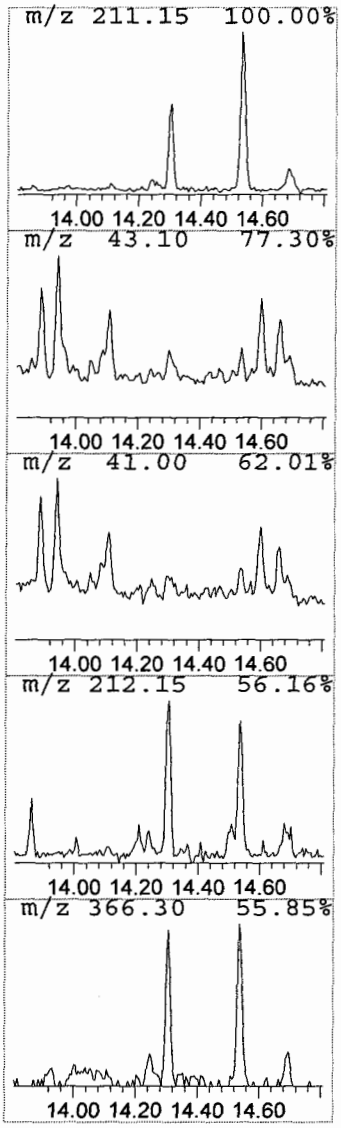
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 19-NORCHOLESTA-1,3,5(10)-TR... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	16.71 ng	176950	Perylene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	19-NORCHOLESTA-1,3,5(10)-TRIEN-6...	366	C26H38O	019454-79-6	58
2	1,2-DI(DIDEUTEROAMINO)-9,10-DIHY...	210	C14H10D4N2	018264-93-2	35
3	1,1'-Biphenyl, (1,1-dimethyletho...	226	C16H18O	072101-19-0	27
4	[1,1'-Biphenyl]-2-ol, 5-(1,1-dim...	226	C16H18O	000577-92-4	27
5	2-Benzyl-3,5,6-trimethylpyrazine	212	C14H16N2	000000-00-0	27





Library Search Compound Report

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Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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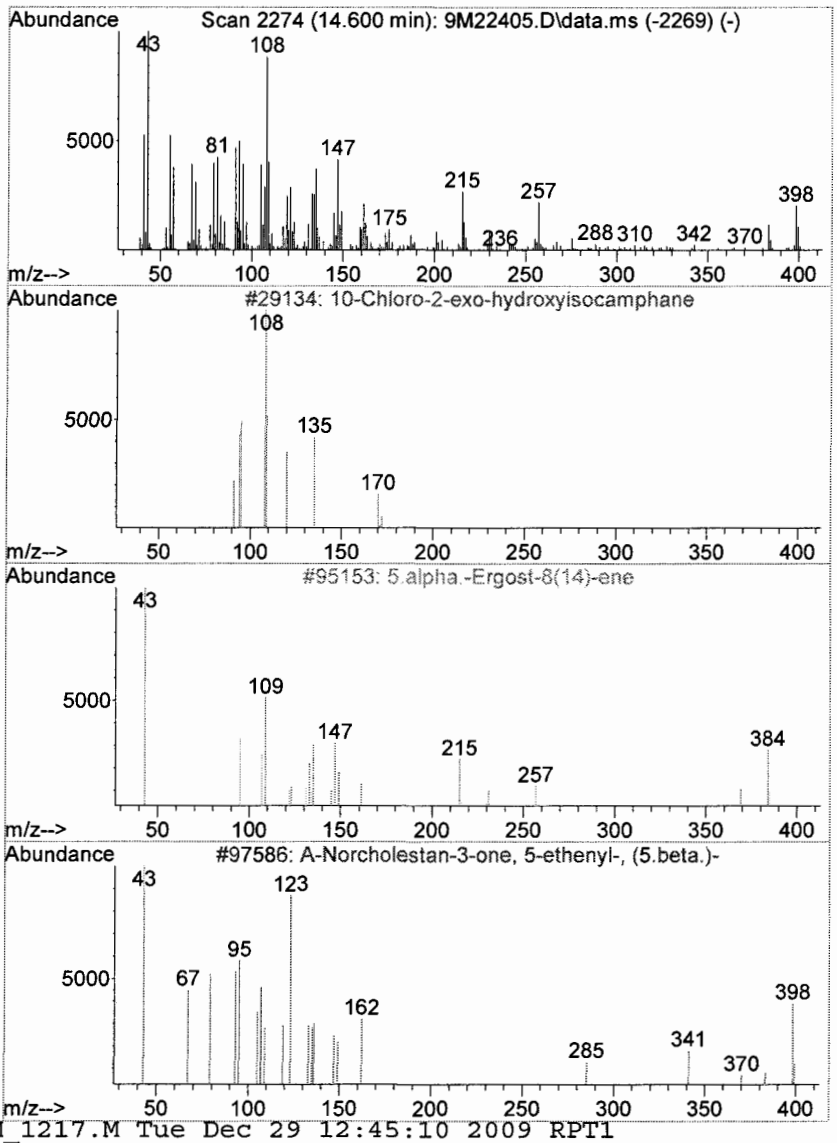
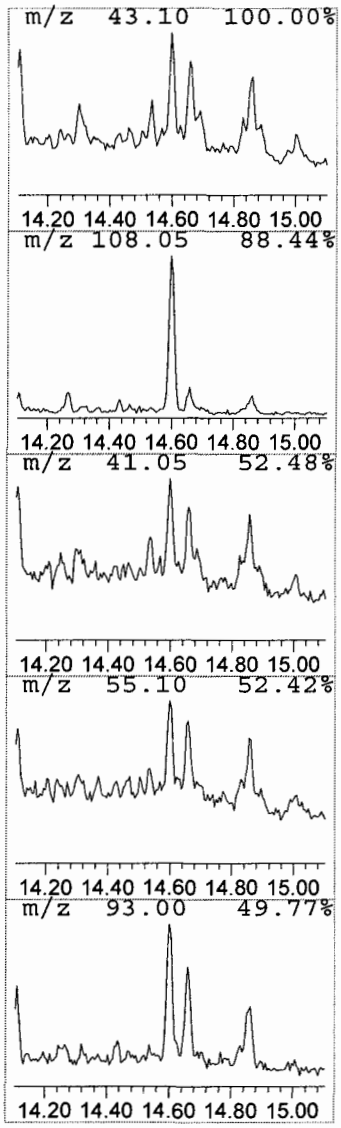
Peak Number 23 unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	33.23 ng	351919	Perylene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Chloro-2-exo-hydroxyisocamphane	188	C10H17ClO	091200-92-9	37
2	5.alpha.-Ergost-8(14)-ene	384	C28H48	006673-69-4	35
3	A-Norcholestan-3-one, 5-ethenyl-...	398	C28H46O	019594-90-2	35
4	.ALPHA.-CAMPHOLENE ALDEHYDE	152	C10H16O	004501-58-0	35
5	TRICYCLO[8.6.0.0(2,9)]HEXADECA-3...	216	C16H24	000000-00-0	27





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Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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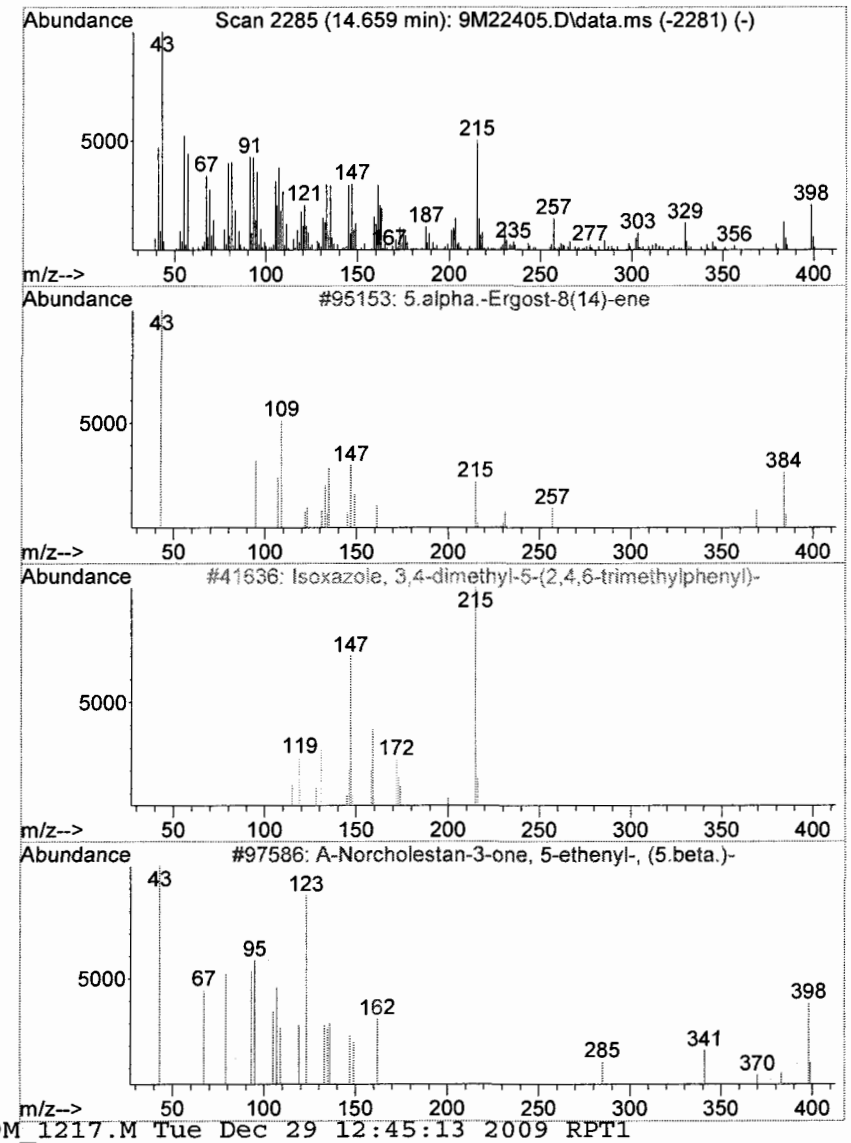
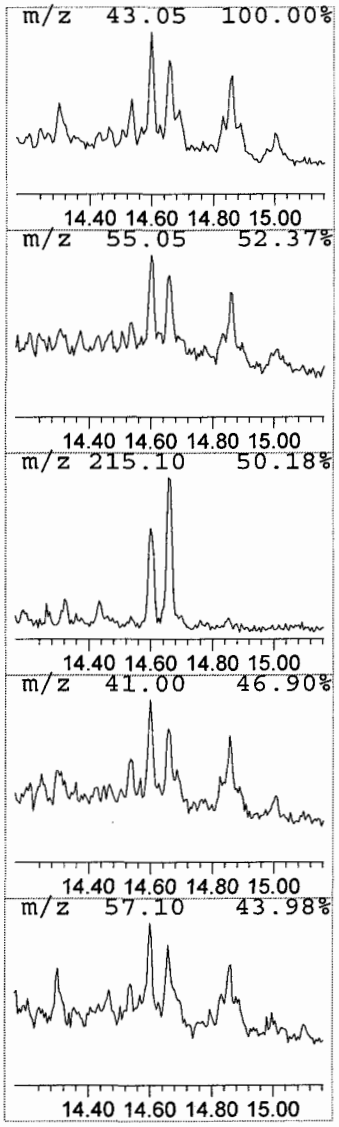
Peak Number 24 unknown Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	24.49 ng	259364	Perylene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5.alpha.-Ergost-8(14)-ene	384	C28H48	006673-69-4	22
2	Isoxazole, 3,4-dimethyl-5-(2,4,6...	215	C14H17NO	061314-49-6	22
3	A-Norcholestan-3-one, 5-ethenyl-...	398	C28H46O	019594-90-2	18
4	1H-Purin-6-amine, N-(2-furanylme...	215	C10H9N5O	000525-79-1	11
5	Ergosta-5,24(28)-dien-3-ol, (3.b...	398	C28H46O	000474-63-5	11





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Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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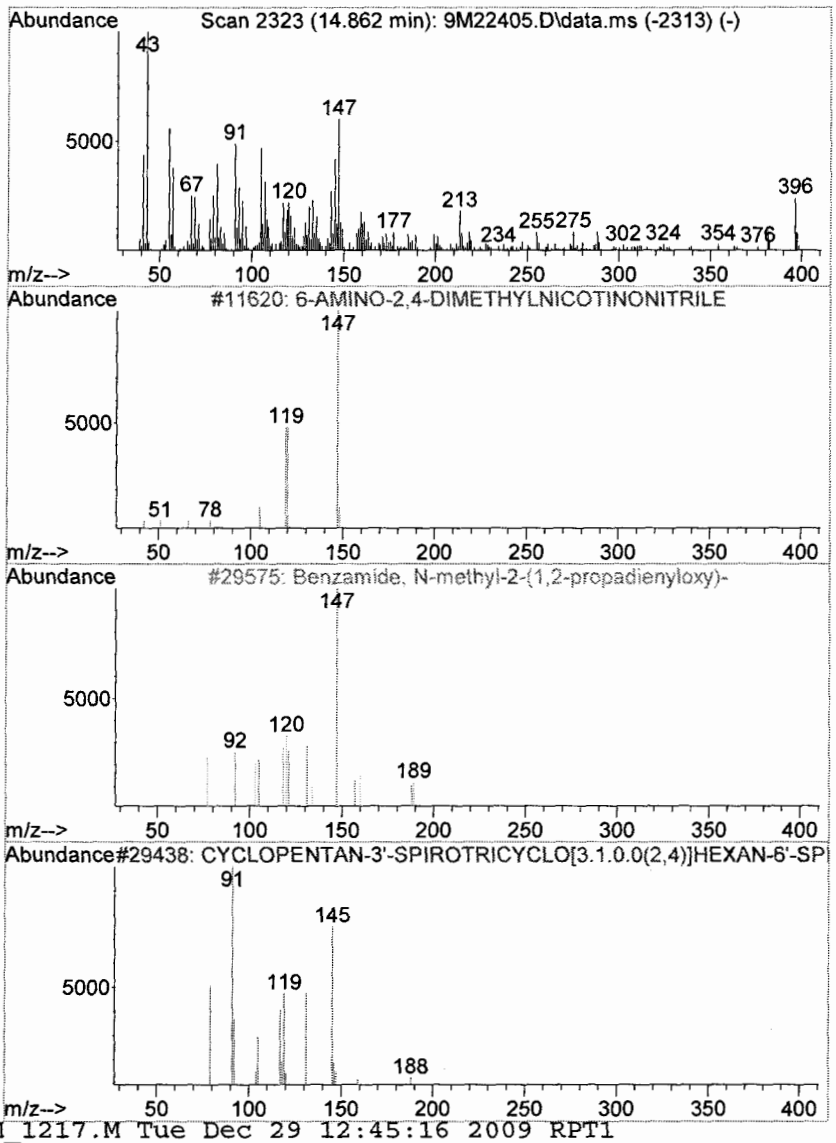
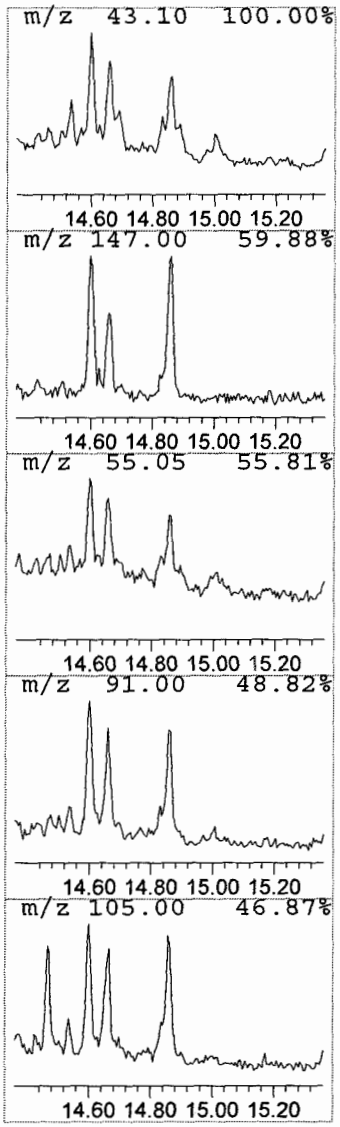
Peak Number 25 unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	61.24 ng	648539	Perylene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-AMINO-2,4-DIMETHYLNICOTINONITRILE	147	C8H9N3	000000-00-0	25
2	Benzamide, N-methyl-2-(1,2-propa...	189	C11H11NO2	066362-43-4	18
3	CYCLOPENTAN-3'-SPIROTRICYCLO[3.1...	188	C14H20	078578-93-5	16
4	Benzeneethanol, ar,ar-diethyl-	178	C12H18O	054518-14-8	14
5	Propanedioic acid, methyl-, bis(...	262	C10H22O4Si2	040333-07-1	11





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Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

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Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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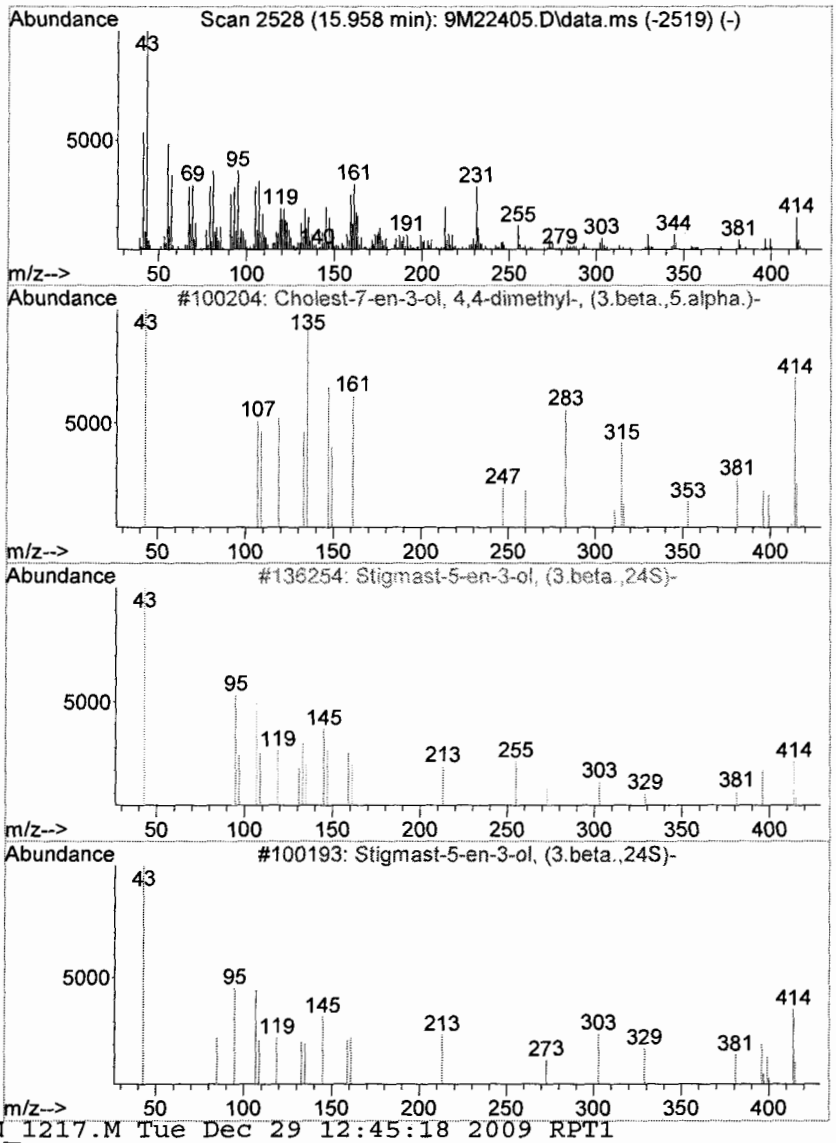
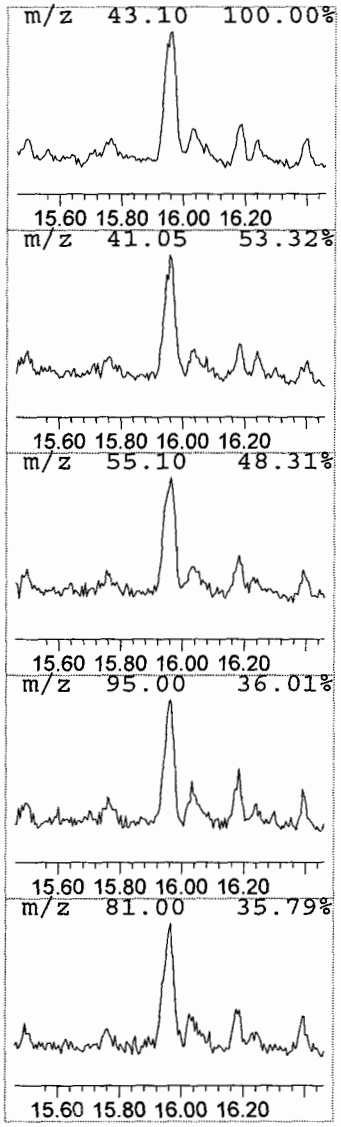
Peak Number 26 Cholest-7-en-3-ol, 4,4-dime... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	68.38 ng	724129	Perylene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholest-7-en-3-ol, 4,4-dimethyl-...	414	C29H50O	006384-28-7	80
2	Stigmast-5-en-3-ol, (3.beta.,24S)-	414	C29H50O	000083-47-6	46
3	Stigmast-5-en-3-ol, (3.beta.,24S)-	414	C29H50O	000083-47-6	41
4	Stigmastan-7-one	414	C29H50O	055331-88-9	14
5	4-ACETYL-2,2,3,7-TETRAMETHYLTRIC...	246	C17H26O	000000-00-0	10





Library Search Compound Report

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Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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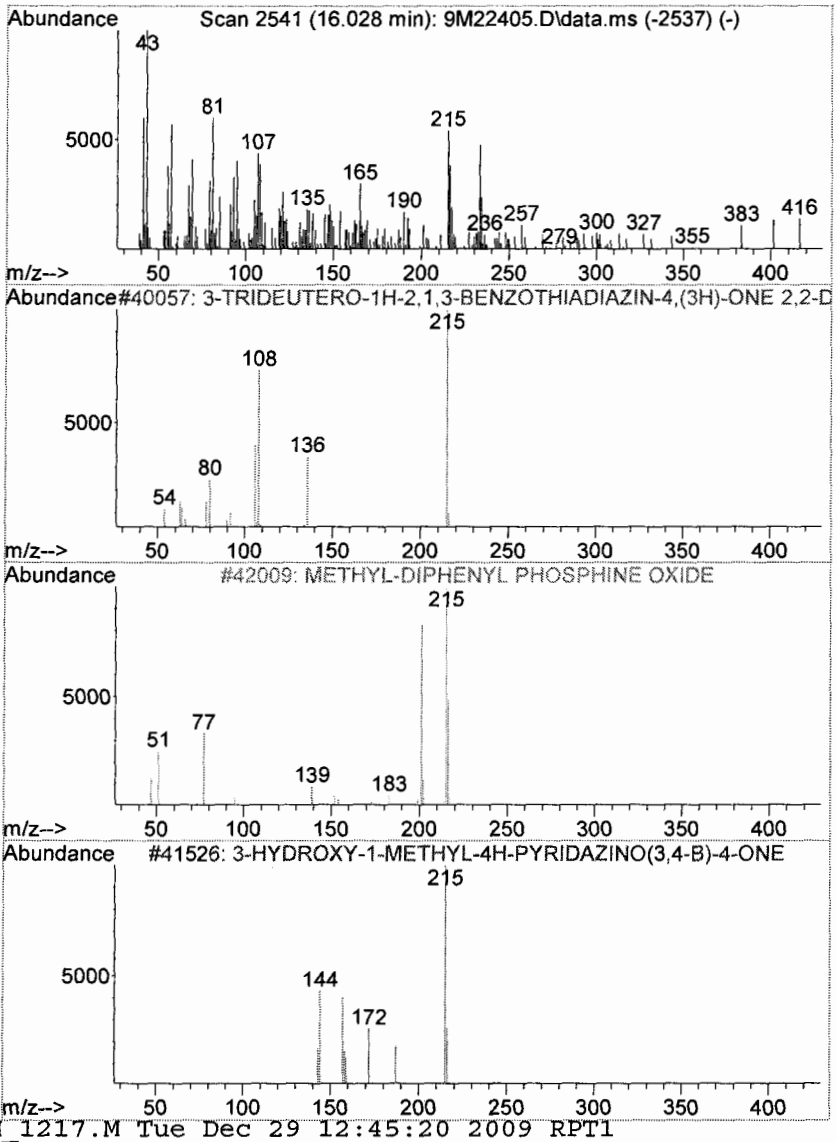
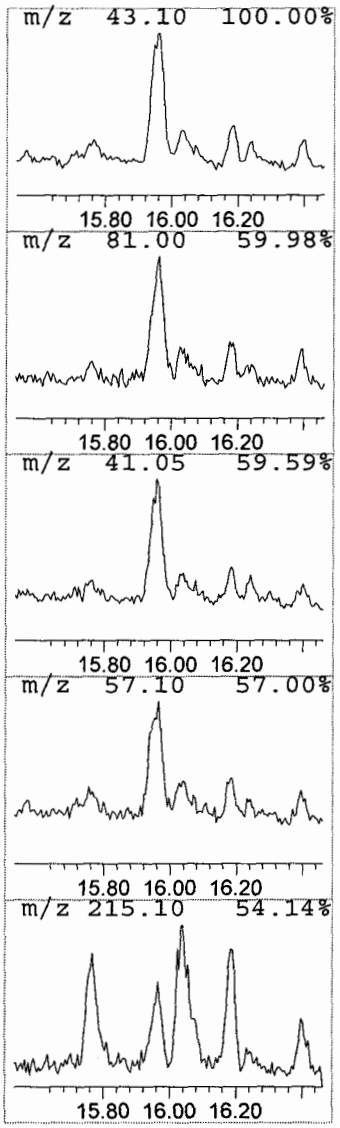
Peak Number 27 unknown Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	23.69 ng	250875	Perylene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-TRIDEUTERO-1H-2,1,3-BENZOTHIAD...	212	C8H5D3N2O3S	040467-21-8	10
2	METHYL-DIPHENYL PHOSPHINE OXIDE	216	C13H13OP	002129-89-7	9
3	3-HYDROXY-1-METHYL-4H-PYRIDAZINO...	215	C11H9N3O2	065610-80-2	9
4	3-Hydroxy-4-nitrobiphenyl	215	C12H9NO3	000000-00-0	9
5	2-Chloro-7-phenyltropone	216	C13H9ClO	090128-01-1	9





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22405.D
Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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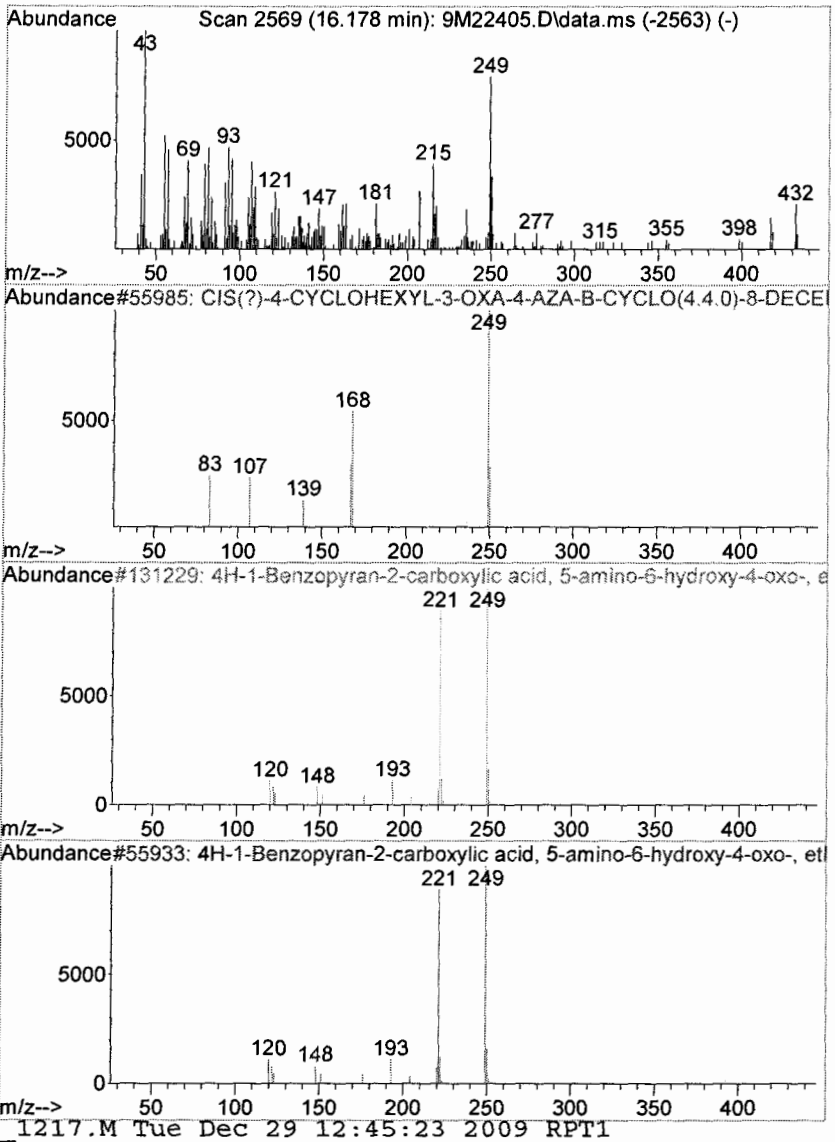
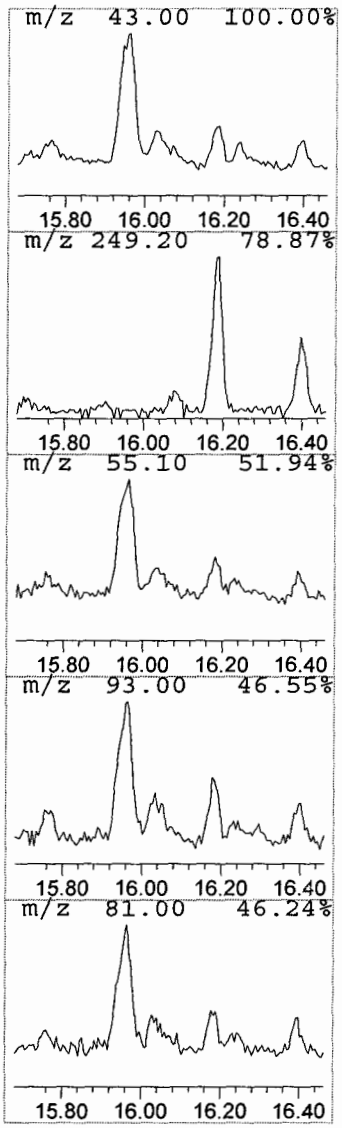
Peak Number 28 unknown Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	16.44 ng	174116	Perylene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	CIS(?)-4-CYCLOHEXYL-3-OXA-4-AZA-...	249	C14H19NO3	063013-26-3	27
2	4H-1-Benzopyran-2-carboxylic aci...	249	C12H11NO5	032142-43-1	25
3	4H-1-Benzopyran-2-carboxylic aci...	249	C12H11NO5	032142-43-1	25
4	2,4-DIMETHYLTHIO-6-PHENYL-1,3,5-...	249	C11H11N3S2	000000-00-0	25
5	6-Methoxy-2-methyl-4-phenylquino...	249	C17H15NO	000000-00-0	25





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22405.D
Acq On : 27 Dec 2009 15:52
Operator : AHD
Sample : AC49029-001
Misc : S,BNA
ALS Vial : 15 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	ExpRT	ActRt	Resp	Conc
2-Pentanone, 4-hy...	4.17	3364.7	ng	16258600	1	5.65	5.65	193286	40.0
BENZOCYCLOHEPTATR...	7.28	18.9	ng	176656	2	6.66	6.66	374750	40.0
Naphthalene, 1,7-...	7.71	18.3	ng	217568	3	8.07	8.07	474719	40.0
Naphthalene, 1,3-...	7.77	22.1	ng	261895	3	8.07	8.07	474719	40.0
Pentadecane	7.99	15.6	ng	185027	3	8.07	8.07	474719	40.0
Naphthalene, 1,4,...	8.45	17.2	ng	204439	3	8.07	8.07	474719	40.0
Heptadecane	8.92	26.1	ng	322754	4	9.52	9.52	495078	40.0
Phenanthrene, 4-m...	10.07	16.3	ng	202042	4	9.52	9.52	495078	40.0
unknown	10.59	56.1	ng	694610	4	9.52	9.52	495078	40.0
Phenanthrene, 2,7...	10.71	18.5	ng	229313	4	9.52	9.52	495078	40.0
Heneicosane	10.78	17.9	ng	221424	4	9.52	9.52	495078	40.0
10-Methoxybenz[a]...	10.94	20.7	ng	255889	4	9.52	9.52	495078	40.0
Heptadecane	11.22	35.2	ng	451935	5	12.58	12.58	514074	40.0
Tricosane	11.65	43.5	ng	559272	5	12.58	12.58	514074	40.0
Octadecane	12.07	36.8	ng	473378	5	12.58	12.58	514074	40.0
Hexatriacontane	12.47	28.5	ng	365849	5	12.58	12.58	514074	40.0
Tridecane, 1-iodo-	12.86	25.1	ng	322941	5	12.58	12.58	514074	40.0
Octadecane	13.23	16.2	ng	208759	5	12.58	12.58	514074	40.0
unknown	13.89	36.9	ng	390501	6	14.19	14.19	423573	40.0
unknown	13.94	49.7	ng	526655	6	14.19	14.19	423573	40.0
Cholest-5-en-3-ol...	14.11	51.5	ng	545225	6	14.19	14.19	423573	40.0
19-NORCHOLESTA-1,...	14.31	16.7	ng	176950	6	14.19	14.19	423573	40.0
unknown	14.60	33.2	ng	351919	6	14.19	14.19	423573	40.0
unknown	14.66	24.5	ng	259364	6	14.19	14.19	423573	40.0
unknown	14.86	61.2	ng	648539	6	14.19	14.19	423573	40.0
Cholest-7-en-3-ol...	15.96	68.4	ng	724129	6	14.19	14.19	423573	40.0
unknown	16.03	23.7	ng	250875	6	14.19	14.19	423573	40.0
unknown	16.18	16.4	ng	174116	6	14.19	14.19	423573	40.0

GC/MS Semi-Volatile Data
Standards Data

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

0210

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M54327.	CAL BNA@50PPM	12/15/09 09:37	2	5M54336.	CAL BNA@2PPM	12/15/09 13:41
3	5M54335.	CAL BNA@10PPM	12/15/09 13:07	4	5M54332.	CAL BNA@20PPM	12/15/09 11:31
5	5M54331.	CAL BNA@80PPM	12/15/09 11:09	6	5M54330.	CAL BNA@120PPM	12/15/09 10:46
7	5M54329.	CAL BNA@160PPM	12/15/09 10:24	8	5M54328.	CAL BNA@196PPM	12/15/09 10:02

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	LinF	1.8209	0.8570	1.6344	1.5174	1.8011	1.8614	2.0078	2.0523	-----	1.69	2.23	0.997	1.00	23		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	LinF	1.0333	0.7213	0.8451	0.9090	1.0304	1.0794	1.1645	1.1643	-----	0.993	2.19	0.998	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	LinF	1.4718	0.9634	1.0762	1.2220	1.5350	1.6068	1.6980	1.7463	-----	1.41	4.05	0.995	0.999	21		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Avg	1.6673	1.5730	1.6481	1.6837	1.7333	1.2434	-----	-----	-----	1.59	4.92	0.973	0.991	11		50.00	2.00	10.00	20.00	80.00	120.0			
Aniline	1	0	LinF	2.4966	1.7869	1.8641	2.3318	2.6010	2.6962	2.7882	2.8445	-----	2.43	5.02	0.997	1.00	17		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.6743	0.8164	0.6802	0.6892	0.7023	0.7085	0.7123	0.7217	-----	0.713	5.05	1.00	1.00	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.5269	1.5634	1.6472	1.6707	1.5059	1.5562	1.5435	1.5892	-----	1.58	5.09	0.999	1.00	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	2.1210	1.9621	2.0185	2.0727	2.2892	2.3170	2.4627	2.5532	-----	2.22	5.02	0.997	1.00	9.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	2.1982	2.4037	2.2763	2.3777	2.3576	2.5486	2.6814	2.6729	-----	2.44	5.03	0.997	0.999	7.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.3845	1.5563	1.4196	1.3980	1.4454	1.4646	1.5266	1.5094	-----	1.46	5.13	0.999	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	2.4086	3.3349	2.6458	2.5995	2.5313	2.4524	2.4443	2.3854	-----	2.60	5.18	0.999	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,3-Dichlorobenzene	1	0	Avg	1.4643	1.7529	1.5106	1.4197	1.4823	1.4715	1.4863	1.5162	-----	1.51	5.26	1.00	1.00	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dichlorobenzene	1	0	Avg	1.4787	1.8838	1.5624	1.5322	1.5207	1.5426	1.5392	1.5473	-----	1.58	5.33	1.00	1.00	8.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Dichlorobenzene	1	0	Avg	1.3566	1.7128	1.4592	1.3783	1.4325	1.4446	1.4564	1.4828	-----	1.47	5.45	0.999	1.00	7.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.9769	0.6861	0.9062	0.9758	1.0509	1.0733	1.0979	1.1294	-----	0.987	5.44	0.999	1.00	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	2.1430	2.9446	2.4411	2.2795	2.1797	2.1412	2.1544	2.0788	-----	2.30	5.55	0.999	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.3586	1.7840	1.3913	1.3682	1.4580	1.4595	1.5171	1.5147	-----	1.48	5.55	0.999	1.00	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acetophenone	1	0	Avg	2.4346	2.8585	2.6298	2.5412	2.5794	2.6423	2.7634	2.7656	-----	2.65	5.65	0.999	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6160	0.7476	0.6546	0.6170	0.6366	0.6384	0.6574	0.6462	-----	0.652	5.73	1.00	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.2765	1.5515	1.3992	1.3202	1.3751	1.4019	1.3941	1.4005	-----	1.39	5.66	1.00	1.00	5.7	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.4220	1.3477	1.3887	1.4595	1.4741	1.4782	1.4903	1.5262	-----	1.45	5.67	1.00	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Nitrobenzene-d5	1	0	Avg	0.1663	0.1174	0.1610	0.1714	0.1637	0.1754	0.1780	0.1811	-----	0.164	5.78	0.999	1.00	12		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.5218	0.6287	0.5248	0.5122	0.5001	0.5158	0.5091	0.5297	-----	0.530	5.79	0.999	1.00	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.8907	0.9474	0.8562	0.8858	0.9126	0.9243	0.9389	0.9452	-----	0.913	5.98	1.00	1.00	3.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1927	0.1616	0.1676	0.1898	0.1919	0.1986	0.2119	0.2108	-----	0.191	6.04	0.998	0.999	9.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dimethylphenol	1	0	Avg	0.4461	0.4461	0.4085	0.4335	0.4465	0.4507	0.4607	0.4627	-----	0.444	6.09	1.00	1.00	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.2459	-----	0.1349	0.2181	0.2917	0.3315	0.3498	0.3385	-----	0.273	6.18	0.995	0.997	29		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)me	1	0	Avg	0.4791	0.5455	0.4650	0.4909	0.4722	0.4940	0.5033	0.4954	-----	0.493	6.15	0.999	1.00	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dichlorophenol	1	0	Avg	0.2875	0.2817	0.2613	0.2951	0.2960	0.3089	0.3176	0.3149	-----	0.295	6.23	0.999	1.00	6.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4-Trichlorobenzene	1	0	Avg	0.3274	0.3705	0.3119	0.3304	0.3372	0.3344	0.3413	0.3515	-----	0.338	6.29	0.999	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0438	1.3448	1.0223	1.0384	1.0471	1.0740	1.0907	1.0759	-----	1.09	6.35	1.00	1.00	9.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloroaniline	1	0	Avg	0.4185	0.3109	0.2842	0.3887	0.3891	0.3848	0.3374	0.3157	-----	0.354	6.40	0.983	0.999	14		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1903	0.2068	0.1824	0.1848	0.1867	0.1939	0.1949	0.2002	-----	0.193	6.44	0.999	1.00	4.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Qua	0.1388	0.0782	0.1017	0.1282	0.1368	0.1565	0.1602	-----	-----	0.129	6.67	0.996	0.999	23		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
4-Chloro-3-methylphen	1	0	Avg	0.3790	0.3624	0.3322	0.3706	0.3820	0.4127	0.4184	0.4020	-----	0.382	6.76	0.999	0.999	7.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7002	0.7727	0.6330	0.6895	0.7082	0.7248	0.7602	0.7417	-----	0.716	6.87	0.999	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7002	0.7727	0.6330	0.6895	0.7082	0.7248	0.7602	0.7417	-----	0.716	6.87	0.999	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,1'-Biphenyl	1	0	Avg	1.0076	1.1381	0.9643	1.0044	1.0039	1.0615	1.0788	1.1039	-----	1.05	7.23	0.999	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4,5-Tetrachloroben	1	0	Avg	0.6624	0.8478	0.6726	0.6739	0.6764	0.6827	0.6740	0.6924	-----	0.698	7.00	1.00	1.00	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.2146	-----	0.1236	0.1813	0.2550	0.2799	0.2936	0.2994	-----	0.235	6.99	0.995	0.999	28	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Trichlorophenol	1	0	Avg	0.3846	0.2979	0.3324	0.3674	0.3818	0.3835	0.3836	0.3918	-----	0.365	7.09	0.999	0.999	9.0	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.76

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0211

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M54327.	CAL BNA@50PPM	12/15/09 09:37	2	5M54336.	CAL BNA@2PPM	12/15/09 13:41
3	5M54335.	CAL BNA@10PPM	12/15/09 13:07	4	5M54332.	CAL BNA@20PPM	12/15/09 11:31
5	5M54331.	CAL BNA@80PPM	12/15/09 11:09	6	5M54330.	CAL BNA@120PPM	12/15/09 10:46
7	5M54329.	CAL BNA@160PPM	12/15/09 10:24	8	5M54328.	CAL BNA@196PPM	12/15/09 10:02

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.5-Trichlorophenol	1	0	Avg	0.4046	0.3571	0.3631	0.3901	0.4049	0.4008	0.4136	0.4073	-----	0.393	7.12	1.00	1.00	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3319	1.5847	1.2922	1.2921	1.3476	1.2772	1.2695	1.2881	-----	1.34	7.15	0.999	0.999	7.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1523	1.3908	1.1298	1.1569	1.1670	1.1513	1.1466	1.1376	-----	1.18	7.24	1.00	1.00	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	1.1878	1.4385	1.1237	1.1835	1.1893	1.2112	1.2241	1.2200	-----	1.22	7.51	1.00	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	1.1878	1.4385	1.1237	1.1835	1.1893	1.2112	1.2241	1.2200	-----	1.22	7.51	1.00	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.9291	1.1779	0.9221	0.9418	0.9236	0.9499	0.9028	0.9535	-----	0.963	7.31	0.999	0.999	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.6438	0.4888	0.4610	0.6583	0.6553	0.5005	0.5010	0.5039	-----	0.552	7.33	0.984	0.990	15		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.8015	1.9700	1.7487	1.8150	1.8099	1.8064	1.8410	1.8645	-----	1.83	7.58	1.00	1.00	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3956	1.5750	1.3583	1.4032	1.3877	1.4433	1.4333	1.4067	-----	1.43	7.47	1.00	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.3100	0.3295	0.2930	0.3151	0.3092	0.3091	0.3004	0.2937	-----	0.308	7.53	0.999	1.00	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.0992	1.3393	1.0879	1.0847	1.1221	1.1372	1.1724	1.1900	-----	1.15	7.73	0.999	1.00	7.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3245	0.2354	0.2642	0.3094	0.3076	0.3127	0.2852	0.2837	-----	0.290	7.67	0.996	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1343	-----	0.0524	0.1084	0.1485	0.1699	0.1846	0.1896	-----	0.141	7.77	0.994	1.00	34	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.6799	2.0051	1.6125	1.6747	1.6551	1.7198	1.7400	1.7390	-----	1.73	7.88	1.00	1.00	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrotoluene	1	0	Avg	0.4180	0.3266	0.4002	0.4186	0.4283	0.4510	0.4661	0.4592	-----	0.421	7.88	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Qua	0.3225	0.0858	0.2147	0.2886	0.3401	0.3538	0.3755	0.3709	-----	0.294	7.82	0.997	0.999	34	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Avg	0.3197	0.2383	0.2615	0.2842	0.3110	0.3192	0.3336	0.3295	-----	0.300	7.99	0.999	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.3915	1.5699	1.3246	1.3684	1.4321	1.4497	1.5199	1.5118	-----	1.45	8.19	0.999	1.00	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.6685	0.7199	0.6192	0.6413	0.6777	0.6904	0.7339	0.7356	-----	0.686	8.19	0.998	1.00	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.4236	1.5691	1.3639	1.3861	1.4359	1.4295	1.4490	1.4807	-----	1.44	8.08	1.00	1.00	4.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	LinF	0.3318	0.2005	0.2674	0.3176	0.3258	0.3418	0.3435	0.3319	-----	0.308	8.22	0.999	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.4559	0.4255	0.4255	0.4574	0.4672	0.4994	0.5174	0.5077	-----	0.470	8.83	0.999	0.999	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.1495	-----	0.0883	0.1176	0.1436	0.1454	0.1568	0.1634	-----	0.138	8.25	0.997	0.999	19		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.6927	0.7775	0.6793	0.6558	0.6549	0.6699	0.7026	0.7431	-----	0.697	8.30	0.996	0.999	6.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Qua	0.0827	0.0510	0.0752	0.0738	0.0831	0.0801	0.0864	0.0910	-----	0.0780	8.42	0.996	0.999	16		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	1.1536	1.2859	1.1283	1.0958	1.0620	1.0489	1.0642	1.1161	-----	1.12	8.34	0.998	0.999	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.2172	0.2398	0.2156	0.1972	0.2119	0.2156	0.2313	0.2439	-----	0.222	8.66	0.995	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.2081	0.2492	0.1938	0.1952	0.2033	0.2001	0.2099	0.2249	-----	0.211	8.72	0.996	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.9153	1.0199	0.9053	0.8871	0.8935	0.8796	0.9003	0.9199	-----	0.915	9.01	0.999	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.1172	-----	0.0594	0.0873	0.1115	0.1251	0.1300	0.1388	-----	0.110	8.92	0.995	0.999	25	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1547	1.3528	1.1504	1.1285	1.1364	1.1680	1.2132	1.2453	-----	1.19	9.14	0.998	1.00	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.1607	1.2921	1.1328	1.1488	1.1510	1.1726	1.2123	1.2664	-----	1.19	9.19	0.998	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1709	1.2510	1.0992	1.1109	1.1689	1.1614	1.2032	1.2752	-----	1.18	9.37	0.997	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4869	1.3369	1.3382	1.3701	1.5026	1.5189	1.5777	1.6378	-----	1.47	9.77	0.998	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.3763	1.3916	1.2759	1.3643	1.4065	1.4397	1.4950	1.5409	-----	1.41	10.45	0.998	1.00	5.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.6552	1.8908	1.5546	1.5817	1.6582	1.6949	1.7936	1.7770	-----	1.70	10.71	0.999	1.00	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.5770	-----	0.2668	0.4824	0.5904	0.4137	0.3200	-----	-----	0.442	10.62	0.835	0.990	30		50.00		10.00	20.00	80.00	120.0	160.0		
Terphenyl-d14	1	0	Avg	1.0385	1.1251	0.9719	1.0056	1.0596	1.0310	1.0827	1.1017	-----	1.05	10.91	0.999	1.00	4.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4.4'-DDE	1	0	Avg	0.3434	0.3644	0.3165	0.3255	0.3461	0.3597	0.3734	0.3797	-----	0.351	10.85	0.999	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin	1	0	Avg	0.1073	0.1019	0.0978	0.1015	0.1033	0.1049	0.1128	0.1133	-----	0.105	11.15	0.998	0.999	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.4'-DDD	1	0	Avg	0.5721	0.5712	0.5443	0.5564	0.5936	0.5775	0.6274	0.6207	-----	0.583	11.25	0.998	0.999	5.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.76

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8270C

Form 6
Initial Calibration

Instrument: GCMS_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5M54327.	CAL BNA@50PPM	12/15/09 09:37	2	5M54336.	CAL BNA@2PPM	12/15/09 13:41
3	5M54335.	CAL BNA@10PPM	12/15/09 13:07	4	5M54332.	CAL BNA@20PPM	12/15/09 11:31
5	5M54331.	CAL BNA@80PPM	12/15/09 11:09	6	5M54330.	CAL BNA@120PPM	12/15/09 10:46
7	5M54329.	CAL BNA@160PPM	12/15/09 10:24	8	5M54328.	CAL BNA@196PPM	12/15/09 10:02

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.7213	0.6324	0.6317	0.6994	0.7752	0.7846	0.8285	0.8021	-----	0.734	11.51	0.999	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin aldehyde	1	0	Avg	0.0534	0.0544	0.0522	0.0506	0.0509	0.0510	0.0528	0.0530	-----	0.0523	11.15	0.999	1.00	2.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.5117	0.4118	0.4763	0.4803	0.5289	0.5426	0.5756	0.5773	-----	0.513	11.60	0.998	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin ketone	1	0	Avg	0.0585	0.0509	0.0474	0.0540	0.0583	0.0595	0.0636	0.0630	-----	0.0570	12.06	0.999	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.4582	0.3251	0.3730	0.4030	0.4385	0.3957	0.3710	0.3433	-----	0.389	12.12	0.986	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.4862	1.7221	1.4833	1.4783	1.5388	1.5222	1.5772	1.5811	-----	1.55	12.13	1.00	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.3903	1.6873	1.3732	1.3583	1.3871	1.3606	1.4410	1.4527	-----	1.43	12.18	0.999	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.9657	0.8359	0.8342	0.9469	1.0122	0.9707	1.0439	1.0237	-----	0.954	12.22	0.999	0.999	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Qua	1.6659	1.0696	1.3224	1.5151	1.7852	1.8919	1.9632	2.0467	-----	1.66	12.97	0.997	1.00	20	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.3534	1.3209	1.2419	1.2461	1.3075	1.4154	1.4919	1.5969	-----	1.37	13.35	0.994	1.00	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.2983	1.4616	1.2043	1.2292	1.3359	1.3131	1.3562	1.3127	-----	1.31	13.38	0.999	0.999	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.2650	1.2933	1.1762	1.2012	1.2919	1.3270	1.3557	1.3947	-----	1.29	13.68	0.999	1.00	5.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.3236	1.2840	1.1520	1.2046	1.3182	1.3366	1.3705	1.3999	-----	1.30	14.86	0.999	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	1.0763	1.0700	0.9582	1.0190	1.0804	1.0977	1.1340	1.1443	-----	1.07	14.87	0.999	1.00	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	1.0822	1.1373	0.9742	1.0320	1.0575	1.0487	1.0997	1.1091	-----	1.07	15.16	0.999	1.00	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria * - ccc compound
b - failed the ccc criteria ** - spcc compound
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.76
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_1215.M
Data File: 5M54327.D Sam Mult : 1 Vial# : 2 Qt On : 12/15/09 10:16
Acq On : 12/15/09 09:37 Misc : A,BNA Qt Upd On: 12/15/09 10:13

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.311	152	28218	40.00	ng	-0.12
23) Naphthalene-d8	6.336	136	101711	40.00	ng	-0.11
41) Acenaphthene-d10	7.699	164	59094	40.00	ng	-0.13
67) Phenanthrene-d10	9.114	188	97500	40.00	ng	-0.14
81) Chrysene-d12	12.143	240	88589	40.00	ng	-0.15
96) Perylene-d12	13.741	264	90391	40.00	ng	-0.15
System Monitoring Compounds						
4) 2-Fluorophenol	4.050	112	51917	48.53	ng	-0.13
Spiked Amount 100.000			Recovery = 48.53%			
9) Phenol-d5	5.017	99	74815	45.93	ng	-0.11
Spiked Amount 100.000			Recovery = 45.93%			
24) Nitrobenzene-d5	5.776	128	10577	24.05	ng	-0.11
Spiked Amount 50.000			Recovery = 48.10%			
46) 2-Fluorobiphenyl	7.149	172	49194	24.99	ng	-0.12
Spiked Amount 50.000			Recovery = 49.98%			
70) 2,4,6-Tribromophenol	8.420	330	10082	56.04	ng	-0.13
Spiked Amount 100.000			Recovery = 56.04%			
84) Terphenyl-d14	10.909	244	57504	24.84	ng	-0.14
Spiked Amount 50.000			Recovery = 49.68%			
Target Compounds						Qvalue
2) Pyridine	2.234	79	64231	48.95	ng	79
3) N-Nitrosodimethylamine	2.186	74	36450	48.06	ng	80
5) Benzaldehyde	4.921	77	58810	52.77	ng	96
6) Aniline	5.022	93	88063	47.29	ng	89
7) Pentachloroethane	5.054	117	23785	47.91	ng	82
8) bis(2-Chloroethyl)ether	5.092	93	53859	44.99	ng	97
10) Phenol	5.028	94	77538	44.96	ng	60
11) 2-Chlorophenol	5.129	128	48837	46.81	ng	95
12) N-Decane	5.183	57	84960	44.21	ng	97
13) 1,3-Dichlorobenzene	5.257	146	51651	48.21	ng	97
14) 1,4-Dichlorobenzene	5.327	146	52159	46.30	ng	100
15) 1,2-Dichlorobenzene	5.450	146	47854	46.56	ng	99
16) Benzyl alcohol	5.439	108	34458	46.92	ng	94
17) bis(2-chloroisopropyl)...	5.551	45	75589	43.48	ng	93
18) 2-Methylphenol	5.546	108	47922	45.85	ng	97
19) Acetophenone	5.653	105	85877	46.98	ng	78
20) Hexachloroethane	5.727	117	21731	47.62	ng	85
21) N-Nitroso-di-n-propyla...	5.658	70	45027	47.46	ng	74
22) 3&4-Methylphenol	5.674	108	50158	48.41	ng	98
25) Nitrobenzene	5.792	77	66352	50.65	ng	95
26) Isophorone	5.984	82	113242	48.95	ng	98
27) 2-Nitrophenol	6.043	139	24509	51.08	ng	76
28) 2,4-Dimethylphenol	6.085	107	56725	51.24	ng	88
29) Benzoic Acid	6.176	105	31272m	49.34	ng	
30) bis(2-Chloroethoxy)met...	6.155	93	60924	46.25	ng	98
31) 2,4-Dichlorophenol	6.235	162	36555	48.94	ng	93
32) 1,2,4-Trichlorobenzene	6.294	180	41626	49.06	ng	98
33) Naphthalene	6.353	128	132718	48.23	ng	99
34) 4-Chloroaniline	6.401	127	53211	52.90	ng	98
35) Hexachlorobutadiene	6.443	225	24204	52.57	ng	98
36) Caprolactam	6.668	113	17656	49.51	ng	72
37) 4-Chloro-3-methylphenol	6.764	107	48191	50.50	ng	96
38) 2-Methylnaphthalene	6.871	142	89028	48.81	ng	99
39) Methylnaphthalenes (To...	6.871	142	89028	48.81	ng	99
40) 1,1'-Biphenyl	7.229	154	128111	49.84	ng	97
42) 1,2,4,5-Tetrachloroben...	6.999	216	48932	50.96	ng	97
43) Hexachlorocyclopentadiene	6.988	237	15858	49.33	ng	95
44) 2,4,6-Trichlorophenol	7.090	196	28410	53.76	ng	99
45) 2,4,5-Trichlorophenol	7.122	196	29887	52.14	ng	99
47) 2-Chloronaphthalene	7.245	162	85123	49.30	ng	96
48) 1,4-Dimethylnaphthalene	7.512	156	87741	51.32	ng	98
49) Dimethylnaphthalenes (...	7.512	156	87741	51.32	ng	98
50) Diphenyl Ether	7.309	170	68636	49.42	ng	92
51) 2-Nitroaniline	7.330	65	47562	55.44	ng	91
52) Acenaphthylene	7.581	152	133073	49.84	ng	99
53) Dimethylphthalate	7.474	163	103096	51.12	ng	99
54) 2,6-Dinitrotoluene	7.528	165	22901	53.53	ng	78
55) Acenaphthene	7.731	153	81196	48.60	ng	98
56) 3-Nitroaniline	7.672	138	23970	52.66	ng	34
57) 2,4-Dinitrophenol	7.768	184	9923	50.08	ng	67
58) Dibenzofuran	7.880	168	124090	50.79	ng	91
59) 2,4-Dinitrotoluene	7.875	165	30877	50.79	ng	92

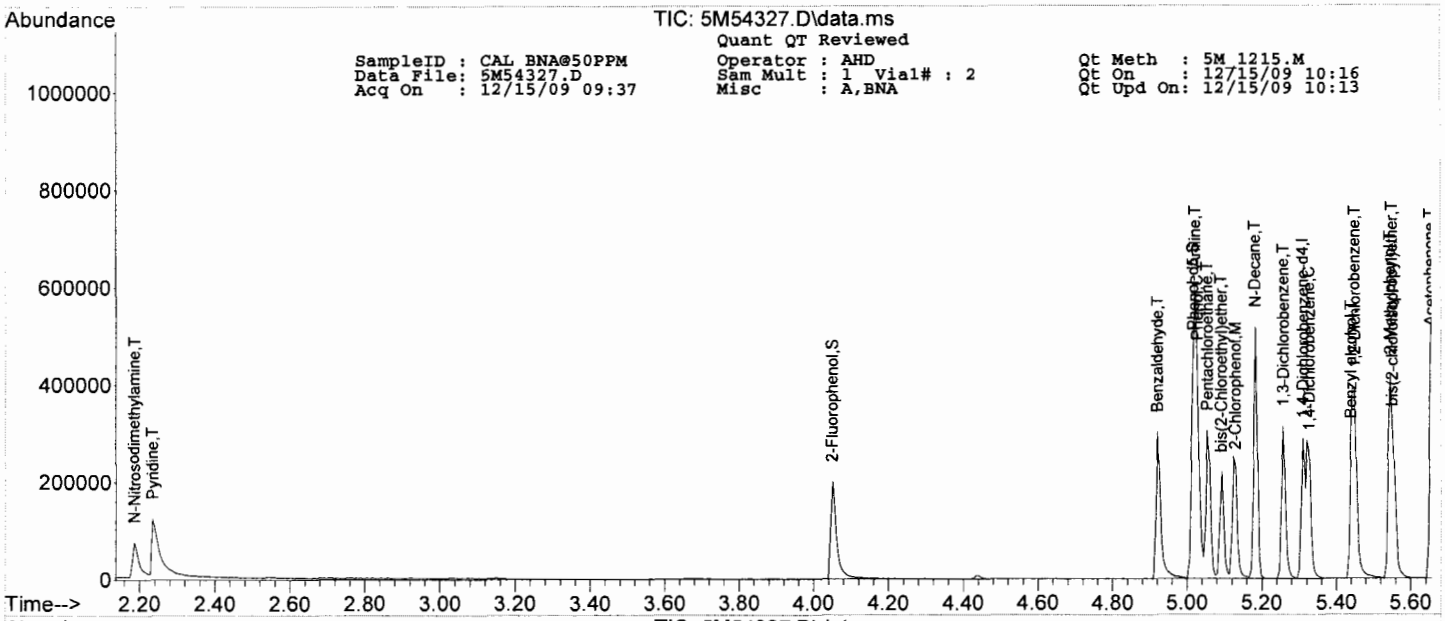
Quantitation Report (QT Reviewed)

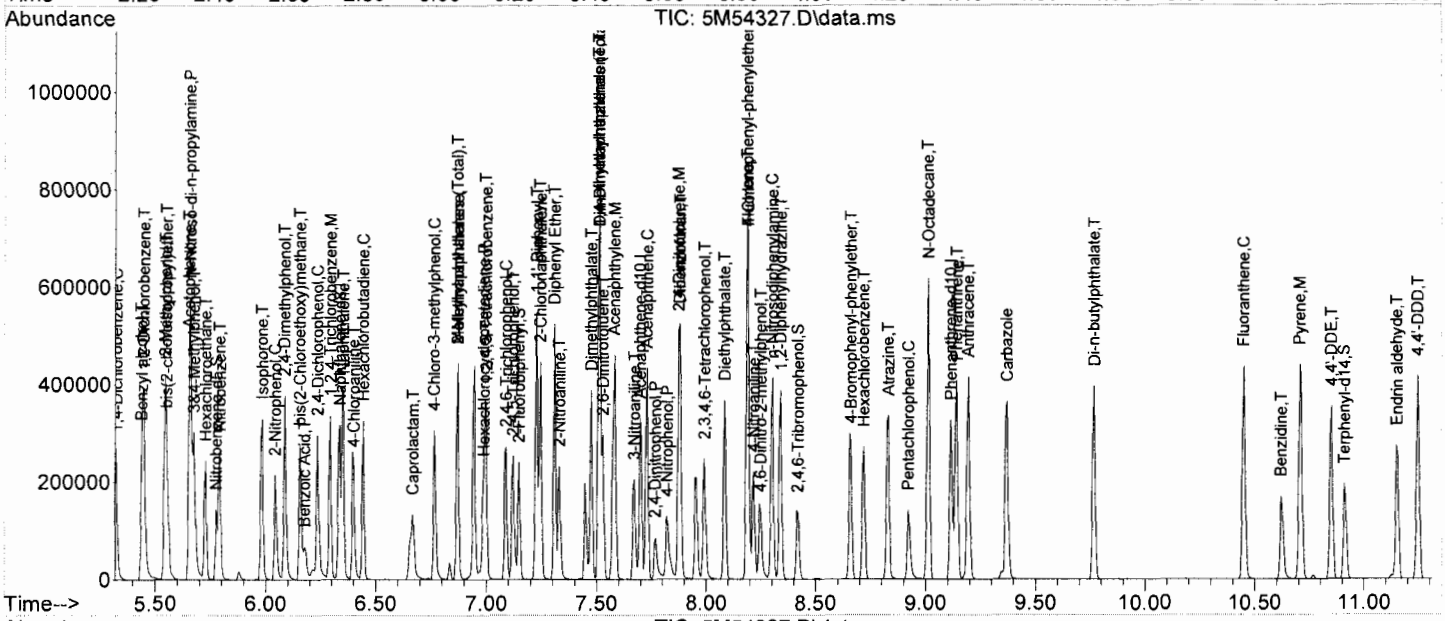
SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_1215.M
Data File: 5M54327.D Sam Mult : 1 Vial# : 2 Qt On : 12/15/09 10:16
Acq On : 12/15/09 09:37 Misc : A,BNA Qt Upd On: 12/15/09 10:13

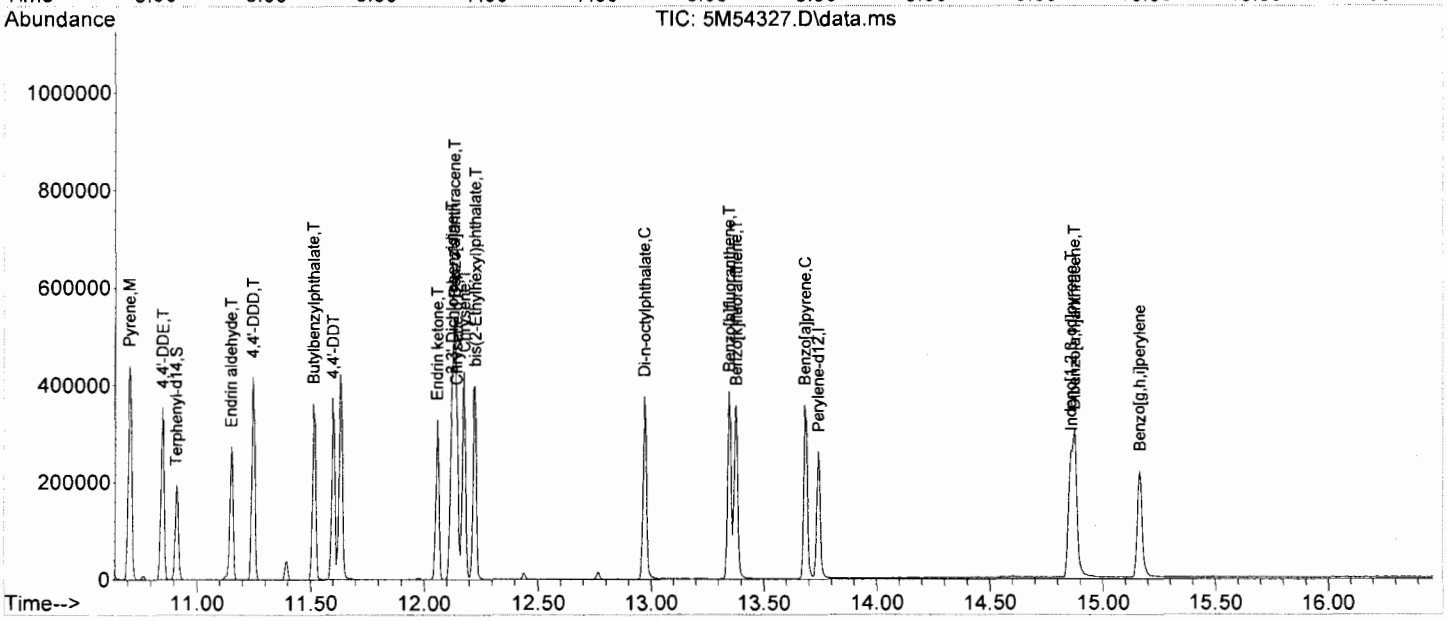
Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
60) 4-Nitrophenol	7.822	65	23822	53.11 ng	95
61) 2,3,4,6-Tetrachlorophenol	7.993	232	23620	54.04 ng	89
62) Fluorene	8.190	166	102792	50.11 ng	98
63) 4-Chlorophenyl-phenyle...	8.190	204	49383	50.99 ng	87
64) Diethylphthalate	8.083	149	105163	50.82 ng	99
65) 4-Nitroaniline	8.217	138	24515m	48.16 ng	
66) Atrazine	8.831	200	33676	51.63 ng	99
68) 4,6-Dinitro-2-methylph...	8.249	198	18220	54.92 ng	45
69) n-Nitrosodiphenylamine	8.302	169	84434	50.61 ng	99
71) 1,2-Diphenylhydrazine	8.340	77	140602	54.24 ng	96
72) 4-Bromophenyl-phenylether	8.660	248	26474	52.17 ng	94
73) Hexachlorobenzene	8.719	284	25364	53.95 ng	80
74) N-Octadecane	9.013	57	111552	49.27 ng	91
75) Pentachlorophenol	8.922	266	14287	54.08 ng	99
76) Phenanthrene	9.141	178	140736	49.30 ng	99
77) Anthracene	9.195	178	141466	50.45 ng	99
78) Carbazole	9.371	167	142711	49.94 ng	97
79) Di-n-butylphthalate	9.766	149	181216	52.41 ng	99
80) Fluoranthene	10.450	202	167736	50.02 ng	93
82) Pyrene	10.706	202	183301	49.07 ng	91
83) Benzidine	10.621	184	63904	56.85 ng	92
85) 4,4'-DDE	10.851	246	38034	52.19 ng	89
86) Endrin	11.150	81	11891	55.70 ng	81
87) 4,4'-DDD	11.246	235	63355	51.70 ng	85
88) Butylbenzylphthalate	11.513	149	79884	48.62 ng	92
89) Endrin aldehyde	11.150	67	5922	51.82 ng	59
90) 4,4'-DDT	11.599	235	56664	51.13 ng	92
91) Endrin ketone	12.058	317	6485	51.47 ng	98
92) 3,3'-Dichlorobenzidine	12.122	252	50749	56.45 ng	95
93) Benzo[a]anthracene	12.133	228	164580	48.93 ng	99
94) Chrysene	12.176	228	153962	49.09 ng	97
95) bis(2-Ethylhexyl)phtha...	12.224	149	106945	50.83 ng	96
97) Di-n-octylphthalate	12.972	149	188228	50.62 ng	100
98) Benzo[b]fluoranthene	13.345	252	152924	50.72 ng	94
99) Benzo[k]fluoranthene	13.378	252	146693	49.80 ng	92
100) Benzo[a]pyrene	13.682	252	142940	50.47 ng	93
101) Indeno[1,2,3-cd]pyrene	14.857	276	149553	51.10 ng	84
102) Dibenzo[a,h]anthracene	14.873	278	121619	49.94 ng	91
103) Benzo[g,h,i]perylene	15.162	276	122285	50.08 ng	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 5M54327.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M54327.D
Acq On : 12/15/09 09:37
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_1215.M
Qt On : 12715/09 10:16
Qt Upd On: 12/15/09 10:13
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 5M54327.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
4,4'-DDE,T
Endrin aldehyde,T
4,4'-DDD,T
Time-->


Abundance
TIC: 5M54327.D\data.ms
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Endrin ketone,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

Sample ID : CAL BNA@2PPM
Data File: 5M54336.D
Acq On : 12/15/09 13:41

Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA

Qt Meth : 5M_1215.M
Qt On : 12/15/09 13:59
Qt Upd On: 12/15/09 13:35

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.311	152	33464	40.00	ng	0.00
23) Naphthalene-d8	6.331	136	133219	40.00	ng	0.00
41) Acenaphthene-d10	7.699	164	74587	40.00	ng	0.00
67) Phenanthrene-d10	9.114	188	122185	40.00	ng	0.00
81) Chrysene-d12	12.144	240	107900	40.00	ng	0.00
96) Perylene-d12	13.741	264	108970	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.119	112	1612m	1.18	ng	0.07
Spiked Amount 100.000			Recovery = 1.18%			
9) Phenol-d5	5.033	99	3283	1.75	ng	0.02
Spiked Amount 100.000			Recovery = 1.75%			
24) Nitrobenzene-d5	5.792	128	391	0.71	ng	0.02
Spiked Amount 50.000			Recovery = 1.42%			
46) 2-Fluorobiphenyl	7.149	172	2955	1.19	ng	0.00
Spiked Amount 50.000			Recovery = 2.38%			
70) 2,4,6-Tribromophenol	8.425	330	312	1.40	ng	0.00
Spiked Amount 100.000			Recovery = 1.40%			
84) Terphenyl-d14	10.915	244	3035	1.07	ng	0.00
Spiked Amount 50.000			Recovery = 2.14%			
Target Compounds						Qvalue
2) Pyridine	2.383	79	1434m	0.89	ng	
3) N-Nitrosodimethylamine	2.266	74	1207m	1.27	ng	
5) Benzaldehyde	4.947	77	2632m	2.00	ng	
6) Aniline	5.044	93	2990	1.32	ng	85
7) Pentachloroethane	5.060	117	1366	2.28	ng	88
8) bis(2-Chloroethyl)ether	5.102	93	2616	1.93	ng	93
10) Phenol	5.044	94	4022	1.95	ng	54
11) 2-Chlorophenol	5.140	128	2604	2.18	ng	96
12) N-Decane	5.183	57	5580	2.58	ng	85
13) 1,3-Dichlorobenzene	5.268	146	2933	2.34	ng	92
14) 1,4-Dichlorobenzene	5.327	146	3152	2.37	ng	94
15) 1,2-Dichlorobenzene	5.455	146	2866	2.33	ng	96
16) Benzyl alcohol	5.466	108	1148	1.36	ng	74
17) bis(2-chloroisopropyl)...	5.557	45	4927	2.56	ng	86
18) 2-Methylphenol	5.557	108	2985	2.44	ng	79
19) Acetophenone	5.669	105	4783	2.15	ng	77
20) Hexachloroethane	5.727	117	1251	2.29	ng	73
21) N-Nitroso-di-n-propyla...	5.663	70	2596	2.23	ng	71
22) 3&4-Methylphenol	5.701	108	2255	1.91	ng	93
25) Nitrobenzene	5.802	77	4188	2.39	ng	93
26) Isophorone	5.984	82	6311	2.10	ng	98
27) 2-Nitrophenol	6.059	139	1077	1.70	ng	60
28) 2,4-Dimethylphenol	6.096	107	2972	2.01	ng	88
29) Benzoic Acid	6.336	105	306	0.40	ng	25
30) bis(2-Chloroethoxy)met...	6.160	93	3634	2.22	ng	97
31) 2,4-Dichlorophenol	6.251	162	1877	1.90	ng	90
32) 1,2,4-Trichlorobenzene	6.294	180	2468	2.20	ng	89
33) Naphthalene	6.353	128	8958	2.48	ng	98
34) 4-Chloroaniline	6.411	127	2071	1.78	ng	89
35) Hexachlorobutadiene	6.443	225	1378	2.16	ng	82
36) Caprolactam	6.646	113	521	1.26	ng	47
37) 4-Chloro-3-methylphenol	6.775	107	2414	1.90	ng	89
38) 2-Methylnaphthalene	6.871	142	5147	2.15	ng	94
39) Methylnaphthalenes (To...	6.871	142	5147	2.15	ng	94
40) 1,1'-Biphenyl	7.229	154	7581	2.17	ng	97
42) 1,2,4,5-Tetrachloroben...	6.999	216	3162	2.42	ng	98
43) Hexachlorocyclopentadiene	6.988	237	160	0.44	ng	91
44) 2,4,6-Trichlorophenol	7.095	196	1111	1.60	ng	88
45) 2,4,5-Trichlorophenol	7.132	196	1332	1.82	ng	79
47) 2-Chloronaphthalene	7.250	162	5187	2.37	ng	91
48) 1,4-Dimethylnaphthalene	7.512	156	5365	2.37	ng	98
49) Dimethylnaphthalenes (...	7.512	156	5365	2.37	ng	98
50) Diphenyl Ether	7.309	170	4393	2.49	ng	87
51) 2-Nitroaniline	7.335	65	1823	1.77	ng	86
52) Acenaphthylene	7.581	152	7347	2.12	ng	93
53) Dimethylphthalate	7.474	163	5874	2.19	ng	97
54) 2,6-Dinitrotoluene	7.528	165	1229	2.16	ng	82
55) Acenaphthene	7.731	153	4995	2.29	ng	94
56) 3-Nitroaniline	7.683	138	878	1.62	ng	37
57) 2,4-Dinitrophenol	0.000		0	N.D.		
58) Dibenzofuran	7.880	168	7478	2.33	ng	91
59) 2,4-Dinitrotoluene	7.886	165	1218	1.53	ng	70

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM
Data File: 5M54336.D
Acq On : 12/15/09 13:41

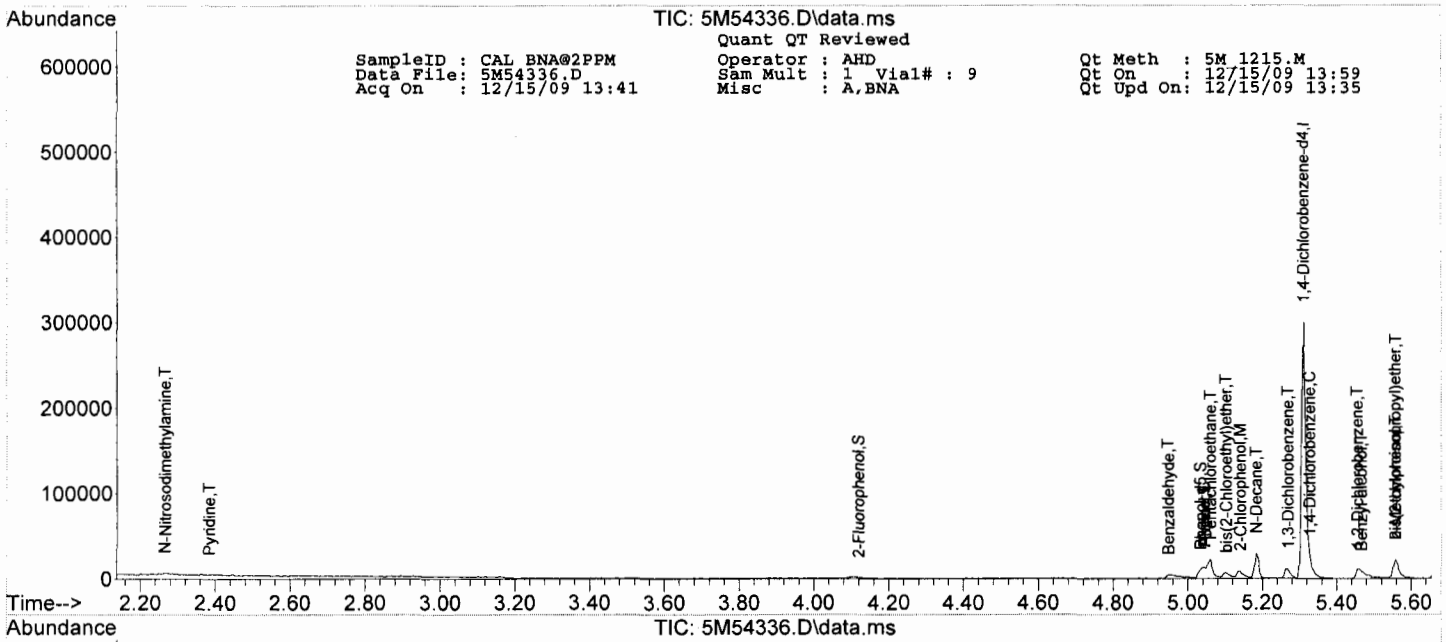
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA

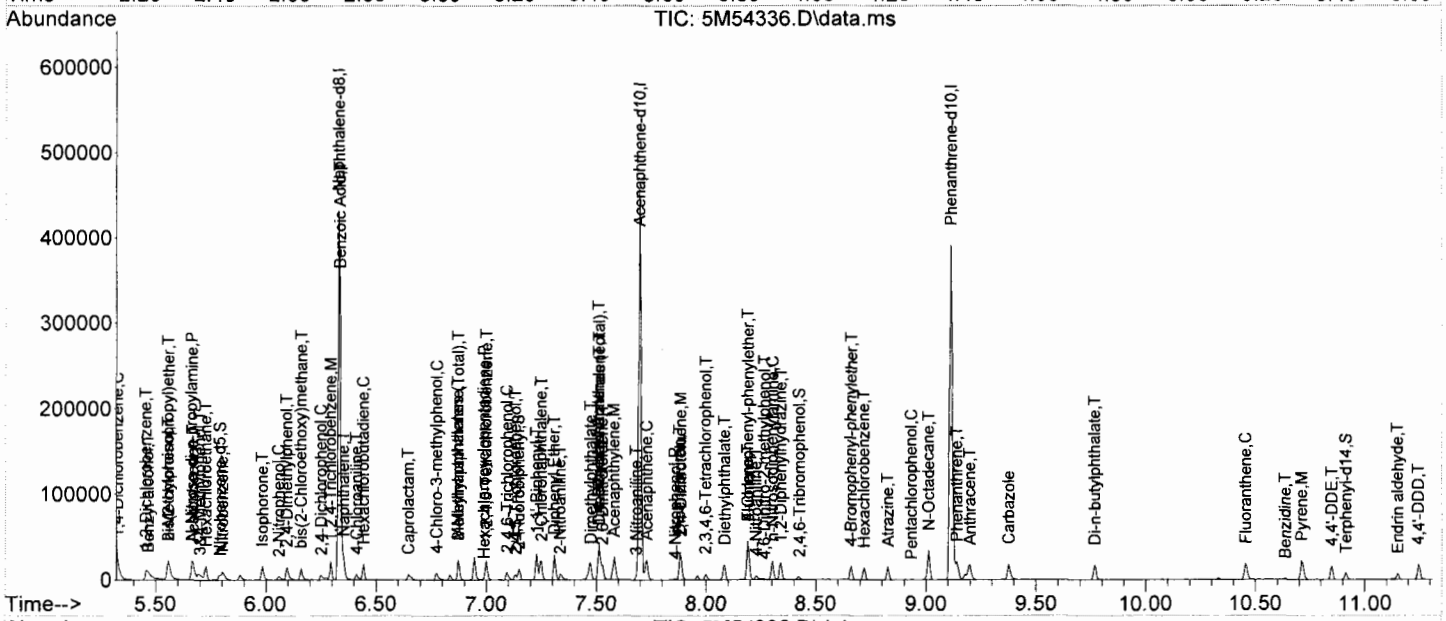
Qt Meth : 5M_1215.M
Qt On : 12/15/09 13:59
Qt Upd On: 12/15/09 13:35

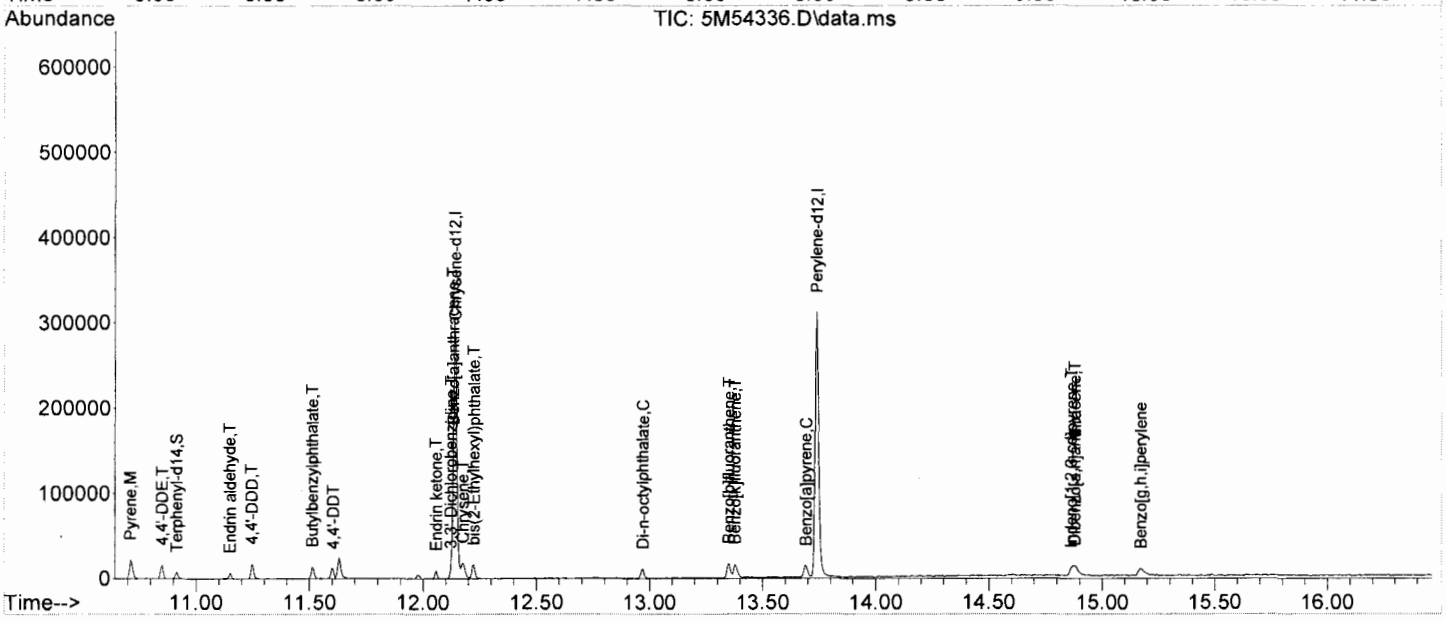
Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
60) 4-Nitrophenol	7.859	65	320	0.54	ng		91
61) 2,3,4,6-Tetrachlorophenol	7.998	232	889	1.56	ng		90
62) Fluorene	8.190	166	5855	2.17	ng		94
63) 4-Chlorophenyl-phenyle...	8.190	204	2685	2.05	ng		97
64) Diethylphthalate	8.083	149	5852	2.16	ng		96
65) 4-Nitroaniline	8.228	138	748	2.63	ng		88
66) Atrazine	8.826	200	1587	1.78	ng		86
68) 4,6-Dinitro-2-methylph...	8.265	198	227	0.58	ng		56
69) n-Nitrosodiphenylamine	8.302	169	4750	2.21	ng		97
71) 1,2-Diphenylhydrazine	8.340	77	7856	2.30	ng		95
72) 4-Bromophenyl-phenylether	8.660	248	1465	2.19	ng		95
73) Hexachlorobenzene	8.719	284	1523	2.37	ng		91
74) N-Octadecane	9.013	57	6231	2.22	ng		93
75) Pentachlorophenol	8.933	266	120	0.40	ng	#	20
76) Phenanthrene	9.141	178	8265	2.26	ng		99
77) Anthracene	9.200	178	7894	2.17	ng		96
78) Carbazole	9.376	167	7643	2.11	ng		94
79) Di-n-butylphthalate	9.766	149	8168	1.81	ng		95
80) Fluoranthene	10.455	202	8502	1.96	ng		90
82) Pyrene	10.712	202	10201	2.24	ng		97
83) Benzidine	10.637	184	1091	1.05	ng		64
85) 4,4'-DDE	10.851	246	1966	2.05	ng		96
86) Endrin	11.150	81	550m	1.93	ng		
87) 4,4'-DDD	11.246	235	3082	1.97	ng		88
88) Butylbenzylphthalate	11.513	149	3412	1.71	ng		90
89) Endrin aldehyde	11.150	67	294m	2.11	ng		
90) 4,4'-DDT	11.604	235	2222	1.60	ng		85
91) Endrin ketone	12.058	317	275m	1.89	ng		
92) 3,3'-Dichlorobenzidine	12.122	252	1754	1.67	ng		93
93) Benzo[a]anthracene	12.133	228	9291	2.23	ng		98
94) Chrysene	12.176	228	9103	2.35	ng		95
95) bis(2-Ethylhexyl)phtha...	12.224	149	4510	1.75	ng		97
97) Di-n-octylphthalate	12.972	149	5828	1.28	ng		94
98) Benzo[b]fluoranthene	13.351	252	7197	1.92	ng		95
99) Benzo[k]fluoranthene	13.378	252	7964	2.23	ng		94
100) Benzo[a]pyrene	13.693	252	7047	2.00	ng		99
101) Indeno[1,2,3-cd]pyrene	14.863	276	6996	1.98	ng		72
102) Dibenzo[a,h]anthracene	14.879	278	5830	1.99	ng		92
103) Benzo[g,h,i]perylene	15.173	276	6197	2.13	ng		85

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 5M54336.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 5M54336.D
Acq On : 12/15/09 13:41
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 5M_1215.M
Qt On : 12/15/09 13:59
Qt Upd On: 12/15/09 13:35
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
1,4-Dichlorobenzene-d4,I
Time-->


Abundance
TIC: 5M54336.D\data.ms
Isophorone,T
Caprolactam,T
4-Chloro-3-methylphenol,C
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
Acenaphthene-d10,I
Phenanthrene-d10,I
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Time-->


Abundance
TIC: 5M54336.D\data.ms
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Endrin ketone,T
Chrysene
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM
Data File: 5M54335.D
Acq On : 12/15/09 13:07

Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA

Qt Meth : 5M_1215.M
Qt On : 12/15/09 13:34
Qt Upd On: 12/15/09 13:01

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.311	152	30777	40.00	ng	0.00
23) Naphthalene-d8	6.331	136	123044	40.00	ng	0.00
41) Acenaphthene-d10	7.699	164	69168	40.00	ng	0.00
67) Phenanthrene-d10	9.114	188	112154	40.00	ng	0.00
81) Chrysene-d12	12.143	240	99472	40.00	ng	0.00
96) Perylene-d12	13.741	264	100500	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.066	112	8281	6.60	ng	0.02
Spiked Amount 100.000			Recovery = 6.60%			
9) Phenol-d5	5.017	99	15531	9.03	ng	0.00
Spiked Amount 100.000			Recovery = 9.03%			
24) Nitrobenzene-d5	5.781	128	2477	4.85	ng	0.00
Spiked Amount 50.000			Recovery = 9.70%			
46) 2-Fluorobiphenyl	7.148	172	11173	4.86	ng	0.00
Spiked Amount 50.000			Recovery = 9.72%			
70) 2,4,6-Tribromophenol	8.420	330	2109	10.20	ng	0.00
Spiked Amount 100.000			Recovery = 10.20%			
84) Terphenyl-d14	10.909	244	12085	4.62	ng	0.00
Spiked Amount 50.000			Recovery = 9.24%			
Target Compounds						Qvalue
2) Pyridine	2.276	79	12576m	8.49	ng	
3) N-Nitrosodimethylamine	2.207	74	6503	7.44	ng	85
5) Benzaldehyde	4.926	77	12681	10.49	ng	94
6) Aniline	5.028	93	14343	6.88	ng	94
7) Pentachloroethane	5.054	117	5234	9.47	ng	83
8) bis(2-Chloroethyl)ether	5.092	93	12674	10.14	ng	93
10) Phenol	5.033	94	17515	9.26	ng	60
11) 2-Chlorophenol	5.129	128	10923	9.93	ng	91
12) N-Decane	5.183	57	20358	10.25	ng	95
13) 1,3-Dichlorobenzene	5.257	146	11623	10.02	ng	97
14) 1,4-Dichlorobenzene	5.327	146	12022	9.85	ng	96
15) 1,2-Dichlorobenzene	5.450	146	11228	9.96	ng	99
16) Benzyl alcohol	5.450	108	6973	8.94	ng	96
17) bis(2-chloroisopropyl)...	5.556	45	18783	10.63	ng	94
18) 2-Methylphenol	5.546	108	10705	9.44	ng	97
19) Acetophenone	5.658	105	20235	9.91	ng	73
20) Hexachloroethane	5.727	117	5037	10.00	ng	85
21) N-Nitroso-di-n-propyla...	5.658	70	10766	10.13	ng	74
22) 3&4-Methylphenol	5.679	108	10685	9.79	ng	97
25) Nitrobenzene	5.792	77	16145	9.97	ng	96
26) Isophorone	5.979	82	26339	9.47	ng	97
27) 2-Nitrophenol	6.048	139	5156	8.75	ng	75
28) 2,4-Dimethylphenol	6.091	107	12568	9.16	ng	91
29) Benzoic Acid	6.165	105	4152m	5.70	ng	
30) bis(2-Chloroethoxy)met...	6.155	93	14306	9.49	ng	99
31) 2,4-Dichlorophenol	6.240	162	8039	8.76	ng	90
32) 1,2,4-Trichlorobenzene	6.294	180	9597	9.19	ng	93
33) Naphthalene	6.352	128	31447	9.36	ng	98
34) 4-Chloroaniline	6.401	127	8745	8.04	ng	96
35) Hexachlorobutadiene	6.443	225	5612	9.41	ng	96
36) Caprolactam	6.646	113	3131	8.06	ng	68
37) 4-Chloro-3-methylphenol	6.764	107	10221	8.65	ng	97
38) 2-Methylnaphthalene	6.871	142	19474	8.69	ng	96
39) Methylnaphthalenes (To...	6.871	142	19474	8.69	ng	96
40) 1,1'-Biphenyl	7.229	154	29663	9.15	ng	96
42) 1,2,4,5-Tetrachloroben...	6.999	216	11631	9.64	ng	94
43) Hexachlorocyclopentadiene	6.983	237	2138	6.28	ng	93
44) 2,4,6-Trichlorophenol	7.090	196	5748	8.94	ng	96
45) 2,4,5-Trichlorophenol	7.122	196	6280	9.26	ng	95
47) 2-Chloronaphthalene	7.245	162	19537	9.63	ng	97
48) 1,4-Dimethylnaphthalene	7.512	156	19431	9.24	ng	97
49) Dimethylnaphthalenes (...	7.512	156	19431	9.24	ng	97
50) Diphenyl Ether	7.309	170	15946	9.71	ng	92
51) 2-Nitroaniline	7.330	65	7973	8.30	ng	92
52) Acenaphthylene	7.581	152	30240	9.38	ng	95
53) Dimethylphthalate	7.469	163	23489	9.42	ng	99
54) 2,6-Dinitrotoluene	7.528	165	5068	9.66	ng	84
55) Acenaphthene	7.725	153	18812	9.34	ng	97
56) 3-Nitroaniline	7.672	138	4570	9.02	ng	30
57) 2,4-Dinitrophenol	7.779	184	907	4.70	ng	67
58) Dibenzofuran	7.880	168	27884	9.39	ng	91
59) 2,4-Dinitrotoluene	7.875	165	6921	9.38	ng	89

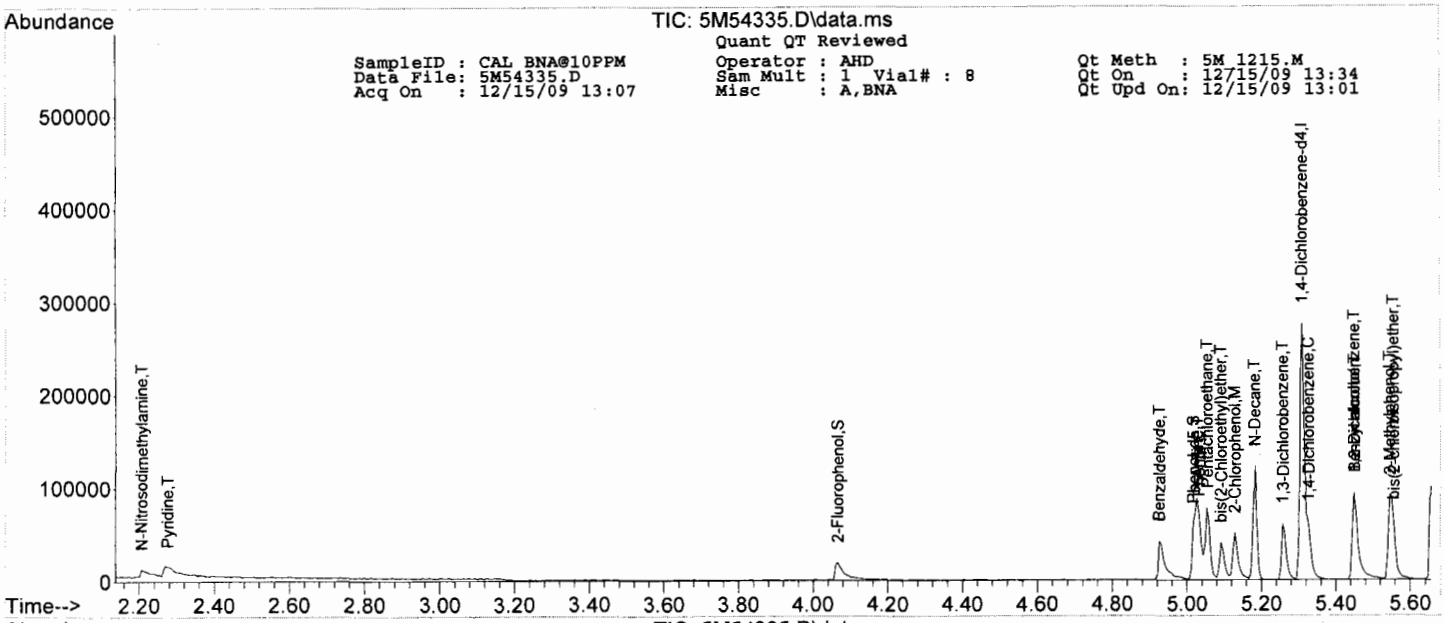
Quantitation Report (QT Reviewed)

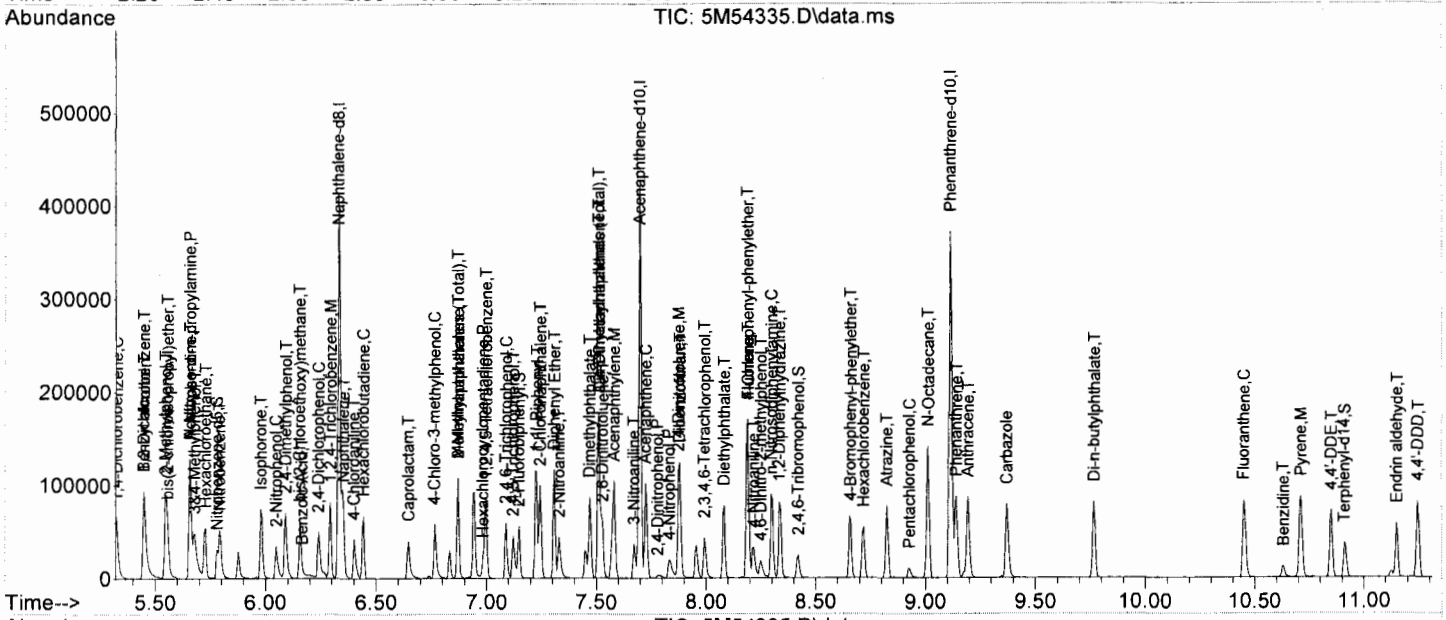
SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 5M_1215.M
Data File: 5M54335.D Sam Mult : 1 Vial# : 8 Qt On : 12/15/09 13:34
Acq On : 12/15/09 13:07 Misc : A,BNA Qt Upd On: 12/15/09 13:01

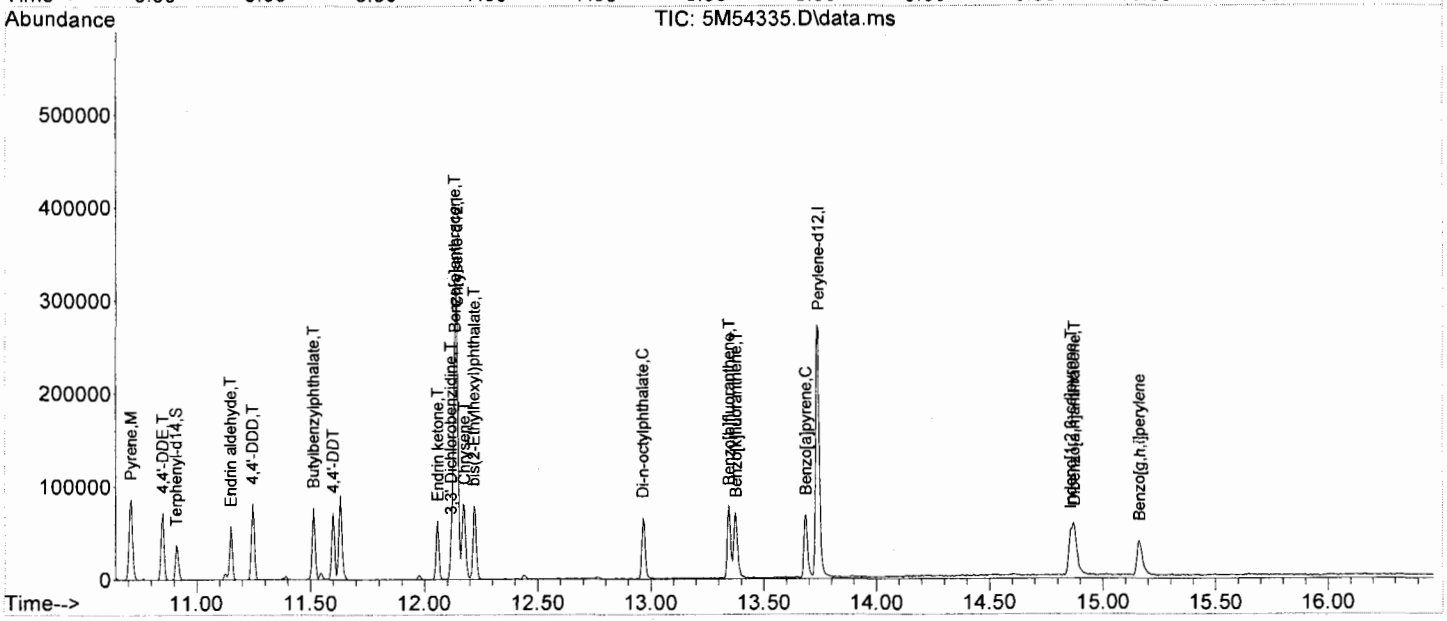
Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	7.832	65	3714	6.71	ng	89
61)	2,3,4,6-Tetrachlorophenol	7.993	232	4523	8.50	ng	88
62)	Fluorene	8.190	166	22905	9.14	ng	96
63)	4-Chlorophenyl-phenyle...	8.190	204	10708	8.76	ng	88
64)	Diethylphthalate	8.083	149	23586	9.42	ng	98
65)	4-Nitroaniline	8.217	138	4625	22.18	ng	93
66)	Atrazine	8.826	200	7358	8.87	ng	97
68)	4,6-Dinitro-2-methylph...	8.249	198	2477	6.85	ng	56
69)	n-Nitrosodiphenylamine	8.297	169	19048	9.68	ng	99
71)	1,2-Diphenylhydrazine	8.334	77	31638	10.11	ng	99
72)	4-Bromophenyl-phenylether	8.660	248	6046	9.96	ng	89
73)	Hexachlorobenzene	8.719	284	5436	9.23	ng	78
74)	N-Octadecane	9.013	57	25384	9.84	ng	98
75)	Pentachlorophenol	8.927	266	1666	5.96	ng	87
76)	Phenanthrene	9.141	178	32257	9.56	ng	99
77)	Anthracene	9.195	178	31763	9.48	ng	99
78)	Carbazole	9.371	167	30820	9.21	ng	97
79)	Di-n-butylphthalate	9.766	149	37521	9.06	ng	98
80)	Fluoranthene	10.450	202	35775	8.98	ng	96
82)	Pyrene	10.712	202	38660	9.20	ng	86
83)	Benzidine	10.632	184	6637	6.96	ng	95
85)	4,4'-DDE	10.851	246	7872	8.94	ng	91
86)	Endrin	11.150	81	2432	9.34	ng	80
87)	4,4'-DDD	11.246	235	13536	9.39	ng	90
88)	Butylbenzylphthalate	11.513	149	15710	8.48	ng	84
89)	Endrin aldehyde	11.150	67	1298	10.16	ng	50
90)	4,4'-DDT	11.599	235	11845	9.29	ng	90
91)	Endrin ketone	12.058	317	1179	8.66	ng	96
92)	3,3'-Dichlorobenzidine	12.117	252	9276	9.59	ng	95
93)	Benzo[a]anthracene	12.133	228	36889	9.65	ng	99
94)	Chrysene	12.176	228	34150	9.61	ng	97
95)	bis(2-Ethylhexyl)phtha...	12.218	149	20745	8.66	ng	99
97)	Di-n-octylphthalate	12.966	149	33227	7.91	ng	97
98)	Benzo[b]fluoranthene	13.345	252	31205	9.04	ng	92
99)	Benzo[k]fluoranthene	13.378	252	30260	9.13	ng	89
100)	Benzo[a]pyrene	13.687	252	29552	9.09	ng	87
101)	Indeno[1,2,3-cd]pyrene	14.857	276	28945	8.81	ng	92
102)	Dibenzo[a,h]anthracene	14.873	278	24075	8.89	ng	88
103)	Benzo[g,h,i]perylene	15.162	276	24477	9.07	ng	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 5M54335.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 5M54335.D
Acq On : 12/15/09 13:07
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 5M_1215.M
Qt On : 12/15/09 13:34
Qt Upd On: 12/15/09 13:01
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
1,4-Dichlorobenzene-d4,I
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
2-Chlorophenol,M
N-Decane,T
Time-->


Abundance
TIC: 5M54335.D\data.ms
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Time-->


Abundance
TIC: 5M54335.D\data.ms
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Endrin ketone,T
3,3'-Dichlorobenzidine,T
Chrysene,
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM
Data File: 5M54332.D
Acq On : 12/15/09 11:31

Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA

Qt Meth : 5M_1215.M
Qt On : 12/15/09 11:53
Qt Upd On: 12/15/09 10:13

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.305	152	30091	40.00	ng	-0.12
23) Naphthalene-d8	6.331	136	112568	40.00	ng	-0.12
41) Acenaphthene-d10	7.693	164	64425	40.00	ng	-0.13
67) Phenanthrene-d10	9.109	188	108763	40.00	ng	-0.15
81) Chrysene-d12	12.138	240	100725	40.00	ng	-0.16
96) Perylene-d12	13.736	264	101449	40.00	ng	-0.16
System Monitoring Compounds						
4) 2-Fluorophenol	4.055	112	18387	16.12	ng	-0.13
Spiked Amount 100.000			Recovery = 16.12%			
9) Phenol-d5	5.012	99	31186	17.95	ng	-0.11
Spiked Amount 100.000			Recovery = 17.95%			
24) Nitrobenzene-d5	5.770	128	4826	9.92	ng	-0.12
Spiked Amount 50.000			Recovery = 19.84%			
46) 2-Fluorobiphenyl	7.143	172	20811	9.70	ng	-0.12
Spiked Amount 50.000			Recovery = 19.40%			
70) 2,4,6-Tribromophenol	8.415	330	4015	20.01	ng	-0.14
Spiked Amount 100.000			Recovery = 20.01%			
84) Terphenyl-d14	10.909	244	25323	9.62	ng	-0.14
Spiked Amount 50.000			Recovery = 19.24%			
Target Compounds						Qvalue
2) Pyridine	2.250	79	22830	16.31	ng	72
3) N-Nitrosodimethylamine	2.191	74	13677	16.91	ng	78
5) Benzaldehyde	4.921	77	25333	21.32	ng	95
6) Aniline	5.022	93	35084	17.67	ng	93
7) Pentachloroethane	5.054	117	10370	19.59	ng	89
8) bis(2-Chloroethyl)ether	5.086	93	25137	19.69	ng	100
10) Phenol	5.022	94	35774	19.45	ng	43
11) 2-Chlorophenol	5.124	128	21035	18.91	ng	98
12) N-Decane	5.177	57	39111	19.09	ng	96
13) 1,3-Dichlorobenzene	5.252	146	21361	18.70	ng	100
14) 1,4-Dichlorobenzene	5.321	146	23054	19.19	ng	99
15) 1,2-Dichlorobenzene	5.444	146	20738	18.92	ng	96
16) Benzyl alcohol	5.439	108	14682	18.75	ng	97
17) bis(2-chloroisopropyl)...	5.551	45	34297	18.50	ng	92
18) 2-Methylphenol	5.541	108	20586	18.47	ng	96
19) Acetophenone	5.653	105	38235	19.62	ng	69
20) Hexachloroethane	5.722	117	9284	19.08	ng	81
21) N-Nitroso-di-n-propyla...	5.653	70	19864	19.63	ng	78
22) 3&4-Methylphenol	5.669	108	21959	19.87	ng	99
25) Nitrobenzene	5.786	77	28832	19.89	ng	99
26) Isophorone	5.979	82	49861	19.47	ng	95
27) 2-Nitrophenol	6.043	139	10683	20.12	ng	83
28) 2,4-Dimethylphenol	6.080	107	24402	19.91	ng	86
29) Benzoic Acid	6.160	105	12280m	17.51	ng	
30) bis(2-Chloroethoxy)met...	6.150	93	27630	18.95	ng	97
31) 2,4-Dichlorophenol	6.230	162	16613	20.10	ng	93
32) 1,2,4-Trichlorobenzene	6.288	180	18601	19.81	ng	97
33) Naphthalene	6.347	128	58447	19.19	ng	98
34) 4-Chloroaniline	6.395	127	21879	19.65	ng	99
35) Hexachlorobutadiene	6.438	225	10405	20.42	ng	96
36) Caprolactam	6.641	113	7220	18.29	ng	70
37) 4-Chloro-3-methylphenol	6.759	107	20862	19.75	ng	97
38) 2-Methylnaphthalene	6.865	142	38810	19.23	ng	98
39) Methylnaphthalenes (To...	6.865	142	38810	19.23	ng	98
40) 1,1'-Biphenyl	7.223	154	56533	19.87	ng	97
42) 1,2,4,5-Tetrachloroben...	6.994	216	21709	20.74	ng	96
43) Hexachlorocyclopentadiene	6.978	237	5842	16.67	ng	98
44) 2,4,6-Trichlorophenol	7.084	196	11837	20.54	ng	99
45) 2,4,5-Trichlorophenol	7.116	196	12569	20.11	ng	97
47) 2-Chloronaphthalene	7.239	162	37269	19.80	ng	95
48) 1,4-Dimethylnaphthalene	7.506	156	38124	20.45	ng	96
49) Dimethylnaphthalenes (...	7.506	156	38124	20.45	ng	96
50) Diphenyl Ether	7.303	170	30339	20.04	ng	92
51) 2-Nitroaniline	7.325	65	21208	22.68	ng	94
52) Acenaphthylene	7.576	152	58466	20.08	ng	99
53) Dimethylphthalate	7.469	163	45202	20.56	ng	99
54) 2,6-Dinitrotoluene	7.522	165	10153	21.77	ng	75
55) Acenaphthene	7.726	153	34943	19.18	ng	93
56) 3-Nitroaniline	7.667	138	9968	20.09	ng	29
57) 2,4-Dinitrophenol	7.768	184	3494	16.18	ng	63
58) Dibenzofuran	7.875	168	53947	20.25	ng	93
59) 2,4-Dinitrotoluene	7.870	165	13485	20.35	ng	94

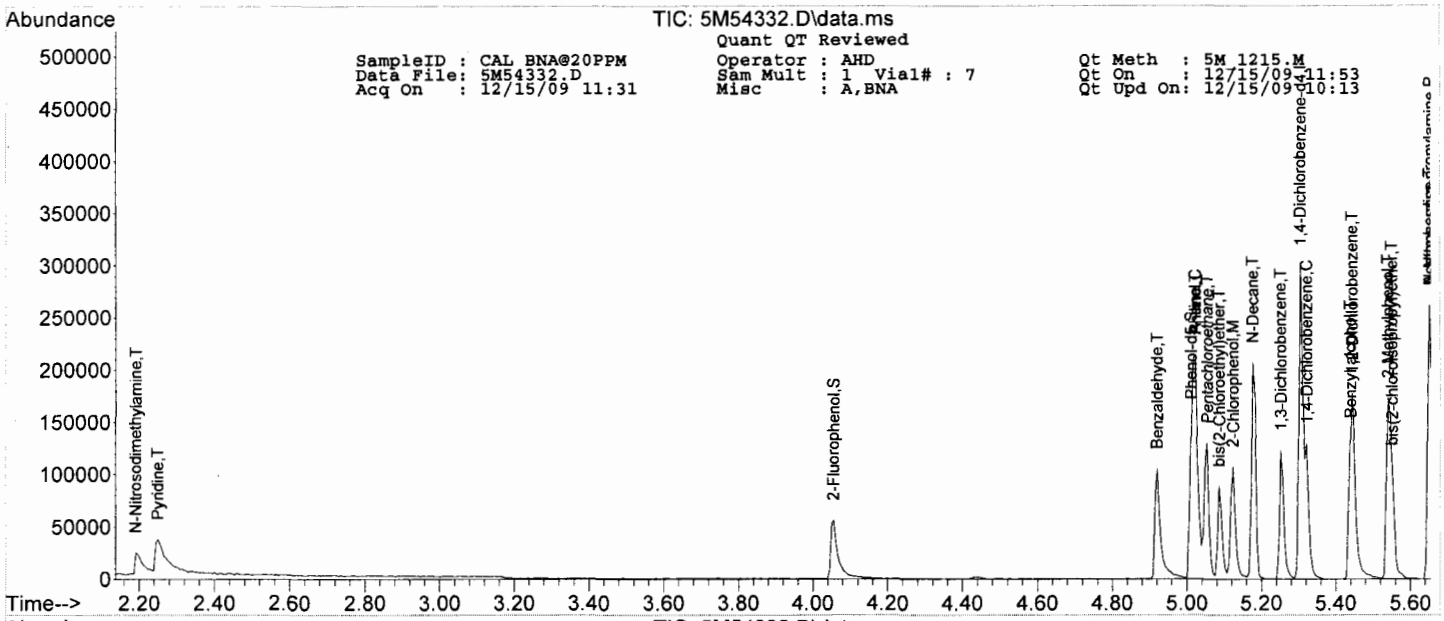
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 5M_1215.M
Data File: 5M54332.D Sam Mult : 1 Vial# : 7 Qt On : 12/15/09 11:53
Acq On : 12/15/09 11:31 Misc : A,BNA Qt Upd On: 12/15/09 10:13

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	7.816	65	9299	19.01	ng	99
61)	2,3,4,6-Tetrachlorophenol	7.987	232	9156	19.22	ng	91
62)	Fluorene	8.185	166	44082	19.71	ng	98
63)	4-Chlorophenyl-phenyle...	8.185	204	20660	19.57	ng	89
64)	Diethylphthalate	8.078	149	44652	19.79	ng	98
65)	4-Nitroaniline	8.206	138	10231	18.44	ng	87
66)	Atrazine	8.821	200	14737	20.72	ng	97
68)	4,6-Dinitro-2-methylph...	8.244	198	6396	17.28	ng	43
69)	n-Nitrosodiphenylamine	8.297	169	35666	19.16	ng	98
71)	1,2-Diphenylhydrazine	8.335	77	59594	20.61	ng	96
72)	4-Bromophenyl-phenylether	8.655	248	10724	18.95	ng	96
73)	Hexachlorobenzene	8.714	284	10620	20.25	ng	81
74)	N-Octadecane	9.008	57	48245	19.10	ng	95
75)	Pentachlorophenol	8.922	266	4752	16.12	ng	93
76)	Phenanthrene	9.136	178	61372	19.27	ng	99
77)	Anthracene	9.189	178	62475	19.97	ng	99
78)	Carbazole	9.366	167	60415	18.95	ng	98
79)	Di-n-butylphthalate	9.761	149	74513	19.32	ng	98
80)	Fluoranthene	10.445	202	74197	19.83	ng	90
82)	Pyrene	10.706	202	79659	18.76	ng	88
83)	Benzidine	10.621	184	24295	19.01	ng	90
85)	4,4'-DDE	10.845	246	16395	19.78	ng	91
86)	Endrin	11.145	81	5116	21.08	ng	81
87)	4,4'-DDD	11.241	235	28024	20.12	ng	88
88)	Butylbenzylphthalate	11.508	149	35226	18.86	ng	91
89)	Endrin aldehyde	11.150	67	2551	19.63	ng	59
90)	4,4'-DDT	11.599	235	24191	19.20	ng	92
91)	Endrin ketone	12.053	317	2721	18.99	ng	98
92)	3,3'-Dichlorobenzidine	12.117	252	20298	19.86	ng	98
93)	Benzo[a]anthracene	12.128	228	74455	19.47	ng	100
94)	Chrysene	12.170	228	68412	19.19	ng	97
95)	bis(2-Ethylhexyl)phtha...	12.218	149	47691	19.94	ng	98
97)	Di-n-octylphthalate	12.966	149	76857	18.42	ng	99
98)	Benzo[b]fluoranthene	13.340	252	63210	18.68	ng	94
99)	Benzo[k]fluoranthene	13.367	252	62353	18.86	ng	95
100)	Benzo[a]pyrene	13.682	252	60931	19.17	ng	91
101)	Indeno[1,2,3-cd]pyrene	14.852	276	61107	18.60	ng	88
102)	Dibenzo[a,h]anthracene	14.868	278	51692	18.91	ng	88
103)	Benzo[g,h,i]perylene	15.157	276	52349	19.10	ng	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed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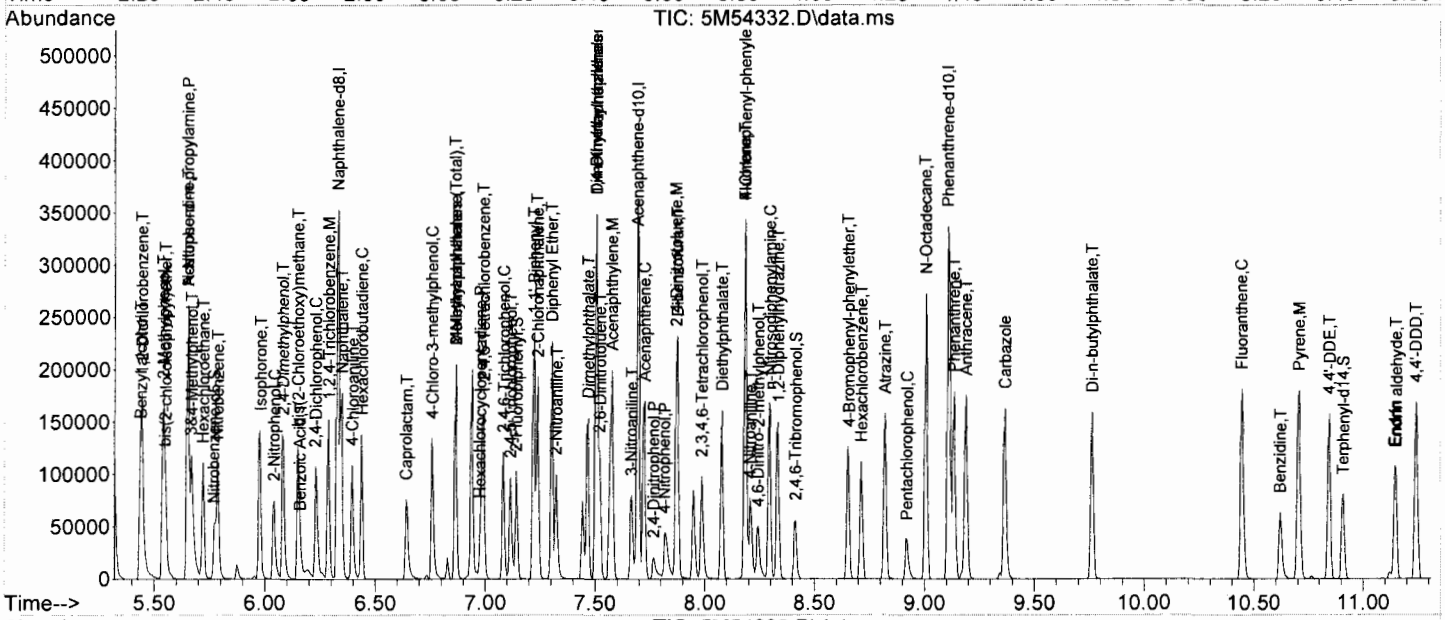
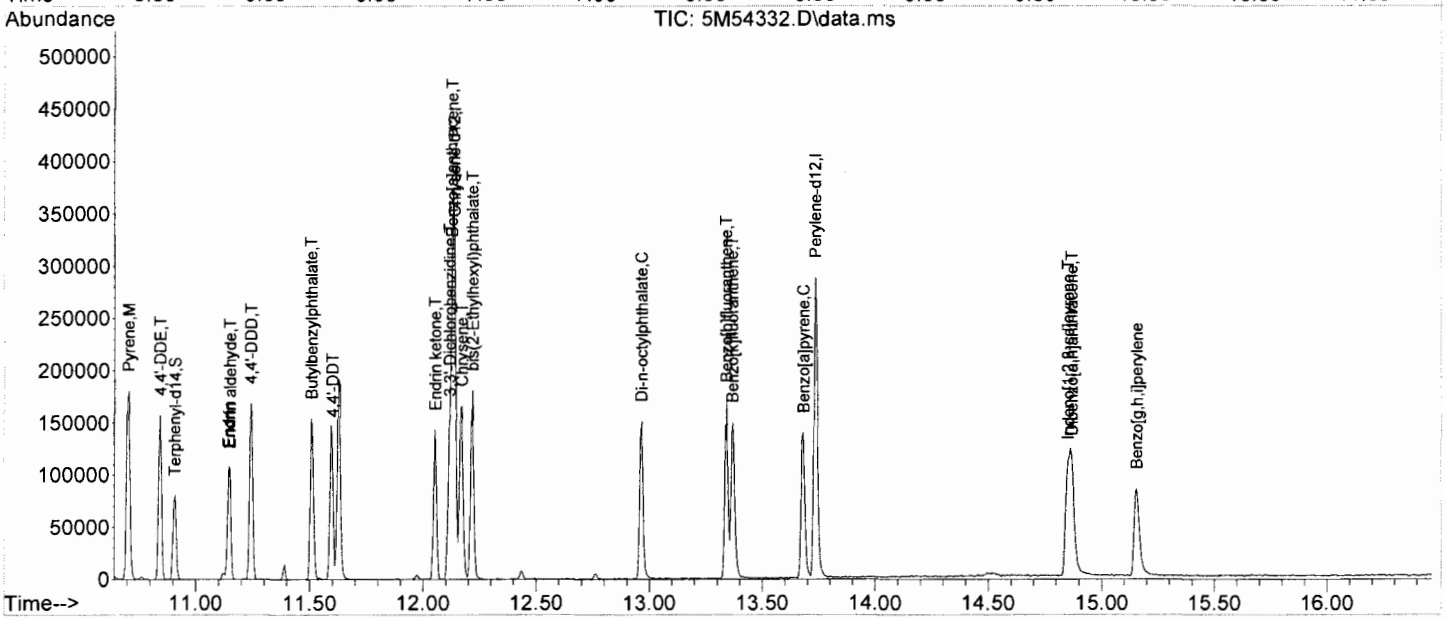
TIC: 5M54332.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 5M54332.D
Acq On : 12/15/09 11:31
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 5M_1215.M
Qt On : 12/15/09 11:53
Qt Upd On: 12/15/09 10:13
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->


Abundance
TIC: 5M54332.D\data.ms
Naphthalene-d8,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Diphenyl Ether,T
Acenaphthylene,M
Acenaphthene-d10,I
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Time-->


Abundance
TIC: 5M54332.D\data.ms
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Endrin ketone,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 5M_1215.M
Data File: 5M54331.D Sam Mult : 1 Vial# : 6 Qt On : 12/15/09 11:52
Acq On : 12/15/09 11:09 Misc : A,BNA Qt Upd On: 12/15/09 10:13

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.305	152	26117	40.00	ng	-0.12
23) Naphthalene-d8	6.331	136	99434	40.00	ng	-0.12
41) Acenaphthene-d10	7.699	164	56925	40.00	ng	-0.13
67) Phenanthrene-d10	9.109	188	99466	40.00	ng	-0.15
81) Chrysene-d12	12.143	240	88343	40.00	ng	-0.15
96) Perylene-d12	13.735	264	91839	40.00	ng	-0.16
System Monitoring Compounds						
4) 2-Fluorophenol	4.045	112	80180	80.99	ng	-0.14
Spiked Amount 100.000			Recovery = 80.99%			
9) Phenol-d5	5.011	99	119574	79.31	ng	-0.11
Spiked Amount 100.000			Recovery = 79.31%			
24) Nitrobenzene-d5	5.770	128	16277	37.86	ng	-0.12
Spiked Amount 50.000			Recovery = 75.72%			
46) 2-Fluorobiphenyl	7.143	172	76716	40.45	ng	-0.12
Spiked Amount 50.000			Recovery = 80.90%			
70) 2,4,6-Tribromophenol	8.414	330	16540	90.12	ng	-0.14
Spiked Amount 100.000			Recovery = 90.12%			
84) Terphenyl-d14	10.909	244	93608	40.55	ng	-0.14
Spiked Amount 50.000			Recovery = 81.10%			
Target Compounds						Qvalue
2) Pyridine	2.228	79	94083	77.46	ng	79
3) N-Nitrosodimethylamine	2.185	74	53823	76.67	ng	77
5) Benzaldehyde	4.915	77	90537	87.78	ng	98
6) Aniline	5.017	93	135865	78.83	ng	90
7) Pentachloroethane	5.054	117	36684	79.84	ng	85
8) bis(2-Chloroethyl)ether	5.092	93	78664	70.99	ng	93
10) Phenol	5.022	94	123150	77.15	ng	55
11) 2-Chlorophenol	5.124	128	75503	78.19	ng	98
12) N-Decane	5.182	57	132221	74.34	ng	93
13) 1,3-Dichlorobenzene	5.252	146	77427	78.08	ng	98
14) 1,4-Dichlorobenzene	5.321	146	79434	76.18	ng	97
15) 1,2-Dichlorobenzene	5.444	146	74826	78.67	ng	99
16) Benzyl alcohol	5.439	108	54895	80.77	ng	95
17) bis(2-chloroisopropyl)...	5.551	45	113855	70.76	ng	90
18) 2-Methylphenol	5.540	108	76158	78.72	ng	100
19) Acetophenone	5.653	105	134734	79.64	ng	72
20) Hexachloroethane	5.722	117	33255	78.74	ng	88
21) N-Nitroso-di-n-propyla...	5.658	70	71827	81.80	ng	70
22) 3&4-Methylphenol	5.669	108	77002	80.30	ng	96
25) Nitrobenzene	5.786	77	99457	77.66	ng	99
26) Isophorone	5.978	82	181496	80.25	ng	100
27) 2-Nitrophenol	6.037	139	38181	81.40	ng	78
28) 2,4-Dimethylphenol	6.085	107	88797	82.04	ng	91
29) Benzoic Acid	6.181	105	58014m	93.63	ng	
30) bis(2-Chloroethoxy)met...	6.155	93	93913	72.93	ng	99
31) 2,4-Dichlorophenol	6.229	162	58873	80.62	ng	96
32) 1,2,4-Trichlorobenzene	6.288	180	67062	80.85	ng	98
33) Naphthalene	6.347	128	208240	77.42	ng	100
34) 4-Chloroaniline	6.395	127	77384	78.69	ng	99
35) Hexachlorobutadiene	6.438	225	37147	82.54	ng	96
36) Caprolactam	6.673	113	27218	78.08	ng	72
37) 4-Chloro-3-methylphenol	6.764	107	75980	81.45	ng	98
38) 2-Methylnaphthalene	6.865	142	140849	79.00	ng	100
39) Methylnaphthalenes (To...	6.865	142	140849	79.00	ng	100
40) 1,1'-Biphenyl	7.223	154	199645	79.45	ng	97
42) 1,2,4,5-Tetrachloroben...	6.993	216	77013	83.26	ng	99
43) Hexachlorocyclopentadiene	6.983	237	29038	93.78	ng	98
44) 2,4,6-Trichlorophenol	7.084	196	43468	85.38	ng	99
45) 2,4,5-Trichlorophenol	7.116	196	46107	83.50	ng	98
47) 2-Chloronaphthalene	7.239	162	132867	79.88	ng	95
48) 1,4-Dimethylnaphthalene	7.506	156	135412	82.23	ng	98
49) Dimethylnaphthalenes (...	7.506	156	135412	82.23	ng	98
50) Diphenyl Ether	7.303	170	105153	78.60	ng	95
51) 2-Nitroaniline	7.325	65	74606	90.28	ng	92
52) Acenaphthylene	7.581	152	206064	80.11	ng	99
53) Dimethylphthalate	7.474	163	157997	81.33	ng	99
54) 2,6-Dinitrotoluene	7.522	165	35207	85.44	ng	84
55) Acenaphthene	7.725	153	127756	79.38	ng	96
56) 3-Nitroaniline	7.667	138	35022	79.87	ng	31
57) 2,4-Dinitrophenol	7.763	184	16910	88.60	ng	68
58) Dibenzofuran	7.875	168	188443	80.07	ng	93
59) 2,4-Dinitrotoluene	7.870	165	48771	83.29	ng	89

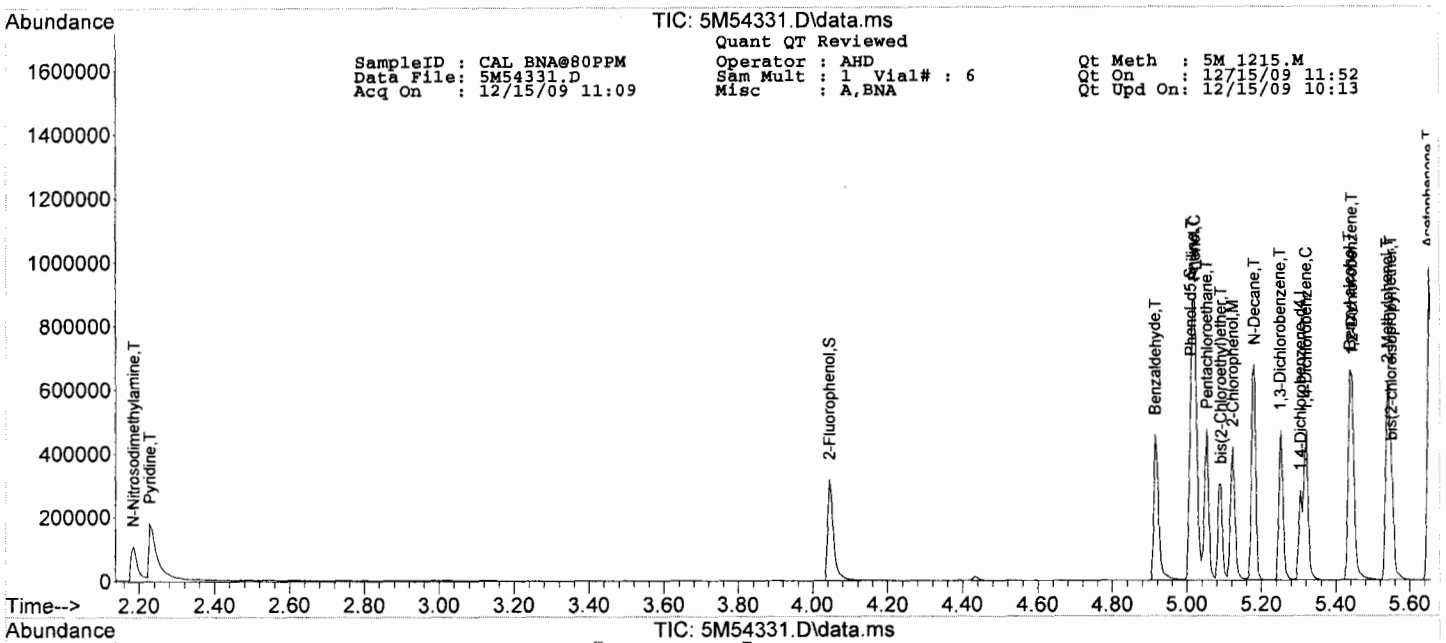
Quantitation Report (QT Reviewed)

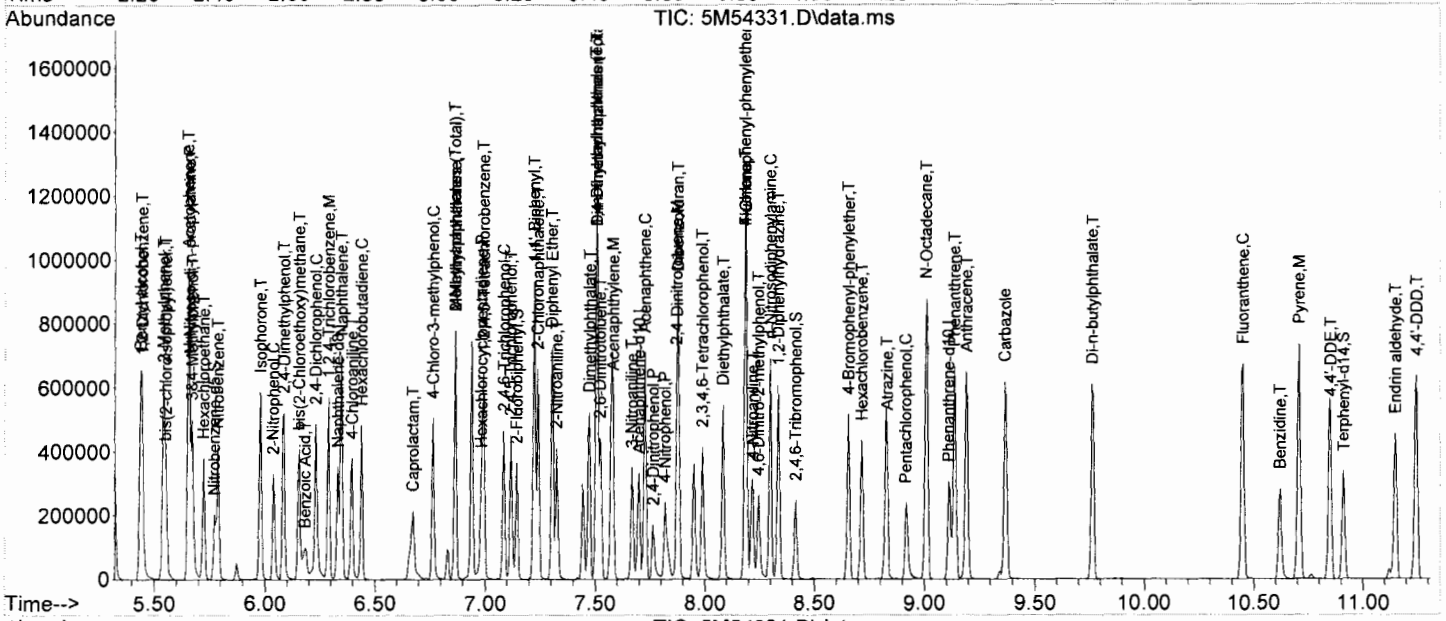
SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 5M_1215.M
Data File: 5M54331.D Sam Mult : 1 Vial# : 6 Qt On : 12/15/09 11:52
Acq On : 12/15/09 11:09 Misc : A,BNA Qt Upd On: 12/15/09 10:13

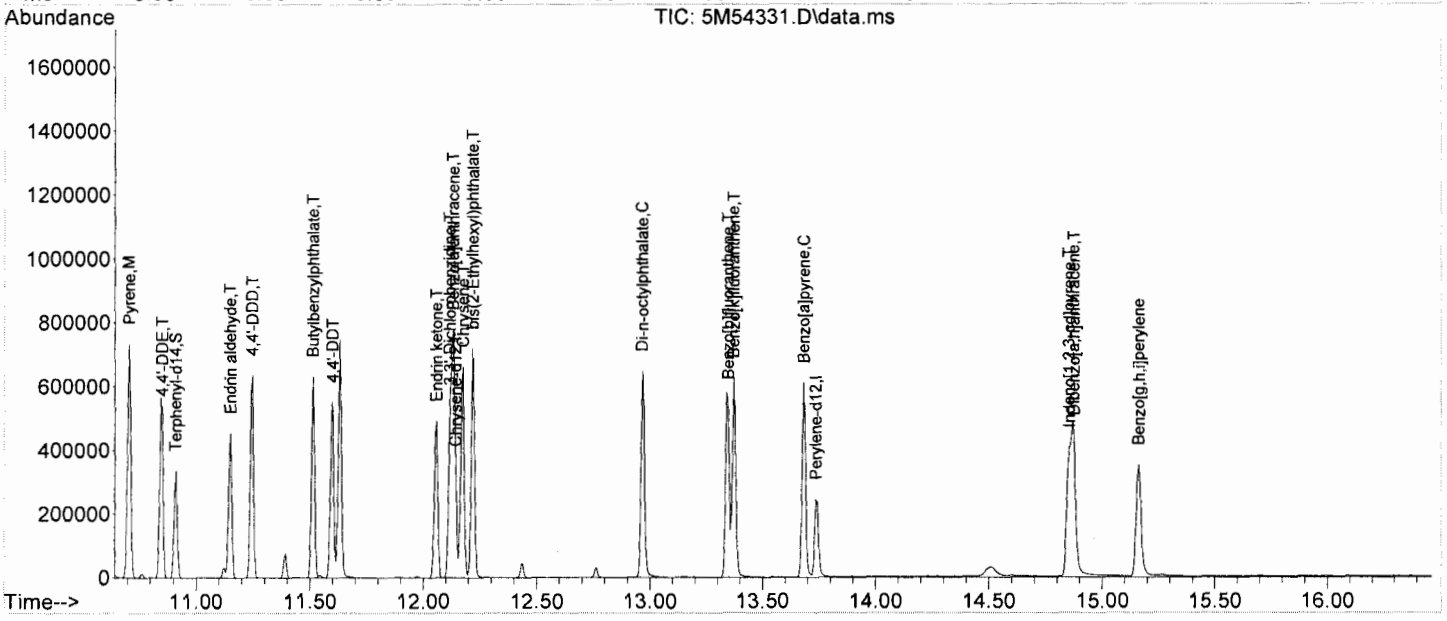
Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	7.816	65	38731	89.63	ng	93
61)	2,3,4,6-Tetrachlorophenol	7.987	232	35411	84.11	ng	88
62)	Fluorene	8.185	166	163046	82.51	ng	100
63)	4-Chlorophenyl-phenyle...	8.185	204	77162	82.71	ng	89
64)	Diethylphthalate	8.083	149	163480	82.01	ng	99
65)	4-Nitroaniline	8.217	138	37097	75.66	ng	93
66)	Atrazine	8.831	200	53192	84.65	ng	98
68)	4,6-Dinitro-2-methylph...	8.244	198	28581	84.44	ng	36
69)	n-Nitrosodiphenylamine	8.297	169	130296	76.56	ng	100
71)	1,2-Diphenylhydrazine	8.334	77	211272	79.89	ng	98
72)	4-Bromophenyl-phenylether	8.655	248	42165	81.46	ng	93
73)	Hexachlorobenzene	8.714	284	40446	84.33	ng	82
74)	N-Octadecane	9.007	57	177754	76.97	ng	94
75)	Pentachlorophenol	8.917	266	22192	82.34	ng	94
76)	Phenanthrene	9.136	178	226084	77.63	ng	99
77)	Anthracene	9.189	178	228981	80.04	ng	99
78)	Carbazole	9.365	167	232536	79.77	ng	99
79)	Di-n-butylphthalate	9.761	149	298931	84.75	ng	99
80)	Fluoranthene	10.450	202	279813	81.79	ng	91
82)	Pyrene	10.706	202	292983	78.65	ng	90
83)	Benzidine	10.621	184	104326	93.06	ng	90
85)	4,4'-DDE	10.851	246	61162	84.15	ng	91
86)	Endrin	11.150	81	18253	85.74	ng	75
87)	4,4'-DDD	11.246	235	104885	85.84	ng	86
88)	Butylbenzylphthalate	11.513	149	136974	83.60	ng	95
89)	Endrin aldehyde	11.150	67	9005	79.01	ng	60
90)	4,4'-DDT	11.598	235	93457	84.56	ng	94
91)	Endrin ketone	12.058	317	10316	82.10	ng	98
92)	3,3'-Dichlorobenzidine	12.117	252	77490	86.44	ng	96
93)	Benzo[a]anthracene	12.133	228	271892	81.05	ng	100
94)	Chrysene	12.175	228	245093	78.37	ng	99
95)	bis(2-Ethylhexyl)phtha...	12.218	149	178857	85.25	ng	95
97)	Di-n-octylphthalate	12.966	149	327902	86.80	ng	100
98)	Benzo[b]fluoranthene	13.345	252	240160	78.40	ng	92
99)	Benzo[k]fluoranthene	13.372	252	245389	81.99	ng	94
100)	Benzo[a]pyrene	13.682	252	237299	82.46	ng	93
101)	Indeno[1,2,3-cd]pyrene	14.852	276	242124	81.43	ng	83
102)	Dibenzo[a,h]anthracene	14.873	278	198445	80.20	ng	89
103)	Benzo[g,h,i]perylene	15.162	276	194250	78.30	ng	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 5M54331.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 5M54331.D
Acq On : 12/15/09 11:09
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 5M_1215.M
Qt On : 12715/09 11:52
Qt Upd On: 12/15/09 10:13
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 5M54331.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Nitrophenol,C
Isophorone,T
Benzoic Acid,T
Naphthalene,T
Hexachlorobutadiene,C
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
4,4'-DDE,T
Endrin aldehyde,T
4,4'-DDD,T
Time-->


Abundance
TIC: 5M54331.D\data.ms
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Endrin ketone,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 5M_1215.M
Data File: 5M54330.D Sam Mult : 1 Vial# : 5 Qt On : 12/15/09 11:52
Acq On : 12/15/09 10:46 Misc : A,BNA Qt Upd On: 12/15/09 10:13

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.305	152	25508	40.00	ng	-0.12
23) Naphthalene-d8	6.331	136	97856	40.00	ng	-0.12
41) Acenaphthene-d10	7.699	164	58128	40.00	ng	-0.13
67) Phenanthrene-d10	9.114	188	102400	40.00	ng	-0.14
81) Chrysene-d12	12.143	240	88776	40.00	ng	-0.15
96) Perylene-d12	13.741	264	88911	40.00	ng	-0.15
System Monitoring Compounds						
4) 2-Fluorophenol	4.045	112	122962	127.16	ng	-0.14
Spiked Amount 100.000			Recovery = 127.16%			
9) Phenol-d5	5.012	99	177312	120.41	ng	-0.11
Spiked Amount 100.000			Recovery = 120.41%			
24) Nitrobenzene-d5	5.775	128	25753	60.87	ng	-0.11
Spiked Amount 50.000			Recovery = 121.74%			
46) 2-Fluorobiphenyl	7.143	172	111369	57.51	ng	-0.12
Spiked Amount 50.000			Recovery = 115.02%			
70) 2,4,6-Tribromophenol	8.415	330	24619	130.30	ng	-0.14
Spiked Amount 100.000			Recovery = 130.30%			
84) Terphenyl-d14	10.909	244	137303	59.19	ng	-0.14
Spiked Amount 50.000			Recovery = 118.38%			
Target Compounds						Qvalue
2) Pyridine	2.228	79	142444	120.08	ng	77
3) N-Nitrosodimethylamine	2.186	74	82605	120.48	ng	75
5) Benzaldehyde	4.915	77	95154	94.46	ng	98
6) Aniline	5.022	93	206325	122.58	ng	87
7) Pentachloroethane	5.054	117	54224	120.83	ng	85
8) bis(2-Chloroethyl)ether	5.092	93	119090	110.04	ng	94
10) Phenol	5.028	94	195033	125.09	ng	79
11) 2-Chlorophenol	5.124	128	112084	118.84	ng	99
12) N-Decane	5.183	57	187671	108.04	ng	90
13) 1,3-Dichlorobenzene	5.252	146	112608	116.27	ng	98
14) 1,4-Dichlorobenzene	5.321	146	118047	115.92	ng	99
15) 1,2-Dichlorobenzene	5.444	146	110547	119.00	ng	99
16) Benzyl alcohol	5.439	108	82139	123.74	ng	98
17) bis(2-chloroisopropyl)...	5.551	45	163853	104.26	ng	90
18) 2-Methylphenol	5.540	108	111689	118.20	ng	100
19) Acetophenone	5.653	105	202199	122.37	ng	74
20) Hexachloroethane	5.722	117	48859	118.45	ng	91
21) N-Nitroso-di-n-propyla...	5.658	70	107285	125.09	ng	71
22) 3&4-Methylphenol	5.674	108	113120	120.78	ng	99
25) Nitrobenzene	5.786	77	151431	120.15	ng	99
26) Isophorone	5.984	82	271372	121.93	ng	96
27) 2-Nitrophenol	6.043	139	58315	126.33	ng	86
28) 2,4-Dimethylphenol	6.085	107	132326	124.23	ng	92
29) Benzoic Acid	6.198	105	97343m	159.64	ng	
30) bis(2-Chloroethoxy)met...	6.155	93	145029	114.44	ng	99
31) 2,4-Dichlorophenol	6.230	162	90694	126.20	ng	96
32) 1,2,4-Trichlorobenzene	6.288	180	98183	120.28	ng	99
33) Naphthalene	6.347	128	315293	119.10	ng	99
34) 4-Chloroaniline	6.395	127	112976	116.73	ng	100
35) Hexachlorobutadiene	6.438	225	56944	128.56	ng	96
36) Caprolactam	6.684	113	45947	133.93	ng	70
37) 4-Chloro-3-methylphenol	6.764	107	121165	131.98	ng	98
38) 2-Methylnaphthalene	6.865	142	212803	121.28	ng	99
39) Methylnaphthalenes (To...	6.865	142	212803	121.28	ng	99
40) 1,1'-Biphenyl	7.223	154	311635	126.02	ng	98
42) 1,2,4,5-Tetrachloroben...	6.994	216	119060	126.05	ng	99
43) Hexachlorocyclopentadiene	6.983	237	48818	154.39	ng	100
44) 2,4,6-Trichlorophenol	7.084	196	66882	128.66	ng	99
45) 2,4,5-Trichlorophenol	7.116	196	69901	123.97	ng	99
47) 2-Chloronaphthalene	7.245	162	200770	118.21	ng	93
48) 1,4-Dimethylnaphthalene	7.512	156	211217	125.60	ng	95
49) Dimethylnaphthalenes (...	7.512	156	211217	125.60	ng	95
50) Diphenyl Ether	7.309	170	165660	121.26	ng	83
51) 2-Nitroaniline	7.325	65	87295	103.44	ng	97
52) Acenaphthylene	7.581	152	315012	119.94	ng	100
53) Dimethylphthalate	7.474	163	251695	126.88	ng	99
54) 2,6-Dinitrotoluene	7.528	165	53909	128.11	ng	75
55) Acenaphthene	7.725	153	198322	120.67	ng	99
56) 3-Nitroaniline	7.672	138	54543	121.82	ng	34
57) 2,4-Dinitrophenol	7.763	184	29636	152.07	ng	62
58) Dibenzofuran	7.880	168	299908	124.79	ng	91
59) 2,4-Dinitrotoluene	7.875	165	78657	131.54	ng	95

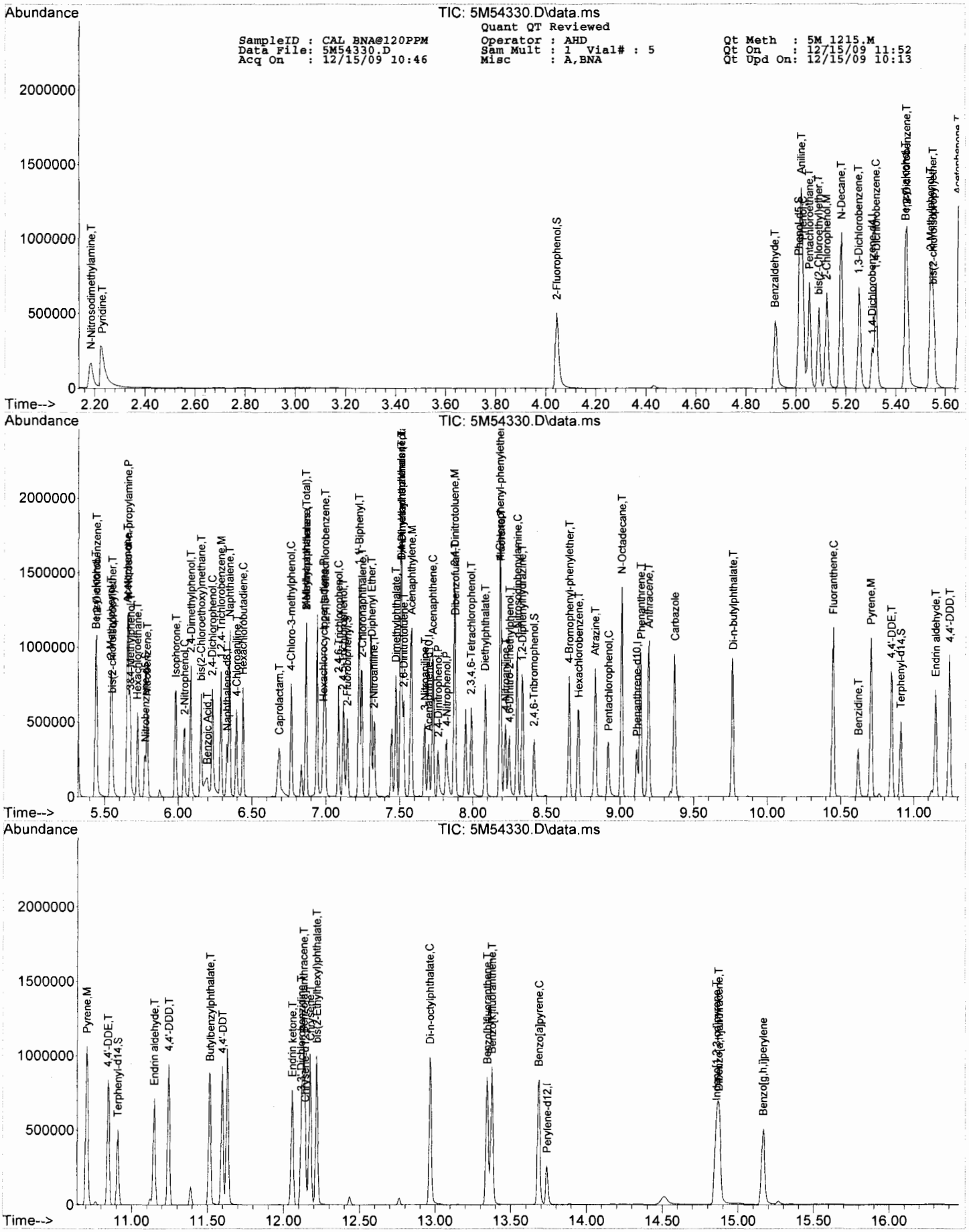
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 5M_1215.M
Data File: 5M54330.D Sam Mult : 1 Vial# : 5 Qt On : 12/15/09 11:52
Acq On : 12/15/09 10:46 Misc : A,BNA Qt Upd On: 12/15/09 10:13

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Nitrophenol	7.822	65	61707	139.85	ng	88
61) 2,3,4,6-Tetrachlorophenol	7.987	232	55674	129.50	ng	89
62) Fluorene	8.190	166	252808	125.29	ng	100
63) 4-Chlorophenyl-phenyle...	8.185	204	120401	126.39	ng	91
64) Diethylphthalate	8.083	149	249294	122.47	ng	100
65) 4-Nitroaniline	8.222	138	59611m	119.06	ng	
66) Atrazine	8.831	200	87092	135.73	ng	98
68) 4,6-Dinitro-2-methylph...	8.249	198	44675	128.21	ng	41
69) n-Nitrosodiphenylamine	8.302	169	205822	117.47	ng	97
71) 1,2-Diphenylhydrazine	8.334	77	322249	118.36	ng	99
72) 4-Bromophenyl-phenylether	8.655	248	66234	124.29	ng	95
73) Hexachlorobenzene	8.719	284	61484	124.52	ng	75
74) N-Octadecane	9.013	57	270227	113.65	ng	87
75) Pentachlorophenol	8.922	266	38452	138.59	ng	98
76) Phenanthrene	9.141	178	358815	119.67	ng	98
77) Anthracene	9.195	178	360243	122.32	ng	100
78) Carbazole	9.371	167	356810	118.89	ng	97
79) Di-n-butylphthalate	9.766	149	466632	128.51	ng	98
80) Fluoranthene	10.450	202	442285	125.57	ng	93
82) Pyrene	10.706	202	451412	120.59	ng	92
83) Benzidine	10.621	184	110200	97.82	ng	90
85) 4,4'-DDE	10.845	246	95808	131.18	ng	90
86) Endrin	11.150	81	27962	130.70	ng	73
87) 4,4'-DDD	11.246	235	153816	125.27	ng	88
88) Butylbenzylphthalate	11.518	149	208984	126.93	ng	97
89) Endrin aldehyde	11.150	67	13592	118.68	ng	61
90) 4,4'-DDT	11.599	235	144513	130.12	ng	94
91) Endrin ketone	12.058	317	15869	125.68	ng	95
92) 3,3'-Dichlorobenzidine	12.117	252	105407	117.01	ng	97
93) Benzo[a]anthracene	12.133	228	405410	120.27	ng	100
94) Chrysene	12.176	228	362374	115.31	ng	97
95) bis(2-Ethylhexyl)phtha...	12.218	149	258536	122.63	ng	97
97) Di-n-octylphthalate	12.966	149	504647	137.98	ng	100
98) Benzo[b]fluoranthene	13.345	252	377536	127.30	ng	93
99) Benzo[k]fluoranthene	13.378	252	350249	120.88	ng	93
100) Benzo[a]pyrene	13.687	252	353964	127.05	ng	91
101) Indeno[1,2,3-cd]pyrene	14.857	276	356528	123.85	ng	87
102) Dibenzo[a,h]anthracene	14.873	278	292811	122.24	ng	92
103) Benzo[g,h,i]perylene	15.167	276	279732	116.47	ng	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 5M54330.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 5M54330.D
Acq On : 12/15/09 10:46
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 5M_1215.M
Qt On : 12/15/09 11:52
Qt Upd On: 12/15/09 10:13
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 5M_1215.M
Data File: 5M54329.D Sam Mult : 1 Vial# : 4 Qt On : 12/15/09 11:51
Acq On : 12/15/09 10:24 Misc : A,BNA Qt Upd On: 12/15/09 10:13

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.305	152	24401	40.00	ng	-0.12
23) Naphthalene-d8	6.331	136	94467	40.00	ng	-0.12
41) Acenaphthene-d10	7.699	164	57794	40.00	ng	-0.13
67) Phenanthrene-d10	9.114	188	100628	40.00	ng	-0.14
81) Chrysene-d12	12.149	240	86298	40.00	ng	-0.14
96) Perylene-d12	13.741	264	87558	40.00	ng	-0.15
System Monitoring Compounds						
4) 2-Fluorophenol	4.045	112	165734	179.17	ng	-0.14
Spiked Amount 100.000			Recovery = 179.17%			
9) Phenol-d5	5.017	99	240377	170.64	ng	-0.11
Spiked Amount 100.000			Recovery = 170.64%			
24) Nitrobenzene-d5	5.776	128	33646	82.38	ng	-0.11
Spiked Amount 50.000			Recovery = 164.76%			
46) 2-Fluorobiphenyl	7.148	172	146746	76.22	ng	-0.12
Spiked Amount 50.000			Recovery = 152.44%			
70) 2,4,6-Tribromophenol	8.420	330	34798	187.42	ng	-0.13
Spiked Amount 100.000			Recovery = 187.42%			
84) Terphenyl-d14	10.915	244	186885	82.88	ng	-0.14
Spiked Amount 50.000			Recovery = 165.76%			
Target Compounds						Qvalue
2) Pyridine	2.223	79	195969	172.70	ng	80
3) N-Nitrosodimethylamine	2.186	74	113664	173.31	ng	76
5) Benzaldehyde	4.915	77	94850	98.43	ng	98
6) Aniline	5.022	93	272141	169.01	ng	88
7) Pentachloroethane	5.054	117	69525	161.96	ng	86
8) bis(2-Chloroethyl)ether	5.092	93	150652	145.52	ng	98
10) Phenol	5.028	94	261721	175.48	ng	69
11) 2-Chlorophenol	5.124	128	149002	165.15	ng	98
12) N-Decane	5.183	57	238574	143.57	ng	91
13) 1,3-Dichlorobenzene	5.257	146	145070	156.58	ng	96
14) 1,4-Dichlorobenzene	5.321	146	150233	154.21	ng	99
15) 1,2-Dichlorobenzene	5.444	146	142150	159.95	ng	99
16) Benzyl alcohol	5.439	108	107163	168.76	ng	98
17) bis(2-chloroisopropyl)...	5.551	45	210286	139.88	ng	88
18) 2-Methylphenol	5.540	108	148075	163.82	ng	99
19) Acetophenone	5.658	105	269723	170.64	ng	68
20) Hexachloroethane	5.722	117	64171	162.63	ng	91
21) N-Nitroso-di-n-propyla...	5.663	70	136078	165.86	ng	69
22) 3&4-Methylphenol	5.674	108	145468	162.36	ng	97
25) Nitrobenzene	5.792	77	192373	158.11	ng	95
26) Isophorone	5.984	82	354786	165.13	ng	99
27) 2-Nitrophenol	6.043	139	80102	179.75	ng	85
28) 2,4-Dimethylphenol	6.085	107	174106	169.32	ng	91
29) Benzoic Acid	6.208	105	132212m	224.61	ng	
30) bis(2-Chloroethoxy)met...	6.155	93	190205	155.47	ng	100
31) 2,4-Dichlorophenol	6.235	162	120012	172.98	ng	92
32) 1,2,4-Trichlorobenzene	6.288	180	128975	163.68	ng	98
33) Naphthalene	6.347	128	412175	161.29	ng	99
34) 4-Chloroaniline	6.395	127	127526	136.49	ng	99
35) Hexachlorobutadiene	6.438	225	73668	172.29	ng	96
36) Caprolactam	6.694	113	60535	182.78	ng	71
37) 4-Chloro-3-methylphenol	6.769	107	158106	178.40	ng	96
38) 2-Methylnaphthalene	6.865	142	287273	169.59	ng	100
39) Methylnaphthalenes (To...	6.865	142	287273	169.59	ng	100
40) 1,1'-Biphenyl	7.229	154	407678	170.77	ng	95
42) 1,2,4,5-Tetrachloroben...	6.994	216	155827	165.93	ng	98
43) Hexachlorocyclopentadiene	6.983	237	67894	215.96	ng	98
44) 2,4,6-Trichlorophenol	7.084	196	88684	171.58	ng	98
45) 2,4,5-Trichlorophenol	7.122	196	95632	170.58	ng	99
47) 2-Chloronaphthalene	7.245	162	265071	156.97	ng	94
48) 1,4-Dimethylnaphthalene	7.512	156	283003	169.26	ng	95
49) Dimethylnaphthalenes (...	7.512	156	283003	169.26	ng	95
50) Diphenyl Ether	7.309	170	208726	153.67	ng	84
51) 2-Nitroaniline	7.330	65	115822	138.04	ng	92
52) Acenaphthylene	7.581	152	425597	162.98	ng	99
53) Dimethylphthalate	7.480	163	331350	168.00	ng	100
54) 2,6-Dinitrotoluene	7.533	165	69456	166.01	ng	70
55) Acenaphthene	7.731	153	271049	165.87	ng	96
56) 3-Nitroaniline	7.672	138	65952	148.15	ng	31
57) 2,4-Dinitrophenol	7.768	184	42676	220.24	ng	73
58) Dibenzofuran	7.880	168	402246	168.34	ng	90
59) 2,4-Dinitrotoluene	7.880	165	107750	181.24	ng	94

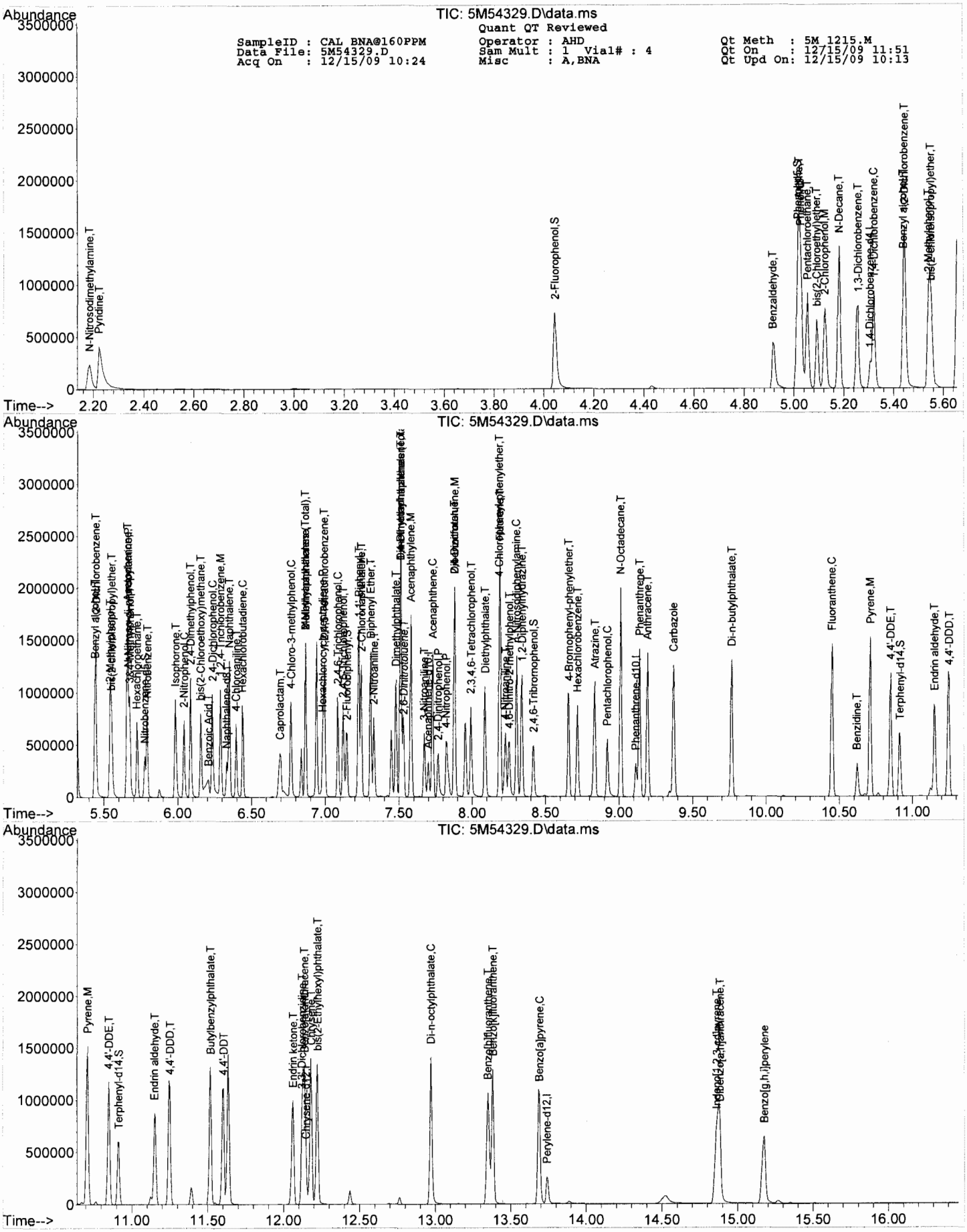
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 5M_1215.M
Data File: 5M54329.D Sam Mult : 1 Vial# : 4 Qt On : 12/15/09 11:51
Acq On : 12/15/09 10:24 Misc : A,BNA Qt Upd On: 12/15/09 10:13

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	7.822	65	86813	197.89	ng	94
61)	2,3,4,6-Tetrachlorophenol	7.993	232	77125	180.44	ng	88
62)	Fluorene	8.190	166	351378	175.15	ng	100
63)	4-Chlorophenyl-phenyle...	8.185	204	169659	179.12	ng	90
64)	Diethylphthalate	8.089	149	334987	165.52	ng	99
65)	4-Nitroaniline	8.228	138	79413m	159.52	ng	
66)	Atrazine	8.837	200	119632	187.53	ng	99
68)	4,6-Dinitro-2-methylph...	8.254	198	63137	184.39	ng	47
69)	n-Nitrosodiphenylamine	8.302	169	282811	164.25	ng	98
71)	1,2-Diphenylhydrazine	8.340	77	428380	160.12	ng	95
72)	4-Bromophenyl-phenylether	8.660	248	93106	177.79	ng	89
73)	Hexachlorobenzene	8.719	284	84511	174.17	ng	80
74)	N-Octadecane	9.013	57	362404	155.10	ng	85
75)	Pentachlorophenol	8.922	266	52333	191.94	ng	97
76)	Phenanthrene	9.141	178	488337	165.74	ng	99
77)	Anthracene	9.195	178	487964	168.60	ng	99
78)	Carbazole	9.371	167	484319	164.22	ng	98
79)	Di-n-butylphthalate	9.766	149	635076	177.98	ng	99
80)	Fluoranthene	10.450	202	601789	173.87	ng	94
82)	Pyrene	10.712	202	619140	170.15	ng	89
83)	Benzidine	10.621	184	110461	100.87	ng	89
85)	4,4'-DDE	10.851	246	128908	181.57	ng	90
86)	Endrin	11.150	81	38958	187.33	ng	76
87)	4,4'-DDD	11.251	235	216581	181.45	ng	89
88)	Butylbenzylphthalate	11.518	149	286024	178.72	ng	96
89)	Endrin aldehyde	11.150	67	18226	163.71	ng	62
90)	4,4'-DDT	11.604	235	198708	184.06	ng	94
91)	Endrin ketone	12.063	317	21953	178.86	ng	99
92)	3,3'-Dichlorobenzidine	12.122	252	128072	146.25	ng	98
93)	Benzo[a]anthracene	12.138	228	544450	166.15	ng	99
94)	Chrysene	12.181	228	497421	162.83	ng	99
95)	bis(2-Ethylhexyl)phtha...	12.224	149	360350	175.82	ng	96
97)	Di-n-octylphthalate	12.972	149	687599	190.91	ng	99
98)	Benzo[b]fluoranthene	13.351	252	522527	178.91	ng	94
99)	Benzo[k]fluoranthene	13.383	252	475014	166.48	ng	94
100)	Benzo[a]pyrene	13.693	252	474839	173.07	ng	91
101)	Indeno[1,2,3-cd]pyrene	14.863	276	480007	169.33	ng	87
102)	Dibenzo[a,h]anthracene	14.884	278	397170	168.36	ng	89
103)	Benzo[g,h,i]perylene	15.178	276	385175	162.85	ng	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 5M54329.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 5M54329.D
Acq On : 12/15/09 10:24
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 5M_1215.M
Qt On : 12/15/09 11:51
Qt Upd On: 12/15/09 10:13
Abundance
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 5M_1215.M
Data File: 5M54328.D Sam Mult : 1 Vial# : 3 Qt On : 12/15/09 14:59
Acq On : 12/15/09 10:02 Misc : A,BNA Qt Upd On: 12/15/09 14:58

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.311	152	24547	40.00	ng	0.00
23) Naphthalene-d8	6.336	136	94457	40.00	ng	0.00
41) Acenaphthene-d10	7.704	164	58466	40.00	ng	0.00
67) Phenanthrene-d10	9.120	188	96645	40.00	ng	0.00
81) Chrysene-d12	12.154	240	86004	40.00	ng	0.01
96) Perylene-d12	13.746	264	84079	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.045	112	210048	209.91	ng	0.00
Spiked Amount 100.000			Recovery = 209.91%			
9) Phenol-d5	5.022	99	307100	224.95	ng	0.00
Spiked Amount 100.000			Recovery = 224.95%			
24) Nitrobenzene-d5	5.776	128	41922	108.03	ng	0.00
Spiked Amount 50.000			Recovery = 216.06%			
46) 2-Fluorobiphenyl	7.148	172	184523	94.53	ng	0.00
Spiked Amount 50.000			Recovery = 189.06%			
70) 2,4,6-Tribromophenol	8.425	330	43108	197.46	ng	0.00
Spiked Amount 100.000			Recovery = 197.46%			
84) Terphenyl-d14	10.920	244	227417	100.54	ng	0.01
Spiked Amount 50.000			Recovery = 201.08%			
Target Compounds						Qvalue
2) Pyridine	2.223	79	246853	208.58	ng	77
3) N-Nitrosodimethylamine	2.186	74	140049	200.99	ng	76
5) Benzaldehyde	4.921	77	93217	95.44	ng	95
6) Aniline	5.028	93	342139	205.73	ng	87
7) Pentachloroethane	5.054	117	86813	198.37	ng	86
8) bis(2-Chloroethyl)ether	5.097	93	191158	197.72	ng	94
10) Phenol	5.033	94	321506	214.75	ng	80
11) 2-Chlorophenol	5.129	128	181554	202.21	ng	96
12) N-Decane	5.183	57	286918	179.80	ng	93
13) 1,3-Dichlorobenzene	5.257	146	182380	196.42	ng	98
14) 1,4-Dichlorobenzene	5.321	146	186112	192.45	ng	97
15) 1,2-Dichlorobenzene	5.450	146	178359	198.33	ng	99
16) Benzyl alcohol	5.444	108	135849	224.26	ng	94
17) bis(2-chloroisopropyl)...	5.556	45	250040	177.51	ng	89
18) 2-Methylphenol	5.546	108	182192	200.40	ng	96
19) Acetophenone	5.658	105	332658	204.41	ng	73
20) Hexachloroethane	5.727	117	77732	194.34	ng	80
21) N-Nitroso-di-n-propyla...	5.669	70	168453	197.49	ng	69
22) 3&4-Methylphenol	5.679	108	183579	206.54	ng	99
25) Nitrobenzene	5.797	77	245167	195.78	ng	94
26) Isophorone	5.989	82	437510	203.00	ng	97
27) 2-Nitrophenol	6.048	139	97595	216.76	ng	89
28) 2,4-Dimethylphenol	6.091	107	214166	204.08	ng	91
29) Benzoic Acid	6.219	105	156692m	188.80	ng	
30) bis(2-Chloroethoxy)met...	6.160	93	229312	196.88	ng	99
31) 2,4-Dichlorophenol	6.240	162	145782	208.97	ng	92
32) 1,2,4-Trichlorobenzene	6.294	180	162709	203.78	ng	98
33) Naphthalene	6.352	128	497996	193.09	ng	99
34) 4-Chloroaniline	6.401	127	146159	174.99	ng	99
35) Hexachlorobutadiene	6.443	225	92690	203.83	ng	98
36) Caprolactam	6.710	113	61568	161.22	ng	72
37) 4-Chloro-3-methylphenol	6.769	107	186092	206.05	ng	99
38) 2-Methylnaphthalene	6.871	142	343299	202.95	ng	96
39) Methylnaphthalenes (To...	6.871	142	343299	202.95	ng	96
40) 1,1'-Biphenyl	7.229	154	510947	206.99	ng	98
42) 1,2,4,5-Tetrachloroben...	6.999	216	198379	194.49	ng	98
43) Hexachlorocyclopentadiene	6.988	237	85797	191.22	ng	99
44) 2,4,6-Trichlorophenol	7.090	196	112245	210.17	ng	97
45) 2,4,5-Trichlorophenol	7.127	196	116694	203.28	ng	100
47) 2-Chloronaphthalene	7.250	162	325918	189.11	ng	93
48) 1,4-Dimethylnaphthalene	7.517	156	349516	195.63	ng	93
49) Dimethylnaphthalenes (...	7.517	156	349516	195.63	ng	93
50) Diphenyl Ether	7.309	170	273184	194.15	ng	89
51) 2-Nitroaniline	7.335	65	144383	179.07	ng	88
52) Acenaphthylene	7.587	152	534171	199.47	ng	99
53) Dimethylphthalate	7.485	163	403014	193.43	ng	99
54) 2,6-Dinitrotoluene	7.538	165	84167	187.23	ng	71
55) Acenaphthene	7.736	153	340938	202.10	ng	97
56) 3-Nitroaniline	7.677	138	81281	191.50	ng	29
57) 2,4-Dinitrophenol	7.774	184	54317	191.55	ng	74
58) Dibenzofuran	7.886	168	498215	197.22	ng	89
59) 2,4-Dinitrotoluene	7.886	165	131578	213.81	ng	92

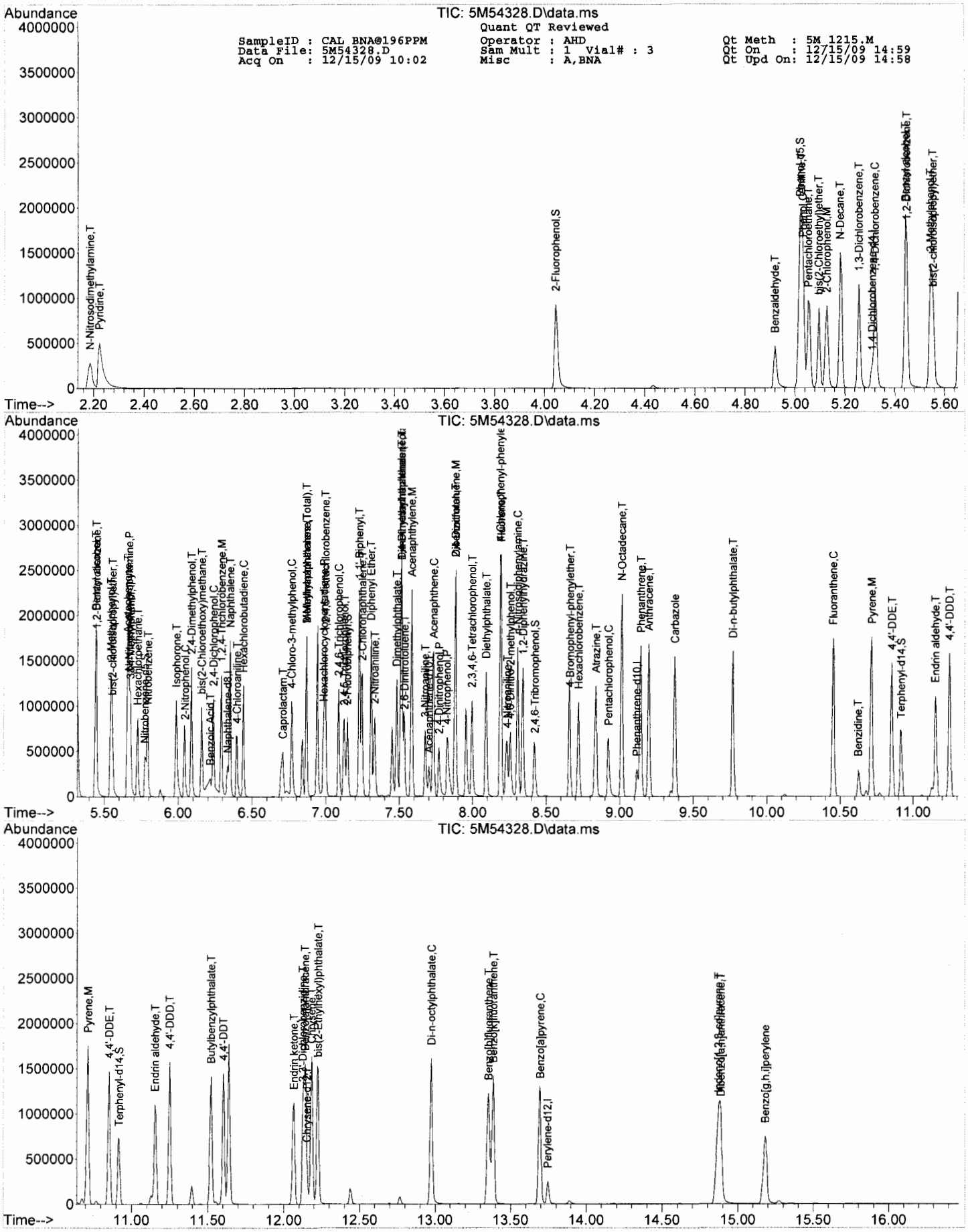
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM
Data File: 5M54328.D
Acq On : 12/15/09 10:02
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_1215.M
Qt On : 12/15/09 14:59
Qt Upd On: 12/15/09 14:58

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
60) 4-Nitrophenol	7.827	65	106279	193.65 ng	92
61) 2,3,4,6-Tetrachlorophenol	7.998	232	94420	215.56 ng	88
62) Fluorene	8.196	166	433125	204.92 ng	99
63) 4-Chlorophenyl-phenyle...	8.190	204	210763	210.24 ng	88
64) Diethylphthalate	8.094	149	424211	201.23 ng	99
65) 4-Nitroaniline	8.238	138	95088	192.92 ng	94
66) Atrazine	8.842	200	145470	211.96 ng	98
68) 4,6-Dinitro-2-methylph...	8.260	198	77417	196.44 ng	42
69) n-Nitrosodiphenylamine	8.308	169	351937	208.97 ng	99
71) 1,2-Diphenylhydrazine	8.345	77	528540	195.42 ng	95
72) 4-Bromophenyl-phenylether	8.666	248	115543	215.81 ng	88
73) Hexachlorobenzene	8.724	284	106545	209.37 ng	77
74) N-Octadecane	9.018	57	435653	197.03 ng	84
75) Pentachlorophenol	8.927	266	65768	196.31 ng	98
76) Phenanthrene	9.146	178	589744	204.48 ng	99
77) Anthracene	9.200	178	599744	208.22 ng	99
78) Carbazole	9.376	167	603900	211.79 ng	98
79) Di-n-butylphthalate	9.771	149	775616	218.20 ng	100
80) Fluoranthene	10.455	202	729737	214.00 ng	96
82) Pyrene	10.717	202	748893	204.79 ng	89
83) Benzidine	10.626	184	104101	98.06 ng	89
85) 4,4'-DDE	10.856	246	160021	211.96 ng	91
86) Endrin	11.155	81	47751	210.72 ng	75
87) 4,4'-DDD	11.251	235	261606	208.72 ng	87
88) Butylbenzylphthalate	11.524	149	338060	214.07 ng	97
89) Endrin aldehyde	11.155	67	22343	198.58 ng	62
90) 4,4'-DDT	11.604	235	243313	220.55 ng	94
91) Endrin ketone	12.069	317	26564	216.95 ng	98
92) 3,3'-Dichlorobenzidine	12.127	252	144705	195.63 ng	98
93) Benzo[a]anthracene	12.143	228	666326	200.11 ng	100
94) Chrysene	12.186	228	612229	198.93 ng	97
95) bis(2-Ethylhexyl)phtha...	12.229	149	431411	210.28 ng	95
97) Di-n-octylphthalate	12.977	149	843253	195.72 ng	100
98) Benzo[b]fluoranthene	13.356	252	657911	228.17 ng	94
99) Benzo[k]fluoranthene	13.388	252	540826	195.82 ng	92
100) Benzo[a]pyrene	13.698	252	574625	212.22 ng	90
101) Indeno[1,2,3-cd]pyrene	14.873	276	576773	211.28 ng	91
102) Dibenzo[a,h]anthracene	14.889	278	471464	209.13 ng	90
103) Benzo[g,h,i]perylene	15.183	276	456949	203.62 ng	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 5M54328.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 5M54328.D
Acq On : 12/15/09 10:02
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 5M_1215.M
Qt On : 12/15/09 14:59
Qt Upd On: 12/15/09 14:58
Abundance
Time-->

0237

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M22189.	CAL BNA@50PPM	12/17/09 10:22	2	9M22196.	CAL BNA@2PPM	12/17/09 13:02
3	9M22197.	CAL BNA@10PPM	12/17/09 13:27	4	9M22194.	CAL BNA@20PPM	12/17/09 12:16
5	9M22193.	CAL BNA@80PPM	12/17/09 11:53	6	9M22192.	CAL BNA@120PPM	12/17/09 11:31
7	9M22191.	CAL BNA@160PPM	12/17/09 11:08	8	9M22190.	CAL BNA@196PPM	12/17/09 10:45

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Avg	1.3541	1.2749	1.0920	1.3170	1.4429	1.4062	1.4477	1.4065	-----	1.34	2.82	0.999	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Qua	0.8231	0.6631	0.7191	0.8073	0.8762	0.8535	0.8636	0.8504	-----	0.807	2.75	1.00	1.00	9.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.2287	1.2821	1.0382	1.1300	1.2774	1.2784	1.3298	1.3161	-----	1.24	4.47	0.999	1.00	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	1.1623	1.4716	1.2795	1.3058	1.0535	0.6207	0.4791	0.4169	-----	0.974	5.30	0.854	0.992	42		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	Avg	2.1121	2.1480	1.9732	2.0234	2.0718	2.0393	2.0813	2.0518	-----	2.06	5.40	1.00	1.00	2.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.6082	0.7277	0.6372	0.6156	0.6383	0.6195	0.6379	0.6028	-----	0.636	5.44	0.998	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.3747	1.6474	1.2936	1.3043	1.3155	1.2928	1.3111	1.2948	-----	1.35	5.46	1.00	1.00	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.7360	1.7796	1.6219	1.7419	1.7116	1.7272	1.8356	1.8104	-----	1.75	5.37	0.999	0.999	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	1.9575	2.2915	1.7889	1.7674	1.8657	1.8664	1.9479	1.9258	-----	1.93	5.38	0.999	1.00	8.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.4422	1.5631	1.3794	1.3866	1.4107	1.4025	1.4360	1.4359	-----	1.43	5.50	1.00	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.6956	2.0523	1.6624	1.6191	1.7764	1.6795	1.6889	1.6146	-----	1.72	5.55	0.998	0.999	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,3-Dichlorobenzene	1	0	Avg	1.4945	1.7019	1.5012	1.4890	1.4915	1.4555	1.4656	1.4366	-----	1.50	5.63	1.00	1.00	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dichlorobenzene	1	0	Avg	1.5394	2.0493	1.5042	1.4972	1.5827	1.5243	1.5359	1.4795	-----	1.59	5.69	0.999	1.00	12	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Dichlorobenzene	1	0	Avg	1.4535	1.6953	1.4194	1.4407	1.4375	1.4092	1.4421	1.4045	-----	1.46	5.82	1.00	1.00	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.9754	0.8898	0.8959	0.9126	0.9078	0.9134	0.9603	0.9464	-----	0.925	5.80	0.999	0.999	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	2.1454	2.6551	2.1465	2.1459	2.0526	2.0425	2.1288	2.0719	-----	2.17	5.91	0.999	0.999	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.3193	1.3969	1.2190	1.3254	1.2223	1.2421	1.3072	1.2746	-----	1.29	5.89	0.999	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acetophenone	1	0	Avg	2.3454	2.8931	2.3148	2.3434	2.2380	2.2083	2.2663	2.2366	-----	2.36	6.01	1.00	1.00	9.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6154	0.7074	0.6262	0.5932	0.6271	0.6073	0.6168	0.6216	-----	0.627	6.10	1.00	1.00	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.1619	1.4662	1.1247	1.1670	1.0925	1.0817	1.1237	1.1059	-----	1.17	6.01	0.999	0.999	11	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.3964	1.5769	1.3551	1.4028	1.2917	1.3225	1.3489	1.3262	-----	1.38	6.02	1.00	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Nitrobenzene-d5	1	0	Avg	0.1653	0.2158	0.1626	0.1627	0.1688	0.1674	0.1800	0.1732	-----	0.175	6.13	0.998	0.999	10		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3844	0.4882	0.3726	0.3848	0.3874	0.3699	0.3850	0.3902	-----	0.395	6.15	0.999	1.00	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7315	0.9621	0.7209	0.7373	0.7132	0.7020	0.7417	0.7502	-----	0.757	6.34	0.999	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1863	0.1967	0.1752	0.1810	0.1878	0.1865	0.2001	0.2006	-----	0.189	6.40	0.998	1.00	4.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dimethylphenol	1	0	Avg	0.3753	0.4548	0.3436	0.3676	0.3662	0.3602	0.3853	0.3873	-----	0.380	6.43	0.998	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.2231	0.1673	0.1078	0.1778	0.2378	0.2505	0.2578	0.2692	-----	0.211	6.50	0.998	1.00	26		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.4221	0.5165	0.4339	0.4232	0.4102	0.4101	0.4206	0.4303	-----	0.433	6.50	0.999	1.00	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dichlorophenol	1	0	Avg	0.2841	0.3406	0.2671	0.2742	0.2806	0.2807	0.2892	0.2940	-----	0.289	6.58	0.999	1.00	7.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4-Trichlorobenzene	1	0	Avg	0.3086	0.3955	0.3163	0.3074	0.3152	0.3082	0.3186	0.3177	-----	0.323	6.65	1.00	1.00	9.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0425	1.3263	1.0669	1.0509	1.0313	1.0037	1.0392	1.0503	-----	1.08	6.71	0.999	1.00	9.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloroaniline	1	0	Avg	0.4153	0.4275	0.3781	0.4210	0.3777	0.3617	0.3453	0.3347	-----	0.383	6.74	0.996	1.00	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1494	0.1988	0.1610	0.1464	0.1530	0.1495	0.1488	0.1496	-----	0.157	6.80	1.00	1.00	11	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1354	0.1456	0.1158	0.1335	0.1320	0.1318	0.1346	0.1243	-----	0.132	7.02	0.997	0.998	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3299	0.3650	0.3106	0.3030	0.3110	0.3040	0.3305	0.3394	-----	0.324	7.11	0.997	0.999	6.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7251	0.9262	0.7251	0.7077	0.6889	0.6919	0.7171	0.7307	-----	0.739	7.23	0.999	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7251	0.9262	0.7251	0.7077	0.6889	0.6919	0.7171	0.7307	-----	0.739	7.23	0.999	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,1'-Biphenyl	1	0	Avg	1.0406	1.2355	1.0510	1.0651	1.0010	0.9699	1.0187	1.0461	-----	1.05	7.60	0.998	0.999	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4,5-Tetrachloroben	1	0	Avg	0.6189	0.7354	0.6145	0.6174	0.6051	0.5996	0.6150	0.5987	-----	0.626	7.37	1.00	1.00	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.1994	0.0801	0.1269	0.1771	0.2321	0.2412	0.2633	0.2553	-----	0.197	7.36	0.997	0.998	33	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Trichlorophenol	1	0	Avg	0.3230	0.3977	0.3165	0.3290	0.3208	0.3309	0.3462	0.3344	-----	0.337	7.45	0.999	0.999	7.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.38

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0238

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M22189.	CAL BNA@50PPM	12/17/09 10:22	2	9M22196.	CAL BNA@2PPM	12/17/09 13:02
3	9M22197.	CAL BNA@10PPM	12/17/09 13:27	4	9M22194.	CAL BNA@20PPM	12/17/09 12:16
5	9M22193.	CAL BNA@80PPM	12/17/09 11:53	6	9M22192.	CAL BNA@120PPM	12/17/09 11:31
7	9M22191.	CAL BNA@160PPM	12/17/09 11:08	8	9M22190.	CAL BNA@196PPM	12/17/09 10:45

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.5-Trichlorophenol	1	0	Avg	0.3686	0.4199	0.3537	0.3592	0.3506	0.3483	0.3779	0.3645	-----	0.368	7.49	0.998	0.998	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3778	1.7486	1.3634	1.3415	1.2986	1.2954	1.3583	1.2920	-----	1.38	7.52	0.999	0.999	11		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1486	1.4746	1.2091	1.1638	1.1517	1.1180	1.1716	1.1374	-----	1.20	7.63	0.999	0.999	9.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	1.2604	1.6342	1.2972	1.2604	1.2204	1.2005	1.2445	1.1940	-----	1.29	7.91	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	1.2604	1.6342	1.2972	1.2604	1.2204	1.2005	1.2445	1.1940	-----	1.29	7.91	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.9420	1.1929	0.9631	0.9774	0.9195	0.9114	0.9454	0.9266	-----	0.972	7.69	1.00	1.00	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.5272	0.5843	0.4996	0.5178	0.5174	0.5118	0.5337	0.5151	-----	0.526	7.71	0.999	0.999	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9802	2.5972	1.9785	1.9814	1.9077	1.8976	1.9701	1.9042	-----	2.03	7.98	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3858	1.6460	1.3978	1.3926	1.3183	1.2999	1.3920	1.3434	-----	1.40	7.85	0.999	0.999	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.3077	0.3892	0.2913	0.3005	0.3021	0.2952	0.3082	0.2968	-----	0.311	7.91	0.999	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2411	1.6512	1.2198	1.2607	1.1842	1.2056	1.2509	1.2163	-----	1.28	8.13	0.999	0.999	12	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3436	0.3276	0.3359	0.3459	0.3187	0.3222	0.3107	0.2951	-----	0.325	8.06	0.997	1.00	5.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1448	-----	0.0674	0.1141	0.1545	0.1600	0.1777	0.1780	-----	0.142	8.15	0.997	0.999	28	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.6731	2.1734	1.6532	1.6606	1.5855	1.5945	1.6433	1.6084	-----	1.70	8.29	1.00	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrotoluene	1	0	Avg	0.4348	0.5039	0.3757	0.4050	0.4166	0.4177	0.4409	0.4120	-----	0.426	8.27	0.998	0.998	8.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.2816	0.2765	0.2700	0.2818	0.2718	0.2637	0.2831	0.2746	-----	0.275	8.19	0.999	0.999	2.5	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Avg	0.2659	0.3090	0.2358	0.2679	0.2751	0.2734	0.2981	0.2852	-----	0.276	8.40	0.998	0.998	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.3982	1.7401	1.3769	1.4108	1.3307	1.3348	1.3817	1.3422	-----	1.41	8.61	1.00	1.00	9.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.6117	0.8194	0.5987	0.5996	0.5788	0.5715	0.5842	0.5835	-----	0.618	8.60	1.00	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.4766	1.9621	1.5459	1.4974	1.4309	1.4054	1.4655	1.4143	-----	1.52	8.48	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3782	0.4124	0.3797	0.3711	0.3706	0.3669	0.3836	0.3662	-----	0.379	8.62	0.999	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.4404	0.5511	0.4502	0.4180	0.4137	0.4203	0.4238	0.4093	-----	0.441	9.25	0.999	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Avg	0.1297	-----	0.0864	0.1181	0.1272	0.1321	0.1413	0.1401	-----	0.125	8.65	0.998	0.999	15		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7367	0.9149	0.7061	0.7463	0.7075	0.6795	0.7165	0.7124	-----	0.740	8.71	0.999	0.999	9.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Avg	0.0806	0.0714	0.0743	0.0751	0.0760	0.0760	0.0809	0.0813	-----	0.0770	8.84	0.999	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	0.9729	1.2084	0.9771	0.9809	0.9426	0.9150	0.9537	0.9568	-----	0.988	8.75	0.999	1.00	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.1950	0.1961	0.2015	0.1958	0.1840	0.1861	0.1917	0.1956	-----	0.193	9.09	0.999	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1874	0.2173	0.1931	0.1795	0.1823	0.1795	0.1866	0.1828	-----	0.189	9.15	1.00	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.6900	0.7461	0.6591	0.6761	0.6737	0.6557	0.6837	0.6914	-----	0.685	9.43	0.999	1.00	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.1037	-----	0.0586	0.0891	0.1045	0.1084	0.1179	0.1214	-----	0.101	9.35	0.997	0.999	21	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.2018	1.4597	1.1992	1.2338	1.1545	1.1531	1.1912	1.1735	-----	1.22	9.58	1.00	1.00	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.2555	1.6526	1.2204	1.2444	1.1974	1.1837	1.2152	1.1968	-----	1.27	9.64	1.00	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.2313	1.5449	1.1930	1.2394	1.1586	1.1643	1.1910	1.1825	-----	1.24	9.81	1.00	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.6220	1.9770	1.5705	1.5742	1.5562	1.5345	1.5739	1.5838	-----	1.62	10.19	1.00	1.00	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.2799	1.5049	1.2236	1.2456	1.2215	1.2145	1.2478	1.2491	-----	1.27	10.91	1.00	1.00	7.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.6833	1.9908	1.6282	1.6513	1.6193	1.6031	1.6864	1.7162	-----	1.70	11.18	0.999	1.00	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.6243	0.5546	0.5847	0.6548	0.5451	0.3844	0.3019	-----	-----	0.521	11.06	0.908	0.996	25		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Terphenyl-d14	1	0	Avg	1.0468	1.2896	1.0328	1.0161	1.0046	0.9995	1.0607	1.1020	-----	1.07	11.36	0.997	0.999	8.9		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
p.p'-DDE	1	0	Avg	0.3208	0.3340	0.3170	0.3097	0.3029	0.3091	0.3219	0.3319	-----	0.318	11.30	0.998	1.00	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin	1	0	Avg	0.1197	0.1470	0.1118	0.1160	0.1137	0.1136	0.1216	0.1224	-----	0.121	11.62	0.998	0.999	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p.p'-DDD	1	0	Avg	0.5627	0.6631	0.5280	0.5703	0.5606	0.5581	0.5770	0.5851	-----	0.576	11.70	0.999	1.00	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.38

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0239

Method: EPA 8270C

Form 6
Initial Calibration

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M22189.	CAL BNA@50PPM	12/17/09 10:22	2	9M22196.	CAL BNA@2PPM	12/17/09 13:02
3	9M22197.	CAL BNA@10PPM	12/17/09 13:27	4	9M22194.	CAL BNA@20PPM	12/17/09 12:16
5	9M22193.	CAL BNA@80PPM	12/17/09 11:53	6	9M22192.	CAL BNA@120PPM	12/17/09 11:31
7	9M22191.	CAL BNA@160PPM	12/17/09 11:08	8	9M22190.	CAL BNA@196PPM	12/17/09 10:45

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.9071	1.0948	0.8697	0.8821	0.8952	0.9024	0.9327	0.9461	-----	0.929	11.95	0.999	1.00	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin aldehyde	1	0	Avg	0.0415	-----	0.0469	0.0381	0.0405	0.0408	0.0415	0.0444	-----	0.0420	11.62	0.996	0.999	6.9		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
p,p'-DDT	1	0	Avg	0.5045	0.5409	0.4772	0.4936	0.4930	0.4928	0.5103	0.5193	-----	0.504	12.05	0.999	1.00	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin ketone	1	0	Avg	0.0581	0.0518	0.0628	0.0602	0.0599	0.0577	0.0595	0.0590	-----	0.0587	12.54	1.00	1.00	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.4333	0.4970	0.4293	0.4444	0.4207	0.3635	0.3453	0.3489	-----	0.410	12.57	0.990	0.998	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.4456	1.7295	1.3870	1.3963	1.3818	1.4038	1.4133	1.4282	-----	1.45	12.60	1.00	1.00	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.3679	1.5893	1.3551	1.3201	1.3188	1.2992	1.3200	1.3126	-----	1.36	12.64	1.00	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	1.3238	1.5839	1.2808	1.3012	1.2700	1.2577	1.2642	1.2739	-----	1.32	12.65	1.00	1.00	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Avg	2.1959	2.3835	2.0766	2.0925	2.1454	2.1425	2.2489	2.3087	-----	2.20	13.40	0.998	1.00	4.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.3216	1.4573	1.3039	1.2832	1.2581	1.3124	1.3734	1.3225	-----	1.33	13.81	0.999	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.2339	1.4959	1.2316	1.1850	1.2348	1.1570	1.1576	1.2199	-----	1.24	13.85	0.998	0.998	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.2202	1.4647	1.1785	1.1943	1.1929	1.1898	1.2233	1.2140	-----	1.23	14.16	1.00	1.00	7.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.2146	1.5013	1.1828	1.1928	1.2247	1.2198	1.2113	1.2304	-----	1.25	15.48	1.00	1.00	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	1.0185	1.1602	0.9919	0.9692	1.0117	1.0030	0.9990	1.0150	-----	1.02	15.50	1.00	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.9995	1.3089	0.9783	0.9523	1.0090	0.9940	0.9996	1.0163	-----	1.03	15.85	1.00	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.38

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM
Data File: 9M22189.D
Acq On : 12/17/09 10:22

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:16
Qt Upd On: 12/14/09 15:36

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.684	152	34786	40.00	ng	0.00
23) Naphthalene-d8	6.694	136	141169	40.00	ng	0.00
41) Acenaphthene-d10	8.106	164	79115	40.00	ng	0.00
67) Phenanthrene-d10	9.556	188	129086	40.00	ng	0.00
81) Chrysene-d12	12.610	240	104227	40.00	ng	0.00
96) Perylene-d12	14.220	264	106340	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.469	112	53429	52.27	ng	0.00
Spiked Amount 100.000			Recovery = 52.27%			
9) Phenol-d5	5.368	99	75486	48.90	ng	0.00
Spiked Amount 100.000			Recovery = 48.90%			
24) Nitrobenzene-d5	6.133	128	14585	24.57	ng	0.00
Spiked Amount 50.000			Recovery = 49.14%			
46) 2-Fluorobiphenyl	7.523	172	68130	26.52	ng	0.00
Spiked Amount 50.000			Recovery = 53.04%			
70) 2,4,6-Tribromophenol	8.839	330	13014	64.92	ng	0.00
Spiked Amount 100.000			Recovery = 64.92%			
84) Terphenyl-d14	11.364	244	68195	24.00	ng	0.00
Spiked Amount 50.000			Recovery = 48.00%			
Target Compounds						Qvalue
2) Pyridine	2.817	79	58883	63.18	ng	84
3) N-Nitrosodimethylamine	2.747	74	35791	62.21	ng	94
5) Benzaldehyde	5.304	77	50540	49.32	ng	77
6) Aniline	5.400	93	91843	59.86	ng	92
7) Pentachloroethane	5.437	117	26448	52.35	ng	80
8) bis(2-Chloroethyl)ether	5.459	93	59779	51.78	ng	87
10) Phenol	5.384	94	85120	51.77	ng	91
11) 2-Chlorophenol	5.502	128	62714	49.09	ng	81
12) N-Decane	5.550	57	73733	71.29	ng	85
13) 1,3-Dichlorobenzene	5.630	146	64987	51.14	ng	99
14) 1,4-Dichlorobenzene	5.694	146	66938	49.90	ng	97
15) 1,2-Dichlorobenzene	5.817	146	63204	49.28	ng	98
16) Benzyl alcohol	5.796	108	42413	52.14	ng	80
17) bis(2-chloroisopropyl)...	5.908	45	93291	61.02	ng	83
18) 2-Methylphenol	5.892	108	57368	49.48	ng	95
19) Acetophenone	6.010	105	101985	46.49	ng	84
20) Hexachloroethane	6.095	117	26760	49.30	ng	93
21) N-Nitroso-di-n-propyla...	6.010	70	50525	52.67	ng	92
22) 3&4-Methylphenol	6.015	108	60722	46.44	ng	94
25) Nitrobenzene	6.149	77	67834	57.48	ng	80
26) Isophorone	6.336	82	129092	53.66	ng	87
27) 2-Nitrophenol	6.400	139	32881	51.51	ng	87
28) 2,4-Dimethylphenol	6.427	107	66235	51.83	ng	96
29) Benzoic Acid	6.502	105	39376m	54.42	ng	
30) bis(2-Chloroethoxy)met...	6.502	93	74485	53.57	ng	96
31) 2,4-Dichlorophenol	6.582	162	50133	48.69	ng	90
32) 1,2,4-Trichlorobenzene	6.646	180	54471	48.26	ng	93
33) Naphthalene	6.710	128	183968	49.93	ng	98
34) 4-Chloroaniline	6.743	127	73300	59.62	ng	97
35) Hexachlorobutadiene	6.796	225	26373	45.18	ng	96
36) Caprolactam	7.021	113	23895	44.28	ng	77
37) 4-Chloro-3-methylphenol	7.106	107	58216	49.87	ng	85
38) 2-Methylnaphthalene	7.235	142	127952	48.89	ng	99
39) Methylnaphthalenes (To...	7.235	142	127952	48.89	ng	99
40) 1,1'-Biphenyl	7.604	154	183625	47.66	ng	97
42) 1,2,4,5-Tetrachloroben...	7.368	216	61208	50.95	ng	98
43) Hexachlorocyclopentadiene	7.358	237	19728	54.74	ng	92
44) 2,4,6-Trichlorophenol	7.454	196	31949	47.79	ng	100
45) 2,4,5-Trichlorophenol	7.486	196	36457	48.75	ng	93
47) 2-Chloronaphthalene	7.630	162	113593	50.15	ng	95
48) 1,4-Dimethylnaphthalene	7.909	156	124650	50.60	ng	91
49) Dimethylnaphthalenes (...	7.909	156	124650	50.60	ng	91
50) Diphenyl Ether	7.689	170	93165	50.34	ng	87
51) 2-Nitroaniline	7.705	65	52140	63.10	ng	75
52) Acenaphthylene	7.983	152	195836	50.97	ng	100
53) Dimethylphthalate	7.850	163	137050	48.13	ng	98
54) 2,6-Dinitrotoluene	7.909	165	30432	48.16	ng	80
55) Acenaphthene	8.133	153	122745	50.10	ng	94
56) 3-Nitroaniline	8.058	138	33984	54.94	ng	81
57) 2,4-Dinitrophenol	8.149	184	14323	52.54	ng	87
58) Dibenzofuran	8.288	168	165461	48.78	ng	90
59) 2,4-Dinitrotoluene	8.267	165	43006	49.35	ng	65

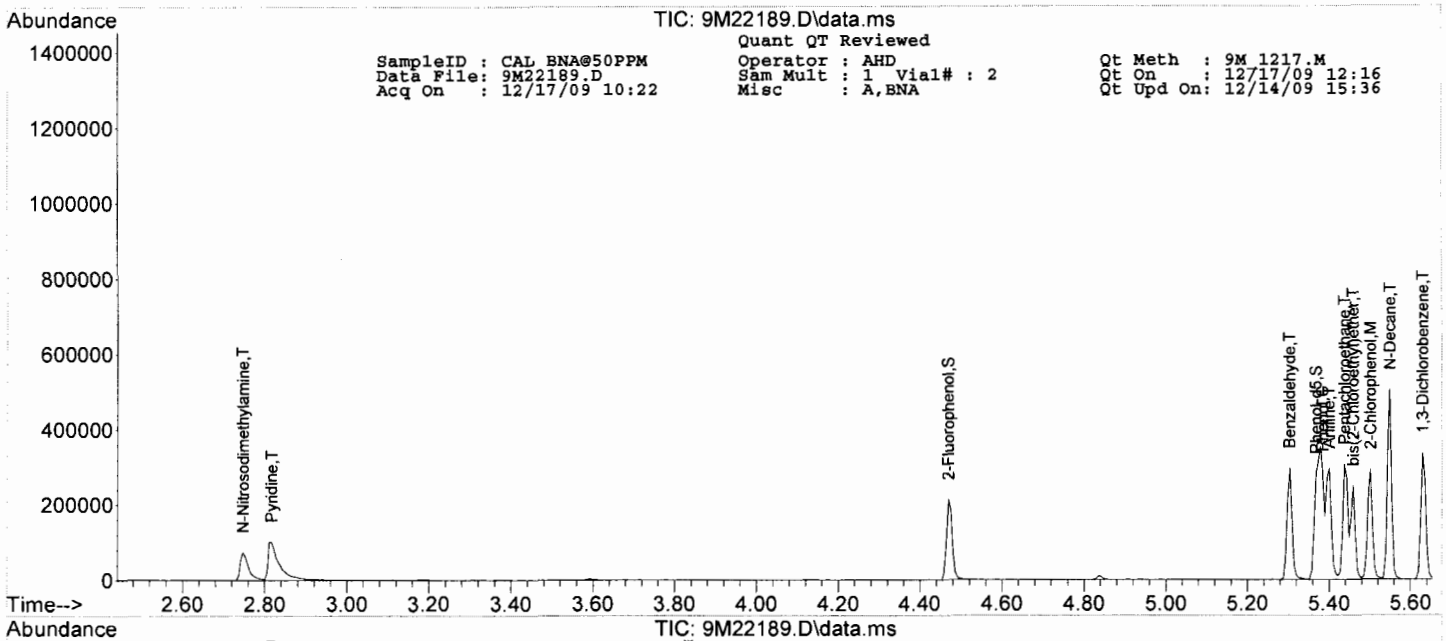
Quantitation Report (QT Reviewed)

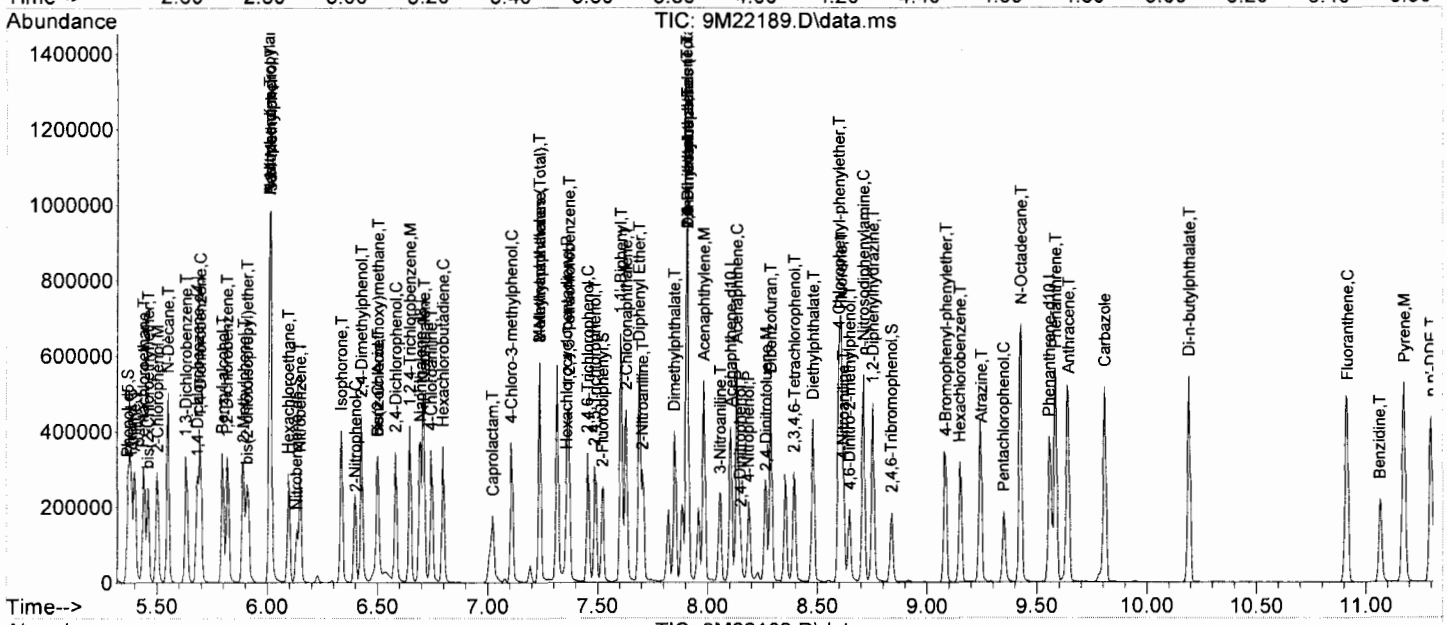
SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22189.D Sam Mult : 1 Vial# : 2 Qt On : 12/17/09 12:16
Acq On : 12/17/09 10:22 Misc : A,BNA Qt Upd On: 12/14/09 15:36

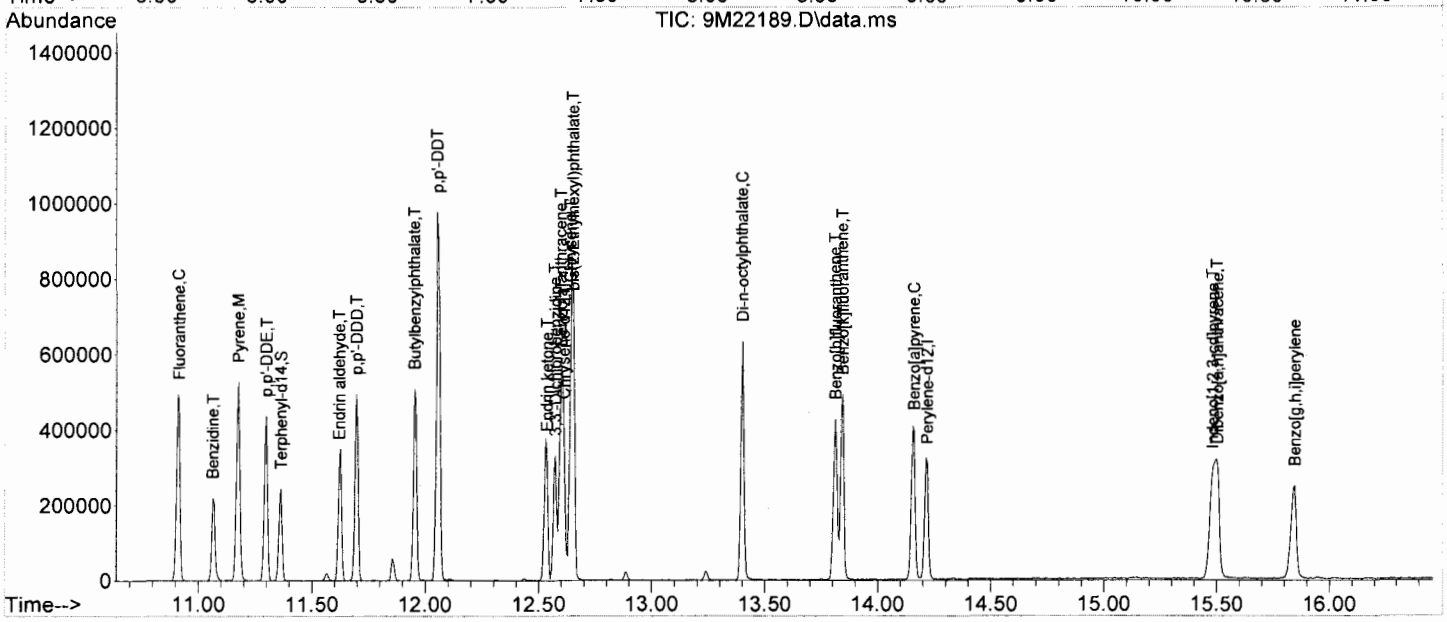
Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	8.187	65	27853	61.29	ng	87
61)	2,3,4,6-Tetrachlorophenol	8.395	232	26296	40.47	ng	92
62)	Fluorene	8.609	166	138280	47.87	ng	99
63)	4-Chlorophenyl-phenyle...	8.599	204	60498	45.97	ng	98
64)	Diethylphthalate	8.481	149	146032	47.14	ng	99
65)	4-Nitroaniline	8.620	138	37409	47.62	ng	85
66)	Atrazine	9.246	200	43560	43.69	ng	99
68)	4,6-Dinitro-2-methylph...	8.647	198	20942	51.71	ng	49
69)	n-Nitrosodiphenylamine	8.711	169	118872	53.56	ng	98
71)	1,2-Diphenylhydrazine	8.754	77	156996	61.98	ng	88
72)	4-Bromophenyl-phenylether	9.085	248	31469	48.93	ng	93
73)	Hexachlorobenzene	9.149	284	30246	50.62	ng	90
74)	N-Octadecane	9.428	57	111350	74.24	ng	84
75)	Pentachlorophenol	9.347	266	16746	54.40	ng	99
76)	Phenanthrene	9.583	178	193924	49.35	ng	100
77)	Anthracene	9.642	178	202590	51.13	ng	99
78)	Carbazole	9.807	167	198681	49.51	ng	99
79)	Di-n-butylphthalate	10.192	149	261728	51.09	ng	97
80)	Fluoranthene	10.914	202	206531	46.20	ng	91
82)	Pyrene	11.177	202	219315	53.34	ng	92
83)	Benzidine	11.064	184	81339	59.16	ng	89
85)	p,p'-DDE	11.300	246	41807	49.21	ng	94
86)	Endrin	11.621	81	15607	62.85	ng	85
87)	p,p'-DDD	11.695	235	73312	48.22	ng	83
88)	Butylbenzylphthalate	11.952	149	118186	54.45	ng	84
89)	Endrin aldehyde	11.621	67	5417	72.18	ng	66
90)	p,p'-DDT	12.054	235	65736	51.15	ng	90
91)	Endrin ketone	12.535	317	7573	57.50	ng	94
92)	3,3'-Dichlorobenzidine	12.573	252	56461	55.88	ng	97
93)	Benzo[a]anthracene	12.599	228	188340	46.97	ng	98
94)	Chrysene	12.642	228	178215	47.93	ng	97
95)	bis(2-Ethylhexyl)phtha...	12.653	149	172477	55.70	ng	97
97)	Di-n-octylphthalate	13.402	149	291896	57.23	ng	100
98)	Benzo[b]fluoranthene	13.813	252	175676	48.53	ng	97
99)	Benzo[k]fluoranthene	13.846	252	164019	48.78	ng	96
100)	Benzo[a]pyrene	14.161	252	162196	48.09	ng	95
101)	Indeno[1,2,3-cd]pyrene	15.482	276	161459	44.99	ng	100
102)	Dibenzo[a,h]anthracene	15.504	278	135385	47.25	ng	98
103)	Benzo[g,h,i]perylene	15.846	276	132863	44.48	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M22189.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M22189.D
Acq On : 12/17/09 10:22
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:16
Qt Upd On: 12/14/09 15:36
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 9M22189.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2,4-Dimethylphenol,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Hexachlorobutadiene,C
Dimethylphthalate,T
Acenaphthylene,M
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Time-->


Abundance
TIC: 9M22189.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo(a)pyrene,C
Perylene-d12,I
Benzo(g,h,i)perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM
Data File: 9M22196.D
Acq On : 12/17/09 13:02

Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA

Qt Meth : 9M_1217.M
Qt On : 12/17/09 13:20
Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.678	152	33445	40.00	ng	0.00
23) Naphthalene-d8	6.689	136	136210	40.00	ng	0.00
41) Acenaphthene-d10	8.101	164	77590	40.00	ng	0.00
67) Phenanthrene-d10	9.556	188	131873	40.00	ng	0.00
81) Chrysene-d12	12.605	240	110296	40.00	ng	0.00
96) Perylene-d12	14.215	264	115041	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.475	112	2144	2.18	ng	0.00
Spiked Amount 100.000			Recovery = 2.18%			
9) Phenol-d5	5.368	99	2976	2.01	ng	0.00
Spiked Amount 100.000			Recovery = 2.01%			
24) Nitrobenzene-d5	6.133	128	735	1.28	ng	0.00
Spiked Amount 50.000			Recovery = 2.56%			
46) 2-Fluorobiphenyl	7.518	172	3392	1.35	ng	0.00
Spiked Amount 50.000			Recovery = 2.70%			
70) 2,4,6-Tribromophenol	8.839	330	471	2.30	ng	0.00
Spiked Amount 100.000			Recovery = 2.30%			
84) Terphenyl-d14	11.358	244	3556	1.18	ng	0.00
Spiked Amount 50.000			Recovery = 2.36%			
Target Compounds						Qvalue
2) Pyridine	2.881	79	2132m	2.38	ng	
3) N-Nitrosodimethylamine	2.785	74	1109	2.09	ng	69
5) Benzaldehyde	5.304	77	2461	2.50	ng	84
6) Aniline	5.400	93	3592	2.70	ng	81
7) Pentachloroethane	5.437	117	1217	2.51	ng	78
8) bis(2-Chloroethyl)ether	5.459	93	2755	2.48	ng	79
10) Phenol	5.379	94	3832	2.42	ng	95
11) 2-Chlorophenol	5.502	128	2614	2.13	ng	84
12) N-Decane	5.544	57	3432	3.45	ng	94
13) 1,3-Dichlorobenzene	5.630	146	2846	2.33	ng	97
14) 1,4-Dichlorobenzene	5.694	146	3427	2.66	ng	100
15) 1,2-Dichlorobenzene	5.817	146	2835	2.30	ng	94
16) Benzyl alcohol	5.796	108	1488	1.90	ng	79
17) bis(2-chloroisopropyl)...	5.903	45	4440	3.02	ng	95
18) 2-Methylphenol	5.887	108	2336	2.10	ng	88
19) Acetophenone	6.010	105	4838	2.29	ng	70
20) Hexachloroethane	6.095	117	1183	2.27	ng	73
21) N-Nitroso-di-n-propyla...	6.010	70	2452	2.66	ng	93
22) 3&4-Methylphenol	6.015	108	2637	2.10	ng	85
25) Nitrobenzene	6.143	77	3325	2.92	ng	92
26) Isophorone	6.331	82	6553	2.82	ng	84
27) 2-Nitrophenol	6.395	139	1340	2.18	ng	91
28) 2,4-Dimethylphenol	6.427	107	3098	2.51	ng	87
29) Benzoic Acid	6.475	105	1140	1.92	ng	78
30) bis(2-Chloroethoxy)met...	6.497	93	3518	2.62	ng	94
31) 2,4-Dichlorophenol	6.582	162	2320	2.34	ng	85
32) 1,2,4-Trichlorobenzene	6.646	180	2694	2.47	ng	98
33) Naphthalene	6.705	128	9033	2.54	ng	98
34) 4-Chloroaniline	6.743	127	2912	2.29	ng	85
35) Hexachlorobutadiene	6.796	225	1354	2.40	ng	93
36) Caprolactam	6.989	113	992	1.91	ng	73
37) 4-Chloro-3-methylphenol	7.101	107	2486	2.21	ng	58
38) 2-Methylnaphthalene	7.235	142	6308	2.50	ng	89
39) Methylnaphthalenes (To...	7.235	142	6308	2.50	ng	89
40) 1,1'-Biphenyl	7.604	154	8415	2.26	ng	86
42) 1,2,4,5-Tetrachloroben...	7.363	216	2853	2.42	ng	89
43) Hexachlorocyclopentadiene	7.352	237	311	1.02	ng	85
44) 2,4,6-Trichlorophenol	7.454	196	1543	2.35	ng	92
45) 2,4,5-Trichlorophenol	7.481	196	1629	2.22	ng	79
47) 2-Chloronaphthalene	7.625	162	5721	2.58	ng	92
48) 1,4-Dimethylnaphthalene	7.903	156	6340	2.62	ng	94
49) Dimethylnaphthalenes (...	7.903	156	6340	2.62	ng	94
50) Diphenyl Ether	7.689	170	4628	2.55	ng	91
51) 2-Nitroaniline	7.700	65	2267	2.80	ng	38
52) Acenaphthylene	7.978	152	10076	2.67	ng	98
53) Dimethylphthalate	7.844	163	6386	2.29	ng	90
54) 2,6-Dinitrotoluene	7.903	165	1510	2.44	ng	58
55) Acenaphthene	8.128	153	6406	2.67	ng	86
56) 3-Nitroaniline	8.053	138	1271	2.10	ng	77
57) 2,4-Dinitrophenol	8.160	184	65	0.28	ng	56
58) Dibenzofuran	8.283	168	8432	2.53	ng	94
59) 2,4-Dinitrotoluene	8.256	165	1955	2.29	ng	68

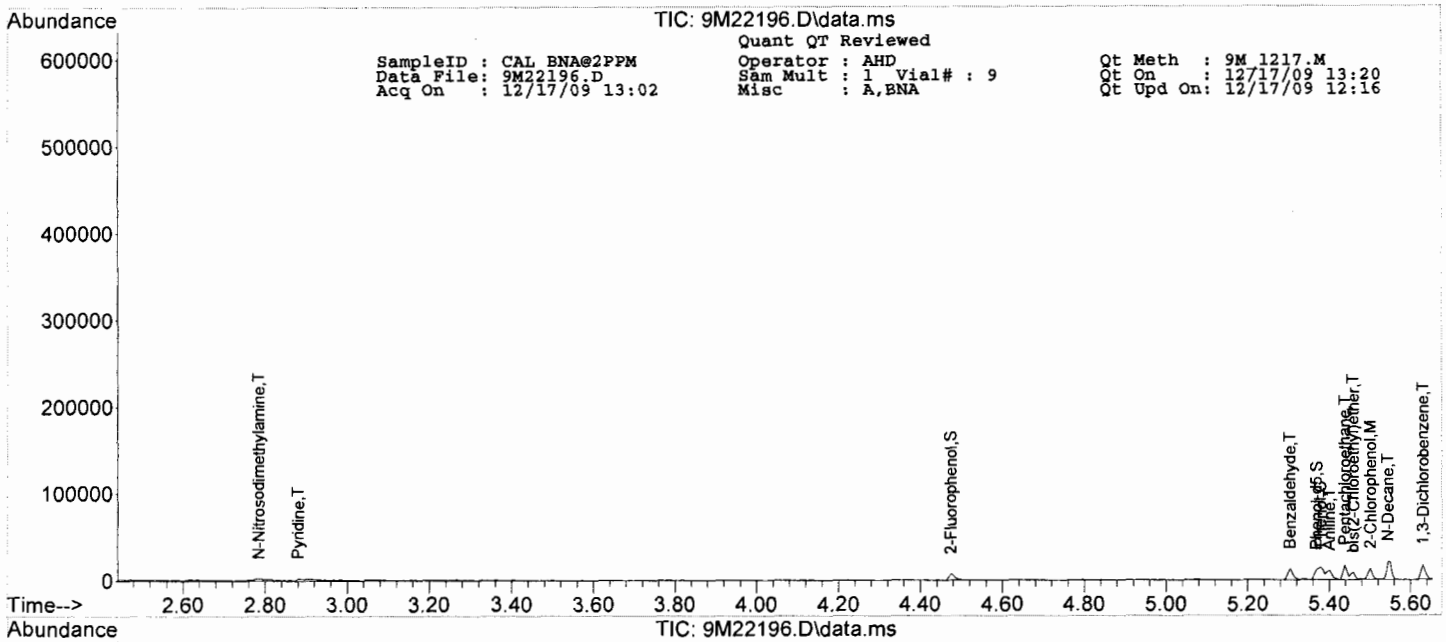
Quantitation Report (QT Reviewed)

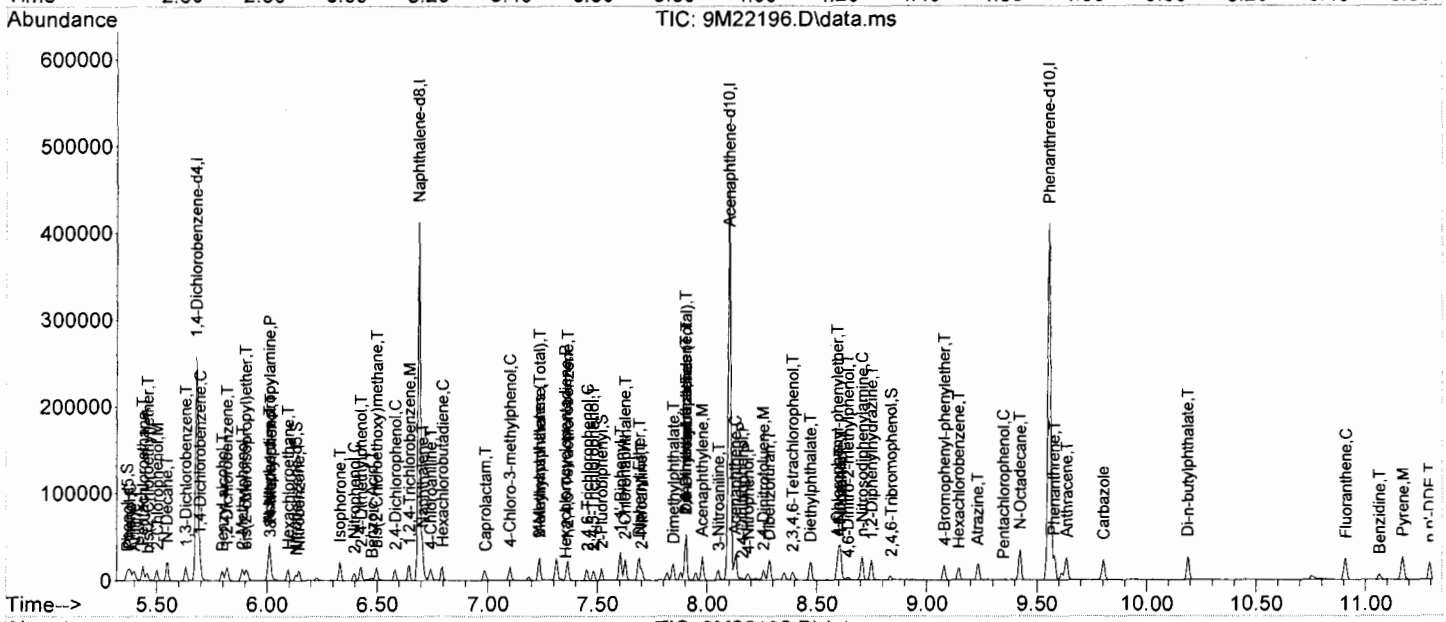
SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22196.D Sam Mult : 1 Vial# : 9 Qt On : 12/17/09 13:20
Acq On : 12/17/09 13:02 Misc : A,BNA Qt Upd On: 12/17/09 12:16

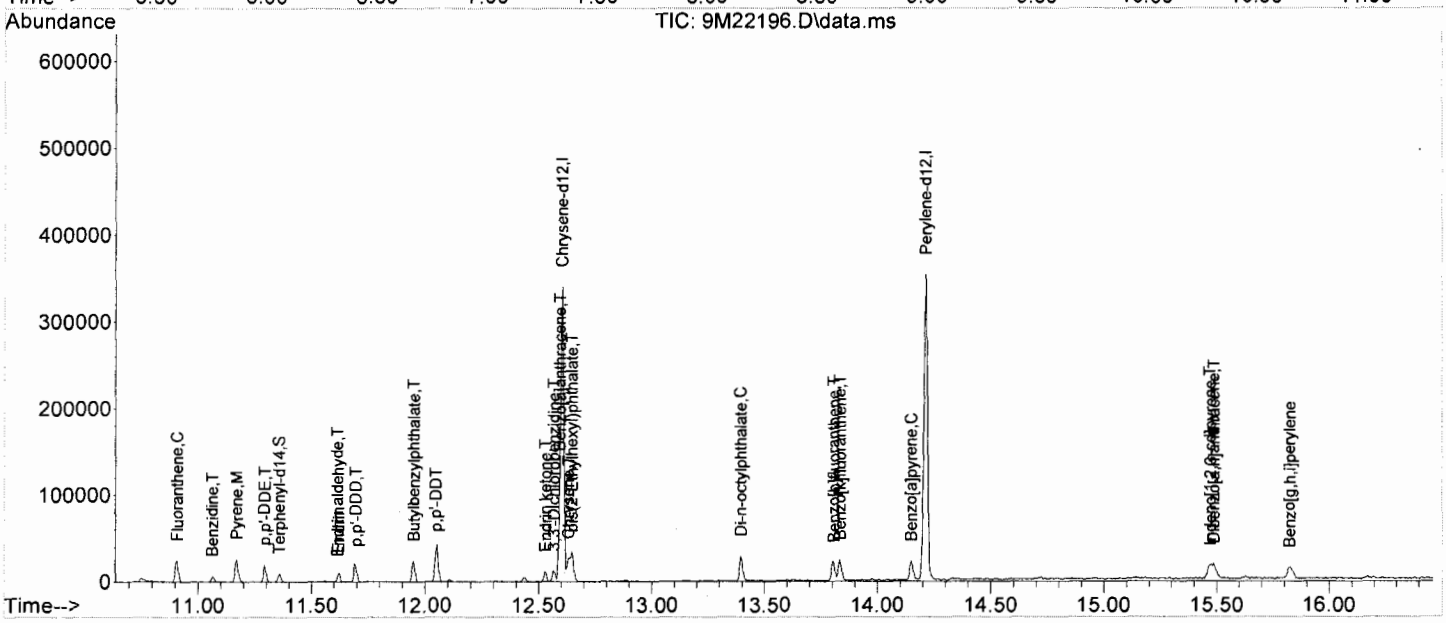
Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Nitrophenol	8.187	65	1073	2.41	ng	100
61) 2,3,4,6-Tetrachlorophenol	8.390	232	1199	1.88	ng	86
62) Fluorene	8.604	166	6751	2.38	ng	94
63) 4-Chlorophenyl-phenyle...	8.593	204	3179	2.46	ng	79
64) Diethylphthalate	8.470	149	7612	2.51	ng	93
65) 4-Nitroaniline	8.609	138	1600	2.08	ng	88
66) Atrazine	9.230	200	2138	2.19	ng	95
68) 4,6-Dinitro-2-methylph...	8.641	198	464	1.20	ng	23
69) n-Nitrosodiphenylamine	8.705	169	6033	2.66	ng	95
71) 1,2-Diphenylhydrazine	8.748	77	7968	3.08	ng	75
72) 4-Bromophenyl-phenylether	9.080	248	1293	1.97	ng	79
73) Hexachlorobenzene	9.144	284	1433	2.35	ng	95
74) N-Octadecane	9.422	57	4920	3.21	ng	81
75) Pentachlorophenol	9.347	266	362	1.32	ng	93
76) Phenanthrene	9.577	178	9625	2.40	ng	95
77) Anthracene	9.636	178	10897	2.69	ng	96
78) Carbazole	9.802	167	10187	2.48	ng	94
79) Di-n-butylphthalate	10.187	149	13036	2.49	ng	97
80) Fluoranthene	10.909	202	9923	2.17	ng	96
82) Pyrene	11.171	202	10979	2.52	ng	93
83) Benzidine	11.064	184	3059	2.10	ng	89
85) p,p'-DDE	11.294	246	1842	2.05	ng	98
86) Endrin	11.620	81	811	3.09	ng	66
87) p,p'-DDD	11.695	235	3657	2.27	ng	81
88) Butylbenzylphthalate	11.952	149	6038	2.63	ng	85
89) Endrin aldehyde	11.615	67	336m	4.23	ng	
90) p,p'-DDT	12.048	235	2983	2.19	ng	80
91) Endrin ketone	12.530	317	286m	2.05	ng	
92) 3,3'-Dichlorobenzidine	12.567	252	2741	2.41	ng	97
93) Benzo[a]anthracene	12.594	228	9538	2.25	ng	95
94) Chrysene	12.631	228	8765	2.23	ng	97
95) bis(2-Ethylhexyl)phtha...	12.647	149	8735	2.67	ng	96
97) Di-n-octylphthalate	13.396	149	13710	2.48	ng	100
98) Benzo[b]fluoranthene	13.808	252	8383	2.14	ng	90
99) Benzo[k]fluoranthene	13.835	252	8605	2.37	ng	96
100) Benzo[a]pyrene	14.150	252	8425	2.31	ng	97
101) Indeno[1,2,3-cd]pyrene	15.472	276	8636	2.22	ng	89
102) Dibenzo[a,h]anthracene	15.488	278	6674	2.15	ng	74
103) Benzo[g,h,i]perylene	15.825	276	7529	2.33	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M22196.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 9M22196.D
Acq On : 12/17/09 13:02
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 13:20
Qt Upd On: 12/17/09 12:16
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 9M22196.D\data.ms
1,4-Dichlorobenzene-d4,I
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Hexachlorobutadiene,C
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Time-->


Abundance
TIC: 9M22196.D\data.ms
Chrysene-d12,I
Perylene-d12,I
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM
Data File: 9M22197.D
Acq On : 12/17/09 13:27

Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA

Qt Meth : 9M_1217.M
Qt On : 12/17/09 13:44
Qt Upd On: 12/17/09 13:36

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.683	152	36721	40.00	ng	0.00
23) Naphthalene-d8	6.689	136	150571	40.00	ng	0.00
41) Acenaphthene-d10	8.101	164	84174	40.00	ng	0.00
67) Phenanthrene-d10	9.556	188	138312	40.00	ng	0.00
81) Chrysene-d12	12.605	240	113375	40.00	ng	0.00
96) Perylene-d12	14.214	264	113595	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.469	112	9531	8.06	ng	0.00
Spiked Amount 100.000			Recovery =	8.06%		
9) Phenol-d5	5.368	99	14890	8.97	ng	0.00
Spiked Amount 100.000			Recovery =	8.97%		
24) Nitrobenzene-d5	6.133	128	3061	4.43	ng	0.00
Spiked Amount 50.000			Recovery =	8.86%		
46) 2-Fluorobiphenyl	7.518	172	14346	4.76	ng	0.00
Spiked Amount 50.000			Recovery =	9.52%		
70) 2,4,6-Tribromophenol	8.834	330	2571	9.47	ng	0.00
Spiked Amount 100.000			Recovery =	9.47%		
84) Terphenyl-d14	11.358	244	14637	4.68	ng	0.00
Spiked Amount 50.000			Recovery =	9.36%		
Target Compounds						Qvalue
2) Pyridine	2.843	79	10025	7.81	ng	71
3) N-Nitrosodimethylamine	2.758	74	6602	8.34	ng	75
5) Benzaldehyde	5.304	77	11747	8.81	ng	81
6) Aniline	5.395	93	18115	9.36	ng	90
7) Pentachloroethane	5.437	117	5850	9.79	ng	86
8) bis(2-Chloroethyl)ether	5.459	93	11876	9.19	ng	83
10) Phenol	5.379	94	16423	8.98	ng	92
11) 2-Chlorophenol	5.496	128	12664	9.33	ng	80
12) N-Decane	5.550	57	15262	9.32	ng	81
13) 1,3-Dichlorobenzene	5.630	146	13782	9.69	ng	98
14) 1,4-Dichlorobenzene	5.694	146	13809	9.18	ng	99
15) 1,2-Dichlorobenzene	5.817	146	13031	9.35	ng	99
16) Benzyl alcohol	5.796	108	8225	9.37	ng	77
17) bis(2-chloroisopropyl)...	5.908	45	19706	9.56	ng	81
18) 2-Methylphenol	5.887	108	11191	9.12	ng	96
19) Acetophenone	6.010	105	21251	9.48	ng	85
20) Hexachloroethane	6.095	117	5749	9.76	ng	92
21) N-Nitroso-di-n-propyla...	6.010	70	10325	9.21	ng	95
22) 3&4-Methylphenol	6.010	108	12441	9.48	ng	90
25) Nitrobenzene	6.143	77	14027	9.09	ng	83
26) Isophorone	6.331	82	27137	9.17	ng	91
27) 2-Nitrophenol	6.395	139	6596	8.90	ng	90
28) 2,4-Dimethylphenol	6.427	107	12936	8.72	ng	95
29) Benzoic Acid	6.480	105	4061m	5.06	ng	
30) bis(2-Chloroethoxy)met...	6.496	93	16334	9.68	ng	98
31) 2,4-Dichlorophenol	6.582	162	10056	8.86	ng	92
32) 1,2,4-Trichlorobenzene	6.646	180	11907	9.52	ng	96
33) Naphthalene	6.705	128	40164	9.62	ng	98
34) 4-Chloroaniline	6.742	127	14236	9.56	ng	96
35) Hexachlorobutadiene	6.796	225	6061	10.01	ng	84
36) Caprolactam	6.994	113	4360	8.31	ng	70
37) 4-Chloro-3-methylphenol	7.101	107	11694	9.21	ng	84
38) 2-Methylnaphthalene	7.234	142	27296	9.53	ng	99
39) Methylnaphthalenes (To...	7.234	142	27296	9.53	ng	99
40) 1,1'-Biphenyl	7.604	154	39565	9.71	ng	94
42) 1,2,4,5-Tetrachloroben...	7.363	216	12932	9.51	ng	97
43) Hexachlorocyclopentadiene	7.358	237	2671	6.01	ng	98
44) 2,4,6-Trichlorophenol	7.454	196	6662	9.07	ng	99
45) 2,4,5-Trichlorophenol	7.481	196	7443	9.25	ng	86
47) 2-Chloronaphthalene	7.625	162	25444	9.87	ng	95
48) 1,4-Dimethylnaphthalene	7.903	156	27298	9.79	ng	87
49) Dimethylnaphthalenes (...	7.903	156	27298	9.79	ng	87
50) Diphenyl Ether	7.689	170	20267	9.55	ng	79
51) 2-Nitroaniline	7.700	65	10515	9.17	ng	78
52) Acenaphthylene	7.978	152	41635	9.45	ng	99
53) Dimethylphthalate	7.844	163	29415	9.70	ng	99
54) 2,6-Dinitrotoluene	7.903	165	6131	8.96	ng	84
55) Acenaphthene	8.133	153	25669	9.22	ng	95
56) 3-Nitroaniline	8.053	138	7070	10.13	ng	85
57) 2,4-Dinitrophenol	8.149	184	1419	5.27	ng	64
58) Dibenzofuran	8.283	168	34791	9.38	ng	94
59) 2,4-Dinitrotoluene	8.256	165	7908	8.50	ng	93

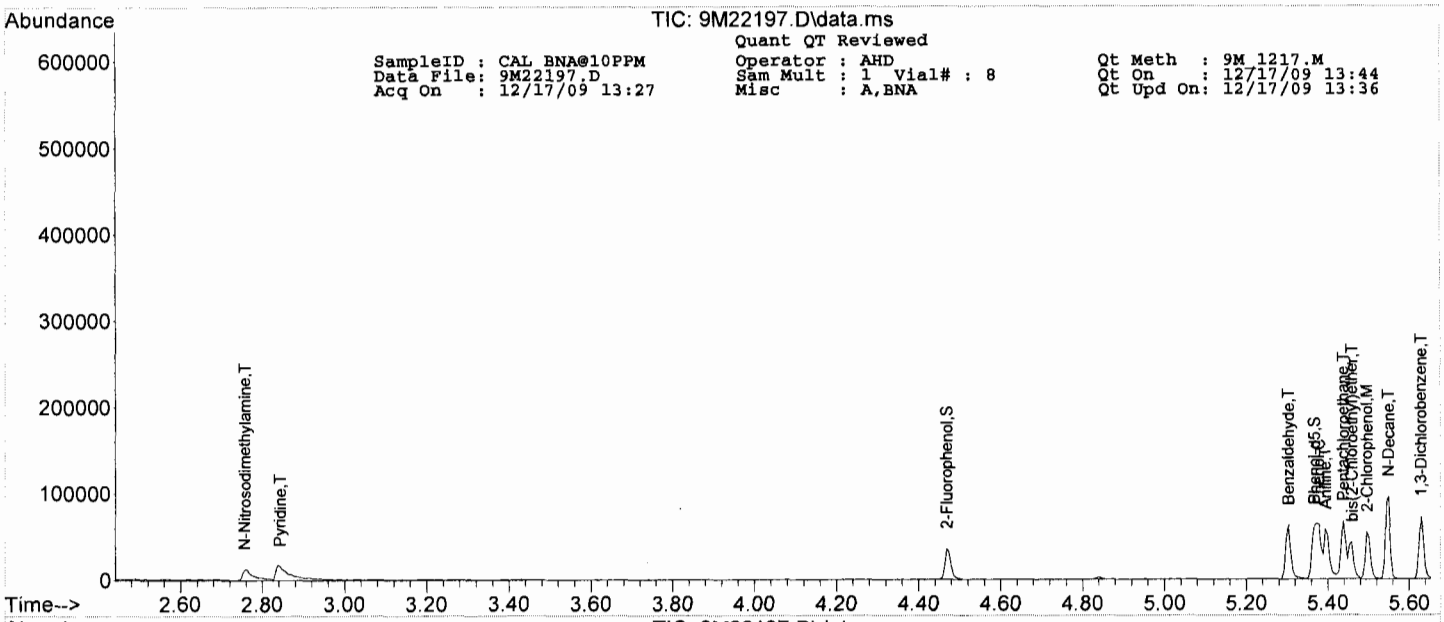
Quantitation Report (QT Reviewed)

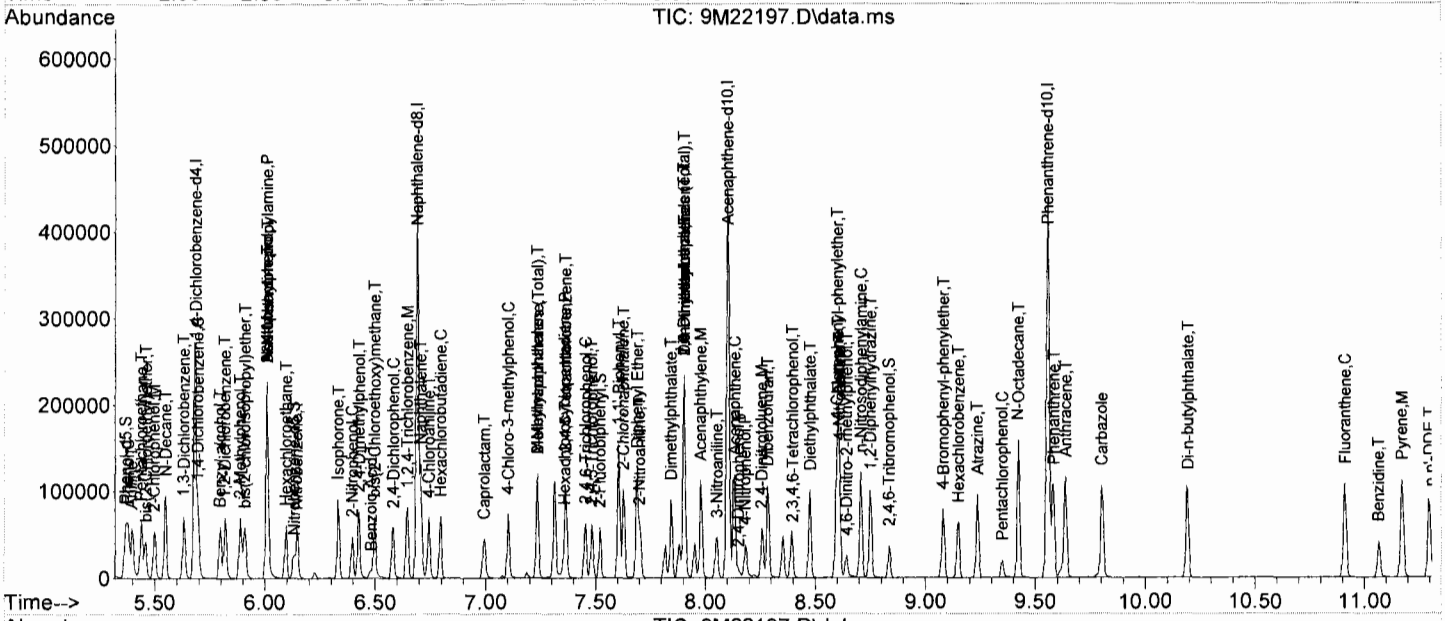
SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22197.D Sam Mult : 1 Vial# : 8 Qt On : 12/17/09 13:44
Acq On : 12/17/09 13:27 Misc : A,BNA Qt Upd On: 12/17/09 13:36

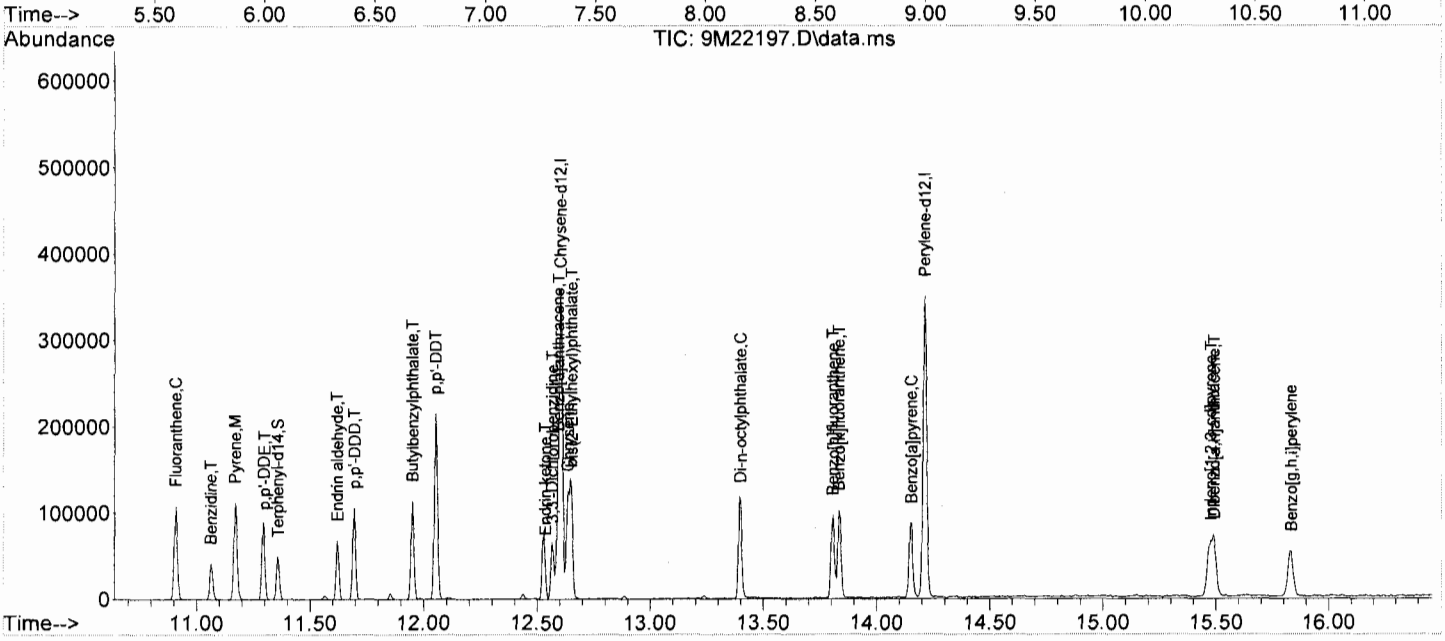
Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	8.181	65	5682	9.61	ng	99
61)	2,3,4,6-Tetrachlorophenol	8.395	232	4963	8.16	ng	95
62)	Fluorene	8.604	166	28975	9.43	ng	99
63)	4-Chlorophenyl-phenyle...	8.598	204	12600	9.37	ng	93
64)	Diethylphthalate	8.475	149	32532	9.84	ng	99
65)	4-Nitroaniline	8.609	138	7992	9.77	ng	75
66)	Atrazine	9.235	200	9475	9.92	ng	98
68)	4,6-Dinitro-2-methylph...	8.641	198	2988	7.05	ng	38
69)	n-Nitrosodiphenylamine	8.705	169	24416	9.21	ng	93
71)	1,2-Diphenylhydrazine	8.748	77	33789	9.57	ng	88
72)	4-Bromophenyl-phenylether	9.080	248	6968	10.19	ng	91
73)	Hexachlorobenzene	9.149	284	6678	9.92	ng	77
74)	N-Octadecane	9.422	57	22793	9.32	ng	83
75)	Pentachlorophenol	9.347	266	2029	6.32	ng	85
76)	Phenanthrene	9.583	178	41467	9.47	ng	99
77)	Anthracene	9.636	178	42200	9.27	ng	98
78)	Carbazole	9.802	167	41253	9.36	ng	99
79)	Di-n-butylphthalate	10.192	149	54305	9.38	ng	95
80)	Fluoranthene	10.909	202	42311	9.32	ng	93
82)	Pyrene	11.171	202	46151	9.28	ng	93
83)	Benzidine	11.064	184	16575	8.14	ng	92
85)	p,p'-DDE	11.299	246	8985	9.68	ng	91
86)	Endrin	11.620	81	3169	8.92	ng	88
87)	p,p'-DDD	11.695	235	14968	8.86	ng	81
88)	Butylbenzylphthalate	11.952	149	24651	9.09	ng	84
89)	Endrin aldehyde	11.620	67	1332	11.13	ng	55
90)	p,p'-DDT	12.054	235	13528	9.19	ng	90
91)	Endrin ketone	12.535	317	1781	10.53	ng	97
92)	3,3'-Dichlorobenzidine	12.567	252	12170	9.12	ng	98
93)	Benzo[a]anthracene	12.594	228	39313	9.31	ng	100
94)	Chrysene	12.637	228	38409	9.66	ng	97
95)	bis(2-Ethylhexyl)phtha...	12.653	149	36303	9.38	ng	96
97)	Di-n-octylphthalate	13.401	149	58973	9.16	ng	96
98)	Benzo[b]fluoranthene	13.808	252	37030	9.47	ng	97
99)	Benzo[k]fluoranthene	13.835	252	34977	9.70	ng	97
100)	Benzo[a]pyrene	14.156	252	33468	9.24	ng	95
101)	Indeno[1,2,3-cd]pyrene	15.477	276	33592	9.21	ng	88
102)	Dibenzo[a,h]anthracene	15.493	278	28169	9.45	ng	97
103)	Benzo[g,h,i]perylene	15.835	276	27785	9.21	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M22197.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 9M22197.D
Acq On : 12/17/09 13:27
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 13:44
Qt Upd On: 12/17/09 13:36
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 9M22197.D\data.ms
Time-->


Abundance
TIC: 9M22197.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Chrysene-d12,I
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM
Data File: 9M22194.D
Acq On : 12/17/09 12:16

Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA

Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:58
Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.678	152	35734	40.00	ng	0.00
23) Naphthalene-d8	6.689	136	148047	40.00	ng	0.00
41) Acenaphthene-d10	8.101	164	82508	40.00	ng	0.00
67) Phenanthrene-d10	9.556	188	133456	40.00	ng	0.00
81) Chrysene-d12	12.605	240	110918	40.00	ng	0.00
96) Perylene-d12	14.215	264	112776	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.469	112	20191	19.23	ng	0.00
Spiked Amount 100.000			Recovery = 19.23%			
9) Phenol-d5	5.368	99	31124	19.63	ng	0.00
Spiked Amount 100.000			Recovery = 19.63%			
24) Nitrobenzene-d5	6.133	128	6025	9.68	ng	0.00
Spiked Amount 50.000			Recovery = 19.36%			
46) 2-Fluorobiphenyl	7.518	172	27673	10.33	ng	0.00
Spiked Amount 50.000			Recovery = 20.66%			
70) 2,4,6-Tribromophenol	8.834	330	5012	24.19	ng	0.00
Spiked Amount 100.000			Recovery = 24.19%			
84) Terphenyl-d14	11.358	244	28176	9.32	ng	0.00
Spiked Amount 50.000			Recovery = 18.64%			
Target Compounds						Qvalue
2) Pyridine	2.822	79	23532	24.58	ng	75
3) N-Nitrosodimethylamine	2.752	74	14425	25.07	ng	97
5) Benzaldehyde	5.304	77	23332	22.16	ng	85
6) Aniline	5.395	93	36153	24.43	ng	89
7) Pentachloroethane	5.438	117	10999	21.19	ng	83
8) bis(2-Chloroethyl)ether	5.459	93	23305	19.65	ng	84
10) Phenol	5.379	94	31579	18.70	ng	92
11) 2-Chlorophenol	5.496	128	24775	18.88	ng	85
12) N-Decane	5.550	57	28929	27.23	ng	80
13) 1,3-Dichlorobenzene	5.630	146	26605	20.38	ng	99
14) 1,4-Dichlorobenzene	5.694	146	26751	19.41	ng	100
15) 1,2-Dichlorobenzene	5.817	146	25742	19.54	ng	94
16) Benzyl alcohol	5.796	108	16306	19.52	ng	85
17) bis(2-chloroisopropyl)...	5.908	45	38341	24.41	ng	85
18) 2-Methylphenol	5.887	108	23682	19.88	ng	99
19) Acetophenone	6.010	105	41870	18.58	ng	80
20) Hexachloroethane	6.095	117	10599	19.01	ng	89
21) N-Nitroso-di-n-propyla...	6.010	70	20852	21.16	ng	88
22) 3&4-Methylphenol	6.010	108	25064	18.66	ng	97
25) Nitrobenzene	6.144	77	28487	23.02	ng	89
26) Isophorone	6.331	82	54582	21.63	ng	91
27) 2-Nitrophenol	6.395	139	13399	20.02	ng	94
28) 2,4-Dimethylphenol	6.422	107	27211	20.30	ng	99
29) Benzoic Acid	6.486	105	13168m	19.25	ng	
30) bis(2-Chloroethoxy)met...	6.497	93	31333	21.49	ng	97
31) 2,4-Dichlorophenol	6.582	162	20301	18.80	ng	89
32) 1,2,4-Trichlorobenzene	6.646	180	22755	19.22	ng	99
33) Naphthalene	6.705	128	77797	20.13	ng	99
34) 4-Chloroaniline	6.743	127	31170	23.12	ng	92
35) Hexachlorobutadiene	6.796	225	10838	17.70	ng	98
36) Caprolactam	6.994	113	9887	17.47	ng	72
37) 4-Chloro-3-methylphenol	7.101	107	22435	18.33	ng	79
38) 2-Methylnaphthalene	7.235	142	52391	19.09	ng	97
39) Methylnaphthalenes (To...	7.235	142	52391	19.09	ng	97
40) 1,1'-Biphenyl	7.604	154	78848	19.52	ng	95
42) 1,2,4,5-Tetrachloroben...	7.363	216	25471	20.33	ng	98
43) Hexachlorocyclopentadiene	7.352	237	7310	21.22	ng	96
44) 2,4,6-Trichlorophenol	7.454	196	13573	19.47	ng	98
45) 2,4,5-Trichlorophenol	7.486	196	14820	19.00	ng	95
47) 2-Chloronaphthalene	7.625	162	48015	20.33	ng	97
48) 1,4-Dimethylnaphthalene	7.903	156	52000	20.24	ng	95
49) Dimethylnaphthalenes (...	7.903	156	52000	20.24	ng	95
50) Diphenyl Ether	7.689	170	40325	20.89	ng	85
51) 2-Nitroaniline	7.700	65	21364	24.79	ng	73
52) Acenaphthylene	7.978	152	81744	20.40	ng	98
53) Dimethylphthalate	7.850	163	57452	19.35	ng	97
54) 2,6-Dinitrotoluene	7.903	165	12397	18.81	ng	83
55) Acenaphthene	8.133	153	52012	20.36	ng	94
56) 3-Nitroaniline	8.053	138	14271	22.12	ng	62
57) 2,4-Dinitrophenol	8.144	184	4707	18.21	ng	83
58) Dibenzofuran	8.283	168	68507	19.37	ng	97
59) 2,4-Dinitrotoluene	8.262	165	16710	18.39	ng	74

12

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM
Data File: 9M22194.D
Acq On : 12/17/09 12:16

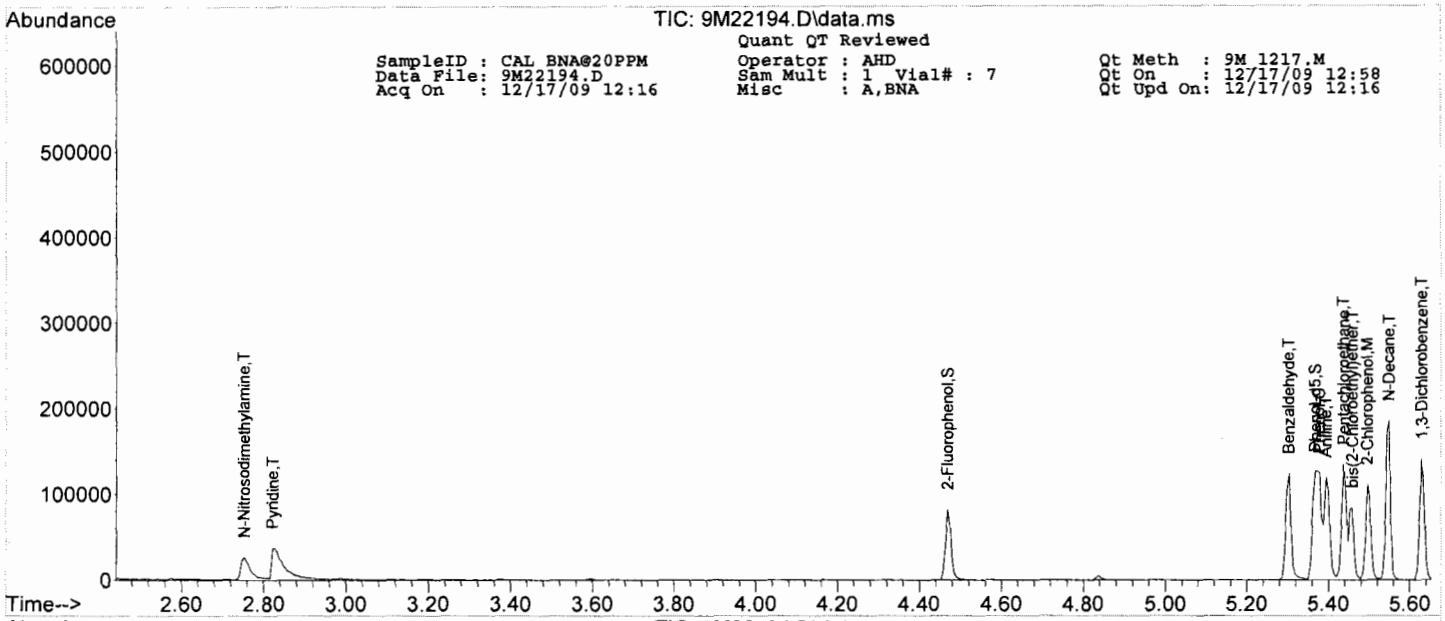
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA

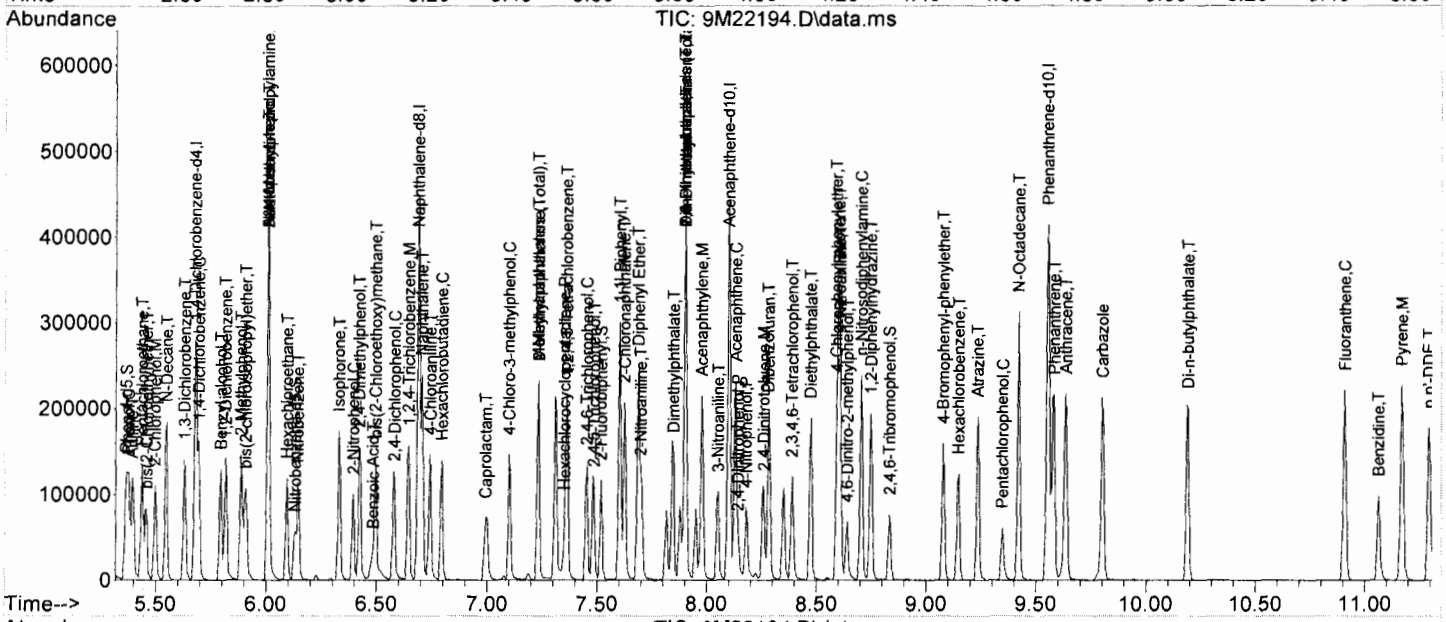
Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:58
Qt Upd On: 12/17/09 12:16

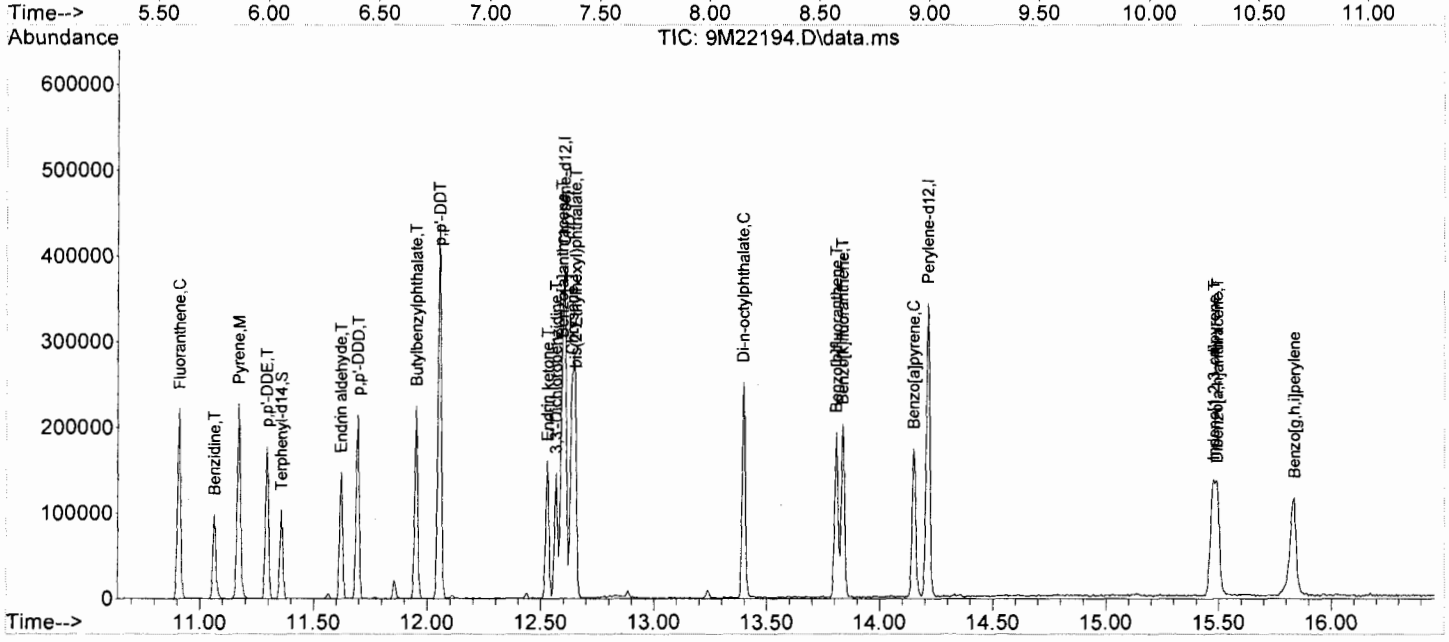
Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Nitrophenol	8.181	65	11626	24.53	ng	93
61) 2,3,4,6-Tetrachlorophenol	8.390	232	11054	16.31	ng	95
62) Fluorene	8.604	166	58204	19.32	ng	95
63) 4-Chlorophenyl-phenyle...	8.593	204	24738	18.02	ng	96
64) Diethylphthalate	8.476	149	61774	19.12	ng	98
65) 4-Nitroaniline	8.609	138	15310	18.69	ng	85
66) Atrazine	9.235	200	17246	16.59	ng	98
68) 4,6-Dinitro-2-methylph...	8.641	198	7886	19.65	ng	44
69) n-Nitrosodiphenylamine	8.706	169	49805	21.71	ng	96
71) 1,2-Diphenylhydrazine	8.748	77	65454	25.00	ng	95
72) 4-Bromophenyl-phenylether	9.080	248	13071	19.66	ng	94
73) Hexachlorobenzene	9.149	284	11981	19.40	ng	82
74) N-Octadecane	9.422	57	45116	29.10	ng	86
75) Pentachlorophenol	9.347	266	5946	20.34	ng	94
76) Phenanthrene	9.583	178	82335	20.27	ng	98
77) Anthracene	9.636	178	83040	20.27	ng	98
78) Carbazole	9.802	167	82704	19.93	ng	97
79) Di-n-butylphthalate	10.192	149	105047	19.83	ng	97
80) Fluoranthene	10.909	202	83117	17.98	ng	92
82) Pyrene	11.171	202	91581	20.93	ng	93
83) Benzidine	11.064	184	36315	24.82	ng	96
85) p,p'-DDE	11.294	246	17180	19.00	ng	91
86) Endrin	11.621	81	6437	24.36	ng	86
87) p,p'-DDD	11.695	235	31633	19.55	ng	85
88) Butylbenzylphthalate	11.952	149	48924	21.18	ng	78
89) Endrin aldehyde	11.621	67	2113	26.46	ng	61
90) p,p'-DDT	12.054	235	27379	20.02	ng	90
91) Endrin ketone	12.530	317	3339	23.82	ng	97
92) 3,3'-Dichlorobenzidine	12.567	252	24650	22.06	ng	98
93) Benzo[a]anthracene	12.594	228	77442	18.15	ng	98
94) Chrysene	12.637	228	73212	18.50	ng	98
95) bis(2-Ethylhexyl)phtha...	12.653	149	72167	21.90	ng	99
97) Di-n-octylphthalate	13.396	149	117997	21.81	ng	98
98) Benzo[b]fluoranthene	13.808	252	72358	18.85	ng	97
99) Benzo[k]fluoranthene	13.835	252	66825	18.74	ng	97
100) Benzo[a]pyrene	14.150	252	67349	18.83	ng	96
101) Indeno[1,2,3-cd]pyrene	15.477	276	67264	17.67	ng	96
102) Dibenzo[a,h]anthracene	15.493	278	54654	17.99	ng	99
103) Benzo[g,h,i]perylene	15.835	276	53701	16.95	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M22194.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 9M22194.D
Acq On : 12/17/09 12:16
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:58
Qt Upd On: 12/17/09 12:16
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 9M22194.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Hexachlorocyclopentadiene,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
Acenaphthene-d10,I
Diethylphthalate,T
Fluorene,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Pyrene,M
Benzidine,T
Time-->


Abundance
TIC: 9M22194.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM
Data File: 9M22193.D
Acq On : 12/17/09 11:53

Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA

Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:18
Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.684	152	36223	40.00	ng	0.00
23) Naphthalene-d8	6.694	136	140932	40.00	ng	0.00
41) Acenaphthene-d10	8.106	164	76377	40.00	ng	0.00
67) Phenanthrene-d10	9.556	188	125915	40.00	ng	0.00
81) Chrysene-d12	12.610	240	102927	40.00	ng	0.00
96) Perylene-d12	14.220	264	105894	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.475	112	92546	86.94	ng	0.00
Spiked Amount 100.000			Recovery = 86.94%			
9) Phenol-d5	5.373	99	124004	77.14	ng	0.00
Spiked Amount 100.000			Recovery = 77.14%			
24) Nitrobenzene-d5	6.133	128	23790	40.15	ng	0.00
Spiked Amount 50.000			Recovery = 80.30%			
46) 2-Fluorobiphenyl	7.523	172	99184	39.99	ng	0.00
Spiked Amount 50.000			Recovery = 79.98%			
70) 2,4,6-Tribromophenol	8.839	330	19150	97.94	ng	0.00
Spiked Amount 100.000			Recovery = 97.94%			
84) Terphenyl-d14	11.364	244	103409	36.85	ng	0.00
Spiked Amount 50.000			Recovery = 73.70%			
Target Compounds						Qvalue
2) Pyridine	2.817	79	104533	107.72	ng	79
3) N-Nitrosodimethylamine	2.758	74	63482	102.99	ng	86
5) Benzaldehyde	5.304	77	76328	71.53	ng	84
6) Aniline	5.400	93	150094	89.40	ng	55
7) Pentachloroethane	5.443	117	46247	87.91	ng	82
8) bis(2-Chloroethyl)ether	5.459	93	95306	79.28	ng	87
10) Phenol	5.384	94	135163	78.95	ng	90
11) 2-Chlorophenol	5.502	128	102202	76.83	ng	85
12) N-Decane	5.550	57	128698	119.50	ng	86
13) 1,3-Dichlorobenzene	5.635	146	108060	81.66	ng	95
14) 1,4-Dichlorobenzene	5.694	146	114660	82.08	ng	99
15) 1,2-Dichlorobenzene	5.823	146	104147	77.98	ng	99
16) Benzyl alcohol	5.801	108	65768	77.65	ng	78
17) bis(2-chloroisopropyl)...	5.908	45	148706	93.41	ng	83
18) 2-Methylphenol	5.892	108	88553	73.35	ng	99
19) Acetophenone	6.015	105	162139	70.97	ng	82
20) Hexachloroethane	6.095	117	45431	80.37	ng	96
21) N-Nitroso-di-n-propyla...	6.015	70	79150	79.24	ng	93
22) 3&4-Methylphenol	6.015	108	93584	68.73	ng	95
25) Nitrobenzene	6.149	77	109215	92.70	ng	85
26) Isophorone	6.336	82	201025	83.70	ng	88
27) 2-Nitrophenol	6.400	139	52955	83.10	ng	94
28) 2,4-Dimethylphenol	6.427	107	103235	80.92	ng	97
29) Benzoic Acid	6.518	105	67026m	85.37	ng	
30) bis(2-Chloroethoxy)met...	6.502	93	115629	83.31	ng	96
31) 2,4-Dichlorophenol	6.582	162	79097	76.94	ng	90
32) 1,2,4-Trichlorobenzene	6.646	180	88845	78.85	ng	98
33) Naphthalene	6.710	128	290708	79.03	ng	99
34) 4-Chloroaniline	6.743	127	106467	90.20	ng	99
35) Hexachlorobutadiene	6.796	225	43138	74.02	ng	97
36) Caprolactam	7.031	113	37216	69.09	ng	71
37) 4-Chloro-3-methylphenol	7.112	107	87668	75.22	ng	81
38) 2-Methylnaphthalene	7.235	142	194202	74.33	ng	100
39) Methylnaphthalenes (To...	7.235	142	194202	74.33	ng	100
40) 1,1'-Biphenyl	7.609	154	282170	73.36	ng	94
42) 1,2,4,5-Tetrachloroben...	7.368	216	92433	79.71	ng	99
43) Hexachlorocyclopentadiene	7.358	237	35464	93.06	ng	99
44) 2,4,6-Trichlorophenol	7.454	196	49016	75.94	ng	96
45) 2,4,5-Trichlorophenol	7.491	196	53560	74.19	ng	99
47) 2-Chloronaphthalene	7.630	162	175933	80.46	ng	95
48) 1,4-Dimethylnaphthalene	7.909	156	186426	78.39	ng	93
49) Dimethylnaphthalenes (...	7.909	156	186426	78.39	ng	93
50) Diphenyl Ether	7.689	170	140471	78.62	ng	87
51) 2-Nitroaniline	7.705	65	79043	99.08	ng	79
52) Acenaphthylene	7.983	152	291422	78.57	ng	98
53) Dimethylphthalate	7.855	163	201375	73.25	ng	99
54) 2,6-Dinitrotoluene	7.909	165	46156	75.66	ng	72
55) Acenaphthene	8.133	153	180904	76.48	ng	97
56) 3-Nitroaniline	8.058	138	48683	81.53	ng	75
57) 2,4-Dinitrophenol	8.149	184	23613	83.02	ng	81
58) Dibenzofuran	8.288	168	242198	73.97	ng	92
59) 2,4-Dinitrotoluene	8.267	165	63642	75.65	ng	70

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM
Data File: 9M22193.D
Acq On : 12/17/09 11:53

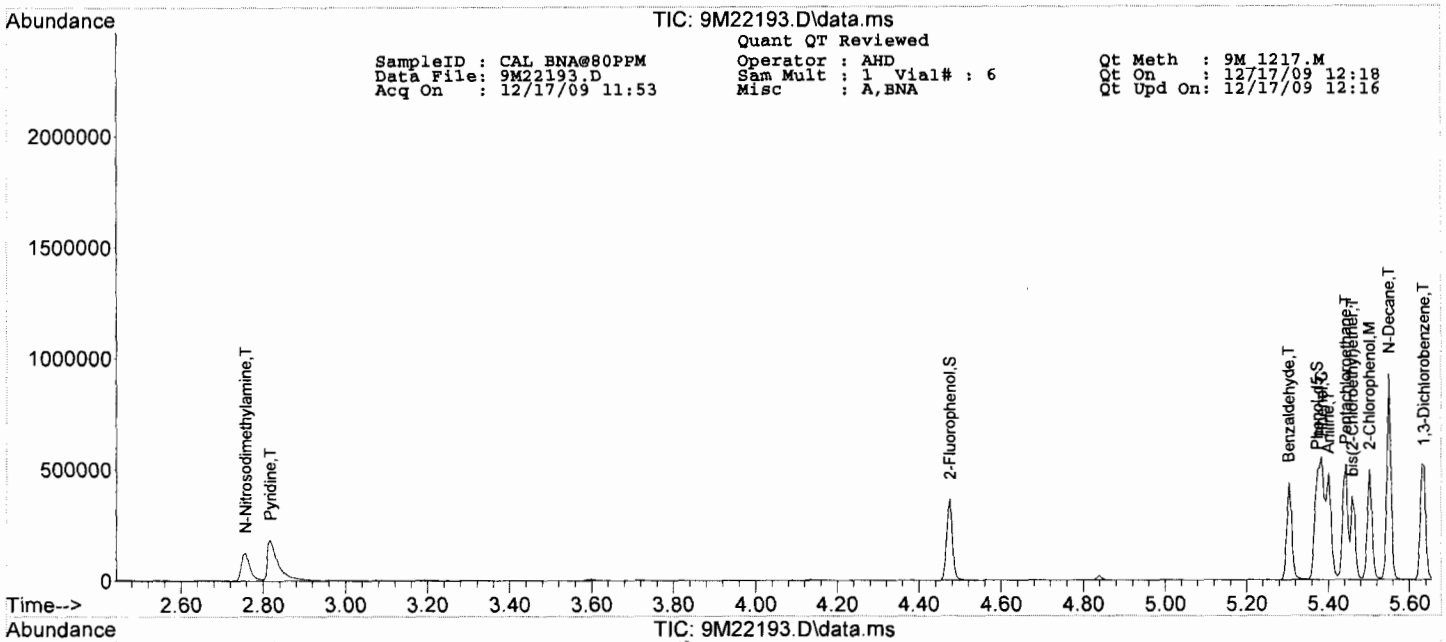
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA

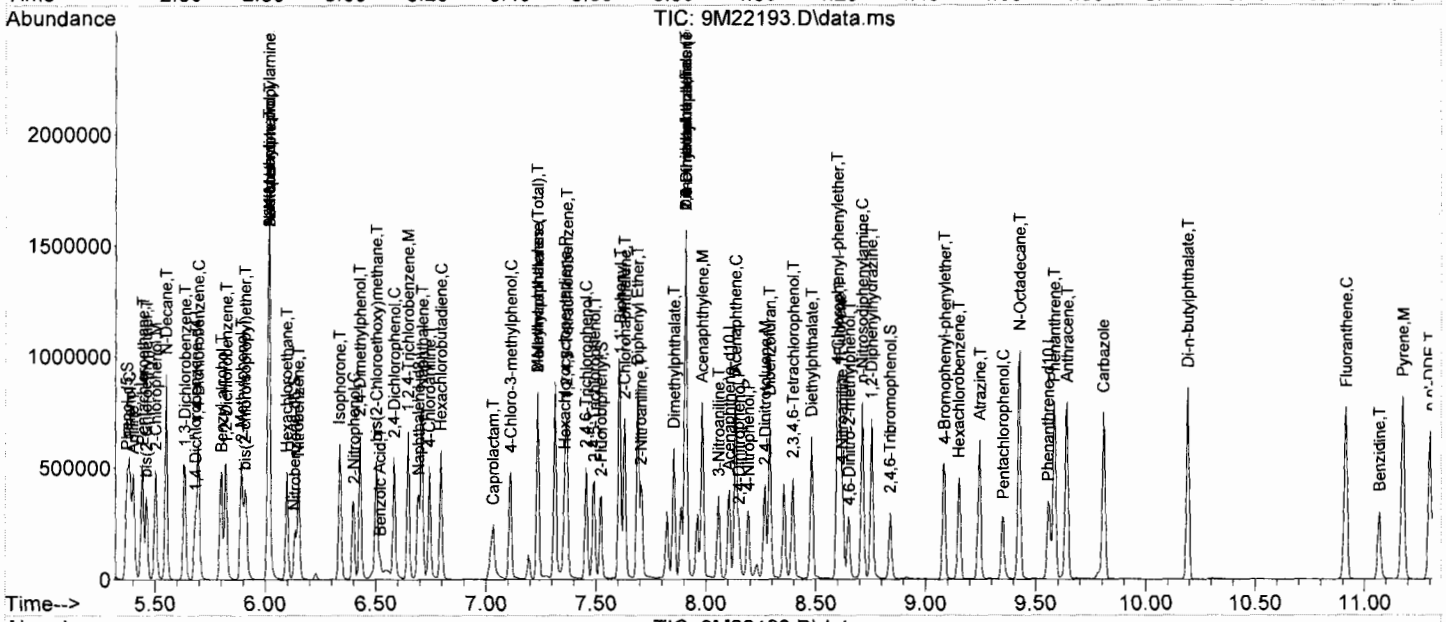
Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:18
Qt Upd On: 12/17/09 12:16

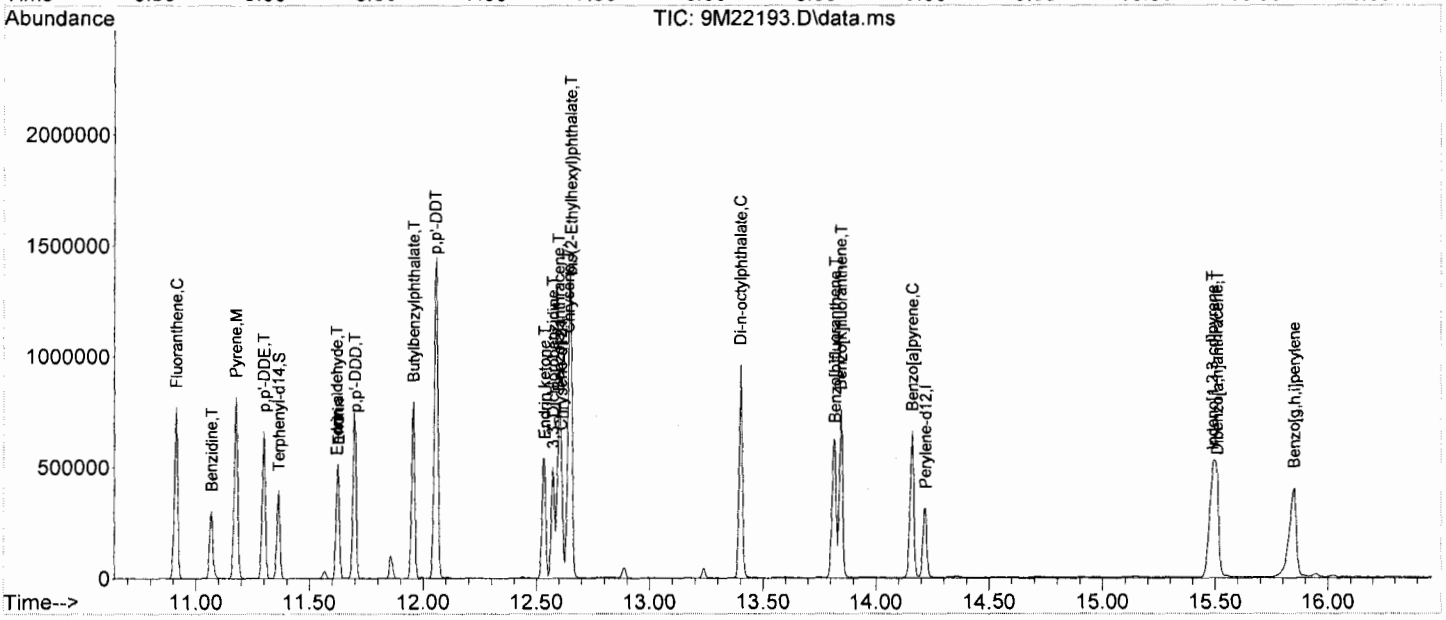
Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Nitrophenol	8.192	65	41526	94.65	ng	87
61) 2,3,4,6-Tetrachlorophenol	8.395	232	42036	67.01	ng	93
62) Fluorene	8.609	166	203269	72.89	ng	98
63) 4-Chlorophenyl-phenyle...	8.599	204	88426	69.60	ng	97
64) Diethylphthalate	8.481	149	218580	73.09	ng	99
65) 4-Nitroaniline	8.620	138	56616	74.66	ng	86
66) Atrazine	9.246	200	63206	65.67	ng	98
68) 4,6-Dinitro-2-methylph...	8.652	198	32036	78.39	ng	38
69) n-Nitrosodiphenylamine	8.711	169	178192	82.31	ng	99
71) 1,2-Diphenylhydrazine	8.754	77	237393	96.08	ng	91
72) 4-Bromophenyl-phenylether	9.085	248	46352	73.88	ng	96
73) Hexachlorobenzene	9.149	284	45918	78.79	ng	86
74) N-Octadecane	9.428	57	169665	115.98	ng	84
75) Pentachlorophenol	9.353	266	26340	82.25	ng	98
76) Phenanthrene	9.583	178	290749	75.85	ng	99
77) Anthracene	9.642	178	301554	78.02	ng	100
78) Carbazole	9.807	167	291792	74.54	ng	98
79) Di-n-butylphthalate	10.192	149	391907	78.42	ng	98
80) Fluoranthene	10.914	202	307615	70.54	ng	94
82) Pyrene	11.177	202	333341	82.10	ng	92
83) Benzidine	11.070	184	112214	82.65	ng	86
85) p,p'-DDE	11.300	246	62366	74.34	ng	94
86) Endrin	11.626	81	23414	95.48	ng	89
87) p,p'-DDD	11.701	235	115417	76.88	ng	84
88) Butylbenzylphthalate	11.957	149	184300	85.98	ng	79
89) Endrin aldehyde	11.621	67	8338	112.50	ng	63
90) p,p'-DDT	12.054	235	101494	79.97	ng	90
91) Endrin ketone	12.535	317	12340	94.88	ng	98
92) 3,3'-Dichlorobenzidine	12.573	252	86614	90.41	ng	96
93) Benzo[a]anthracene	12.599	228	284450	71.83	ng	99
94) Chrysene	12.642	228	271492	73.93	ng	98
95) bis(2-Ethylhexyl)phtha...	12.653	149	261435	85.49	ng	97
97) Di-n-octylphthalate	13.402	149	454371	89.46	ng	100
98) Benzo[b]fluoranthene	13.819	252	266454	73.92	ng	97
99) Benzo[k]fluoranthene	13.846	252	261522	78.10	ng	99
100) Benzo[a]pyrene	14.161	252	252646	75.23	ng	99
101) Indeno[1,2,3-cd]pyrene	15.488	276	259384	72.59	ng	74
102) Dibenzo[a,h]anthracene	15.509	278	214271	75.10	ng	95
103) Benzo[g,h,i]perylene	15.851	276	213702	71.84	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M22193.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 9M22193.D
Acq On : 12/17/09 11:53
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:18
Qt Upd On: 12/17/09 12:16
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 9M22193.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,S
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Hexachlorobutadiene,C
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
2,4-Dinitrophenol,C
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Time-->


Abundance
TIC: 9M22193.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22192.D Sam Mult : 1 Vial# : 5 Qt On : 12/17/09 12:18
Acq On : 12/17/09 11:31 Misc : A,BNA Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.684	152	32144	40.00	ng	0.00
23) Naphthalene-d8	6.694	136	127007	40.00	ng	0.00
41) Acenaphthene-d10	8.107	164	69763	40.00	ng	0.00
67) Phenanthrene-d10	9.556	188	115817	40.00	ng	0.00
81) Chrysene-d12	12.615	240	94248	40.00	ng	0.00
96) Perylene-d12	14.220	264	97952	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.475	112	123281	130.51	ng	0.00
Spiked Amount 100.000			Recovery = 130.51%			
9) Phenol-d5	5.373	99	166564	116.76	ng	0.00
Spiked Amount 100.000			Recovery = 116.76%			
24) Nitrobenzene-d5	6.133	128	31900	59.74	ng	0.00
Spiked Amount 50.000			Recovery = 119.48%			
46) 2-Fluorobiphenyl	7.524	172	135557	59.84	ng	0.00
Spiked Amount 50.000			Recovery = 119.68%			
70) 2,4,6-Tribromophenol	8.839	330	26436	147.00	ng	0.00
Spiked Amount 100.000			Recovery = 147.00%			
84) Terphenyl-d14	11.364	244	141310	54.99	ng	0.00
Spiked Amount 50.000			Recovery = 109.98%			
Target Compounds						Qvalue
2) Pyridine	2.811	79	135607	157.47	ng	81
3) N-Nitrosodimethylamine	2.753	74	82310	146.14	ng	94
5) Benzaldehyde	5.304	77	59858	63.21	ng	82
6) Aniline	5.400	93	196661	124.78	ng	54
7) Pentachloroethane	5.443	117	59743	127.98	ng	83
8) bis(2-Chloroethyl)ether	5.464	93	124673	116.87	ng	85
10) Phenol	5.389	94	179988	118.47	ng	99
11) 2-Chlorophenol	5.502	128	135250	114.57	ng	86
12) N-Decane	5.550	57	161961	169.47	ng	85
13) 1,3-Dichlorobenzene	5.635	146	140357	119.52	ng	96
14) 1,4-Dichlorobenzene	5.694	146	146993	118.57	ng	98
15) 1,2-Dichlorobenzene	5.823	146	135893	114.67	ng	98
16) Benzyl alcohol	5.801	108	88085	117.19	ng	82
17) bis(2-chloroisopropyl)...	5.908	45	196967	139.42	ng	80
18) 2-Methylphenol	5.892	108	119781	111.80	ng	98
19) Acetophenone	6.015	105	212951	105.05	ng	82
20) Hexachloroethane	6.095	117	58568	116.76	ng	96
21) N-Nitroso-di-n-propyla...	6.015	70	104316	117.68	ng	96
22) 3&4-Methylphenol	6.021	108	127536	105.55	ng	100
25) Nitrobenzene	6.149	77	140957	132.76	ng	87
26) Isophorone	6.341	82	267482	123.58	ng	85
27) 2-Nitrophenol	6.400	139	71094	123.79	ng	91
28) 2,4-Dimethylphenol	6.427	107	137266	119.39	ng	97
29) Benzoic Acid	6.523	105	95451m	122.96	ng	
30) bis(2-Chloroethoxy)met...	6.502	93	156282	124.94	ng	98
31) 2,4-Dichlorophenol	6.582	162	106971	115.47	ng	92
32) 1,2,4-Trichlorobenzene	6.646	180	117454	115.67	ng	98
33) Naphthalene	6.711	128	382462	115.37	ng	99
34) 4-Chloroaniline	6.743	127	137822	138.23	ng	97
35) Hexachlorobutadiene	6.796	225	56964	108.46	ng	97
36) Caprolactam	7.042	113	50224	103.46	ng	70
37) 4-Chloro-3-methylphenol	7.112	107	115863	110.32	ng	80
38) 2-Methylnaphthalene	7.235	142	263651	111.98	ng	100
39) Methylnaphthalenes (To...	7.235	142	263651	111.98	ng	100
40) 1,1'-Biphenyl	7.609	154	369571	106.62	ng	94
42) 1,2,4,5-Tetrachloroben...	7.368	216	125489	118.47	ng	97
43) Hexachlorocyclopentadiene	7.358	237	50498	133.00	ng	98
44) 2,4,6-Trichlorophenol	7.454	196	69267	117.49	ng	99
45) 2,4,5-Trichlorophenol	7.491	196	72896	110.54	ng	96
47) 2-Chloronaphthalene	7.630	162	233989	117.16	ng	95
48) 1,4-Dimethylnaphthalene	7.909	156	251266	115.67	ng	94
49) Dimethylnaphthalenes (...	7.909	156	251266	115.67	ng	94
50) Diphenyl Ether	7.689	170	190750	116.89	ng	86
51) 2-Nitroaniline	7.711	65	107129	147.02	ng	69
52) Acenaphthylene	7.989	152	397158	117.22	ng	99
53) Dimethylphthalate	7.855	163	272056	108.34	ng	99
54) 2,6-Dinitrotoluene	7.914	165	61800	110.90	ng	67
55) Acenaphthene	8.139	153	252327	116.79	ng	95
56) 3-Nitroaniline	8.064	138	67445	123.65	ng	80
57) 2,4-Dinitrophenol	8.155	184	33493	118.58	ng	87
58) Dibenzofuran	8.288	168	333715	111.58	ng	91
59) 2,4-Dinitrotoluene	8.267	165	87429	113.77	ng	78

R

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM
Data File: 9M22192.D
Acq On : 12/17/09 11:31

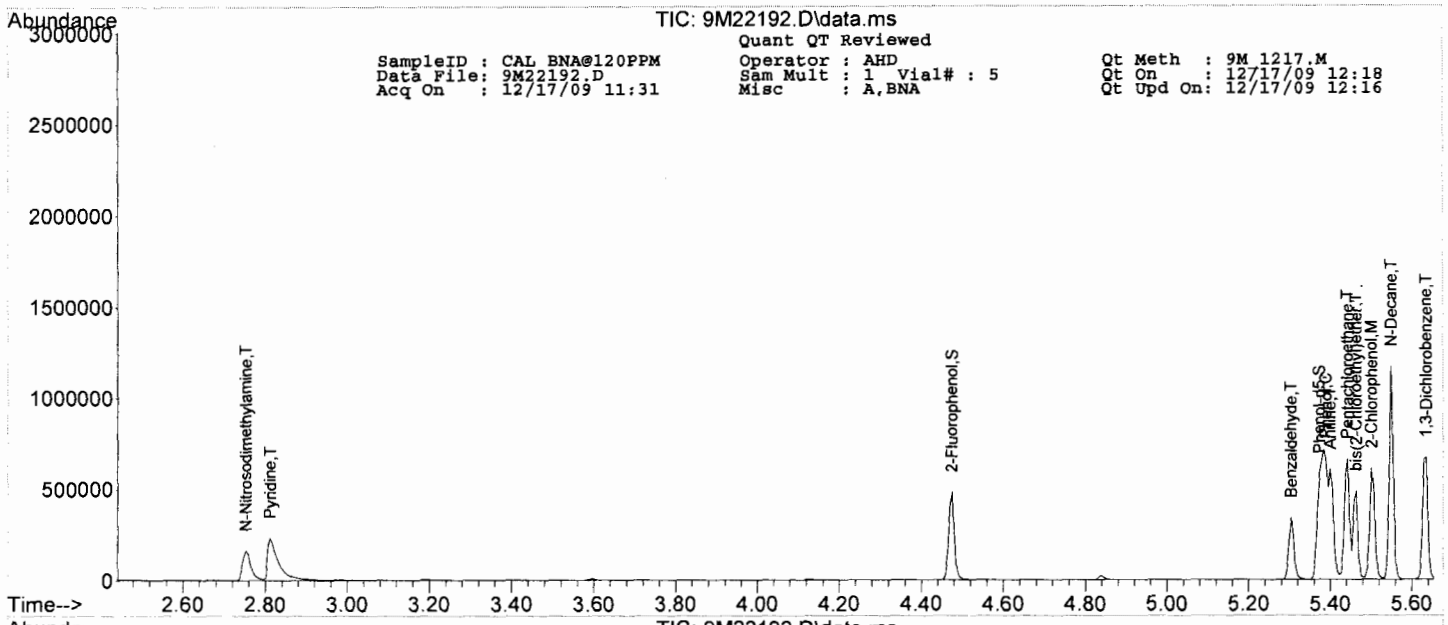
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA

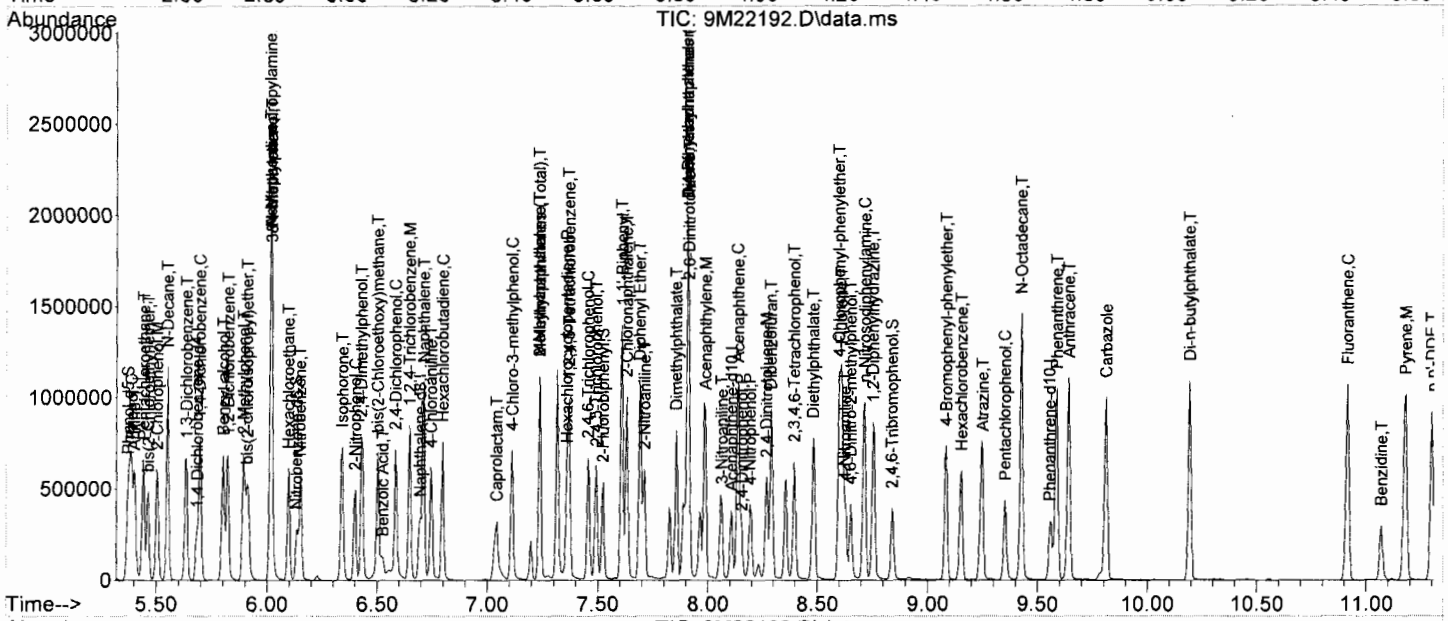
Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:18
Qt Upd On: 12/17/09 12:16

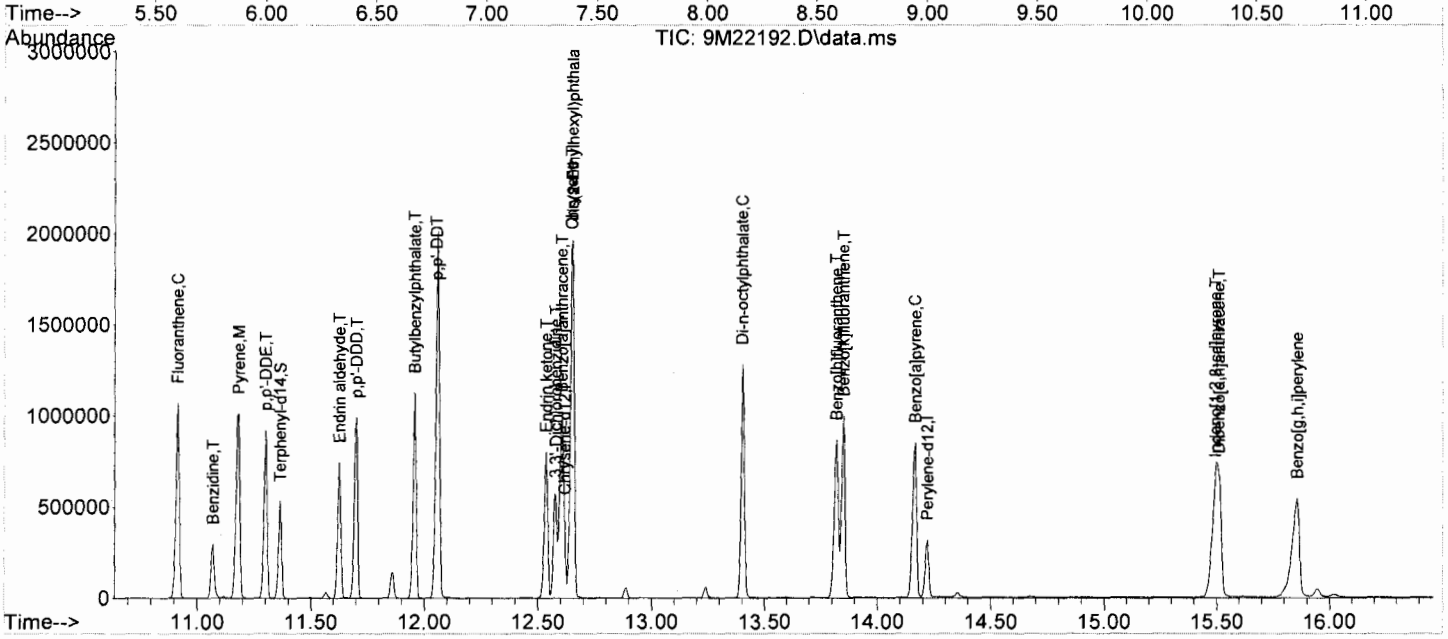
Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Nitrophenol	8.192	65	55197	137.74	ng	90
61) 2,3,4,6-Tetrachlorophenol	8.395	232	57222	99.87	ng	91
62) Fluorene	8.609	166	279358	109.67	ng	100
63) 4-Chlorophenyl-phenyle...	8.599	204	119612	103.07	ng	95
64) Diethylphthalate	8.481	149	294138	107.68	ng	99
65) 4-Nitroaniline	8.625	138	76808	110.88	ng	87
66) Atrazine	9.251	200	87965	100.05	ng	98
68) 4,6-Dinitro-2-methylph...	8.652	198	45898	116.56	ng	39
69) n-Nitrosodiphenylamine	8.716	169	236125	118.58	ng	99
71) 1,2-Diphenylhydrazine	8.754	77	317947	139.91	ng	91
72) 4-Bromophenyl-phenylether	9.085	248	64684	112.09	ng	99
73) Hexachlorobenzene	9.155	284	62386	116.38	ng	76
74) N-Octadecane	9.428	57	227822	169.31	ng	84
75) Pentachlorophenol	9.353	266	37689	118.36	ng	96
76) Phenanthrene	9.588	178	400669	113.64	ng	99
77) Anthracene	9.642	178	411295	115.69	ng	99
78) Carbazole	9.813	167	404548	112.36	ng	99
79) Di-n-butylphthalate	10.192	149	533175	115.99	ng	98
80) Fluoranthene	10.915	202	421979	105.20	ng	96
82) Pyrene	11.182	202	453287	121.92	ng	91
83) Benzidine	11.070	184	108704	87.44	ng	85
85) p,p'-DDE	11.300	246	87418	113.79	ng	93
86) Endrin	11.626	81	32144	143.15	ng	82
87) p,p'-DDD	11.701	235	157825	114.81	ng	84
88) Butylbenzylphthalate	11.958	149	255160	130.00	ng	77
89) Endrin aldehyde	11.626	67	11558	170.31	ng	61
90) p,p'-DDT	12.054	235	139354	119.92	ng	90
91) Endrin ketone	12.535	317	16335	137.17	ng	98
92) 3,3'-Dichlorobenzidine	12.578	252	102800	121.78	ng	97
93) Benzo[a]anthracene	12.605	228	396918	109.46	ng	99
94) Chrysene	12.648	228	367359	109.25	ng	98
95) bis(2-Ethylhexyl)phtha...	12.653	149	355614	126.99	ng	97
97) Di-n-octylphthalate	13.402	149	629601	134.01	ng	100
98) Benzo[b]fluoranthene	13.819	252	385661	115.66	ng	98
99) Benzo[k]fluoranthene	13.851	252	339995	109.77	ng	97
100) Benzo[a]pyrene	14.167	252	349649	112.55	ng	97
101) Indeno[1,2,3-cd]pyrene	15.493	276	358473	108.45	ng	96
102) Dibenzo[a,h]anthracene	15.509	278	294750	111.69	ng	98
103) Benzo[g,h,i]perylene	15.857	276	292118	106.16	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M22192.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 9M22192.D
Acq On : 12/17/09 11:31
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:18
Qt Upd On: 12/17/09 12:16
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 9M22192.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Benzoic Acid,T
2,4-Dichlorophenol,C
Naphthalene,T
Hexachlorobutadiene,C
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
2,4,6-Tribromophenol,S
Time-->


Abundance
TIC: 9M22192.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Endrin ketone,T
Di-n-octylphthalate,C
Benzo(b)fluoranthene,T
Benzo(k)fluoranthene,T
Benzo(a)pyrene,C
Perylene-d12,I
Benzo(g,h,i)perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM
Data File: 9M22191.D
Acq On : 12/17/09 11:08

Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA

Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:17
Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.683	152	33661	40.00	ng	0.00
23) Naphthalene-d8	6.694	136	135402	40.00	ng	0.00
41) Acenaphthene-d10	8.106	164	74631	40.00	ng	0.00
67) Phenanthrene-d10	9.561	188	125202	40.00	ng	0.00
81) Chrysene-d12	12.621	240	97876	40.00	ng	0.01
96) Perylene-d12	14.220	264	98607	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.475	112	179057	181.02	ng	0.00
Spiked Amount 100.000			Recovery =	181.02%		
9) Phenol-d5	5.378	99	247159	165.45	ng	0.01
Spiked Amount 100.000			Recovery =	165.45%		
24) Nitrobenzene-d5	6.138	128	48749	85.63	ng	0.00
Spiked Amount 50.000			Recovery =	171.26%		
46) 2-Fluorobiphenyl	7.523	172	202756	83.66	ng	0.00
Spiked Amount 50.000			Recovery =	167.32%		
70) 2,4,6-Tribromophenol	8.844	330	40529	208.47	ng	0.00
Spiked Amount 100.000			Recovery =	208.47%		
84) Terphenyl-d14	11.369	244	207641	77.81	ng	0.00
Spiked Amount 50.000			Recovery =	155.62%		
Target Compounds						Qvalue
2) Pyridine	2.806	79	194925	216.15	ng	81
3) N-Nitrosodimethylamine	2.752	74	116288	191.37	ng	89
5) Benzaldehyde	5.304	77	64508	65.05	ng	83
6) Aniline	5.405	93	280236	160.82	ng	50
7) Pentachloroethane	5.443	117	85893	175.70	ng	84
8) bis(2-Chloroethyl)ether	5.464	93	176538	158.03	ng	88
10) Phenol	5.389	94	262282	164.85	ng	99
11) 2-Chlorophenol	5.507	128	193353	156.41	ng	82
12) N-Decane	5.550	57	227400	227.22	ng	88
13) 1,3-Dichlorobenzene	5.635	146	197338	160.47	ng	98
14) 1,4-Dichlorobenzene	5.699	146	206810	159.31	ng	99
15) 1,2-Dichlorobenzene	5.822	146	194171	156.46	ng	98
16) Benzyl alcohol	5.801	108	129309	164.29	ng	86
17) bis(2-chloroisopropyl)...	5.913	45	286640	193.75	ng	86
18) 2-Methylphenol	5.892	108	176010	156.88	ng	100
19) Acetophenone	6.020	105	305152	143.74	ng	83
20) Hexachloroethane	6.095	117	83059	158.12	ng	99
21) N-Nitroso-di-n-propyla...	6.020	70	151307	163.00	ng	95
22) 3&4-Methylphenol	6.020	108	181627	143.54	ng	98
25) Nitrobenzene	6.154	77	208537	184.24	ng	85
26) Isophorone	6.341	82	401761	174.11	ng	91
27) 2-Nitrophenol	6.400	139	108415	177.07	ng	94
28) 2,4-Dimethylphenol	6.432	107	208682	170.25	ng	98
29) Benzoic Acid	6.544	105	139669m	156.44	ng	
30) bis(2-Chloroethoxy)met...	6.507	93	227812	170.84	ng	95
31) 2,4-Dichlorophenol	6.587	162	156639	158.60	ng	91
32) 1,2,4-Trichlorobenzene	6.646	180	172603	159.44	ng	98
33) Naphthalene	6.710	128	562876	159.26	ng	99
34) 4-Chloroaniline	6.748	127	187017	189.44	ng	99
35) Hexachlorobutadiene	6.796	225	80633	144.01	ng	94
36) Caprolactam	7.058	113	72938	140.93	ng	72
37) 4-Chloro-3-methylphenol	7.117	107	179012	159.87	ng	79
38) 2-Methylnaphthalene	7.240	142	388408	154.74	ng	100
39) Methylnaphthalenes (To...	7.240	142	388408	154.74	ng	100
40) 1,1'-Biphenyl	7.609	154	551755	149.31	ng	96
42) 1,2,4,5-Tetrachloroben...	7.368	216	183612	162.03	ng	98
43) Hexachlorocyclopentadiene	7.357	237	78603	177.20	ng	99
44) 2,4,6-Trichlorophenol	7.459	196	103368	163.90	ng	98
45) 2,4,5-Trichlorophenol	7.497	196	112825	159.93	ng	98
47) 2-Chloronaphthalene	7.636	162	349756	163.70	ng	94
48) 1,4-Dimethylnaphthalene	7.914	156	371532	159.87	ng	92
49) Dimethylnaphthalenes (...	7.914	156	371532	159.87	ng	92
50) Diphenyl Ether	7.694	170	282236	161.67	ng	83
51) 2-Nitroaniline	7.710	65	159329	204.40	ng	75
52) Acenaphthylene	7.989	152	588137	162.27	ng	98
53) Dimethylphthalate	7.860	163	415568	154.70	ng	99
54) 2,6-Dinitrotoluene	7.919	165	92021	154.36	ng	64
55) Acenaphthene	8.138	153	373425	161.57	ng	95
56) 3-Nitroaniline	8.063	138	92768	158.99	ng	73
57) 2,4-Dinitrophenol	8.154	184	53073	160.48	ng	81
58) Dibenzofuran	8.293	168	490573	153.33	ng	91
59) 2,4-Dinitrotoluene	8.277	165	131647	160.14	ng	65

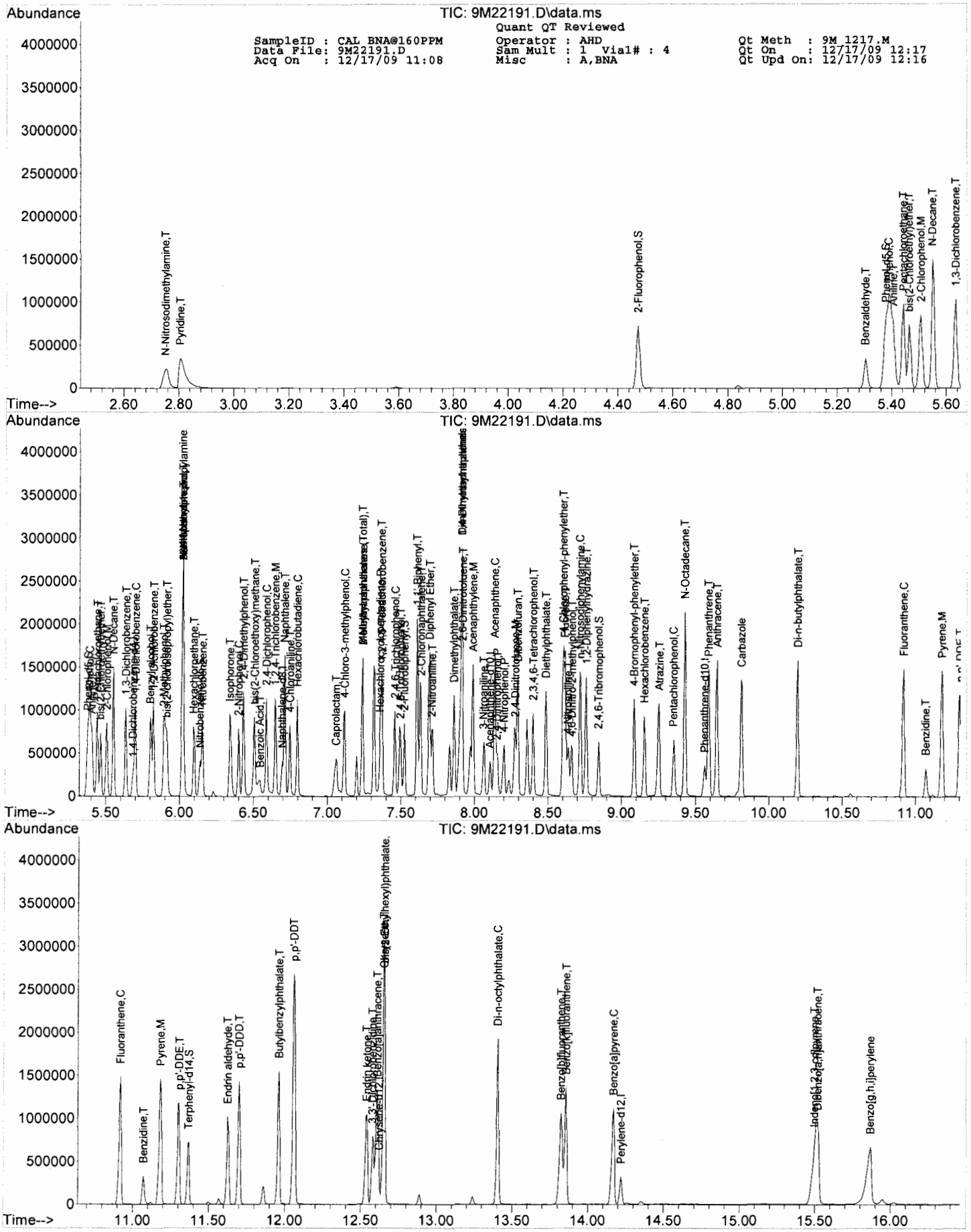
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22191.D Sam Mult : 1 Vial# : 4 Qt On : 12/17/09 12:17
Acq On : 12/17/09 11:08 Misc : A,BNA Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	8.203	65	84538	197.20	ng	79
61)	2,3,4,6-Tetrachlorophenol	8.400	232	89009	145.22	ng	93
62)	Fluorene	8.614	166	412490	151.37	ng	100
63)	4-Chlorophenyl-phenyle...	8.604	204	174426	140.50	ng	94
64)	Diethylphthalate	8.486	149	437495	149.71	ng	100
65)	4-Nitroaniline	8.636	138	114536	154.56	ng	85
66)	Atrazine	9.256	200	126523	134.52	ng	97
68)	4,6-Dinitro-2-methylph...	8.662	198	70783	158.40	ng	42
69)	n-Nitrosodiphenylamine	8.716	169	358850	166.70	ng	100
71)	1,2-Diphenylhydrazine	8.759	77	477620	194.42	ng	87
72)	4-Bromophenyl-phenylether	9.085	248	96024	153.93	ng	94
73)	Hexachlorobenzene	9.155	284	93484	161.32	ng	87
74)	N-Octadecane	9.427	57	342402	235.38	ng	85
75)	Pentachlorophenol	9.352	266	59082	158.46	ng	97
76)	Phenanthrene	9.588	178	596602	156.53	ng	99
77)	Anthracene	9.647	178	608602	158.36	ng	99
78)	Carbazole	9.812	167	596507	153.25	ng	98
79)	Di-n-butylphthalate	10.198	149	788243	158.63	ng	98
80)	Fluoranthene	10.920	202	624910	144.12	ng	95
82)	Pyrene	11.182	202	660235	171.01	ng	93
83)	Benzidine	11.069	184	118198	91.55	ng	87
85)	p,p'-DDE	11.305	246	126050	158.00	ng	94
86)	Endrin	11.626	81	47609	204.16	ng	87
87)	p,p'-DDD	11.701	235	225935	158.26	ng	83
88)	Butylbenzylphthalate	11.963	149	365158	179.15	ng	76
89)	Endrin aldehyde	11.626	67	16266	230.80	ng	62
90)	p,p'-DDT	12.059	235	199801	165.56	ng	89
91)	Endrin ketone	12.540	317	23321	188.57	ng	99
92)	3,3'-Dichlorobenzidine	12.578	252	135197	162.50	ng	100
93)	Benzo[a]anthracene	12.610	228	553337	146.95	ng	99
94)	Chrysene	12.653	228	516794	147.99	ng	98
95)	bis(2-Ethylhexyl)phtha...	12.658	149	494952	170.20	ng	95
97)	Di-n-octylphthalate	13.407	149	887037	187.55	ng	100
98)	Benzo[b]fluoranthene	13.824	252	541736	161.39	ng	97
99)	Benzo[k]fluoranthene	13.856	252	456605	146.44	ng	96
100)	Benzo[a]pyrene	14.172	252	482510	154.29	ng	95
101)	Indeno[1,2,3-cd]pyrene	15.498	276	477798	143.59	ng	78
102)	Dibenzo[a,h]anthracene	15.519	278	394043	148.32	ng	97
103)	Benzo[g,h,i]perylene	15.867	276	394277	142.34	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M22191.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 9M22191.D
Acq On : 12/17/09 11:08
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:17
Qt Upd On: 12/17/09 12:16
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 9M22191.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
2,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
2,4,6-Tribromophenol,S
Time-->

Abundance
TIC: 9M22191.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,T
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22190.D Sam Mult : 1 Vial# : 3 Qt On : 12/17/09 12:17
Acq On : 12/17/09 10:45 Misc : A,BNA Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.683	152	34035	40.00	ng	0.00
23) Naphthalene-d8	6.694	136	132938	40.00	ng	0.00
41) Acenaphthene-d10	8.106	164	77058	40.00	ng	0.00
67) Phenanthrene-d10	9.561	188	125385	40.00	ng	0.00
81) Chrysene-d12	12.621	240	95062	40.00	ng	0.01
96) Perylene-d12	14.220	264	93935	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.475	112	219497	219.46	ng	0.00
Spiked Amount 100.000			Recovery = 219.46%			
9) Phenol-d5	5.379	99	301923	199.89	ng	0.01
Spiked Amount 100.000			Recovery = 199.89%			
24) Nitrobenzene-d5	6.138	128	56440	100.97	ng	0.00
Spiked Amount 50.000			Recovery = 201.94%			
46) 2-Fluorobiphenyl	7.523	172	243924	97.48	ng	0.00
Spiked Amount 50.000			Recovery = 194.96%			
70) 2,4,6-Tribromophenol	8.850	330	49949	256.54	ng	0.01
Spiked Amount 100.000			Recovery = 256.54%			
84) Terphenyl-d14	11.369	244	251422	97.00	ng	0.00
Spiked Amount 50.000			Recovery = 194.00%			
Target Compounds						Qvalue
2) Pyridine	2.806	79	234570	257.26	ng	83
3) N-Nitrosodimethylamine	2.758	74	141828	225.79	ng	90
5) Benzaldehyde	5.304	77	69535	69.35	ng	81
6) Aniline	5.405	93	342182	187.02	ng	51
7) Pentachloroethane	5.443	117	100542	203.41	ng	82
8) bis(2-Chloroethyl)ether	5.469	93	215951	191.18	ng	84
10) Phenol	5.395	94	321180	199.65	ng	93
11) 2-Chlorophenol	5.507	128	239475	191.59	ng	84
12) N-Decane	5.550	57	269270	266.10	ng	87
13) 1,3-Dichlorobenzene	5.635	146	239595	192.69	ng	98
14) 1,4-Dichlorobenzene	5.699	146	246742	187.98	ng	98
15) 1,2-Dichlorobenzene	5.822	146	234230	186.66	ng	97
16) Benzyl alcohol	5.806	108	157845	198.34	ng	80
17) bis(2-chloroisopropyl)...	5.913	45	345536	230.99	ng	83
18) 2-Methylphenol	5.897	108	212581	187.39	ng	100
19) Acetophenone	6.020	105	373008	173.78	ng	81
20) Hexachloroethane	6.095	117	103669	195.19	ng	98
21) N-Nitroso-di-n-propyla...	6.026	70	184436	196.51	ng	91
22) 3&4-Methylphenol	6.026	108	221184	172.88	ng	97
25) Nitrobenzene	6.154	77	254181	228.73	ng	86
26) Isophorone	6.347	82	488676	215.70	ng	88
27) 2-Nitrophenol	6.400	139	130713	217.45	ng	92
28) 2,4-Dimethylphenol	6.438	107	252291	209.64	ng	97
29) Benzoic Acid	6.555	105	175357m	187.39	ng	
30) bis(2-Chloroethoxy)met...	6.507	93	280310	214.10	ng	95
31) 2,4-Dichlorophenol	6.593	162	191539	197.53	ng	87
32) 1,2,4-Trichlorobenzene	6.652	180	206982	194.74	ng	98
33) Naphthalene	6.710	128	684205	197.18	ng	99
34) 4-Chloroaniline	6.748	127	218079	245.72	ng	100
35) Hexachlorobutadiene	6.796	225	97497	177.36	ng	97
36) Caprolactam	7.069	113	81013	159.44	ng	72
37) 4-Chloro-3-methylphenol	7.117	107	221126	201.14	ng	84
38) 2-Methylnaphthalene	7.240	142	476032	193.17	ng	99
39) Methylnaphthalenes (To...	7.240	142	476032	193.17	ng	99
40) 1,1'-Biphenyl	7.614	154	681467	187.83	ng	94
42) 1,2,4,5-Tetrachloroben...	7.374	216	226075	193.22	ng	98
43) Hexachlorocyclopentadiene	7.363	237	96422	201.28	ng	98
44) 2,4,6-Trichlorophenol	7.459	196	126289	193.93	ng	98
45) 2,4,5-Trichlorophenol	7.497	196	137654	188.98	ng	97
47) 2-Chloronaphthalene	7.636	162	429472	194.68	ng	95
48) 1,4-Dimethylnaphthalene	7.914	156	450862	187.90	ng	93
49) Dimethylnaphthalenes (...	7.914	156	450862	187.90	ng	93
50) Diphenyl Ether	7.694	170	349876	194.10	ng	88
51) 2-Nitroaniline	7.716	65	194511	241.67	ng	66
52) Acenaphthylene	7.994	152	718994	192.13	ng	99
53) Dimethylphthalate	7.866	163	507246	182.88	ng	98
54) 2,6-Dinitrotoluene	7.919	165	112092	182.11	ng	72
55) Acenaphthene	8.138	153	459283	192.46	ng	95
56) 3-Nitroaniline	8.069	138	111425	184.95	ng	71
57) 2,4-Dinitrophenol	8.160	184	67219	186.75	ng	86
58) Dibenzofuran	8.294	168	607314	183.84	ng	91
59) 2,4-Dinitrotoluene	8.277	165	155580	183.29	ng	78

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM
Data File: 9M22190.D
Acq On : 12/17/09 10:45

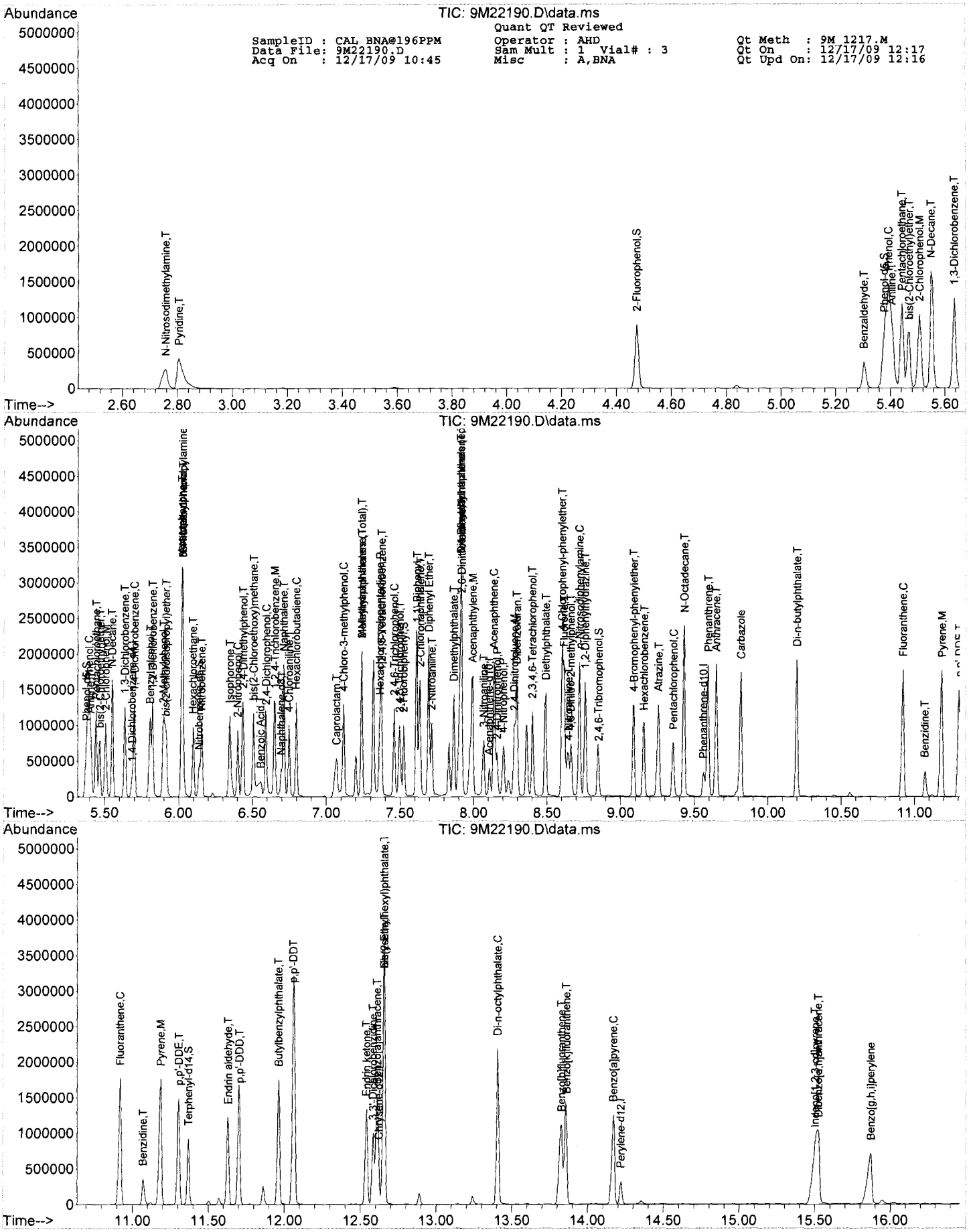
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA

Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:17
Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
60) 4-Nitrophenol	8.203	65	103719	234.33 ng	84
61) 2,3,4,6-Tetrachlorophenol	8.400	232	107721	170.21 ng	93
62) Fluorene	8.614	166	506819	180.13 ng	100
63) 4-Chlorophenyl-phenyle...	8.604	204	220334	171.89 ng	94
64) Diethylphthalate	8.491	149	534033	176.99 ng	98
65) 4-Nitroaniline	8.647	138	138295	180.75 ng	86
66) Atrazine	9.256	200	154549	159.15 ng	98
68) 4,6-Dinitro-2-methylph...	8.663	198	86090	186.45 ng	38
69) n-Nitrosodiphenylamine	8.721	169	437744	203.05 ng	100
71) 1,2-Diphenylhydrazine	8.759	77	587879	238.95 ng	90
72) 4-Bromophenyl-phenylether	9.090	248	120229	192.45 ng	99
73) Hexachlorobenzene	9.160	284	112368	193.63 ng	78
74) N-Octadecane	9.433	57	424843	291.63 ng	82
75) Pentachlorophenol	9.358	266	74589	188.79 ng	98
76) Phenanthrene	9.593	178	721002	188.89 ng	99
77) Anthracene	9.647	178	735343	191.05 ng	100
78) Carbazole	9.818	167	726513	186.38 ng	99
79) Di-n-butylphthalate	10.198	149	973070	195.54 ng	98
80) Fluoranthene	10.920	202	767472	176.74 ng	95
82) Pyrene	11.187	202	799433	213.19 ng	91
83) Benzidine	11.069	184	138702	110.62 ng	95
85) p,p'-DDE	11.305	246	154642	199.58 ng	93
86) Endrin	11.631	81	57036	251.83 ng	86
87) p,p'-DDD	11.706	235	272560	196.57 ng	84
88) Butylbenzylphthalate	11.963	149	440695	222.61 ng	80
89) Endrin aldehyde	11.631	67	20717	302.66 ng	64
90) p,p'-DDT	12.059	235	241936	206.41 ng	90
91) Endrin ketone	12.540	317	27491	228.87 ng	98
92) 3,3'-Dichlorobenzidine	12.583	252	162563	216.63 ng	98
93) Benzo[a]anthracene	12.610	228	665290	181.91 ng	99
94) Chrysene	12.658	228	611457	180.29 ng	97
95) bis(2-Ethylhexyl)phtha...	12.658	149	593428	210.10 ng	96
97) Di-n-octylphthalate	13.407	149	1062672	235.86 ng	99
98) Benzo[b]fluoranthene	13.829	252	608746	190.37 ng	96
99) Benzo[k]fluoranthene	13.861	252	561506m	189.04 ng	
100) Benzo[a]pyrene	14.172	252	558791	187.57 ng	96
101) Indeno[1,2,3-cd]pyrene	15.503	276	566346	178.66 ng	96
102) Dibenzo[a,h]anthracene	15.525	278	467215	184.61 ng	97
103) Benzo[g,h,i]perylene	15.873	276	467819	177.29 ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
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Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 9M22190.D
Acq On : 12/17/09 10:45
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:17
Qt Upd On: 12/17/09 12:16
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d6,S
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 9M22190.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Benzoic Acid,T
Dimethylphthalate,T
Acenaphthylene,M
2,6-Dinitrotoluene,T
Acenaphthene,C
3-Nitroaniline,T
2,4-Dinitrophenol,C
4-Nitrophenol,C
Dibenzofuran,T
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
Fluorene,C
4-Nitroaniline,T
4,6-Dinitro-2-methylphenol,C
1,2-Diphenylhydrazine,M
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Time-->

Abundance
TIC: 9M22190.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Endrin ketone,T
Di-n-octylphthalate,C
Benzo[b]fluoranthene,T
Benzo[k]fluoranthene,T
Benzo[a]pyrene,C
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,T
Dibenz[a,h]anthracene,T
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M54616.D **Instrument:** GCMS 5

Cont Calibration Date/Time 12/27/2009 10:46:00 **Method:** EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.29	40.00	40				0.000	0.00	
Pyridine	1	0		2.20	46.53	50			1.694	1.795	6.94	
N-Nitrosodimethylamine	1	0		2.15	47.49	50			0.993	1.078	5.02	
2-Fluorophenol	1	0	S	4.02	42.70	50			1.415	1.392	14.60	
Benzaldehyde	1	0		4.90	44.38	50			1.591	1.413	11.24	
Aniline	1	0		5.00	51.33	50			2.426	2.782	2.66	
Pentachloroethane	1	0		5.03	51.91	50			0.713	0.740	3.82	
bis(2-Chloroethyl)ether	1	0		5.07	52.49	50			1.575	1.654	4.98	
Phenol-d5	1	0	S	4.99	50.45	50			2.225	2.245	0.90	
Phenol	1	0	CC	5.00	52.14	50	20		2.440	2.544	4.28	
2-Chlorophenol	1	0		5.10	50.29	50			1.463	1.471	0.58	
N-Decane	1	0		5.16	47.63	50			2.600	2.477	4.74	
1,3-Dichlorobenzene	1	0		5.23	49.81	50			1.513	1.507	0.38	
1,4-Dichlorobenzene	1	0	CC	5.30	50.74	50	20		1.576	1.599	1.48	
1,2-Dichlorobenzene	1	0		5.42	52.27	50			1.465	1.532	4.54	
Benzyl alcohol	1	0		5.42	56.57	50			0.987	1.117	13.14	
bis(2-chloroisopropyl)ether	1	0		5.53	51.93	50			2.295	2.384	3.86	
2-Methylphenol	1	0		5.52	51.03	50			1.481	1.512	2.06	
Acetophenone	1	0		5.63	53.56	50			2.652	2.840	7.12	
Hexachloroethane	1	0		5.70	53.45	50			0.652	0.697	6.90	
N-Nitroso-di-n-propylamine	1	0	CP	5.64	53.40	50	0.05		1.390	1.484	6.80	
3&4-Methylphenol	1	0		5.65	55.08	50			1.448	1.596	10.16	
Naphthalene-d8	1	0	I	6.31	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.76	25.04	25			0.164	0.165	0.16	
Nitrobenzene	1	0		5.77	49.80	50			0.530	0.528	0.40	
Isophorone	1	0		5.96	52.00	50			0.913	0.949	4.00	
2-Nitrophenol	1	0	CC	6.02	51.44	50	20		0.191	0.196	2.88	
2,4-Dimethylphenol	1	0		6.07	52.15	50			0.444	0.464	4.30	
Benzoic Acid	1	0		6.17	51.10	50			0.273	0.269	2.20	
bis(2-Chloroethoxy)methane	1	0		6.13	49.82	50			0.493	0.491	0.36	
2,4-Dichlorophenol	1	0	CC	6.22	51.22	50	20		0.295	0.303	2.44	
1,2,4-Trichlorobenzene	1	0		6.27	50.36	50			0.338	0.341	0.72	
Naphthalene	1	0		6.33	48.31	50			1.092	1.055	3.38	
4-Chloroaniline	1	0		6.38	60.46	50			0.354	0.428	20.92	
Hexachlorobutadiene	1	0	CC	6.42	53.85	50	20		0.193	0.207	7.70	
Caprolactam	1	0		6.65	54.21	50			0.129	0.148	8.42	
4-Chloro-3-methylphenol	1	0	CC	6.74	54.64	50	20		0.382	0.418	9.28	
2-Methylnaphthalene	1	0		6.85	49.50	50			0.716	0.709	1.00	
Methylnaphthalenes	1	0		6.85	49.50	50	20			0.709	1.00	
1,1'-Biphenyl	1	0		7.20	50.44	50			1.045	1.055	0.88	
Acenaphthene-d10	1	0	I	7.67	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		6.97	52.81	50			0.698	0.737	5.62	
Hexachlorocyclopentadiene	1	0	CP	6.96	51.16	50	0.05		0.235	0.230	2.32	
2,4,6-Trichlorophenol	1	0	CC	7.06	55.67	50	20		0.365	0.407	11.34	
2,4,5-Trichlorophenol	1	0		7.10	54.88	50			0.393	0.431	9.76	
2-Fluorobiphenyl	1	0	S	7.12	25.69	25			1.335	1.372	2.76	
2-Chloronaphthalene	1	0		7.22	50.67	50			1.179	1.195	1.34	
1,4-Dimethylnaphthalene	1	0		7.49	52.08	50			1.222	1.273	4.16	
Dimethylnaphthalenes	1	0		7.49	52.08	50	20			1.273	4.16	
Diphenyl Ether	1	0		7.28	52.21	50			0.963	1.005	4.42	
2-Nitroaniline	1	0		7.30	51.44	50			0.552	0.568	2.88	
Acenaphthylene	1	0		7.56	52.56	50			1.832	1.926	5.12	
Dimethylphthalate	1	0		7.45	53.01	50			1.425	1.511	6.02	
2,6-Dinitrotoluene	1	0		7.50	54.08	50			0.308	0.333	8.16	
Acenaphthene	1	0	CC	7.70	51.92	50	20		1.154	1.198	3.84	
3-Nitroaniline	1	0		7.64	60.17	50			0.290	0.349	20.34	
2,4-Dinitrophenol	1	0	CP	7.74	52.79	50	0.05		0.141	0.140	5.58	
Dibenzofuran	1	0		7.85	52.75	50			1.728	1.823	5.50	
2,4-Dinitrotoluene	1	0		7.84	56.52	50			0.421	0.476	13.04	
4-Nitrophenol	1	0	CP	7.80	52.45	50	0.05		0.294	0.332	4.90	
2,3,4,6-Tetrachlorophenol	1	0		7.96	58.74	50			0.300	0.352	17.48	
Fluorene	1	0		8.15	53.03	50			1.446	1.534	6.06	
4-Chlorophenyl-phenylether	1	0		8.15	53.41	50			0.686	0.733	6.82	
Diethylphthalate	1	0		8.05	54.62	50			1.442	1.575	9.24	
4-Nitroaniline	1	0		8.19	52.91	50			0.308	0.356	5.82	
Atrazine	1	0		8.80	57.36	50			0.470	0.539	14.72	
Phenanthrene-d10	1	0	I	9.08	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.21	51.63	50			0.138	0.142	3.26	
n-Nitrosodiphenylamine	1	0	CC	8.27	49.10	50	20		0.697	0.684	1.80	
2,4,6-Tribromophenol	1	0	S	8.38	54.02	50			0.078	0.084	8.04	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 5M54616.D **Instrument:** GCMS 5

Cont Calibration Date/Time 12/27/2009 10:46:00 **Method:** EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Diphenylhydrazine	1	0		8.30	50.23	50			1.119	1.125	0.46	
4-Bromophenyl-phenylether	1	0		8.62	47.49	50			0.222	0.210	5.02	
Hexachlorobenzene	1	0		8.68	48.34	50			0.211	0.204	3.32	
N-Octadecane	1	0		8.97	48.07	50			0.915	0.880	3.86	
Pentachlorophenol	1	0	CC	8.89	52.53	50	20		0.110	0.115	5.06	
Phenanthrene	1	0		9.10	49.74	50			1.194	1.188	0.52	
Anthracene	1	0		9.15	50.52	50			1.192	1.205	1.04	
Carbazole	1	0		9.33	50.94	50			1.180	1.202	1.88	
Di-n-butylphthalate	1	0		9.72	51.87	50			1.471	1.526	3.74	
Fluoranthene	1	0	CC	10.41	49.88	50	20		1.411	1.408	0.24	
Chrysene-d12	1	0	I	12.10	40.00	40				0.000	0.00	
Pyrene	1	0		10.67	49.65	50			1.701	1.689	0.70	
Benzidine	1	0		10.58	38.30	50			0.442	0.462	23.40	
Terphenyl-d14	1	0	S	10.87	24.96	25			1.052	1.051	0.16	
4,4'-DDE	1	0		10.80	52.48				0.351			
Endrin	1	0		11.10	48.69	50			0.105	0.103	2.62	
4,4'-DDD	1	0		11.20	49.45				0.583			
Butylbenzylphthalate	1	0		11.47	52.35	50			0.734	0.769	4.70	
Endrin aldehyde	1	0		11.10	48.50				0.052			
4,4'-DDT	1	0		11.55	51.58				0.513			
Endrin ketone	1	0		12.01	54.07				0.057			
3,3'-Dichlorobenzidine	1	0		12.07	49.24	50			0.389	0.444	1.52	
Benzo[a]anthracene	1	0		12.09	49.06	50			1.549	1.519	1.88	
Chrysene	1	0		12.13	48.86	50			1.431	1.399	2.28	
bis(2-Ethylhexyl)phthalate	1	0		12.17	51.84	50			0.954	0.989	3.68	
Perylene-d12	1	0	I	13.69	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	12.92	51.35	50	20		1.658	1.754	2.70	
Benzo[b]fluoranthene	1	0		13.30	48.08	50			1.372	1.319	3.84	
Benzo[k]fluoranthene	1	0		13.33	50.24	50			1.314	1.320	0.48	
Benzo[a]pyrene	1	0	CC	13.64	50.18	50	20		1.288	1.293	0.36	
Indeno[1,2,3-cd]pyrene	1	0		14.80	50.11	50			1.299	1.302	0.22	
Dibenzo[a,h]anthracene	1	0		14.82	50.82	50			1.073	1.090	1.64	
Benzo[g,h,i]perylene	1	0		15.10	49.93	50			1.068	1.066	0.14	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.222	0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.716	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM
Data File: 5M54616.D
Acq On : 12/27/09 10:46

Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA

Qt Meth : 5M_1215.M
Qt On : 12/27/09 11:01
Qt Upd On: 12/16/09 10:09

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-27-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.286	152	22803	40.00	ng	-0.03
23) Naphthalene-d8	6.311	136	92240	40.00	ng	-0.03
41) Acenaphthene-d10	7.674	164	52515	40.00	ng	-0.03
67) Phenanthrene-d10	9.079	188	96562	40.00	ng	-0.04
81) Chrysene-d12	12.097	240	87604	40.00	ng	-0.05
96) Perylene-d12	13.694	264	88983	40.00	ng	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	4.025	112	39691	42.70	ng	-0.03
Spiked Amount 100.000			Recovery = 42.70%			
9) Phenol-d5	4.992	99	63986	50.45	ng	-0.03
Spiked Amount 100.000			Recovery = 50.45%			
24) Nitrobenzene-d5	5.756	128	9488	25.04	ng	-0.02
Spiked Amount 50.000			Recovery = 50.08%			
46) 2-Fluorobiphenyl	7.123	172	45037	25.69	ng	-0.03
Spiked Amount 50.000			Recovery = 51.38%			
70) 2,4,6-Tribromophenol	8.384	330	10133	54.02	ng	-0.03
Spiked Amount 100.000			Recovery = 54.02%			
84) Terphenyl-d14	10.868	244	57518	24.96	ng	-0.04
Spiked Amount 50.000			Recovery = 49.92%			
Target Compounds						Qvalue
2) Pyridine	2.203	79	51156	46.53	ng	75
3) N-Nitrosodimethylamine	2.155	74	30741	47.49	ng	77
5) Benzaldehyde	4.896	77	40267	44.38	ng	94
6) Aniline	4.997	93	79306	51.33	ng	93
7) Pentachloroethane	5.029	117	21105	51.91	ng	84
8) bis(2-Chloroethyl)ether	5.066	93	47146	52.49	ng	100
10) Phenol	5.002	94	72521	52.14	ng	45
11) 2-Chlorophenol	5.104	128	41942	50.29	ng	96
12) N-Decane	5.157	57	70610	47.63	ng	95
13) 1,3-Dichlorobenzene	5.232	146	42963	49.81	ng	98
14) 1,4-Dichlorobenzene	5.302	146	45585	50.74	ng	95
15) 1,2-Dichlorobenzene	5.424	146	43670	52.27	ng	99
16) Benzyl alcohol	5.419	108	31834	56.57	ng	97
17) bis(2-chloroisopropyl)...	5.531	45	67954	51.93	ng	88
18) 2-Methylphenol	5.521	108	43096	51.03	ng	98
19) Acetophenone	5.633	105	80964	53.56	ng	73
20) Hexachloroethane	5.702	117	19861	53.45	ng	82
21) N-Nitroso-di-n-propyla...	5.638	70	42310	53.40	ng	74
22) 3&4-Methylphenol	5.654	108	45479	55.08	ng	95
25) Nitrobenzene	5.766	77	60899	49.80	ng	99
26) Isophorone	5.959	82	109439	52.00	ng	99
27) 2-Nitrophenol	6.023	139	22617	51.44	ng	77
28) 2,4-Dimethylphenol	6.066	107	53442	52.15	ng	88
29) Benzoic Acid	6.167	105	31004m	51.10	ng	
30) bis(2-Chloroethoxy)met...	6.135	93	56664	49.82	ng	97
31) 2,4-Dichlorophenol	6.215	162	34896	51.22	ng	91
32) 1,2,4-Trichlorobenzene	6.269	180	39263	50.36	ng	100
33) Naphthalene	6.327	128	121682	48.31	ng	99
34) 4-Chloroaniline	6.375	127	49313	60.46	ng	98
35) Hexachlorobutadiene	6.418	225	23912	53.85	ng	95
36) Caprolactam	6.648	113	17089	54.21	ng	71
37) 4-Chloro-3-methylphenol	6.744	107	48186	54.64	ng	96
38) 2-Methylnaphthalene	6.845	142	81775	49.50	ng	96
39) Methylnaphthalenes (To...	6.845	142	81775	49.50	ng	96
40) 1,1'-Biphenyl	7.203	154	121585	50.44	ng	96
42) 1,2,4,5-Tetrachloroben...	6.974	216	48386	52.81	ng	98
43) Hexachlorocyclopentadiene	6.958	237	15066	51.16	ng	94
44) 2,4,6-Trichlorophenol	7.064	196	26705	55.67	ng	98
45) 2,4,5-Trichlorophenol	7.102	196	28298	54.88	ng	99
47) 2-Chloronaphthalene	7.219	162	78442	50.67	ng	96
48) 1,4-Dimethylnaphthalene	7.487	156	83582	52.08	ng	97
49) Dimethylnaphthalenes (...	7.487	156	83582	52.08	ng	97
50) Diphenyl Ether	7.284	170	65991	52.21	ng	92
51) 2-Nitroaniline	7.305	65	37253	51.44	ng	95
52) Acenaphthylene	7.556	152	126428	52.56	ng	99
53) Dimethylphthalate	7.449	163	99199	53.01	ng	99
54) 2,6-Dinitrotoluene	7.503	165	21838	54.08	ng	81
55) Acenaphthene	7.700	153	78667	51.92	ng	96
56) 3-Nitroaniline	7.641	138	22939	60.17	ng	27
57) 2,4-Dinitrophenol	7.738	184	9204	52.79	ng	53
58) Dibenzofuran	7.850	168	119697	52.75	ng	95
59) 2,4-Dinitrotoluene	7.844	165	31241	56.52	ng	83

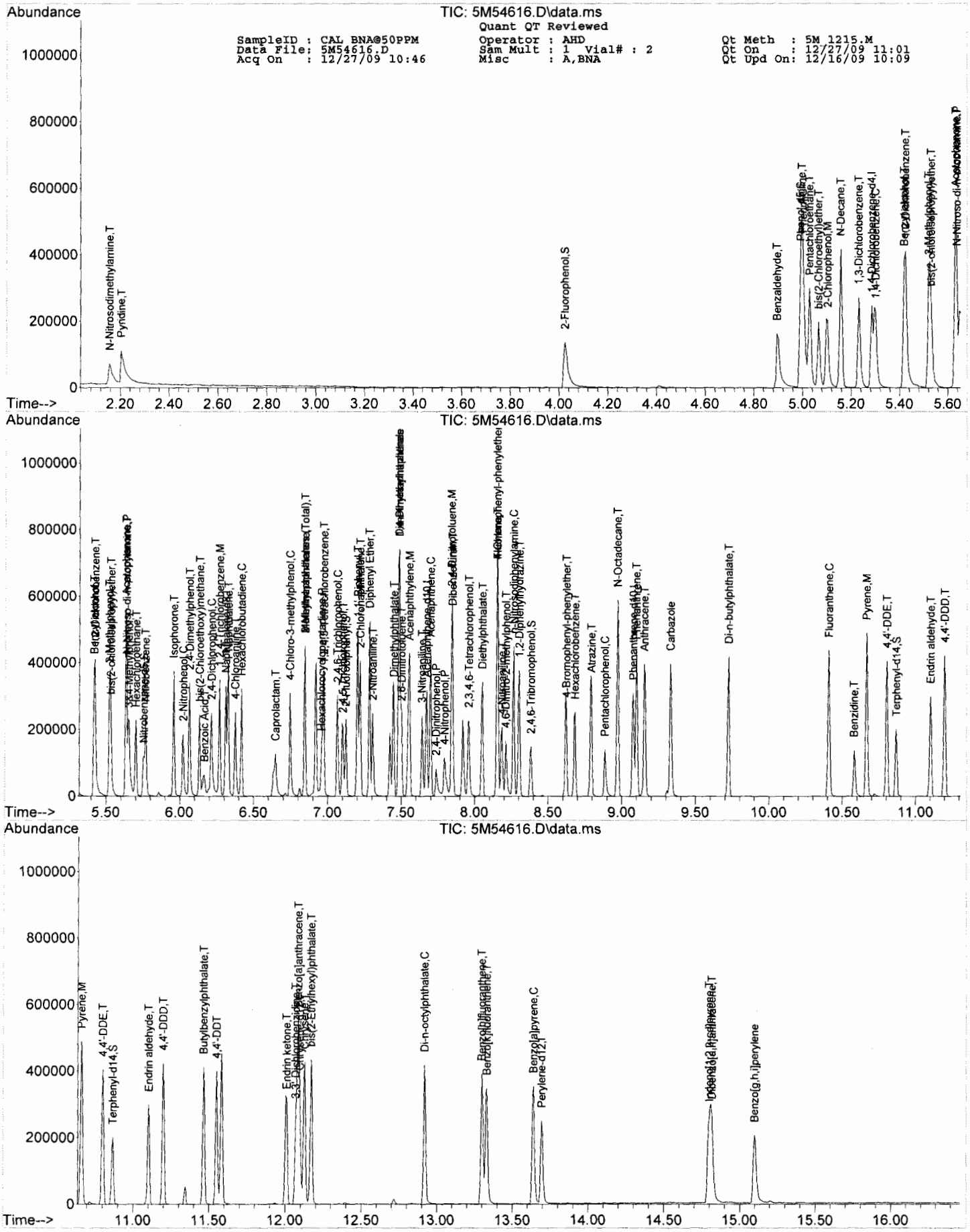
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 5M_1215.M
Data File: 5M54616.D Sam Mult : 1 Vial# : 2 Qt On : 12/27/09 11:01
Acq On : 12/27/09 10:46 Misc : A,BNA Qt Upd On: 12/16/09 10:09

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-27-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Nitrophenol	7.796	65	21774	52.45	ng	92
61) 2,3,4,6-Tetrachlorophenol	7.962	232	23112	58.74	ng	93
62) Fluorene	8.154	166	100680	53.03	ng	98
63) 4-Chlorophenyl-phenyle...	8.154	204	48090	53.41	ng	90
64) Diethylphthalate	8.053	149	103417	54.62	ng	100
65) 4-Nitroaniline	8.186	138	23364	52.91	ng	80
66) Atrazine	8.795	200	35362	57.36	ng	97
68) 4,6-Dinitro-2-methylph...	8.213	198	17084	51.63	ng	31
69) n-Nitrosodiphenylamine	8.267	169	82613	49.10	ng	99
71) 1,2-Diphenylhydrazine	8.304	77	135735	50.23	ng	97
72) 4-Bromophenyl-phenylether	8.624	248	25406	47.49	ng	95
73) Hexachlorobenzene	8.683	284	24581	48.34	ng	79
74) N-Octadecane	8.972	57	106190	48.07	ng	91
75) Pentachlorophenol	8.886	266	13854	52.53	ng	98
76) Phenanthrene	9.100	178	143348	49.74	ng	99
77) Anthracene	9.153	178	145398	50.52	ng	99
78) Carbazole	9.330	167	145126	50.94	ng	99
79) Di-n-butylphthalate	9.725	149	184224	51.87	ng	99
80) Fluoranthene	10.409	202	169952	49.88	ng	88
82) Pyrene	10.665	202	184935	49.65	ng	86
83) Benzidine	10.580	184	50586	38.30	ng	87
85) 4,4'-DDE	10.804	246	40358	52.48	ng	90
86) Endrin	11.103	81	11240	48.69	ng	73
87) 4,4'-DDD	11.199	235	63134	49.45	ng	82
88) Butylbenzylphthalate	11.467	149	84202	52.35	ng	92
89) Endrin aldehyde	11.103	67	5558	48.50	ng	59
90) 4,4'-DDT	11.552	235	57963	51.58	ng	92
91) Endrin ketone	12.011	317	6743	54.07	ng	97
92) 3,3'-Dichlorobenzidine	12.070	252	48657	49.24	ng	98
93) Benzo[a]anthracene	12.086	228	166387	49.06	ng	100
94) Chrysene	12.129	228	153165	48.86	ng	98
95) bis(2-Ethylhexyl)phtha...	12.172	149	108331	51.84	ng	97
97) Di-n-octylphthalate	12.920	149	195120	51.35	ng	99
98) Benzo[b]fluoranthene	13.299	252	146720	48.08	ng	94
99) Benzo[k]fluoranthene	13.331	252	146855	50.24	ng	92
100) Benzo[a]pyrene	13.641	252	143785	50.18	ng	91
101) Indeno[1,2,3-cd]pyrene	14.800	276	144776	50.11	ng	78
102) Dibenzo[a,h]anthracene	14.816	278	121263	50.82	ng	88
103) Benzo[g,h,i]perylene	15.099	276	118593	49.93	ng	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 5M54616.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 5M54616.D
Acq On : 12/27/09 10:46
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 5M_1215.M
Qt On : 12/27/09 11:01
Qt Upd On: 12/16/09 10:09
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
Benzoic Acid,C
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
Dibenzofuran,M
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
Fluorene,C
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
N-Nitrosodiphenylamine,C
1,2-Diphenylhydrazine,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,C
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Terphenyl-d14,S
4,4'-DDE,T
Endrin aldehyde,T
4,4'-DDD,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Endrin ketone,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M22392.D **Instrument:** GCMS 9

Cont Calibration Date/Time 12/27/2009 10:53:00 **Method:** EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.4-Dichlorobenzene-d4	1	0	I	5.65	40.00	40				0.000	0.00	
Pyridine	1	0		2.77	51.51	50			1.343	1.383	3.02	
N-Nitrosodimethylamine	1	0		2.70	47.03	50			0.807	0.807	5.94	
2-Fluorophenol	1	0	S	4.45	51.64	50			1.235	1.276	3.28	
Benzaldehyde	1	0		5.28	44.25	50			0.974	1.016	11.50	
Aniline	1	0		5.37	54.21	50			2.063	2.236	8.42	
Pentachloroethane	1	0		5.41	49.80	50			0.636	0.633	0.40	
bis(2-Chloroethyl)ether	1	0		5.43	50.08	50			1.354	1.357	0.16	
Phenol-d5	1	0	S	5.35	52.43	50			1.746	1.830	4.86	
Phenol	1	0	CC	5.36	51.16	50	20		1.926	1.971	2.32	
2-Chlorophenol	1	0		5.47	51.78	50			1.432	1.483	3.56	
N-Decane	1	0		5.52	53.16	50			1.724	1.833	6.32	
1.3-Dichlorobenzene	1	0		5.60	49.81	50			1.505	1.499	0.38	
1.4-Dichlorobenzene	1	0	CC	5.67	49.64	50	20		1.589	1.578	0.72	
1.2-Dichlorobenzene	1	0		5.79	49.84	50			1.463	1.458	0.32	
Benzyl alcohol	1	0		5.77	50.13	50			0.925	0.928	0.26	
bis(2-chloroisopropyl)ether	1	0		5.88	52.50	50			2.174	2.283	5.00	
2-Methylphenol	1	0		5.87	55.11	50			1.288	1.420	10.22	
Acetophenone	1	0		5.99	51.87	50			2.356	2.444	3.74	
Hexachloroethane	1	0		6.07	50.28	50			0.627	0.630	0.56	
N-Nitroso-di-n-propylamine	1	0	CP	5.99	52.23	50	0.05		1.166	1.218	4.46	
3&4-Methylphenol	1	0		5.99	52.58	50			1.378	1.449	5.16	
Naphthalene-d8	1	0	I	6.67	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.11	24.54	25			0.175	0.171	1.84	
Nitrobenzene	1	0		6.12	50.78	50			0.395	0.402	1.56	
Isophorone	1	0		6.31	50.42	50			0.757	0.764	0.84	
2-Nitrophenol	1	0	CC	6.37	51.97	50	20		0.189	0.197	3.94	
2.4-Dimethylphenol	1	0		6.41	51.72	50			0.380	0.393	3.44	
Benzoic Acid	1	0		6.49	43.78	50			0.211	0.196	12.44	
bis(2-Chloroethoxy)methane	1	0		6.47	50.58	50			0.433	0.438	1.16	
2.4-Dichlorophenol	1	0	CC	6.56	50.86	50	20		0.289	0.294	1.72	
1.2.4-Trichlorobenzene	1	0		6.62	49.34	50			0.323	0.319	1.32	
Naphthalene	1	0		6.68	49.20	50			1.076	1.059	1.60	
4-Chloroaniline	1	0		6.72	57.17	50			0.383	0.438	14.34	
Hexachlorobutadiene	1	0	CC	6.77	48.74	50	20		0.157	0.153	2.52	
Caprolactam	1	0		7.00	55.20	50			0.132	0.145	10.40	
4-Chloro-3-methylphenol	1	0	CC	7.08	51.97	50	20		0.324	0.337	3.94	
2-Methylnaphthalene	1	0		7.21	49.72	50			0.739	0.735	0.56	
Methylnaphthalenes	1	0		7.21	49.72	50	20			0.735	0.56	
1.1'-Biphenyl	1	0		7.58	50.26	50			1.054	1.059	0.52	
Acenaphthene-d10	1	0	I	8.07	40.00	40				0.000	0.00	
1.2.4.5-Tetrachlorobenzene	1	0		7.34	50.69	50			0.626	0.634	1.38	
Hexachlorocyclopentadiene	1	0	CP	7.33	24.92	50	0.05		0.197	0.107	50.16	
2.4.6-Trichlorophenol	1	0	CC	7.43	49.71	50	20		0.337	0.335	0.58	
2.4.5-Trichlorophenol	1	0		7.46	51.54	50			0.368	0.379	3.08	
2-Fluorobiphenyl	1	0	S	7.49	24.03	25			1.385	1.331	3.88	
2-Chloronaphthalene	1	0		7.60	49.59	50			1.197	1.187	0.82	
1.4-Dimethylnaphthalene	1	0		7.88	47.75	50			1.289	1.231	4.50	
Dimethylnaphthalenes	1	0		7.88	47.75	50	20			1.231	4.50	
Diphenyl Ether	1	0		7.66	49.74	50			0.972	0.967	0.52	
2-Nitroaniline	1	0		7.68	53.27	50			0.526	0.560	6.54	
Acenaphthylene	1	0		7.95	49.42	50			2.027	2.004	1.16	
Dimethylphthalate	1	0		7.82	50.81	50			1.397	1.420	1.62	
2.6-Dinitrotoluene	1	0		7.88	51.01	50			0.311	0.318	2.02	
Acenaphthene	1	0	CC	8.11	49.51	50	20		1.279	1.266	0.98	
3-Nitroaniline	1	0		8.03	54.20	50			0.325	0.352	8.40	
2.4-Dinitrophenol	1	0	CP	8.13	55.67	50	0.05		0.142	0.155	11.34	
Dibenzofuran	1	0		8.26	49.13	50			1.699	1.670	1.74	
2.4-Dinitrotoluene	1	0		8.24	52.03	50			0.426	0.443	4.06	
4-Nitrophenol	1	0	CP	8.18	49.60	50	0.05		0.275	0.273	0.80	
2.3.4.6-Tetrachlorophenol	1	0		8.37	53.67	50			0.276	0.297	7.34	
Fluorene	1	0		8.58	49.43	50			1.414	1.398	1.14	
4-Chlorophenyl-phenylether	1	0		8.57	50.28	50			0.618	0.622	0.56	
Diethylphthalate	1	0		8.45	49.51	50			1.525	1.510	0.98	
4-Nitroaniline	1	0		8.59	51.10	50			0.379	0.387	2.20	
Atrazine	1	0		9.21	52.01	50			0.441	0.459	4.02	
Phenanthrene-d10	1	0	I	9.53	40.00	40				0.000	0.00	
4.6-Dinitro-2-methylphenol	1	0		8.62	57.12	50			0.125	0.143	14.24	
n-Nitrosodiphenylamine	1	0	CC	8.68	48.35	50	20		0.740	0.716	3.30	
2.4.6-Tribromophenol	1	0	S	8.81	54.65	50			0.077	0.084	9.30	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M22392.D **Instrument:** GCMS 9

Cont Calibration Date/Time 12/27/2009 10:53:00 **Method:** EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Diphenylhydrazine	1	0		8.72	49.05	50			0.988	0.970	1.90	
4-Bromophenyl-phenylether	1	0		9.05	52.03	50			0.193	0.201	4.06	
Hexachlorobenzene	1	0		9.12	51.45	50			0.189	0.194	2.90	
N-Octadecane	1	0		9.39	52.69	50			0.685	0.721	5.38	
Pentachlorophenol	1	0	CC	9.32	50.39	50	20		0.101	0.098	0.78	
Phenanthrene	1	0		9.55	48.73	50			1.221	1.190	2.54	
Anthracene	1	0		9.61	47.81	50			1.271	1.215	4.38	
Carbazole	1	0		9.78	48.89	50			1.238	1.211	2.22	
Di-n-butylphthalate	1	0		10.16	49.91	50			1.624	1.621	0.18	
Fluoranthene	1	0	CC	10.88	49.83	50	20		1.273	1.269	0.34	
Chrysene-d12	1	0	I	12.58	40.00	40				0.000	0.00	
Pyrene	1	0		11.14	48.11	50			1.697	1.633	3.78	
Benzidine	1	0		11.04	41.62	50			0.521	0.512	16.76	
Terphenyl-d14	1	0	S	11.33	24.85	25			1.069	1.063	0.60	
p,p'-DDE	1	0		11.26	51.02				0.318			
Endrin	1	0		11.59	48.24	50			0.121	0.117	3.52	
p,p'-DDD	1	0		11.66	50.04				0.576			
Butylbenzylphthalate	1	0		11.92	48.09	50			0.929	0.893	3.82	
Endrin aldehyde	1	0		11.59	49.02				0.042			
p,p'-DDT	1	0		12.02	49.99				0.504			
Endrin ketone	1	0		12.50	55.35				0.059			
3,3'-Dichlorobenzidine	1	0		12.54	51.61	50			0.410	0.443	3.22	
Benzo[a]anthracene	1	0		12.57	49.48	50			1.448	1.433	1.04	
Chrysene	1	0		12.61	49.42	50			1.360	1.345	1.16	
bis(2-Ethylhexyl)phthalate	1	0		12.62	48.33	50			1.319	1.275	3.34	
Perylene-d12	1	0	I	14.19	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.37	48.49	50	20		2.199	2.133	3.02	
Benzo[b]fluoranthene	1	0		13.79	51.54	50			1.329	1.370	3.08	
Benzo[k]fluoranthene	1	0		13.82	47.87	50			1.240	1.187	4.26	
Benzo[a]pyrene	1	0	CC	14.13	49.67	50	20		1.235	1.227	0.66	
Indeno[1,2,3-cd]pyrene	1	0		15.45	50.56	50			1.247	1.261	1.12	
Dibenzo[a,h]anthracene	1	0		15.47	50.81	50			1.021	1.038	1.62	
Benzo[g,h,i]perylene	1	0		15.81	50.82	50			1.032	1.049	1.64	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.289	0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.739	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22392.D Sam Mult : 1 Vial# : 2 Qt On : 12/27/09 11:13
Acq On : 12/27/09 10:53 Misc : A,BNA Qt Upd On: 12/17/09 14:19

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.651	152	35296	40.00	ng	-0.03
23) Naphthalene-d8	6.667	136	143689	40.00	ng	-0.03
41) Acenaphthene-d10	8.074	164	82026	40.00	ng	-0.03
67) Phenanthrene-d10	9.529	188	139786	40.00	ng	-0.03
81) Chrysene-d12	12.583	240	117904	40.00	ng	-0.03
96) Perylene-d12	14.188	264	123983	40.00	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	4.448	112	56282	51.64	ng	-0.02
Spiked Amount 100.000			Recovery = 51.64%			
9) Phenol-d5	5.352	99	80761	52.43	ng	-0.02
Spiked Amount 100.000			Recovery = 52.43%			
24) Nitrobenzene-d5	6.106	128	15385	24.54	ng	-0.03
Spiked Amount 50.000			Recovery = 49.08%			
46) 2-Fluorobiphenyl	7.491	172	68229	24.03	ng	-0.03
Spiked Amount 50.000			Recovery = 48.06%			
70) 2,4,6-Tribromophenol	8.812	330	14703	54.65	ng	-0.03
Spiked Amount 100.000			Recovery = 54.65%			
84) Terphenyl-d14	11.332	244	78310	24.85	ng	-0.03
Spiked Amount 50.000			Recovery = 49.70%			
Target Compounds						Qvalue
2) Pyridine	2.774	79	61028	51.51	ng	85
3) N-Nitrosodimethylamine	2.704	74	35591	47.03	ng	95
5) Benzaldehyde	5.277	77	44844	44.25	ng	82
6) Aniline	5.373	93	98660	54.21	ng	50
7) Pentachloroethane	5.411	117	27947	49.80	ng	83
8) bis(2-Chloroethyl)ether	5.432	93	59852	50.08	ng	86
10) Phenol	5.362	94	86961	51.16	ng	97
11) 2-Chlorophenol	5.475	128	65436	51.78	ng	87
12) N-Decane	5.518	57	80857	53.16	ng	89
13) 1,3-Dichlorobenzene	5.603	146	66125	49.81	ng	97
14) 1,4-Dichlorobenzene	5.667	146	69603	49.64	ng	97
15) 1,2-Dichlorobenzene	5.790	146	64334	49.84	ng	98
16) Benzyl alcohol	5.774	108	40924	50.13	ng	91
17) bis(2-chloroisopropyl)...	5.881	45	100705	52.50	ng	84
18) 2-Methylphenol	5.871	108	62655	55.11	ng	95
19) Acetophenone	5.988	105	107822	51.87	ng	76
20) Hexachloroethane	6.068	117	27814	50.28	ng	87
21) N-Nitroso-di-n-propyla...	5.988	70	53720	52.23	ng	89
22) 3&4-Methylphenol	5.994	108	63917	52.58	ng	94
25) Nitrobenzene	6.122	77	72118	50.78	ng	87
26) Isophorone	6.309	82	137180	50.42	ng	90
27) 2-Nitrophenol	6.373	139	35344	51.97	ng	93
28) 2,4-Dimethylphenol	6.405	107	70610	51.72	ng	98
29) Benzoic Acid	6.486	105	35183m	43.78	ng	
30) bis(2-Chloroethoxy)met...	6.475	93	78753	50.58	ng	97
31) 2,4-Dichlorophenol	6.561	162	52772	50.86	ng	89
32) 1,2,4-Trichlorobenzene	6.619	180	57338	49.34	ng	99
33) Naphthalene	6.684	128	190251	49.20	ng	98
34) 4-Chloroaniline	6.721	127	78605	57.17	ng	99
35) Hexachlorobutadiene	6.769	225	27508	48.74	ng	99
36) Caprolactam	6.999	113	26108	55.20	ng	71
37) 4-Chloro-3-methylphenol	7.085	107	60528	51.97	ng	86
38) 2-Methylnaphthalene	7.208	142	132006	49.72	ng	99
39) Methylnaphthalenes (To...	7.208	142	132006	49.72	ng	99
40) 1,1'-Biphenyl	7.577	154	190205	50.26	ng	95
42) 1,2,4,5-Tetrachloroben...	7.341	216	65030	50.69	ng	99
43) Hexachlorocyclopentadiene	7.331	237	11001	24.92	ng	92
44) 2,4,6-Trichlorophenol	7.432	196	34389	49.71	ng	95
45) 2,4,5-Trichlorophenol	7.464	196	38880	51.54	ng	97
47) 2-Chloronaphthalene	7.598	162	121714	49.59	ng	96
48) 1,4-Dimethylnaphthalene	7.876	156	126217	47.75	ng	95
49) Dimethylnaphthalenes (...	7.876	156	126217	47.75	ng	95
50) Diphenyl Ether	7.662	170	99169	49.74	ng	81
51) 2-Nitroaniline	7.678	65	57446	53.27	ng	80
52) Acenaphthylene	7.951	152	205445	49.42	ng	99
53) Dimethylphthalate	7.823	163	145551	50.81	ng	99
54) 2,6-Dinitrotoluene	7.882	165	32577	51.01	ng	71
55) Acenaphthene	8.106	153	129842	49.51	ng	96
56) 3-Nitroaniline	8.031	138	36122	54.20	ng	72
57) 2,4-Dinitrophenol	8.128	184	15925	55.67	ng	90
58) Dibenzofuran	8.256	168	171180	49.13	ng	93
59) 2,4-Dinitrotoluene	8.240	165	45443	52.03	ng	72

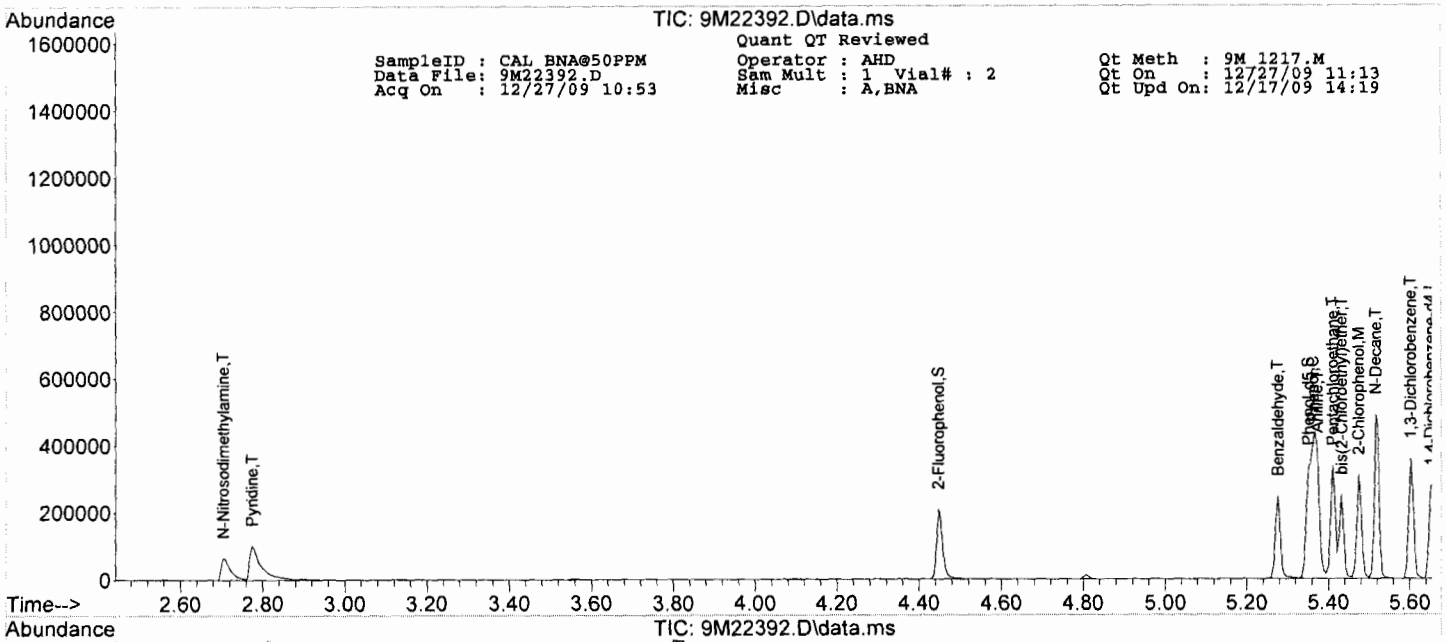
Quantitation Report (QT Reviewed)

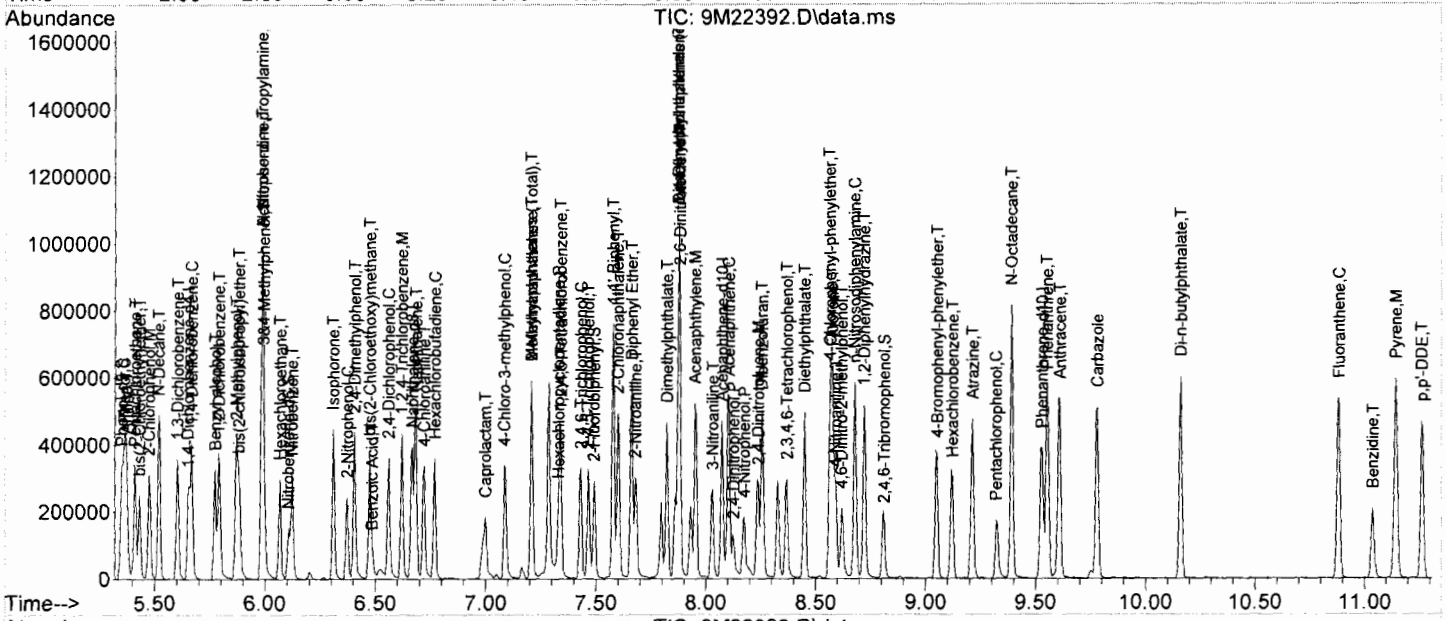
SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22392.D Sam Mult : 1 Vial# : 2 Qt On : 12/27/09 11:13
Acq On : 12/27/09 10:53 Misc : A,BNA Qt Upd On: 12/17/09 14:19

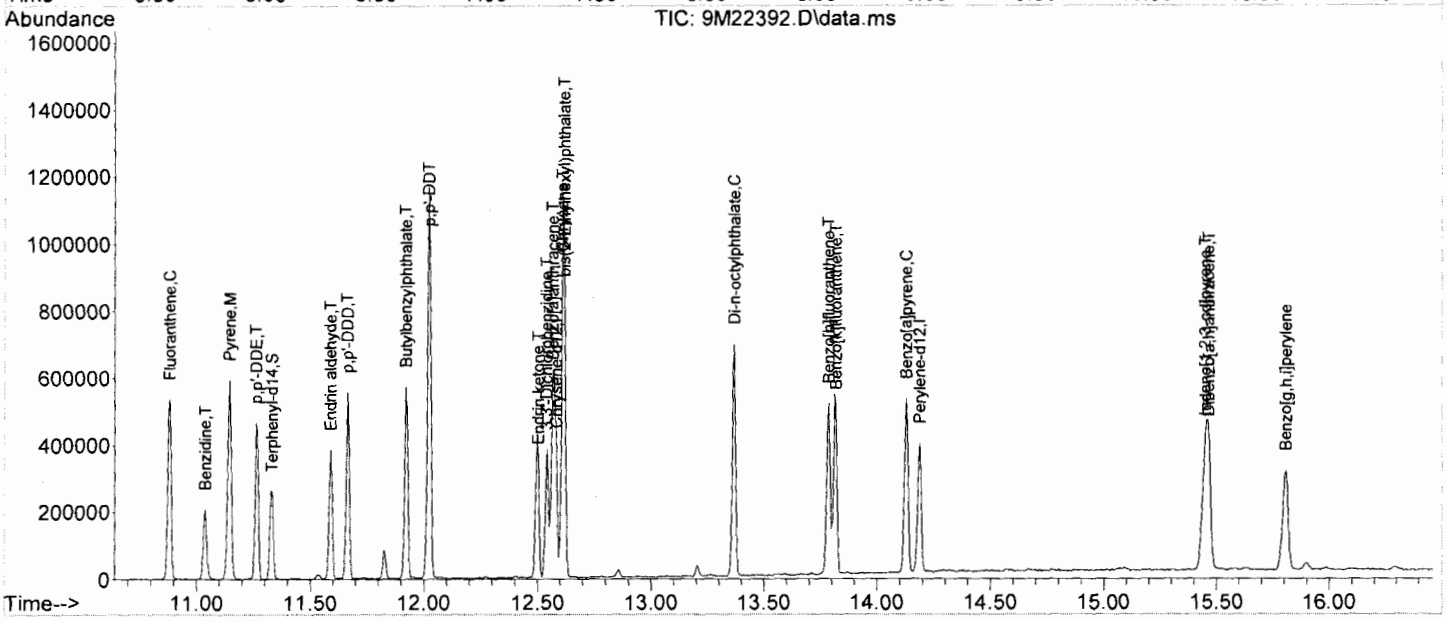
Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	8.176	65	28016	49.60	ng	80
61)	2,3,4,6-Tetrachlorophenol	8.368	232	30416	53.67	ng	90
62)	Fluorene	8.577	166	143374	49.43	ng	98
63)	4-Chlorophenyl-phenyle...	8.566	204	63763	50.28	ng	94
64)	Diethylphthalate	8.449	149	154813	49.51	ng	100
65)	4-Nitroaniline	8.593	138	39679	51.10	ng	89
66)	Atrazine	9.213	200	47027	52.01	ng	98
68)	4,6-Dinitro-2-methylph...	8.620	198	24955	57.12	ng	50
69)	n-Nitrosodiphenylamine	8.679	169	125049	48.35	ng	98
71)	1,2-Diphenylhydrazine	8.721	77	169446	49.05	ng	91
72)	4-Bromophenyl-phenylether	9.053	248	35143	52.03	ng	95
73)	Hexachlorobenzene	9.123	284	33911	51.45	ng	77
74)	N-Octadecane	9.390	57	126046	52.69	ng	83
75)	Pentachlorophenol	9.320	266	17123	50.39	ng	98
76)	Phenanthrene	9.550	178	207904	48.73	ng	98
77)	Anthracene	9.609	178	212322	47.81	ng	99
78)	Carbazole	9.780	167	211541	48.89	ng	97
79)	Di-n-butylphthalate	10.160	149	283257	49.91	ng	98
80)	Fluoranthene	10.882	202	221748	49.83	ng	92
82)	Pyrene	11.144	202	240700	48.11	ng	94
83)	Benzidine	11.037	184	75456	41.62	ng	89
85)	p,p'-DDE	11.262	246	47892	51.02	ng	94
86)	Endrin	11.588	81	17174	48.24	ng	88
87)	p,p'-DDD	11.663	235	84918	50.04	ng	86
88)	Butylbenzylphthalate	11.920	149	131645	48.09	ng	80
89)	Endrin aldehyde	11.588	67	6070	49.02	ng	62
90)	p,p'-DDT	12.021	235	74271	49.99	ng	90
91)	Endrin ketone	12.503	317	9571	55.35	ng	98
92)	3,3'-Dichlorobenzidine	12.540	252	65323	51.61	ng	97
93)	Benzo[a]anthracene	12.567	228	211206	49.48	ng	98
94)	Chrysene	12.610	228	198188	49.42	ng	98
95)	bis(2-Ethylhexyl)phtha...	12.621	149	187974	48.33	ng	96
97)	Di-n-octylphthalate	13.369	149	330525	48.49	ng	100
98)	Benzo[b]fluoranthene	13.787	252	212330	51.54	ng	96
99)	Benzo[k]fluoranthene	13.819	252	183930	47.87	ng	94
100)	Benzo[a]pyrene	14.129	252	190102	49.67	ng	96
101)	Indeno[1,2,3-cd]pyrene	15.450	276	195463	50.56	ng	97
102)	Dibenzo[a,h]anthracene	15.466	278	160824	50.81	ng	95
103)	Benzo[g,h,i]perylene	15.808	276	162597	50.82	ng	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M22392.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M22392.D
Acq On : 12/27/09 10:53
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/27/09 11:13
Qt Upd On: 12/17/09 14:19
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->


Abundance
TIC: 9M22392.D\data.ms
Isophorone,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Dimethylphthalate,T
Acenaphthylene,M
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Time-->


Abundance
TIC: 9M22392.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

GC/MS Semi-Volatile Data
Raw QC Data

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M54326.D
Analysis Date: 12/15/09 09:05
Method: EPA 8270C

Tune Scan/Time Range: Scan 1366

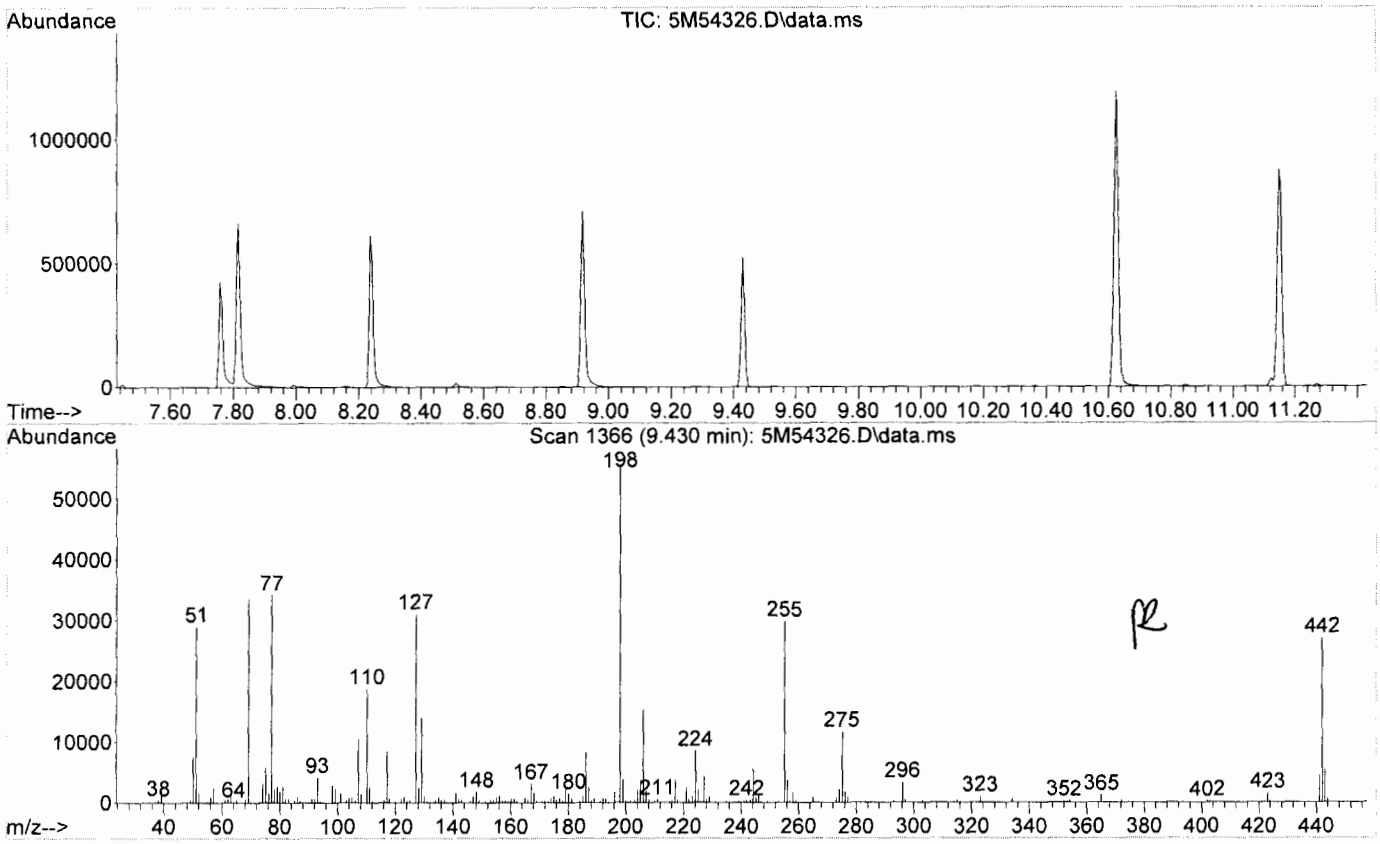
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	52.1	28952	PASS
68	69	0.00	2	1.8	610	PASS
69	198	0.00	100	60.3	33512	PASS
70	69	0.00	2	0.6	213	PASS
127	198	40	60	55.9	31048	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	55560	PASS
199	198	5	9	6.9	3824	PASS
275	198	10	30	20.9	11619	PASS
365	198	1	100	2.2	1235	PASS
441	443	0.01	100	85.1	4499	PASS
442	198	40	100	48.7	27048	PASS
443	442	17	23	19.6	5288	PASS

Data File	Sample Number	Analysis Date:
5M54327.D	CAL BNA@50PPM	12/15/09 09:37
5M54328.D	CAL BNA@196PP	12/15/09 10:02
5M54329.D	CAL BNA@160PP	12/15/09 10:24
5M54330.D	CAL BNA@120PP	12/15/09 10:46
5M54331.D	CAL BNA@80PPM	12/15/09 11:09
5M54332.D	CAL BNA@20PPM	12/15/09 11:31
5M54333.D	CAL BNA@10PPM	12/15/09 11:53
5M54334.D	CAL BNA@2PPM	12/15/09 12:15
5M54335.D	CAL BNA@10PPM	12/15/09 13:07
5M54336.D	CAL BNA@2PPM	12/15/09 13:41
5M54337.D	CAL BNA@50PPM	12/15/09 14:06
5M54338.D	ICV BNA@50PPM	12/15/09 14:28
5M54339.D	AC48776-001	12/15/09 15:40

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-15-09\
Data File : 5M54326.D
Acq On : 15 Dec 2009 9:05
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2009\GCMS_5\METHODQT\5M_1116.M
Title : @GCMS_5,mg,625,8270
Last Update : Mon Nov 16 11:44:09 2009



Spectrum Information: Scan 1366

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.1	28952	PASS
68	69	0.00	2	1.8	610	PASS
69	198	0.00	100	60.3	33512	PASS
70	69	0.00	2	0.6	213	PASS
127	198	40	60	55.9	31048	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	55560	PASS
199	198	5	9	6.9	3824	PASS
275	198	10	30	20.9	11619	PASS
365	198	1	100	2.2	1235	PASS
441	443	0.01	100	85.1	4499	PASS
442	198	40	100	48.7	27048	PASS
443	442	17	23	19.6	5288	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M22188.D
Analysis Date: 12/17/09 09:03
Method: EPA 8270C

Tune Scan/Time Range: Scan 1387

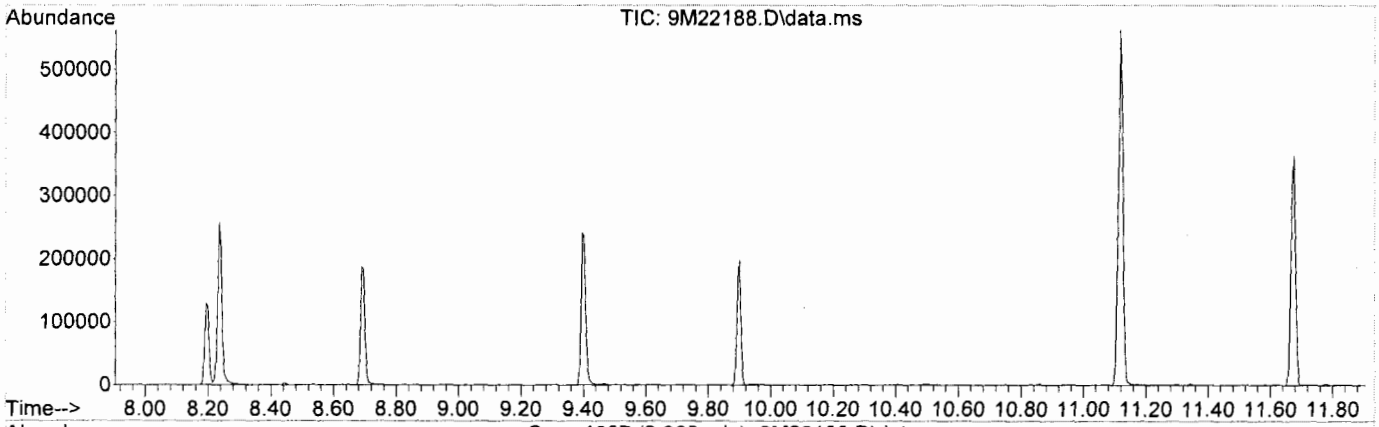
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.2	4103	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.3	4418	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	48.1	4904	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	10205	PASS
199	198	5	9	6.8	689	PASS
275	198	10	30	22.4	2289	PASS
365	198	1	100	3.9	394	PASS
441	443	0.01	100	71.4	1317	PASS
442	198	40	100	81.2	8282	PASS
443	442	17	23	22.3	1844	PASS

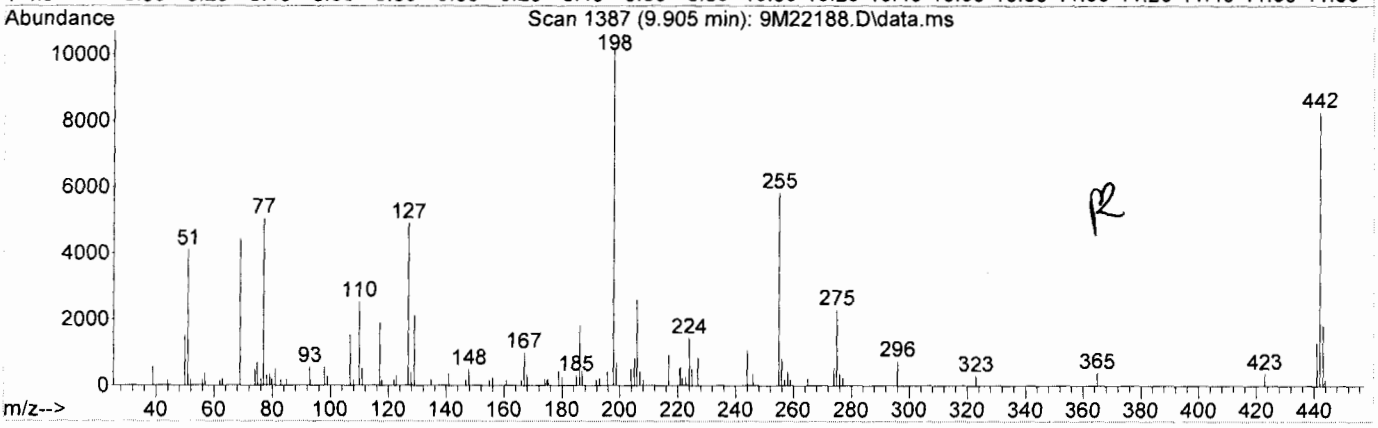
Data File	Sample Number	Analysis Date:
9M22189.D	CAL BNA@50PPM	12/17/09 10:22
9M22190.D	CAL BNA@196PP	12/17/09 10:45
9M22191.D	CAL BNA@160PP	12/17/09 11:08
9M22192.D	CAL BNA@120PP	12/17/09 11:31
9M22193.D	CAL BNA@80PPM	12/17/09 11:53
9M22194.D	CAL BNA@20PPM	12/17/09 12:16
9M22195.D	CAL BNA@10PPM	12/17/09 12:39
9M22196.D	CAL BNA@2PPM	12/17/09 13:02
9M22197.D	CAL BNA@10PPM	12/17/09 13:27
9M22198.D	ICV BNA@50PPM	12/17/09 13:50
9M22199.D	SMB4360	12/17/09 14:25
9M22200.D	WMB4352(MS)	12/17/09 14:47
9M22201.D	WMB4352	12/17/09 15:10
9M22202.D	AC48852-001(T)	12/17/09 15:33
9M22203.D	SMB4360(MS)	12/17/09 15:56
9M22204.D	AC48721-002	12/17/09 16:19
9M22205.D	AC48721-002(MS)	12/17/09 16:42
9M22206.D	AC48721-002(MSD	12/17/09 17:05
9M22207.D	AC48736-001	12/17/09 17:28
9M22208.D	AC48729-004	12/17/09 17:50
9M22209.D	AC48729-010	12/17/09 18:13
9M22210.D	AC48729-011	12/17/09 18:36
9M22211.D	AC48729-012	12/17/09 18:59
9M22212.D	AC48729-013	12/17/09 19:22
9M22213.D	AC48729-014	12/17/09 19:45
9M22214.D	AC48729-015	12/17/09 20:08
9M22215.D	AC48729-016	12/17/09 20:31
9M22216.D	AC48729-008	12/17/09 20:54

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Data File : 9M22188.D
Acq On : 17 Dec 2009 9:03
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1214.M
Title : @GCMS_9,mg,625,8270
Last Update : Mon Dec 14 15:36:18 2009





Spectrum Information: Scan 1387

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.2	4103	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.3	4418	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	48.1	4904	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	10205	PASS
199	198	5	9	6.8	689	PASS
275	198	10	30	22.4	2289	PASS
365	198	1	100	3.9	394	PASS
441	443	0.01	100	71.4	1317	PASS
442	198	40	100	81.2	8282	PASS
443	442	17	23	22.3	1844	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 5
Data File: 5M54615.D
Analysis Date: 12/27/09 10:24
Method: EPA 8270C

Tune Scan/Time Range: Scan 1378

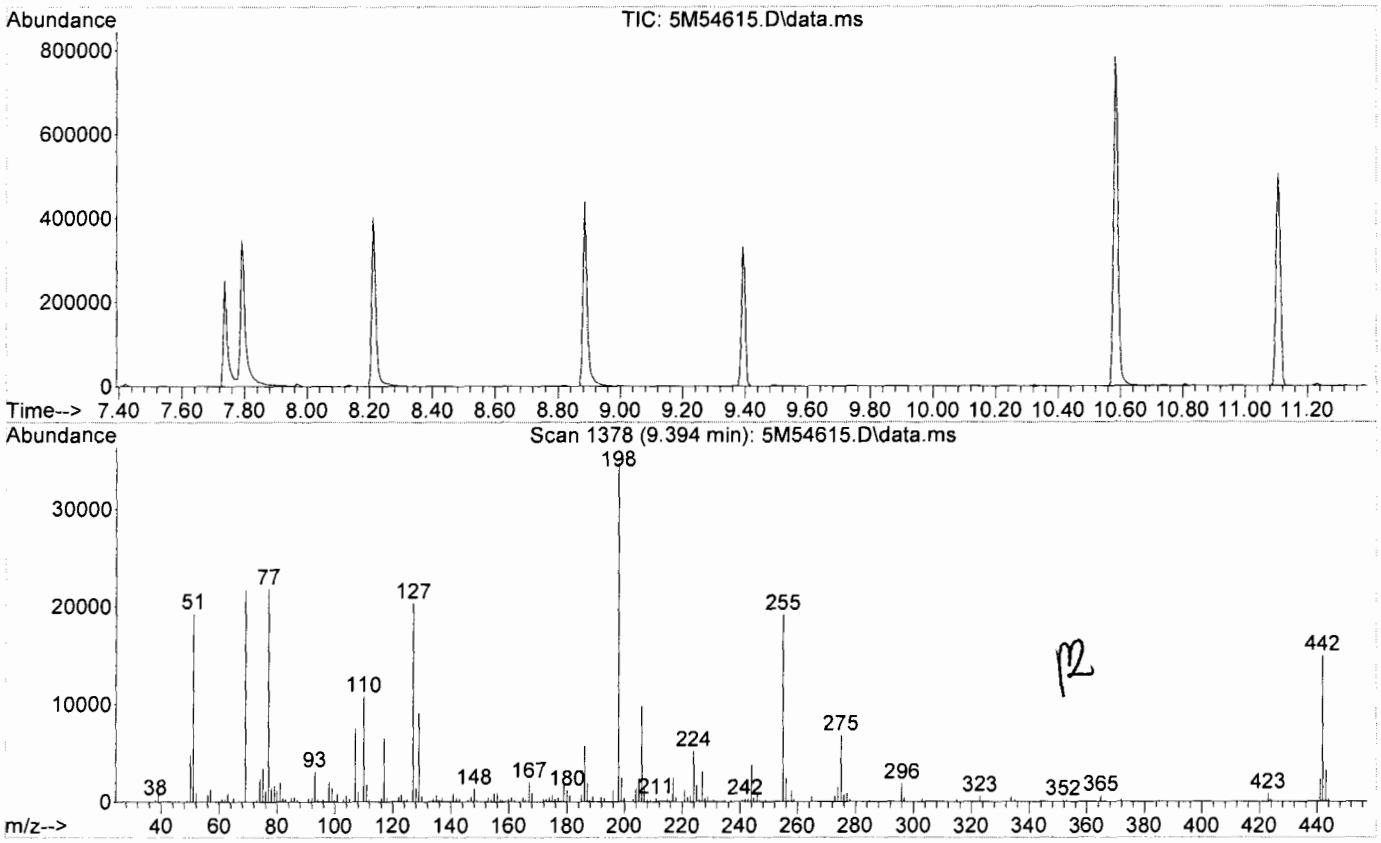
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	55.7	19280	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	62.6	21672	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	58.8	20344	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	34616	PASS
199	198	5	9	7.0	2416	PASS
275	198	10	30	19.7	6811	PASS
365	198	1	100	1.8	609	PASS
441	443	0.01	100	71.7	2308	PASS
442	198	40	100	43.2	14953	PASS
443	442	17	23	21.5	3221	PASS

Data File	Sample Number	Analysis Date:
5M54616.D	CAL BNA@50PPM	12/27/09 10:46
5M54617.D	SMB4370	12/27/09 11:08
5M54618.D	SMB4370(MS)	12/27/09 11:30
5M54619.D	AC49014-004	12/27/09 11:52
5M54620.D	AC49014-004(MS)	12/27/09 12:15
5M54621.D	AC49014-004(MSD	12/27/09 12:37
5M54622.D	AC49043-001	12/27/09 12:58
5M54623.D	AC49043-002	12/27/09 13:20
5M54624.D	AC49007-004	12/27/09 13:43
5M54625.D	AC48693-010(T)	12/27/09 14:05
5M54626.D	AC48693-011(T)	12/27/09 14:27
5M54627.D	AC48693-012(T)	12/27/09 14:49
5M54628.D	AC48693-013(T)	12/27/09 15:11
5M54629.D	AC48693-014(T)	12/27/09 15:33
5M54630.D	AC48693-015(T)	12/27/09 15:55
5M54631.D	AC48693-016(T)	12/27/09 16:17
5M54632.D	AC48693-019(T)	12/27/09 16:39
5M54633.D	AC48693-021(T)	12/27/09 17:01
5M54634.D	AC48991-039	12/27/09 17:23
5M54635.D	AC48914-006	12/27/09 17:46
5M54636.D	AC48997-001	12/27/09 18:08
5M54637.D	AC48997-002	12/27/09 18:30
5M54638.D	AC48997-003	12/27/09 18:52
5M54639.D	AC49014-003	12/27/09 19:14
5M54640.D	AC49014-005	12/27/09 19:36
5M54641.D	AC49045-001	12/27/09 19:58
5M54642.D	AC49045-002	12/27/09 20:20
5M54643.D	AC49045-003	12/27/09 20:42
5M54644.D	AC49045-004	12/27/09 21:04
5M54645.D	AC49045-005	12/27/09 21:26
5M54646.D	AC48999-001	12/27/09 21:48
5M54647.D	AC48999-002	12/27/09 22:10
5M54648.D	AC49001-001	12/27/09 22:32
5M54649.D	AC49001-002	12/27/09 22:54
5M54650.D	AC49027-001	12/27/09 23:16
5M54651.D	AC49027-002	12/27/09 23:38
5M54652.D	AC49028-001	12/28/09 00:00
5M54653.D	AC49028-002	12/28/09 00:22
5M54654.D	SMB (Na2SO4)	12/28/09 00:44
5M54655.D	SMB (NO Na2SO4)	12/28/09 01:06

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-27-09\
Data File : 5M54615.D
Acq On : 27 Dec 2009 10:24
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : G:\GCMSDATA\2009\GCMS_5\METHODQT\5M_1215.M
Title : @GCMS_5,mg,625,8270
Last Update : Tue Dec 15 15:00:34 2009



Spectrum Information: Scan 1378

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	55.7	19280	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	62.6	21672	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	58.8	20344	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	34616	PASS
199	198	5	9	7.0	2416	PASS
275	198	10	30	19.7	6811	PASS
365	198	1	100	1.8	609	PASS
441	443	0.01	100	71.7	2308	PASS
442	198	40	100	43.2	14953	PASS
443	442	17	23	21.5	3221	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 9M22391.D
Instrument: GCMS 9 **Analysis Date:** 12/27/09 10:27
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.818 to 9.829 min

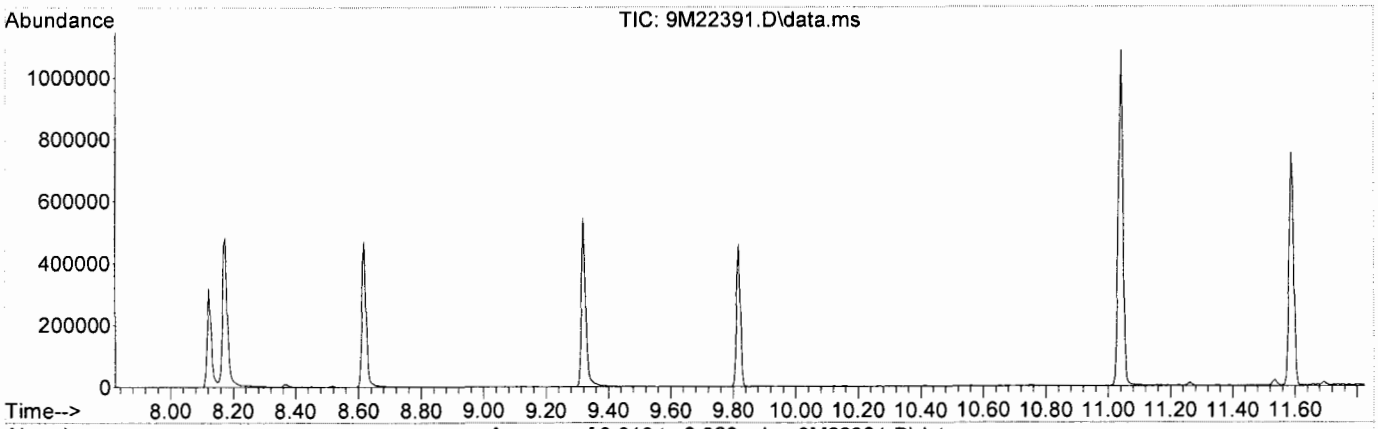
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	51.9	14047	PASS
68	69	0.00	2	1.1	141	PASS
69	198	0.00	100	48.8	13192	PASS
70	69	0.00	2	0.6	78	PASS
127	198	40	60	52.3	14143	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	27053	PASS
199	198	5	9	6.3	1694	PASS
275	198	10	30	22.5	6098	PASS
365	198	1	100	2.9	783	PASS
441	443	0.01	100	80.7	2836	PASS
442	198	40	100	72.7	19669	PASS
443	442	17	23	17.9	3514	PASS

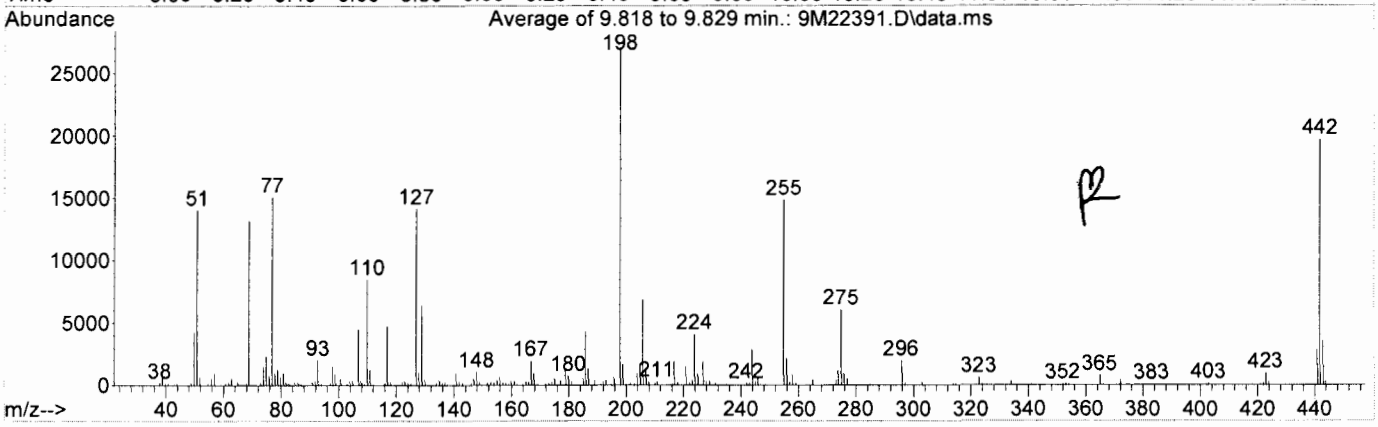
Data File	Sample Number	Analysis Date:
9M22392.D	CAL BNA@50PPM	12/27/09 10:53
9M22393.D	SMB4370	12/27/09 11:17
9M22394.D	AC48938-012	12/27/09 11:40
9M22395.D	AC49014-002	12/27/09 12:02
9M22396.D	AC48997-005	12/27/09 12:25
9M22397.D	AC48997-007	12/27/09 12:48
9M22398.D	AC48957-001	12/27/09 13:11
9M22399.D	AC48974-002	12/27/09 13:34
9M22400.D	AC48878-002	12/27/09 13:57
9M22401.D	AC48869-001	12/27/09 14:20
9M22402.D	AC48981-001	12/27/09 14:43
9M22403.D	AC48981-002	12/27/09 15:06
9M22404.D	AC48951-001	12/27/09 15:29
9M22405.D	AC49029-001	12/27/09 15:52
9M22406.D	AC49014-007	12/27/09 16:15
9M22407.D	AC49056-002	12/27/09 16:38
9M22408.D	AC48923-015	12/27/09 17:01
9M22409.D	AC48891-001	12/27/09 17:24
9M22410.D	AC48938-012(10X)	12/27/09 17:47
9M22411.D	AC48938-013(10X)	12/27/09 18:10
9M22412.D	AC48855-001(3X)	12/27/09 18:33
9M22413.D	AC48974-001(3X)	12/27/09 18:56
9M22414.D	AC48983-004(2X)	12/27/09 19:19
9M22415.D	AC49008-002(5X)	12/27/09 19:42
9M22416.D	AC49014-001(5X)	12/27/09 20:05
9M22417.D	AC49014-006(5X)	12/27/09 20:28
9M22418.D	AC48974-003(5X)	12/27/09 20:51
9M22419.D	AC48997-006(20X)	12/27/09 21:13
9M22420.D	AC48878-002(3X)	12/27/09 21:36
9M22421.D	TEST	12/27/09 21:59
9M22422.D	TEST	12/27/09 22:22
9M22423.D	TEST	12/27/09 22:45
9M22424.D	TEST	12/27/09 23:08
9M22425.D	TEST	12/27/09 23:31
9M22426.D	TEST	12/27/09 23:54
9M22427.D	TEST	12/28/09 00:17
9M22428.D	TEST	12/28/09 00:40

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22391.D
Acq On : 27 Dec 2009 10:27
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270
Last Update : Thu Dec 17 13:45:45 2009





Spectrum Information: Average of 9.818 to 9.829 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	51.9	14047	PASS
68	69	0.00	2	1.1	141	PASS
69	198	0.00	100	48.8	13192	PASS
70	69	0.00	2	0.6	78	PASS
127	198	40	60	52.3	14143	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	27053	PASS
199	198	5	9	6.3	1694	PASS
275	198	10	30	22.5	6098	PASS
365	198	1	100	2.9	783	PASS
441	443	0.01	100	80.7	2836	PASS
442	198	40	100	72.7	19669	PASS
443	442	17	23	17.9	3514	PASS

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB4370
Client Id:
Data File: 9M22393.D
Analysis Date: 12/27/09 11:17
Date Rec/Extracted: NA-12/23/09
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.067	U	191-24-2	Benzo[g,h,i]perylene	0.067	U
122-66-7	1,2-Diphenylhydrazine	0.067	U	207-08-9	Benzo[k]fluoranthene	0.067	U
95-95-4	2,4,5-Trichlorophenol	0.067	U	65-85-0	Benzoic Acid	0.067	U
88-06-2	2,4,6-Trichlorophenol	0.067	U	111-91-1	bis(2-Chloroethoxy)methan	0.067	U
120-83-2	2,4-Dichlorophenol	0.067	U	111-44-4	bis(2-Chloroethyl)ether	0.067	U
105-67-9	2,4-Dimethylphenol	0.067	U	108-60-1	bis(2-chloroisopropyl)ether	0.067	U
51-28-5	2,4-Dinitrophenol	0.33	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.067	U
121-14-2	2,4-Dinitrotoluene	0.067	U	85-68-7	Butylbenzylphthalate	0.067	U
606-20-2	2,6-Dinitrotoluene	0.067	U	86-74-8	Carbazole	0.067	U
91-58-7	2-Chloronaphthalene	0.067	U	218-01-9	Chrysene	0.067	U
95-57-8	2-Chlorophenol	0.067	U	53-70-3	Dibenzo[a,h]anthracene	0.067	U
91-57-6	2-Methylnaphthalene	0.067	U	132-64-9	Dibenzofuran	0.067	U
95-48-7	2-Methylphenol	0.067	U	84-66-2	Diethylphthalate	0.067	U
88-74-4	2-Nitroaniline	0.067	U	131-11-3	Dimethylphthalate	0.067	U
88-75-5	2-Nitrophenol	0.067	U	84-74-2	Di-n-butylphthalate	0.067	U
106-44-5	3&4-Methylphenol	0.067	U	117-84-0	Di-n-octylphthalate	0.067	U
91-94-1	3,3'-Dichlorobenzidine	0.067	U	206-44-0	Fluoranthene	0.067	U
99-09-2	3-Nitroaniline	0.067	U	86-73-7	Fluorene	0.067	U
534-52-1	4,6-Dinitro-2-methylphenol	0.33	U	118-74-1	Hexachlorobenzene	0.067	U
101-55-3	4-Bromophenyl-phenylether	0.067	U	87-68-3	Hexachlorobutadiene	0.067	U
59-50-7	4-Chloro-3-methylphenol	0.067	U	77-47-4	Hexachlorocyclopentadiene	0.067	U
106-47-8	4-Chloroaniline	0.067	U	67-72-1	Hexachloroethane	0.067	U
7005-72-3	4-Chlorophenyl-phenylether	0.067	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.067	U
100-01-6	4-Nitroaniline	0.067	U	78-59-1	Isophorone	0.067	U
100-02-7	4-Nitrophenol	0.067	U	91-20-3	Naphthalene	0.067	U
83-32-9	Acenaphthene	0.067	U	98-95-3	Nitrobenzene	0.067	U
208-96-8	Acenaphthylene	0.067	U	62-75-9	N-Nitrosodimethylamine	0.067	U
62-53-3	Aniline	0.067	U	621-64-7	N-Nitroso-di-n-propylamine	0.067	U
120-12-7	Anthracene	0.067	U	86-30-6	n-Nitrosodiphenylamine	0.067	U
92-87-5	Benzidine	0.33	U	87-86-5	Pentachlorophenol	0.33	U
56-55-3	Benzo[a]anthracene	0.067	U	85-01-8	Phenanthrene	0.067	U
50-32-8	Benzo[a]pyrene	0.067	U	108-95-2	Phenol	0.067	U
205-99-2	Benzo[b]fluoranthene	0.067	U	129-00-0	Pyrene	0.067	U

Worksheet #: 139150

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: SMB4370
Client Id:
Data File: 9M22393.D
Analysis Date: 12/27/09 11:17
Date Rec/Extracted: NA-12/23/09

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 100
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	3.85	0.14 J
2	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.20	120 JA
3		unknown	4.86	0.29 J
4	5131-66-8	2-Propanol, 1-butoxy-	5.06	0.17 J
5	95-63-6	Benzene, 1,2,4-trimethyl-	5.51	0.28 J
6		unknown	6.62	0.16 J
7	80141-10-2	1,2,3,5,6,7-Hexamethoxyfluoren-9-one	15.72	0.23 J

Worksheet #: 139150

Total Tentatively Identified Concentration 120

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

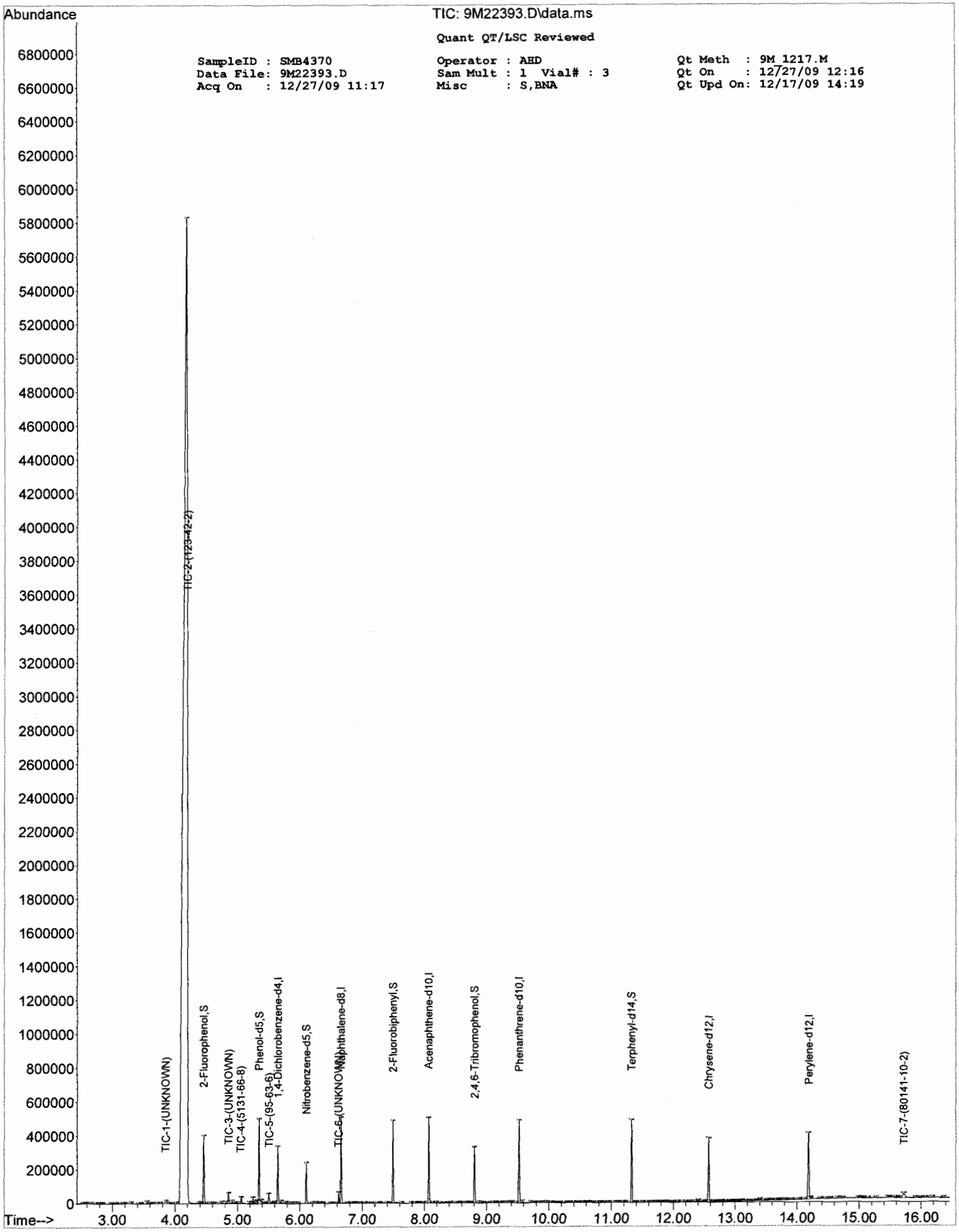
Quantitation Report (QT/LSC Reviewed)

SampleID : SMB4370 Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22393.D Sam Mult : 1 Vial# : 3 Qt On : 12/27/09 12:16
Acq On : 12/27/09 11:17 Misc : S,BNA Qt Upd On: 12/17/09 14:19

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	5.651	152	40921	40.00 ng	-0.03
23) Naphthalene-d8	6.662	136	167669	40.00 ng	-0.03
41) Acenaphthene-d10	8.069	164	95233	40.00 ng	-0.04
67) Phenanthrene-d10	9.524	188	159493	40.00 ng	-0.03
81) Chrysene-d12	12.572	240	131368	40.00 ng	-0.04
96) Perylene-d12	14.188	264	137682	40.00 ng	-0.03
System Monitoring Compounds					
4) 2-Fluorophenol	4.459	112	94550	74.83 ng	-0.01
Spiked Amount 100.000			Recovery = 74.83%		
9) Phenol-d5	5.352	99	138968	77.82 ng	-0.02
Spiked Amount 100.000			Recovery = 77.82%		
24) Nitrobenzene-d5	6.106	128	25751	35.20 ng	-0.03
Spiked Amount 50.000			Recovery = 70.40%		
46) 2-Fluorobiphenyl	7.491	172	117543	35.66 ng	-0.03
Spiked Amount 50.000			Recovery = 71.32%		
70) 2,4,6-Tribromophenol	8.807	330	25447	82.90 ng	-0.03
Spiked Amount 100.000			Recovery = 82.90%		
84) Terphenyl-d14	11.326	244	137220	39.08 ng	-0.04
Spiked Amount 50.000			Recovery = 78.16%		
Target Compounds					Qvalue
Library Search Compounds					
1) UNKNOWN	3.850		29308	4.26 ng	--
2) 123-42-2	4.200		25193900	3658.72 ng	64
3) UNKNOWN	4.860		59999	8.71 ng	--
4) 5131-66-8	5.060		35207	5.11 ng	86
5) 95-63-6	5.510		58436	8.49 ng	97
6) UNKNOWN	6.620		45120	4.77 ng	--
7) 80141-10-2	15.720		81436	6.89 ng	59

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M22393.D\data.ms
Quant QT/LSC Reviewed
SampleID : SMB4370
Data File: 9M22393.D
Acq On : 12/27/09 11:17
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : S,BNA
Qt Meth : 9M_1217.M
Qt On : 12/27/09 12:16
Qt Upd On: 12/17/09 14:19
TIC-1-(UNKNOWN)
TIC-2-(123-42-2)
2-Fluorophenol,S
TIC-3-(UNKNOWN)
TIC-4-(5131-66-8)
Phenol-d5,S
TIC-5-(95-63-6)
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
TIC-6-(UNKNOWN)
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
TIC-7-(80141-10-2)
Time-->

LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270

Signal : TIC: 9M22393.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.538	15	19	25	rVB3	1024	1981	0.01%	0.006%
2	2.592	25	29	31	rBV2	1131	631	0.00%	0.002%
3	2.677	31	45	49	rBV5	1063	1220	0.00%	0.004%
4	2.742	55	57	61	rVB	1197	1222	0.00%	0.004%
5	2.779	61	64	69	rBV	1090	1530	0.01%	0.005%
6	2.827	69	73	75	rVV	881	849	0.00%	0.003%
7	2.849	75	77	89	rVB	712	1676	0.01%	0.005%
8	2.977	97	101	103	rBV2	397	552	0.00%	0.002%
9	3.052	113	115	121	rVB2	618	918	0.00%	0.003%
10	3.121	121	128	133	rBV3	1012	1850	0.01%	0.006%
11	3.180	137	139	141	rVB2	764	571	0.00%	0.002%
12	3.207	141	144	145	rBV2	676	574	0.00%	0.002%
13	3.298	155	161	169	rBV5	4044	7095	0.03%	0.023%
14	3.416	181	183	187	rVB5	325	504	0.00%	0.002%
15	3.458	187	191	197	rVB2	973	1351	0.01%	0.004%
16	3.549	205	208	217	rBV	10803	15240	0.06%	0.050%
17	3.603	217	218	223	rVB3	596	717	0.00%	0.002%
18	3.635	223	224	227	rVB	931	607	0.00%	0.002%
19	3.710	227	238	241	rBV3	1700	4102	0.02%	0.013%
20	3.763	241	248	257	rVB2	2044	3408	0.01%	0.011%
21	3.854	257	265	275	rBV3	13445	29308	0.12%	0.096%
22	3.913	275	276	279	rVB3	1105	780	0.00%	0.003%
23	3.945	279	282	289	rVB4	870	1363	0.01%	0.004%
24	4.020	289	296	303	rBV2	2678	3500	0.01%	0.011%
25	4.197	303	329	333	rBV	5826455	25193874	100.00%	82.206%
26	4.378	357	363	367	rVB4	2377	3149	0.01%	0.010%
27	4.426	367	372	373	rVV2	834	782	0.00%	0.003%
28	4.459	373	378	383	rVV	394775	358221	1.42%	1.169%
29	4.517	387	389	395	rVV3	1763	1833	0.01%	0.006%
30	4.576	395	400	405	rVB2	3161	4137	0.02%	0.013%
31	4.630	405	410	421	rVB4	1800	4035	0.02%	0.013%
32	4.715	421	426	431	rVB	1475	1922	0.01%	0.006%
33	4.758	431	434	441	rBV	8701	9978	0.04%	0.033%
34	4.817	441	445	449	rVB	7955	6592	0.03%	0.022%
35	4.860	449	453	461	rBV	58020	59999	0.24%	0.196%

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270

36	4.913	461	463	469	rVV	12425	11042	0.04%	0.036%
37	4.956	469	471	479	rVB2	1610	2548	0.01%	0.008%
38	5.015	479	482	487	rBV4	2862	3493	0.01%	0.011%
39	5.063	487	491	509	rVB	32782	35207	0.14%	0.115%
40	5.197	509	516	519	rBV	7985	8515	0.03%	0.028%
41	5.229	519	522	523	rVV	2098	1273	0.01%	0.004%
42	5.256	523	527	529	rVV	32417	24691	0.10%	0.081%
43	5.282	529	532	535	rVV	12980	10417	0.04%	0.034%
44	5.320	535	539	541	rVV	14122	11366	0.05%	0.037%
45	5.352	541	545	549	rVV	495199	410994	1.63%	1.341%
46	5.389	549	552	557	rVV2	17279	20519	0.08%	0.067%
47	5.437	557	561	563	rVV3	3505	4826	0.02%	0.016%
48	5.464	563	566	571	rVV4	2549	3878	0.02%	0.013%
49	5.507	571	574	581	rVV2	53056	58436	0.23%	0.191%
50	5.555	581	583	589	rVB2	1568	1844	0.01%	0.006%
51	5.598	589	591	597	rBV2	6058	7925	0.03%	0.026%
52	5.651	597	601	607	rVV	331461	276459	1.10%	0.902%
53	5.699	607	610	617	rVV3	10501	9740	0.04%	0.032%
54	5.774	621	624	627	rVV3	3303	3674	0.01%	0.012%
55	5.801	627	629	631	rVB	3427	2587	0.01%	0.008%
56	5.876	639	643	647	rBV	2578	1978	0.01%	0.006%
57	5.913	647	650	655	rVB3	3388	2916	0.01%	0.010%
58	5.972	659	661	665	rBV3	1316	1043	0.00%	0.003%
59	6.106	681	686	691	rBV	235037	188185	0.75%	0.614%
60	6.208	701	705	709	rVB2	922	973	0.00%	0.003%
61	6.266	711	716	719	rBV3	2834	2045	0.01%	0.007%
62	6.320	719	726	731	rVB	761	1494	0.01%	0.005%
63	6.363	731	734	737	rBV2	576	652	0.00%	0.002%
64	6.384	737	738	747	rBV3	915	1103	0.00%	0.004%
65	6.491	751	758	759	rVB2	530	930	0.00%	0.003%
66	6.523	761	764	771	rBV	1095	1518	0.01%	0.005%
67	6.598	771	778	779	rBV2	926	1050	0.00%	0.003%
68	6.625	779	783	787	rBV	61626	45120	0.18%	0.147%
69	6.662	787	790	795	rBV	501325	378413	1.50%	1.235%
70	6.759	803	808	811	rVB2	508	715	0.00%	0.002%
71	6.839	821	823	827	rBV2	586	509	0.00%	0.002%
72	6.892	827	833	835	rVV	678	1024	0.00%	0.003%
73	6.914	835	837	843	rVB	512	563	0.00%	0.002%
74	6.983	847	850	857	rBV	462	910	0.00%	0.003%
75	7.047	857	862	865	rVB	1978	2197	0.01%	0.007%

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270

76	7.101	865	872	875	rBV	870	1407	0.01%	0.005%
77	7.154	875	882	887	rVB	434	647	0.00%	0.002%
78	7.245	891	899	903	rBB2	632	1065	0.00%	0.003%
79	7.288	903	907	911	rBV2	607	760	0.00%	0.002%
80	7.390	921	926	929	rVB	1057	926	0.00%	0.003%
81	7.443	933	936	941	rBV	640	869	0.00%	0.003%
82	7.491	941	945	949	rBV	481110	371429	1.47%	1.212%
83	7.630	967	971	975	rVB2	902	960	0.00%	0.003%
84	7.785	993	1000	1003	rBV	1529	1450	0.01%	0.005%
85	7.855	1007	1013	1015	rBV2	792	1132	0.00%	0.004%
86	7.887	1015	1019	1025	rVB2	857	1012	0.00%	0.003%
87	7.930	1025	1027	1031	rBV	444	520	0.00%	0.002%
88	7.994	1037	1039	1043	rVB2	1699	1424	0.01%	0.005%
89	8.069	1049	1053	1059	rBV	499528	442766	1.76%	1.445%
90	8.133	1061	1065	1073	rVV3	1721	3481	0.01%	0.011%
91	8.192	1073	1076	1079	rVV2	1612	1319	0.01%	0.004%
92	8.261	1087	1089	1095	rVB2	1221	1878	0.01%	0.006%
93	8.320	1095	1100	1103	rBV2	725	1147	0.00%	0.004%
94	8.352	1103	1106	1113	rVV2	614	986	0.00%	0.003%
95	8.395	1113	1114	1117	rVV2	1096	777	0.00%	0.003%
96	8.427	1117	1120	1129	rVV3	2643	4461	0.02%	0.015%
97	8.513	1133	1136	1139	rVB3	556	693	0.00%	0.002%
98	8.561	1139	1145	1147	rBV3	1043	1109	0.00%	0.004%
99	8.582	1147	1149	1157	rVB3	530	805	0.00%	0.003%
100	8.668	1161	1165	1171	rBV4	1167	1855	0.01%	0.006%
101	8.716	1171	1174	1177	rVB2	558	829	0.00%	0.003%
102	8.748	1177	1180	1181	rBV	767	630	0.00%	0.002%
103	8.807	1185	1191	1197	rVV	324177	303807	1.21%	0.991%
104	8.877	1201	1204	1209	rVV	3385	3589	0.01%	0.012%
105	8.914	1209	1211	1219	rVB4	4352	6407	0.03%	0.021%
106	8.962	1219	1220	1225	rVB4	553	558	0.00%	0.002%
107	9.021	1225	1231	1235	rVB	848	1162	0.00%	0.004%
108	9.101	1235	1246	1251	rBV3	1425	3568	0.01%	0.012%
109	9.133	1251	1252	1255	rVV	2478	1693	0.01%	0.006%
110	9.160	1255	1257	1265	rVB3	2292	3148	0.01%	0.010%
111	9.219	1265	1268	1273	rBV2	982	1689	0.01%	0.006%
112	9.256	1273	1275	1277	rVB2	937	685	0.00%	0.002%
113	9.278	1277	1279	1283	rVB	838	547	0.00%	0.002%
114	9.321	1283	1287	1291	rVB2	1044	1344	0.01%	0.004%

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270

115	9.395	1291	1301	1303	rBV2	2890	4437	0.02%	0.014%
116	9.417	1303	1305	1313	rVB2	2527	3126	0.01%	0.010%
117	9.481	1313	1317	1319	rBV	985	1035	0.00%	0.003%
118	9.524	1319	1325	1331	rBV	483343	463125	1.84%	1.511%
119	9.577	1331	1335	1341	rVB2	8834	9736	0.04%	0.032%
120	9.711	1355	1360	1365	rBV2	4015	3772	0.01%	0.012%
121	9.748	1365	1367	1371	rVB	802	628	0.00%	0.002%
122	9.780	1371	1373	1379	rBV	917	909	0.00%	0.003%
123	9.855	1379	1387	1391	rBV2	1620	1996	0.01%	0.007%
124	9.898	1391	1395	1403	rVB	1173	2141	0.01%	0.007%
125	9.962	1403	1407	1417	rVB2	3715	4761	0.02%	0.016%
126	10.048	1417	1423	1429	rBB2	999	1923	0.01%	0.006%
127	10.091	1429	1431	1433	rBV2	663	572	0.00%	0.002%
128	10.117	1433	1436	1439	rBV	837	688	0.00%	0.002%
129	10.160	1439	1444	1445	rBV	928	997	0.00%	0.003%
130	10.187	1445	1449	1453	rBV	672	1042	0.00%	0.003%
131	10.294	1465	1469	1471	rBV	888	1284	0.01%	0.004%
132	10.315	1471	1473	1485	rVB3	1743	3616	0.01%	0.012%
133	10.406	1485	1490	1493	rBV	989	2010	0.01%	0.007%
134	10.465	1497	1501	1503	rVV	606	822	0.00%	0.003%
135	10.487	1503	1505	1515	rVV	614	882	0.00%	0.003%
136	10.551	1515	1517	1523	rVV	924	1174	0.00%	0.004%
137	10.593	1523	1525	1527	rVB	870	568	0.00%	0.002%
138	10.620	1527	1530	1533	rBV	731	1141	0.00%	0.004%
139	10.668	1533	1539	1541	rBV	904	1571	0.01%	0.005%
140	10.690	1541	1543	1547	rVB	852	943	0.00%	0.003%
141	10.781	1547	1560	1567	rVB3	1673	3875	0.02%	0.013%
142	10.829	1567	1569	1573	rBV	1040	1103	0.00%	0.004%
143	10.872	1573	1577	1583	rBV	537	554	0.00%	0.002%
144	10.914	1583	1585	1589	rVB2	1036	1167	0.00%	0.004%
145	10.957	1589	1593	1597	rBV	1730	1910	0.01%	0.006%
146	11.043	1605	1609	1613	rVB	788	787	0.00%	0.003%
147	11.096	1613	1619	1621	rBV2	754	888	0.00%	0.003%
148	11.118	1621	1623	1629	rVV2	1145	1071	0.00%	0.003%
149	11.187	1633	1636	1639	rVV2	1427	1298	0.01%	0.004%
150	11.225	1639	1643	1649	rVB4	1447	1820	0.01%	0.006%
151	11.326	1657	1662	1667	rVB	482726	463368	1.84%	1.512%
152	11.369	1667	1670	1675	rVB	1565	2888	0.01%	0.009%
153	11.401	1675	1676	1683	rBV2	1255	2270	0.01%	0.007%

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270

154	11.471	1687	1689	1691	rVB2	933	692	0.00%	0.002%
155	11.508	1691	1696	1703	rBV2	1481	3168	0.01%	0.010%
156	11.578	1707	1709	1715	rVB4	1109	1682	0.01%	0.005%
157	11.631	1715	1719	1723	rBV	1035	1582	0.01%	0.005%
158	11.658	1723	1724	1727	rBV	543	507	0.00%	0.002%
159	11.701	1727	1732	1735	rVB3	1646	2111	0.01%	0.007%
160	11.738	1735	1739	1743	rBV3	1373	2354	0.01%	0.008%
161	11.770	1743	1745	1749	rVB	734	642	0.00%	0.002%
162	11.802	1749	1751	1757	rVB4	1151	1442	0.01%	0.005%
163	11.845	1757	1759	1761	rBV	1029	745	0.00%	0.002%
164	11.877	1761	1765	1767	rBV2	1322	1196	0.00%	0.004%
165	11.915	1767	1772	1775	rVB4	1420	2232	0.01%	0.007%
166	11.973	1775	1783	1785	rBV3	1439	1969	0.01%	0.006%
167	12.000	1785	1788	1795	rBV5	1010	1723	0.01%	0.006%
168	12.080	1795	1803	1807	rVB4	2847	4077	0.02%	0.013%
169	12.139	1811	1814	1817	rBV3	1430	1364	0.01%	0.004%
170	12.203	1823	1826	1827	rVB2	995	902	0.00%	0.003%
171	12.246	1827	1834	1835	rVB5	572	862	0.00%	0.003%
172	12.273	1835	1839	1851	rBV5	1317	3059	0.01%	0.010%
173	12.364	1851	1856	1859	rBV6	1308	2314	0.01%	0.008%
174	12.407	1859	1864	1871	rVB4	7209	7541	0.03%	0.025%
175	12.466	1871	1875	1877	rBV3	1153	1499	0.01%	0.005%
176	12.508	1877	1883	1889	rVB6	2158	4727	0.02%	0.015%
177	12.572	1889	1895	1901	rBV	373178	393802	1.56%	1.285%
178	12.615	1901	1903	1907	rVB3	3403	2683	0.01%	0.009%
179	12.647	1907	1909	1915	rVB5	1657	2335	0.01%	0.008%
180	12.690	1915	1917	1919	rBV3	1521	1521	0.01%	0.005%
181	12.722	1919	1923	1925	rVB4	1372	1331	0.01%	0.004%
182	12.760	1925	1930	1931	rBV5	1173	1488	0.01%	0.005%
183	12.792	1931	1936	1939	rBV7	2148	2355	0.01%	0.008%
184	12.861	1939	1949	1951	rBV7	1804	4363	0.02%	0.014%
185	12.925	1959	1961	1965	rBV4	1454	1750	0.01%	0.006%
186	12.952	1965	1966	1973	rBV5	1796	2639	0.01%	0.009%
187	13.000	1973	1975	1979	rVB3	998	1750	0.01%	0.006%
188	13.054	1979	1985	1989	rVB6	2463	3653	0.01%	0.012%
189	13.086	1989	1991	1993	rBV2	2368	1867	0.01%	0.006%
190	13.113	1993	1996	2001	rBV7	1121	1285	0.01%	0.004%
191	13.182	2007	2009	2015	rVB6	1775	2158	0.01%	0.007%
192	13.230	2015	2018	2025	rBV7	2274	4830	0.02%	0.016%

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270

193	13.311	2027	2033	2035	rVV5	2038	2303	0.01%	0.008%
194	13.343	2035	2039	2041	rVV4	1275	1108	0.00%	0.004%
195	13.364	2041	2043	2045	rVV3	1746	1678	0.01%	0.005%
196	13.407	2045	2051	2057	rVB4	8799	10952	0.04%	0.036%
197	13.460	2057	2061	2065	rVB7	1489	2274	0.01%	0.007%
198	13.525	2065	2073	2075	rBV8	3065	6136	0.02%	0.020%
199	13.557	2075	2079	2085	rVV7	2618	3552	0.01%	0.012%
200	13.599	2085	2087	2093	rVB7	1773	2073	0.01%	0.007%
201	13.696	2101	2105	2107	rBV5	2931	4022	0.02%	0.013%
202	13.722	2107	2110	2115	rVB7	3204	5269	0.02%	0.017%
203	13.808	2115	2126	2129	rBV7	3557	11156	0.04%	0.036%
204	13.835	2129	2131	2135	rBV5	2788	3030	0.01%	0.010%
205	13.926	2141	2148	2151	rBV8	2855	5192	0.02%	0.017%
206	14.038	2161	2169	2175	rBV8	2414	6496	0.03%	0.021%
207	14.113	2179	2183	2185	rBV4	3036	2891	0.01%	0.009%
208	14.182	2191	2196	2201	rBV	387538	468890	1.86%	1.530%
209	14.220	2201	2203	2217	rVB	6416	15293	0.06%	0.050%
210	14.380	2229	2233	2235	rBV5	2465	2928	0.01%	0.010%
211	14.477	2245	2251	2255	rVB9	2978	4943	0.02%	0.016%
212	14.514	2255	2258	2263	rBV7	3212	5336	0.02%	0.017%
213	14.551	2263	2265	2267	rBV3	2730	1662	0.01%	0.005%
214	14.658	2281	2285	2291	rBV8	4306	3910	0.02%	0.013%
215	14.712	2291	2295	2299	rBV7	3201	3971	0.02%	0.013%
216	14.744	2299	2301	2303	rBV3	2555	1511	0.01%	0.005%
217	14.995	2345	2348	2351	rVB4	3057	1881	0.01%	0.006%
218	15.022	2351	2353	2355	rVB2	2640	1752	0.01%	0.006%
219	15.060	2355	2360	2365	rBV8	5122	7486	0.03%	0.024%
220	15.145	2373	2376	2377	rBV2	3965	2491	0.01%	0.008%
221	15.274	2397	2400	2403	rBV5	2732	2880	0.01%	0.009%
222	15.471	2435	2437	2439	rBV3	4829	3805	0.02%	0.012%
223	15.493	2439	2441	2449	rBV9	3161	7087	0.03%	0.023%
224	15.594	2457	2460	2463	rBV5	4056	6284	0.02%	0.021%
225	15.637	2463	2468	2473	rVV9	5260	10931	0.04%	0.036%
226	15.723	2473	2484	2499	rVB7	26642	81436	0.32%	0.266%
227	15.921	2519	2521	2523	rBV3	2714	2182	0.01%	0.007%
228	16.001	2529	2536	2539	rBV8	5013	12616	0.05%	0.041%
229	16.087	2549	2552	2555	rBV5	2009	1993	0.01%	0.007%
230	16.188	2567	2571	2577	rVB9	3753	3758	0.01%	0.012%
231	16.370	2603	2605	2611	rVB7	4100	4754	0.02%	0.016%

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

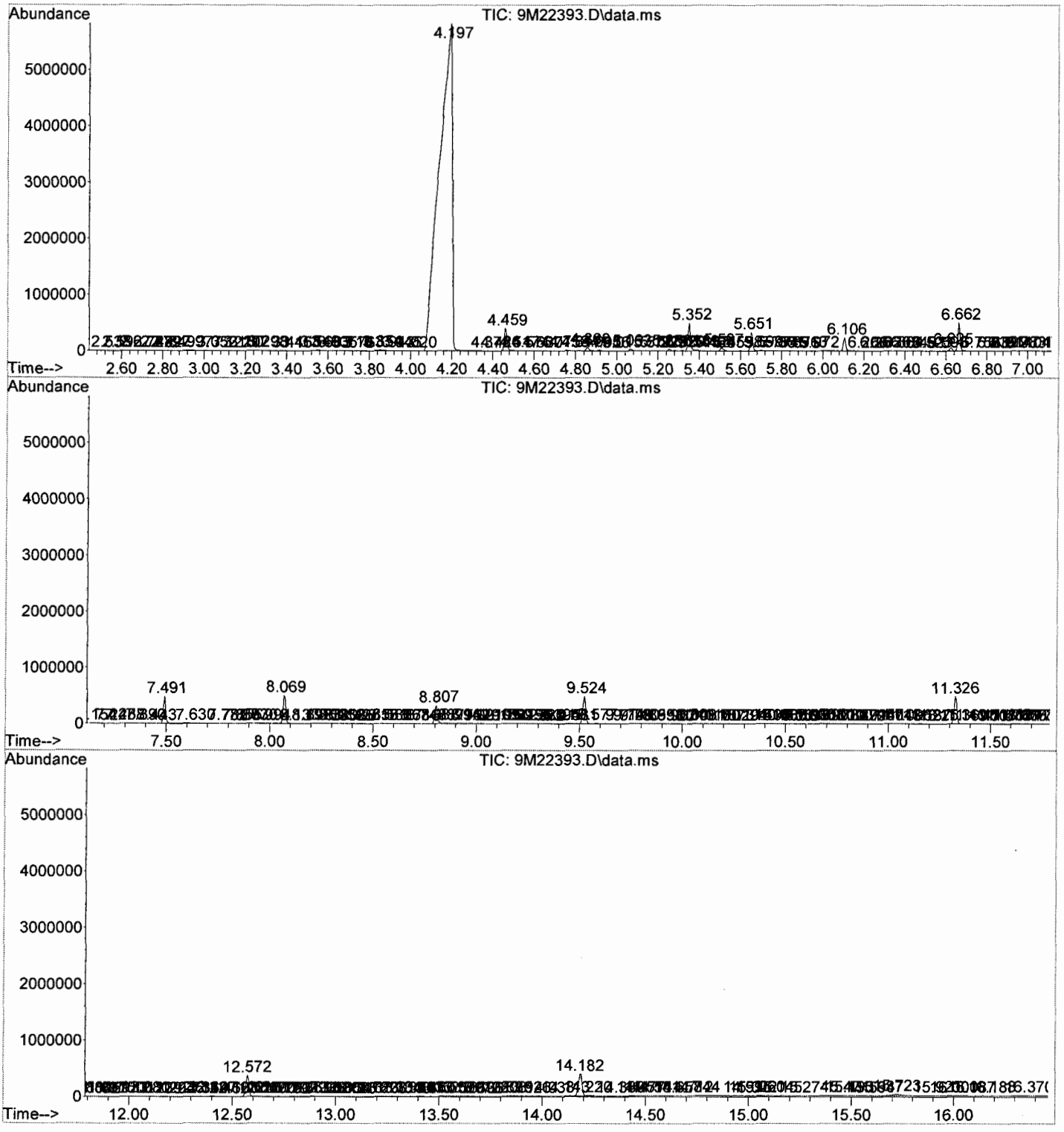
Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270

Sum of corrected areas: 30647387

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

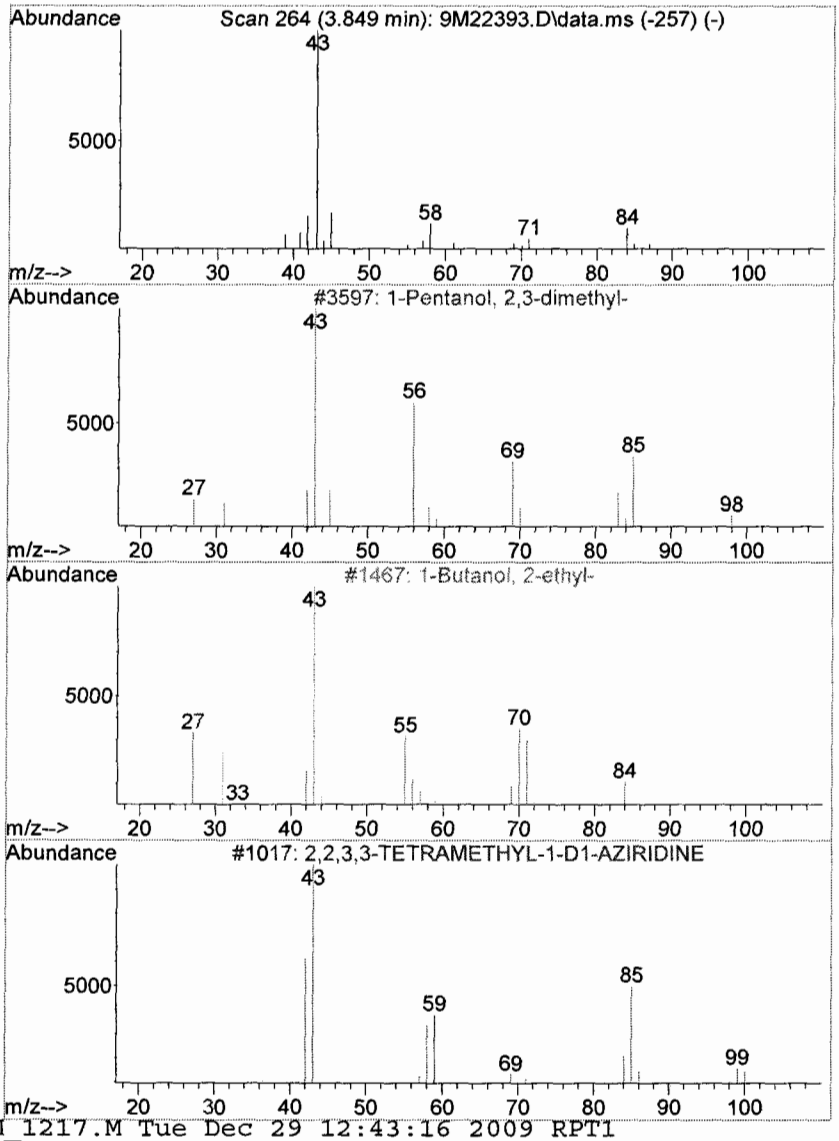
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

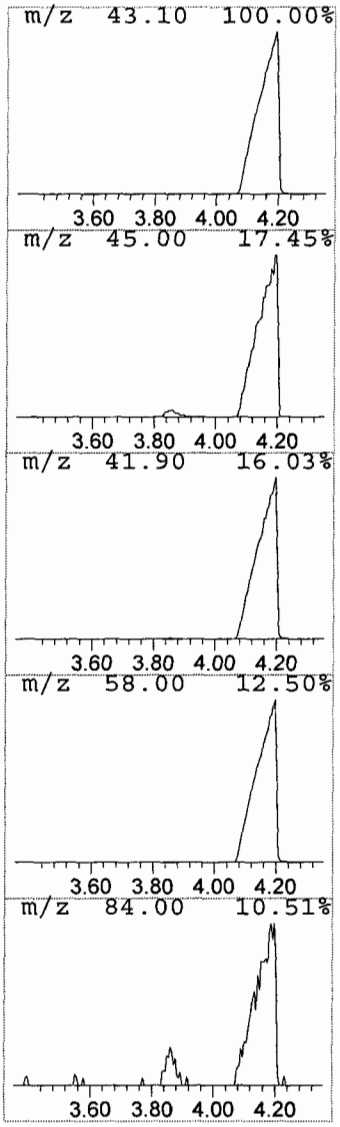
****

Peak Number 1 unknown Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.85	4.26 ng	29308	1,4-Dichlorobenzene-d4	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentanol, 2,3-dimethyl-	116	C7H16O	010143-23-4	36
2	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	25
3	2,2,3,3-TETRAMETHYL-1-D1-AZIRIDINE	99	C6H12DN	005910-15-6	9
4	1-Dodecene	168	C12H24	000112-41-4	9
5	Lactic acid, 2-methyl-, monoanhy...	170	C8H15BO3	024372-02-9	9





Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

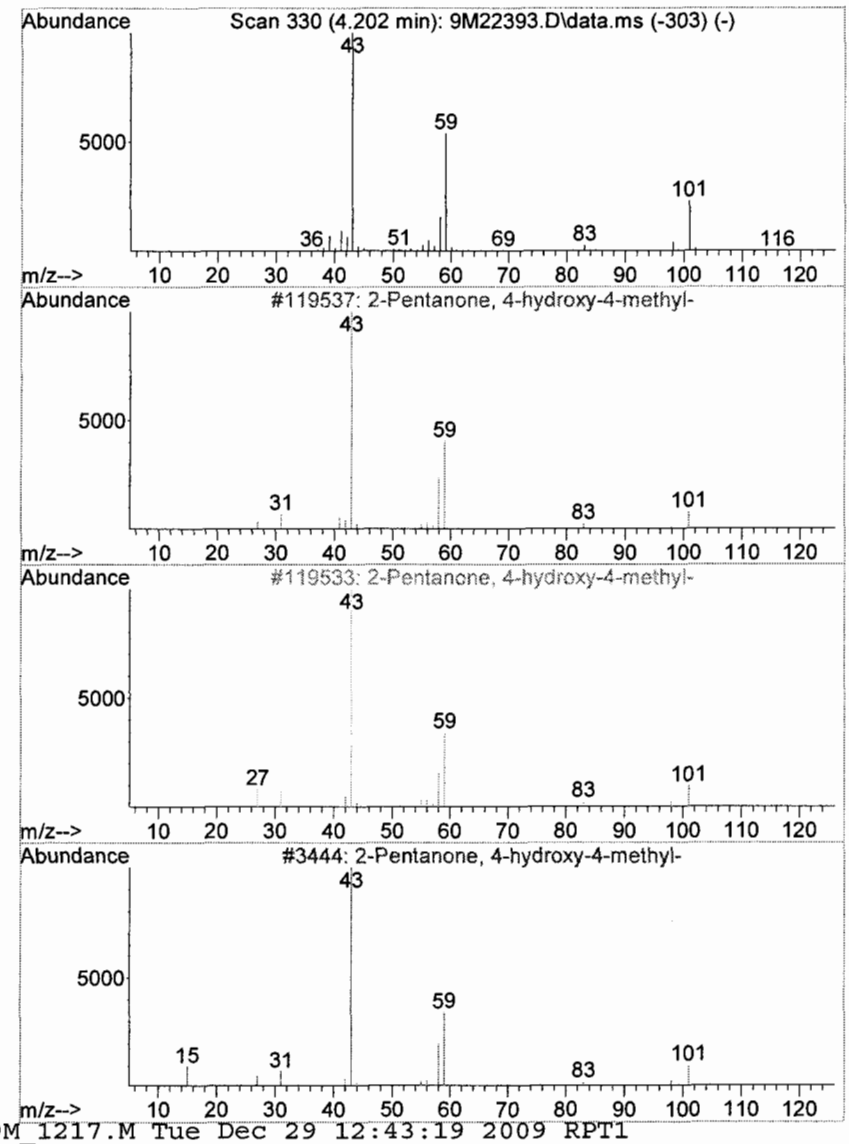
Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

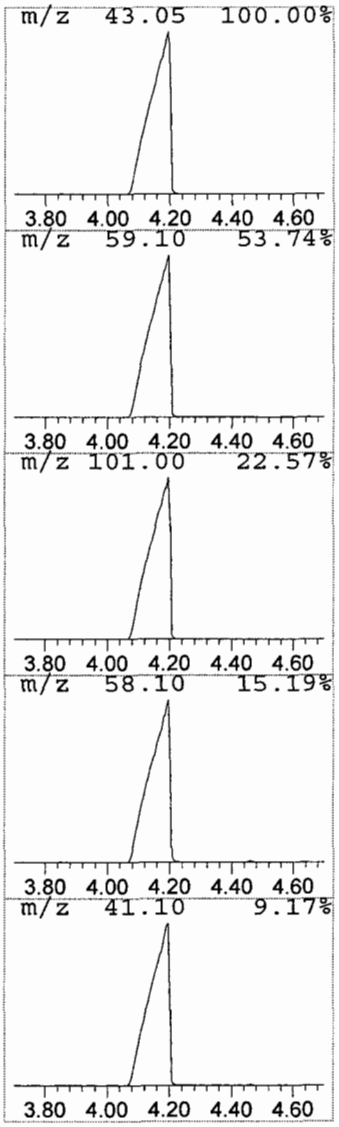
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.20	3658.72 ng	25193900	1,4-Dichlorobenzene-d4	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

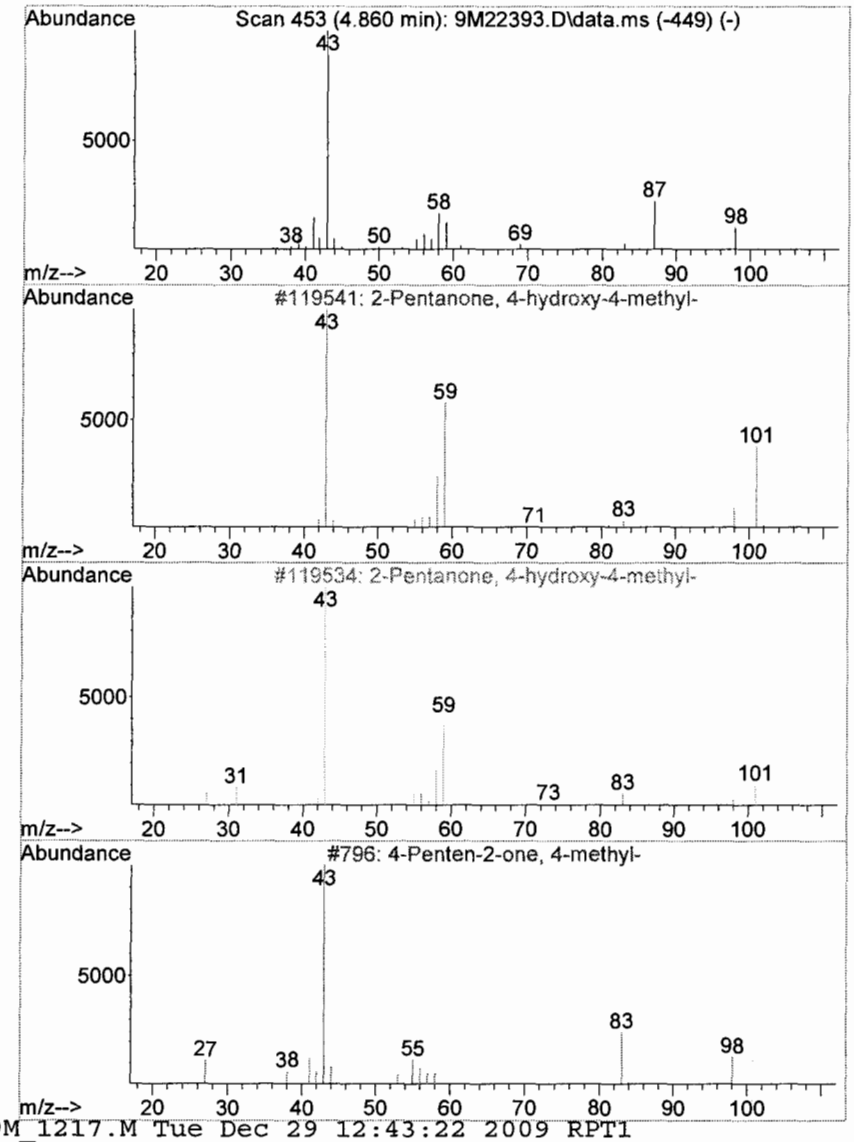
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

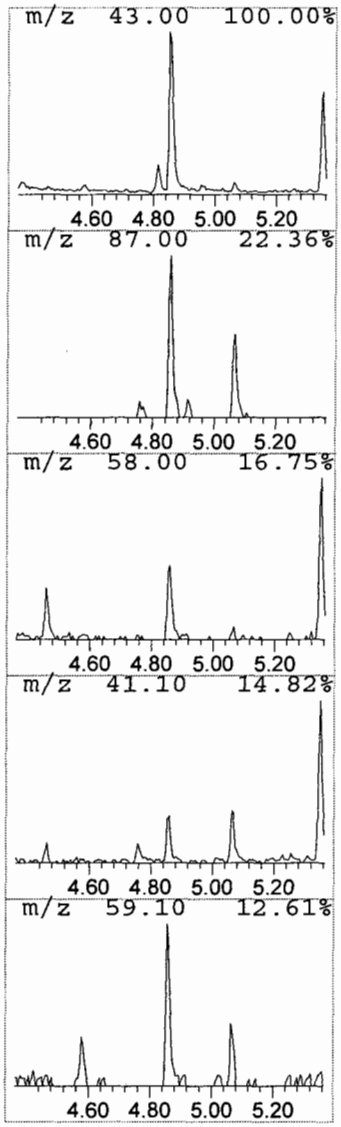
****

Peak Number 3 unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	8.71 ng	59999	1,4-Dichlorobenzene-d4	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	37
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	17
3	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	16
4	4-Hexen-2-one	98	C6H10O	025659-22-7	12
5	2-Heptanone	114	C7H14O	000110-43-0	12





Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

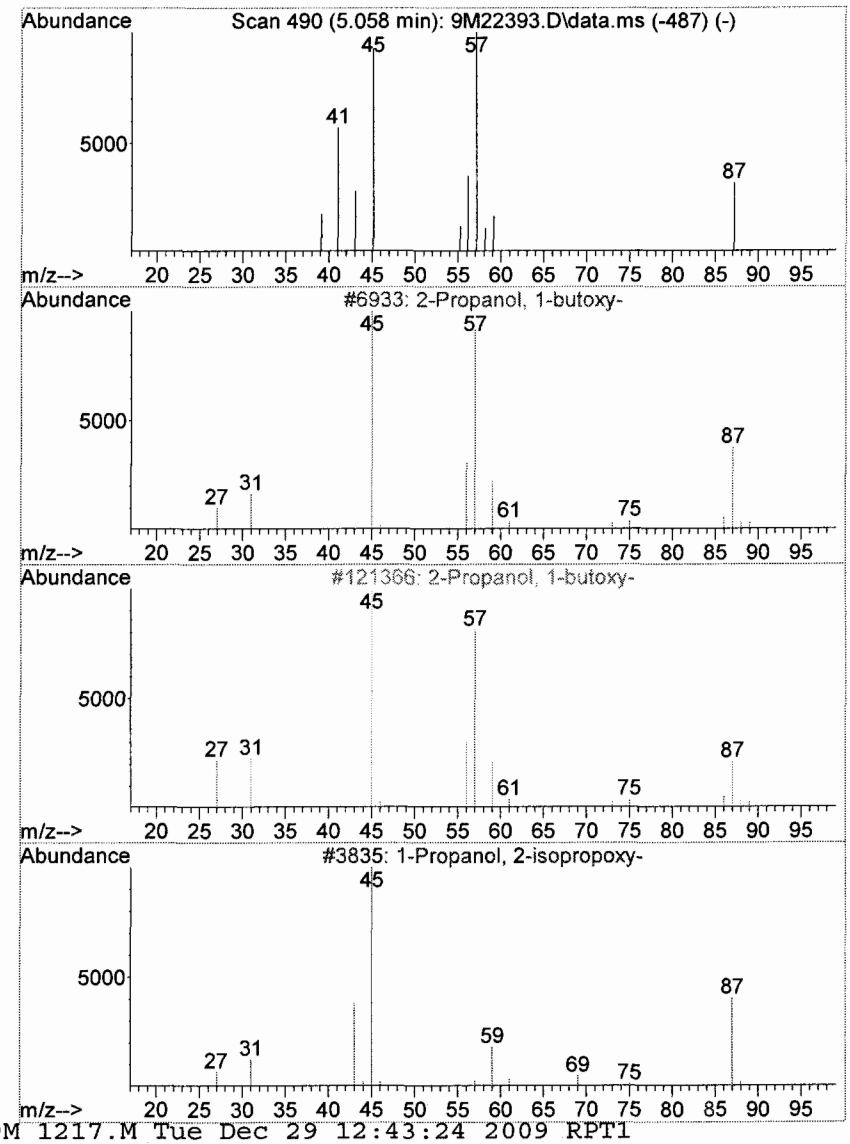
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

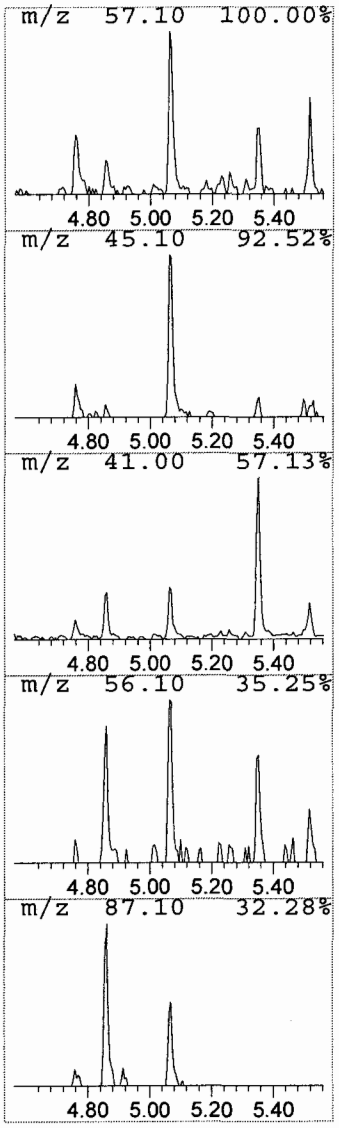
****

Peak Number 4 2-Propanol, 1-butoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	5.11 ng	35207	1,4-Dichlorobenzene-d4	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	86
2	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	78
3	1-Propanol, 2-isopropoxy-	118	C6H14O2	003944-37-4	40
4	1-Propanol, 2-isopropoxy-	118	C6H14O2	003944-37-4	40
5	Propane, 2-methyl-1-propoxy-	116	C7H16O	015268-49-2	38





Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

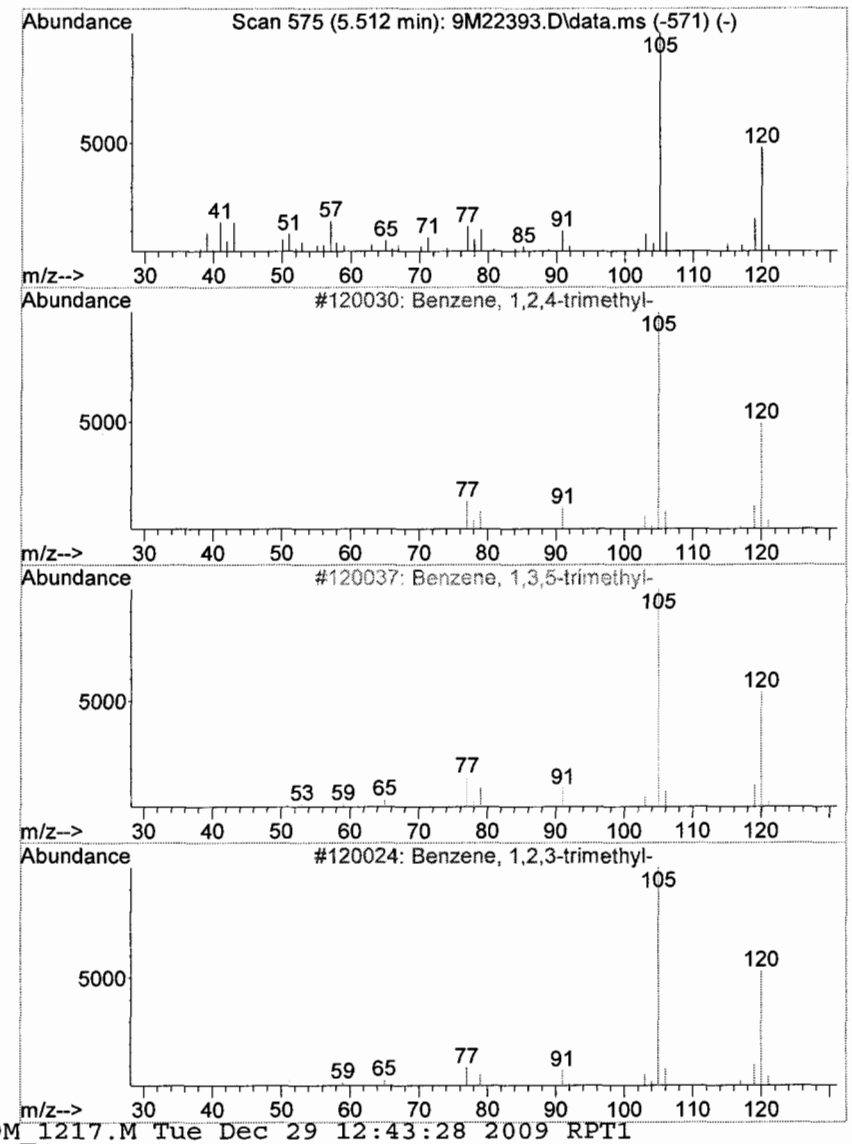
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

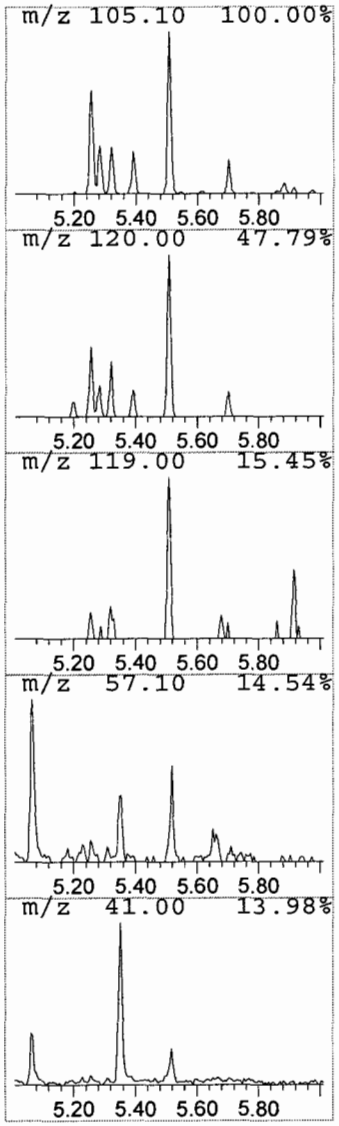
****

Peak Number 5 Benzene, 1,2,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.51	8.49 ng	58436	1,4-Dichlorobenzene-d4	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	97
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	97
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	95
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94





Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

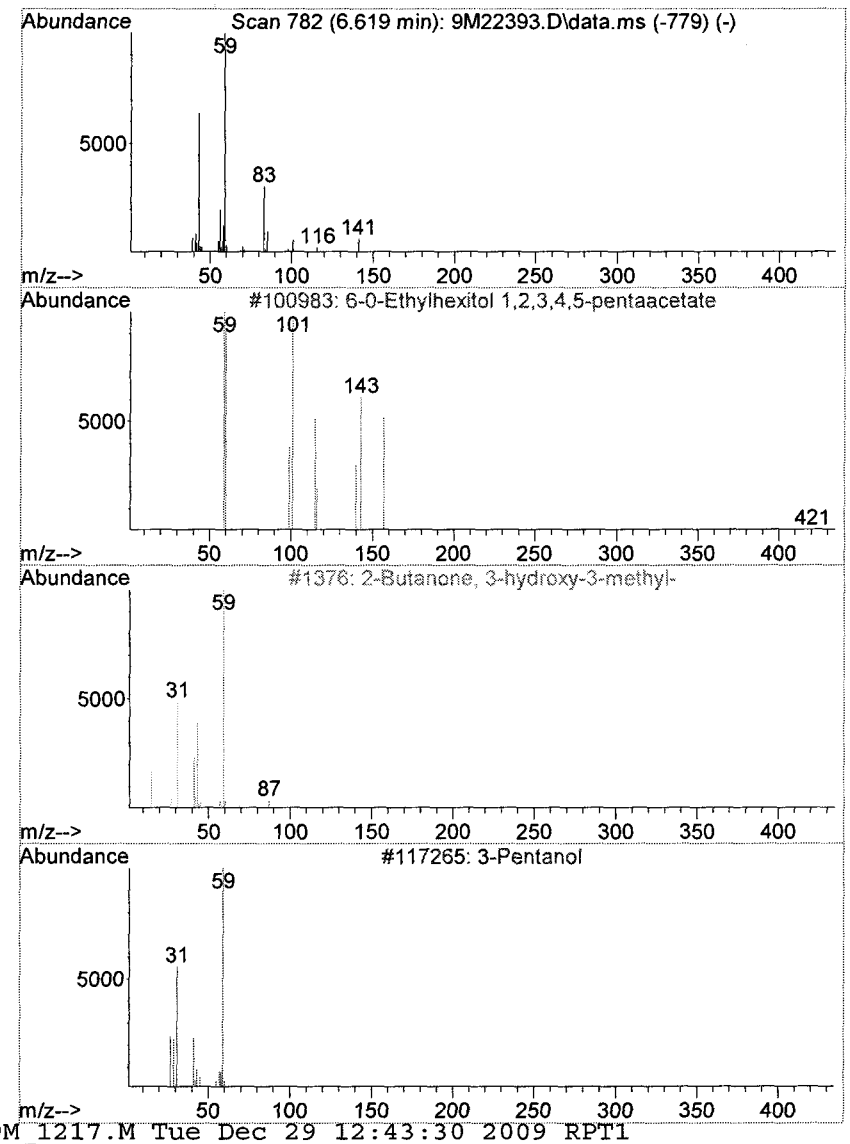
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

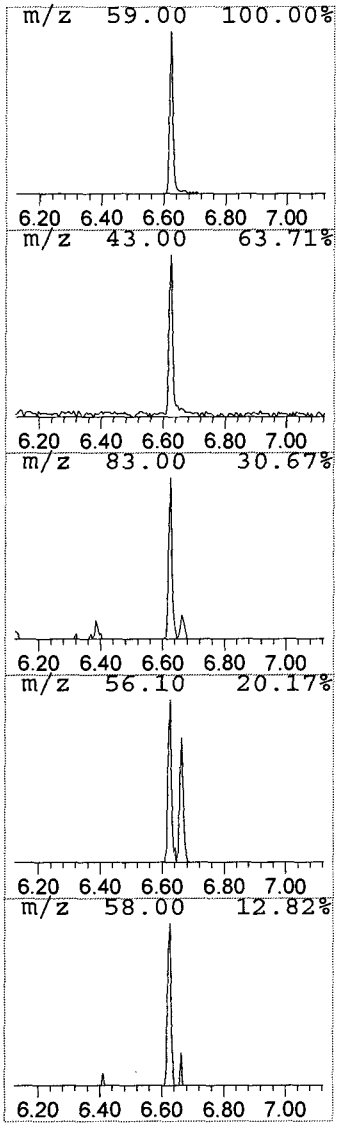
****

Peak Number 6 unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	4.77 ng	45120	Naphthalene-d8	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-0-Ethylhexitol 1,2,3,4,5-penta...	420	C18H27DO11	000000-00-0	40
2	2-Butanone, 3-hydroxy-3-methyl-	102	C5H10O2	000115-22-0	38
3	3-Pentanol	88	C5H12O	000584-02-1	38
4	2-Pentanol, 2,3-dimethyl-	116	C7H16O	004911-70-0	33
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	33





Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

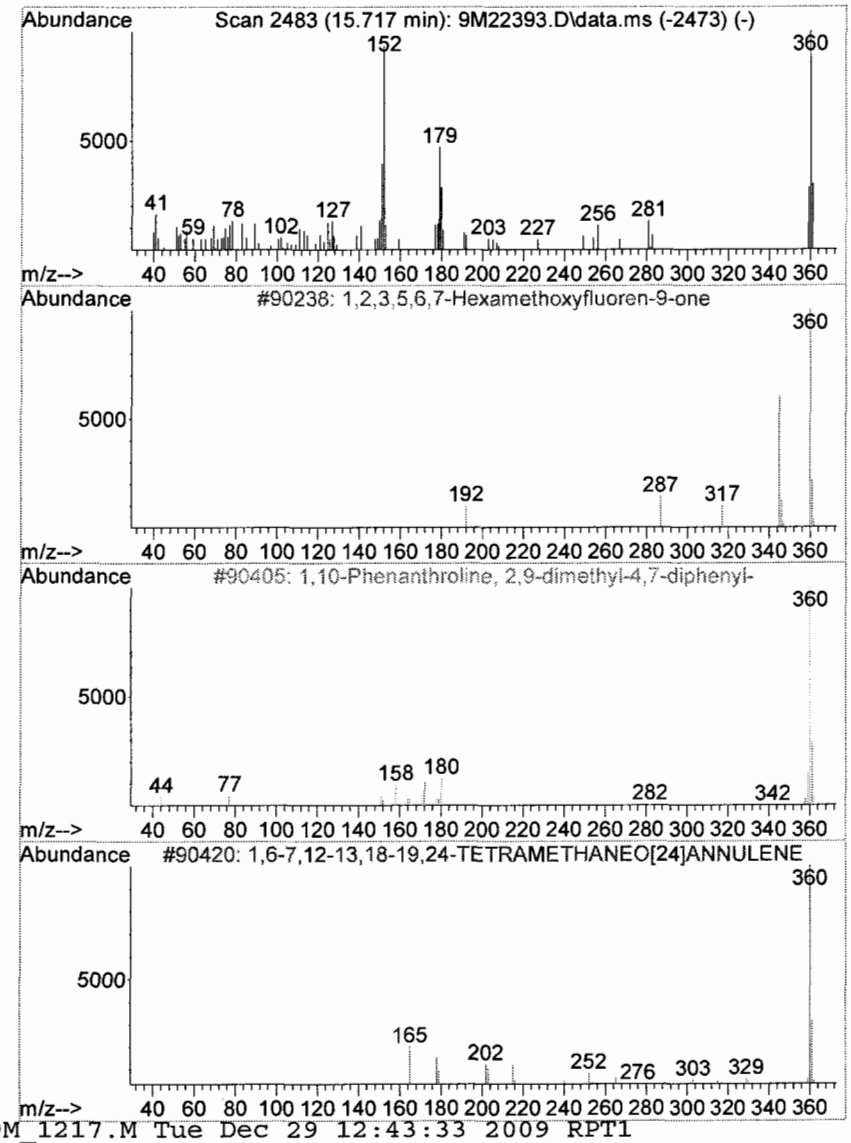
Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

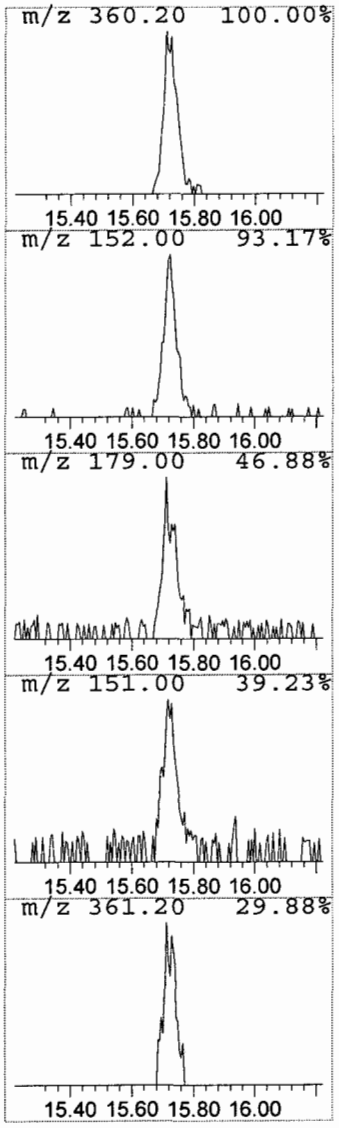
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1,2,3,5,6,7-Hexamethoxyfluo... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	6.89 ng	81436	Perylene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,5,6,7-Hexamethoxyfluoren-9...	360	C19H20O7	080141-10-2	59
2	1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	35
3	1,6-7,12-13,18-19,24-TETRAMETHAN...	360	C28H24	000000-00-0	27
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	25
5	5.alpha.-Pregnane-12,20-dione, c...	360	C23H36O3	005618-27-9	22





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-27-09\
Data File : 9M22393.D
Acq On : 27 Dec 2009 11:17
Operator : AHD
Sample : SMB4370
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Quant Title : @GCMS_9,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	# ExpRT	ActRt	Resp	Conc
unknown	3.85	4.3	ng	29308	1 5.65	5.65	275439	40.0
2-Pentanone, 4-hy...	4.20	3658.7	ng	25193900	1 5.65	5.65	275439	40.0
unknown	4.86	8.7	ng	59999	1 5.65	5.65	275439	40.0
2-Propanol, 1-but...	5.06	5.1	ng	35207	1 5.65	5.65	275439	40.0
Benzene, 1,2,4-tr...	5.51	8.5	ng	58436	1 5.65	5.65	275439	40.0
unknown	6.62	4.8	ng	45120	2 6.66	6.66	378413	40.0
1,2,3,5,6,7-Hexam...	15.72	6.9	ng	81436	6 14.19	14.18	472766	40.0

FORM 3

Spike Recovery

Batch Number: SMB4370
Mbs Name: SMB4370(MS)
Ns Name: AC49014-004
Ms Name: AC49014-004(MS)
Msd Name: AC49014-004(MSD

Mbs File: 5M54618.D
Non Spk'd File: 5M54619.D
Spike File: 5M54620.D
Spike Dup File: 5M54621.D
Matrix: Soil
Method: EPA 8270C

Mbs Date: 12/27/09 11:30
Non Spk'd Date: 12/27/09 11:52
Spike Date : 12/27/09 12:15
Spike Dup Date: 12/27/09 12:37

Compound	C#	Co	Mr	Conc Exp	Lo Llm	Hi Lim	Rpd Llm	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Phenol	10	1	0	100	35	130	31	66.53	0.00	64.33	56.49	67	64	56	13
2-Chlorophenol	11	1	0	100	43	131	32	75.52	0.00	73.36	65.89	76	73	66	11
1,4-Dichlorobenzene	14	1	0	50	26	128	41	36.10	0.00	32.02	31.59	72	64	63	1.4
2-Methylphenol	18	1	0	100	40	137	32	73.39	0.00	73.38	64.76	73	73	65	12
N-Nitroso-di-n-propyla	21	1	0	50	23	147	39	38.35	0.00	37.84	35.11	77	76	70	7.5
2,4-Dimethylphenol	28	1	0	100	47	135	32	81.53	0.00	78.59	74.84	82	79	75	4.9
1,2,4-Trichlorobenzen	32	1	0	50	40	129	39	38.01	0.00	35.53	33.94	76	71	68	4.6
Naphthalene	33	1	0	50	44	132	41	36.54	0.00	35.07	32.44	73	70	65	7.8
4-Chloro-3-methylphe	37	1	0	100	45	142	32	83.49	0.00	84.26	73.54	83	84	74	14
Acenaphthene	55	1	0	50	47	137	58	37.13	0.00	34.72	33.65	74	69	67	3.1
2,4-Dinitrotoluene	59	1	0	50	30	139	47	38.73	0.00	35.45	33.71	77	71	67	5
4-Nitrophenol	60	1	0	100	35	146	36	71.81	0.00	72.31	78.91	72	72	79	8.7
Fluorene	62	1	0	50	42	135	43	37.24	0.00	35.35	32.79	74	71	66	7.5
Pentachlorophenol	75	1	0	100	38	132	37	82.16	0.00	84.09	79.87	82	84	80	5.1
Pyrene	82	1	0	50	45	167	53	37.28	0.00	36.61	33.83	75	73	68	7.9
Butylbenzylphthalate	88	1	0	50	45	157	40	38.70	0.00	38.74	36.74	77	77	73	5.3

Note:

Rp = Failed Rpd Criteria **Mo = Failed Recovery Criteria**

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

Quantitation Report (QT Reviewed)

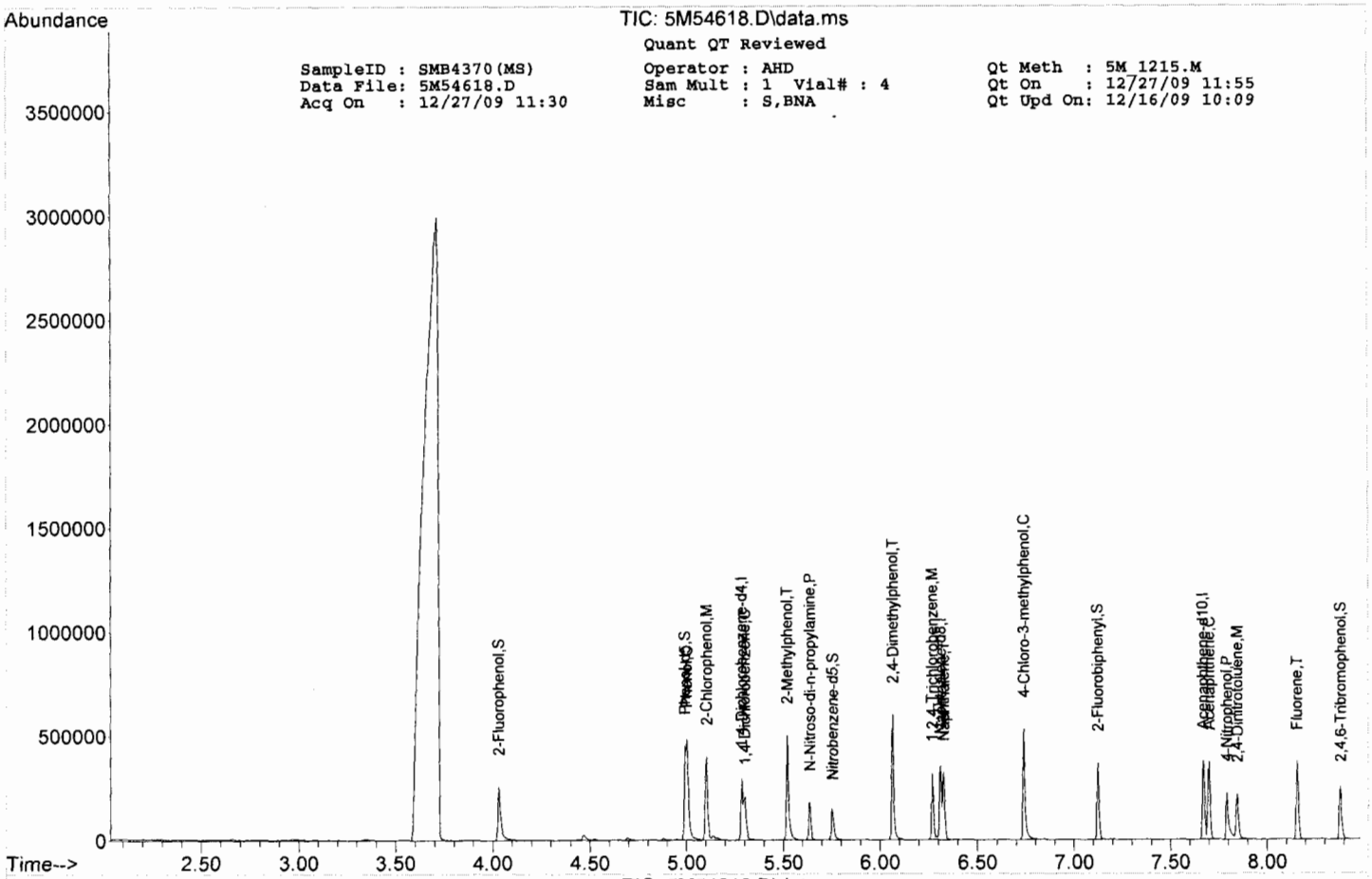
0304

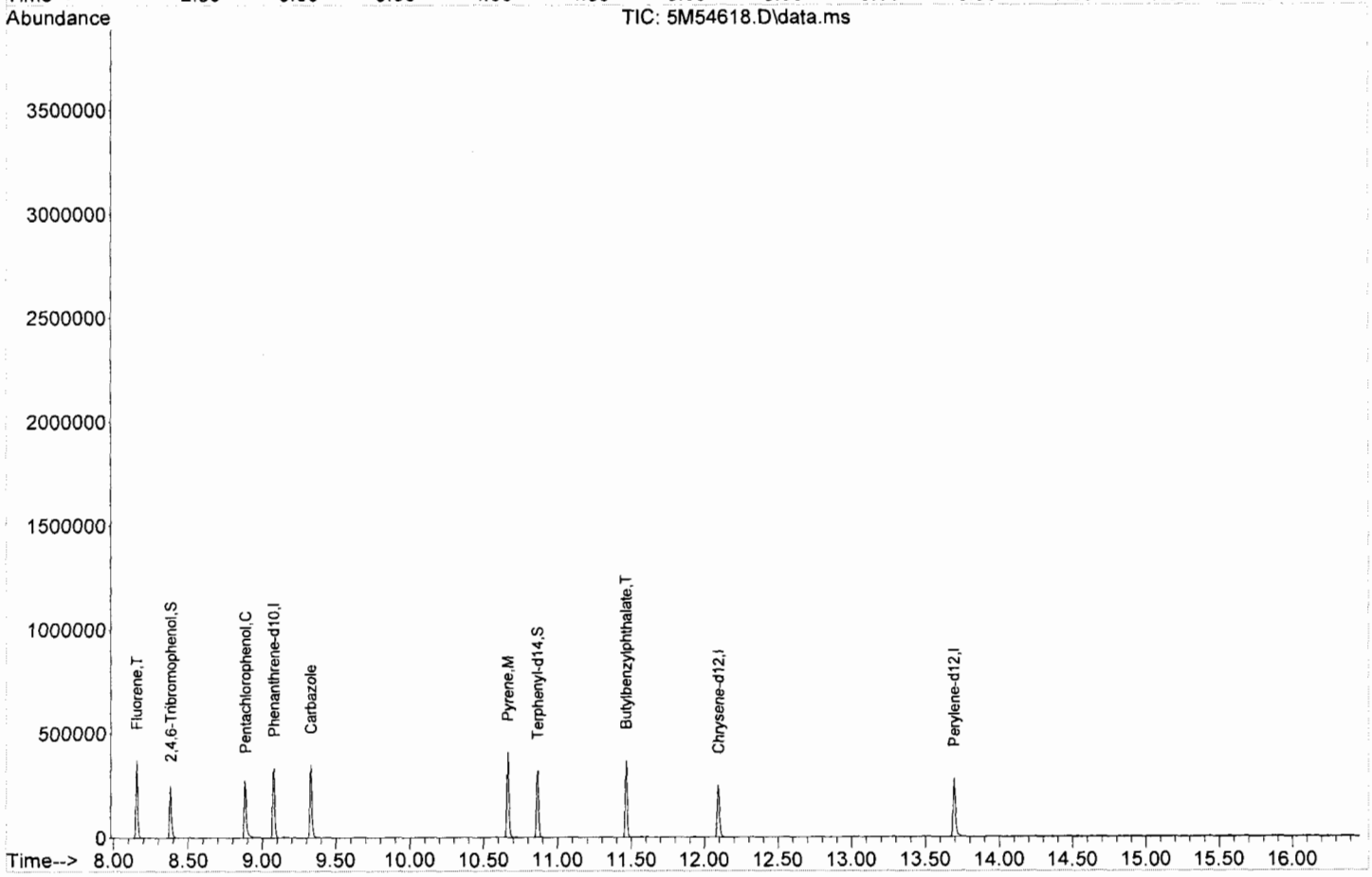
SampleID : SMB4370(MS) Operator : AHD Qt Meth : 5M_1215.M
Data File: 5M54618.D Sam Mult : 1 Vial# : 4 Qt On : 12/27/09 11:55
Acq On : 12/27/09 11:30 Misc : S,BNA Qt Upd On: 12/16/09 10:09

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-27-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.286	152	27114	40.00	ng	-0.03
23) Naphthalene-d8	6.311	136	109046	40.00	ng	-0.03
41) Acenaphthene-d10	7.668	164	66608	40.00	ng	-0.03
67) Phenanthrene-d10	9.079	188	111386	40.00	ng	-0.04
81) Chrysene-d12	12.097	240	99249	40.00	ng	-0.05
96) Perylene-d12	13.694	264	98903	40.00	ng	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	4.030	112	61303	55.46	ng	-0.02
Spiked Amount 100.000			Recovery =	55.46%		
9) Phenol-d5	4.992	99	99646	66.08	ng	-0.03
Spiked Amount 100.000			Recovery =	66.08%		
24) Nitrobenzene-d5	5.756	128	14980	33.44	ng	-0.02
Spiked Amount 50.000			Recovery =	66.88%		
46) 2-Fluorobiphenyl	7.123	172	76666	34.47	ng	-0.03
Spiked Amount 50.000			Recovery =	68.94%		
70) 2,4,6-Tribromophenol	8.384	330	17397	78.25	ng	-0.03
Spiked Amount 100.000			Recovery =	78.25%		
84) Terphenyl-d14	10.868	244	94689	36.27	ng	-0.04
Spiked Amount 50.000			Recovery =	72.54%		
Target Compounds						Qvalue
10) Phenol	5.002	94	110021	66.53	ng	92
11) 2-Chlorophenol	5.104	128	74897	75.52	ng	96
14) 1,4-Dichlorobenzene	5.302	146	38559	36.10	ng	97
18) 2-Methylphenol	5.521	108	73699	73.39	ng	99
21) N-Nitroso-di-n-propyla...	5.638	70	36129	38.35	ng	72
28) 2,4-Dimethylphenol	6.066	107	98773	81.53	ng	87
32) 1,2,4-Trichlorobenzene	6.269	180	35039	38.01	ng	98
33) Naphthalene	6.327	128	108798	36.54	ng	99
37) 4-Chloro-3-methylphenol	6.739	107	87048	83.49	ng	97
55) Acenaphthene	7.700	153	71355	37.13	ng	96
59) 2,4-Dinitrotoluene	7.845	165	27153	38.73	ng	91
60) 4-Nitrophenol	7.791	65	38875	71.81	ng	88
62) Fluorene	8.154	166	89667	37.24	ng	98
75) Pentachlorophenol	8.886	266	26382	82.16	ng	97
78) Carbazole	9.330	167	126892	38.61	ng	99
82) Pyrene	10.665	202	157310	37.28	ng	85
88) Butylbenzylphthalate	11.467	149	70524	38.70	ng	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 5M54618.D\data.ms
Quant QT Reviewed
SampleID : SMB4370(MS)
Data File: 5M54618.D
Acq On : 12/27/09 11:30
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : S,BNA
Qt Meth : 5M_1215.M
Qt On : 12/27/09 11:55
Qt Upd On: 12/16/09 10:09
2-Fluorophenol,S
2-Chlorophenol,M
2-Methylphenol,T
N-Nitroso-di-n-propylamine,P
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
4-Chloro-3-methylphenol,C
2-Fluorobiphenyl,S
4-Nitrophenol,P
2,4-Dinitrotoluene,M
Fluorene,T
2,4,6-Tribromophenol,S
Time-->


Abundance
TIC: 5M54618.D\data.ms
Fluorene,T
2,4,6-Tribromophenol,S
Pentachlorophenol,C
Phenanthrene-d10,I
Carbazole
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
Chrysene-d12,I
Perylene-d12,I
Time-->

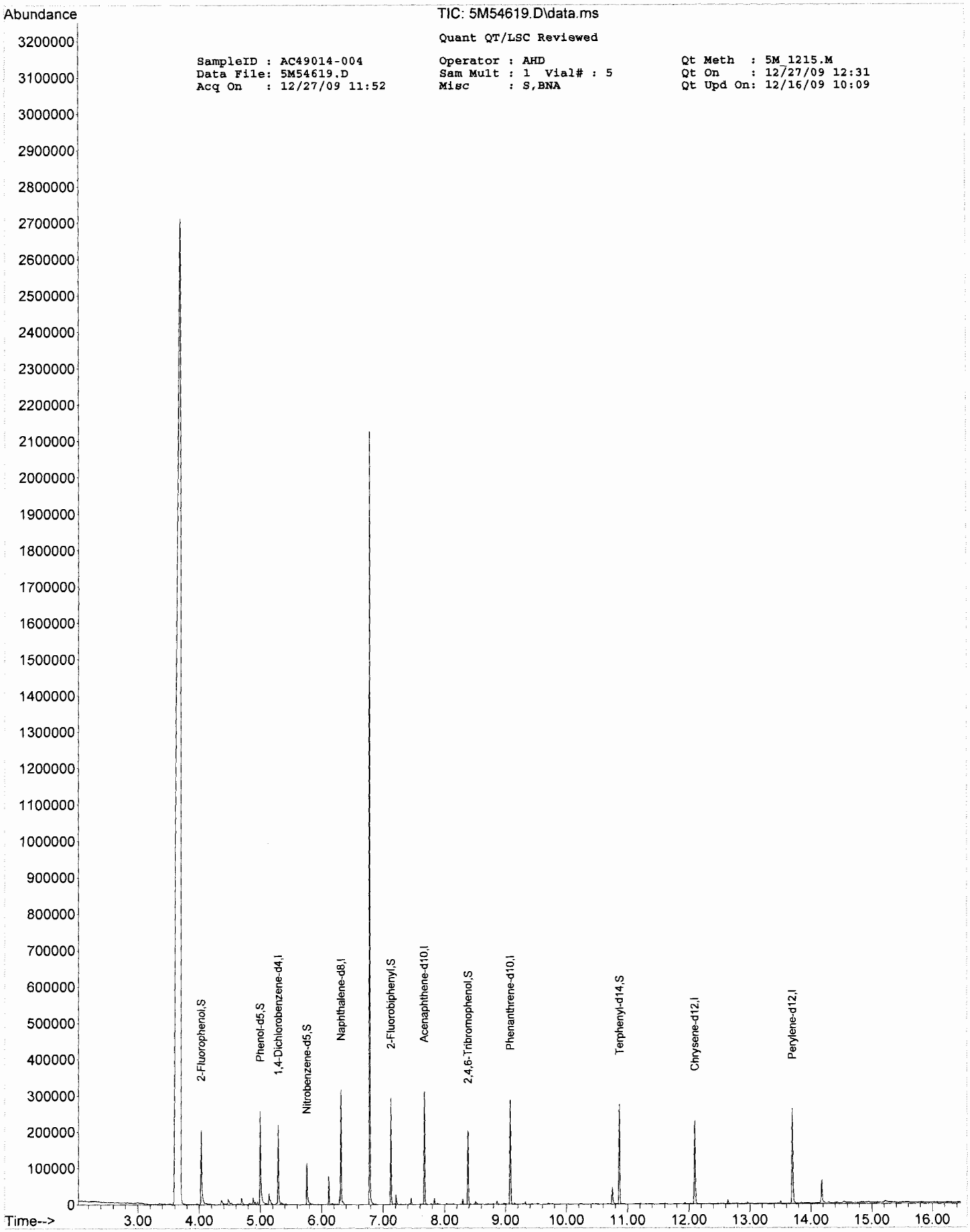
Quantitation Report (QT/LSC Reviewed)

SampleID : AC49014-004 Operator : AHD Qt Meth : 5M_1215.M
Data File: 5M54619.D Sam Mult : 1 Vial# : 5 Qt On : 12/27/09 12:31
Acq On : 12/27/09 11:52 Misc : S,BNA Qt Upd On: 12/16/09 10:09

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-27-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.286	152	23968	40.00	ng	-0.03
23) Naphthalene-d8	6.311	136	97324	40.00	ng	-0.03
41) Acenaphthene-d10	7.668	164	55273	40.00	ng	-0.03
67) Phenanthrene-d10	9.079	188	97379	40.00	ng	-0.04
81) Chrysene-d12	12.097	240	87698	40.00	ng	-0.05
96) Perylene-d12	13.694	264	92900	40.00	ng	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	4.030	112	48761	49.91	ng	-0.02
Spiked Amount 100.000			Recovery = 49.91%			
9) Phenol-d5	4.992	99	79612	59.73	ng	-0.03
Spiked Amount 100.000			Recovery = 59.73%			
24) Nitrobenzene-d5	5.756	128	13012	32.54	ng	-0.02
Spiked Amount 50.000			Recovery = 65.08%			
46) 2-Fluorobiphenyl	7.123	172	61284	33.21	ng	-0.03
Spiked Amount 50.000			Recovery = 66.42%			
70) 2,4,6-Tribromophenol	8.384	330	14316	74.00	ng	-0.03
Spiked Amount 100.000			Recovery = 74.00%			
84) Terphenyl-d14	10.868	244	81134	35.17	ng	-0.04
Spiked Amount 50.000			Recovery = 70.34%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 5M54619.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC49014-004
Data File: 5M54619.D
Acq On : 12/27/09 11:52
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : S,BNA
Qt Meth : 5M_1215.M
Qt On : 12/27/09 12:31
Qt Upd On: 12/16/09 10:09
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

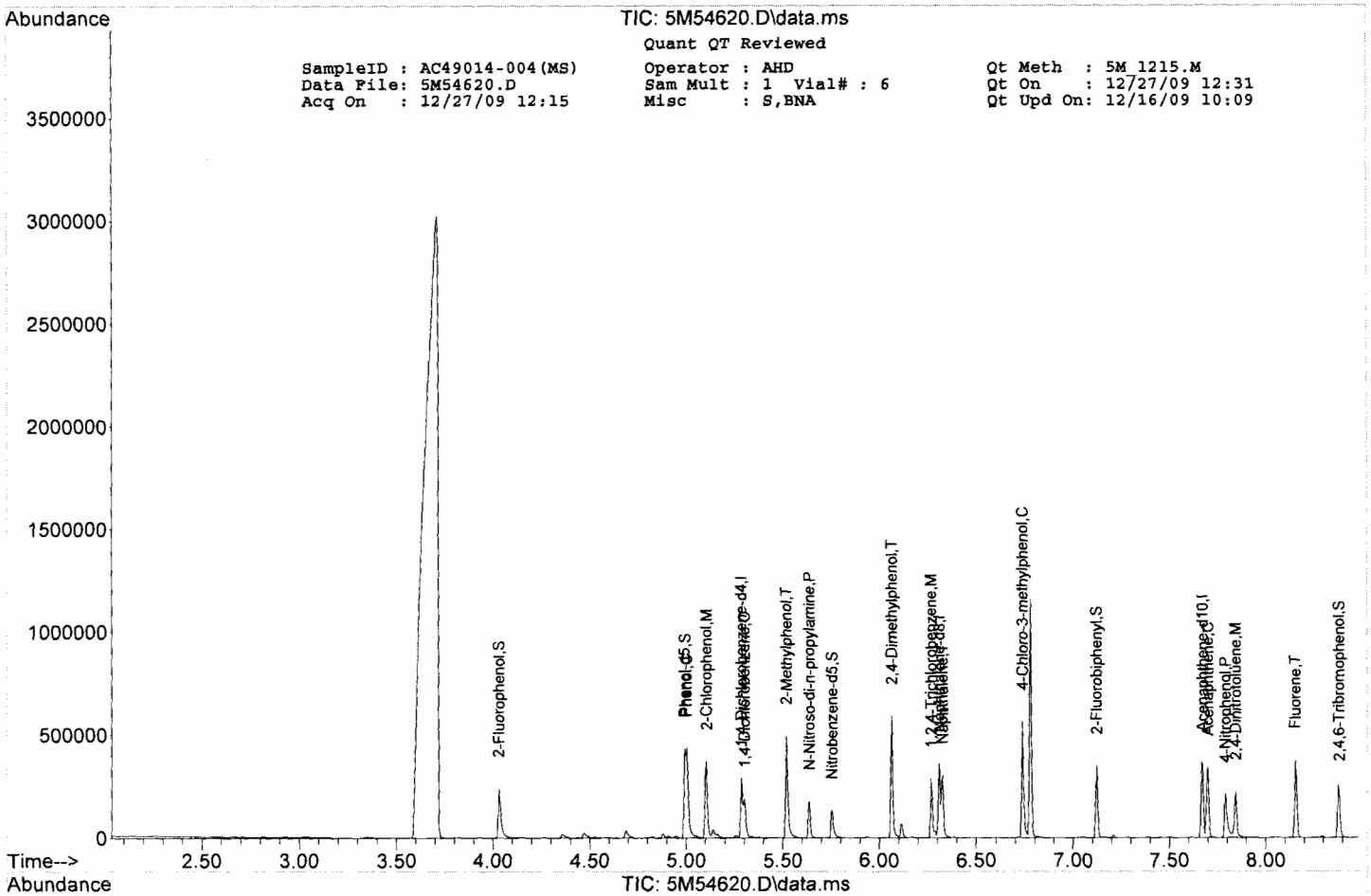
Quantitation Report (QT Reviewed)

SampleID : AC49014-004(MS) Operator : AHD Qt Meth : 5M_1215.M
Data File: 5MS4620.D Sam Mult : 1 Vial# : 6 Qt On : 12/27/09 12:31
Acq On : 12/27/09 12:15 Misc : S,BNA Qt Upd On: 12/16/09 10:09

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-27-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.286	152	26380	40.00	ng	-0.03
23) Naphthalene-d8	6.311	136	104610	40.00	ng	-0.03
41) Acenaphthene-d10	7.673	164	67815	40.00	ng	-0.03
67) Phenanthrene-d10	9.079	188	110966	40.00	ng	-0.04
81) Chrysene-d12	12.097	240	96522	40.00	ng	-0.05
96) Perylene-d12	13.694	264	95278	40.00	ng	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	4.030	112	57312	53.30	ng	-0.02
Spiked Amount 100.000			Recovery = 53.30%			
9) Phenol-d5	4.992	99	96212	65.58	ng	-0.03
Spiked Amount 100.000			Recovery = 65.58%			
24) Nitrobenzene-d5	5.756	128	14905	34.68	ng	-0.02
Spiked Amount 50.000			Recovery = 69.36%			
46) 2-Fluorobiphenyl	7.123	172	72714	32.12	ng	-0.03
Spiked Amount 50.000			Recovery = 64.24%			
70) 2,4,6-Tribromophenol	8.384	330	16606	75.23	ng	-0.03
Spiked Amount 100.000			Recovery = 75.23%			
84) Terphenyl-d14	10.868	244	91633	36.09	ng	-0.04
Spiked Amount 50.000			Recovery = 72.18%			
Target Compounds						Qvalue
10) Phenol	5.002	94	103507	64.33	ng	93
11) 2-Chlorophenol	5.104	128	70784	73.36	ng	96
14) 1,4-Dichlorobenzene	5.302	146	33277	32.02	ng	97
18) 2-Methylphenol	5.521	108	71698	73.38	ng	99
21) N-Nitroso-di-n-propyla...	5.638	70	34688	37.84	ng	75
28) 2,4-Dimethylphenol	6.065	107	91336	78.59	ng	89
32) 1,2,4-Trichlorobenzene	6.268	180	31422	35.53	ng	98
33) Naphthalene	6.327	128	100179	35.07	ng	99
37) 4-Chloro-3-methylphenol	6.739	107	84277	84.26	ng	99
55) Acenaphthene	7.700	153	67939	34.72	ng	95
59) 2,4-Dinitrotoluene	7.844	165	25303	35.45	ng	98
60) 4-Nitrophenol	7.791	65	39880	72.31	ng	88
62) Fluorene	8.154	166	86665	35.35	ng	99
75) Pentachlorophenol	8.886	266	26990	84.09	ng	95
78) Carbazole	9.330	167	118652	36.24	ng	100
82) Pyrene	10.665	202	150246	36.61	ng	87
88) Butylbenzylphthalate	11.466	149	68656	38.74	ng	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
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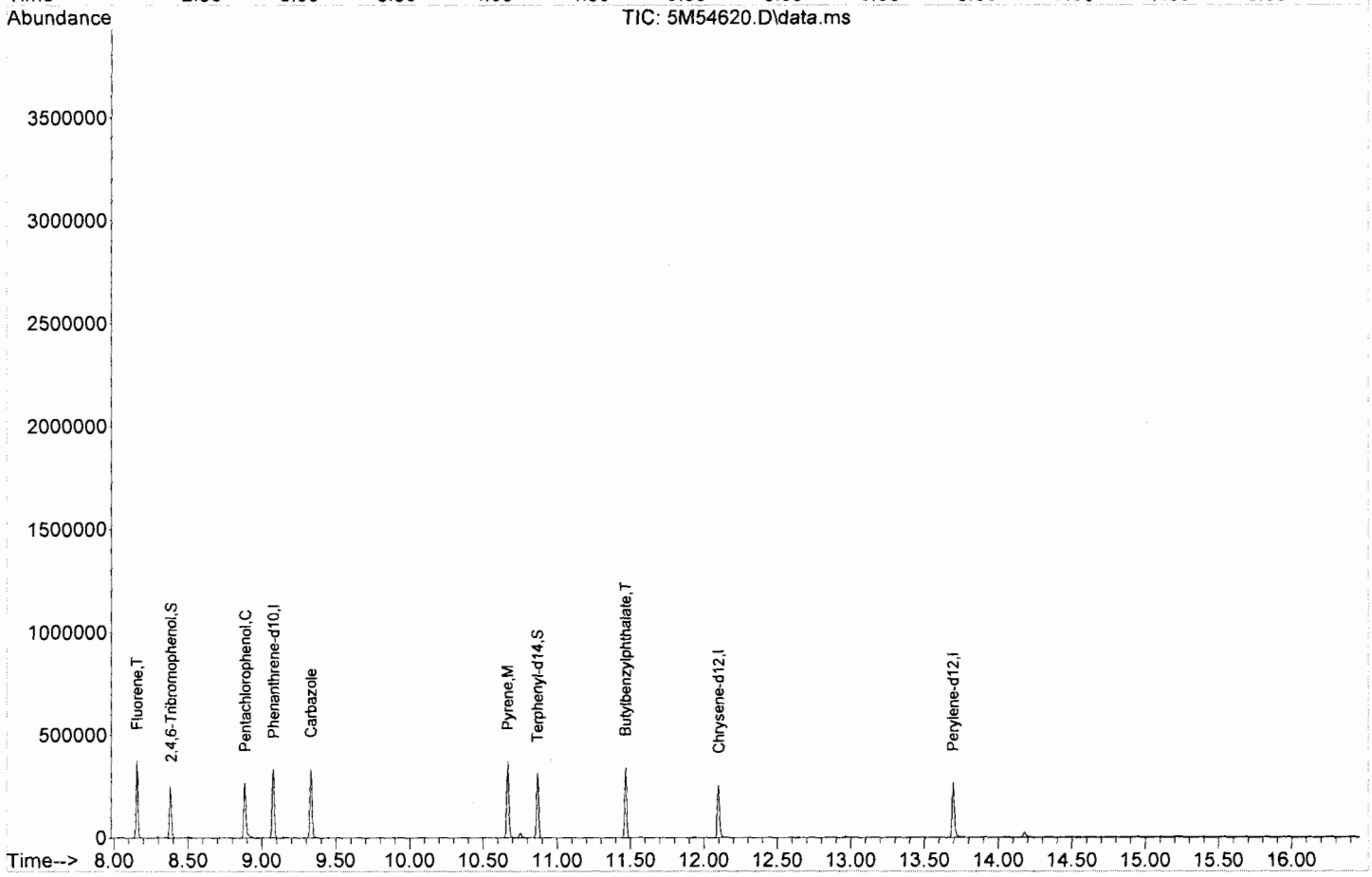
Quant QT Reviewed
SampleID : AC49014-004(MS)
Data File: 5M54620.D
Acq On : 12/27/09 12:15
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : S,BNA
Qt Meth : 5M_1215.M
Qt On : 12/27/09 12:31
Qt Upd On: 12/16/09 10:09
2-Fluorophenol,S
Phenol-d5,S
2-Chlorophenol,M
2-Methylphenol,T
N-Nitroso-di-n-propylamine,P
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
4-Chloro-3-methylphenol,C
2-Fluorobiphenyl,S
Acenaphthene-d10,I
4-Nitrophenol,P
2,4-Dinitrotoluene,M
Fluorene,T
2,4,6-Tribromophenol,S
Time-->


Abundance
TIC: 5M54620.D\data.ms
Fluorene,T
2,4,6-Tribromophenol,S
Pentachlorophenol,C
Phenanthrene-d10,I
Carbazole
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
Chrysene-d12,I
Perylene-d12,I
Time-->

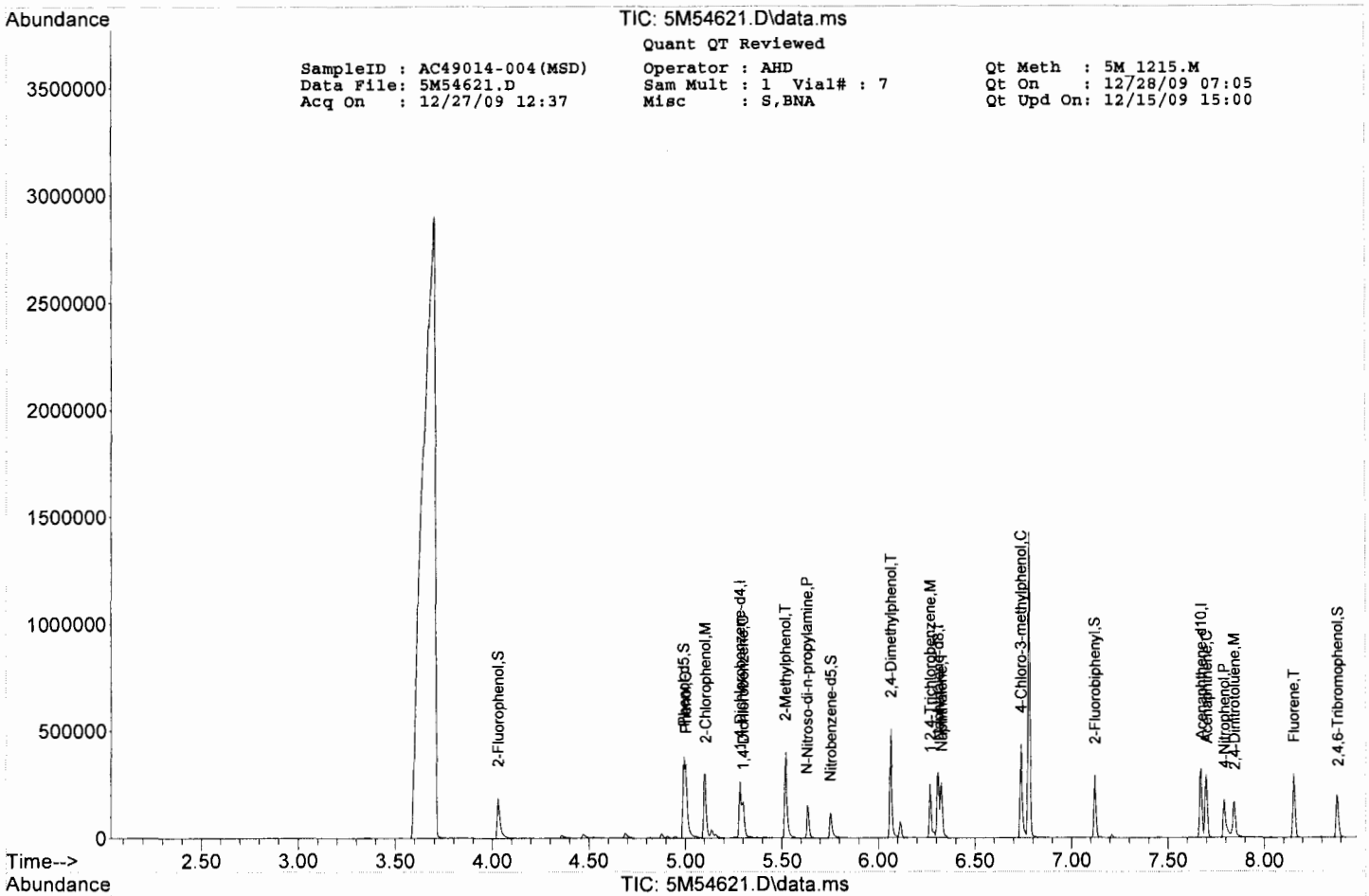
Quantitation Report (QT Reviewed)

SampleID : AC49014-004(MSD) Operator : AHD Qt Meth : 5M_1215.M
Data File: 5M54621.D Sam Mult : 1 Vial# : 7 Qt On : 12/28/09 07:05
Acq On : 12/27/09 12:37 Misc : S,BNA Qt Upd On: 12/15/09 15:00

Data Path : G:\GcMsData\2009\GCMS_5\Data\12-27-09\
Qt Path : G:\GCMSDATA\2009\GCMS_5\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.286	152	24604	40.00	ng	-0.03
23) Naphthalene-d8	6.311	136	94936	40.00	ng	-0.03
41) Acenaphthene-d10	7.674	164	58851	40.00	ng	-0.03
67) Phenanthrene-d10	9.079	188	95526	40.00	ng	-0.04
81) Chrysene-d12	12.097	240	88831	40.00	ng	-0.05
96) Perylene-d12	13.694	264	88233	40.00	ng	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	4.030	112	46747	46.61	ng	-0.02
Spiked Amount 100.000			Recovery = 46.61%			
9) Phenol-d5	4.992	99	79049	57.77	ng	-0.03
Spiked Amount 100.000			Recovery = 57.77%			
24) Nitrobenzene-d5	5.756	128	12513	32.08	ng	-0.02
Spiked Amount 50.000			Recovery = 64.16%			
46) 2-Fluorobiphenyl	7.123	172	59975	30.52	ng	-0.03
Spiked Amount 50.000			Recovery = 61.04%			
70) 2,4,6-Tribromophenol	8.384	330	13916	73.38	ng	-0.03
Spiked Amount 100.000			Recovery = 73.38%			
84) Terphenyl-d14	10.868	244	76753	32.85	ng	-0.04
Spiked Amount 50.000			Recovery = 65.70%			
Target Compounds						Qvalue
10) Phenol	5.002	94	84774	56.49	ng	92
11) 2-Chlorophenol	5.104	128	59300	65.89	ng	96
14) 1,4-Dichlorobenzene	5.302	146	30622	31.59	ng	100
18) 2-Methylphenol	5.521	108	59011	64.76	ng	97
21) N-Nitroso-di-n-propyla...	5.633	70	30013	35.11	ng	79
28) 2,4-Dimethylphenol	6.066	107	78939	74.84	ng	87
32) 1,2,4-Trichlorobenzene	6.269	180	27237	33.94	ng	97
33) Naphthalene	6.327	128	84078	32.44	ng	99
37) 4-Chloro-3-methylphenol	6.739	107	66756	73.54	ng	97
55) Acenaphthene	7.700	153	57142	33.65	ng	96
59) 2,4-Dinitrotoluene	7.845	165	20881	33.71	ng	94
60) 4-Nitrophenol	7.791	65	38120	78.91	ng	87
62) Fluorene	8.154	166	69766	32.79	ng	96
75) Pentachlorophenol	8.886	266	21906	79.87	ng	99
78) Carbazole	9.330	167	101079	35.86	ng	99
82) Pyrene	10.665	202	127780	33.83	ng	87
88) Butylbenzylphthalate	11.467	149	59920	36.74	ng	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed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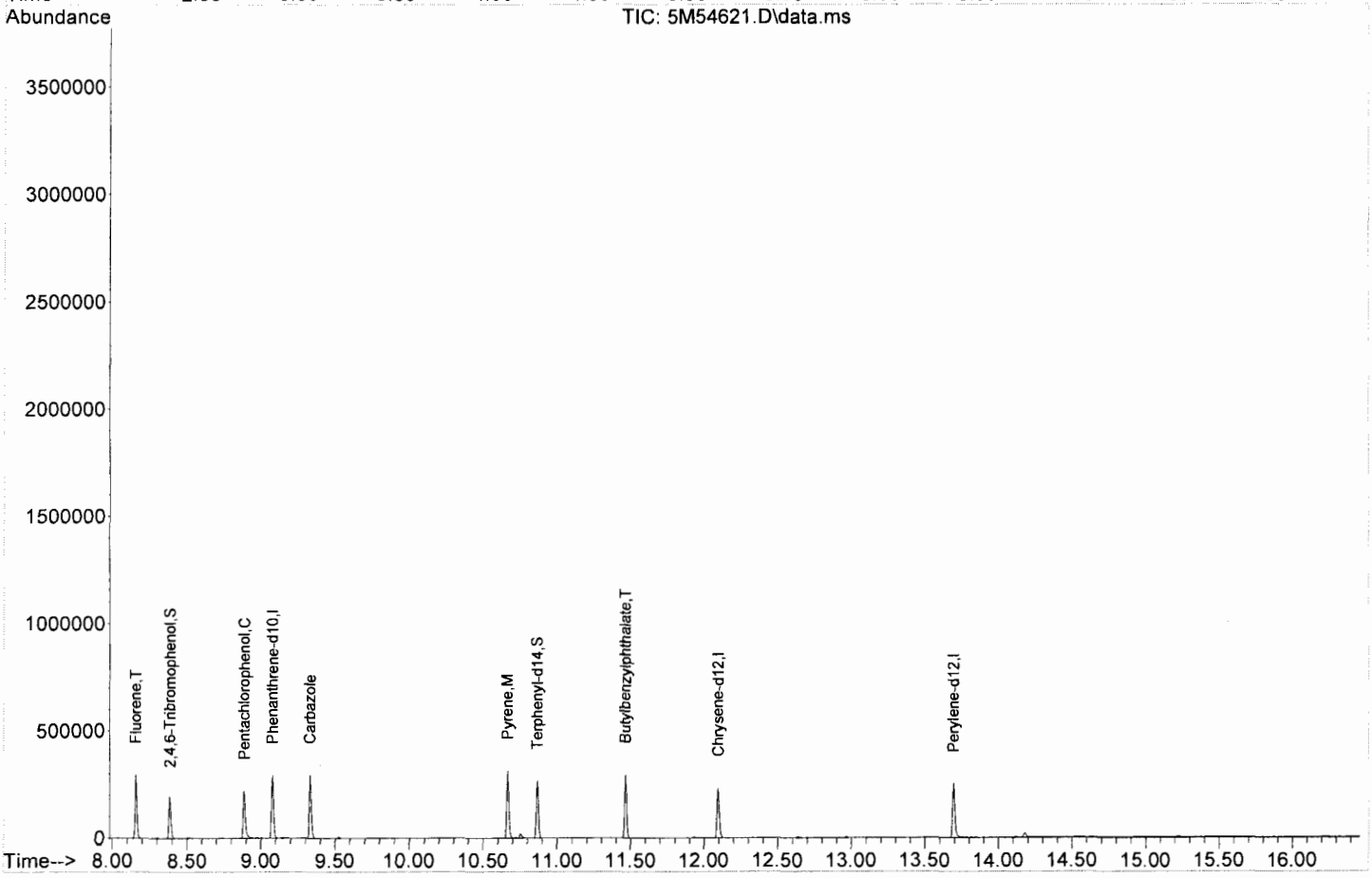
Quant QT Reviewed
SampleID : AC49014-004(MSD)
Data File: 5M54621.D
Acq On : 12/27/09 12:37
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : S,BNA
Qt Meth : 5M_1215.M
Qt On : 12/28/09 07:05
Qt Upd On: 12/15/09 15:00
2-Fluorophenol,S
2-Chlorophenol,M
2-Methylphenol,T
N-Nitroso-di-n-propylamine,P
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
4-Chloro-3-methylphenol,C
2-Fluorobiphenyl,S
Fluorene,T
2,4,6-Tribromophenol,S
Time-->


Abundance
TIC: 5M54621.D\data.ms
Fluorene,T
2,4,6-Tribromophenol,S
Pentachlorophenol,C
Phenanthrene-d10,I
Carbazole
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
Chrysene-d12,I
Perylene-d12,I
Time-->

GC/MS Semi-Volatile Data
Logbook Data

Hampton-Clarke/Veritech

Analysis: BN/ BNA /AE

Method Blank No. SMB- 4370
Blank Spike (SMBS): 4370
Blank Spike (SMBS): _____

Date: 12/23/09
Matrix Spike: 49014-004
Matrix Spike: _____

SONICATION EXTRACTION (3550B) UNLESS CHECKED HERE: ASE (3545)_____

Sample Number	# in Batch	Initial Weight (g)	Final Volume (ml)	Fraction			Extracted By	Extract Appearance			Comments
				BN	BNA	AE		Color	Clarity	Sediment	
MB 4370	X	30.0gm	1.0 ml		X		KR				
MBS 4370	X	↓	↓		↓		↓				
MS 49014-004	X										
MSD 49014-004	X										
49014-004	1										
49014-001	2										
49014-002	3										
49014-003	4										
49014-005	5										
49014-006	6										
49014-007	7										
49029-001	8										
49045-001	9										
49045-002	10										
49045-003	11										
49045-004	12										
49045-005	13				↓						
49056-002	14			X							
48938-012	15			↓							
48938-013	16							r			KR 12/23/09
48981-001	17				X						
48981-002	18				↓						
49008-002	19	↓	↓		X		↓				

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	various	V-76014 ~~V-76104~~ 11/4/10	BN SPK

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V-59024	BN SURR

Reagent Lots: MeCL2 V.4563 Acetone V.4347 Hexane _____ Na2SO4 V.4497 Ether _____ MTBE _____ Other _____

Relinquished By: KR / RWG
Received By: AAA

Date: 12/23/09
Date: 12/27/09

T:\QC\FORMS\LOGBOOK FORMS\extractions\BN Soil Ext Log2009.doc

1-1-5M54326

RUN LOG

Instrument: GCMS_5 Year: 2009
Analyst: AHD

0314

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
5M54326.	CAL DFTPP		OK,V-75893	AHD						12/15 09:05
5M54327.	CAL BNA@50PPM		OK,V-78312	AHD		Aqueous	1	1	625 8270	12/15 09:37
5M54328.	CAL BNA@196PPM	Oc	OK,V-78316	AHD		Aqueous	1	1	625 8270	12/15 10:02
5M54329.	CAL BNA@160PPM	Oc	OK,V-78315	AHD		Aqueous	1	1	625 8270	12/15 10:24
5M54330.	CAL BNA@120PPM		OK,V-78314	AHD		Aqueous	1	1	625 8270	12/15 10:46
5M54331.	CAL BNA@80PPM		OK,V-78313	AHD		Aqueous	1	1	625 8270	12/15 11:09
5M54332.	CAL BNA@20PPM		OK,V-78311	AHD		Aqueous	1	1	625 8270	12/15 11:31
5M54333.	CAL BNA@10PPM	C16C18	NOT USED	AHD		Aqueous	1	1	625 8270	12/15 11:53
5M54334.	CAL BNA@2PPM	C16C18	NOT USED	AHD		Aqueous	1	1	625 8270	12/15 12:15
5M54335.	CAL BNA@10PPM		OK,V-78310	AHD		Aqueous	1	1	625 8270	12/15 13:07
5M54336.	CAL BNA@2PPM		OK,V-78318	AHD		Aqueous	1	1	625 8270	12/15 13:41
5M54337.	CAL BNA@50PPM		NOT USED	AHD		Aqueous	1	1	625 8270	12/15 14:06
5M54338.	ICV BNA@50PPM		OK,V-74730	AHD		Aqueous	1	1	625 8270	12/15 14:28
5M54339.	AC48776-001	Sa6	RE-EXTRACT	AHD	BNA25-625	Aqueous	1	1	625	12/15 15:40

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	*EvF*	*Eval Mix Failed*
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series missing	*Eto*	Tclp Extraction Performed Outside of Hold	Evrc	Eval Mix missing ddt or endrin
Bnf	*Blank Not Found/Assigned*	Ev	Eval Time Exceeded	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C16	Calibration Column 1 Out (600 Series)	Hh	Analysis Before Collection Date	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	*Ro*	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (600 Series)	*I16 I26*	*Initial cal 600 series failed Column 1 and or 2*	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	*I18 I28*	Initial cal 8000 series failed Column 1 and or 2	S6	600 series surrogate out
C6f	*600 series sample/blank did not have passing cal*	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt.csv for init calibration chek rfs	Sa6 Sb6	*Acid and or BN Surrogate Out (600 series)*
Cma	Endino Cal missino for sample (8000 series)	Iw	Initial cal warning .Ini cal file <> method	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	*Initial Cal Files Not Updated Properly for a samol*	Sd	Surrogate Diluted Out
D1o D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Spike Out Col 1 and or Col 2 600 series	Snc	Surrogate Not Checked
Dnc	*Drift Not Checked*	M16a M16b	Spike Out Col 1 600 series Acid and or BN	Ti5	Outside of 500 series Tune time
Do	Drift Out	M18 M28	Spike Out Col 1 and or Col 2 8000 series	*Ti6*	*Outside of 600 series Tune time/Cal Time*
Eba	An Extraction Before Collection Data	M18a M18b	Spike Out Col 1 8000 series Acid and or BN	Ti8	Outside of 8000 series Tune time/Cal Time
Emp	Problem Checking Prep/rundates modcheckprepruna	*Mnc*	Spike Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration
En	*Eval Time Not Checked*	Oc	Warning Compound(s) Over Calibration	Tmw	If for 600 ser Too many samples begin Calibration

1-1-9M22188

RUN LOG

Instrument: GCMS_9 Year: 2009
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M22188.	CAL DFTPP	Ed1=0.94;Oc	OK,V-75893	AHD		Aqueous	1	1		12/17 09:03
9M22189.	CAL BNA@50PPM		OK,V-78312	AHD		Aqueous	1	1	625 8270	12/17 10:22
9M22190.	CAL BNA@196PPM	Oc	OK,V-78316	AHD		Aqueous	1	1	625 8270	12/17 10:45
9M22191.	CAL BNA@160PPM	Oc	OK,V-78315	AHD		Aqueous	1	1	625 8270	12/17 11:08
9M22192.	CAL BNA@120PPM		OK,V-78314	AHD		Aqueous	1	1	625 8270	12/17 11:31
9M22193.	CAL BNA@80PPM		OK,V-78313	AHD		Aqueous	1	1	625 8270	12/17 11:53
9M22194.	CAL BNA@20PPM		OK,V-78311	AHD		Aqueous	1	1	625 8270	12/17 12:16
9M22195.	CAL BNA@10PPM	IsC16C18	NOT USED	AHD		Aqueous	1	1	625 8270	12/17 12:39
9M22196.	CAL BNA@2PPM		OK,V-78318	AHD		Aqueous	1	1	625 8270	12/17 13:02
9M22197.	CAL BNA@10PPM		OK,V-78310	AHD		Aqueous	1	1	625 8270	12/17 13:27
9M22198.	ICV BNA@50PPM		OK,V-74730	AHD		Aqueous	1	1	625 8270	12/17 13:50
9M22199.	SMB4360		OK	AHD		Soil	1	1	8270	12/17 14:25
9M22200.	WMB4352(MS)		OK WMB4352	AHD		Aqueous	1	1	625 8270	12/17 14:47
9M22201.	WMB4352		OK	AHD		Aqueous	1	1	625 8270	12/17 15:10
9M22202.	AC48852-001(T)	Esm	OK	AHD	BNATCLP-82	Aqueous	1	1	8270	12/17 15:33
9M22203.	SMB4360(MS)		OK SMB4360	AHD		Soil	1	1	8270	12/17 15:56
9M22204.	AC48721-002		OK SMB4360	AHD	BN-8270	Soil	1	1	8270	12/17 16:19
9M22205.	AC48721-002(MS)		OK SMB4360	AHD	BN-8270	Soil	1	1	8270	12/17 16:42
9M22206.	AC48721-002(MSD)		OK SMB4360	AHD	BN-8270	Soil	1	1	8270	12/17 17:05
9M22207.	AC48736-001		OK	AHD	BNA-8270	Soil	1	1	8270	12/17 17:28
9M22208.	AC48729-004		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 17:50
9M22209.	AC48729-010		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 18:13
9M22210.	AC48729-011		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 18:36
9M22211.	AC48729-012		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 18:59
9M22212.	AC48729-013		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 19:22
9M22213.	AC48729-014		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 19:45
9M22214.	AC48729-015		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 20:08
9M22215.	AC48729-016		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 20:31
9M22216.	AC48729-008		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 20:54

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	EvF	Eval Mix Failed
B6m	Blank 600 series missing	Etn	Tclo/Solvent Extraction Date Missing/Not check'd	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series missing	Eto	Tclo Extraction Performed Outside of Hold	Evrc	Eval Mix missing ddt or eodrin
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16,R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	R18,R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	Ro	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (600 Series)	I16,I26	Initial cal 600 series failed Column 1 and or 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18,I28	Initial cal 8000 series failed Column 1 and or 2	S6	600 series surrogate out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt csv for init calibration chek rfs	Sa6,Sb6	Acid and or BN Surrogate Out (600 series)
Cme	Endino Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method.	Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samnl	Sd	Surrogate Diluted Out
D1o,D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16,M26	Spike Out Col 1 and or Col 2 600 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M16a,M16b	Spike Out Col 1 600 series Acid and or BN	Ti5	Outside of 500 series Tune time
Do	Drift Out	M18,M28	Spike Out Col 1 and or Col 2 8000 series	Ti6	Outside of 600 series Tune time/Cal Time
Eba	An Extraction Before Collection Date	M18a,M18b	Spike Out Col 1 8000 series Acid and or BN	Ti8	Outside of 8000 series Tune time/Cal Time
Emo	Problem Checking Preo/rundates modcheckpreorunds	Mnc	Spike Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 600 ser Too many samples begin Calibration

RUN LOG

1-1-5M54615

Instrument: GCMS_5 Year: 2003316
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)		Analysis Date
5M54615.	CAL DFTPP	Ed1=0.89:Oc	OK,V-75893	AHD		Aqueous	1	1			12/27 10:24
5M54616.	CAL BNA@50PPM		OK,V-78312	AHD		Aqueous	1	1	625	8270	12/27 10:46
5M54617.	SMB4370		OK	AHD		Soil	1	1		8270	12/27 11:08
5M54618.	SMB4370(MS)		OK SMB4370	AHD		Soil	1	1		8270	12/27 11:30
5M54619.	AC49014-004		OK SMB4370	AHD	BNA25-8270	Soil	1	1		8270	12/27 11:52
5M54620.	AC49014-004(MS)		OK SMB4370	AHD	BNA25-8270	Soil	1	1		8270	12/27 12:15
5M54621.	AC49014-004(MSD)		OK SMB4370	AHD	BNA25-8270	Soil	1	1		8270	12/27 12:37
5M54622.	AC49043-001		OK	AHD	BNSTAR2-82	Aqueous	1	1		8270	12/27 12:58
5M54623.	AC49043-002		OK	AHD	BNSTAR2-82	Aqueous	1	1		8270	12/27 13:20
5M54624.	AC49007-004	Sa6Sa8Esm	ON HOLD	AHD	ERROR	Aqueous	1	1	625	8270	12/27 13:43
5M54625.	AC48693-010(T)	Eo	OK	AHD	BNPAH-8270	Aqueous	1	1		8270	12/27 14:05
5M54626.	AC48693-011(T)	Eo	OK	AHD	BNPAH-8270	Aqueous	1	1		8270	12/27 14:27
5M54627.	AC48693-012(T)	Eo	OK	AHD	BNPAH-8270	Aqueous	1	1		8270	12/27 14:49
5M54628.	AC48693-013(T)		OK	AHD	BNPSPLP-82	Aqueous	1	1		8270	12/27 15:11
5M54629.	AC48693-014(T)	Eo	OK	AHD	BNPAH-8270	Aqueous	1	1		8270	12/27 15:33
5M54630.	AC48693-015(T)	Eo	OK	AHD	BNPAH-8270	Aqueous	1	1		8270	12/27 15:55
5M54631.	AC48693-016(T)	Sa6Sa8Esm	ON HOLD	AHD	ERROR	Aqueous	1	1	625	8270	12/27 16:17
5M54632.	AC48693-019(T)		OK	AHD	BNPSPLP-82	Aqueous	1	1		8270	12/27 16:39
5M54633.	AC48693-021(T)	Eo	OK	AHD	BNPAH-8270	Aqueous	1	1		8270	12/27 17:01
5M54634.	AC48991-039		ON HOLD,OK	AHD	BN-8270	Aqueous	1	1		8270	12/27 17:23
5M54635.	AC48914-006		OK	AHD	BN-8270	Soil	1	1		8270	12/27 17:46
5M54636.	AC48997-001		OK	AHD	BNA25-8270	Soil	1	1		8270	12/27 18:08
5M54637.	AC48997-002		OK	AHD	BNA25-8270	Soil	1	1		8270	12/27 18:30
5M54638.	AC48997-003		OK	AHD	BNA25-8270	Soil	1	1		8270	12/27 18:52
5M54639.	AC49014-003		OK	AHD	BNA25-8270	Soil	1	1		8270	12/27 19:14
5M54640.	AC49014-005		OK	AHD	BNA25-8270	Soil	1	1		8270	12/27 19:36
5M54641.	AC49045-001		OK	AHD	BNA25-8270	Soil	1	1		8270	12/27 19:58
5M54642.	AC49045-002		OK	AHD	BNA25-8270	Soil	1	1		8270	12/27 20:20
5M54643.	AC49045-003		OK	AHD	BNA25-8270	Soil	1	1		8270	12/27 20:42
5M54644.	AC49045-004		OK	AHD	BNA25-8270	Soil	1	1		8270	12/27 21:04
5M54645.	AC49045-005		OK	AHD	BNA25-8270	Soil	1	1		8270	12/27 21:26
5M54646.	AC48999-001		OK	AHD	BN15-625	Aqueous	1	1	625		12/27 21:48
5M54647.	AC48999-002		OK	AHD	BN15-625	Aqueous	1	1	625		12/27 22:10
5M54648.	AC49001-001		OK	AHD	BN15-625	Aqueous	1	1	625		12/27 22:32
5M54649.	AC49001-002		OK	AHD	BN15-625	Aqueous	1	1	625		12/27 22:54
5M54650.	AC49027-001		OK	AHD	BN15-625	Aqueous	1	1	625		12/27 23:16
5M54651.	AC49027-002		OK	AHD	BN15-625	Aqueous	1	1	625		12/27 23:38
5M54652.	AC49028-001		OK	AHD	BN15-625	Aqueous	1	1	625		12/28 00:00
5M54653.	AC49028-002		OK	AHD	BN15-625	Aqueous	1	1	625		12/28 00:22
5M54654.	SMB (Na2SO4)	Ti8				Soil	1	1		8270	12/28 00:44
5M54655.	SMB (NO Na2SO4)	Ti8				Soil	1	1		8270	12/28 01:06

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	EvF	Eval Mix Failed
B6m	Blank 600 series missing	Eto	Tclo/Solvent Extraction Data Missing/Not check'd	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series missing	Eto	Tclo Extraction Performed Outside of Hold	Evrc	Eval Mix missing ddt or endrin
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	Rn	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	S6	600 series surrogate out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
Cme	Endinn Cal missing for samole (8000 series)	Iw	Initial cal warning .Ini cal file <> method	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sd	Surrogate Diluted Out
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Ti5	Outside of 500 series Tune time
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Ti6	Outside of 600 series Tune time/Cal Time
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti8	Outside of 8000 series Tune time/Cal Time
Emp	Problem Checking Prep/rundates modcheckprerunda	Mnc	Spike Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 600 ser Too many samples begin Calibration

1-1-9M22391

RUN LOG

Instrument: GCMS_9 Year: 2009
Analyst: AHD

0317

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M22391.	CAL DFTPP	Ed1=1,9:Oc	OK,V-75893	AHD		Aqueous	1	1		12/27 10:27
9M22392.	CAL BNA@50PPM		OK,V-78312	AHD		Aqueous	1	1	625 8270	12/27 10:53
9M22393.	SMB4370		OK	AHD		Soil	1	1	8270	12/27 11:17
9M22394.	AC48938-012	Oc	RR 10X	AHD	BN15-8270	Soil	1	1	8270	12/27 11:40
9M22395.	AC49014-002		OK	AHD	BNA25-8270	Soil	1	1	8270	12/27 12:02
9M22396.	AC48997-005		OK	AHD	BNA25-8270	Soil	1	1	8270	12/27 12:25
9M22397.	AC48997-007		OK	AHD	BNA25-8270	Soil	1	1	8270	12/27 12:48
9M22398.	AC48957-001		OK	AHD	BNA25-8270	Soil	1	1	8270	12/27 13:11
9M22399.	AC48974-002		OK	AHD	BNA25-8270	Soil	1	1	8270	12/27 13:34
9M22400.	AC48878-002	Oc	RR 3X	AHD	BN-8270	Soil	1	1	8270	12/27 13:57
9M22401.	AC48869-001		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/27 14:20
9M22402.	AC48981-001		OK	AHD	BNA25-8270	Soil	1	1	8270	12/27 14:43
9M22403.	AC48981-002		OK	AHD	BNA25-8270	Soil	1	1	8270	12/27 15:06
9M22404.	AC48951-001	Oc	RR 3X	AHD	BN-8270	Soil	1	1	8270	12/27 15:29
9M22405.	AC49029-001		OK	AHD	BNA25-8270	Soil	1	1	8270	12/27 15:52
9M22406.	AC49014-007		OK	AHD	BNA25-8270	Soil	1	1	8270	12/27 16:15
9M22407.	AC49056-002	Oc	RR 10X	AHD	BNSTAR2-82	Soil	1	1	8270	12/27 16:38
9M22408.	AC48923-015		OK	AHD	BNA25-8270	Soil	1	1	8270	12/27 17:01
9M22409.	AC48891-001		OK	AHD	BN-8270	Soil	1	1	8270	12/27 17:24
9M22410.	AC48938-012(10X)		OK	AHD	BN15-8270	Soil	10	10	8270	12/27 17:47
9M22411.	AC48938-013(10X)		OK	AHD	BN15-8270	Soil	10	10	8270	12/27 18:10
9M22412.	AC48855-001(3X)		OK	AHD	BNPAH-8270	Soil	3	3	8270	12/27 18:33
9M22413.	AC48974-001(3X)		OK	AHD	BNA25-8270	Soil	3	3	8270	12/27 18:56
9M22414.	AC48983-004(2X)		OK	AHD	BNPAH-8270	Soil	2	2	8270	12/27 19:19
9M22415.	AC49008-002(5X)	Sd	RE-EXTRACT & RR 2X OR 3X	AHD	BNA-8270	Soil	5	5	8270	12/27 19:42
9M22416.	AC49014-001(5X)		OK	AHD	BNA25-8270	Soil	5	5	8270	12/27 20:05
9M22417.	AC49014-006(5X)		RR 2X	AHD	BNA25-8270	Soil	5	5	8270	12/27 20:28
9M22418.	AC48974-003(5X)		OK	AHD	BNA25-8270	Soil	5	5	8270	12/27 20:51
9M22419.	AC48997-006(20X)		OK	AHD	BNA25-8270	Soil	20	20	8270	12/27 21:13
9M22420.	AC48878-002(3X)		OK	AHD	BN-8270	Soil	3	3	8270	12/27 21:36
9M22421.	TEST					Soil	1	1	8270	12/27 21:59
9M22422.	TEST					Soil	1	1	8270	12/27 22:22
9M22423.	TEST	Ti8				Soil	1	1	8270	12/27 22:45
9M22424.	TEST	Ti8				Soil	1	1	8270	12/27 23:08
9M22425.	TEST	Ti8				Soil	1	1	8270	12/27 23:31
9M22426.	TEST	Ti8				Soil	1	1	8270	12/27 23:54
9M22427.	TEST	Ti8				Soil	1	1	8270	12/28 00:17
9M22428.	TEST	Ti8				Soil	1	1	8270	12/28 00:40

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	EvF	Eval Mix Failed
B6m	Blank 600 series missing	Etn	Tclo/Solvent Extraction Date Missing/Not check'd	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series missing	Eto	Tclo Extraction Performed Outside of Hold	Evrc	Eval Mix missing ddt or endrin
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16,R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	R18,R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	Ro	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (600 Series)	I16,I26	Initial cal 600 series failed Column 1 and or 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18,I28	Initial cal 8000 series failed Column 1 and or 2	S6	600 series surrogate out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	Sa6,Sb6	Acid and or BN Surrogate Out (600 series)
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ical file <> method.	Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sd	Surrogate Diluted Out
D1o,D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16,M26	Spike Out Col 1 and or Col 2 600 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M16a,M16b	Spike Out Col 1 600 series Acid and or BN	Ti5	Outside of 500 series Tune time
Do	Drift Out	M18,M28	Spike Out Col 1 and or Col 2 8000 series	Ti6	Outside of 600 series Tune time/Cal Time
Eba	An Extraction Before Collection Date	M18a,M18b	Spike Out Col 1 8000 series Acid and or BN	Ti8	Outside of 8000 series Tune time/Cal Time
Emo	Problem Checking Prep/rundates modcheckprepruncds	Mnc	Spike Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 600 ser Too many samples begin Calibration

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-76014

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: akmal
Description: BNA SOIL SPIKE MIX	BatchNumber:	ApproveDate: 11/02/09
Prep Date: 10/30/2009	Concentration: Various	Checked: Yes
Expiration Date: 10/30/2010	Final Volume: 200 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4257	Acetone	200 ml	neat neat	
3294	Pentachlorophenol	.4 g	neat	2000 ppm
3732	4-Nitrophenol	.4 g	neat neat	2000 ppm
3733	Phenol	.4 g	neat neat	2000 ppm
2814	4-CHLORO-3-METHYLPHENOL	.4 g	NEAT neat	2000 ppm
3742	2-CHLOROPHENOL	.4 g	NEAT neat	2000 ppm
2845	2-Methylphenol	.4 g	neat neat	2000 ppm
3295	2,4-Dimethylphenol	.4 g	neat neat	2000 ppm
2338	1,2,4-Trichlorobenzene	.2 g	neat neat	1000 ppm
4499	1,4-DICHLOROBENZENE	.2 g	neat neat	1000 ppm
1886	CARBAZOLE	.2 g	NEAT	1000 ppm
1885	BUTYL BENZYL PHTHALATE	.2 g	NEAT	1000 ppm
2849	Fluorene	.2 g	neat neat	1000 ppm
2850	Naphthalene	.2 g	neat neat	1000 ppm
2851	N-Nitroso-n-propylamine	.2 g	neat neat	1000 ppm
2852	2,4-Dinitrotoluene	.2 g	neat neat	1000 ppm
2853	Pyrene	.2 g	neat neat	1000 ppm
3736	Acenaphthene	.2 g	neat neat	1000 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-58452

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1
Prep Date: 1/7/2009
Expiration Date: 1/7/2010
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 09/01/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2184	ATRAZINE	.1 g	NEAT	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
1809	DIPHENYL ETHER	.1 g	NEAT	10000 ppm
1431	E-Caprolactam	.1 g	Neat neat	10000 ppm
1430	Benzaldehyde	.1 g	Neat neat	10000 ppm
3790	methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-58453

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1(2nd Source)
Prep Date: 1/7/2009
Expiration Date: 1/7/2010
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2184	ATRAZINE	.1 g	NEAT	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
1809	DIPHENYL ETHER	.1 g	NEAT	10000 ppm
1431	E-Caprolactam	.1 g	Neat neat	10000 ppm
1430	Benzaldehyde	.1 g	Neat neat	10000 ppm
3792	Acetone	10 ml	neat neat	

Veritech Lot Number: V-59624

Prepared By: Hamid, Akmal
Description: BNA Surrog.Std.
Prep Date: 1/26/2009
Expiration Date: 1/25/2010
Department: Organics
BatchNumber:
Concentration: 1000-2000 pp
Final Volume: 1000 ml
ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1690	2-Fluorobiphenyl	1 g	Neat neat	1000 ppm
2930	p-Terphenyl-d14	1 g	neat neat	1000 ppm
2586	Phenol-d5	2 g	neat neat	2000 ppm
2874	2-FLUOROPHENOL	1.6 ml	NEAT neat	2000 ppm
2585	2,4,6-Tribromophenol	2 g	Neat neat	2000 ppm
2584	Nitrobenzene-d5	800 ul	Neat neat	1000 ppm
3792	Acetone	1000 ml	neat neat	

Veritech Lot Number: V-62910

Prepared By: Hamid, Akmal
Description: DFTPP STOCK STD.
Prep Date: 3/24/2009
Expiration Date: 3/24/2010
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 5 ml
ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3993	Methylene Chloride	5 ml	neat neat	
3203	DFTPP	.01 g	neat	2000 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-62912

Prepared By: Hamid, Akmal
Description: BNA-5 MIX
Prep Date: 3/24/2009
Expiration Date: 3/24/2010
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
2395	n-Decane	.05 g	NEAT	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
3993	Methylene Chloride	10 ml	neat neat	

Veritech Lot Number: V-63020

Prepared By: Hamid, Akmal
Description: Pyridine Stock Std.
Prep Date: 3/26/2009
Expiration Date: 3/26/2010
Department: Organics
BatchNumber:
Concentration: 10,000 ppm
Final Volume: 1 ml
ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3803	PYRIDINE	10 ul	NEAT neat	10000 ppm
3993	Methylene Chloride	990 ul	neat neat	

Veritech Lot Number: V-63101

Prepared By: Hamid, Akmal
Description: BNA-6 MIX
Prep Date: 3/27/2009
Expiration Date: 3/27/2010
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
2395	n-Decane	.05 g	NEAT	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4004	2,3,4,6-Tetrachlorophenol	.05 g	Neat neat	5000 ppm
3993	Methylene Chloride	10 ml	neat neat	

Veritech Lot Number: V-67466

Prepared By: Hamid, Akmal
Description: BNA Internal Std.
Prep Date: 6/11/2009
Expiration Date: 6/11/2010
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 500 ml
ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4176	Naphthalene-D8	1 g	neat neat	2000 ppm
4173	Phenanthrene-D10	1 g	neat neat	2000 ppm
2613	Chrysene	1 g	neat neat	2000 ppm
4174	Perylene-D12	1 g	neat neat	2000 ppm
2615	1,4-Dichlorobenzene-d4	1 g	neat neat	2000 ppm
4172	Acenaphthene-D10	1 g	neat neat	2000 ppm
4157	METHYLENE CHLORIDE	500 ml	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-73986

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: jean
Description: BNA-Pest Mix | BatchNumber: | ApproveDate: 10/02/09
Prep Date: 9/28/2009 | Concentration: 1000 ppm | Checked: Yes
Expiration Date: 9/27/2010 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3639	4.4'-DDT	.01 g	NEAT	1000 ppm
3640	4.4'-DDD	.01 g	NEAT	1000 ppm
3641	4.4'-DDE	.01 g	NEAT	1000 ppm
3642	ENDRIN	.01 g	NEAT	1000 ppm
4390	Endrin Aldehyde	.01 g	neat neat	1000 ppm
4391	Endrin Ketone	.01 g	neat neat	1000 ppm
4396	METHYLENE CHLORIDE	10 ml	neat	

Veritech Lot Number: V-74729

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: jean
Description: BNA STOCK Std.B | BatchNumber: | ApproveDate: 10/14/09
Prep Date: 10/8/2009 | Concentration: 250 ppm | Checked: Yes
Expiration Date: 1/25/2010 | Final Volume: 1.2 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3173	Tcl PAH Mix	150 ul	2000 ppm	250 ppm
3879	TCL Phenol/Benzidines Mix	150 ul	2000 ppm	250 ppm
3880	TCL Hazardous Substances Mix	150 ul	2000 ppm	250 ppm
3881	TCL Base Neutral Mix	150 ul	2000 ppm	250 ppm
V-59624	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-63020	Pyridine Stock Std.	30 ul	10,000 ppm	250 ppm
V-63101	BNA-6 MIX	60 ul	5000 ppm	250 ppm
4325	methylene chloride	360 ul	neat neat	

Veritech Lot Number: V-74730

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: jean
Description: BNA ICV CAL@50PPM | BatchNumber: | ApproveDate: 10/14/09
Prep Date: 10/8/2009 | Concentration: 50 ppm | Checked: Yes
Expiration Date: 1/7/2010 | Final Volume: 0.2 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4325	methylene chloride	155 ul	neat neat	
V-74729	BNA STOCK Std.B	40 ul	250 ppm	50 ppm
V-58453	8270 EXTRA MIX#1(2nd Source)	1 ul	10000 ppm	50 ppm
V-67466	BNA Internal Std.	4 ul	2000 ppm	40 ppm

Veritech Lot Number: V-75893

Prepared By: Bis, Yolanta | Department: Organics | ApprovedBy: jean
Description: DFTPP Mix | BatchNumber: | ApproveDate: 10/28/09
Prep Date: 10/27/2009 | Concentration: 50 ppm | Checked: Yes
Expiration Date: 3/24/2010 | Final Volume: 4 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-62910	DFTPP STOCK STD.	100 ul	2000 ppm	50 ppm
4427	DDT/ENDRIN MIX	800 ul	500 ppm	100 ppm
3879	TCL Phenol/Benzidines Mix	200 ul	2000 ppm	100 ppm
4434	METHYLENE CHLORIDE	2900 ul	neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-76550

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: FRANK
Description: BNA STOCK Std.A | BatchNumber: | ApproveDate: 11/12/09
Prep Date: 11/12/2009 | Concentration: 250 ppm | Checked: Yes
Expiration Date: 1/25/2010 | Final Volume: 1.2 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4454	8270 MegaMix	300 ul	1000 ppm	250 ppm
V-73986	BNA-Pest Mix	300 ul	1000 ppm	250 ppm
4455	Benzoic Acid	150 ul	2000 ppm	250 ppm
4456	Benzidine Cal Mix	150 ul	2000 ppm	250 ppm
V-59624	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
v-62912	BNA-5 MIX	60 ul	5000 ppm	250 ppm
4490	Methylene Chloride	90 ul	neat	

Veritech Lot Number: V-78309

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: akmal
Description: BNA STOCK Std. | BatchNumber: | ApproveDate: 12/17/09
Prep Date: 11/12/2009 | Concentration: 200 ppm | Checked: Yes
Expiration Date: 1/7/2010 | Final Volume: 500 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-58452	8270 EXTRA MIX#1	10 ul	10000 ppm	200 ppm
4563	Methylene Chloride	90 ul	neat neat	
V-76550	BNA STOCK Std.A	400 ul	250 ppm	200 ppm

Veritech Lot Number: V-78310

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: akmal
Description: BNA 10 ppm curve | BatchNumber: B-6925 | ApproveDate: 12/17/09
Prep Date: 12/14/2009 | Concentration: 10 ppm | Checked: Yes
Expiration Date: 1/7/2010 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78309	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4563	Methylene Chloride	93 ul	neat neat	

Veritech Lot Number: V-78311

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: akmal
Description: BNA 20 ppm curve | BatchNumber: B-6925 | ApproveDate: 12/17/09
Prep Date: 12/14/2009 | Concentration: 20 ppm | Checked: Yes
Expiration Date: 1/7/2010 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78309	BNA STOCK Std.	10 ul	200 ppm	20 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4563	Methylene Chloride	88 ul	neat neat	

Veritech Lot Number: V-78312

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: akmal
Description: BNA 50 ppm curve | BatchNumber: B-6925 | ApproveDate: 12/17/09
Prep Date: 12/14/2009 | Concentration: 50 ppm | Checked: Yes
Expiration Date: 1/7/2010 | Final Volume: 600 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-67466	BNA Internal Std.	12 ul	2000 ppm	40 ppm
4563	Methylene Chloride	438 ul	neat neat	
V-78309	BNA STOCK Std.	150 ul	200 ppm	50 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-78313

Prepared By: Hamid, Akmal
Description: BNA 80 ppm curve
Prep Date: 12/14/2009
Expiration Date: 1/7/2010
Department: Organics
BatchNumber: B-6925
Concentration: 80 ppm
Final Volume: 100 ul
ApprovedBy: akmal
ApproveDate: 12/17/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78309	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4563	Methylene Chloride	58 ul	neat neat	

Veritech Lot Number: V-78314

Prepared By: Hamid, Akmal
Description: BNA 120 ppm curve
Prep Date: 12/14/2009
Expiration Date: 1/7/2010
Department: Organics
BatchNumber: B-6925
Concentration: 120 ppm
Final Volume: 100 ul
ApprovedBy: akmal
ApproveDate: 12/17/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78309	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4563	Methylene Chloride	38 ul	neat neat	

Veritech Lot Number: V-78315

Prepared By: Hamid, Akmal
Description: BNA 160 ppm curve
Prep Date: 12/14/2009
Expiration Date: 1/7/2010
Department: Organics
BatchNumber: B-6925
Concentration: 160 ppm
Final Volume: 100 ul
ApprovedBy: akmal
ApproveDate: 12/17/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78309	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4563	Methylene Chloride	18 ul	neat neat	

Veritech Lot Number: V-78316

Prepared By: Hamid, Akmal
Description: BNA 196 ppm curve
Prep Date: 12/14/2009
Expiration Date: 1/7/2010
Department: Organics
BatchNumber: B-6925
Concentration: 196 ppm
Final Volume: 100 ul
ApprovedBy: akmal
ApproveDate: 12/17/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78309	BNA STOCK Std.	98 ul	200 ppm	196 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4563	Methylene Chloride	0	neat neat	

Veritech Lot Number: V-78317

Prepared By: Hamid, Akmal
Description: BNA 50 ppm curve
Prep Date: 12/14/2009
Expiration Date: 1/7/2010
Department: Organics
BatchNumber: B-6925
Concentration: 50 ppm
Final Volume: 100 ul
ApprovedBy: akmal
ApproveDate: 12/17/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78309	BNA STOCK Std.	25 ul	200 ppm	50 ppm
4563	Methylene Chloride	75 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-78318

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: akmal
Description: BNA 2 ppm curve	BatchNumber: B-6925	ApproveDate: 12/17/09
Prep Date: 12/14/2009	Concentration: 2 ppm	Checked: Yes
Expiration Date: 1/7/2010	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78317	BNA 50 ppm curve	4 ul	50 ppm	2 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4563	Methylene Chloride	94 ul	neat neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1430

Description
Benzaldehyde

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	B1334-2G	08505LB	02/20/04	02/20/11	Hamid, Akmal	1	2G	Neat	Neat

Veritech Control/Receipt Number: 1431

Description
E-Caprolactam

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	C2204-5G	05824JI	02/20/04	02/20/11	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 1690

Description
2-Fluorobiphenyl

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	102741-2.5	18309PD	05/02/06	05/07/10	Hamid, Akmal	2	2.5g	Neat	Neat

Veritech Control/Receipt Number: 1809

Description
DIPHENYL ETHER

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	240834-5G	09303PC	06/23/06	06/23/20	Revolus, Jean	1	5G	NEAT	

Veritech Control/Receipt Number: 1810

Description
1,2,4,5-TETRACHLOROBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	131857-5G	06024AI	06/27/06	06/27/20	Revolus, Jean	1	5G	NEAT	

Veritech Control/Receipt Number: 2176

Description
PENTACHLOROETHANE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F937	376-75A	01/22/07	01/31/12	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2184

Description
ATRAZINE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2208	348-144A	01/29/07	10/31/11	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2185

Description
BIPHENYL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F1062	348-144A	01/29/07	10/31/11	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2394

Description
n-Octadecane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2188	381-22A	05/03/07	04/30/13	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 2395

Description
n-Decane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2182	372-50A	05/03/07	11/30/11	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 2584

Description
Nitrobenzene-d5

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	151955	ST1692	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 2585

Description
2,4,6-Tribromophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	137715	14726KD	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 2586

Description
Phenol-d5

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Isotec	425370	EW0108	06/24/07	04/03/12	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2613

Description
Chrysene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-261-001	PR-17865/01227CH	07/10/07	04/16/12	Hamid, Akmal	3	3g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2615

Description
1,4-Dichlorobenzene-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-268	PR-12866/06201DB1	07/10/07	04/16/12	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2874

Description
2-FLUOROPHENOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	F12804-10G	01816PE	11/15/07	11/15/20	Hamid, Akmal	1	10G	NEAT	NEAT

Veritech Control/Receipt Number: 2930

Description
p-Terphenyl-d14

ApprovedBy: jean
ApproveDate: 12/02/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Isotec	364630-500MG	EW1627	12/06/07	12/05/12	Hamid, Akmal	5	500m	neat	neat

Veritech Control/Receipt Number: 3173

Description
Tcl PAH Mix

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	48905-U	LB49970	03/24/08	08/31/10	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 3203

Description
DFTPP

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	442543	LB52744	04/01/08	10/31/10	Hamid, Akmal	1	100m	neat	

Veritech Control/Receipt Number: 3639

Description
4.4'-DDT

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F92	402-104B	09/26/08	06/30/11	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 3640

Description
4.4'-DDD

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F94	407-7A	09/26/08	07/31/11	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3641

Description
4.4'-DDE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F93	407-64A	09/26/08	08/31/14	Revolus, Jean	1	100m	NEAT	

Veritech Control/Receipt Number: 3642

Description
ENDRIN

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F98	402-16A	09/26/08	04/30/12	Revolus, Jean	1	250m	NEAT	

Veritech Control/Receipt Number: 3790

Description
methylene chloride

ApprovedBy: jean
ApproveDate: 09/01/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	926403	G454003	12/23/08	12/22/10	Okomeng, Maxwel	120	4LT	neat	neat

Veritech Control/Receipt Number: 3792

Description
Acetone

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	925403	G44E07	12/23/08	12/22/10	Okomeng, Maxwel	4	4LT	neat	neat

Veritech Control/Receipt Number: 3798

Description
ACETOPHENONE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-821	383-95A	01/02/09	06/30/12	Hamid, Akmal	1	10G	NEAT	NEAT

Veritech Control/Receipt Number: 3803

Description
PYRIDINE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P368-500	085002	01/06/09	01/05/12	Miller,Gael E.	1	500M	NEAT	NEAT

Veritech Control/Receipt Number: 3818

Description
1,4-Dimethylnaphthalene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1020	3999-95B	01/07/09	05/31/12	Hamid, Akmal	5	0.1g	96.5%	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3879

Description
TCL Phenol/Benzidines Mix

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47992-U	LB59885	01/27/09	07/31/11	Hamid, Akmal	3	1ml	2000	ppm

Veritech Control/Receipt Number: 3880

Description
TCL Hazardous Substances Mix

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47990-U	LB64301	01/27/09	01/31/12	Hamid, Akmal	3	1ml	2000	ppm

Veritech Control/Receipt Number: 3881

Description
TCL Base Neutral Mix

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47991-u	LB48148	01/27/09	05/31/10	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 3993

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	G51403	03/24/09	03/23/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 4004

Description
2,3,4,6-Tetrachlorophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1086	395-102B	03/26/09	01/31/12	Hamid, Akmal	5	250m	Neat	Neat

Veritech Control/Receipt Number: 4157

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T BAKER	926403	G51403	06/02/09	06/01/11	Okomeng, Maxwel	120	4LT	NEAT	NEAT

Veritech Control/Receipt Number: 4172

Description
Acenaphthene-D10

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-108	PR-19991	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4173

Description
Phenanthrene-D10

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-371	PR19222	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4174

Description
Perylene-D12

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-366	PR16756	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4176

Description
Naphthalene-D8

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-365	PR-17975/12076NP2	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4325

Description
methylene chloride

ApprovedBy: richq
ApproveDate: 08/10/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T baker	926403	H22S00	08/10/09	08/09/11	Okomeng, Maxwel	8	4LT	neat	neat

Veritech Control/Receipt Number: 4390

Description
Endrin Aldehyde

ApprovedBy: jean
ApproveDate: 09/14/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F99	426-80A	09/11/09	09/30/12	Hamid, Akmal	2	10mg	neat	neat

Veritech Control/Receipt Number: 4391

Description
Endrin Ketone

ApprovedBy: jean
ApproveDate: 09/14/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F2022	419-26B	09/11/09	01/31/13	Hamid, Akmal	2	10mg	neat	neat

Veritech Control/Receipt Number: 4396

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 09/15/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.BAKER	926403	H30S12	09/15/09	10/30/10	Okomeng, Maxwel	72	4LT	neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4427

Description
DDT/ENDRIN MIX

ApprovedBy: jean
ApproveDate: 10/06/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	4-8282	LB52469	09/29/09	10/31/10	Hamid, Akmal	3	1ML	500	PPM

Veritech Control/Receipt Number: 4434

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 10/01/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.BAKER	926403	H30S12	09/29/09	10/30/10	Okomeng, Maxwel	120	4LT	neat	

Veritech Control/Receipt Number: 4454

Description
8270 MegaMix

ApprovedBy: jean
ApproveDate: 10/14/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31850	A070659	10/13/09	04/30/11	Hamid, Akmal	1	1ml	1000	ppm

Veritech Control/Receipt Number: 4455

Description
Benzoic Acid

ApprovedBy: jean
ApproveDate: 10/14/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31879	A067682	10/13/09	05/31/13	Hamid, Akmal	2	1ml	2000	ppm

Veritech Control/Receipt Number: 4456

Description
Benzidine Cal Mix

ApprovedBy: jean
ApproveDate: 10/14/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31030	A066003	10/13/09	03/31/17	Hamid, Akmal	2	1ml	2000	ppm

Veritech Control/Receipt Number: 4490

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 11/18/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	926403	H30S12	10/27/09	11/30/10	Okomeng, Maxwel	120	4LT	neat	

Veritech Control/Receipt Number: 4563

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 12/10/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T. Baker	9264-03	H45S00	12/10/09	02/28/11	Quimby, Richard	120	4L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1885

Description
BUTYL BENZYL PHTHALATE

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	PT-10	361-91B	08/09/06	04/30/11	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 1886

Description
CARBAZOLE

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2001	364-113C	08/09/06	07/31/11	Revolus, Jean	1	2G	NEAT	

Veritech Control/Receipt Number: 2338

Description
1,2,4-Trichlorobenzene

ApprovedBy: FRANK
ApproveDate: 11/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F8	366-78A	04/03/07	11/30/11	Hamid, Akmal	3	3g	neat	neat

Veritech Control/Receipt Number: 2814

Description
4-CHLORO-3-METHYLPHENOL

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F22	392-28A	10/16/07	10/31/10	Hamid, Akmal	1	5G	NEAT	NEAT

Veritech Control/Receipt Number: 2845

Description
2-Methylphenol

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
chem service	F711	383-91A	10/31/07	06/30/11	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2849

Description
Fluorene

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
chem service	F80	368-40B	10/31/07	08/31/11	Hamid, Akmal	2	2g	neat	neat

Veritech Control/Receipt Number: 2850

Description
Naphthalene

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
chem service	F55	381--115A	10/31/07	06/30/12	Hamid, Akmal	1	5g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2851

Description
N-Nitroso-n-propylamine

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
chem service	F63	377-108B	10/31/07	06/03/11	Hamid, Akmal	2	2g	neat	neat

Veritech Control/Receipt Number: 2852

Description
2,4-Dinitrotoluene

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
chem service	F35	371-123A	10/31/07	11/30/11	Hamid, Akmal	2	2g	neat	neat

Veritech Control/Receipt Number: 2853

Description
Pyrene

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
chem service	F84	390-36B	10/31/07	09/12/12	Hamid, Akmal	2	2g	neat	neat

Veritech Control/Receipt Number: 3294

Description
Pentachlorophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F64	401-96B	04/24/08	04/30/13	Hamid, Akmal	2	1g	neat	

Veritech Control/Receipt Number: 3295

Description
2,4-Dimethylphenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F34	396-115A	04/24/08	03/31/13	Hamid, Akmal	2	1gm	neat	neat

Veritech Control/Receipt Number: 3732

Description
4-Nitrophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	F58	409-36B	11/12/08	08/31/11	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 3733

Description
Phenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	F65	404-20B	11/12/08	05/31/14	Hamid, Akmal	1	5g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3736

Description
Acenaphthene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	O-782	380-77B	11/12/08	03/31/13	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 3742

Description
2-CHLOROPHENOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	F24	414-90A	11/13/08	11/30/12	Hamid, Akmal	1	5g	NEAT	NEAT

Veritech Control/Receipt Number: 4257

Description
Acetone

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	925403	H02E60	07/21/09	07/20/11	Lopez, Jose	4	4L	neat	neat

Veritech Control/Receipt Number: 4499

Description
1,4-DICHLOROBENZENE

ApprovedBy: akmal
ApproveDate: 10/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F27	414-85B	10/30/09	11/30/13	Hamid, Akmal	1	5g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4347

Description
Acetone

ApprovedBy: richq
ApproveDate: 08/19/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	925403	H10E11	08/18/09	06/30/10	Okomeng, Maxwel	32	4LT	neat	neat

Veritech Control/Receipt Number: 4497

Description
Sodium Sulfate

ApprovedBy: jean
ApproveDate: 10/27/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Seidler	SC--3375--1C	933101	10/27/09	10/26/11	Okomeng, Maxwel	4	100L	neat	

Veritech Control/Receipt Number: 4563

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 12/10/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T. Baker	9264-03	H45S00	12/10/09	02/28/11	Quimby, Richard	120	4L	neat	neat

Wet Chemistry Data

VERITECH Wet Chem Form1 Analysis Summary
% Solids

TestGroupName: % Solids SM2540G **Project #: 9122115**

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC49029-001	PI-01-TP-RANZ 1	Soil	**1**	**56**	**Percent**			12/22/09	12/21/09	12/18/09

Analysis Type: SOLIDS-S

Batch Number: SOLIDS-S-3371 **Units:** Percent

Calibration Curve Information

Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
DUP	AC49016-001	NA	NA	5	85.57131	NA	0.44	

Sam #	Type	MB	Result	Mdl	Per Sol	Raw Result	Tare Wt	Tare Wet	Tare Dry	Prep Date	Prep By	Anal Date	Anal By
AC49016-001	DUP		86			85.571	1.05	13.04	11.31			12/22/09	intern
AC49016-001	Sample		86			85.946	1.04	13.35	11.62			12/22/09	intern
AC49016-002	Sample		85			85.425	1.05	13.4	11.6			12/22/09	intern
AC49016-003	Sample		81			80.984	1.03	13.02	10.74			12/22/09	intern
AC49016-004	Sample		85			84.899	1.04	11.9	10.26			12/22/09	intern
AC49021-001	Sample		85			84.526	1.04	13.06	11.2			12/22/09	intern
AC49023-001	Sample		90			89.794	1.05	13.69	12.4			12/22/09	intern
AC49023-002	Sample		90			89.638	1.04	13.2	11.94			12/22/09	intern
AC49023-003	Sample		87			86.689	1.05	13.22	11.6			12/22/09	intern
AC49023-004	Sample		83			82.727	1.05	13.15	11.06			12/22/09	intern
AC49023-005	Sample		88			87.572	1.04	13.27	11.75			12/22/09	intern
AC49023-006	Sample		88			87.611	1.04	13.47	11.93			12/22/09	intern
AC49023-007	Sample		87			87.416	1.04	12.96	11.46			12/22/09	intern
AC49023-008	Sample		85			84.696	1.04	13.52	11.61			12/22/09	intern
AC49023-009	Sample		90			89.61	1.04	13.36	12.08			12/22/09	intern
AC49023-010	Sample		86			85.908	1.04	13.6	11.83			12/22/09	intern
AC49023-011	Sample		92			92.11	1.04	13.08	12.13			12/22/09	intern
AC49023-012	Sample		92			91.806	1.04	13.61	12.58			12/22/09	intern
AC49023-013	Sample		86			85.678	1.04	12.98	11.27			12/22/09	intern
AC49024-001	Sample		78			78.425	1.04	13.74	11			12/22/09	intern
AC49029-001	Sample		56			55.916	1.03	13.37	7.93			12/22/09	intern

12-29-09

Flag Codes: Ra - Recovery failed specified criteria (PVS/MBS/MS/MSD/ICV/CAL) Rp - RPD failed specified criteria.
Na - Not Applicable Nc - Not Checked ..either one or both values =ND